



HANDBOUND  
AT THE



UNIVERSITY OF  
TORONTO PRESS











Gov. Doc.  
Ont  
L

9115

Ontario Legislative Assembly

# SESSIONAL PAPERS

Volume XXXVII. Part I.

## First Session of Eleventh Legislature

OF THE

### PROVINCE OF ONTARIO

67685  
13/1/06

SESSION 1905

TORONTO:

PRINTED AND PUBLISHED BY L. K. CAMERON

PRINTER TO THE KING'S MOST EXCELLENT MAJESTY

1905



WARWICK BRO'S & RUTTER, LIMITED, PRINTERS,  
TORONTO.



# LIST OF SESSIONAL PAPERS.

PRESENTED TO THE HOUSE DURING SESSION.

ARRANGED ALPHABETICALLY.

TITLE.	No.	REMARKS.
Accounts, Public.....	1	<i>Printed.</i>
Agricultural College, Report.....	14	"
Agricultural and Experimental Union, Report.....	15	"
Archives, Report.....	49	"
Asylums, Report.....	38	"
Bee-Keepers' Association, Report.....	20	<i>Printed.</i>
Births, Marriages and Deaths, Report.....	9	"
Blind Institute, Report.....	41	"
Boundaries extension, correspondence.....	50	<i>Not printed.</i>
Bush, George, correspondence.....	53	"
Children, Neglected, Report.....	43	<i>Printed.</i>
Cohoe, correspondence <i>re</i> appointment.....	55	<i>Not printed.</i>
Crown Lands, Report.....	3	<i>Printed.</i>
Dairymen's Association, Report.....	22	<i>Printed.</i>
Deaf and Dumb Institute, Report.....	42	"
Division Courts, Report.....	33	"
Education, Report.....	12	<i>Printed.</i>
Education Department, Orders-in-Council.....	57	<i>Printed for Distribution only.</i>
Elections, Return from Records of General.....	46	<i>Printed.</i>
Entomological Society, Report.....	19	"
Estimates, 1905.....	2	"
Factories, Report.....	8	<i>Printed.</i>
Fairs and Exhibitions, Report.....	26	"
Farmers' Institutes, Report.....	25	"
Fisheries, Report.....	31	"
Forestry, Report.....	4	"
Fruit Experiment Stations, Report.....	17	"
Fruit Growers' Association, Report.....	16	"
Fumigation Appliances, Report.....	18	"
Game Commission, Report.....	30	<i>Printed.</i>
Goals, Prisons, Report.....	39	"
Good Roads, Report.....	27	"
Health, Report.....	36	<i>Printed.</i>
Highways, Report.....	27	"
Hospitals and Charities, Report.....	40	"

TITLE.	No.	REMARKS.
Indian Claims, North West Angle Treaty No. 3. . . . .	61	<i>Printed.</i>
Industries, Report . . . . .	28	"
Insurance, Report . . . . .	10	"
James Bay Railway route, correspondence . . . . .	58	<i>Not printed.</i>
Judicature Act, Orders-in-Council . . . . .	51	"
Labour, Report . . . . .	29	<i>Printed.</i>
Legal Offices, Report . . . . .	34	"
Librarian, Report . . . . .	47	<i>Not printed.</i>
Liquor Licenses, Report of inspection . . . . .	44	<i>Printed.</i>
Liquor Licenses Act, enforcement in N. Hastings . . . . .	52	<i>Not printed.</i>
Liquor License Commissioners, appointment of, in E. Lambton . . . . .	60	"
Live Stock Associations, Report . . . . .	23	<i>Printed.</i>
Live Stock Registrar, Report . . . . .	24	"
Loan Corporations, Report . . . . .	11	"
Lunatic Asylums, Report . . . . .	38	"
Mines, Report . . . . .	5	<i>Printed.</i>
Mining Divisions, revised Regulations . . . . .	56	<i>Printed.</i>
North West Angle Treaty No. 3, Indian Claims . . . . .	61	<i>Printed for Distribution only.</i>
Prisons and Reformatories, Report . . . . .	39	<i>Printed.</i>
Provincial Municipal Auditor, Report . . . . .	45	"
Public Accounts, 1904 . . . . .	1	"
Public Works, Report . . . . .	7	"
Queen Victoria Niagara Falls Park, Report . . . . .	6	<i>Printed.</i>
Railway Legislation in U. States, Report . . . . .	54	<i>Printed.</i>
Registrar-General, Report . . . . .	9	"
Registry Offices, Report . . . . .	35	"
River aux Raisin, drainage, correspondence . . . . .	62	<i>Not printed.</i>
Road Making, Report . . . . .	27	<i>Printed.</i>
School Practical Science, calendar . . . . .	21	<i>Printed for Distribution only.</i>
Secretary and Registrar, Report . . . . .	37	<i>Printed.</i>
Statute Distribution, Statement of . . . . .	59	<i>Not printed.</i>
Temiskaming and Northern Ontario Railway, Report . . . . .	48	<i>Printed.</i>
Toronto University, Report . . . . .	13	"
Toronto University, Report of Commission . . . . .	32	"

# LIST OF SESSIONAL PAPERS.

*Arranged in Numerical Order with their Titles at full length; the dates when Orderedd and when presented to the Legislature; the name of the Member who moved the same, and whether Ordered to be Printed or not.*

## CONTENTS OF PART I.

- No. 1. Public Accounts of the Province for the year 1904. Presented to the Legislature, March 31st, 1905. *Printed.*
- No. 2. Estimates for the service of the Province until the Estimates of the year are finally passed. Presented to the Legislature, 23rd March, 1905. *Not Printed.* Estimates for the year 1905. Presented to the Legislature, 7th April, 1905. *Printed.* Estimates (Supplementary) for the year 1905. Presented to the Legislature, 18th May, 1905. *Printed.*
- No. 3. Report of the Commissioner of Crown Lands for the year 1904. Presented to the Legislature, 17th May, 1905. *Printed.*
- No. 4. Report of the Clerk of Forestry for the year 1904. Presented to the Legislature, 17th May, 1905. *Printed.*

## CONTENTS OF PART II.

- No. 5. Report of the Bureau of Mines for the year 1904. Presented to the Legislature, 6th April, 1905. *Printed.*
- No. 6. Report of the Commissioners of the Queen Victoria Niagara Falls Park, for the year 1904. Presented to the Legislature, 31st March, 1905. *Printed.*
- No. 7. Report of the Commissioner of Public Works for the year 1904. Presented to the Legislature, 31st March, 1905. *Printed.*
- No. 8. Report of the Inspectors of Factories for the year 1904. Presented to the Legislature, 15th May, 1905. *Printed.*
- No. 9. Report relating to the registration of Births, Marriages and Deaths for the year 1903. Presented to the Legislature, 31st March 1905. *Printed.*

## CONTENTS OF PART III.

- No. 10. Report of the Inspector of Insurance for the year 1904. Presented to the Legislature, 7th April, 1905. *Printed.*

## CONTENTS OF PART IV.

- No. 11. Loan Corporations, Statements by Building Societies, Loan and other Companies, for the year 1904. Presented to the Legislature, 3rd May, 1905. *Printed.*
- No. 12. Report of the Minister of Education, for the year 1904 with the Statistics of 1903. Presented to the Legislature, 17th May, 1905. *Printed.*
- No. 13. Auditors' Report to the Board of Trustees, University of Toronto, on Capital and Income Accounts, for the year ending 30th June, 1904. Presented to the Legislature, 17th May, 1905. *Printed.*
- No. 14. Report of the Ontario Agricultural College and Experimental Farm, for the year 1904. Presented to the Legislature, 17th May, 1905. *Printed.*

## CONTENTS OF PART V.

- No. 15. Report of the Ontario Agricultural and Experimental Union of the Province, for the year 1904. Presented to the Legislature, 3rd April, 1905. *Printed.*
- No. 16. Report of the Fruit Growers' Association of the Province, for the year 1904. Presented to the Legislature, 12th April, 1905. *Printed.*
- No. 17. Report of the Fruit Experiment Stations of the Province, for the year 1904. Presented to the Legislature, 10th May, 1905. *Printed.*
- No. 18. Report of the Inspector of Fumigation Appliances, of the Province, for the year 1904. Presented to the Legislature, 15th May, 1905. *Printed.*
- No. 19. Report of the Entomological Society, for the year 1904. Presented to the Legislature, 3rd April, 1905. *Printed.*

## CONTENTS OF PART VI.

- No. 20. Report of the Bee-Keepers' Association of the Province, for the year 1904. Presented to the Legislature, 12th April, 1905. *Printed.*
- No. 21. Calendar of the Ontario School of Practical Science, affiliated with the University of Toronto. Presented to the Legislature, 3rd May, 1905. *Printed for distribution only.*
- No. 22. Reports of the Dairymen's Associations of the Province, for the year 1904. Presented to the Legislature, 11th April, 1905. *Printed.*
- No. 23. Reports of the Live Stock Associations of the Province, for the year 1904. Presented to the Legislature, 15th May, 1905. *Printed.*
- No. 24. Report of the Registrar of Live Stock of the Province, for the year 1904. Presented to the Legislature, 15th May, 1905. *Printed.*

## CONTENTS OF PART VII.

- No. 25. Report of the Farmers' Institutes of the Province, for the year 1904. Presented to the Legislature, 14th April, 1905. *Printed.*



- No. 26. Report of Ontario Fairs and Exhibitions of the Province, for the year 1904. Presented to the Legislature, 3rd May, 1905. *Printed.*
- No. 27. Report of the Commissioner of Highways, for the year 1904. Presented to the Legislature, 12th April, 1905. *Printed.*
- No. 28. Report of the Bureau of Industries of the Province, for the year 1904. Presented to the Legislature, 15th May, 1905. *Printed.*

### CONTENTS OF PART VIII.

- No. 29. Report of the Bureau of Labour, for the year 1904. Presented to the Legislature, 17th May, 1905. *Printed.*
- No. 30. Report of the Ontario Game Commission, for the year 1904. Presented to the Legislature, 9th May, 1905. *Printed.*
- No. 31. Report of the Department of Fisheries, for the year 1903. Presented to the Legislature, 3rd April, 1905.
- No. 32. Report of Commission appointed to enquire into and report upon the matters referred to in a Resolution of the Senate of the University of Toronto, passed on the 20th January, 1905. Presented to the Legislature, 23rd May, 1905. *Printed.*
- No. 33. Report of the Inspector of Division Courts, for the year 1904. Presented to the Legislature, 3rd May, 1905. *Printed.*
- No. 34. Report of the Inspector of Legal Offices, for the year 1904. Presented to the Legislature, 3rd April, 1905. *Printed.*
- No. 35. Report of the Inspector of Registry Offices, for the year 1904. Presented to the Legislature, 18th May, 1905. *Printed.*

### CONTENTS OF PART IX.

- No. 36. Report of the Provincial Board of Health, for the year 1904. Presented to the Legislature, 31st March, 1905. *Printed.*
- No. 37. Report of the Secretary and Registrar of the Province, for the year 1904. Presented to the Legislature, 18th May, 1905. *Printed.*
- No. 38. Report upon the Lunatic and Idiot Asylums of the Province, for the year ending 30th September, 1904. Presented to the Legislature, 17th May, 1905. *Printed.*
- No. 39. Report upon the Prisons and Reformatories of the Province, for the year ending 30th September, 1904. Presented to the Legislature, 17th May, 1905. *Printed.*
- No. 40. Report upon the Hospitals and Charities of the Province, for the year ending 30th September, 1904. Presented to the Legislature, 17th May, 1905. *Printed.*

### CONTENTS OF PART X.

- No. 41. Report upon the Institution for the Education of the Blind, Brantford, for the year ending 30th September, 1904. Presented to the Legislature, 6th April, 1905. *Printed.*

- No. 42. Report upon the Institution for the Education of the Deaf and Dumb, Belleville, for the year ending 30th September, 1904. Presented to the Legislature, 31st March, 1905. *Printed.*
- No. 43. Report of Superintendent. Neglected and Dependent Children of Ontario, for the year 1904. Presented to the Legislature, 18th May, 1905. *Printed.*
- No. 44. Report upon the Inspection of Liquor Licenses, for the year 1904. Presented to the Legislature, 17th May, 1905. *Printed.*
- No. 45. Report of the Provincial Municipal Auditor for the year 1904. Presented to the Legislature, 15th May, 1905. *Printed.*
- No. 46. Return from the Records of the General and Subsequent Elections to the Legislative Assembly on 25th January, and 21st February, 1905, shewing:—(1) The number of Votes polled for each Candidate in each Electoral District in which there was a contest. (2) The majority whereby each successful Candidate was returned. (3) The total number of votes polled in each District (4) The number of Votes remaining Unpolled. (5) The number of names on the Voters' Lists in each District. (6) The population of each District as shewn by the last Dominion Census. (7) Similar Statements as to any Elections held since the General Election. (8) A General Summary of Votes cast in each Electoral District. Presented to the Legislature, 22nd March, 1905. *Printed.*
- No. 47. Report upon the state of the Library. Presented to the Legislature, 5th April, 1905. *Not printed*
- No. 48. Report of the Temiskaming and Northern Ontario Railway Commission, for the year 1904. Presented to the Legislature, 10th May, 1905. *Printed.*

### CONTENTS OF PART XI.

- No. 49. Report of the Archivist, Ontario, for the year 1904. Presented to the Legislature, 17th May, 1905. *Printed.*

### CONTENTS OF PART XII.

- No. 50. Copies of correspondence *in re* the extension of the Boundaries of the Province. Presented to the Legislature, 27th March, 1905. *Not Printed.*
- No. 51. Copies of Orders-in-Council in accordance with the provisions of section 187 of the Judicature Act, relating to commutation of fees of Public Officers. Presented to the Legislature, 31st March, 1905. *Not printed.*
- No. 52. Return to an Order of the House of the twenty-second day of April, 1904, for a Return giving names of all persons convicted for



violation of the Liquor License Act in the District of North Hastings in the years 1902 and 1903, together with the amounts of fines and costs in each case and the dates when the same were paid. Presented to the Legislature, 31st March, 1905. *Mr. Pearce. Not printed.*

- No. 53. Return to an Order of the House of the thirty-first day of March, 1905, for a Return of copies of all correspondence between the late Government of the Province, or any member or official thereof, and the Sheriff of the County of Lincoln with regard to the appointment of George Bush as Gaoler for the County of Lincoln. Presented to the Legislature, 3rd April, 1905. *Mr. Jessop. Not printed.*
- No. 54. Report of the Commissioners appointed to enquire into and report the various phases of Railway Legislation in force in the United States, affecting taxation of Railways. Presented to the Legislature, 7th April, 1905. *Printed.*
- No. 55. Return to an Order of the House of the sixth day of April, 1905, for a Return of copies of all correspondence between the late Government, or any member or official thereof, and G. P. Wilson and Col. Cohoe, respecting the appointment of Col. Cohoe to the position of High Court Registrar. Presented to the Legislature, 7th April, 1905. *Mr. Fraser. Not printed.*
- No. 56. Revised and amended Regulations for Mining Divisions relating to the Michipicoten and Temiskaming Mining Divisions. Presented to the Legislature, 20th April, 1905. *Printed for distribution only.*
- No. 57. Copies of Orders-in-Council relating to the Education Department. Presented to the Legislature, 20th April, 1905. *Printed for distribution only.*
- No. 58. Return to an Order of the House of the twelfth day of April, 1905, for a Return of copies of all correspondence, papers, documents, profiles and maps, between the Government or any Department thereof and the James Bay Railway Company, or any other person or persons, relating to the route of the James Bay Railway, from January 1st, 1904, down to April 1st, 1905, both days inclusive. Presented to the Legislature, 9th May, 1905. *Mr. Hoyle. Not printed.*
- No. 59. Statement of distribution of Revised and Sessional Statutes, 1898 to 1904. Presented to the Legislature, 3rd May, 1905. *Not printed.*
- No. 60. Return to an Order of the House of the 3rd day of May, 1905, for a Return of the copies of all correspondence, petitions or other papers in connection with the appointment of License Commissioners for the East Riding of Lambton. Presented to the Legislature, 9th May, 1905. *Mr. Auld. Not printed.*
- No. 61. Return to an Address to His Honour, the Lieutenant-Governor of the fifth day of May, 1905, praying that he will cause to be laid before

this House, a Return of copies of the Statement of the Case of the Dominion, and the answer of Ontario to the Statement of Case of the Dominion, filed on Indian Claims arising out of the Northwest Angle Treaty, No. 3. Presented to the Legislature, 9th May, 1905. *Mr. Smellie. Printed.*

- No. 62. Return to an Order of the House of the fifteenth day of May, 1905, for a Return of copies of all correspondence, papers, documents and memoranda relating to the drainage of the River aux Raisin, in the Townships of Osnabruock, Cornwall and Roxborough, in the County of Stormont, between the Commissioner of Public Works or his Deputy, in the years 1901, 1902, 1903 and 1904, and a Mr. Bell, C.E., Mr. Laird, C.E., Mr. Rankin. Provincial Drainage Referee, and the Councils of the Townships of Roxdorough, Cornwall and Osnabruock; also, copies of all correspondence between the Hon. G. W. Ross and any of the above parties; also copies of any letters regarding this matter received by the Government from Mr. J. W. McCart and Messrs. McLennan, Cline and McLennan; also, copies of letters, authorizing the payment of Mr. Bell, C.E., Mr. Laird, C.F., and several men working with them; also, a Return of the amount paid to each of the above during the years 1901, 1903, 1904. Presented to the Legislature, 23rd May, 1905. *Mr. Kerr. Not printed.*





# PUBLIC ACCOUNTS

OF THE

# PROVINCE OF ONTARIO

FOR THE

YEAR ENDED 31<sup>ST</sup> DECEMBER,

1904.



TORONTO :

Printed and Published by L. K. CAMERON, Printer to the King's Most Excellent Majesty.

1905.



WARWICK BROS & RUTTER, LIMITED, PRINTERS,  
TORONTO.



To His Honour WILLIAM MORTIMER CLARKE, K.C.,

*Lieutenant-Governor of Ontario.*

MAY IT PLEASE YOUR HONOUR :

The undersigned has the honour to present to your Honour the PUBLIC ACCOUNTS of the Province of Ontario for the year ended 31st December, 1904.

Respectfully submitted,

A. J. MATHESON,

*Treasurer.*

TREASURY DEPARTMENT, ONTARIO,

TORONTO, March 9th, 1905.



# PROVINCIAL AUDITOR'S REPORT.

PROVINCIAL AUDITOR'S OFFICE.  
TORONTO, March 9th, 1905.

To Hon. T. J. Matheson,  
Treasurer of Ontario.

I have the honour to present to you the Public Accounts for the year ended 31st December, 1904.

For the Information of the Legislative Assembly, I beg to report the following over expenditures of appropriations as granted by the supply Bill:

---

## OVER EXPENDITURES AUTHORIZED BY THE TREASURY BOARD.

**Civil Government: Public Works Department..... \$367 72**

PUBLIC WORKS DEPARTMENT,  
TORONTO, December 13th, 1904.

The undersigned begs to report to His Honour the Lieutenant-Governor-in-Council,

That the appropriation for salaries and expenses of the Public Works Department and its branches is now nearly exhausted and to meet December salaries an additional \$367.72 is required.

The undersigned therefore recommends that authority be given under the act R.S.O. Cap. 23, Sec. 20, for the issue of a warrant for the said sum of \$367.72.

(Sgd.) W. A. CHARLTON,  
Commissioner.

---

Copy of a Minute of the Treasury Board, dated 28th December, A.D. 1904.

Upon consideration of the report of the Honourable the Commissioner of Public Works, dated the 13th day of December, A.D. 1904, the Treasury Board doth hereby pursuant to the provisions of section 20, Cap. 23, R.S.O. 1897, authorize the

issue of a warrant for the sum of Three hundred and sixty-seven dollars and seventy-two cents (\$367.72) in favour of the Honourable the Treasurer to meet the balance owing on account of Departmental Salaries for the month of December, the appropriation for salaries and expenses of the Public Works Department and its branches having become exhausted.

Certified,

J. LONSDALE CAPRÉOL,

Clerk Treasury Board.

**Civil Government: Factory Inspection..... \$1,278 47**

TORONTO, November 28th, 1904

To His Honour

The Lieutenant Governor-in-Council:

The undersigned has the honour to report that owing to the extra expenditure in connection with the office of the Factories Inspectors for both services and travelling expenses the appropriation for the Department of Agriculture is insufficient to meet the salaries for December, and contingencies for November and December, and that an additional sum of \$1,278.47 is required as follows:

December salaries .....	\$928.47
Accountable warrants for travelling expenses of Factories inspectors, November and December :	
A. H. Holmes .....	\$100 00
J. T. Burke .....	100 00
Thomas Keilty .....	100 00
Mrs. Annie Brown .....	50 00
	350 00
	\$1,278 47

The undersigned therefore recommends that authority be given under the Act R.S.O. Cap. 23. sec. 20 for the issue of a warrant for the said sum of \$1,278.47.

(Sgd.) JNO. DRYDEN

Minister of Agriculture.

Copy of a Minute of the Treasury Board, dated 28th November, 1904:

Upon consideration of a report of the Honourable the Minister of Agriculture, dated the 28th day of November, A.D. 1904, the Treasury Board doth hereby pursuant to the provisions of section 20, Cap. 23, R.S.O. 1897 authorize the issue of a warrant for the sum of One thousand two hundred and seventy-eight dollars and forty-seven cents (\$1,278.47) in favour of the Honourable the Treasurer to meet the salaries for December of the Inspectors of Factories and contingencies for November and December as follows, the appropriation for the Department of Agriculture having become exhausted:—

December salaries ..... \$928 47

Travelling expenses of Factory Inspectors for  
November and December:

A. H. Holmes .....	\$100 00
J. T. Burke .....	100 00
Thomas Keilty .....	100 00
Mrs. Annie Brown .....	50 00
	350 00
	\$1,278 47

Certified,

J. LONSDALE CAPREOL,  
Clerk, Treasury Board....

**Legislation—Stationery, Printing and Binding ..... \$12,209.47**

TORONTO, December 30th, 1904.

The undersigned begs to report to His Honour the Lieutenant-Governor-in-Council:—

That the appropriation for Legislative Printing and Binding for the current year, has, owing to the increased amount of work during the Session proved insufficient, and the following amounts are required to meet the outstanding accounts for the year, viz:—

Vr. No. 3882 Riordan Paper Mills... ..	\$9,871 47
4350 Toronto Engraving Company .....	856 47
3470 Grip Limited .....	531 53

In addition to the above the following accounts chargeable to legislation expenses should also be paid, viz.:

Vr. No. 3707 C. S. Grant, (Osgoode Hall) ...	\$200 00
3927 Mowat, Langton & Co .....	750 00

In all the sum of ..... \$12,209 47

The undersigned therefore recommends that authority be given under R.S.O. 1897, Cap. 23, section 20, for the issue of a warrant to cover the above amount.

I have the honour to be, Sir,  
Your obedient servant,

(Sgd.) LUD. K. CAMERON,  
King's Printer and Accountant.

Approved,

(Sgd.) G. W. Ross,  
Provincial Treasurer.

Copy of a Minute of the Treasury Board, dated the 13th day of January, A.D. 1905.

Upon consideration of the report of the King's Printer approved by the Honourable the Treasurer, dated the 30th day of December A.D. 1904, the Treasury Board doth hereby pursuant to the provisions of section 20, Cap. 23, R. S. O. 1897, authorizing the issue of a warrant for the sum of Twelve thousand two hundred and nine dollars and forty-seven cents (\$12,209.47) for the payment of the following amounts required to meet the outstanding accounts for the year in connection with Legislative Printing and Binding and Legislation expenses, the appropriation for said services having become exhausted:—

Riordan Paper Mills .....	\$9,871 47
Toronto Engraving Company .....	856 47
Grip Limited .....	531 53
C. S. Grant, Osgoode Hall .....	200 00
Mowat Langton & Co. ....	750 00
	<hr/>
	\$12,209 47

Certified,  
J. LONSDALE CAPREOL,  
Clerk, Treasury Board.



---

**Education : Superannuated Teachers** ..... \$963 70

The undersigned respectively reports to His Honour the Lieutenant-Governor-in-Council:—

That the amount appropriated for the sub-service of "Superannuated Teachers," is exhausted, with the exception of the small balance of \$8.00.

As it is necessary that the annual allowances of certain worn out teachers, still unpaid, should be forwarded without delay, the undersigned respectfully recommends that authority be given under the Act R.S.O.Cap. 23, sec. 20, for the payment of the pensions set forth in the accompanying certificates and statement; amounting to Nine hundred and sixty-three dollars and seventy cents (\$963.70).

(Sgd.) R. HARCOURT,  
Minister of Education.

TORONTO, 27th July, 1904.

---

Copy of a Minute of the Treasury Board, dated 4th August, 1904.

Upon consideration of the report of the Honourable the Minister of Education, dated the 27th day of July A.D. 1904, the Treasury Board doth hereby pursuant to the provisions of section 20, Cap. 23, R.S.O. 1897, authorize the issue of a warrant for the sum of Nine hundred and sixty-three dollars and seventy cents (\$963.70) in favour of the Honourable the Treasurer for the payment of pensions to certain Superannuated Teachers, the appropriation for said service having become exhausted.

Certified,  
J. LONSDALE CAPREOL,  
Assistant Clerk, Executive Council.

---

**Public Institutions Maintenance, Asylum for Insane Mimico** \$3,357 99

RE MAINTENANCE, MIMICO ASYLUM.

TORONTO, 21st December, 1904.

SIR,—I beg to report that the maintenance appropriation at Mimico Asylum has been insufficient to meet the expenditure and that the indebtedness to be paid amounts to \$3,357.99.

The overdraft is in consequence of the reduction in the appropriation for the current year over last year by \$2,064.00, (the average population being practically the same for the two years) and an unforeseen expenditure of some \$1,500.00 on coal, caused by the length and severity of the winter of 1903-4, necessitating calling on the contractor for deliveries over amounts specified in contracts.

I would therefore beg to recommend that authority be given under R. S. O. Cap. 23, section 20, for the issue of a Treasury Board Warrant for the sum of \$3,357.99 in order that the accounts for December may be paid.

Your obedient servant,

(Sgd.) R. CHRISTIE.

C. H. SPROULE, Esq.,  
Provincial Auditor, City.

APPROVED,

G. P. GRAHAM,  
Provincial Secretary.

---

Copy of Minute of Treasury Board dated 22nd December, 1904.

Upon consideration of the report of Mr. Inspector Christie, approved by the Honourable the Provincial Secretary, dated the 21st day of December, A.D. 1904, the Treasury Board doth hereby pursuant to the provisions of section 20 Cap. 23, R. S. O. 1897, authorized the issue of a warrant for the sum of three thousand three hundred and fifty-seven dollars and ninety-nine cents (\$3,357.99) in favor of the Honourable the Treasurer for payment of maintenance accounts for the month of December in connection with the Mimico Asylum, the appropriation for said service having become exhausted.

Certified,

J. LONSDALE CAPREOL.

C. E. C.

22nd December, 1904.

<b>Public Institutions Maintenance—Asylum for Insane, Brockville.....</b>	<b>\$5,382 83</b>
---	-------------------

## RE MAINTENANCE BROCKVILLE ASYLUM.

Toronto, 19th December, 1904.

SIR,—I beg to report that the maintenance accounts at Brockville Asylum for the month of December have been received, and when examined show an overdraft of \$5,382.83. This overdraft has been caused by the increased quantity of coal required owing to the length of the winter season last year, and by the fact that all the coal for the season of 1904 and 1905 has been purchased and paid for during 1904. By this purchase a saving of 59 cents per ton was effected as compared with the terms that could be secured by taking the coal in as it might be required.

I would therefore recommend that under R.S.O. Cap. 23, Section 20, a Treasury Board Warrant be issued for the sum of \$5,382.83 with which to pay the maintenance accounts presented at Brockville Asylum for the month of December, 1904, which were not provided for in the Estimates.

Your Obedient servant,  
R. CHRISTIE,  
Inspector.

C. H. SPROULE, ESQ.,  
Provincial Auditor.  
City.

Approved,

G. P. GRAHAM,  
Provincial Secretary.

---

Copy of a Minute of Treasury Board, dated 22nd December, 1904.

Upon consideration of the report of Mr. Inspector Christie, approved by the Honourable the Provincial Secretary, dated the

19th day of December, A.D. 1904, the Treasury Board doth hereby, pursuant to the provisions of section 20, cap. 23, R.S.O. 1897, authorize the issue of a warrant for the sum of five thousand three hundred and eighty-two dollars and eighty-three cents (\$5,382.83) in favor of the Honourable the Treasurer for the payment of the maintenance accounts presented at Brockville Asylum for the month of December, 1904, the appropriation for the maintenance of said institution having become exhausted.

Certified,

J. LONSDALE CAPREOL,

Clerk Treasury Board.

22nd December, 1904.

---

**Public Buildings—Kingston Asylum . . . . . \$1,103 34**

DEPARTMENT OF PUBLIC WORKS, ONTARIO.

TORONTO, December, 13th, 1904.

A. W. CAMPBELL, Esq.  
 Assistant Commissioner,  
 Public Works, Ontario.

SIR,—I have the honor to report that the appropriation for the Asylum for Insane, Kingston, under Capital Account has been reported by the Auditor to be overexpended. The over-expenditure is to be attributed to the fact that no provision was made in the Estimates for the building of a House for the Butcher which has been erected at a cost of \$1,229.00, the old one previously occupied by him being considered past repairing and unfit to live in. I have applied to the Inspector of Asylums to consent to the payment of the Pay Sheets out of the balance of the appropriation written under his Department by the Auditor. To-day he informs me that all of the balance will be required to meet the payment of his accounts outstanding. I would therefore recommend that a Treasury warrant be applied for to meet the following Pay Sheets and Accounts.

Pay Lists.

Nov. 14th to Nov. 16th,	Butcher's House.....	\$130.00	
do. do.	Cold Storage.....	13.50	
do. do.	Stone wall... ..	74.25	\$217.75
Nov. 28th to Dec. 10th,	Butcher's House.....	64.00	
do. do.	Cold Storage.....	17.50	
do. do.	Stone Wall . . . . .	20.25	101.75
To Dec. 31st.	Cold Storage and Butcher's House.....		76.50

Accounts.

Elliott Bros.	Steam Mains & Boiler Connections.....		511.86
A. Strachan.	Cold Storage.....	\$21.00	
do.	do. ....	55.90	
do.	Butcher's House.....	9.10	86.00
Wm. Drury.	Lime, etc.....		23.04
P. Walsh.	do. ....		32.44
H. J. Harpell.	Butcher's House.....	\$19.50	
do.	Cold Storage . . . . .	12.00	
do.	Stone Wall . . . . .	12.00	
do.	Boilers . . . . .	10.50	54.00
			<u>1,103.34</u>

Your obedient servant,

F. R. HEAKES,  
Architect.

Approved,

A. M. CAMPBELL,  
Asst. Commissioner.

C. H. SPROULE, Esq.  
Provincial Auditor,  
Ontario.

Sir,—The appropriation under Capital Account for the Asylum for the Insane, Kingston, is now over expended to the amount of \$76.95 as shown by your Department, the attached accounts are still unpaid.

The over expenditure is attributed to the fact that the butcher's house through decay, became unfit for occupation and had to be re-built.

In addition to this, the stone wall at the end of the cold Storage Building fell down, and had to be replaced.

I therefore have the honour to recommend that a cheque be issued to the Bursar of the Asylum for the payment of these several accounts and pay rolls.

(Sgd.) W. A. CHARLTON,  
Commissioner of Public Works.

Toronto Dec. 16th, 1904.



Copy of a Minute of the Treasury Board, dated the 9th day of January, A.D. 1905.

Upon consideration of the report of the Honourable the Commissioner of Public Works, dated the 16th day of December, A.D. 1904, the Treasury Board doth hereby pursuant to the provisions of section 20 cap. 23, R.S.O. 1897, authorize the issue of a warrant in favour of the Honourable the Treasurer for the sum of one thousand one hundred and three dollars and thirty-four cents (\$1,103.34) for the payment of certain accounts in connection with work done at the Asylum for the Insane, Kingston, the appropriation for said Institution (Capital Account) having become exhausted.

Certified,  
J. LONSDALE CAPREOL,  
Clerk, Executive Council.

**Public Buildings—Penetang. Asylum . . . . . \$4,043 53**

Toronto, 15th November, 1904.

The undersigned has had under consideration the report of Mr. Inspector Christie, calling attention to an Overdraft on Capital Account at the Penetanguishene Asylum, and showing that out of a total vote of \$18,650.00, \$20,830.76 has been expended by the Public Works Department, and \$5,679.32 by the Inspector, thus leaving a total overdraft of \$7,950.08 of which \$1,119.32 is an Overdraft by the Inspector and \$6,830.76 by the Public Works Department, and having knowledge of the necessity for properly equipping the Institution, begs to recommend that an Order in Council be passed authorizing the issue of a Treasury Board warrant for \$4,043.53 with which to pay accounts now presented and not otherwise provided for.

(Sgd.) J. R. STRATTON,  
Provincial Secretary.

To His Honour  
The Lieutenant-Governor-in-Council :

Toronto. 14th November, 1904.

*Re* CAPITAL ACCOUNT PENETANG ASYLUM.

SIR,—I beg to report that accounts have been presented for payment out of Capital appropriation at Penetang Asylum

amounting to \$4,043.53 and on referring same for payment to the Treasury Department I have received a statement from the Provincial Auditor of the present standing of the appropriation. The analysis shows that out of the total vote of \$18,650.00, \$20,830.76, has been expended by the public works department and \$5,769.32 by the Inspector, thus leaving a total overdraft of \$7,950.08 of which \$1,119.32 is an Overdraft by the Inspector and \$6,830.76 by the P. W. Dept. I understand from the audit department that this overdraft will be reported upon and provision made by the Public Works Department which leaves the accounts amounting to \$4,043.53 still remaining unpaid under the control of the inspector.

These accounts have all been incurred in the work of equipping the institution with necessary furniture and furnishings, and I would therefore recommend that pursuant to R.S.O. Cap. 23, Sec. 20, an Order-in-Council be passed authorizing the issue of a Treasury Board warrant for the sum of \$4,043.53 with which to pay the claims incurred.

Your obedient servant,

R. CHRISTIE,

Inspector.

The Honourable  
The Provincial Secretary.

---

Copy of a Minute of the Treasury Board, dated 15th November, A.D. 1904.

Upon consideration of the report of the Honourable the Provincial Secretary, dated the 15th day of November, A.D. 1904, the Treasury Board doth hereby, pursuant to the provisions of section 20 Cap. 23, R.S.O. 1897, authorize the issue of a warrant for the sum of four thousand and forty-three dollars and fifty-two cents (\$4,043.52) in favor of the Honourable the Treasurer for the payment of certain accounts in connection with the equipment of the Penetanguishene Asylum with necessary furniture and furnishings, the appropriation for said Institution (Capital Account) having become exhausted.

Certified.

J. LONSDALE CAPREOL.

Clerk Treasury Board.



**Public Buildings—Penetang. Asylum..... \$1,139 03**

TORONTO, 30th November, 1904.

*Re* CAPITAL ACCOUNT P. A.

SIR,—I beg to report that the appropriation on capital account at Penetanguishene Asylum for 1904 has become exhausted, chiefly owing to the necessity of providing for a larger number of patients than was contemplated. This latter expenditure consists of furniture and furnishings for the halls and sleeping rooms, besides bedding, gas, and electric light fixtures. Extra dining room supplies have also been necessary.

To properly equip the institution with the above list of furnishings, accounts have been sent in amounting to \$1,139.03. And I would therefore recommend that pursuant to R.S.O. Cap. 23, Sec. 20, an Order-in-Council be passed authorizing the issue of a Treasury Board warrant for the sum of \$1,139.03, with which to pay the claims incurred.

Your obedient servant,

R. CHRISTIE,  
Inspector.

The Honourable

The Provincial Secretary.

TORONTO, 30th November, 1904.

The undersigned has had under consideration the attached report of Mr. Inspector Christie, respecting the necessity for providing for a larger number of patients at Penetanguishene Asylum than was at first contemplated, and that in doing so the appropriation made on Capital Account has become exhausted, and an expenditure has been incurred amounting to \$1,139.03 in payment of which no funds have been provided. Having been assured of the necessity for incurring the expenditure, the undersigned begs to recommend that an Order-in-Council be passed authorizing the issue of a Treasury Board Warrant for \$1,139.03, with which to pay the accounts herewith presented.

(Sgd.) GEORGE P. GRAHAM.  
Secretary.

To His Honour

The Lieutenant Governor in Council.

Copy of a Minute of the Treasury Board, dated the 2nd day of December, A.D. 1904.

Upon consideration of the report of the Honourable the Provincial Secretary, dated the 30th day of November, A.D. 1904, the Treasury Board doth hereby, pursuant to the provisions of section 20, Cap. 23, R.S.O. 1897, authorize the issue of a warrant for the sum of one thousand one hundred and thirty-nine dollars and two cents (\$1,139.02), in favour of the Honourable the Treasurer for the payment of certain accounts in connection with the Penetanguishene Asylum, the appropriation for said Institution (Capital Account) having become exhausted.

Certified,

J. LONSDALE CAPREOL,  
Clerk Treasury Board.

**Public Buildings—Penetang. Asylum** ..... **\$725 70**

TORONTO, 28th December, 1904.  
*Re* CAPITAL ACCOUNT P. A.

Sir,—The appropriation for Capital Account for 1904 at the Penetanguishene Asylum has become exhausted, and accounts have been presented aggregating \$725.70, which should be paid. The overdraft is largely due to the necessity for providing for a larger number of patients than was anticipated. Accommodation had also to be provided for the staff of employees, and for this purpose more bed-room and dining-room supplies has been necessary. The present list of accounts is chiefly for furniture and furnishings, table supplies and electric fixtures. I would therefore recommend that pursuant to R.S.O. Cap. 23, Sec. 20, an Order-in-Council be passed authorizing the issue of a Treasury Board warrant to the extent of \$725.70 with which to pay the expenditure now incurred.

Your obedient servant,

(Sgd.) R. CHRISTIE,  
Inspector.

C. H. SPROULE, Esq.,  
Provincial Auditor,  
Toronto.

Copy of a Minute of the Treasury Board, dated 28th December, A.D. 1904.

Upon consideration of the report of Mr. Inspector Christie approved by the Honourable the Provincial Secretary, dated the 28th day of December, A.D. 1904, the Treasury Board doth hereby, pursuant to the provisions of section 20, Cap. 23, R.S.O. 1897, authorize the issue of a warrant for the sum of Seven hundred and twenty-five dollars and seventy cents (\$725.70) in favour of the Honourable the Treasurer for the payment of certain accounts for furniture and furnishings in connection with the Penetanguishene Asylum, the appropriation for said institution (Capital Account) having become exhausted.

Certified,

J. LONSDALE CAPREOL,

Clerk, Treasury Board.

---

**Public Buildings—Penetang. Asylum** ..... **\$7,762 95**

DEPARTMENT OF PUBLIC WORKS, ONTARIO.

TORONTO, 7th January, 1905.

The undersigned begs to report to His Honor the Lieutenant-Governor in Council:

That the capital appropriation for the Asylum for the Insane, Penetanguishene, is exhausted.

For the reasons set forth in the report of Mr. Heakes, Architect of the Department, it was found necessary to make certain alterations and additions in excess of what was first contemplated and pay lists for wages and accounts amounting to \$7,762.95 as per attached list still remain unpaid.

The undersigned therefore respectfully recommends that authority be given, pursuant to the provisions of section 20, Cap. 23, R.S.O. 1897, for the issue of a warrant in favour of the Honourable the Treasurer, for the sum of \$7,762.95 for the payment of said wages and accounts.

(Sgd.) W. A. CHARLTON,

Commissioner.

DEPARTMENT OF PUBLIC WORKS, ONTARIO.  
TORONTO, December 19th, 1904.

A. W. CAMPBELL, Esq.,  
Assistant Commissioner,  
Department of Public Works, Ont.

Sir,—The Provincial Auditor reports the appropriation for alterations to buildings, Penetanguishene Asylum, to be over-expended and which can be accounted for, for several reasons. When the Inspectors of Prisons and Asylums and myself paid a visit to the Institution on March 3rd last, it was then thought with some changes and additions the main building could be utilized without the extensive alterations that were afterwards found to be necessary, including cooking apparatus, which had to be entirely re-modelled and renewed, including steam and water connections, drainage and a new cement floor, smoke stack and ventilator, and entire new plumbing in kitchen. A sheeted partition was erected across the end of the dining-room from floor to ceiling 17 feet in height, with a division in the centre forming pantry off kitchen and bread-room off the bakery, the former being fitted with enclosed shelving (dresser) on three sides and the latter with open shelving, from the kitchen pantry a dumb waiter has been erected leading to the men's dining-room on the upper floor, new bread troughs, boards, etc., were fitted up in the bakery, a pantry was also erected at the opposite end of the dining-room for the Officials. All this work was not decided upon until May 13th, when I visited the buildings in company with the Hon. the Provincial Secretary, the Inspector of Asylums and the Matron of the Institution, at that time changes were made in the location of the patients, the first intention being that the building was to be occupied altogether by women, it was then decided that the south wing should be occupied by men, which necessitated the fitting up of additional plumbing on each floor and dividing doors from corridor. The location of the store in basement for dry stores was changed and the location of the wet store and cold storage was also decided upon at this time.

Three apartments on the west side adjoining each other containing isolation cells were selected for stores and cold storage, necessitating the tearing down of the cells, re-ceiling the rooms and laying new cement floors, a roadway has been constructed leading to same from the main road to permit of goods being brought directly to these apartments, formerly the stores were carried through the main dining-room along the corridor and down the main stairs, an arrangement which probably fur-



nished work for the former inmates but could not be performed by aged lunatics, for which this Institution has been designed. The stores have been completely fitted up with new shelving, counters and tables. For sanitary reasons a large amount of work had to be done, the sheeting all around the walls of the wings was removed and wood fibre plaster substituted, considerable of the old flooring was badly shrunk and the joints filled with an accumulation of filth which could not be removed, the old flooring that was worn rough was planed off and the whole of the floors throughout the building was given two coats of oil. For sanitary reasons it was also found necessary to paint the whole of the walls and ceilings, excepting the Office, Matron's, Chief Attendant's and dining-rooms which have been papered.

The expenditure on electric wiring was much more than was at first estimated on, after the work was exposed the wiring on closer examination was found in many places to be badly worn as were most of the cut-outs, which were of a pattern not now accepted by the underwriters, but would probably have been accepted by them when the work was done twelve years since. There was no porcelain or other insulation excepting the rubber covering on wires, which, where exposed, was carried on wood cleats. Under the circumstances and after the experience we had in connection with the wiring of the Parliament Buildings a short time previous, and to insure the safety of the building and inmates, the whole of the building had to be practically re-wired, using such portions of the old wiring found to be in good condition, properly insulated with porcelain cleats and merle. The above also applies to the Medical Superintendent's house, the Assistant to the Medical Superintendent and to the Bursar's houses, the outside foreman's house and two cottages which have been converted into a boarding house. The Laundry was also wired for electric light. Inexpensive fixtures were provided where necessary. Owing to the difficulty of procuring men suitable for the work and the advance in price of labor and materials, added to the fact that a much larger quantity of work had to be done in connection with the steam heating than could be foreseen, the amount expended on this work was greatly in excess of the estimate. A new hot water heater was made necessary by the increased plumbing, the heater formerly used was only of sufficient capacity to supply the swimming bath, the only appliance that was supplied with hot water in the building. The underground steam main from the laundry building to the kitchen in the main building, which carries steam from the boilers in laundry had to be renewed, as also the mains and returns to the radiators in large dormitories, which had never worked effectively and in consequence the rooms were not properly heat-

ed, additional radiators were placed where required, radiators and mains on the ground floor had to be raised to allow the condensation to flow freely. The boilers had to be overhauled and considerable bricking in done, both to the boilers in main boiler-house and to those in the laundry, a new smoke stack being put on the latter. A change should be made in the return mains next season, the condensation now flowing into the tank should be returned direct to the boilers, and which accounts for the extraordinary amount of coal used in heating these buildings. Another large expenditure which it was impossible to foresee was the rebuilding of the whole of the laundry building, excepting that portion occupied by the boilers, from above the foundations the walls were cracked in many places and out of plumb 6 in. on each side, but as they measured 18 in. in thickness at the doorways I decided to tie them together with iron rods below the ceiling, but when holes were cut in the work, it was found the building had been first erected of wood and then encased on both sides with  $\frac{1}{2}$  brick in thickness, the wood was found to be completely rotted out which accounted for the spreading and cracking of the walls, as it was not possible to tie the work together, and the walls would not for one single day stand the oscillation which would be caused by the machinery to be installed, they were taken down and rebuilt, as many of the old bricks as were found to be sound were used again, an entire new roof with the exception of the common rafters was put on and covered with galvanized iron.

It should also be explained that all of the buildings in connection with the Reformatory for Boys, with the exception of the main building, the Warden's residence, and the Assistant Warden's residence, barn and stables were found to be in a most dilapidated and neglected condition, nothing evidently having been spent upon them for years.

The Medical Superintendent's house, the Assistant to the Medical Superintendent's house, the Bursar's house and the outside foreman's house have been repaired and papered and painted throughout. New plumbing has been installed in the Assistant Superintendent's house, the Bursar's house and the outside foreman's house. Besides the above, there are now on the premises fourteen cottages, twelve of which have been put in good repair, including re-shingling of most of the roofs, and are now occupied by the officials. With a view to economizing in fuel, furnaces have been put in the Bursar's house, the outside foreman's house and the attendant's boarding house, all of which were formerly heated by stoves. No provision was or could be made in the estimate for the above work as the disposi-

tion of the houses was not decided upon, with the exception of the Medical Superintendent's house, until the officials were appointed in August. Fully twice the amount of work first contemplated was found to be necessary, yet nothing has been done that was not absolutely necessary.

The work under the supervision of this Department was commenced on March 29th, and completed on August 30th, the Clerk of Works being withdrawn on that day. The first consignment of patients arrived in August, the building being now occupied by two hundred patients.

While the amount expended may appear large, when the cost per capita is compared with other institutions, it will be found to be much below the average, being at the rate of \$102.00 per patient.

Paid to date .....	\$20,424 20
Unpaid accounts and pay sheets as per attached list .....	7,762 95
	\$28,187 15
Total .....	\$28,187 15

Your obedient servant.

F. R. HEAKES,  
Architect.

Copy of a Minute of the Treasury Board, dated the 13th day of January, A.D. 1905.

Upon consideration of the report of the Honourable the Commissioner of Public Works, dated the 7th day of January, A.D. 1905, the Treasury Board doth hereby, pursuant to the provisions of section 20, Cap. 23, R. S. O. 1897, authorize the issue of a warrant in favor of the Honourable the Treasurer, for the sum of seven thousand seven hundred and sixty-two dollars and ninety-five cents (\$7,762.95), for the payment of pay lists for wages and accounts in connection with certain alterations and additions to the Asylum for the Insane, Penetanguishene, the appropriation (Capital Account) for said Institution having become exhausted.

Certified,

J. LONSDALE CAPREOL,  
Clerk Treasury Board.



**Public Buildings : Agricultural College** ..... **\$411 46**

TORONTO, December 28th, 1904.

To His Honour

The Lieutenant-Governor-in-Council :

The undersigned has the honour to report that the expenditure under Capital Account, at the Ontario Agricultural College has exceeded the appropriation, and that accounts to the amount of \$411.46, remain unpaid.

The undersigned begs therefore to respectfully recommend that a Treasury Board Order be issued for the sum of \$411.46, to cover said Overdraft.

(Sgd.) JOHN DRYDEN,  
Minister of Agriculture.

Copy of a Minute of the Treasury Board, dated 28th December, A.D. 1904.

Upon consideration of the report of the Honourable the Minister of Agriculture, dated the 28th day of December, A.D. 1904, the Treasury Board doth hereby, pursuant to the provisions of section 20, Cap. 23, R.S.O. 1897, authorize the issue of a warrant for the sum of four hundred and eleven dollars and forty-six cents (\$411.46) in favour of the Honourable the Treasurer for the payment of certain accounts in connection with the Ontario Agriculture College, the appropriation (Capital Account) for said Institution having become exhausted.

Certified,

J. LONSDALE CAPREOL,  
Clerk Treasury Board.

**Colonization Roads** ..... **6,000 00**

DEPARTMENT OF PUBLIC WORKS, ONTARIO.

The Honorable,

Commissioner of Public Works.

SIR,—I beg to represent that in consequence of the unusual development and settlement of the districts of Temiskaming.

Rainy River and other portions of the Province, and necessity for roads and bridges, there will be an expenditure of about \$6,000 not provided for in last year's estimates and which sum I would therefore recommend the Government to place to the credit of Department to meet the said expenditure.

Your obedient servant,

HENRY SMITH,  
Supt. Colonization Roads.

Toronto, November 7th, 1904.

Approved,

A. M. CAMPBELL,  
Asst. Commissioner.

HON. G. W. ROSS,  
Provincial Treasurer,  
Ontario.

SIR,—The undersigned has the honour to report that the appropriation for "Colonization Roads" is not sufficient to meet the expenditure which it has been found necessary to make in connection with the Season's work, as shown by the report of Mr. Henry Smith, Superintendent of Colonization Roads, hereto attached, and that a further sum of about \$6,000 will be required to meet the additional expenditure for reasons that have been set forth in Mr. Smith's report.

The undersigned therefore respectfully recommends that pursuant to the provisions of section 20, Chap. 23, R.S.O. 1897, a warrant for the sum of \$6,000 be approved in favour of the Honourable the Treasurer, to meet the payment of certified accounts, to be furnished by the Colonization Roads Branch of the Public Works Dept. to the Treasury Department in due course.

All of which is respectfully submitted.

I have the honour to be, sir,

Your obedient servant,  
(Sgd.) W. CHARLTON,  
Commissioner of Public Works.

Toronto Dec. 12th, 1904.

Copy of a Minute of the Treasury Board, dated the 13th day of December, A.D. 1904.

Upon consideration of the report of the Honourable the Commissioner of Public Works, dated the 12th day of December, A.D. 1904, the Treasury Board doth hereby, pursuant to the provisions of section 20, Cap. 23, R.S.O. 1897, authorize the issue of a warrant for the sum of six thousand dollars (\$6,000) in favour of the Honourable the Treasurer for the payment of certain accounts in connection with the construction of Colonization Roads and bridges, the appropriation for said service having become exhausted, such accounts to be certified by the Colonization Roads Branch of the Public Works Department and submitted to the Treasury Department in due course.

Certified,

J. LONSDALE CAPREOL,

Clerk Treasury Board.

---

**Refunds—Education** ..... **\$306 48**

The undersigned respectfully reports to His Honour the Lieutenant-Governor-in-Council:

That the sum of one thousand dollars voted by the Legislature for Refunds, on account of Education Vote No. 53, Estimates of 1904, is exhausted and a few claims for return of fees and subscriptions remain unpaid but which should be settled before the end of the year.

The undersigned therefore respectfully recommends that the further appropriation of three hundred and six dollars and forty-eight cents (\$306.48), be granted under the Act R.S.O. 1897, Cap. 23, Sec. 20, to meet the payment of the refunds named in the accompanying Schedule and as per certificate of names addresses and amounts to be furnished by the Education Department to the Provincial Treasury in due course.

Respectfully Submitted,

R. HARCOURT,

Minister of Education

Toronto. Dec. 8th 1904.

Copy of a Minute of the Treasury Board, dated the 13th day of December, A.D. 1904.

Upon consideration of the report of the Honourable the Minister of Education, dated the 8th day of December, A.D. 1904, the Treasury Board doth hereby, pursuant to the provisions of section 20, Cap. 23, R.S.O. 1897, authorize the issue of a warrant for the sum of three hundred and six dollars and forty-eight cents (\$306.48) in favor of the Honourable the Treasurer to meet the payment of the refunds on account of education named in the accompanying Schedule and as per certificate of names, addresses and amounts to be furnished by the Education Department to the Treasury Department in due course the appropriation for refunds on account of Education having become exhausted.

Certified,

J. LONSDALE CAPREOL,

Clerk, Treasury Board.

<b>Total Treasury Board Orders</b> .....		<b>\$45,052 67</b>
<b>Less refunds and transfers after issue of Treasury Board Orders:</b>		
<b>Civil Government:—</b>		
<b>Public Works Department</b> .....	<b>\$74 85</b>	
<b>Legislation:</b>		
<b>Stationery, Printing and Binding</b>	<b>1,548 33</b>	
<b>Education:</b>		
<b>Superannuated Teachers</b> .....	<b>3 95</b>	
<b>P. I. Maintenance:—</b>		
<b>Mimico L. A.</b> .....	<b>7 20</b>	
<b>Public Buildings:—</b>		
<b>Agricultural College</b> .....	<b>149 00</b>	
<b>Colonization Roads</b> .....	<b>29 26</b>	
		<b>,812 59</b>
		<b>43,240 08</b>

**Unauthorized expenditure****Civil Government:—**

Treasury Department.....	134 78
License Branch.....	82 35
Agriculture Department.....	5 91
	223 04

**Education:**

Departmental Library.....	8 13
Maintenance Education Buildings...	862 13
Miscellaneous.....	79 82
	950 08

Colonization and Immigration..... 564 94

**Public Buildings:—**

Kingston L. A.....	213 82
Mercer Reformatory.....	7 81
Penetang L. A.....	8,403 93
Childs Shelter.....	12 35
S. P. Science.....	366 20
	9,004 11

**Refunds:**

Miscellaneous..... 309 56

11,051 73

**Total overdrafts of appropriations under Schedule A  
of the Supply Bill (see Statement page  
Public Accounts).....**

**\$54,291 81**

**SPECIAL WARRANT ISSUED UNDER ORDER OF HIS HONOUR  
THE LIEUTENANT-GOVERNOR.**

*19 Vic., Cap. 4, Sec. 9, Sub-Sec. 2.*

Copy of an Order-in-Council approved by His Honour the Lieutenant-Governor, the 18th day of January, A.D. 1905.

The Committee of Council have had under consideration the reports of the Honourable the Attorney General, the Honourable the Minister of Education, the Honourable the Minister of Agriculture, the Honourable the Commissioner of Crown Lands, the Honourable the Provincial Secretary, and the Honourable the Commissioner of Public Works, dated 17th January, 1905, and the report of the Honourable the Treasurer of the same date, wherein he states that the sum of eighty thousand dollars appropriated by the supply bill of last Session, assented to on the 26th day of April, 1904 to defray the expenses of Legislation, Public Institutions Maintenance, and for salaries of Officers of the Gov-



ernment and the Civil Service for the Month of January, 1905, has become exhausted and as the Legislative Assembly has not been called for the despatch of business, some time will elapse before a vote of credit can be obtained and in the meantime it is necessary and urgent that further provision should be made for the above services to the following extent, namely:—

Legislation . . . . .	\$ 25,000.
Public Institutions Maintenance . . . . .	150,000.
Civil Government . . . . .	50,000.

The Treasurer further states that in accordance with the provisions of section 3, of the said Supply Bill, all balances remaining unexpended after the 20th day of January, instant, will lapse and be written off and in addition to the above sums in order to avoid great inconvenience to the different branches of the Public service it is urgently and immediately necessary that provision should be made to defray expenses in connection with other services as follows:—

Administration of Justice . . . . .	\$50,000
Education . . . . .	50,000
Agriculture . . . . .	25,000
Immigration & Colonization . . . . .	5,000
Repairs and maintenance Public Buildings.....	10,000
Public Works and Buildings (capital account)...	25,000
Charges on Crown Lands . . . . .	25,000
Colonization Roads . . . . .	10,000
Miscellaneous . . . . .	25,000

The Treasurer recommends that pursuant to the provisions of sub-section 2, of section 9, Chapter 23, R.S.O. 1897, a special warrant for the sum of four hundred and fifty thousand dollars (\$450,000) be issued by Your Honour, to be placed by the Treasurer to a special account against which cheques may be issued from time to time as may be required for the payment of expenditures in connection with the services above specified.

The Committee concur in the recommendation of the Treasurer and advise that the same be acted on.

Certified,

J. LONSDALE CAPREOL,

Clerk, Executive Council.

**TREASURY BOARD OVER-RULINGS.**

49 *Vic.*, *Cap.* 4, *Sub-Sec.* 4.

Memo. for the Treasurer *re* Improvement of highways,  
County of Wentworth.

Attention is respectfully called to Section 8, of 1 Edw. VII. c. 32, which states that a municipality shall be entitled to receive out of monies set apart for public highways, an amount equal to one-third of the cost of the work—but not to exceed the proportion of the appropriation to which such municipality is entitled. (This latter clause is also repeated in Section 76, of 4 Edw. VII. c.10). It has not been shewn in any way that the aid proposed to be granted to the County of Wentworth, is the proportionate amount of the appropriation to which that county is entitled, and until this is established in some equitable way, or the Act further amended, I do not feel that I would be justified in countersigning a cheque.

C. H. SPROULE,  
Provincial Auditor.

HON. GEO. W. ROSS,  
Treasurer of Ontario.

---

Copy of a Minute of the Treasury Board, dated the 28th day of November, 1904.

The Treasury Board report that an Order-in-Council was made on the 2nd day of November, 1904, authorizing the payment under the authority of "The Act for the Improvement of Public Highways" of \$24,155.64, to the Treasurer of the County of Wentworth being the balance of one-third of the expenditure of \$130,866.83, expended by the said County during the years 1902, 1903, and 1904 under by-law No. 476 of the said Municipality which said by-law has been approved of by the Lieutenant-Governor-in-Council under the provisions of section 4, Cap. 26. 3 Edward VII. The Provincial Auditor doubts his authority to countersign a cheque for the payment of the said balance to the said County of Wentworth, as he thinks it is not clear that the aid proposed to be granted to the County of Wentworth is the proportionate amount of the appropriation to which said municipality is entitled. By Section 7, of the Act of 1901, for the Improvement of Public Highways it is provided that the road mileage to be designated and assumed thereunder shall nearly as practicable be in proportion to the assessed area of each county, and a schedule showing the amount of aid according to area each



County of the Province was entitled to was approved of by Order-in-Council of the 20th of February, 1903. The above section 7, however, has since been repealed by section 3, Cap. 26, 3 Edward VII. and the Schedule above referred to is not now applicable. Under the circumstances the Treasury Board direct that a cheque for the amount of the said balance be issued to the Treasurer of the County of Wentforth forthwith.

Certified,

J. LONSDALE CAPREOL,  
Clerk, Treasury Board.

---

### **TEMISKAMING AND NORTHERN ONTARIO RAILWAY.**

Pending the negotiation of the bonds of above railway, Treasury Bills for £1,200,000 sterling, issued for six months, ending 15th May, 1905, under authority of an Order-in-Council, have been sold and the net proceeds, \$5,706,487.49, placed to the credit of the Commission.

C. H. SPROULE,  
Provincial Auditor.

PROVINCIAL AUDITOR'S OFFICE,  
Toronto, March 9th, 1905.

---





---

---

MISCELLANEOUS STATEMENT.

---

---

**No. 1.**  
Balance Sheet, showing the Receipts and Payments of the Treasurer of Ontario during the year 1904, with the Cash Balances on the 1st of January and 31st of December.

Receipts.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.
To Balance from Public Accounts, 1903.....					151,179	00				
<b>CONSOLIDATED REVENUE FUND.</b>										
From Dominion of Canada:										
Subsidy on population.....	1,116,872	80							344,006	28
“ 47 Vic. c.4.....	142,414	48							200,011	14
Special grant.....	80,000	00							482,460	67
Less <i>vs</i> Yule Bridge award	1,339,287	28							949,806	78
	24,026	75							950,434	04
Interest paid by Dominion, see statement No. 5, 167,791.30									19,889	54
Less interest paid by Ontario for twelve months ended 31st December, 1904, on balance of account current with Dominion from Confederation to date as finally adjusted. 72,319.44			1,314,660	53					446,481	22
									236,592	75
									71,836	88
									15,947	88
									175,620	74
									286,844	69
									1,804	40
									14,601	89
									1,306	48
									509	56
									16,217	93
									139,007	17
									4,336,562	51
<b>Open Accounts.</b>										
For Asylum for Insane, Toronto.....									7,574	80
“ “ Minico.....									5,289	41
“ “ London.....									22,242	38
“ “ Hamilton.....									9,906	70
“ “ Kingston.....									12,807	16
“ “ Brockville.....									7,898	97
“ “ Colborne.....									4,750	00
“ “ Woodstock.....									50,305	37
“ “ Penetang.....									40,725	14









No. 2.  
OPEN ACCOUNTS.  
STATEMENT OF BALANCE OF OPEN ACCOUNTS, 31ST DECEMBER, 1904.

	\$	c.	\$	c.
Current balance, Bank of Commerce.....	24,872	04		
Bank of Toronto.....	4,180	60		
Bank of Hamilton.....	14,092	30		
Imperial Bank.....	4,676	02		
Ontario Bank.....	2,210	66		
Traders Bank.....	40,959	16		
Union Bank.....	12,463	18		
Sovereign Bank.....	17,409	37		
Metropolitan Bank.....	388	41		
Standard Bank.....	7,588	62		
Bank of Ottawa.....	472	42		
Royal Bank.....	8,338	69		
Quebec Bank.....	4,392	93		
Merchants Bank.....	18,685	83		
Bank of B. N. A.....	2,867	53		
Dominion Bank.....	10,953	31		
	144,551	07		
Bank of Montreal, balance due bank.....	2,262	11	142,288	96
Special deposits, Imperial Bank.....	528,042	59		
Bank of Commerce.....	395,000	00		
Ontario Bank.....	343,575	00		
Bank of Hamilton.....	325,000	00		
Bank of Ottawa.....	250,000	00		
Metropolitan Bank.....	250,000	00		
Traders Bank.....	242,700	00		
Sovereign Bank.....	143,450	00		
Quebec Bank.....	75,000	00		
Bank of Toronto.....	53,028	00		
Union Bank.....	35,000	00		
Standard Bank.....	25,000	00		
Merchants Bank.....	20,000	00		
Royal Bank.....	15,000	00		
Dominion Bank.....	12,500	00	2,713,295	59
Consolidated Fund.....			17,867,636	03
Municipal Loan Fund.....			1,659,125	85
Common School Fund.....			1,029,402	67
Municipalities Fund.....			3,133	04
Railway Fund.....			400,162	35
Annuities.....			549,979	27
Dominion of Canada.....			500,000	00

Dominion of Canada.....	72,717 76
Surplus distribution.....	3,388,777 47
Railway aid.....	3,956,335 36
Grant to Provincial University.....	160,000 00
University of Toronto (1 Edward VII., sec. 16, cap. 41.).....	65,725 75
Toronto General Hospital.....	4,000 00
Good Roads, Edw. VII., cap. 32.....	91,527 51
Trinity Medical Building.....	12,022 95
Stationery Account.....	7,330 82
Drainage, 63 Vic., cap. 8.....	50,007 53
Drainage Assessment Fund.....	2,332 64
Drainage Debentures.....	53,111 73
The Drainage Debentures.....	75,359 30
Brookville Asylum.....	497,984 84
Hamilton Asylum.....	917,135 01
Kingston Asylum.....	503,080 11
London Asylum.....	1,015,831 23
Mimico Asylum.....	628,870 63
Orillia Asylum.....	558,482 44
Toronto Asylum.....	390,436 67
Cobourg Asylum.....	120,941 95
Woodstock Asylum.....	58,471 97
Institution for the Blind.....	286,132 00
Institution for Deaf and Dumb.....	339,652 39
Andrew Mercer Reformatory.....	163,384 72
Reformatory for Boys, Penetang.....	187,879 16
Penetanguishene Asylum.....	40,725 14
Central Prison.....	878,007 13
Old Parliament Buildings.....	102,306 49
New Parliament Buildings.....	1,334,355 18
Government House.....	163,726 48
Normal School, Ottawa.....	230,780 44
Normal School, Toronto.....	226,704 07
Normal School, London.....	100,798 23
Ontario Normal College, Hamilton.....	854 25
School of Practical Science.....	561,991 21
Osgoode Hall.....	123,062 85
Agricultural Hall.....	324 00
Agricultural College.....	614,999 67
Western Dairy School.....	14,583 71
Kingston Mining and Dairy School.....	21,092 70
Agricultural Farm, Mimico.....	27,618 85
Pioneer Dairy Farm.....	5,178 43

Carried forward

20,927,261 35

22,009,439 21

No. 2 STATEMENT of Balance of Open Accounts 31st December, 1904. *(Continued.)*

	\$	c.	\$	c.
<i>Brought forward</i> .....	20,927	261	22,000	139 21
Lake Scoug Flats Rd .....	1,500	00		
Kushog Lake Dam .....	300	00		
High Falls Dam .....	7,343	07		
Pigeon River Dam .....	2,363	00		
Lake of Bays Works.....	581	82		
Georgian Bay Works.....	6,758	70		
Mary and Fairy Lake Works.....	79,937	12		
Balsam and Cameron Lake Works.....	40,544	13		
Muskoka Lake Works.....	30,636	38		
Muskoka River Works.....	71,817	99		
Collib Lake Works.....	1,102	08		
Muskatar River Improvement.....	1,861	98		
Union Creek Improvement.....	1,050	63		
Head River Works.....	976	82		
River Beaudette Works.....	3,000	00		
Madawaska River Works.....	12,171	43		
Missisquoi River Works.....	9,345	78		
Bottle Lake Dam .....	4,068	72		
Mississippi River Works.....	4,730	71		
Otonabee do .....	11,662	91		
Scoug do .....	93,569	40		
Talbot do .....	605	95		
Squaw do .....	2,269	72		
Pennechere do .....	338	50		
Gul and Bunt do .....	100,709	90		
Stony Creek Works.....	4,826	68		
Nation River Works.....	19,877	23		
Nogies do .....	2,114	57		
Peninsula do .....	34,993	02		
Obstructions in navigable streams.....	1,297	19		
Magnatawan River Works.....	15,755	15		
Deer Lake Works.....	1,420	17		
Bridge Portage du Fort.....	5,500	00		
Mill Creek Works.....	1,000	00		
Southampton Pier.....	3,461	67		
Port Elgin Pier .....	1,750	00		

Shoal Lake Works.....	1,998 25
Lock at Young's Point.....	300 00
Lock at Magnetawan.....	56,425 30
Star Lake Improvement.....	412 22
Whitnigg River Dam.....	4,000 00
Payne River Improvement.....	4,000 00
Inkerman Dam Works.....	1,000 00
Ash Rapids Dam.....	800 00
Petewawa Bridge.....	3,879 25
Moose River Channel.....	1,000 00
Manitou Lake Dam.....	2,794 14
Chemong Lake Bridge.....	3,500 00
Bear Creek Works.....	1,617 52
Bridge Township Cambridge.....	1,000 00
Sturgeon River Works.....	3,616 08
Indian Point Bridge.....	2,598 61
MacKenzie Creek Works.....	• 200 35
Rainy River Locks.....	3,163 44
Rainy River Bridge.....	4,429 84
Wabigoon Docks.....	770 95
Cashmere Dam.....	1,000 00
Des Jochim Rapids.....	4,000 00
Mathwin River Works.....	500 00
Wabiz Creek Bridge.....	5,873 92
Indian River Works.....	1,850 82
Snake River Works.....	140 65
Buck Lake Bridge.....	305 06
Stanley Bridge.....	8,136 00
Black River Works.....	3,136 10
Black River Bridge.....	2,000 48
Bass Lake Works.....	1,141 19
Prontenac Bridge.....	3,272 16
Eagle Lake Works.....	1,173 81
Blind River Works.....	2,710 37
Lake of the Woods Steel Bridge.....	24,949 02
Kimnont Bridge.....	1,500 00
Gannon Narrows Bridge.....	1,000 00
White Fish River Works.....	249 15
Jean Baptiste Bridge.....	2,948 31
Brook's Monument and Shelter Buildings.....	2,356 22
Ryerson Swing Bridge.....	1,895 06
Saginaw River Bridge.....	3,754 00
Wawa River Bridge.....	1,498 39
<i>Brought forward</i> .....	21,481,140 55

22,000,439 21

No. 2 STATEMENT of Balance of Open Accounts 31st December, 1904—*Concluded.*

	\$	c.	\$	c.
<i>Brought forward</i> .....	21,681,140	55		
Cassimir Creek Bridge .....		30 56		
Ahmic Lake Works .....		5 67		
Bridge West Arm Nipissing .....	3,651	34		
LaBlanche Bridge .....	2,929	87		
Children's Shelter .....	7,012	35		
Wastdale Bridge .....	1,000	00		
North River Works .....	258	37		
Round Lake Bridge .....		19 00		
Severn Bridge .....	2,500	00		
Wahnapitac Bridge .....	4,642	49		
Calabogie Bridge .....	800	00		
Sunday Creek Bridge .....	603	00		
Echo River Bridge .....	1,332	11		
Burk's Falls Dock .....	542	79		
Baysville Bridge .....	2,047	50		
Delta Creek Works .....		99 24		
Registry Office and Lock-up, etc., Algoma District .....	77,039	28		
Muskoka do. ....	27,191	13		
Nipissing do. ....	57,937	80		
Parry Sound District .....	37,056	81		
Thunder Bay do. ....	51,438	76		
Rainy River do. ....	47,931	79		
Haliburton do. ....	2,168	80		
	\$22,009,439	21		
<i>Brought forward</i> .....			22,009,439	21

PROVINCIAL AUDITOR'S OFFICE,  
TORONTO, MARCH 9TH, 1905.

C. H. SPROULE,  
Provincial Auditor.





No. 4.  
INVESTMENT ACCOUNT.

To whom paid.	Nature of investment.	Amount.		Amount.		Amount.	
		\$	c.	\$	c.	\$	c.
Sundry banks .....	Amount of special deposits 31st December, 1903.	305,000	00	1,843,500	00		
Bank of Ottawa .....	Special deposits made up to 31st December, 1904.	138,028	00				
Bank of Toronto .....	do	685,000	00				
Bank of Commerce .....	do	385,000	00				
Bank of Hamilton .....	do	389,000	00				
Bank of Montreal .....	do	283,675	00				
Ontario Bank .....	do	125,000	00				
Standard Bank .....	do	527,700	00				
Traders Bank .....	do	102,500	00				
Union Bank .....	do	183,450	00				
Sovereign Bank .....	do	200,000	00				
Metropolitan Bank .....	do	75,000	00				
Dominion Bank .....	do	65,000	00				
Royal Bank .....	do	868,523	59				
Imperial Bank .....	do	365,000	00				
Merchants Bank .....	do	55,000	00				
Bank of British North America .....	do	145,000	00	4,897,876	59		
Quebec Bank .....	do			6,741,376	59		
	Less amount drawn to meet current expenditure:						
Bank of Ottawa .....	Bank of Ottawa .....	505,000	00				
Bank of Toronto .....	Bank of Toronto .....	560,000	00				
Bank of Commerce .....	Bank of Commerce .....	420,000	00				
Bank of Hamilton .....	Bank of Hamilton .....	175,000	00				
Bank of Montreal .....	Bank of Montreal .....	464,000	00				
Ontario Bank .....	Ontario Bank .....	163,100	00				
Standard Bank .....	Standard Bank .....	100,000	00				
Traders Bank .....	Traders Bank .....	340,000	00				
Union Bank .....	Union Bank .....	67,500	00				
Sovereign Bank .....	Sovereign Bank .....	50,000	00				
Metropolitan Bank .....	Metropolitan Bank .....	80,000	00				
Dominion Bank .....	Dominion Bank .....	84,500	00				
Royal Bank .....	Royal Bank .....	60,000	00				
Imperial Bank .....	Imperial Bank .....	468,981	00				
Merchants Bank .....	Merchants Bank .....	365,000	00				

Bank of British North America.....	55,000 00		
Quebec Bank ..	70,000 00		
		4,028,081 00	
Interest-bearing securities held by the Province:			
Drainage loans.....			2,332 64
do debentures.....			53,111 73
Title drainage Debentures .....			75,359 30
Municipal Debentures.....			25,572 50
			2,869,671 76

PROVINCIAL AUDITOR'S OFFICE,  
 TORONTO, March 9th, 1905.

C. H. SPROULE,  
 Provincial Auditor.

No. 5.

INTEREST ACCOUNT.

Statement of interest received during year ended 31st December, 1904.

From whom received.	Nature of Investment.	Amount.		Total.	
		\$	c.	\$	c.
Hon. Minister of Finance, Ottawa.....	Interest on Trust Funds:	15,638	46		
	U. C. Grammar School Fund..... \$312,769.04 @ 5% for 12 months..	73,619	57		
	U. C. Building Fund..... 1,472,391.41 @ 5% ..	6,234	25		
	Land Improvement Fund..... 124,685.18 @ 5% ..				
	Common School Fund:				
	\$1,455,084.90 @ 5% for 12 months.....\$72,754.24				
	5,568.30 @ 5% } Interest on Ontario's proportion 215.47				
	4,526.13 @ 5% } of collections 1902 and 1903 40.32				
	paid over in 1903 and 1904.....				
	73,010.03				
	Less 1% in reduction of interest <i>in</i> collections by Ontario 1898 and 1899, \$70,795.77 .....	72,302	08	167,794	86
				5,593	93
				1,242	28
Sundry municipalities.....	Interest on drainage loans and debentures .....			1,266	47
Sundry persons .....	Interest on overdue Succession duty.....			197	81
	Interest on funds deposited with Provincial Treasurer in lieu of bond for payment of Succession duty .....			19,513	62
	Interest on overdue fees .....				
	Interest on temporary advances.....				
	Interest on special deposits.....				
	do .....	5,319	39		
	do .....	6,460	15		
	do .....	5,723	72		
	do .....	1,200	44		
	do .....	2,927	22		
	do .....	1,500	80		
	do .....	969	85		
	do .....	8,335	67		
	do .....	5,641	90		
	do .....	1,676	70		
Teniskaming and Northern Ontario Railway .....					
Metropolitan Bank.....					
Traders Bank .....					
Ontario Bank .....					
Dominion Bank .....					
Merchants Bank .....					
Union Bank.....					
Royal Bank .....					
Imperial Bank.....					
Sovereign Bank.....					
Standard Bank.....					

Bank of Toronto.....	4,952 39
do .....	6,783 97
Bank of Commerce.....	5,446 74
Bank of Hamilton .....	7,935 48
Bank of Ottawa.....	3,707 94
Bank of Montreal.....	572 85
Bank of British North America .....	1,050 79
Quebec Bank .....	67,606 00

	263,214 47
<i>Deduct payments and refunds:</i>	
Interest on balance of Account current with Dominion, from Con- federation to date, as finally adjusted.....	72,319 44
Interest on funds deposited with Provincial Treasurer in lieu of bond for payment of Succession duty .....	1,332 91
Refund of Interest on drainage over-payments by sundry municipalities	184 21
	73,836 56
	189,377 91

PROVINCIAL AUDITOR'S OFFICE,  
Toronto, March 9th, 1905.

C. H. SPROULLE,  
Provincial Auditor.

No. 6.

EDUCATION REVENUE.

STATEMENT OF RECEIPTS OF THE Education Department during twelve months ended December 31st, 1904.

	Particulars.	Amount.	Total.
Normal and Model Schools, Toronto	Fees from Normal, Model and Kindergarten students and pupils	12,023 00	
do do Ottawa	do do do	7,175 00	
do School, London	do School students	1,014 00	20,212 00
Departmental Examinations	Examination fees and appeals		15,267 00
Normal College	Fees from students		2,775 00
Superannuated Teachers	Subscriptions, 1905		934 75
Miscellaneous	Sale of School Acts, waste paper, etc		396 64
Refund	Public School No. 4, Ryde	75 00	
	do 4, Ferris	50 00	125 00
School of Practical Science	Student's fees, 1903	12,178 00	
do do	Student's fees, 1904	28,515 60	40,693 60
			£0,404 59

PROVINCIAL AUDITOR'S OFFICE,  
 TORONTO, March 9th, 1905.

C. H. SPROULE,  
 Provincial Auditor.



## No. 7.

## STATEMENT OF REVENUE from Agriculture during twelve months ended December 31st, 1904.

	\$	c.	\$	c.	\$	c.
<b>AGRICULTURAL COLLEGE:</b>						
<b>College Department:—</b>						
Students' fees	3,844	07				
Board of students	14,977	68				
Supplemental examinations	55	00				
Rent of post office boxes	38	00				
Fines and breakages	173	25				
Booklets sold	7	25				
Incidentals	11	07				
			19,106	32		
<b>Macdonald Institute:—</b>						
Students' fees	2,716	65				
Board of students	4,098	84				
			6,815	49		
<b>Chemical Laboratory:—</b>						
Sale alkaline	34	00				
do solution	2	00				
do acid	11	25				
Analysis city water	8	00				
do milk	4	00				
Sale old metal	3	00				
do iron pipe	16	12				
			78	37		
<b>Farm Department:—</b>						
Sale of 12 cattle	542	00				
do 16 pigs	156	00				
do 14 sheep	70	25				
do 3 sows, 1,250 lbs., at 3½c	40	62				
do 19 steers, 26,650 lbs., at 4c and 5c	1,318	80				
do 881 lbs. pork at 6½c	59	46				
do 224 lbs. lamb at 8c	17	92				
do 3,925 lbs. beef at 8c	314	00				
do 3 lamb skins at 1.00	3	00				
do beef hides, 418 lbs., at 6½c and 7½c	30	25				
do 288 lbs. wool at 12c	34	56				
do hogs, 31,784 lbs., at 4.65 to 5.60 cwt 1.562.07						
Less freight charges	16	00				
	1,546	07				
Sale of 69½ bus. barley at from 60c to 75c	49	88				
do 121 1-5 bus. oats at from 35c to 50c	49	03				
do 35 bus. 10 lbs. wheat at from 1.01 to 1.10	35	97				
do 153 bags 200 lbs. potatoes at from 35c to 1.20	123	45				
do 51 bus. potatoes at 75c	38	00				
do 2 loads hay at 5.00	10	00				
do 34 bags at 20c	6	80				
do farm milk	3	56				
do old hay tedder	5	00				
do old tank	2	00				
Loss on stock used in slaughter test	43	83				
Service of animals	151	50				
			4,651	95		
<b>Dairy School Department:—</b>						
Fees	79	00				
Sale of 17,738½ lbs. butter at from 13c to 24c	3,939	07				
do 5,736 lbs. cheese at from 9c to 11c	574	39				
do grade calf	2	00				
do 1,260 qts. milk at 4c	50	40				
do 209 lbs. milk at 1.60 cwt	3	36				
do 6 qts. cream at 20c and 25c	1	25				
do 113.3 cream at 85c	96	30				
do 2 old testers	2	50				
do whey	10	00				
Breakages	8	10				
			4,766	37		
<b>Dairy Department:—</b>						
Sale of 50,750 lbs. butter at from 13c to 26c	9,750	34				
do 9,915½ lbs. cheese at from 8½c to 11c	997	92				
do 3,178½ qts. milk at 4c	127	15				
do 10,256½ lbs. milk at from 1.00 to 1.60 cwt	130	80				
do 106½ gals. cream at from 60c to 80c	72	30				
do 4 qts. cream at 20c		80				
do cattle:						
11 cows	325	00				
18 calves	148	50				
do hides	11	50				
do old churn and iron	1	15				
do old papers		90				
do old iron		25				
Resident fees	7	00				
			11,573	61		

No. 7.—Continued.

STATEMENT OF REVENUE from Agriculture.—Concluded.

	\$	c.	\$	c.	\$	c.
<b>Horticultural Department:—</b>						
Sale of cut greens .....		50				
do vegetables .....		2 15				
				2 65		
<b>Poultry Department:—</b>						
Sale of 1,815½ lbs. poultry at from 8c to 15c .....	212	34				
do 13 dressed birds .....		6 30				
do 626 lbs. chicken at from 12c to 15c .....		75 81				
do 12 chickens .....		6 05				
do 245 live birds .....	308	50				
do 36 prs. ducks at from 1.00 to 1.60 .....	39	00				
do 3 prs. chickens at 1.50 .....		4 50				
do 3 ducks .....		4 00				
do 516 doz. eggs at from 12c to 35c.....	106	31				
do 21 doz. eggs at 12c to 15c .....		2 87				
do 114 5-12 settings eggs .....	141	00				
				906 68		
					47,901	44
<b>EASTERN DAIRY SCHOOL:</b>						
Sale of butter, 31,998 lbs., at from 19½c to 25c .....			7,042	76		
do cheese, 11,239 lbs., at from 8½c to 10c .....			1,017	35		
do cream .....				2 50		
do skim milk .....				70 04		
Students' fees .....				143 00		
					8,275	65
<b>WESTERN DAIRY SCHOOL:</b>						
Students' fees .....				40 00		
Sale of old rope .....				2 00		
do old weighing cans .....				5 00		
do separator oil .....				70		
do thermometers .....				1 20		
do churn .....				10 00		
				58 90		
Less overpaid 1903 .....				9 24		
					49	66
<b>PIONEER FARM:</b>						
Sale of milk .....			119	88		
do grain and hay .....			262	75		
do vegetables .....			235	38		
do beef and hide .....			110	12		
do pigs .....				8 25		
do poultry .....				1 30		
do timothy seed .....				4 50		
Service of animals .....				20 00		
					762	18
					56,968	93

PROVINCIAL AUDITOR'S OFFICE,  
TORONTO, March 9th, 1905.

C. H. SPROULE,  
Provincial Auditor.

## No. 8.

STATEMENT OF REVENUE received from Fisheries Department during the year ended  
31st December, 1904.

District.	Name.	Amount.	Total.
		\$ c.	\$ c.
Lake Nepigon	McKirdy, William	1,075 00	
Lake of the Woods and Rainy River District	Nash, John	989 00	
	Perry, John	40 00	
	Guerord, Alex.	20 00	
Lake Superior	McComber, Alex	1,605 00	
	VanNorman, R. M.	1,605 00	
Lake Huron, North Channel	Oliver, Richard	4,767 00	
Georgian Bay	Howard, Patrick	335 00	
	Johnson, J. A.	266 25	
	Labatt, Felix	30 00	
	Pratt, William	114 00	
	Stephens, James	130 00	
	Waddell, Adam	533 00	
	Free, John	15 00	
Lake Huron (proper) and River St. Clair	Miller, B. B.	135 00	
	McAnlay, M. A.	357 00	
	Stewart, Neil	76 00	
	Yates, James	572 00	
Lake St. Clair, Thames River, and Detroit River	Steed, James	3,666 00	
	Allan, Orlando	320 00	
	Cousineau, J. B.	1,080 60	
	Stephens, John E.	291 50	
	McRitchie, James	100 50	
	Crotty, John	3 00	
Lake Erie and Grand River	Corsant, Arthur	5 00	
	Lamarsh, Peter	2,576 65	
	Laird, J. K.	4,915 00	
	Stewart, William	1,890 00	
	Wonnacott, C. W.	4,075 00	
	McCall, George D.	1,827 00	
	Farrell, John	638 00	
	Couper, A.	1,007 00	
	Ellis, Joseph	416 00	
	Peirsall, T. H.	3 00	
Lake Ontario	Johnson, Henry	10 00	
	Hadgraft, Robert	425 00	
	Ogg, Charles	291 00	
	Sargent, William	105 00	
	Walker, R. J.	47 00	
	Wood, W. R.	133 00	
	Willis, J. M.	35 00	
	Freeman, Sylvanus	136 50	
	Clark, Marshall	169 00	
	Cattanach, Donald	310 00	
	Sheppard, H. M.	20 00	
Bay of Quinte	Godwin, W. H.	236 00	
	McCargar, J. K.	230 00	
	Roblin, W. D.	139 00	
	Rennie, John	104 00	
Counties:—Frontenac, Leeds, Prescott, Russell, Carleton, Renfrew, Lanark, Grenville.	Clyde, George	160 00	
	Craig, William	16 00	
	Flynn, Robert	40 00	
	Donaldson, W. J.	5 00	
	Bilton, George	120 00	
	Norris, T. B.	5 00	
	Flood, A. J.	96 00	
	O'Connor, C. J.	80 00	
	Mair, David	30 00	
	Duchesene, Hertel	35 50	
	Loveday, E. T.	7 00	
	Barr, Henry	34 00	
	Taylor, Charles	11 00	
	Goulette, O. V.	15 00	
	Welsh, W. J.	15 00	
	Smith, P. T.	70 00	
	Sears, J. L.	32 00	
	Woodruff, Jno.	24 00	
	Barstow, J. D.	5 00	
	McGowan, J. J.	75 00	
	Carried forward	39,098 50	

No. 8.

Statement of Revenue.—*Concluded.*

District.	Name.	Amount.	Total.
		\$ c.	\$ c.
	<i>Brought forward</i>	39,098 50	
Peterborough, Northumberland, Victoria, and other inland counties.	Brady, Nicholas . . . . .	14 00	
	Brown, John . . . . .	5 00	
	Gillespie, C. S. . . . .	272 00	
	Myers, James . . . . .	10 00	
	Johnstone, Francis . . . . .	3 00	
	Moore, F. J. . . . .	25 00	
	Trotter, Alex. . . . .	53 00	
	McIntyre, A. W. . . . .	60 00	
	Nicholls, Thomas . . . . .	18 00	
	Lynch, E. J. . . . .	3 00	
	Stewart, J. W. . . . .	18 00	
	Skeen, Alex. . . . .	17 00	
	VanLoven, H. M. . . . .	1 00	
	Yelland, J. H. . . . .	1 00	
River St. Lawrence . . . . .	Blondin, Isaac . . . . .	6 75	
Lake Simcoe . . . . .	Driscoll, John . . . . .	20 00	
	McNabb, Duncan . . . . .	17 50	
Muskoka . . . . .	McNiven, D. . . . .	10 00	
Nipissing . . . . .	Smith, William . . . . .	15 00	
	Armstrong, John . . . . .	2 <sup>00</sup> 00	
Unclassified . . . . .	Legault, H. M. . . . .	8,700 00	
Lease of Lakes . . . . .		4 50	
		1 00	
Refunds on account of Revenue:—			48,385 25
W. H. Oldfield, 1903 . . . . .	Simcoe County, Refund . . . . .	2 11	
Hector Rozel, 1903 . . . . .	Lake Huron North Channel Refund . . . . .	250 00	
James Noble, 1903 . . . . .	Lake Huron North Channel Refund . . . . .	250 00	
			502 11
			47,883 14

PROVINCIAL AUDITOR'S OFFICE,  
TORONTO, March 9th, 1905.

C. H. SPROULE,  
Provincial Auditor.

No. 9.

STATEMENT OF RECEIPTS OF THE SECRETARY'S DEPARTMENT DURING TWELVE MONTHS ENDED 31st DECEMBER, 1904.

From Whom Received.	Service.	\$	c.
Provincial Secretary's Department .....	Letters Patent, Licenses, etc. .... \$83,877 95 Less refunded Stratton Public Hall Co. .... 75 00	83,802	95
	Returns from Companies .....	9,835	50
	Marriage Act Forms .....	3,705	20
	Notarial Commissions .....	758	15
	Commissions under Great Seal .....	837	90
	Certificates .....	133	00
	Searches .....	375	90
	Automobile Licenses, etc. ....	1,282	00
	By-laws .....	321	31
		101,051	91
Provincial Registrar's Office .....	5 Exemplification of Patent .....	41	25
	46 Certified Copies Patent. ....	115	00
	160 Searches .....	40	00
	Certificates .....	20	50
		216	75
Registrar-General's Branch .....	307 Certificates of Birth .....	133	50
	125 do Marriage .....	62	50
	281 do Death .....	140	50
	1,272 Searches .....	318	00
		674	50
		101,943	16

PROVINCIAL AUDITOR'S OFFICE,  
TORONTO, March 9th, 1905.

C. H. SPROULE,  
Provincial Auditor.



No. 10.

ALGOMA TAXES REVENUE.

STATEMENT showing the several amounts received by the Treasurer of Ontario on account of TAXES ON PATENTED LANDS in the District of Algoma, Thunder Bay, and Rainy River during the year ended 31st December, 1904.

From whom Received.	Service.	Amount.	Total.
Austin, Mrs. W. A. ....	On account of taxes.....	\$ 4 00	
Albin, Martin H. ....	do .....	19 35	
Ackerman, G. L. ....	do .....	58	
Amory, W. N. ....	do .....	3 82	
Adams, Cuyler ....	do .....	5 55	
Armour & Mickle .....	do .....	2 00	
Allison, Mrs. Isabella .....	do .....	1 38	
Bradford, I. H. ....	do .....	40	
Black, D. Allan .....	do .....	12 16	
Bergenthal, William .....	do .....	68	
Boswell, A. R. ....	do .....	2 40	
Bird, John P. ....	do .....	1 62	
Bliss, A. P. ....	do .....	5 24	
Bearinger, Isaac .....	do .....	13 80	
Binswanger, H. P. ....	do .....	3 28	
Boyce & McPhail .....	do .....	4 77	
Brewster, C. E. ....	do .....	3 42	
Bruce, A. C. ....	do .....	16 05	
Beatty & Co. ....	do .....	135 32	
Baker, Alfred .....	do .....	3 04	
Bevan, Mrs. O. T. ....	do .....	4 79	
Ballentine, A. R. ....	do .....	39 59	
Beck, H. H. ....	do .....	8 84	
Brent, Good .....	do .....	13 48	
Bradley, H. M. ....	do .....	66	
Braden, F. B. ....	do .....	6 40	
Call, Byron N. ....	do .....	1 70	
Clarke, Gray & Baird .....	do .....	187 88	
Cook, J. E. ....	do .....	6 49	
Campbell, Colin .....	do .....	3 43	
Conlou, J., and D. Kelly .....	do .....	214 76	
Conlon, Thomas .....	do .....	2 50	
Carpenter, Mina A. ....	do .....	97 17	
Cochrane, John C. ....	do .....	5 61	
Clarke, H. C. ....	do .....	8 14	
Cassils, Charles .....	do .....	2 30	
Canadian Pacific Railway .....	do .....	20 28	
Cockburn, Mrs. Isaac .....	do .....	76	
Colvin, W. W. ....	do .....	11 72	
Candler, H. & J. ....	do .....	3 08	
Craufurd, Sir Charles .....	do .....	4 80	
Cook & Bros. Lumber Co. ....	do .....	11 16	
Cronsted Mining Co. ....	do .....	185 34	
Canadian Copper Co. ....	do .....	36 54	
Christie, Robert .....	do .....	90	
Delaney Estate, Thomas .....	do .....	15 66	
Davis, Henry A. ....	do .....	2 77	
Deschamps, P. ....	do .....	1 32	
Danforth, Mrs. G. ....	do .....	1 60	
Eschweiler, Franz C. ....	do .....	13 00	
Eastman, Arthur M. ....	do .....	74 67	
Fletcher Bros. ....	do .....	12 38	
Falk, David. ....	do .....	2 00	
Ferguson, P. ....	do .....	39	
Felt, Anna E. ....	do .....	6 17	
Fraser, John .....	do .....	2 51	
Frees, H. J. ....	do .....	5 08	
Goetz, Alvis .....	do .....	5 48	
Gurofski, D. ....	do .....	79	
Grant, Mrs. J. M. ....	do .....	68	
Griswold, F. A. ....	do .....	83	
Gilman, John C. ....	do .....	13 76	
Gay, J. E. ....	do .....	6 28	
Gall, James .....	do .....	3 36	
Grant, Geo. J. ....	do .....	33 61	
Carried forward.....		1,319 52	



No. 10.

ALGOMA TAXES REVENUE.---Continued.

From whom received.	Service.	Amount.	Total.
<i>Brought forward</i> .....		\$ c. 1,319 52	
On account of taxes .....		779 41	
Gwynne, W. D. ....	do	14 09	
Gorham, T. A. ....	do	56	
Graham, T. A. ....	do	85	
Goodell, R. R. ....	do	3 09	
Getty, William ....	do	8 88	
Higginson, H. L. and Thos. H. Sheppard..	do	208 86	
Hunter, J. H. ....	do	9 35	
Hunter, J. H. ....	do	1 74	
Hall, E. J. ....	do	94	
Hartford, G. M. & D. Co .....	do	66	
Harris, Theodore S. ....	do	22 93	
Huronian Co. ....	do	10 63	
Heck, Mrs. M. A. Executrix .....	do	286 86	
Hewson, C. E. ....	do	1 55	
Harris, Harold ....	do	336 04	
Hearst, McKay & Darling .....	do	30 19	
Huntington, W. W. ....	do	19 92	
Hunter, W. H. ....	do	8 86	
Humble, J. W. ....	do	1 65	
Inglis, W. J. ....	do	1 60	
Ionson, William .....	do	320 99	
Jackes, C. B. ....	do	22 27	
Johnson, Charles J. ....	do	2 71	
Johnson, J. E. ....	do	17 59	
Jackson Estate, D., Jr. ....	do	69 51	
Jackes & Jackes .....	do	8 40	
Jenkins, Thomas .....	do	52	
Jones, Edward G. ....	do	13 53	
Jones, A. E. ....	do	11 06	
Jack, Lake G. M. Co. ....	do	9 51	
Keating, W. J. ....	do	70	
Kirk Estate, William .....	do	1 29	
Krause, H. C. ....	do	1 61	
Krause, C. H. ....	do	45 21	
Kerr, Bull & Shaw .....	do	1 44	
Loudon, Robert .....	do	3 76	
Lindsay, T. ....	do	14 12	
Litchfield, W. ....	do	10 53	
Langworthy & McComber .....	do	2 00	
Leech, Harlan E. ....	do	8 09	
Leys, Helen .....	do	15 30	
Lye, Henry .....	do	21 48	
Mingaye, W. R. ....	do	30 30	
Murphy, Sale & O'Connor .....	do	2 61	
Murphy, James .....	do	9 79	
Munro, Hugh .....	do	2 88	
Mariposa Mining Co. ....	do	5 05	
Morley, M. T. ....	do	80	
Marvin, Mrs. P. S. ....	do	1 52	
Mitchell, E. ....	do	5 42	
Moore, G. S. ....	do	4 00	
Murdoch, F. W. ....	do	10 47	
Mitchell, W. S. ....	do	3 62	
Maxwell, Rolph .....	do	7 66	
Machell, H. T. ....	do	38 23	
Macdonell, A. J. ....	do	44 60	
Montgomery, Fleury & Montgomery .....	do	27 10	
McArthur Bros. Lumber Co. ....	do	141 85	
McPherson, Clark, Campbell & Jarvis ..	do	534 00	
McCabe Estate, William .....	do	7 90	
McCutcheon, S. J. ....	do	12 85	
McCharles, A. ....	do	90	
McNaughton, John .....	do	4 09	
McDonald, Shepley & Co. ....	do	386 17	
McIntosh, A. ....	do	15 33	
McGee, James C. ....	do	4 80	
Mason, Joseph .....	do	12 12	
Nairn, J. J. ....	do	12 12	
<i>Carried forward</i> .....		4,983 86	

## No. 10.

## ALGOMA TAXES REVENUE.---Continued.

From whom received,	Service.	Amount.	Total.
<i>Brought forward</i> .....	.....	\$ c. 4,983 86	\$ c.
Northern Lights Mines Co. ....	On account of taxes .....	9 72	
Notman Estate, John .....	do .....	76	
New York Ontario G. M. Co. ....	do .....	23 47	
Palms Estate, Francis .....	do .....	3 20	
Paradis, R. A. ....	do .....	7 06	
Plummer, W. H. & Co. ....	do .....	19 18	
Petrie, A. B. ....	do .....	25	
Price, Richard .....	do .....	1 59	
Parsons, Helen C. ....	do .....	21	
Parlin, H. C. ....	do .....	1 29	
Paine, F. W. ....	do .....	2 52	
Perry, R. D. ....	do .....	5 06	
Prout, William A. ....	do .....	91	
Palmer, Mrs. J. C. ....	do .....	2 51	
Pardee & Burnham .....	do .....	27 12	
Pumpelly, R., and H. L. Smith .....	do .....	148 18	
Pennock, Charles G. ....	do .....	29 74	
Parsons, John .....	do .....	80	
Perley, George H. ....	do .....	6 61	
Peden, William .....	do .....	1 99	
Rickel, John G. ....	do .....	1 58	
Robinson, G. H. ....	do .....	4 79	
Roberts, D. E. ....	do .....	2 42	
Roth, Fred .....	do .....	2 09	
Ross, A. G. ....	do .....	1 75	
Rental Royalty Syndicate .....	do .....	2 77	
Reesor, H. A. ....	do .....	3 76	
Robinson, James .....	do .....	27 40	
Raymond, E. G. ....	do .....	3 57	
Randall, C. C. ....	do .....	6 59	
Saltonstall, F. G. ....	do .....	9 55	
Smith, Rae & Greer .....	do .....	106 17	
Sundby, G. O. ....	do .....	7 23	
Schwigler, W. J. ....	do .....	7 54	
Stimson, Geo. A. & Co. ....	do .....	2 69	
Sheppard, W. J. ....	do .....	20 18	
Shaw, Geo. A. ....	do .....	33	
Smith, Fred. H. ....	do .....	80	
Sutton Estate, W. P. ....	do .....	1 21	
Shaw, Geo. W. ....	do .....	1 60	
Shaw, Geo. W., Jr. ....	do .....	6 63	
Smith, Goldwin .....	do .....	1 60	
Symons, James .....	do .....	2 49	
Senter, John .....	do .....	8 99	
Smyth, H. L. ....	do .....	14 70	
Scott, J. G. ....	do .....	10 92	
Turner, William .....	do .....	1,402 22	
Traverse City Gold Reef Co. ....	do .....	2 10	
Thurston, C. B. ....	do .....	3 30	
Thompson, Emerson .....	do .....	3 54	
Torrance, Mrs. C. M. ....	do .....	3 81	
Taylor, H. G. ....	do .....	50	
Upham, N. J. & Co. ....	do .....	84	
Vernon, Geo. H. & Co. ....	do .....	24 69	
Washington & Beasley .....	do .....	49	
Weir, Charles .....	do .....	3 26	
Walsh, M. ....	do .....	3 48	
Watzke, Anton .....	do .....	1 26	
Wilkes, A. J. ....	do .....	47 84	
Wood, W. ....	do .....	12 00	
Werritt, W. H. ....	do .....	60 84	
Wells, W. H. ....	do .....	6 99	
Yawkey, W. H. ....	do .....	150 00	
Less refunded to H. S. Josselyn overpayment 12 Dec, 1903 .....	.....		7,262 54 2 56
			<u>\$7,259 98</u>

## No. 10.

STATEMENT of lands exempted from Algoma Land Tax under Sheriff's Certificate (see III Edward, Cap. 2, Sec. 2, 1903), and the amount of arrears cancelled, during the year 1904.

Description.	Acres.	Arrears.
Location 305 P, east part of Treaty Island, Rainy River District, occupant. John Whiting .....	484	\$67 55
Southwesterly 20 acres of Lot 5, Concession 7, Township of Jaffray, Rainy River District, occupant. Thos. Burk .....	20	2 49

PROVINCIAL AUDITOR'S OFFICE,  
TORONTO, March 9th, 1905.

C. H. SPROULE,  
Provincial Auditor.

## No. 11.

STATEMENT of REVENUE received on account of Law Stamps, 31st December, 1904.

County.	Distributor.	Amount.
Brant	A. J. Wilkes	1,508 05
Bruce	T. Dixon	1,026 00
Carleton	J. A. Ritchie	2,010 70
Dufferin	T. Bowles	468 35
Elgin	J. Farley	1,017 46
Essex	F. Cleary	942 95
Frontenac	J. L. Whiting	1,235 00
Grey	J. Armstrong	802 75
Haldimand	J. A. Murphy	95 00
Hastings	P. J. M. Anderson	1,349 00
Huron	D. McDonald	1,235 00
Halton	T. G. Matheson	286 40
do	W. I. Dick	61 75
Kent	James Holmes	712 50
Lambton	J. P. Bucke	1,097 25
Lanark	W. P. McEwen	446 50
Lennox and Addington	H. M. Deroche	346 75
Leeds and Grenville	O. K. Fraser	1,331 28
Lincoln	M. Brennan	518 25
Middlesex	James Magee	1,010 00
do	J. B. McKillopp	760 00
Northumberland and Durham	W. F. Kerr	2,269 45
Norfolk	C. C. Rapelje	289 75
Ontario	J. E. Farewell	478 75
Oxford	F. R. Ball	617 50
Peterborough	R. E. Wood	380 00
Prescott and Russell	J. Belanger	248 00
Prince Edward	J. R. Brown	239 40
Peel	W. H. McFadden	380 00
Perth	J. Idington	831 75
do	G. G. McPherson	1,115 15
Renfrew	J. R. Metcalf	285 00
Simcoe	J. R. Cotter	1,910 45
Stormont, Dundas and Glengarry	James Dingwall	950 00
Victoria	J. R. McNeillie	570 00
Waterloo	W. H. Bowlby	807 50
Welland	T. D. Cowper	555 75
Wellington	H. W. Peterson	1,377 50
Wentworth	J. Orerar	1,692 00
do	S. F. Washington	1,632 10
York	James MacMahon	20,750 00
Toronto	Joseph Tait	11,067 50
Algoma District	T. H. Murray	437 00
Manitoulin do	A. G. Murray	28 50
Muskoka do	I. Huber	216 00
Nipissing do	A. G. Browning	286 95
Parry Sound do	E. Jordan	191 24
Rainy River do	J. W. Humble	175 75
Thunder Bay do	A. W. Thompson	271 70
		68,315 13

PROVINCIAL AUDITOR'S OFFICE,  
TORONTO, March 9th, 1905.

C. H. SPROULE,  
Provincial Auditor.

## No. 12.

## STATEMENT OF SUCCESSION DUTY FOR THE YEAR ENDING 31st DECEMBER, 1904.

County and Estate.	\$	c.	\$	c.	\$	c.
<b>BRANT—</b>						
Jane Gorman .....	741	58				
Wm. Robson .....	10	00				
Wm. Willett .....	3,280	17				
F. S. Woods .....	250	00				
			4,281	75		
<b>BRUCE—</b>						
Samuel Fleming .....	1,817	09				
Wm. Kirk .....	680	00				
James Stark .....	15	00				
			2,512	09		
<b>CARLETON—</b>						
Alex. Fraser .....	120,000	00				
Maria Griffin .....	2,546	55				
Wm. Mackey .....	62,328	68				
David Scott .....	38	80				
Esther Slater .....	1,175	00				
James Warnock .....	971	32				
Mary S. Wright .....	14,818	96				
			201,879	31		
<b>DUFFERIN—</b>						
Hamilton Ferns .....					153	20
<b>ELGIN—</b>						
John Bassett .....	91	91				
Thomas McLaughlin .....	575	42				
George Turvill .....	1,654	16				
John Wise .....	150	00				
			2,471	49		
<b>ESSEX—</b>						
L. R. Medbury .....	1,000	00				
Daniel Goyeau .....	298	20				
			1,298	20		
<b>FRONTENAC—</b>						
Gordon Waldron .....					75	38
<b>GREY—</b>						
Wm. Keefer .....	47	75				
Anna J. Marsh .....	240	92				
			288	67		
<b>HALDIMAND—</b>						
John Parry .....					16	70
<b>HALTON—</b>						
Daniel Owens .....	41	39				
J. A. Speight .....	562	07				
			603	46		
<b>HASTINGS—</b>						
Harriet A. Bogart .....	1,971	34				
Charles E. Parker .....	140	00				
			2,111	34		
<b>HERON—</b>						
Wm. Carson .....	1,116	06				
Wm. McCaa .....	1,127	50				
Alex. Munroe .....	619	56				
Samuel Sloane .....	4,609	27				
			7,472	39		
<b>KENT—</b>						
Joseph Hawley .....	755	34				
Annie J. Stephens .....	688	10				
Mary M. Wells .....	198	00				
			1,641	44		
<b>LAMBTON—</b>						
R. I. Bradley .....	2,143	06				
Allan Duncan .....	240	75				
Edmund Hall .....	24,085	22				
P. W. Kittermaster .....	207	02				
			26,676	05		
Carried forward .....			251,481	47		



## No. 12.

STATEMENT OF SUCCESSION DUTY, 1904. *Continued.*

County and Estate.	\$	c.	\$	c.	\$	c.
<i>Brought forward</i> .....			251,481	47		
LANARK—						
J. A. Burgess .....	1,207	21				
George Thornton .....	772	00				
			1,979	21		
LEEDS AND GREENVILLE—						
Samuel Finley .....	1,747	30				
John T. Taylor .....	461	76				
			2,209	06		
LENOX AND ADDINGTON—						
F. D. Miller .....	38	20				
J. D. Ham .....	300	00				
			338	20		
LINCOLN—						
Mary Hamilton .....	813	00				
Abraham Moot .....	86	68				
			899	68		
MIDDLESEX—						
Wm. Dyke .....	717	75				
T. A. Hall .....	450	00				
Robt. McLeod .X.....	285	37				
Finlay McNeil .....	116	51				
James Tier .....	574	78				
John Vetch .....	500	00				
			2,644	41		
NORFOLK—						
Wm. Morgan .....			656	66		
NORTHUMBERLAND AND DURHAM—						
Mary Carr .....	728	00				
Lydia Cornell .....	48	75				
John England .....	539	49				
T. Fitzgerald .....	1,450	22				
M. A. Jamieson .....	60	00				
George Lumsden .....	2,049	76				
Olive W. Sanford .....	562	00				
			5,438	22		
ONTARIO—						
Wm. J. Hare .....	15	00				
J. H. Montgomery .....	96	05				
			111	05		
OXFORD—						
Richard Ferguson .....	2,043	99				
Alex. Gordon .....	683	27				
Wm. Hersee .....	3,945	33				
Andrew Pattullo .....	2,030	70				
			8,703	29		
PERTH—						
J. J. Conacher .....	25	00				
Martha Hall .....	722	42				
P. P. Hamilton .....	617	51				
J. D. Moore .....	1,000	00				
C. S. Rumsey .....	143	25				
Thomas Thompson .....	20	00				
			2,528	18		
RENFREW—						
J. W. Munro .....	14,000	00				
John Wellington Munro .....	530	75				
Albert Smallfield .....	43	64				
			14,574	39		
STORMONT, DUNDAS AND GLENGARRY—						
Joseph Kerr .....	1,906	81				
Thomas Kerr .....	583	06				
Wm. Kerr .....	1,435	87				
R. R. McDonell .....	24	00				
M. M. Mowat .....	25	00				
Alex. H. Ross .....	739	97				
John Stewart .....	525	00				
Sir E. A. Stuart .....	1,221	86				
David Tait .....	552	41				
			7,013	98		
<i>Carried forward</i> .....			298,577	20		



## STATEMENT OF SUCCESSION DUTIES, 1904.—Continued.

County and Estate.	\$	c.	\$	c.	\$	c.
<i>Brought forward</i> .....			298,577	80		
<b>WATERLOO—</b>						
Robert Forrest .....	630	00				
Margaret Lowes .....	806	36				
Peter Schantz .....	1,220	85				
John Strong .....	493	45				
Christian Trachsel .....	1,305	64				
Adam Warnock .....	35	00				
John F. Woelfle .....	489	86				
			4,981	16		
<b>WELLAND—</b>						
L. A. Bullard .....	75	00				
L. G. Carter .....	70	60				
Samuel Hopkins .....	836	85				
			982	45		
<b>WELLINGTON—</b>						
J. D. Allan .....	42	40				
Margaret Armstrong .....	95	65				
R. de Mauritz .....	186	75				
			324	80		
<b>WENTWORTH—</b>						
Andrew Baird .....	668	40				
T. J. Doak .....	97	00				
Wm. Eames .....	775	00				
John Eastwood .....	100	00				
Hugh Fairgrieve .....	763	06				
George Fletcher .....	303	35				
John Gamble .....	1,489	66				
W. H. Gillard .....	424	54				
Jane Hunter .....	276	14				
John Keough .....	146	09				
Henry McLaren .....	10,185	00				
Rose A. T. Osborne .....	1,180	56				
Wm. Palm .....	48	00				
George Roach .....	4,000	00				
A. A. Sawyer .....	80	27				
T. C. Watkins .....	5,692	90				
Mary Webber .....	50	00				
			26,279	97		
<b>YORK—</b>						
Joseph Alexander .....	72	75				
Elizabeth Armstrong .....	1,945	53				
M. C. Ashfield .....	635	68				
Hannah Awty .....	50	00				
Wm. Barrett .....	18	99				
L. Bolster .....	2,473	00				
A. M. Cassils .....	790	93				
Gilman Cheney .....	1,282	16				
Athole H. Church .....	2,375	69				
Alfred Dredge .....	58	70				
Michael Dwyer .....	674	31				
J. H. Farr .....	23	97				
Thomas Ferguson .....	47	80				
S. J. Franklin .....	150	00				
Anne B. Gamble .....	2,311	47				
A. F. Gault .....	3,535	27				
John Hallam .....	491	04				
Margaret Hartney .....	93	40				
King Houston .....	731	89				
H. S. Howland .....	2,000	00				
John Irwin .....	95	62				
Henry Jones .....	395	15				
Charles King .....	229	44				
T. M. Lee .....	1,500	00				
George W. Lewis .....	49,959	66				
John Lyman .....	6,417	77				
Wm. McCabe .....	4,500	00				
Wm. McGill .....	2,864	53				
E. McG. MacLennan .....	2,213	22				
E. A. McMicking .....	675	00				
Abraham Mainer .....	498	55				
Alex. Manning .....	15,000	00				
<i>Carried forward</i> .....	104,111	52	331,146	18		

STATEMENT OF SUCCESSION DUTIES, 1904.—*Concluded.*

County and Estate.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i> .....	104,111 52	331,146 18	
<i>YORK.—Continued</i>			
Joseph Orr .....	47 83		
J. J. Pearson .....	24 31		
Samuel Richardson .....	2,845 42		
Samuel Rogers .....	2,411 77		
G. W. Rundel .....	2,038 60		
E. L. Simpson .....	50 00		
J. T. R. Stinson .....	25 00		
John Webber .....	671 49		
George Willett .....	369 38		
J. J. Woodhouse .....	1,019 35		
W. C. Woods .....	21 84		
		113,636 51	
<i>Funds Deposited in lieu of Bonds for Payment of Succession Duty.</i>			
<i>DUFFERIN—</i>			
Henry Carter .....	775 00		
<i>HASTINGS—</i>			
J. J. Wallis .....	700 00		
<i>OXFORD—</i>			
R. B. Miles .....	1,700 00		
<i>YORK—</i>			
L. Bolster .....	450 00		
A. S. Irving .....	2,500 00		
T. J. Jermyan .....	2,500 00		
G. S. McConkey .....	2,500 00		
Alex. McKay .....	1,291 73		
Margaret Ryan .....	3,028 00		
		15,444 73	
<i>Refunds.</i>			
		460,227 42	
James Carmichael (Ontario) (1903) .....	47 88		
S. M. Everett (Peterboro) (1903) .....	497 01		
Oliver McClary (Middlesex) (1903) .....	43 86		
Neil McLeod (Frontenac) (1902) .....	159 08		
Isaac Waterman (Middlesex) (1903) .....	779 99		
		1,527 82	
			458,699 60

PROVINCIAL AUDITOR'S OFFICE,  
TORONTO, March 9th, 1905.

C. H. SPROULE,  
Provincial Auditor.

## No. 13.

## STATEMENT OF REVENUE.

Under 62 Vic. Cap. 8; 63 Vic. Cap. 6.

From whom received.		\$	c.	¢	c.
Life Insurance Co's.....	Etna Life Insurance Co. ....	1,536	71		
	British Empire Mutual Life Association .....	235	16		
	Canada Life Assurance Co.....	12,145	70		
	Confederation Life Association .....	6,139	73		
	Commercial Union Assurance Co. ....	45	98		
	Continental Life Insurance Co. ....	866	05		
	Crown Life Insurance Co. ....	259	50		
	Dominion Life Assurance Co. ....	1,281	46		
	Equitable Life Assurance Society of the U.S.	1,872	12		
	Edinburgh Life Assurance Co. ....	98	47		
	Excelsior Life Insurance Co. ....	1,326	81		
	Federal Life Assurance Co. ....	2,395	93		
	Great West Life Assurance Co. ....	1,444	24		
	Home Life Association, of Canada .....	689	91		
	Imperial Life Assurance Co., of Canada ..	2,749	39		
	London & Lancashire Life Assurance Co. ..	1,154	62		
	London Life Insurance Co. ....	2,209	13		
	Liverpool & London & Globe Insurance Co...	21	60		
	Mutual Reserve Fund Life Association .....	1,366	30		
	Mutual Life Insurance Co., of New York....	2,216	73		
	Mutual Life Assurance Co., of Canada .....	7,560	75		
	Manufacturers' Life Insurance Co. ....	4,703	00		
	Metropolitan Life Insurance Co. ....	3,939	51		
	Northern Life Assurance Co., of Canada .....	818	21		
	National Life Assurance Co., of Canada .....	541	45		
	North British & Mercantile Insurance Co. ....	96	60		
	New York Life Insurance Co. ....	3,329	12		
	North American Life Assurance Co. ....	5,644	42		
	Provident Savings Life Assurance Society, of N. Y. ....	354	58		
	Royal Victoria Life Insurance Co. ....	348	05		
	Royal Insurance Co. ....	54	67		
	Sovereign Life Insurance Co., of Canada .....	216	02		
	Sun Life Assurance Co., of Canada .....	5,776	90		
	Star Life Assurance Society .....	222	41		
	Standard Life Assurance Society .....	3,305	37		
	Scottish Amicable Life Assurance Co. ....	47	24		
	Travellers' Insurance Co., of Hartford, Conn.	1,103	43		
	United States Life Insurance Co. ....	187	90		
	Union Mutual Life Insurance Co. ....	236	24		
	Union Life Assurance Co. of Toronto .....	214	57		
				78,755	98
Fire Insurance Co's.....	Etna Insurance Co., of Hartford .....	475	89		
	Alliance Assurance Co. ....	572	73		
	Atlas Assurance Co. ....	717	44		
	Anglo-American Fire Insurance Co. ....	1,395	69		
	British America Assurance Co. ....	1,348	20		
	Canadian Fire Insurance Co. ....	303	19		
	Caledonian Insurance Co. ....	735	65		
	Commercial Union Assurance Co. ....	1,066	95		
	Connecticut Fire Insurance Co. ....	105	09		
	Equity Fire Insurance Co. ....	471	36		
	Guardian Fire & Life Assurance Co. ....	1,074	73		
	Hartford Fire Insurance Co. ....	639	28		
	Home Insurance Co. ....	617	11		
	Insurance Co., of North America .....	526	53		
	Carried forward .....			78,755	98

## No. 13.

## STATEMENT OF REVENUE.---Continued.

Under 62 Vic. Cap. 8; 63 Vic. Cap. 6.

From whom received.		\$ c.	\$ c.
	<i>Brought forward</i> .....		78,755 98
Fire Insurance Co's.....	London & Lancashire Fire Insurance Co. ....	850 08	
	London Assurance Corporation .....	379 68	
	London Mutual Fire Insurance Co. ....	1,247 94	
	Law Union & Crown Insurance Co. ....	158 23	
	Liverpool & London & Globe Insurance Co. ..	1,540 32	
	Mercantile Fire Insurance Co. ....	407 73	
	Manchester Fire Assurance Co. ....	294 89	
	Norwich Union Fire Insurance Society .....	1,290 70	
	North British & Mercantile Insurance Co. ..	1,440 14	
	Northern Assurance Co. ....	1,225 11	
	Ottawa Fire Insurance Co. ....	488 74	
	Phoenix Assurance Co., of London .....	1,178 46	
	Phoenix Insurance Co., of Brooklyn, N.Y. ..	337 00	
	Phoenix Insurance Co., of Hartford, Conn...	211 73	
	Queen Insurance Co., of America .....	1,103 38	
	Quebec Fire Insurance Co. ....	192 66	
	Royal Insurance Co. ....	2,694 42	
	Scottish Union & National Insurance Co. ....	543 69	
	Sun Insurance Office .....	678 77	
	Union Assurance Society, of London .....	657 85	
	Western Assurance Co. ....	2,118 27	
			29,089 63
Sundry Insurance Co's, paying also an assess- ment under The Ontario Insurance Co's Act.	Central Life Insurance Co. ....	134 61	
	Canadian Casualty & Boiler Insurance Co. ...	97 31	
	Economical Mutual Fire Insurance Co., of Berlin .....	309 75	
	Fire Insurance Exchange Corporation .....	78 56	
	Gore District Mutual Fire Insurance Co. ...	190 67	
	Hand in Hand Insurance Co. ....	128 23	
	Merchants' Fire Insurance .....	242 39	
	Metropolitan Fire Insurance Co. ....	269 50	
	Millers' & Manufacturers' Insurance Co. ....	58 04	
	Monarch Cash Mutual Fire Insurance Co.....	95 00	
	Perth Mutual Fire Insurance Co. ....	169 48	
	Peoples' Life Insurance Co. ....	532 10	
	Queen City Fire Insurance Co. ....	195 44	
	Standard Fire Insurance Co. ....	423 42	
	Traders' Fire Insurance Co. ....	183 58	
	Toronto Life Insurance Co. ....	127 50	
	Waterloo Mutual Fire Insurance Co. ....	308 41	
	Wellington Mutual Fire Insurance Co. ....	128 15	
	York Mutual Fire Insurance Co. ....	283 57	
			3,955 71
Miscellaneous .....	American Surety Co., of N.Y. ....	28 59	
	Accident & Guarantee Co., of Canada .....	20 37	
	Boiler Inspection & Insurance Co., of Canada	160 53	
	British & Foreign Marine Insurance Co. ....	51 13	
	Canada Accident Assurance Co. ....	136 59	
	Canadian Railway Accident Insurance Co...	469 38	
	Dominion Plate Glass Insurance Co. ....	68 35	
	Dominion Burglary Guarantee Co. ....	20 80	
	Dominion of Canada Guarantee & Acciden Insurance Co. ....	631 89	
	Employers' Liability Assurance Co. ....	717 97	
	Firemen's Fund Insurance Co. ....	80 70	
			2,386 30
	<i>Carried forward</i> .....		111,801 32

## No. 13.

## STATEMENT OF REVENUE.—Continued.

Under 62 Vic. Cap. 8; 63 Vic. Cap. 6.

From whom received.		\$	c.	\$	c.
	<i>Brought forward</i> .....	2,386	30	111,801	32
Miscellaneous .....	Guarantee Co., of North America .....	72	72		
	London Guarantee & Accident Co. ....	384	17		
	Floyds' Plate Glass Insurance Co. ....	168	33		
	Mannheim Insurance Co. ....	48	12		
	Maryland Casualty Co. ....	14	98		
	New York Plate Glass Insurance Co. ....	19	32		
	Ontario Accident Insurance Co. ....	565	29		
	Ocean Accident & Guarantee Corporation ..	396	22		
	Reliance Marine Insurance Co. ....	3	35		
	Railway Passengers' Assurance Co. ....	18	79		
	Travellers' Insurance Co., of Hartford ....	162	90		
	Thames and Mersey Marine Insurance Co. ...	107	60		
	Union Marine Insurance Co. ....	48	52		
	United States Fidelity & Guaranty Co. ....	36	14		
				4,432	75
Loan Companies .....	Acme Loan & Savings Co. ....	108	55		
	Agricultural Savings & Loan Co. ....	410	15		
	Birkbeck Loan Co. ....	65	00		
	British Canadian Loan & Investment Co. ...	259	35		
	British Mortgage Loan Co., of Ontario ....	283	40		
	Brockville Loan & Savings Co. ....	130	00		
	Canada Landed & National Investment Co.	652	60		
	Canada Permanent & Western Canada Mortgage Corporation .....	3,868	80		
	Canadian Birkbeck Investment & Savings Co.	602	55		
	Canadian Homestead Loan & Savings Association .....	65	00		
	Canadian Savings Loan & Building Association .....	300	95		
	Canadian Savings & Loan Co., of London, Can.	487	50		
	Central Canada Loan & Savings Co. ....	812	50		
	Chatham Loan & Savings Co. ....	194	35		
	Colonial Investment & Loan Co. ....	1,674	40		
	Credit Foncier Franco-Canadien, for Ontario	337	35		
	Crown Savings & Loan Co. ....	129	35		
	Dyment Securities Loan & Savings Co. ....	423	15		
	Dominion Permanent Loan Co. ....	724	10		
	Dominion Savings & Investment Society ..	607	75		
	East Lambton Farmers' Loan & Savings Co.	110	50		
	Essex County Savings & Loan Co. ....	65	00		
	Frontenac Loan & Investment Society ..	130	00		
	Grey & Bruce Loan Co. ....	169	00		
	Guelph & Ontario Investment & Savings Society .....	288	60		
	Hamilton Mutual Building Society .....	65	00		
	Hamilton Provident & Loan Society .....	715	00		
	Home Building & Savings Association .....	12	35		
	Home Savings & Loan Co. ....	130	00		
	Huron & Bruce Loan & Investment Co. ...	117	65		
	Huron & Erie Loan & Savings Co. ....	910	00		
	Huron & Lambton Loan & Savings Co. ....	219	70		
	Imperial Loan & Investment Co., of Canada	478	40		
	Industrial Mortgage & Savings Co. ....	287	95		
	Lambton Loan & Investment Co. ....	325	00		
	<i>Carried forward</i> .....	16,160	95	116,234	07



## No. 13.

## STATEMENT OF REVENUE.—Continued.

Under 62 Vic. Cap. 8, 63 Vic. Cap. 6.

From whom received.		\$ c.	\$ c.
	<i>Brought forward</i> .....	2,386 30	116,234 07
Loan Companies .....	Landed Banking & Loan Co. ....	455 00	
	London & Canadian Loan & Agency Co., of Canada .....	650 00	
	London Loan Co., of Canada .....	442 00	
	Midland Loan & Savings Co. ....	234 00	
	North British Canadian Investment Co. ....	316 55	
	Ontario Building & Savings Society .....	162 50	
	Ontario Loan & Debenture Co. ....	780 00	
	Ontario Loan & Savings Co. ....	195 00	
	Owen Sound Building & Savings Society ..	65 00	
	Oxford Permanent Loan & Savings Co. ....	157 30	
	Peoples' Building & Loan Association .....	234 65	
	Provident Investment Co. ....	65 00	
	Real Estate Loan Co., of Canada .....	243 10	
	Reliance Loan & Savings Co., of Ontario ....	599 95	
	Royal Loan & Savings Co. ....	325 00	
	Security Loan & Savings Co. ....	178 75	
	Simcoe Loan & Savings Co. ....	68 90	
	Southern Loan & Savings Co. ....	577 85	
	Standard Loan Co. ....	187 85	
	Stratford Building & Savings Society .....	82 55	
	Sun & Hastings Savings & Loan Co. ....	410 70	
	Toronto Land & Investment Corporation ....	158,60	
	Toronto Mortgage Co. ....	471 25	
	Toronto Savings & Loan Co. ....	650 00	
	Victoria Loan & Savings Co. ....	85 80	
	Walkerville Land & Building Co. ....	325 00	
	York County Loan & Savings Co. ....	1,051 05	
	Scottish-American Investment Co. ....	118 95	
	Scottish Ontario & Manitoba Land Co. ....	201 50	
	North of Scotland Canadian Mortgage Co. ....	474 50	
	Trust & Loan Co., of Canada .....	608 40	
			26,767 65
Trusts Companies.....	National Trust Co., of Ontario ..	1,335 00	
	Imperial Trust Co., of Canada .....	250 00	
	London & Western Trusts Corporation .....	315 00	
	Toronto General Trusts Corporation .....	1,335 00	
	Trusts & Guarantee Co. ....	770 00	
	Canada Trust Co. ....	315 00	
	Union Trust Co. ....	835 00	
			5,155 00
Banks .....	Bank of British North America .....	3,050 00	
	Canadian Bank of Commerce .....	4,075 00	
	Dominion Bank .....	2,800 00	
	Bank of Hamilton .....	3,050 00	
	Banque of Hochelaga .....	1,100 00	
	Imperial Bank of Canada .....	2,775 00	
	Merchants Bank of Canada .....	4,475 00	
	Metropolitan Bank .....	1,325 00	
	Bank of Montreal .....	3,700 00	
	Molsons Bank .....	3,075 00	
	Banque Nationale .....	850 00	
	Bank of Nova Scotia .....	1,200 00	
	Ontario Bank .....	2,025 00	
	<i>Carried forward</i> .....	33,500 00	148,156 72



## No. 13.

## STATEMENT OF REVENUE.—Continued,

Under 62 Vic. Cap. 8 ; 63 Vic. Cap. 6.

From whom received.		\$ c.	\$ c.
	<i>Brought forward</i> .....	33,500 00	148,156 72
Banks .....	Bank of Ottawa .....	2,775 00	
	Quebec Bank .....	1,450 00	
	Royal Bank of Canada .....	1,650 00	
	Standard Bank .....	1,675 00	
	Sovereign Bank of Canada .....	1,975 00	
	Traders' Bank of Canada .....	3,183 17	
	Bank of Toronto .....	2,950 00	
	Union Bank of Canada .....	2,725 00	
	Western Bank of Canada .....	859 88	
			52,743 05
Street Railways .....	Port Dalhousie, St. Catharines & Thorold Electric Railway .....	54 00	
	Sandwich, Windsor & Amherstburg Railway ..	110 00	
	Hamilton & Dundas Street Railway .....	13 63	
	London Street Railway .....	358 20	
	Hamilton, Grimsby & Beamsville Electric Ry.	30 00	
	Hamilton Street Railway .....	380 24	
	Kingston, Portsmouth & Cataraqui Electric Railway .....	120 54	
	Toronto & Mimico Electric Railway and Light Co .....	32 88	
	Toronto Railway .....	5,099 14	
	Toronto & Scarborough Electric Railway, Light and Power Co .....	76	
	Ottawa Electric Railway .....	804 68	
	Hamilton Radial Railway .....	48 48	
	Guelph Street Railway .....	110 00	
	Metropolitan Railway .....	5 68	
			7,168 23
Gas and Electric Light Co's	Toronto Electric Light Co .....	2,428 23	
	Incandescent Light Co .....	619 35	
	Brantford Gas Co .....	84 40	
	City Gas Co., London .....	240 00	
	Windsor Gas Co .....	50 00	
	St. Thomas Gas & Electric Light Co .....	80 00	
	Chatham Gas Co .....	99 00	
	Hamilton Electric Light & Power Co .....	250 00	
	London Electric Co .....	392 50	
	Ottawa Electric Co .....	994 00	
	Brantford Electric & Operating Co .....	117 30	
	Hamilton Gas Light Co .....	255 00	
	Kingston Electric Light, Heat & Power Co ..	70 64	
	Ottawa Gas Co .....	453 20	
	Stratford Gas Co .....	70 26	
	Consumers' Gas Co., Toronto .....	1,897 50	
	Trenton Electric & Water Co .....	40 00	
	Woodstock Gas Co .....	75 00	
	Lincoln Light & Power Co .....	145 25	
			8,361 63
Express Co's .....	American Express Co .....	925 00	
	Canadian Express Co .....	1,800 00	
	Dominion Express Co .....	1,675 00	
			4,400 00
	<i>Carried forward</i> .....		220,829 63

## No. 13.

## STATEMENT OF REVENUE.---Continued.

Under 62 Vic. Cap. 8; 63 Vic. Cap. 6.

From whom received.		\$	c.	\$	c.
	<i>Brought forward</i> .....			220,829	63
Parlor Car Co.....	Pullman Palace Car Co.....			1,185	94
Natural Gas Co's .....	Provincial Natural Gas & Fuel Co.....	2,577	74		
	United Gas & Oil Co.....	1,698	55	4,276	29
Telegraph Co's .....	Dominion Telegraph Co.....	475	00		
	G.N.W. & Montreal Telegraph Cos.....	717	24		
	North American Telegraph Co.....	100	00	1,292	24
Telephone Co's.....	North American Telegraph Co.....	125	00		
	Bell Telephone Co.....	5,000	00	5,125	00
Railways.....	Bay of Quinte Railway.....	1,405	12		
	Thousand Islands Railway.....	94	95		
	Kingston & Pembroke Railway.....	1,554	00		
	Brockville, Westport & Sault Ste. Marie Railway.....	675	00		
	Central Ontario Railway.....	2,019	00		
	Canadian Northern Railway.....	7,070	00		
	Grand Trunk Railway.....	83,299	50		
	Canada Atlantic Railway.....	10,424	88		
	Nosbonsing & Nipissing Railway.....	82	50		
	Canada Southern Railway.....	11,465	70		
	Ottawa & New York Railway.....	825	00		
	Niagara, St. Catharines & Toronto Railway.....	285	00		
	Tilsonburg, Lake Erie & Pacific Railway.....	525	00		
	Lake Erie & Detroit River Railway.....	6,702	30		
	Toronto, Hamilton & Buffalo Railway .....	1,255	05		
	Canadian Pacific Railway.....	60,235	72	187,918	72
				420,627	82

C. H. SPROULE,

Provincial Auditor.

PROVINCIAL AUDITOR'S OFFICE,

TORONTO, March 9th 1905.

No. 14.

CASUAL REVENUE.

From Whom Received.	Service.	\$ c.	\$ c.
Clerks of the Peace—	Fines and forfeitures	104 64	
Algoma	do	35 95	
Brant	do	862 66	
Carleton	do	74 88	
Essex	do	52 25	
Frontenac	do	343 55	
Huron	do	528 20	
Kent	do	19 20	
Lambton	do	9 31	
Lanark	do	24 00	
Lincoln	do	1,186 92	
Middlesex	do	27 55	
Manitoulin	do	206 16	
Muskoka	do	20 00	
Norfolk	do	365 76	
Nipissing	do	24 48	
Oxford	do	30 17	
Perth	do	22 80	
Peterborough	do	8 64	
Rainy River	do	28 80	
Renfrew	do	13 95	
Simcoe	do	20	
Victoria	do	392 00	
Waterloo	do	134 40	
Welland	do	4 00	
Wellington	do	5 00	
Wentworth	do	5 00	
York	do		
E. Cruickshank, P.M., Nia- gara Falls	do	63 00	
Wm. Young, P.M., Rat Portage	do	592 00	
C. J. Hollands, P.M.	do	165 00	
L. A. Smith, P.M.	do	209 26	
W. M. Horsey, P.M., Bowman- ville	do	7 00	
W. A. Ouibell, P.M., Sudbury	do	56 00	
Thos. Rice, P.M., Dunnville	do	7 00	
D. J. Lynch, P.M., Campbell- ford	do	5 00	
G. F. Jelfs, P.M., Hamilton	do	40 00	
A. E. Watson, J.P., Avr	do	25 00	
Jas. Laird, J.P., Caledonia	do	50 00	
A. S. Vandusen, J.P., Flesher- ton	do	20 00	
John Gardiner, J.P., Wahnapi- tae	do	262 00	
F. Norris, J.P., Sault Ste. Marie	do	21 00	
Geo. Menzies, P.C.C., Owen Sound	do	46 50	
W. P. Lett, P.C.C., Ottawa	do	595 00	
C. Morrison, P.C.C., Toronto	do	100 00	
W. J. Keating, Mayor, Port Frances	do	5 00	
Bursar, Central Prison	do	141 88	
Sheriff Varin	do	45 00	
Sheriff Hawley	do	95 00	
Thos. Keilty, Factories Insp'r	do	11 00	
Thos. Penfold, Port Arthur	do	17 60	
James Meek	Jury fees	3 00	
E. Jordan	do	7 50	
T. J. Bourke	do	18 00	
W. H. Carney	do	15 00	
			7,153 21
Counties Crown Attorney	Surplus fees, 57 Vic. cap. 9, Secs. 8 & 9	270 99	
Registrars of Deeds	do 57 Vic. cap. 9, sec. 4	1,759 08	
Local Registrars, H. C. J.	do do	2,124 61	
County Court Clerks	do do	263 27	
Surrogate Registrars	do do	4,528 12	
Clerks Division Court	do do	5,903 97	14,849 97
Carried forward			22,063 18

## No. 14.

CASUAL REVENUE.—*Concluded.*

From whom received.	Service.	\$ c.	\$ c.
	<i>Brought forward</i> .....		22,003 18
Insurance Branch	Ontario Insurance Act—		
	Insurance Companies' Register	—18,520 13	
	Friendly Society do	769 00	
	Miscellaneous	433 00	
	Loan Corporations Act—		19,722 13
	Loan Companies Register	6,875 00	
	Loaning Land do do	550 00	
	Trusts Companies do	1,225 00	
	Miscellaneous do	728 60	
Provincial Game Warden	Deer hunters' licenses, 1903	56 25	
	do do 1904	9,497 82	
	Non-resident do	6,665 80	
	Moose do 1903	4 80	
	do do 1904	639 52	
	Game Dealers' do	422 00	
	Hotel and Cold Storage licenses	157 00	
	Fines and confiscations	1,680 46	
			9,378 60
Sundry persons	Circus licenses		19,123 65
Counties Treasurer	Removal of lunatics		2,830 00
Clerk Legislative Assembly	Private bills		3,392 45
Warwick Bros. & Rutter	Ontario <i>Gazette</i>		8,700 15
King's Printer	Sale of Statutes		4,799 31
	do Rules of Practice		1,065 60
Librarian L. A.	Sundry persons—lost books		65 80
Grand Trunk R. R.	Rent of old Parliament buildings land		7 30
Department Trade and Commerce			6,000 00
London G. & A. Co.	<i>Re</i> Chinese immigration		6,000 00
W. H. Carney	<i>Re</i> bond 01,847 in <i>re</i> J. F. J. Cashman		118 17
Public Works Dept.	Refund, rent allowance, 1903		50 00
Estate Melvin Maynard	do <i>re</i> Rainy River bridges		47 11
do Carl Bundstrom	<i>Re</i> Sec. 10, Cap. 70, R. S. O., 1897	2,346 56	
do Caroline Heron	do	314 65	
	do	220 39	
			2,881 60
E. A. Maclaurin	Escheated Estate		4 00
W. H. Sutherland	Refund C. V. 391, of 1902		8 44
Public Works Dept.	Lease corner Queen & Shaw & Massey Sts		50 00
do	Sale Toronto School of Medicine Building		750 00
do	Sale old timber at Lindsay		30 00
H. H. Dewart	Refund <i>re</i> expenditure of 1896		75 20
Attorney General	Refund <i>re</i> Fawkes v. Attorney General V. 3,175 of 1902		407 68
			107,510 37
	Less payments to claimants <i>re</i> deposits in 1902 & 1903 by Irondale Ry		159 23
			\$107,351 14

No. 15.

GOVERNMENT STATIONERY OFFICE.

	£	c.	£	c.	£	c.
Balance of stock on hand, 31st December, 1903.....			7,303	89		
Stationery and envelopes.....	326	33				
Paper.....	122	10				
do.....	2,960	97				
do.....	73	75				
Stationery and envelopes.....	2,383	01				218 35
do.....	4,689	66				63 30
Pads, scrap books, &c.....	741	20				596 03
Stationery.....	29	15				32 73
Supplies.....	17	25				2,005 82
Stationery, blank books, &c.....	624	95				574 40
Paper and envelopes.....	1,759	35				278 75
Toilet paper.....	199	70				38 15
Paper.....	29	00				243 59
do.....	152	15				11 73
Stationery and blank books.....	98	55				76 15
do.....	796	75				3 90
do.....	211	25				358 53
Blank books and pads.....	212	39				90 16
Typewriter paper.....	24	00				28 30
Carbon paper.....	12	00				31 80
do.....	47	25				66 71
do.....	14	80				9 82
Indexes.....	3,710	85				39 20
Paper.....	7	50				45 82
Embossing.....	157	30				211 97
Tracing cloths, tubes, &c.....	128	50				122 47
do.....	15	00				37 44
Letter books, stationery, &c.....	3	00				91 91
Pens.....	218	43				398 23
do.....	339	77				82 19
Typewriter supplies.....	3	50				146 17
do.....	69	00				83 77
do.....						139 06
do.....						41 39
do.....						975 35
do.....						
Davis & Henderson.....						
do.....						
Bunnin, Reid & Co.....						
Barber & Ellis Co.....						
Brown Bros.....						
Hunter, Rose & Co.....						
Newsome & Co.....						
do.....						
Grand & Toy.....						
Kilgour Bros.....						
do.....						
Rolph & Clark.....						
O. B. Stanton.....						
do.....						
Donald Bain & Co.....						
Bain & Cubitt.....						
Rose Publishing Co.....						
do.....						
Carbon Mfg. Co.....						
A. D. Fisher.....						
Odlice Specialty Co.....						
Warwick Bros & Rutter.....						
Hart & Riddell.....						
do.....						
do.....						
J. Davis & Co.....						
Wm. Tyrrell & Co.....						
United Typewriter Co.....						
Canadian Typewriter Co.....						
Remington Typewriter Co.....						
Dominion Typewriter Co.....						
Smith Premier Typewriter Co.....						

Distribution for eleven months ended September 30th, 1904:

Civil Government:

Attorney-General's Department, stationery.....

do..... paper.....

Education Department, stationery.....

do..... paper.....

Crown Lands Department, stationery.....

do..... paper.....

do..... Military Grants, stationery.....

do..... do..... paper.....

Bureau of Mines, stationery.....

do..... paper.....

Colonization and Forestry, stationery.....

do..... paper.....

Public Works Department, stationery.....

do..... paper.....

Good Roads, stationery.....

do..... paper.....

Labor Bureau, stationery.....

do..... paper.....

Colonization Roads, stationery.....

do..... paper.....

Fisheries, stationery.....

do..... paper.....

Game Protection, stationery.....

do..... paper.....

Treasury Department, stationery.....

do..... paper.....

Succession Duty Office, stationery.....

do..... paper.....

Audit Office, stationery.....

do..... paper.....

Provincial Secretary's Department, stationery.....



No. 15.—GOVERNMENT STATIONERY OFFICE.—Continued.

	§	¢	§	¢	§	¢
National Typewriter Co. . . . .		10 50				
Newsome & Gilbert. . . . .		30 00				
C. Grinton . . . . .		12 25				
Carswell & Co. . . . .		21 00				
do . . . . .		3 00				
Canada Law Book Co. . . . .		22 00				
Can. Tag & Label Pt'g Co. . . . .		27 00				
Rice Lewis & Son . . . . .		8 30				
Hobbs Hardware Co. . . . .		269 55				
do . . . . .		103 68				
G. J. Castle. . . . .		17 50				
Win. Younger . . . . .		5 25				
Art. Metropole. . . . .		16 29				
do . . . . .		34 07				
O. S. James. . . . .		26 52				
Wright's Express Co. . . . .		25				
		20,816 32				
Less received from sales of stationery . . . . .		55 60		20,760 72		
				28,064 61		
Civil Government.—Continued.						
Provincial Secretary's Department, paper.	293	46				
Inspector of Prisons, stationery . . . . .	89	19				
do paper . . . . .	55	05				
Audit of License and Justice Accts, stationery	199	56				
Registrar-General, stationery . . . . .	414	00				
do paper . . . . .	82	95				
Provincial Board of Health, stationery . . . . .	159	77				
do do paper . . . . .	14	54				
Department of Agriculture, stationery . . . . .	330	51				
do do paper . . . . .	49	66				
Factory Inspection, stationery . . . . .	64	45				
do paper . . . . .	85	26				
Insurance Branch, stationery . . . . .	141	54				
do do paper . . . . .	43	54				
Neglected Children's Branch, stationery . . . . .	119	82				
do do paper . . . . .	29	92				
King's Printer, stationery . . . . .	9	25				
do paper . . . . .	9	14				
Municipal Auditor, stationery . . . . .	10	35				
do do paper . . . . .	4	83				
					9,350	01
Legislation—						
Stationery, printing and binding, stationery	2,252	47				
Expenses, stationery . . . . .	458	49				
do paper . . . . .	9	95				
					2,720	91
Administration of Justice—						
Supreme Court, stationery . . . . .	288	94				
do paper . . . . .	3	60				
Appeal Court, stationery . . . . .	152	60				
do do paper . . . . .	25	71				
High Court, stationery . . . . .	64	48				
do do paper . . . . .	25	66				
Central Office, stationery . . . . .	196	04				
do do paper . . . . .	2	18				
Registrar's Office, stationery . . . . .	351	25				
do do paper . . . . .	21	94				



Administration of Justice - *Continued.*

Weekly Court, stationery.....	5 20
Surrogate Office, stationery.....	48 95
do paper.....	17 86
Division Courts, stationery.....	53 13
do paper.....	22 07
Land Titles Office, stationery.....	114 41
do paper.....	1 29
Local Masters of Titles, stationery.....	461 98
do paper.....	74 37
Legal Offices, stationery.....	50 89
do paper.....	4 98
Drainage Trials Act, stationery.....	98 68
District Algouma, do.....	271 25
do Thunder Bay, do.....	92 50
do Nipissing, do.....	102 00
do Manitoulin, do.....	11 50
do Parry Sound, do.....	54 00
do Rainy River, do.....	52 00
do Muskoka, do.....	167 87

2,837 33

## Education -

Art Schools, stationery.....	44 00
do paper.....	54 17
Poor and District Schools, paper.....	15 16
Continuation Classes, paper.....	13 04
Rural Schools, paper.....	1 40
Kindergarten Schools, paper.....	1 29
Inspection of Schools, stationery.....	50 00
do paper.....	38 92
Departmental Examinations, stationery.....	794 90
do paper.....	177 04
Ontario Normal College, stationery.....	18 57
do paper.....	1 40
Miscellaneous, Education, stationery.....	244 40
do paper.....	363 16
Normal and Model Schools, Toronto, stationery.....	191 18
Normal and Model Schools, Toronto, paper.....	34 16
Normal and Model Schools, Ottawa, stationery.....	157 65

No. 15. GOVERNMENT STATIONERY OFFICE. *Continued.*

	§	¢	§	¢	§	¢
Education— <i>Continued.</i>						
Normal and Model Schools, Ottawa, paper .....				7 06		
Normal and Model Schools, London, stationery .....				5 84		
Normal and Model Schools, London, paper .....				2 50		
High Schools and Collegiate Institutes, stationery .....				54 34		
High Schools and Collegiate Institutes, paper .....				6 89		
Library and Museum, stationery .....				13 62		
do paper .....				13 81		
Public Libraries, stationery .....				28 13		
do paper .....				18 80		
School Practical Science, stationery .....				273 93		
do paper .....				8 53		
Technical Education, paper .....				2 57		2,636 46
Public Institutions Maintenance—						
Asylum for Insane, Toronto stationery .....				99 78		
do do paper .....				46 91		
do London, stationery .....				24 50		
do Mimico, do .....				174 72		
do do paper .....				35 09		
do Penetang, stationery .....				13 85		
do do paper .....				60 04		
Asylum for Idiots, Orillia, stationery .....				21 50		
do do paper .....				4 07		
Central Prison, Toronto, stationery .....				84 74		
do do paper .....				17 78		
Deaf and Dumb Institution, Belleville, stationery .....				71 00		
Blind Institution, Brantford, paper .....				13 44		
Mercer Reformatory, Toronto, stationery .....				53 90		
do do paper .....				25 13		746 45

Colonization and Immigration, stationery.....	55 00	
do paper .....	23 18	78 18
Agriculture—		
Farmers' Institutes, stationery .....	171 21	
do paper .....	15 24	
Incidentals, stationery .....	1,309 04	
do paper.....	72 39	
San Jose Scale, paper.....	4 50	
Bureau of Industries, stationery.....	219 85	
do paper.....	79 93	1,872 16
Repairs and Maintenance—		
Parliament Buildings, toilet paper.....		50 00
Charges Crown Lands		
Agents' salaries, stationery .....	30 53	
Forest Reserves, do .....	12 70	
do paper .....	9 40	
Rondeau Park, do .....	70	
Algonquin Park, stationery.....	24 10	
do paper.....	1 40	78 83
Miscellaneous		
Charges on Revenue, stationery.....	36 70	
do paper .....	187 88	
Expenses of Elections, stationery .....	18 15	
do paper .....	7 80	
Fire Loss, stationery.....	14 75	
do paper.....	71 23	
Railway Commission, stationery .....	26 95	363 46
Balance stock on hand .....		20,733 79
Total .....		7,330 82
		28,064 61

PROVINCIAL AUDITOR'S OFFICE,  
TORONTO, March 9th, 1905.

C. H. SPROULE,  
Provincial Auditor.

No. 16.

STATEMENT showing amounts payable annually for Certificates issued by the Treasurer of the Province for "Aid to Railways" and Annuities.

Year.	Railway Aid Certificates.	Annuities.	Year.	Railway Aid Certificates.	Annuities.
	\$ c.	\$ c.		\$ \$	\$ \$
1905.....	120,860 68	102,900 00	<i>For ward</i> ....	2,538,074 28	2,133,800 00
1906.....	120,860 68	102,900 00	1926 .....	120,860 68	69,350 00
1907.....	120,860 68	102,900 00	1927 .....	120,860 68	56,950 00
1908.....	120,860 68	102,900 00	1928 .....	120,860 68	50,700 00
1909.....	120,860 68	102,900 00	1929 .....	120,860 68	50,700 00
1910.....	120,860 68	102,900 00	1930 .....	120,161 08	50,700 00
1911.....	120,860 68	102,900 00	1931 .....	116,663 08	43,700 00
1912.....	120,860 68	102,900 00	1932 .....	109,667 08	32,700 00
1913.....	120,860 68	102,900 00	1933 .....	106,868 68	28,700 00
1914.....	120,860 68	102,900 00	1934 .....	104,769 88	28,700 00
1915.....	120,860 68	102,900 00	1935 .....	92,876 68	24,700 00
1916.....	120,860 68	102,900 00	1936 .....	86,838 15	16,700 00
1917.....	120,860 68	102,900 00	1937 ... ..	76,207 94	9,200 00
1918.....	120,860 68	102,900 00	1938 .....	72,709 94	2,850 00
1919.....	120,860 68	102,900 00	1939 .....	67,870 49	
1920.....	120,860 68	102,900 00	1940 .....	63,987 16	
1921.....	120,860 68	102,900 00	1941 .....	49,691 89	
1922.....	120,860 68	102,900 00	1942 .....	13,566 54	
1923.....	120,860 68	102,900 00	1943 .....	6,668 65	
1924.....	120,860 68	96,200 00	1944 .....	4,443 22	
1925.....	120,860 68	82,500 00	.....		
<i>Forward</i> .....	2,538,074 28	2,133,800 00	Totals.....	4,114,507 46	2,599,450 00

NOTE. Present value of Railway Certificates (interest  $1\frac{3}{4}$  per cent. half yearly) .. \$2,425,411.16  
do Annuities do  $1\frac{3}{4}$  do .. 1,699,352.32

PROVINCIAL AUDITOR'S OFFICE,  
TORONTO, March 9th, 1905.

C. H. SPROULE,  
Provincial Auditor.

## No. 17.

## LIABILITIES OF THE PROVINCE.

(1) Debts due to Dominion as settled by arbitration, with the exception of claim as under Indian Treaty, No. 3, in dispute .....	1,737,190 72
NOTE.—17th Award, see Sessional Paper No. 58, 1901. Payments have since been made to Dominion on account of C. S. Fund, reducing amount mentioned in award.	
(2) Treasury Bills issued for six months due on the 15th May, 1905, on account Temiskaming Railway, £1,200,000...	5,840,004 00

## STATEMENT—SALE OF TREASURY BILLS.

Interest at 2 per cent. for six months on £1,200,000 ; £24,000 at par .....	116,800 08
$\frac{1}{8}$ per cent, commission on £1,200,000= £1,500 at par .....	7,300 00
Charges for stamps, £594 .....	2,890 79
Cost of exchange, difference between $9\frac{1}{2}$ and $9\frac{3}{4}$ .....	6,525 64
Total costs re sale of Treasury Bills .....	133,516 51

November 30th, 1904, credited to Temiskaming Railway Commission by the Imperial Bank .....	5,706,487 49
£1,200,000 at par of Ex. ....	5,840,004 00

(3) Railway Certificates present value, outstanding on the 31st December, 1904 .....	2,425,411 16
Annuities Certificates present value, outstanding on the 31st December, 1904 (see Statement No. 16) .....	1,699,352 32
(4) Common School Fund collections by Ontario from 1st January, 1904, payable to the Dominion in trust for both Provinces .....	4,124,763 48
In trust for Ontario, \$4,382 40	7,692 67
" " Quebec, \$3,310 27	

## INDIRECT LIABILITIES OF THE PROVINCE AND GUARANTEES.

(1) Algoma Central and Hudson Bay Railway and Associated Industries Guarantee Loan, payable 1st May, 1906 (4 Edw. VII., c. 19) .....	2,000,000 00
NOTE.—The Government has as security for this guarantee certain 1st mortgage bonds, income bonds and stock of the Lake Superior Corporation, and the stock and bonds of the Algoma Central and Hudson Bay Railway Co., and of the Manitoulin and North Shore Railway Co., and a promissory note for \$725,000 secured by mortgage on certain steamships and vessels of the Algoma Central Railway Company.	
(2) Niagara Falls Park Bonds—(50 Vic. c. 13) ..	525,000 00
(57 Vic. c. 13) ..	75,000 00
	600,000 00
NOTE.—The income of the Park Commission from lease of power, etc., was sufficient to pay all maintenance and interest charges and leave a balance of about \$15,000 (in 1904) available for capital expenditures, which balance will be much exceeded in future.	2,600,000 00

## TRUST FUNDS OF THE PROVINCE HELD BY THE DOMINION:--

Upper Canada Grammar School Fund. 2 Vic., c. 10, and 250,000 acres of land allotted to it.....	312,769 04	
Upper Canada Building Fund (under the 18th section, Act 1854.) Seigniorial tenure set apart for local purposes in Upper Canada.....	1,472,391 41	
Land Improvement Fund, being one-fourth of the collection on account of Common School Lands sold between the 14th day of March, 1853, and the 6th day of June, 1861, as per award .....	124,685 18	
Common School Fund (see Consolidated Statutes, c. 26), 1,000,000 acres set apart (proceeds realized to 31st December, 1903), after deducting Land Improvement Fund \$2,571,908.57, portion belonging to Ontario as per population of 1901.....	1,465,179 33	
NOTE.—See Awards, Sessional Papers 1900 and 1901.		
		<u>3,375,024 96</u>

## CASH AND DEBENTURE ASSETS OF PROVINCE.

## Bank Balances:—

Current Account.....	142,288 96
Special deposits bearing interest.....	2,713,295 59

## Debentures:—

Drainage Debentures.....	53,111 73
Tile Drainage Coupons.....	75,359 30
Municipal Drainage Assessment.....	2,332 64
Sault Ste. Marie Debentures.....	25,572 50

3,011,960 72

## TEMISKAMING RAILWAY ACCOUNT.

Balance cash on hand 31st December, 1904, available for construction of railway.....	1,354,686 02
--	--------------







---

---

# EXPENDITURE STATEMENT

---

---

STATEMENT OF THE EXPENDITURE by the Treasurer of Ontario during the year ended  
31st December, 1904.

## CIVIL GOVERNMENT.

## LIEUTENANT-GOVERNOR'S OFFICE.

## SALARIES (\$2,170.00).

F. C. Law: Twelve months' salary as Official Secretary .....	\$1,200 00
Allan Magee: do A. D. C. to Lieut-Governor .....	400 00
F. B. Reade: One do Stenographer .....	30 00
Thos. Lymer: Twelve do Messenger .....	540 00

## EXPENSES (\$1,500.00).

F. C. Law: To pay sundries .....	1,500 00
----------------------------------	----------

## EXECUTIVE COUNCIL AND ATTORNEY-GENERAL'S DEPARTMENT.

## SALARIES (\$16,010.00).

Hon. J. M. Gibson: Ten and one-third months' salary as Attorney-General .....	3,577 12
Hon. F. R. Latchford: One and two-third do do .....	422 88
J. R. Cartwright: Twelve months' salary as Clerk Ex. Council and Dep. Att.-Gen. ....	3,500 00
J. Lonsdale Capreol: do Assistant Clerk Ex. Council .....	1,800 00
A. M. Dymond: do Law Secretary of Department .....	800 00
M. Currey: do Clerk and Attorney-General's Secretary .....	1,500 00
A. Mennie: do do and Assistant .....	360 00
C. A. Fitch: do do and Stenographer .....	1,150 00
Wm. Marseilles: do do do .....	1,000 00
C. F. Bulmer: do do do .....	900 00
C. H. Chase: do Messenger and Caretaker .....	1,000 00

## EXPENSES (\$1,940.93).

Warwick Bros. & Rutter: Printing and binding, 42.64; Riordon Paper Mills, .25 .....	42 89
Stamping: Rolph Smith & Co, 14.75; Rolph Clark Co, 5.00 .....	19 75
Hart & Riddell: Embossing, 10.00; L. K. Cameron: Stat., 218.38; paper, 63.30 .....	291 68
Mrs. Hubertus: Postage stamps, 325.00; Postmaster: Unpaid postage, 2.47 .....	327 47
Bell Telephone Co.: Messages, 61.25; G. N. W. Tel. Co.: Telegrams, 136.33 .....	197 58
C. P. R. Telegraph: Telegrams, 117.26; Might Directories: Directories, 12.00 .....	129 26
H. Vernon: Hamilton Directory, 2.50; Can. Legal Pub. Co.: Legal charts and law lists, 13.50 .....	16 00
Toronto Ry. Guide: Copies Guide, 5.00; Circuit Guides, 3.00 .....	8 00
Annual Review: Copies .....	9 00
E. Thompson Co.: Encyclopædias .....	18 00
Law Books: Carswell Co, 94.15; J. Lovell & Son, 11.00; Can. Law Book Co., 53.50 .....	158 65
C. Gripton: Stamps and repairs, 8.35; Can. Typewriter Co.: Supplies and rep., 3.41 .....	11 76
United Typewriter Co.: Typewriter, 112.50; Remington Typewriter Co.: Supplies, .50 .....	113 00
Brown Bros.: Mimeograph, 42.50; G. A. Boomer; Copy judgment, Berlin v. Waterloo, 1.40 .....	43 90
R. S. Cassels: Copy judgment, Grattan v Ottawa School Trustees .....	1 50
W. Greenwood: Reprg. office wheel, 3.35; Doane Bros.: Cab hire, 9.75 .....	13 10
G. Verral: Cab hire, 80.25; P. Maher: Cab hire, 52.00; J. J. O'Leary: Cab hire, .50 .....	132 75
Can. Express Co.: Charges, 2.04; Dom. Express Co.: Charges, 5.05 .....	7 09
Wright Cartage Co.: Cartage, .25; Toronto Ry. Co.: Car tickets, 27.00 .....	27 25
Hon. J. M. Gibson: Trav. expenses, 113.00; M. Currey: Trav. expenses, 4.00 .....	117 00
C. A. Fitch: Trav. expenses, 12.35; Petty office exp., 10.00 .....	22 35
Can. Law Socy.: Certificate, Deputy Atty.-General, 17.00; Sundry persons: Messenger service, 5.00 .....	22 00
Sundry newspapers: Subscriptions .....	210 95

## CIVIL GOVERNMENT.—Continued.

## EDUCATION DEPARTMENT.

## SALARIES (\$18,987.00).

Hon. R. Harcourt: Twelve months' salary as Minister of Education	4,000 00
Jno. Millar: do Deputy Minister of Education	2,600 00
H. R. Alley: do Clerk and Minister's Secretary	1,500 00
J. T. R. Stinson: Seven do Clerk	787 00
H. M. Wilkinson: Twelve do and Accountant	1,400 00
A. C. Paull: do do	1,250 00
F. N. Nudel: do do	1,100 00
R. J. Bryce: do do	900 00
T. J. Greene: do do	850 00
T. F. Callaghan: do do	1,250 00
E. A. Faulds: do do	900 00
Allen Ker: do do and Stenographer	800 00
S. B. Shields: do Stenographer	500 00
F. Woodley: do Clerk	600 00
L. McCorkindale: do Caretaker	550 00

## EXPENSES (\$2,977.12).

Warwick Bros. & Rutter: Ptg. and binding, 227.76; Hart & Riddell: Embossing, 1.25	229 01
Stamping: Rolph Smith & Co., 25.17; Rolph Clark Co, 12.50	37 67
W. Briggs: Binding, 2.75; L. K. Cameron: Staty., 596.03; paper, 32.73	631 51
Riordon Paper Mills: Paper, 64.05; Office Specialty Co: Staty., .60	64 65
Stationery: Brown Bros., 3.55; J. M. Gordon, 1.00	4 55
Sundry newspapers: Subscriptions, 38.35; Advertising, 15.00	53 35
W. McMaster: Postage stamps, 425.00; Postmaster: Unpaid postage, 8.50	433 50
G. N. W. Tel. Co.: Telegrams, 43.72; C. P. R. Telegraph: Telegrams, 23.75	67 47
Bell Telephone Co.: Messages, 10.65; Might Directories: Directories, 18.00	28 65
Can. Legal Pub. Co.: Law list, 6.00; Dept. Public Ptg.: Postal guides, 2.40	8 40
Annual Review: Subscription, 3.00; Carswell Co.: Law books, 5.00	8 00
Books: Bain Book Co., .80; Copp Clark Co., 2.16; J. W. Allen, 2.90; W. Briggs, 3.49; J. R. Long, 2.00; Morang & Co., 1.05	12 40
Repairs and Supplies: Can. Typewriter Co., 2.00; Newsome & Gilbert, 10.75; Remington Typewriter Co., 8.00; Newsome & Co., 13.85; National Typewriter Co., 4.50; United Typewriter Co., 4.00	43 10
C. Gripton: Stamp and supplies, 6.55; Parsons-Irons Co.: Stamp and supplies, 5.30	11 85
Superior Mfg. Co.: Stamp supplies	1 00
Aikenhead Hardware Co.: Erasers, 2.23; Trunk & Leather Goods Co.: Bag for papers, 6.00	8 28
A. J. Reading: Photo supplies, 5.00; Registrar East Toronto: Abstract title, 3.90	8 90
Doano Bros.: Cab hire, 33.25; G. Verral: Cab hire, 11.00	44 25
Dom. Express Co.: Charges, 3.05; Can. Express Co.: Charges, 12.25	15 30
Wright & Podger: Cartage, 7.85; Rapid Delivery Co.: Cartage, 2.10	9 95
Can. Transfer Co.: Cartage, .25; C. M. Richardson: Cartage, 15.25	15 50
G. T. Ry. Co.: Freight charges, .50; Toronto Ry. Co.: Car tickets, 33.25	33 75
Hon. R. Harcourt: Trav. exp., 241.50; John Millar: Trav. exp., 94.75	336 25
do allowance, trav. exp. to England	600 00
W. H. Jenkins: Trav. expenses, 3.60; British Ass'n Advancement Science: Fees, 4.97	8 57
C. Wilkinson: Stenog. at 8.00 per week, 32.00; W. Lemon: Messenger at 3.00 per week, 39 00	71 00
H. F. Taylor: Phone boy, 18.00; M. Hazard: Services 7.00 per week, 64.16	82 16
A. C. Casselman: Allee. extra services, 100.00; L. McCorkindale: Petty off. exp., 1.60	101 60
Sundry persons: Messenger service	6 50

## CROWN LANDS DEPARTMENT.

## SALARIES (\$45,347.95).

Hon. E. J. Davis: Ten and one-third months' salary as Commissioner	\$3,577 12
Hon. A. G. MacKay: One and two-third do do	422 88
Aubrey White: Twelve months' salary as Assistant Commissioner	3,250 00
Geo. Kennedy: do Law Clerk	2,200 00
Geo. W. Yates: do Clerk and Minister's Secretary	1,300 00
Selby Draper: do Secretary to Assistant Commissioner	1,000 00

## CIVIL GOVERNMENT.—Continued.

## CROWN LANDS DEPARTMENT.—Continued.

## LAND SALES AND FREE GRANTS.

J. J. Murphy: Twelve months' salary as Chief Clerk .....	1,900 00
E. S. Williamson: do Clerk .....	1,400 00
W. R. Ledger: do do .....	900 00
Walter Cain: do do .....	900 00
R. H. Browne: do do Military Grants .....	1,200 00
R. T. Winter: do do do .....	650 00
M. Bengough: do Stenographer .....	550 00

## SURVEYS AND PATENTS.

G. B. Kirkpatrick: Twelve months' salary as Director .....	2,200 00
J. F. Whitson: do Draughtsman and Surveyor .....	1,400 00
D. G. Boyd: do do .....	1,200 00
C. S. Jones: do Clerk of Patents and Inspector of Agencies .....	1,650 00
W. F. Lewis: do do .....	1,000 00
E. M. Jarvis: do do .....	800 00
J. B. Proctor: do do .....	800 00
C. E. Burns: do do .....	800 00

## WOODS AND FORESTS BRANCH.

J. A. C. Crozier: Twelve months' salary as Chief Clerk .....	1,800 00
K. Miller: do Clerk .....	1,100 00
J. B. Cook: do do .....	1,250 00
H. D. Gillard: do do .....	650 00
F. J. Niven: do do .....	800 00
W. S. Sutherland: do do .....	1,000 00
H. M. Lount: Ten do do .....	625 00
W. F. Trivett: Twelve do do .....	750 00

## ACCOUNTS BRANCH.

D. G. Ross: Twelve months' salary as Accountant .....	1,850 00
E. Leigh: do Clerk .....	1,200 00
M. J. Ferris: do do .....	1,100 00
A. E. Robillard: Eight and two thirds do .....	556 29
H. M. Lount: Two do do .....	166 66
Frank Yeigh: Twelve do Registrar .....	1,500 00
H. Cartwright: do Clerk .....	1,100 00
H. Brophy: do Messenger and Caretaker .....	600 00

## EXPENSES (\$16,927.39.)

Warwick Bros. & Rutter: Ptg. and binding, 1,189.59; Riordon Paper Mills: Paper, 80.27 .....	1,269 86
L. K. Cameron: Staty., 2,005.82; Paper, 612.55 .....	2,618 37
Grand & Toy: Staty., 7.25; Rolph Smith Co.: Stamping, 30.00 .....	37 25
Rolph Clark Co.: Stamping, 48.50; Rolla L. Crain Co.: Ledger leaves, binders, etc., 88.00 .....	136 50
T. Henry: Blue print paper, 44.85; W. McMaster: Postage stamps, 1,243.67 .....	1,288 52
Postmaster: Unpaid postage, 19.84; C. Gripton: Rubber stamps and reps., 42.60 .....	62 44
Can. Typewriter Co.: reps. and supplies, 12.25; United Typewriter Co.: exch. on machine, 70.00 .....	82 25
Remington Typewriter Co.: reps. and supplies, 24.30; D. Startup: repg. letter press, 1.25 .....	25 55
G. N. W. Tel. Co.: Telegrams, 60.75; C. P. R. Telegraph: Telegrams, 268.38 .....	329 13
Rell Tel. Co.: Messages, 59.10; Dept. Pub. Ptg.: Gazette, 4.00 .....	63 10
Might Directories: Directories, 22.00; Circuit Guide: Copies Guide, 2.00 .....	24 00
Toronto Ry. Guide: Copies Guide, 5.00; Can. Legal Pub. Co.: Legal charts and law lists, 15.00 .....	20 00
Annual Review: Subscription, 6.00; Outlook: Subscription, 4.75 .....	10 75
Can. Law Book Co.: Law books, 4.00; Carswell Co.: Law books, 5.00 .....	9 00
J. Lovell & Son: Law books, 3.00; M. J. Overell: Day calculator, 4.00 .....	7 00



## CIVIL GOVERNMENT.—Continued.

## CROWN LANDS DEPARTMENT.—Continued.

## EXPENSES.—Continued.

Scarboro Co.: Atlas, 15.00; Rand McNally & Co.: Atlas, 30.00	45 00
Grand & Toy: Int. tables	10 00
Sundry newspapers: Advertising, 265.89; Subscriptions to periodicals, 267.08	532 97
Association Ont. Land Surveyors: Fees, 8.00; C. Tarling & Co.: Mounting maps, 254.50	262 30
Art Metropole: Surveyors' supplies	2 00
Copp Clark Co.: 5,050 maps R. R. dist., 240.00; 5,000 maps part of Nipissing, 361.00; 250 maps, Timber berth A, 47.50; 3,000 maps Nipissing, 432.00; 1,000 maps Northern Ontario, 397.00; 500 maps Sudbury, 17.50	1,495 00
Steinberger Hendry Co.: 23 maps Ontario	56 25
D. C. Macleannan: Map of tps. in St. Lawrence (1786)	200 00
M. Thomas: Cartage, .50; Wright Cartage Co.: Cartage, 2.40	2 90
Dom. Express Co.: Charges, 156.12; Can. Express Co.: Charges, 51.40	187 52
Doane Bros.: Cab hire, 36.25; G. W. Verral: Cab hire, 3.00	39 25
P. Maher: Cab hire, 29.50; McElroy Bros.: Cab hire, 1.75	31 25
Travelling expenses: Hon. E. J. Davis, 203.85; C. S. Jones, 109.75; Aubrey White, 28.00; G. W. Yates, 13.05; G. B. Kirkpatrick, 82.71; E. S. Williamson, 8.00; J. J. Kelly, 12.00	457 36
Toronto Railway Co.: Car tickets	60 00
W. J. Carrell: Twelve months' salary as Clerk	900 00
J. J. Kelly: Services Clerk 2.50 per day, 785.00; D. Ross: Services Clerk 2.00 per day, 672.00	1,457 00
R. H. Hodgson: Services Clerk 2.00 per day, 174.00; at 13.00 per week, 453.15 at 700.00 per annum, 73.88	701 03
M. H. W. Kirkland: Services Stenog. at 10.00 per week, 468.57; at 400.00 per annum, 41.10	509 67
F. Samuels: Services office boy, at 3.50 per week, 120.00; at 4.00 per week, 53.00 at 5.00 per week, 43.32	216 32
Services 2.00 per day: E. A. Miller, 4.00; A. B. Rankin, 24.00; A. F. Malloy, 108.00; J. J. Matheson, 96.00; L. G. Ireland, 180.00 E. C. Dickson, 102.00; H. N. Baker, 72.00	586 00
M. C. Jaffray: Stenog. at 10.00 per week, 310.00; Alex. Niven: Examining field notes, 100.00 month, 600.00	910 00
H. L. Esten: Tracing plans, etc., 193.40; Can. Forestry Ass'n: Fees, 2.00	200 40
G. W. Yates: Transcript of evidence re King v. Larose, 188.10; Sundry persons: messenger service, 14.00	202 10
F. J. Apjohn: Registration fees	44 00
Military Grants: Warwick Bros. & Rutter: Printing and binding	147 45
Clark Litho Co.: Stamping, 100.00; Rolph. Smith & Co.: Stamping, 15.53	25 00
Clark Litho. Co: Stamping, 10.00; Rolph Smith & Co.: Stamping, 15.63	25 63
L. K. Cameron: Staty., 278.75; United Typewriter Co.: Rent of machine, 12.00	290 75
W. McMaster: Postage stamps	317 12
Stenog. at 10.00 per week: E. F. O'Neill, 500.00; E. M. Browne, 500.00	1,000 00
R. T. Winter: Services as clerk at 2.00 per day	54 00

## BUREAU OF MINES.

## SALARIES (\$4,700.00).

T. W. Gibson: Twelve months' salary as Director of Mines and Secretary of Parks.	
W. E. H. Carter: do Secretary	1,300 00
A. Moffatt: do Clerk and Stenographer	500 00
Jules Ferry: do do	400 00

## EXPENSES (\$2,832.40).

Warwick Bros. & Rutter: Printing and binding, 499.34; Rolph. Smith & Co.: Stamping, 14.38	503 72
Riordon Paper Mills: Paper, 464.20; W. McMaster: Postage stamps, 141.48	605 68
I. K. Cameron: Staty., 243.59; Paper, 11.73; United Typewriter Co.: Rent of type- writer, 44.00	299 32
National Typewriter Co.: Repairs and supplies, 3.75; Can. Legal Pub. Co.: Law list, 3.00	6 75

## CIVIL GOVERNMENT.—Continued.

## BUREAU OF MINES.—Continued.

## EXPENSES.—Continued.

Might Directories: Directory, 6.00; Engineering Magazine: Subscription, 3.00 .....	9 00
Iron Age: Subscription, 5.00; Engineering & Mining Journal: Subscription, 18.00 .....	23 00
London Times: Subscription, 5.00; N. E. Inst. Mining and Mechanical Engineers: Subscription, 10.43 .....	15 43
Can. Forestry Assn.: Subscription, 1.00; Can. Mining Inst.: Subscription, 20.00 .....	21 00
Journal of Geology: Subscription, 3.00; Am. Inst. Mining Engineers: Sub., 11.00 .....	14 00
School of Mining Quarterly: Subscription, 2.00; Electro-Chemical Industry: Sub., 2.00 .....	4 00
La Bulletin' du Commerce: Subscription, 4.80; Waghorn's Guide: Sub., 2.00 .....	6 80
Sundry newspapers and periodicals: Advertising, 195.85; Subscriptions, 28.00 .....	223 85
Books: Linscott Pub. Co., 10.00; Chemical Pub. Co., 8.75; G. N. Morang & Co., 7.50; J. Wiley & Sons, 10.40; Can. Ry. News Co., 11.50; Cremer & Bicknel, 3.50 .....	
Carswell Co., 3.30; D. VanNostrand, 5.26; Queen's Quarterly, .50 .....	
Williamson & Co., 4.00; D. VanNostrand Co., 1.50; P. S. King & Son, 10.01 .....	
C. E. Wingate, 3.75; Estate A. Macdonell, 20.00; Crosby, Lockwood & Son, 16.43; Aldine Book Co., 2.00; A. H. Clark Co., 2.09 .....	120 49
G. N. Tel. Co.: Telegrams, 11.10; C. P. R. Telegraph: 29.48; Bradstreet Co. Tel., 1.88 .....	42 46
Dom. Express Co.: Charges, 55.60; Can. Express Co.: Charges, 32.40 .....	88 00
Wright Cartage Co.: Cartage, 3.35; G. T. Ry. Co.: Freight charges, 2.85 .....	6 20
T. R. Haig: Cartage, 1.00; W. L. Griffith: Express charges, 4.68 .....	5 68
T. W. Gibson: Trav. expenses, 147.51; P. Maher: Cab hire, 1.00 .....	148 51
Doane Bros.: Cab hire, 1.00; J. Wilson: Cotton bags, 10.50 .....	11 50
Lyman Bros. & Co.: Bottles for samples, 2.70; W. Ferguson: Photo, 1.00 .....	3 70
Photo Supplies: J. G. Ramsay & Co., 37.25; Bruce Photo Art Co., 3.00; .....	
F. W. Micklethwaite, 5.52; Roy Studio, 1.50; A. J. Reading, 6.55; E. Tozer, 18.80 .....	72 82
Art Metropole: Instruments, etc., 16.50; Steinberger Hendry Co.: Map Ont., 5.00 .....	21 50
C. C. Baines: Map World, 2.00; Toronto Litho Co.: Maps mining dist. 218.37 .....	220 37
Copp, Clark Co.: 4,500 maps Sudbury mining district .....	120 00
Blue Print & Copying Co.: Prints, .75; C. Tarling & Co.: Map Ont., 5.00 .....	9 75
L. G. Ireland: Tracing maps, 31.00; W. F. Tubesing: Drafting, 12.02 .....	43 02
Elliott & Son Co.: Altering map Ont. for St. Louis fair .....	43 30
McIntosh Granite Co.: Splitting ore, 3.00; J. J. Kehoe: Copy disposition late John Waters, 2.60 .....	5 60
W. H. Ellis, M. B.: Determining the heating power of peat .....	5 00
Thos. Oliver: Copies dispositions re inquest .....	2 00
J. Eggert: Translating Norwegian pamphlet, 25.00; M. E. Myers: Stenog. at 6.00 per week, 63.35 .....	88 35
P. C. McArthur: Preparing index to report .....	41 60

## COLONIZATION AND FORESTRY.

## SALARIES (\$5,441.66).

Thos. Southworth: Twelve month's salary as Director of Colonization and Forestry..	2,000 00
J. F. Clark: Five do Forester.....	666 66
N. McLeod: Twelve do Clerk and Stenographer .....	500 00
A. Robertson: do do do .....	950 00
J. Cadioux: do do do .....	725 00
R. M. Persse: do do Constable at sheds .....	600 00

## EXPENSES (\$1,980.17).

Warwick Bros. & Rutter: Printing and binding .....	51 45
K. Cameron: Staty., 76.15; Paper, 3.90; W. McMaster: Postage stamps, 317.33 .....	397 38
Steinberger Hendry Co.: Maps of Ontario, 10.00; C. Gripton: Stamps and repairs. 5.00 .....	15 00
United Typewriter Co.: Machine, 120.00; Can. Legal Pub. Co.: Law list, 3.00 .....	123 00
Might Directories: Directory, 6.00; Literary Digest: Subscription, 3.00 .....	9 00
Paper, Mill & Wood Pulp News: Subscription, 5.00; Monthly Review: Sub., 5.00 .....	10 00
Mass. Forestry Ass'n.: Annual dues, 2.00; Amer. Forestry Ass'n.; Annual dues, 2.00 .....	4 00
Can. Forestry Ass'n: Annual dues, 2.00; N. A. Fish & Game Prot. Ass'n: Annual dues, 5.00 .....	7 00
Penn. Forestry Assn: Annual dues, 3.00; Manufacturers list, books, 5.00 .....	8 00
J. McDonough: Books, 3.24; A. P. Watts: books, 3.75 .....	6 99
Sundry newspapers: Subscriptions, 19.00; G. N. W. Tel. Co.: Telegrams, 18.67 .....	37 67

## CIVIL GOVERNMENT.—Continued.

## COLONIZATION AND FORESTRY.—Continued

## EXPENSES.—Continued.

C. P. R. Telegraph: Telegrams, 12.42; Bell Telephone Co.: Messages, 17.65	30 07
C. W. Irwin: <b>Duty</b> , brokerage, etc., on lantern slides, 21.35; Can. Exp. Co.: Charges, 2.50	23 85
Dom. Express Co.: Charges, .55; University N. Y.: To pay express charges, 1.40	1 95
Wright Cartage Co.: Cartage, .25; Doane Bros.: Cab hire, 2.75	3 00
T. Southworth: Trav. expenses, 277.41; J. F. Clark: Trav. expenses, 123.60	401 01
L. Loughrin: Board of director and staff, 13.00; W. J. Flewelling: Supplies, 30.01	43 01
A. B. Wetherup: Supplies for Press Ass'n and Comr's party	104 46
J. Gifford: 300 lantern slides, 75.00; J. G. Ramsey & Co.: Photo supplies, 51.50	126 50
T. Eaton Co.: Photo supplies, 4.43; Art Metropole: Draughtsman's supplies, 19.00	23 43
O. Spanner & Co.: Mounted deer head, 12.00; P. Thompson: Services <i>re</i> report at 3.00, 15.00	27 00
L. Kemp: Services at 2.00 per day, 156.00; A. D. Miller: Services at 2.00 per day, 90.00	246 00
A. S. Moorehead: Services at 2.00 per day, 72.00; J. A. Evans: Services at 2.00 per day, 144.00	216 00
F. Rightmeyer: Services at 2.00 per day, 40.40; C. Karge: Translating letters, 5.00	45 40
L. G. Ireland: Tracing maps, 4.00; B. Mullen: Copy of evidence <i>re</i> Col'n. Com., 15.00	19 00

## PUBLIC WORKS DEPARTMENT.

## SALARIES (\$24,067.00).

Hon. F. R. Latchford: Ten and one-third months' salary as Commissioner	3,577 12
Hon. W. A. Charlton: One and two-third do do	422 88
A. W. Campbell: Twelve months' salary as Assistant Commissioner	2,400 00
Kivas Tully: do Consulting Engineer and Architect	1,500 00
R. P. Fairbairn: do Engineer	1,800 00
F. R. Heakes: do Architect	1,900 00
Wm. Edwards: Five do Secretary	417 00
H. E. Moore: Twelve do Assistant Architect	1,200 00
J. P. Edwards: do Accountant and Law Clerk	1,350 00
M. C. O'Donnell: do Clerk and Paymaster	1,200 00
H. F. McNaughton: do Minister's Secretary	1,100 00
M. J. Jarrett: do Clerk and Stenographer	550 00
M. Brown: do do do	400 00
C. O'Grady: do do of Fyles	500 00
W. A. McLean: do do Highways Branch	900 00
G. Forrester: do Messenger and Caretaker	600 00
M. St. Charles: do Stenographer Highways Branch	400 00
Henry Smith: do Superintendent Colonization Roads	1,900 00
J. H. Bradshaw: do Clerk do do	950 00
M. P. Doherty: do Accountant do do	1,000 00

## EXPENSES (\$7,625.49).

Warwick Bros. & Rutter: Printing and binding, 501.64; Rolph, Smith & Co.: Stamp- ng, 11.25	512 89
Riordon Paper Mills: Paper, 426.23; Thos. Henry: Blue print paper, etc, 146.15	572 38
L. K. Cameron: Staty., 426.03; Paper, 167.78	593 81
Rolla L. Crain Co.: Binders, 5.00; Mrs. Hubertus: Postage stamps, 380.00	385 00
Postmaster: Unpaid postage, 6.56; C. Gripton: Numbering machine, 10.00	16 56
C. Gripton: Rubber stamps and repairs, 37.50; Remington Typewriter Co.: Balance on machine, 75.00	112 50
Remington Typewriter Co.: Repairs, 25.00; Remington Typewriter Co.: Rent of machine, 12.50	37 50
Might Directories: Directories, 19.50; Can. Legal Pub. Co.: Law lists, 9.00	28 50
Toronto Ry. Guide: Copies Guide, 5.00; Can. Society Civil Engineers: Sub., 8.00	13 00
Engineering Record: Subscription, 6.00; Annual Review: Subscription, 9.00	15 00
Engineers' Club: Subscription	5 00
Law Books: Carswell Co., 5.00; National Electric Light Ass'n, 2.00;	
W. Tyrrell & Co., 29.00; Vanevar & Co., 7.50; Carnegie Steel Co., 1.03	44 53
Sundry newspapers: Subscriptions, 240.40; Copies, .84	241 24

## CIVIL GOVERNMENT.—Continued.

## PUBLIC WORKS DEPARTMENT.—Continued.

## EXPENSES.—Continued.

G. N. W. Tel. Co.: Telegrams, 62.32; C. P. R. Telegraph, 174.43	236 75
Bell Tel. Co.: Messages, 208.65; Toronto Ry. Co.: Car tickets, 135.00	343 65
Dom. Express Co.: Charges, 4.25; Can. Express Co.: Charges, 9.59	13 84
C. O'Grady: To pay freight charges, 1.79; C. P. Railway Co.: Freight charges, 4.95	6 74
Doane Bros.: Cab hire	71 75
Trav. expenses: Hon. F. R. Latchford, 289.00; A. W. Campbell, 595.70; F. R. Heakes, .85; Henry Smith, 38.80; W. A. McLean, 96.85; M. J. Quinn, 2.35; R. P. Fairbairn, 2.35	1,025 90
Grip, Limited: Half tones, 6.00; A. G. Pittaway: Photos, 2.00	8 00
M. Cunningham: Photos	5 00
Photo supplies: J. G. Ramsey & Co., 41.00; J. J. Millekin, 9.50; W. J. Topley, 40.55	91 05
C. Tarling & Co.: Mounting maps	8 50
H. F. Jell: Legal services and expenses re inspection of roads	26 83
James McEwing: Report re Wellington Co. road system	15 00
D. Millan: Report re Simcoe road system	15 00
E. Kenrick: Report re Wentworth road system	20 00
J. A. Bell: Services and expenses inspecting roads	33 96
T. Burton: Services as draughtsman Engineer's office at 3.00 per day	507 00
Services, draughtsman, 75.00 per month; G. A. Richardson, 675.00; E. H. Russell, 300.00	975 00
Services at 2.00 per day: A. D. Hardy, 394.00; M. L. Hart, 99.00; H. M. Quinn, 168.00; P. J. Dawkes, 188.00; J. Daley, 252.00; W. E. D. Bradwin, 82.00; Dora Shannon, 2.00; M. Orr, 9.00	1,194 00
Services at 8.00 per week: O. Walker, 132.00; E. S. Purvis, 128.00	260 00
Sundry persons: Messenger service, 5.55; W. A. Dunbar: Messenger at 1.00 per day, 109.00	114 55
W. J. Pegg: Messenger at 1.50 per day	31 50
Architect and Engineers' supplies: C. Potter, 12.50; James Foster, 13.75; Art Metropole, 10.00	36 25
J. P. Edwards: To pay petty office expenses	7 31

## FISHERIES BRANCH.

## SALARIES (\$6,300.00).

S. T. Bastedo: Twelve months' salary as Deputy Commissioner	2,200 00
J. S. Webster: do Chief Clerk	1,400 00
W. W. Ellis: do Clerk	900 00
H. G. Cox: do do	850 00
A. B. Wallace: do do and Stenographer	500 00
J. J. Mulligan: Eight do do	298 00
A. J. McNeill: Four do do	152 00

## EXPENSES (\$1,563.21).

Warwick Bros. & Rutter: Printing and binding, 211.79; Riordon Paper Mills: Paper, 80.10	291 89
Rolph, Clark Co.: Stamping, 12.50; W. McMaster: Postage stamps, 270.00	282 50
Postmaster: Unpaid postage	5 68
L. K. Cameron: Staty., 211.97; Paper, 122.47; G. N. W. Tel. Co.: Telegrams, 54.22	388 66
C. P. R. Telegraph: Telegrams, 44.86; Bell Tel. Co.: Messages, 21.25	66 11
Remington Typewriter Co.: Repairs and supplies, 5.50; Toronto Ry. Co.: Car tickets, 15.00	20 50
Doane Bros.: Cab hire	5 75
Travelling expenses: S. T. Bastedo, 97.20; H. G. Cox, 43.05; W. W. Ellis, 270.00	410 25
Dom. Express Co.: Charges, 3.20; Can. Express Co.: Charges, 1.55	75
Wright Cartage Co.: Cartage, 1.50; G. T. Ry. Co.: Freight charges, .50	2 00
Subscriptions: Forest & Stream, 9.54; Fishing Gazette, 2.03; Circuit Guide, 1.25; Intl. Ry. Guide, 1.00	13 82
Night Directories: Directory, 6.00; Toronto Ry. Guide: Subscription, 4.50	10 50
Can. Legal Pub. Co.: Law lists, 3.00; Rod & Gun: Subscription, 2.00	5 00
Field & Stream: Subscription	1 53



## CIVIL GOVERNMENT.—Continued.

## FISHERIES BRANCH.—Continued.

## EXPENSES.—Continued.

Sundry newspapers: Advertising, 1.29; Subscriptions, 25.43 .. .. .	26 72
C. Tarling & Co.: Mounting maps, 1.25; Julian Sale Leather Goods Co.: rep. bag, .30	1 55
Chas. Potter: Admiralty chart, 1.00; E. B. Balfour: Messenger, 10.00 .. .. .	11 00
M. Brown: Services as Stenog., 10.00; Sundry persons: Messenger service, 5.00 .. .. .	15 00

## GAME PROTECTION.

## SALARIES (\$2,250.00).

E. Tinsley: Twelve months' salary as Chief Warden .. .. .	1,400 00
J. H. Pegg: do Clerk .. .. .	850 00

## EXPENSES (\$498.47).

Warwick Bros. & Rutter: Printing and binding, 162.75; Riordon Paper Mills: Paper, 10.23 .. .. .	172 98
L. K. Cameron: Staty., 37.44; Paper, 91.91 .. .. .	129 35
Postmaster: Unpaid postage, 1.26; W. McMaster: Postage stamps, 104.00 .. .. .	105 26
G. N. W. Tel. Co.: Telegrams, 12.59; C. P. R. Telegraph: Telegrams, 20.29 .. .. .	32 88
Dom. Express Co.: Charges, 17.30; Can. Express Co.: Charges, 4.20 .. .. .	21 50
Toronto Ry. Co.: Car tickets, 31.00; C. Tarling & Co.: Mounting maps, .50 .. .. .	31 50
E. Tinsley: Travelling expenses .. .. .	5 00

## LABOR BUREAU.

## SALARIES (\$2,050.00).

Robert Glockling: Twelve months' salary as Secretary .. .. .	1,500 00
M. I. Nolan: do Clerk and Stenographer .. .. .	550 00

## EXPENSES (\$1,238.70).

Warwick Bros. & Rutter: Printing and binding, 229.65; Riordon Paper Mills: Paper, 193.37 .. .. .	428 02
Rolph, Smith & Co.: Stamping .. .. .	6 00
L. K. Cameron: Staty., 66.71; Paper, 9.82; Postmaster: Unpaid postage, .15 .. .. .	76 68
Mrs. Hubertus: Postage stamps, 20.00; C. Gripton: Stamp repairs, 1.00 .. .. .	21 00
G. N. W. Tel. Co.: Telegrams, .25; C. P. R. Telegraph: Telegrams, 1.15 .. .. .	1 40
Bell Telephone Co.: Messages, 1.50; Can. Legal Pub. Co.: Law list, 3.00 .. .. .	4 50
Night Directories: Directory, 6.00; Sun Pub. Co.: Subscription, 1.00 .. .. .	7 00
Globe Ptg. Co.: Subscriptions, 6.90; Vanconver Independent: Subscription, 4.00 .. .. .	10 90
Advertising: Industrial Banner, 7.50; The Toiler, 62.40 .. .. .	
Labor Directory, 11.00; Labor Day Souvenir, 10.00 .. .. .	
Machinists' Excursion: Programme, 4.00; Labor Educ'n'l Ass'n, 3.75 .. .. .	
Social Progress Co.: 22.00; Labor of Statistics, 8.00; Trades Union Guide, 10.00 ..	138 65
R. Glockling: Trav. expenses, 448.55; P. J. Dawkes: Services at 2.00 per day, 96.00..	544 55

## TREASURY DEPARTMENT.

## SALARIES (\$23,033.88).

Hon. G. W. Ross: Twelve months' salary as Premier and Treasurer .. .. .	7,000 00
W. N. Anderson: do Assistant Treasurer .. .. .	2,500 00
L. V. Percival: do Clerk of Bonds and Algoma Taxes .. .. .	1,600 00
W. N. Douglas: do First-Class Clerk .. .. .	1,300 00
G. W. Duncan: do Second-Class Clerk .. .. .	1,100 00
T. J. Wells: do Junior Second-Class Clerk .. .. .	850 00
D. R. Mackenzie: do do do do .. .. .	850 00
N. H. Crow: do do do do .. .. .	700 00
A. E. Semple: do do do do and Stenographer .. .. .	1,050 00
W. A. P. Byrch: do do do do .. .. .	650 00
A. Gayfer: do Clerk and Bank Messenger .. .. .	750 00
C. Jeffrey: do Stenographer .. .. .	600 00
E. Cosgrove: do Messenger .. .. .	300 00

CIVIL GOVERNMENT.—*Continued.*TREASURY DEPARTMENT.—*Continued.*SALARIES.—*Continued.*

## Succession Duties Branch:

Frank Ford: Four months' salary as Solicitor	733 34
J. B. McLeod: Nine and one-half months' salary as Solicitor	1,750 54
J. S. Rowland: Twelve months' salary as Second-Class Clerk	850 00
M. O. Norris: do Stenographer	450 00

## EXPENSES (\$3,609.18).

Warwick Bros. & Rutter: Printing and binding, 270.76; Rlondon Paper Mills: Paper, 92.77	363 53
Rolph, Smith & Co.: Cheque books and stamping, 100.75; Rolph, Clark Co.: Stamp- ing, 114.43	215 18
Hart & Riddell: Embossing, 17.39; Newsome & Co.: Staty., 1.90	19 29
L. K. Cameron: Staty., 398.23; Paper, 124.07; Clarke Litho Co.: Cheque books, 175.50	697 20
Mrs. McIntyre: Postage stamps, 418.00; Mrs. Hubertus: Postage stamps, 295.00	713 00
Postmaster: Unpaid postage, 11.10; Cashier: Postage stamps, 69.74	80 84
C. Gripton: Stamps and repairs, 42.70; United Typewriter Co.: Repairs and supplies, 2.00	44 70
Can. Typewriter Co.: Repairs and supplies, 2.00; Newsome & Gilbert: Rent of type- writer, 90.00	92 00
Rolla L. Crain: Binders, leaves, etc., 2.00; National Typewriter Co.: Repairs and supplies, .85	2 85
Can. Legal Pub. Co.: Law list, 7.50; Circuit Guide: Copies Guide, 1.25	8 75
Subscriptions: Toronto Ry. Guide, 10.00; Annual Review, 3.00; Financial Review, 6.00; Bradstreets, 25.00	44 00
Might Directories: Directories, 12.00; Can. Bankers' Ass'n: Fee and copy of Acts, 1.40	13 40
Sundry newspapers: Subscriptions	166 29
Books: Carswell Co., 10.75; Can. Law Book Co., 9.00; J. Lovell & Son, 5.50; J. Knight, 2.00	27 25
Harold A. Wilson Co.: Cable code, 7.00; G. N. W. Tel. Co.: Telegrams, 78.02	85 02
C. P. R. Telegraph Co.: Telegrams, 99.79; Bell Tel. Co.: Messages, 10.70	110 49
Sundry Banks: To pay telegrams, 2.75; Dom. Express Co.: Charges, .60	3 35
Can. Express Co.: Charges, 3.51; Toronto Ry. Co.: Car tickets, 100.00	103 51
Doane Bros.: Cab hire, 211.25; G. W. Verral: Cab hire, .50	211 75
Hon. G. W. Ross: Trav. expenses, 34.00; To pay telegrams and phones, 9.75	43 75
C. H. Chase: Trav. expenses, 20.05; W. N. Douglas: Trav. expenses, 7.50	27 55
N. H. Crow: Trav. expenses	7 90
J. Mackay & Co.: Preparing statement re drains Warton Beet Sugar Co	22 50
C. Tarling & Co.: Mounting maps, 3.75; Julian Sale Leather Goods Co.: Wallet, 2.75	6 50
Office Specialty Co.: Desk trays, etc., 9.30; Jas. Rennie: Messenger at 1.00 per day, 104.00	113 30
C. H. Chase: Petty office exp., 3.00; Sundry persons: Messenger service, 7.75	10 75
Succession Duties Branch:	
Warwick Bros. & Rutter: Printing and binding	71 60
L. K. Cameron: Staty., 146.17; Paper, 41.89; C. Gripton: Stamp and repairs, 5.50	193 56
National Typewriter Co.: Exchange on machine, 80.00; Circuit Guide: Copies Guide, .50	80 50
Can. Legal Pub. Co.: Law list, 4.50; G. N. W. Tel. Co.: Telegrams, .53	5 03
C. P. R. Tel. Co., .54; Bell Tel. Co.: Messages, 5.70	6 24
Ont. Law Society: Fees for F. Ford	17 00

## PROVINCIAL AUDIT OFFICE.

## SALARIES (\$9,200.00).

C. H. Sproule: Twelve months' salary as Provincial Auditor	2,500 00
W. W. Wood: do Assistant do	1,600 00
A. J. Rattray: do Chief Clerk	1,600 00
T. P. Stewart: do First-Class Clerk	1,350 00
G. A. Brown: do Second-Class do	950 00
C. O. Brimer: do Junior Second-Class Clerk	800 00
W. A. Gloekling: do Clerk and Stenographer	400 00



## CIVIL GOVERNMENT.—Continued.

## PROVINCIAL AUDIT OFFICE.—Continued.

## EXPENSES (\$1,041.72).

Warwick Bros. & Rutter: Printing and binding, 56.10; Rolla L. Crain Co.: Binders, leaves, etc., 68.45	124 55
Hart & Riddell: Embossing and engraving die	13 75
L. K. Cameron: Staty., 139.06; Paper, 41.39; Mrs. Hubertus: Postage stamps, 35.00	215 45
C. Gripton: Stamp repairs, 1.50; Can. Typewriter Co.: Repairs and supplies, 19.50	21 00
J. Lovell & Son: Legal compendium, 3.00; Annual Review: Subscription, 3.00	6 00
Might Directories: Directory, 6.00; Railway and Steamboat Guide: Sub., 5.00	11 00
Sundry newspapers: Subscriptions, 10.45; C. P. R. Telegraph: Telegrams, .26	10 71
Bell Tel. Co.: Messages, 1.40; J. J. O'Leary: Cab hire, 3.00	4 40
Toronto Ry. Co.: Car tickets, 15.00; Can. Express Co.: Charges, .60	15 60
Travelling expenses: T. P. Stewart, 97.10; A. J. Rattray, 46.35	143 45
G. A. Brown, 49.75; W. W. Wood, 73.45	123 20
A. W. Bell: Services re Pub. Ac. at 3.50 per day, 70.00; Allie Rattray: Services re Pub. Ac. at 2.50 per day, 70.00	140 00
Jas. Brayley: Services at 2.00 per day, 189.00; B. Findlay: Services as Messenger at 5.00 per week, 16.66	205 66
W. A. Glockling: To pay sundries, 2.70; Sundry persons: Messenger service, 4.25	6 95

## PROVINCIAL SECRETARY'S DEPARTMENT.

## SALARIES (\$18,795.00).

Hon. J. R. Stratton: Ten and one-third months' salary as Secretary and Registrar	\$3,577 12
Hon. Geo. P. Graham: One and two-thirds do do do	422 88
Thos. Mulvey: Twelve months' salary as Assistant Secretary	2,500 00
J. B. McLachlan: do First-Class Clerk	1,400 00
J. D. Warde: do do do	1,350 00
E. Jenkinson: do Second-class Clerk	1,000 00
R. A. Eaton: do Junior Second Clerk	800 00
E. A. Dent: do Stenographer	600 00
E. C. Meyers: Eleven do Second-class Clerk and Secretary	1,145 00
L. F. Young: Seven do Messenger and Caretaker	350 00
W. F. Lillico: Three do do do	150 00
J. F. C. Ussher: Twelve do Deputy Registrar	1,450 00
L. Homfray Irving: do First-class Clerk	1,250 00
F. Costello: do Junior Second do	800 00
Geo. O'Leary: do do Clerk	490 00
Arthur Graham: do do do	490 00
M. M. Durkin: do Stenographer	550 00
L. C. Morrow: do do	520 00

## EXPENSES (\$4,155.10).

Warwick Bros. & Rutter: Printing and binding, 465.45; Rolph, Smith & Co.: Stamping, 12.50	477 95
Rolph, Clark Co.: Die and embossing, 13.25; Riordon Paper Mills: Paper, 3.65	16 90
L. K. Cameron: Staty., 975.35; paper, 293.46; W. McMaster: Postage stamps, 330.00	1,598 81
L. McIntyre: Postage stamps, 750.00; Postmaster: Unpaid postage, 12.31	762 31
C. Gripton: Stamps and repairs, 24.60; Can. Typewriter Co.: Repairs and supplies, 4.25	29 85
United Typewriter: Repairs and supplies, 2.50; G.N.W. Tel. Co.: Telegrams, 21.32	23 82
C.P.R. Telegraph: Telegrams, 29.16; Bell Tel. Co.: Messages, 20.30	49 46
Dom. Express Co.: Charges, 3.50; Can. Express Co.: Charges, 7.03	10 53
Toronto Ry. Co.: Car tickets, 36.00; Doane's Livery: Cab hire, 99.50	135 50
P. Maher: Cab hire, 27.00; Hon. J. R. Stratton: Trav. expenses, 179.50	205 50
T. Mulvey: Trav. expenses, 95.20; Can. Legal Pub. Co.: Law lists, 12.00	107 20
Might Directories: Directories	12 00
Subscriptions: Annual Review, 3.00; Ry. & Steamboat Guide, 10.00; Circuit Guide Pub. Co., 1.50; Canadian Mag., 2.50	17 00
Sundry Newspapers: Subscriptions	161 P5
Books: Carswell Co., 57.05; A. Britnell, 1.50; Wm. Tyrrell Co., 1.25	59 80
Julian Sale Leather Goods Co.: Despatch boxes, 24.00; Superior Mfg. Co.: Wax, seal and coat of arms, 3.00	27 00

## CIVIL GOVERNMENT.—Continued.

## PROVINCIAL SECRETARY'S DEPARTMENT.—Continued.

## EXPENSES.—Continued.

T. Eaton Co.: Ribbon for returns, .54; R. E. Walker & Co.: Ribbons for returns, 1.06..	1 60
L. C. Morrow: Services as Stenog., 58.57; Tura Moore: Services at 7.00 per week, 14.00..	72 57
C. Chown: Services as clerk at 2.00 per day, 80.00; F. J. Glackmeyer: Services as clerk at 2.00, 136.00.....	216 00
R. M. Williams: engrossing charters, 88.50; Sundry persons: Messenger service, 6.50	95 00
Marriage Licenses:—	
Warwick Bros. & Rutter: Printing and binding, 64.05; D. Ecoles: Services at 1.50 per day, 13.50 ..	77 55
Joint Stock Companies:—	
Warwick Bros. & Rutter: Printing and binding ..	56 90

## INSPECTION PUBLIC INSTITUTIONS.

## SALARIES (\$15,383.34).

R. Christie: Twelve months' salary as Inspector of Asylums .....	2,600 00
T. F. Chamberlain: Nine do do Prisons and Charities .....	1,874 00
R. W. Bruce Smith: Three do do do .....	626 00
Jas. Noxon: Twelve do do do Reformatories ..	2,400 00
J. Mann: do do First-class Clerk .....	1,400 00
W. A. Kavanaugh: do do do .....	1,250 00
F. M. Nicholson: do do do .....	1,250 00
I. R. Aikens: do do Second-class Clerk .....	1,150 00
F. C. Williams: do do do .....	1,050 00
H. B. McBain: Six do do Junior Second-class Clerk .....	400 00
C. LeBrun: Five do do do .....	333 34
M. Twomey: Twelve do do Stenographer .....	400 00
E. C. Jury: do do Caretaker and Messenger .....	650 00

## EXPENSES (\$3,428.89).

Warwick Bros. & Rutter: Printing and binding, 421.91; Riordon Paper Mills: Paper, 58.46 ..	480 37
Stamping: Rolph, Smith & Co., 9.38; Rolph, Clark Co., 3.75.....	13 13
L. K. Cameron: Stat'y, 89.19; paper, 55.05; Mrs. Hubertus: Postage stamps, 475.00....	619 24
Postmaster: Unpaid postage, 5.38; C. Gripton: Stamps and repairs, 18.00.....	23 58
Can. Typewriter Co.: Repairs and supplies, .75; G.N.W. Tel. Co.: Telegrams, 56.30.....	57 05
C.P.R. Telegraph: Telegrams, 21.20; Bell Tel. Co.: Messages, 10.85.....	32 05
Toronto Ry. Co.: Car tickets, 70.00; Can. Express Co.: Charges, .24.....	70 24
R. Bond: Cab hire, .75; Doane Bros.: Cab hire, 24.50.....	25 25
Travelling expenses: R. W. B. Smith, 164.80; T. F. Chamberlain, 321.06; R. Christie, 58.90; James Noxon, 50.00; I. R. Aikens, 115.55; F. M. Nicholson, 16.65; F. C. Williams: 23.45.....	750 41
Jas. Russell, M.D.: Trav. exp. and reporting re visiting gaols of province re lunatics confined ..	120 50
N. H. Beemer, M.D.: do do ..	92 70
Can. Legal Pub. Co.: Law list, 4.50; Night Directories: Directory, 6.00.....	10 50
Subscriptions: Toronto Ry. Guide, 5.00; Journal of Mental Science, 5.50; Scientific American, 3.03; American Journal of Insanity, 5.03; Cordage Trade Journal, 2.10	
Can. Manufacturer, 1.00; Intl. Railway Guide, 1.00; Charity Organiz'n Society, 2.03; Monetary Times, 2.00; Farmer's Advocate, 2.00.....	23 69
Nat'l. Conference of Charities: Annual dues, 2.53; Sundry Newspapers: Subs'cn, 23.00.	25 53
Sheppard Pub'g. Co.: Writing up asylum for insane, Toronto, 150.00; Mercer Ref't'y., 150.00 .....	300 00
I. R. Aikens: Extra services re revision of gaol rules and regulations .....	150 00
do Extra services during illness of Inspectors Noxon and Chamberlain..	300 00
Washington & Beasley: Legal services re gaol investigation, escape of prisoners ..	25 00
E. L. Reid: Taking evidence, copying, etc., re do do .....	11 00
W. P. Band: Expenses re removal, Penetang to Toronto.....	100 05
R. W. B. Smith: Expenses re removal, Brockville to Toronto .....	60 80
M. E. Flannigan: Services as stenog. at 7.00 per week .....	133 00

## CIVIL GOVERNMENT.—Continued.

## LICENSE BRANCH AND AUDIT JUSTICE ACCOUNTS.

## SALARIES (\$9,116.20).

Endo Saunders: Twelve months' salary as Chief Officer.....	2,000 00
J. W. Gordon: Eight and one-quarter months' salary as Provincial Inspector.....	1,366 20
J. F. Mowat: Twelve months' salary as First-class Clerk.....	1,550 00
S. J. Crosby: do Second-class do.....	1,000 00
W. Phelan: Eight do Junior Second-class Clerk.....	499 00
J. J. Mulligan: Four do do do.....	251 00
R. Mayhood: Twelve do do do.....	750 00
E. A. Macclairin: do Inspector Criminal Justice Accounts.....	1,700 00

## EXPENSES (\$1,416.15).

Rolph, Smith & Co.: Stamping, 2.50; Hart & Riddell: Embossing, 7.50.....	10 00
L. K. Cameron: Stat'y., 24.56; Mrs. Hubertus: Postage stamps, 25.00.....	49 56
Postmaster: Unpaid postage, 5.16; C. Gripton: Stamps and repairs, 9.75.....	12 91
Can. Typewriter Co.: Rep's. and supplies, 3.32; Remington Typewriter Co., repairs, 10.65.....	13 97
G.N.W. Tel. Co.: Telegrams, 14.61; C.P. R. Telegraph: Telegrams, 19.63.....	34 24
Bell Tel. Co.: Messages, 9.55; Dom. Express Co.: Charges, 1.70.....	11 25
Can. Express Co.: Charges.....	1 55
Law Books: Can. Law Book Co., 6.00; Carswell Co., 11.60.....	17 60
J. Lovell & Son: Index to statutes, 3.00; legal compendium, 3.00.....	6 00
Can. Legal Pub. Co.: Law lists, 7.50; Might Directories: Directory, 6.00.....	13 50
Subscriptions: Circuit Guide, 1.50; International Ry. Guide, 1.00; Toronto Ry. Guide, 5.00; Can. Law Journal, 5.00.....	12 50
E. B. Brown: Copy judgment, 1.07; Sundry Newspapers: Subsc'r'n's, 12.00.....	13 07
W. T. Tidy: Wreath for funeral of J. K. Stewart.....	10 00
Services at 2.00 per day: J. Armstrong, 300.00; A. W. Macpherson, 276.00; R. Biggs, 128.00; H. H. G. Couthard, 144.00.....	848 00
R. J. Moore: Services at 6.00 per week, 292.00; Tura Moore: Services at 7.00 per week, 70.00.....	362 00

## REGISTRAR-GENERAL'S BRANCH.

## SALARIES (\$10,707.66).

P. H. Bryce, M.D.: One months' salary as Dep. Reg.-General and Sec'y. Bd. of Health.....	216 00
C. A. Hodgetts: Eleven do do do do do.....	2,291 60
R. B. Hamilton: Twelve do Inspector.....	1,300 00
Geo. Wheeler: do Second-class Clerk.....	1,100 00
J. McG. Ridley: do do.....	950 00
J. P. Conway: do do.....	1,050 00
T. K. Rogers: do do.....	950 00
C. S. Horrocks: do do.....	950 00
F. Jones: do do.....	850 00
H. J. Scobie: do Stenographer.....	550 00
J. H. Latimer: do Messenger.....	500 00

## EXPENSES (\$3,935.37).

Warwick Bros. & Rutter: Printing and binding, 457.18; Riordon Paper Mills: Paper, 71.81.....	528 99
Stamping: Rolph, Smith & Co., 1.25; Rolph Clarke Co., 5.00.....	6 25
L. K. Cameron: Staty., 452.60; paper, 82.95; Postmaster: Unpaid postage, .51.....	536 06
W. McMaster: Postage stamps, 75.00; G.N.W. Tel. Co.: Telegrams, .58.....	75 58
C.P.R. Telegraph: Telegrams, .56; C. Gripton: Stamps and repairs, 9.00.....	9 56
R. Cairns: Seal, &c., 4.00; Littlejohn & Vaughan: Zinc cut, 1.00.....	5 00
Might Directories: Directory, 6.00; Hart & Riddell: Registers etc., 13.28.....	19 28
Aikenhead Hardware Co.: Cash box, 4.00; Can. Express Co.: Charges, .45.....	4 45
R. B. Hamilton: Travelling expenses.....	300 00
Services Clerks at 2.00 per day: R. F. Choate, 616.00; G. E. Hunter, 96.00; G. H. Carlisle, 72.00; G. E. Marshall, 24.00; P. F. Ewan, 104.00; S. C. Graham, 68.00; H. S. Rose, 120.00; W. G. Perks, 54.00; H. N. Baker, 106.00; W. H. Oke, 54.00; A. L. Smith, 52.00; C. F. Ward, 130.00; G. L. Gray, 72.00; E. H. Jolliffe, 54.00; J. C. Smith, 54.00; J. Armstrong, 276.00; E. L. Cox, 192.00; W. F. Jones, 72.00.....	2,216 00

## CIVIL GOVERNMENT.—Continued.

## REGISTRAR GENERAL'S BRANCH.—Continued.

## EXPENSES.—Continued.

Services Registrars in Unorganized Districts: S. C. McElwain, 6.60; O. La France, 14.80; A. E. Annis, 1.20; D. Patterson, 9.40; A. C. Hernnston, 5.40; R. E. Miller, 6.80; J. Armstrong, 6.60; A. P. Le Febre, 2.80; J. A. Deveney, 19.20; J. W. Kenney, 6.60; W. Harris, 10.60; W. L. Nichols, 17.60; S. A. King, 7.80; G. Stoddart, .80; J. J. Allen, 2.80; T. P. Morton, 7.40; Alex. Beattie, 2.40; J. A. Nichol, 11.40; W. Rumsey, 8.60; R. B. Maw, 6.80; R. Cole, 3.40; E. H. Kelcey, 3.00; Chas. Salt, 2.80; W. L. Haight, 17.60; C. L. B. Sims, 21.60; E. J. Boucher, 2.00; A. McAuley, 6.00; A. G. Walford, 4.20; W. Denmark, .60; D. Ego, 2.40; Miss M. Lowrie, 5.20; H. C. Guy, .80; J. Davies, .40; C. W. Hughes, 5.80; T. Deacon, 3.80.....	235 20
---	--------

## PROVINCIAL BOARD OF HEALTH.

## SALARIES (\$4,987.21).

Dr. E. E. Kitchen: Twelve months' salary as Chairman .....	400 00
Dr. C. A. Hodgetts: One do Medical Inspector .....	166 00
Dr. J. A. Amyot: Twelve do Provincial Analyst .....	1,600 00
Dr. W. T. Connell: Eight do Assistant .....	333 00
Dr. R. W. Bell: One and three-fourths Medical Inspector .....	288 00
G. B. Lindsay: Clerk .....	1,000 00
D. W. Paton: Seven do do .....	379 00
Geo. W. Jones: Five do do .....	250 00
do Seven do Messenger .....	320 00
L. F. Young: Five do do .....	250 00

## EXPENSES (\$7,062.74).

Warwick Bros. & Rutter: Printing and binding, 263.15; Riordon Paper Mills: Paper, 137.05.....	400 20
Rolph, Clark Co.: Stamping, 26.25; Toronto Engraving Co.: Engraving, 17.13.....	43 33
L. K. Cameron: Staty., 159.77; paper, 14.54; Littlejohn & Vaughan: Engraving, 1.00..	175 31
W. McMaster: Postage stamps, 157.00; C. Gripton: Stamps and repairs, 18.50.....	175 50
G.N.W. Tel. Co.: Telegrams, 20.87; C.P.R. Tel. Co.: Telegrams, 47.29.....	68 16
Bell Tel. Co.: Messages, 8.60; Dom. Express Co.: Charges, 1.65.....	10 25
Can. Express Co.: Charges, 3.55; Toronto Ry. Co.: Car tickets, 4.00.....	7 55
Doane Bros.: Cab hire, 5.00; United Typewriter Co.: Typewriter, 115.00; repairs, 35.40.	155 40
Trav. Expenses: P. H. Bryce, 23.55; C. A. Hodgetts, 268.50; J. Amyot, 104.95; G. G. Nasmith, 14.75 .....	411 75
Sundry Newspapers and Periodicals: Subscriptions, 42.21; Night Directories: Directory, 6.00 .....	48 21
Subscriptions: Int'l. Ry. Guide, 1.00; Toronto Railway Guide, 5.00; Sanitarium, 4.00; Journal Medical Research, 8.00; The Analyst, 5.32; Journal Hygiene, 5.21; Journal Bacteriology, 7.34.....	35 87
Can. Legal Pub. Co.: Law list .....	3 00
Books: British Medical Journal 1.58; Chandler & Massey, 2.75; A. P. Watts, 35.00; R. Friedlander & Sohn, 13.90; H. R. Lewis, 29.26; J. A. Carveth & Co., 2.00; J. R. Britnell, 3.75; W. & A. K. Johnston, 2.54; C. N. Bastedo, 2.75; P. S. King & Son, 13.39 .....	106 92
Annual Dues: Am. Medical Ass'n., 5.00; British Med. Ass'n., 15.54; States & Provl. Bd's of Health, 10.00; Am. Chemical Socy., 6.00; Sanitary Institute, 5.21 .....	41 75
Services a 50.00 per month: R. H. Mullin, 410.00; D. A. L. Graham, 75.00; A. H. W. Canfield, 150.00 .....	635 00
G. G. Nasmith: Twelve months' salary as Chemist .....	1,081 94
Services at 2.00 per day: G. E. Marshall, 120.00; W. H. Oke, 96.00.....	216 00
J. Benning: Services stenog. at 7.00 and 9.00 per week .....	440 00
Attendance at Meetings:—	
W. Oldright, M.D.: Services, 200.00; expenses, 36.53; E. E. Kitchen, M.D.: expenses, 152.55.....	
W. J. Douglas, M.D.: Services, 50.00; expenses, 26.15 .....	
J. J. Cassidy, M.D.: do 120.00; do .59.....	
R. P. Boucher, M.D.: do 220.00; do 152.60.....	
A. Thompson, M.D.: do 150.00; do 82.30.....	1,190 72



CIVIL GOVERNMENT.—Continued.  
 PROVINCIAL BOARD OF HEALTH.—Continued.

EXPENSES.—Continued.

Services at 2.00 per day: R. R. Fitzgerald, 112.00; H. W. Brownlee, 36.00; E. Weller, 122.00 .....	276.00
Laboratory:—	
Apparatus, supplies, etc.: Aikenhead Hardware Co., 3.30; Map and School Supply Co., 7.06 .....	
C. Gripton, 10.55; Fletcher Mfg. Co., 63.60; Impl. Varnish & Color Wks., 4.00; A. Jeffrey, 5.25; W. J. McGuire & Co., 81.18; Chandler & Massey, 126.05; J. F. Hartz Co., 151.29; Lake Simcoe Ice Co., 54.00; Park Davis & Co., 58.64; A. P. Watts, 8.80; E. B. Shuttleworth Chemical Co., 15.85; H. Tolchard, 5.55; J. H. Huddy, 15.40; Elliot & Co., 13.78; W. A. Fenton, 10.00; W. A. Lyon Co., 1.55; F. W. Micklethwaite, 6.00; W. Lloyd Wood, 1.70 .....	643.55
W. J. McGuire & Co.: Bal. cont. plumbing, 180.00; C. A. Dunning: feed for animals, 10.23 .....	190.28
T. Mottou: Care of animals, 161.25; C. Clarke: Clg. towels, 29.00 .....	190.25
M. Rawlinson: Cartage, 15.75; J. E. B. Smith: Rent of laboratory office, 500.00 .....	515.75

DEPARTMENT OF AGRICULTURE.

SALARIES (\$21,058.28).

Hon. Jno. Dryden: Twelve months' salary as Minister of Agriculture .....	4,000.00
C. C. James: do Deputy Minister .....	2,600.00
W. B. Varley: do Second-class Clerk and Sec'y .....	1,350.00
W. F. McMaster: do Assistant Secretary .....	1,700.00
W. O. Galloway: do Chief Clerk .....	1,600.00
Thos. McGillicuddy: do Second-class Clerk .....	1,200.00
N. J. Clark: do do .....	1,100.00
W. J. Gray: do do .....	1,100.00
Jno. Darrach: do do .....	1,100.00
A. G. Henderson: do do .....	1,050.00
J. W. Brant: do do .....	950.00
M. J. Malone: do do .....	650.00
B. Thompson: do Junior Second-class Clerk .....	600.00
M. J. O'Driscoll: do Messenger and Caretaker .....	540.00
Thos. Lynch: do Extra Messenger .....	418.28
D. G. Cashman: do do Clerk and Messenger .....	

EXPENSES (\$1,307.56).

Warwick Bros. & Rutter: Printing and binding, 15.13; Rolph. Clark Co.: Stamping, 13.25 .....	29.38
Grip, Limited; Electros, 3.95; L. K. Cameron: Staty., 319.81; paper, 62.61 .....	326.37
Office Specialty Co.: Cards, 5.75; Perfect Mucilage Bottle Co.: Mucilage bottles, 2.00 .....	7.75
Grand & Toy: Staty., 1.00; Wm. McMaster: Postage stamps, 150.00 .....	151.00
Postmaster: Unpaid postage, 2.94; C. Gripton: Stamps and supplies, 10.80 .....	13.74
Supplies: United Typewriter Co., 8.00; Can. Typewriter Co., 5.60; Newsome & Gilbert, .50 .....	14.10
G.N.W. Tel. Co.: Telegrams, 34.82; C.P.R. Telegraph: Telegrams, 22.07 .....	56.89
Bell Tel. Co.: Messages, 12.75; Dom. Express Co.: Charges, 3.90 .....	16.65
Can. Express Co.: Charges, 25.19; Wright Cartage Co.: Cartage, .75 .....	25.94
Toronto Ry. Co.: Car tickets, 25.00; Doane Bros.: Cab hire, 47.25 .....	72.25
R. Bond: Cab hire .....	2.50
Trav. Expenses: Hon. J. Dryden, 53.95; C. C. James, 93.20; W. B. Varley, 10.00; W. A. Chrysler, 10.35; J. W. Sparling, 3.25 .....	209.53
A. G. Henderson, 38.70 .....	36.00
Might Directories: Directory, 6.00; Toronto Ry. Guide: Subscr'n, 10.00 .....	7.25
Can. Legal Pub. Co.: Law lists, 6.00; Circuit Guide: subscription, 1.25 .....	6.00
Annual Review: Subscription .....	
Books: Carswell Co., 5.00; Manufacturers List Co., 5.00; Can. Ry. News Co., 11.50; W. A. Kellerman, .75; Morang & Co., 1.50; A. Britnell, 1.00; P. S. King & Son, 4.48; W. Briggs, 5.88 .....	35.11
Sundry Newspapers: Periodicals & subscr'n's, 226.35; Sundry persons: Messenger service, 3.00 .....	229.35
Am. Statistical Assn.: Fees, 2.00; F. Rightmeyer: Addr'g envelopes, 25.75 .....	23.75

## CIVIL GOVERNMENT.—Continued.

## FACTORY INSPECTION.

## SALARIES (\$5,700.00).

J. R. Brown: Six months' salary as Inspector .....	500 00
O. A. Rocque: Twelve do .....	1,000 00
J. T. Burke: do .....	1,100 00
Thos. Keilty: do .....	1,100 00
A. W. Holmes: Six do .....	500 00
Margaret Carlyle: Twelve do .....	650 00
Annie Brown: Seven do .....	350 00
E. Conlin: Twelve do Stenographer .....	500 00

## EXPENSES (\$3,468.54).

Warwick Bros. & Rutter: Printing & binding, 154.80; Riordon Paper Mills, 37.95....	192 75
L. K. Cameron: Staty., 64.45; paper, 85.26; W. McMaster: Postage stamps, 50.00....	199 71
G.N.W. Tel. Co.: Telegrams, .79; C.P.R. Telegraph: Telegrams, 1.34.....	2 13
Bell Tel. Co.: Messages, 4.15; Might Directories: Directory, 6.00.....	10 15
Sundry Newspapers: Advertising, 132.50; subscriptions, 3.65.....	136 15
Intl. Assn. Factory Inspectors: Dues and reports .....	16 25
Trav. expenses: J. T. Burke, 700.00; T. Keilty, 950.00; M. Carlyle, 650.00.....	2,883 90
Mrs. Annie Brown, 288.90; A. W. Holmes, 300.00.....	12 50
Dom. Express Co.: Charges, 2.00; East & Co.: Sample cases, 10.50....	10 00
J. T. Burke: To pay commercial certificate.....	10 00

## INSURANCE BRANCH.

## SALARIES (\$6,550.00).

J. H. Hunter: Twelve months' salary as Inspector of Insurance and Registrar of Friendly Societies.....	3,000 00
W. J. Vale: Twelve months' salary as Assistant Registrar .....	1,200 00
K. A. Chisholm: do Clerk .....	950 00
H. P. Royal: do do .....	850 00
A. C. Lynch: do Stenographer .....	550 00

## EXPENSES (\$2,553.17).

Warwick Bros. & Rutter: Printing & binding, 1,260.78; Riordon Paper Mills: Paper, 325.08.....	1,585 86
L. K. Cameron: Staty., 141.54; paper, 43.54; Mrs. Hubertus: Postage stamps, 149.50....	334 58
Postmaster: Unpaid postage, 1.10; C. Gripton: Stamps and repairs, 15.25.....	16 35
G.N.W. Tel. Co.: Telegrams, 2.25; C.P.R. Telegraph: Telegrams, 3.41.....	5 66
Walford's Insee' Cyclopaedia: Encyclopaedia, 10.50; Might Directories: Directory, 6.00 .....	16 50
Can. Legal Pub. Co.: Law lists, 4.50; Bradstreets: Subscription, 25.00 .....	29 50
Subscriptions: Money & Risks, 2.00; Insurance Monitor, 6.50 .....	Insurance Monitor, 6.50;
Subscriptions: Money & Risks, 2.00; Insurance Chronicle, 2.00; Insurance Year Book, 8.00;	Monetary Times, 2.00; Circuit Guide, 2.00; Fraternal Monitor, 1.00;
Bulletin Pub. Co., 3.40; Toronto Ry. Guide, 5.00 .....	31 90
Sundry Newspapers: Advertising, 13.00; subscriptions, 13.00 .....	26 00
J. W. Curry: Copy of evidence, 2.25; Alex. Downey: rep't'g evidence, 9.15.....	11 40
Chas. Clarke: Certified copies of Acts, 5.00; G. A. Boomer: Copy of judgment, 3.00....	8 00
Law Books: Carswell Co., 98.00; Can. Law Book Co., 56.60 .....	Can. Law Book Co., 56.60;
Law Books: Carswell Co., 98.00; A. Britnell, 2.85; J. Lovell & Son, 6.00; E. Horton, 1.00;	Spectator Co., 13.50.....
Can. Express Co.: Charges, 1.50; W. J. Vale: Petty office expenses, 4.50.....	6 00
Trav. Expenses: S. C. McElwain, 34.60; W. J. Vale, 196.95;	J. H. Hunter, 37.07; K. A. Chisholm, 34.85.....
	303 47

## NEGLECTED CHILDREN'S BRANCH.

## SALARIES (\$4,300.00).

J. J. Kelso: Twelve months' salary as Superintendent and Inspector .....	1,700 00
Wm. O'Connor: do Additional Inspector .....	1,100 00
Mrs. L. J. Harvie: do Childrens' Visitor .....	750 00
L. McMahon: do Clerk and Stenographer .....	500 00
B. Dewar: do do and Messenger .....	250 00



## CIVIL GOVERNMENT.—Continued.

## NEGLECTED CHILDREN'S BRANCH.—Continued.

## EXPENSES (\$2,439.36).

Warwick Bros. & Rutter: Printing and binding, 246.30; Riordon Paper Mills: Paper, 70.66 .....	316 96
Rolph, Smith & Co.: Stamping, 7.00; L. K. Cameron: Staty., 119.82; Paper, 60.92....	187 74
Hill Ptg. Co.: Pamphlets, 13.00; C. Gripton: Stamp repairs, 1.00 .....	14 00
Mrs. Hubertus: Postage stamps, 172.00; Postmaster: Unpaid postage, .56 .....	178 56
United Typewriter Co.: Repairs and supplies, 2.50; Office Specialty Co.: Cabinet, chairs, etc., 26.15 .....	28 65
G. N. W. Tel. Co.: Telegrams, 7.87; C. P. R. Telegraph: Telegrams, 5.50 .....	13 37
Bell Tel. Co.: Messages, 1.25; Toronto Ry. Co.: Car tickets, 15.00 .....	16 25
Dom. Express Co.: Charges, 2.70; Can. Express Co.: Charges, 4.55 .....	7 25
P. Maher: Cab hire, 6.00; Might Directories: Directory, 6.00 .....	12 00
Subscriptions: Toronto Ry. Guide, 5.00; Charity, 4.00; Conference of Charities, 5.00; Can. Home, 1.00; Union Pub. Co.: Gazeteer, 5.00 .....	20 00
Ont. Pub. Co.: 100 copies magazine, 17.00; Juvenile Record: 12 copies, 6.00 .....	23 00
Sundry newspapers: Subscriptions, 5.00; Advertising, 5.00 .....	10 00
Half tones: Grip, Limited, 7.45; Littlejohn & Vaughan, 5.10; Thompson Engraving Co., .75 .....	11 30
Photos of Children: J. S. Coleman, 12.13; W. Bogart, 33.65 .....	45 78
A. J. Reading: Slides, etc., 2.10; J. G. Ramsey & Co.: Photo supplies, 48.06 .....	50 16
Trav. expenses: W. O'Connor, 560.00; L. J. Harvie, 655.10; J. J. Kelso, 300.00 .....	1,515 10
L. Ellis: Services at 3.00 per week, 8.00; M. Wingate: Addr'g Xmas. letters, 6.00 .....	14 00
J. J. Kelso: Petty office expenses .....	5 93

## OFFICIAL GAZETTE (\$3,088.22).

Warwick Bros. & Rutter: Printing and binding, 3,087.72; Littlejohn & Vaughan: Crest, .50 .....	3,088 22
--	----------

## KING'S PRINTER'S OFFICE.

## SALARIES (\$4,350.00).

L. K. Cameron: Twelve months' salary as King's Printer .....	1,500 00
S. P. Grant: do Assistant King's Printer .....	1,050 00
W. H. Clarke: do Chief Clerk .....	1,000 00
W. H. Sutherland: do Clerk .....	800 00

## EXPENSES (\$242.54).

Warwick Bros. & Rutter: Printing and binding, 27.80; Hart & Riddell: Embossing, 3.50 .....	31 30
Rolph Smith & Co.: Stamping, 2.50; Rolph & Clark Co.: Stamping, 1.25 .....	3 75
L. K. Cameron: Staty., 9.25; Paper, 9.14; Bell Tel. Co.: Messages, 6.65 .....	25 04
C. Gripton: Repairs, 4.50; Dom. Express Co.: Charges, 1.60 .....	6 10
Wright Cartage Co.: Cartage, .75; Can. Express Co.: Charges, .55 .....	1 30
Toronto Ry. Co.: Car tickets, 30.00; Toronto Ry. Guide: Subscription, 4.05 .....	34 05
Can. Legal Pub. Co.: Law lists, 4.50; Might Directories: Directory, 6.00 .....	10 50
J. Lovell & Son: Legal Compendium, 3.00; Sundry newspapers: Subscriptions, 11.50..	14 50
E. B. Smith: Services at 8.00 per week, 16.00; Donald Bain: Taking inventory of stock, 50.00 .....	66 00
C. S. Berthon: Extra services proof reading .....	50 00

## INSPECTION OF REGISTRY OFFICES.

## (\$2,250.00).

D. Guthrie: Twelve months' salary as Inspector .....	1,750 00
do Allowance for travelling expenses .....	490 50
Warwick Bros. & Rutter: Printing and binding, 9.25; Can. Express Co.: Charges, .25 .....	9 50

## MUNICIPAL AUDITOR.

## (\$3,217.68).

J. B. Laing: Twelve months' salary as Auditor .....	2,100 00
do Travelling expenses, 479.00; Rolph, Clark Co.: Steel die, 7.00 .....	486 00

## CIVIL GOVERNMENT.—Continued. LEGISLATION.

## MUNICIPAL AUDITOR.—Continued.

Warwick Bros. & Rutter: Printing and binding, 13.28; Riordon Paper Mills: Paper, 7.05 .....	20 33
L. K. Cameron: Staty., 10.35; Paper, 4.83; Mrs. Hubertus: Postage stamps, 20.00 .....	35 18
G. O. Mercon: Services auditing Treasurer's books Village Pt. Edward, 196.00; expenses 33.20 .....	229 20
W. A. Henderson: Expenses securing auditor .....	25 00
Kilmer & Irving: Fees and disbursements re Williamson v. twp. Elizabethtown.....	321 97

## SPECIAL SERVICES RE INVESTIGATIONS (\$1,200.00).

W. B. Wilkinson: Twelve months' salary as Clerk .....	1,200 00
Total Civil Government .....	\$344,006.28

## LEGISLATION.

## SALARIES (\$20,233.33).

Hon. W. A. Charlton: Services as Speaker .....	2,000 00
Hon. Chas. Clarke: Twelve months' salary as Clerk of the House .....	2,000 00
A. H. Sydere: do Assistant Clerk and Clerk of Routine .....	1,600 00
A. M. Dymond: do Law do .....	1,400 00
W. B. Wilkinson: do Assistant Law Clerk .....	200 00
C. S. Berthon: do Stenographer .....	450 00
J. M. Delamere: do Clerk and Postmaster .....	1,200 00
D. B. Wylie: Five do Assistant do .....	250 00
J. W. Dill: Six do do do .....	400 00
L. K. Cameron: Twelve do Accountant .....	400 00
Avern Pardoe: do Librarian .....	1,900 00
M. Wilson: do Assistant Librarian .....	1,000 00
E. J. O'Neill: do do do .....	550 00
Alex. Fraser: do Archivist .....	1,500 00
J. M. Belanger: Eight do Assistant Archivist .....	533 33
F. J. Glackmeyer: Twelve do Sergeant-at-Arms .....	1,000 00
Jas. Robertson: do Housekeeper and Chief Messenger .....	900 00
P. O'Brien: do Assistant Housekeeper .....	750 00
D. F. Tolchard: do Messenger .....	650 00
V. P. Fayle: do do .....	600 00
M. Bailey: do do .....	450 00
D. Keenan: do do .....	500 00

## CLERKS OF COMMITTEES, ETC., (\$3,182.20).

R. A. Kent: Services as Clerk to Committee on Standing Orders, Railways and Legal Committee .....	600 00
Wm. McArthur: Services as Clerk to Public Accounts Committee .....	400 00
E. H. P. Thomson: Services as Secretary to leader of Opposition .....	1,000 00
A. Geo. Rose: Services as Secretary to Mr. Speaker at 4.00 per day .....	444 00
E. Norman Smith: Services as Reporter Financial Statement .....	40 00
do do Transcription of evidence—956 folios .....	191 20
J. W. Dill: Services as Assisting Clerks of Committees at 3.00 per day .....	432 00
do do do Public Accounts Committee .....	75 00

## SESSIONAL CLERKS, WRITERS, MESSENGERS AND PAGES. (\$9,518.70).

Stenographers at 2.00 per day:	
A. J. Saunders, 178.00; H. Cameron, 178.00; Ina K. Brodie, 178.00;	
R. Duggan, 178.00; M. C. Jaffray, 172.00; Isabella Moore, 178.00 .....	1,062 00
R. Clarke: Services as Writer at 3.00 per day .....	317 00
Jas. Brayley, 166.00; J. M. Prentiss, 222.00; J. Daley, 180.00; Geo. Scott, 208.00;	

## LEGISLATION.—Continued.

## SESSIONAL CLERKS, WRITERS, MESSENGERS AND PAGES.—Continued

Writers at 2.00 per day:		
Jas. Brayley, 166.00; J. M. Prentiss, 222.00; J. Daley, 180.00; Geo. Scott, 208.00		
N. O. Phipp, 132.00; P. W. O'Brien, 208.00; F. R. Yokome, 208.00;		
E. DeHaitre, 178.00; J. Wynn, 208.00; Levi Mackey, 208.00; W. D. Auldjo, 122.00		
E. DeHaitre, 178.00; J. Wynn, 208.00; Levi Mackay, 208.00; W. D. Auldjo, 122.00;		
L. A. M. Lovekin, 178.00; F. J. Glackmeyer, 178.00; E. E. Augustine, 178.00;		
Irene Conway, 152.00; A. Hodgins, 140.00; J. J. Bell, 148.00;		
A. Pearson, 148.00; H. S. Rose, 118.00		3,280 00
Stenographers' and Writers' Travelling expenses:		
E. DeHaitre, 17.40; L. A. M. Lovekin, 15.70; H. Cameron, 15.00;		
Isabella Moore, 13.90; E. E. Augustine, 8.00; A. Hodgins, 7.10;		
A. Pearson, 2.40; H. S. Rose, 8.00		87 50
Messengers at 2.00 per day:		
C. W. McIntyre, 216.00; H. Trimble, 226.00; Wm. Quinn, 222.00		664 00
Messengers at 1.50 per day:		
D. Miller, 156.00; S. Ross, 180.00; M. Bailey, 156.00; J. Tolchard, 156.00;		
H. A. Traux, 166.50; E. B. Boselly, 174.00; Jno. Playter, 147.00;		
M. J. Doran, 175.50; Jno. Wilson, 156.00; M. Roach, 157.50;		
Pedro Alma, 150.00; E. C. Lean, 148.50; Thos. McFarlane, 27.00;		
J. H. Porter, 87.00; E. A. Bishop, 156.00; D. Eccles, 114.00; L. Sullivan, 194.00		2,501 00
A. Currie: Services as Messenger at 1.00 per day		104 00
Messengers' travelling expenses:		
D. Miller, 6.10; E. B. Boselly, 5.30; M. J. Doran, 3.00; Jno. Wilson, 4.70		
D. Miller, 6.10; E. B. Boselly, 5.30; M. J. Doran, 3.00; Jno. Wilson, 4.70;		
M. Roach, 2.10		21 20
Pages at 1.00 per day:		
C. Parker, 104.00; R. Newton, 104.00; C. Murphy, 104.00; H. Jones, 104.00;		
W. Brophy, 104.00; E. B. Balfour, 104.00; W. Murphy, 104.00; F. McDowell, 104.00;		
A. Hacker, 104.00; H. Ferry, 104.00; T. Quinn, 104.00; T. Enright, 104.00;		
M. H. Gibson, 104.00		1,352 00

## POSTAGE AND COST OF HOUSE POST OFFICE (\$2,312.00).

Mrs. Hubertus: Postage stamps, 1,805.00; Postmaster: Special Delivery, 500.00	2,305 00
C. Gripton: Stamps and repairs	7 00

## STATIONERY, PRINTING AND BINDING (\$50,334.59).

Warwick Bros. & Rutter: Printing & binding, 36,000.00; Riordon Paper Mills: Paper, 12,541.22	48,541 22
Buntin, Reid & Co.: Paper, 2,749.97; Kilgour Bros.; Paper & envelopes, 678.75	3,428 72
Davis & Henderson: Invoice boxes, 26.50; Barber & Ellis: Paper, 16.80	43 30
Advertising tenders, printing paper: Star Ptg. Co., 36.00; Globe Ptg. Co., 26.25	62 25
L. K. Cameron: Staty., for members, 2,252.47; Barber & Ellis Co.: Staty. for members, 1,150.00	3,402 47
Barber & Ellis Co.: To pay express charges, 48.01; Trunk and Leather Goods Co.: Despatch bag, 12.00	60 01
C. Beck Mfg. Co.: To pay express charges, 48.01; Trunk and Leather Goods Co.:	
Bell Tel. Co.: Messages	1 75
Engravings, cuts, etc., for reports:—	
Entomological Socy., Ont., 18.00; Grip, Limited, 419.64;	
Thomson Engraving Co., 374.17; Toronto Engraving Co., 304.42;	
J. Maughan, 3.00	1,119 23
Stamping: Rolph, Smith Co., 33.25; Miln-Bingham, 141.54; W. J. Wintemberg, 29.75	204 54
Toronto Ry. Co.: Car tickets, 10.00; Dom. Express Co.: Charges, 115.00	125 00
Can. Express Co.: Charges, 144.90; Wright Cartage Co.: Cartage, 9.60	154 50
Copp, Clark Co.: 2,000 mining maps	230 00
Toronto Litho. Co.: 4,000 maps, Algoma & Nipissing Districts	400 00
Services at 10.50 per week: T. W. Clarke, 73.50; James Sutherland, 73.50	147 00
A. F. Hunter: Manuscript for Archæological report	64 00
	858,056 04
Less paper transferred to Departments	7,721 45

850,334 59

## LEGISLATION.—Continued.

## LIBRARY (\$3,587.60).

## Books:—

Carswell Co. 363.20;	Congdon & Britnell, 64.60;	Photographic Inst., .35;	
Publisher's Weekly, 11.18;	G. P. Putnam's Sons, 30.15;	Quebec News Co., 2.17;	
Rand, McNally & Co., 28.50;	F. H. Revell Co., 2.40;	J. H. Royden, M.D., 1.50;	
Piere Georges Roy, 34.45;	C. Ryan, 2.00;	St. Catharines Journal, 2.00;	
Scarboro Co., 15.00;	J. E. Scopes, 13.81;	C. Scribner's Sons, 4.00;	
J. Skinner, 9.72;	E. Thompson Co., 22.50;	Public Library, Toronto, .75;	
D. Van Nostrand, 6.64;	F. A. Werner, 12.46;	J. C. Winston Co., 9.50;	
Banks & Co., 27.00;	Book Supply Co., 11.77;	A. Britnell, 60.90;	
J. Britnell, 1.00;	Buffalo Historical Socy., 4.00;	Burrows Bros. Co., 17.58;	
J. W. Cadby, 48.74;	J. H. W. Cadby, 3.96;	Can. Law Book Co., 200.45;	
Chandler & Massey, 6.50;	A. T. Chapman, 1.00;	A. S. Clark, 16.88;	
A. H. Clark Co., 6.24;	F. W. Coburn, 1.75;	Copp, Clark Co., 49.86;	
N. O. Cote, 2.00;	Culmulative Index Co., 3.75;	F. A. Davis Co., 1.80;	
Labor Gazette, 1.50;		Federal Book Co., 14.00;	
J. G. Foster, 3.00;	P. Gagnon, 1150;	Ginn & Co., 1.39;	
Goodspeed's Bookshop, 32.00;		Henderson Pub. Co., 6.00;	
Hirschfelderr Estate, 10.00;	G. S. Holmsted, 15.00;	Houghton Mifflin & Co., 10.79;	
W. R. Houston, 3.00;	C. W. Johnston, 16.00;	D. Kennedy, .75;	
Kimball Bros., 14.57;	N. M. Ladd, 4.12;	C. E. Lauriat Co., 15.00;	
Linscott Pub. Co., 2.00;	G. E. Littlefield, 9.47;	L. P. McCarty, 3.50;	
J. McDonah, 62.16;	McMillan Co., 6.50;	Manufacturers List Co., 10.00;	
W. Briggs, 58.39;	Moody Pub. Co., 3.50;	Morang & Co., 52.69;	
N. F. Morrison, 34.19;	John Munn, 9.00;	Ont. Pub. Co., 5.00;	
J. W. Congdon, 27.50;	E. G. Allen & Co., 536.20;	W. Brown, 2.21;	
W. Brough & Sons, 5.25;	W. Georges Sons, 45.58;	Henry Gray, 7.04;	
G. Harding, 37.37;	P. S. King & Son, 138.57;	Lowe Bros., 1.87;	
Mudie's Library, 63.10;	J. Pearce, 6.59;	Pickering & Chatto, .95;	
W. H. Smith & Son, 47.28;	F. J. Truelove, 19.07;	Librarie C. H. Chadnat, 10.47;	
A. Saffroy, 3.91;	Dodd, Mead & Co., 35.22;	Kelly's Directories, 5.00;	
J. Lovell & Sons, 3.00;	E. Renault, 33.75;	Review Canadian, 3.00;	
C. Therot, 5.00;	Mrs. E. J. Bulmer, 72.50;	Mrs. J. Smith, 2.00;	
N. Y. Tribune, 1.50;	J. Southwick, 1.25;		2,632 53
Periodicals, Magazines, etc.: H. A. Wilson Co., 8.75;	W. Tyrrell & Co., 121.71		130 46
Sundry Magazines & Periodicals, 300.70;	Can. Legal Pub. Co.: Law lists, 7.50		308 20
Subscriptions: Circuit Guide, 60;	Can. Law Review, 5.00;		
Am. Dialect Co., 1.00;	Am. Economic Assn., 4.00;	Am. Library Assn., 2.00;	
Mich. Political Sc. Assn., 2.00;	Nat'l Conference Charities, 2.75;		
Annual Review, 6.00			23 25
Globe Ptg. Co.: Extra copies, 5.60;	Mail Ptg. Co.: Extra copies, 4.80		10 40
Union Pub. Co.: Directories, 12.00;	Might Directories: Directory, 6.00		24 00
Grip, Limited: Halftones, 5.50;	Warwick Bros. & Rutter: Priting & binding, 326.85		332 35
C. Tarling & Co.: Mounting maps, 11.00;	Rolla L. Crain Co.: Sheets, 22.50		33 50
Wright Cartage Co.: Cartage, .50;	Can. Express Co.: Charges, 42.40		42 90
Dom. Express Co.: Charges, 26.94;	C. P. Ry. Co.: Freight charges, 1.56		28 50
G.T. Ry. Co.: Freight charges, .70;	C. W. Irwin: Brokerage, 12.00		12 70
A. Currie: Glue, &c., reps. to books, 1.10;	G. Pearsall: Glue, &c., reps. to books, 1.71		2 81

## INDEMNITY TO MEMBERS (\$100,920.00).

L. K. Cameron, to pay indemnity to Members ..... 100,920 00

## EXPENSES (\$9,922.72).

Telegrams: G.N.W. Tel. Co., 27.89;	C.P.R. Telegraph, 15.20		43 09
Bell Telephone Co.: Messages, 29.45;	Toronto Ry. Co.: Car tickets, 102.00		131 45
Dom. Express Co.: Charges, 68.13;	Can. Express Co.: Charges, 100.28		168 41
Cartage: Can. Transfer Co., 1.25;	Wright Cartage Co., 25.35		
Duggan's Express, .25;	C. Spragge, .50		27 35
J. Robertson: To pay freight charges			2 00
Cab hire: Doane Bros., 198.35;	P. Maher, 2.75;	G. W. Verral, 1.25	202 35
C. Gripton: Stamps and repairs			14 25
Rent of Typewriters: United Typewriter Co., 26.60;	A. D. Fisher & Co., 19.50		
Remington Typewriter Co., 33.00;	Newsome & Gilbert, 28.00		107 10
Can. Legal Pub. Co.: Law list, 3.00;	Toronto Ry. Guide: Subscription, 5.00		8 00
J. Lovell & Son: Legal compendium, 6.00;	Annual Review: Subscription, 6.00		12 00
Might Directories: Directories, 24.00;	Rand, McNally & Co.: Atlas, 30.00		54 00
Books: Carswell Co., 20.00;	B. Nicholson, 2.50;	Can. Law Book Co., 9.00	31 50
Sundry Newspapers: Subscr'n's, 678.15;	Advtg. re private bills, 254.98		933 13



LEGISLATION.—*Concluded.*EXPENSES—*Concluded.*

Librarian, University Toronto: 150 copies review hist'l publications.....	75 00
Griffin & Kidner Co., 200 copies & memos. illustrations re assessments.....	19 50
Sundry supplies for Speaker	
W. A. Murray & Co., 43.50;	
J. Fullerton, 4.20; Nerlich & Co., 1.00; R. Parker & Co., 1.60.....	50 50
F. F. Clark: Engrossing cards.....	7 00
Police Benefit Fund: Guard at opening and closing.....	80 00
N. McEachern: Repp. official suits, 4.70; Ryrrie Bros.: Repp. mace, 14.00.....	18 70
Warwick Bros. & Rutter: Printing and binding .....	5 10
L. K. Cameron: Staty., 416.37; paper, 52.07 .....	468 44
Stationery: J. R. Bond, .50; W. H. Sparrow, .20; W. Younger, .50;	
A. T. Skill, .75.....	1 95
Services: J. W. Dill, 15.00 per wk., 170.00; W. H. Sutherland 60.00 per month, 30.00;	
R. B. Lowndes: Proof reader, 4.00 per day, 488.00;	
J. Blakely: 2.00 per day, 72.00; P. C. McArthur, 156.00; C. Graham, 94.00;	
A. F. Demery, 48.00 .....	1,058 00
J. W. Brant: Printing and addresses, reports, 39.00; M. J. O'Driscoll: Mailing reports,	
48.00.....	87 00
Sundry Persons: Messenger service.....	8 00
Legal Services, revising Bills, etc.: Hunter & Hunter, 100.00.....	
J. G. O'Donoghue, 250.00; W. H. Hunter, 350.00; Mowat, Langton & Co., 750.00....	1,450 00
Services & Expenses Witnesses Public Accounts Committee:—	
R. A. Grant: Services, 10.00; A. G. Knowles: Services, 15.00; exp., 43.45;	
R. A. Lyon: Services, 15.00; exp., 43.45; A. W. Robarts: Services, 15.00; exp., 43.45;	
P. H. B. Dawson: Services, 20.00; exp., 50.00; Thos. Williams: Services, 20.00;	
exp., 16.25.....	
D. D. Lewis: Services, 10.00; exp., 41.45; Frank Ford: Services, 5.00.....	
A. Elliott: Services, 15.00; exp., 41.45; A. H. Chitty: Services, 25.00; exp., 50.00;	
G. A. Harcourt: Services, 15.00; C. P. Worthington: Services, 15.00; exp., 43.45;	
W. Ryan: Exp., 26.20; W. R. Russell: Exp., 18.00; H. L. Drayton: Services, 5.00	604 15
Municipal Taxation, Assessment and Trading Committee:—	
C. H. Black: Services, 15.00; S. Beck: Services, 18.00; J. R. Barber: Services, 36.00	
T. H. Preston: Services, 60.00; exp., 16.00; J. H. Pettypiece: Services, 60.00; exp.,	
16.00.....	
V. Stock: Services, 60.00; exp., 16.00; John Lee: Services, 60.00; exp., 16.00;	
A. G. McKay: do 18.00; E. J. B. Pense: do 54.00; do 12.00;	
H. Carscallen: do 36.00; exp., 74.00; Jas. F. Duff: do 60.00; do 16.00;	
W. H. Hoyle: do 60.00; do 16.00; W. J. Hanna: do 30.00; do 16.00;	
F. G. Macdiarmid: do 48.00; do 8.00; J. Tudhope: do 54.00; do 12.00;	
J. P. Whitney: do 54.00; do 12.00; J. J. Foy: do 36.00;	
J. S. Hendrie: do 10.00; J. M. Gibson: do 42.00;	
G. P. Graham: do 18.00; J. C. Forman: Services, 100.00;	
T. Crawford: Services, 6.00.....	
K. W. McKay: Services, 100.00; exp., 46.30; D. Murphy: Services, 18.00;	
F. R. Hinton: do 300.00; exp., 175.00; T. H. Preston: do 14.00;	
Thos. Langton: Legal services, 738.00; Avern Pardoe: Secretary, 350.00 .....	2,848 30
Forms: Times Ptg. Co., 15.00; Spectator C., 14.00; McPherson & Drope, 4.00;	
R. Raw & Co., 9.75; Jas. Ennis & Co., 6.75.....	49 50
C.P.R. Telegraph: Telegrams, 20.11; G.N.W. Tel. Co.: Telegrams, 31.79 .....	51 90
Provincial Archivists Office:—	
A. Fraser: Trav. expenses, 95.45; A. Britnell: Books, 13.15.....	108 60
Can. Legal Pub. Co.: Law list, 3.00; Might Directories: Directory, 6.00.....	9 00
Services at 2.00 per day: I. K. Brodie, 52.00; E. E. Augustine, 52.00; M. Merrill,	
80.00 .....	184 60
Subscriptions: Globe Ptg. Co., 4.55; Forest Free Press, 1.00;	
Amherstburg Echo, 1.00; La Ciele Pub. due Nationale, 1.00.....	7 55
J. McKay & Co.: Services re investigation acc's. C. Lands & Treas'y Depts., Gamey	
investigation .....	700 00
C. S. Grant: Registrar Gamey Inv., 200.00; D. F. Tolchard: Meals telegraph opera-	
tors, 59.10.....	259 10
D. F. Tolchard: Meals members all night session, 25.00; Hyslop Bros.; Repp. to	
messenger's wheel, 12.00 .....	37 00
Total Legislation .....	\$200,011.14

## ADMINISTRATION OF JUSTICE.

## SUPREME COURT OF JUDICATURE (\$37,024.43).

Hon. Chas. Moss	Chief Justice of Ontario,	Allowance	1,000 00
Hon. F. Osler	Justice of Appeal,	do	1,000 00
Hon. James Maclellan	do	do	1,000 00
Hon. J. T. Garrow	do	do	1,000 00
Hon. J. J. Maclaren	do	do	1,000 00
Hon. Sir J. A. Boyd	Chancellor of Ontario,	do	1,000 00
Hon. Thos. Ferguson	Justice, Chancery,	do	583 34
Hon. Jas. Magee	do	do	516 67
Hon. T. Robertson	do	do	299 45
Hon. R. M. Meredith	do	do	1,000 00
Hon. W. G. Falconbridge	Chief Justice, King's Bench,	do	1,000 00
Hon. W. P. R. Street	Justice, do	do	1,000 00
Hon. B. M. Britton	do do	do	1,000 00
Hon. Sir W. R. Meredith	Chief Justice, Common Pleas,	do	1,000 00
Hon. Hugh McMahon	Justice do	do	1,000 00
Hon. J. V. Teetzel	do	do	1,000 00
Hon. J. Idington	Exchequer	do	793 95
Hon. F. A. Anglin	do	do	793 95
Jas. S. Cartwright.	Twelve months' salary as Master in Chambers		3,200 00
F. Arnoldi:	do Clerk do		1,700 00
Clarence Bell:	do Assistant Clerk		1,000 00
A. B. G. Cull:	do Entering do		600 00
Warwick Bros. & Rutter:	Printing & binding, 10.70; Rolph Smith & Co.: Stamping, 1.88		12 59
Mrs. Hubertus:	Postage stamps, 83.00; L. K. Cameron: Stationery, 157.04; paper, 3.60		243 64
Might Directories:	Directory, 6.00; Canada Legal Publishing Co.: Legal chart and law list, 7.50		13 50
Circuit Guide Pub. Co.:	Copies, 3.50; B. W. Murray: Interest tables, 10.00		13 50
C. Gripton:	Puncher, 9.00; Remington Typewriter Co.: Typewriter, 112.50		121 50
Wright Cartage Co.:	Cartage, 2.15; Can. Law Book Co.: Binding, 1.15		3 30
Thos. Hodgins:	Twelve months' salary as Master in Ordinary		4,000 00
Neil McLean:	do Chief Clerk and Accountant		2,000 00
A. E. Bastedo:	do Clerk and Stenographer		1,300 00
Mrs. Hubertus:	Postage stamps 15.00; L. K. Cameron: Staty., 110.55		125 55
Circuit Guide Pub. Co.:	Copies, 1.00; Can. Law Journal: Subscription, 5.00		6 00
Annual Digest, 3.50; Law Times & Reporter, 14.00; Can. Legal Pub. Co.:	Legal Chart and law list, 9.00		26 50
G. S. Holmsted:	Book, 3.50; Carswell Co.: Law books, 33.00; Can. Law Book Co.: Law books, 16.35		52 85
Remington Typewriter Co.:	Supplies, .75; T. Hodgins, Trav. expenses, 31.31; Wright Cartage Co.: Cartage, 1.00		33 05
J. H. Thom:	Twelve months' salary as Senior Taxing Officer		2,150 00
M. J. Macnamara:	do Junior do		1,700 00
J. A. McAndrew:	do Registrar		2,000 00
L. K. Cameron:	Printing & Stationery, 21.35; Can. Legal Pub. Co.: Legal Chart & Law list, 9.00		30 35
Carswell Co.:	Law reports, 4.00; Wright Cartage Co.: Cartage, .75		4 75
Hon. Justice Osler:	Grant to Judges' Library, 300.00; G. S. Holmsted: Grants to Judges' Library, 1903-04, 400.00		700 00

## COURT OF APPEAL (\$3,788.38).

C. S. Grant:	Twelve months' salary as Clerk	1,300 00
W. M. Winterberry:	do Secretary to Judges	800 00
Eli Oliver:	do Usher and Messenger	800 00
Warwick Bros. & Rutter:	Printing & binding, 204.22; Riordon Paper Mills: Paper, 17.00	221 22
L. K. Cameron:	Staty., 152.60; paper, 25.71; Annual Digest, subscription, 3.50	181 81
Can. Law Journal:	Subscription, 5.00; Can. Legal Pub. Co.: Legal chart and law list, 4.50	9 50



## ADMINISTRATION OF JUSTICE.—Continued.

## COURT OF APPEAL.—Continued.

Circuit Guide Pub. Co.: Copies, 1.00; Might Directories: Directory, 6.00	7 00
C. Gripton: Stamps, 8.00; Dom. Express Co.: Charges, 9.35; Wright Cartage Co.: Cartage, 1.50	18 85
Hon. Chief Justice Moss: Allowance, petty expense fund	450 00

## HIGH COURT (\$2,782.09).

G. B. Nicol: Twelve months' salary as Clerk of Assize	1,200 00
A. E. Trow: do do Process	1,400 00
Warwick Bros. & Rutter: Printing & binding, 34.45; L. K. Cameron: Staty., 59.35; paper, 30.79	124 59
Mrs. Hubertus: Postage stamps, 19.00; Can. Legal Pub. Co.: Legal chart and law list, 7.50	26 50
Might Directories: Directory, 6.00; G. B. Nicol: Petty office expenses, 25.00	31 00

## CENTRAL OFFICE (\$13,955.19).

M. B. Jackson: Twelve months' salary as Clerk of the Crown	2,500 00
Edmund Harley: do do Records and Writs	1,550 00
Alex. MacGregor: do Senior Clerk	1,200 00
A. J. Elliot: do Clerk	1,000 00
W. MacTavish: do do	1,000 00
F. W. Scott: do do	850 00
R. F. Killaly: do do	800 00
M. B. Black: do do	800 00
R. W. Ralfe: do do	700 00
Geo. Hilliar: do Housekeeper and Messenger	700 00
J. Gorrie: do Messenger	600 00
G. Crawford: do do	300 00
C. Sutherland: do Housekeeper	350 00
Geo. Smith: do Asst. Housekeeper	400 00
Warwick Bros. & Rutter: Printing & binding, 62.21; Riordon Paper Mills: Paper, 1.51	63 72
Mrs. Hubertus: Postage Stamps, 38.00; L. K. Cameron: Staty., 196.04; paper, 2.18	256 22
C. Gripton: Stamps, 9.00; Copeland-Chatterson Co.: Ledger binders, leaves, etc., 93.20	102 20
Might Directories: Directory, 6.00; Can. Legal Pub. Co.: Legal charts and law lists, 13.50	19 50
Can. Law Journal: Subscription, 5.00; Carswell Co.: Law reports, 4.00	9 00
Wright Cartage Co.: Cartage, 1.55; J. Gorrie: Extra services re Exchequer Division, 50.00	51 55
R. F. Killaly: Extra services checking Chancery books	75 00
Twelve months' services cleaning: T. Rumney, 420.00; M. Hilliar, 228.00	648 00

## REGISTRAR'S OFFICE (\$9,954.84).

Geo. S. Holmsted: Twelve months' salary as Senior Registrar	2,175 00
A. F. Maclean: do Junior do	2,000 00
Geo. M. Lee: One do do do	134 00
C. O. Strange: Twelve do Clerk	1,200 00
A. G. Blain: do do	1,500 00
W. W. Perry: do Usher and Stenographer	800 00
G. L. Crooks: One & one-half do do	74 00
Robt. Lawson: Twelve do do do	650 00
R. A. Walker: do do do	650 00
Warwick Bros. & Rutter: Stationery, 88.22; Rolph, Smith & Co.: Embossing, 7.50	95 72
Hart & Riddell: Embossing, 9.00; Rolph & Clark Co.: Stamping, 6.25	15 25
L. K. Cameron: Stationery, 351.25; Paper, 21.94; Riordon Paper Mills: Paper, .30	373 49
C. Gripton: Stamp and repairs, 4.75; Mrs. Hubertus: Postage stamps, 70.50	75 25
C. P. R. Co. Telegraph, 18.68; G. N. W. Tel. Co., 14.35; Bell Tel. Co.: Messages, 1.25	34 28
Dom. Express Co.: Charges, .90; Can. Express Co., .50; Wright Cartage Co.: Cartage, 3.20	4 60
Can. Legal Pub. Co.: Legal charts and law lists, 13.50; Circuit Guide Pub. Co.: Copies, 21.50	35 00

## ADMINISTRATION OF JUSTICE.—Continued.

## REGISTRAR'S OFFICE—Continued.

Can. Law Journal: Subscription, 5.00; Might Directories: Directories, 12.00	17 00
B. Cairns: Linen marker, 1.00; Planet Bicycle Co.: Repairing wheel, 6.25	7 25
G. R. Jones: Services during illness W. W. Perry	114 00

## WEEKLY COURT (\$1,709.70).

Geo. M. Lee: Eleven months' salary as Clerk	1,695 00
L. K. Cameron: Stationery, 5.20; Can. Legal Pub. Co.: Law lists, 3.00	8 20
Might Directories: Directory, 6.00; Wright Cartage Co.: Cartage, .50	6 50

## SURROGATE OFFICE (\$3,434.71).

C. J. McCabe: Twelve months' salary as Surrogate Clerk	2,000 00
W. S. Anderson: do Clerk	800 00
F. B. Reade: do Stenographer half time	225 00
Warwick Bros. & Rutter: Printing and binding, 38.75; Rolph, Smith & Co.: Stamping, 2.90	41 65
L. K. Cameron: Stationery, 48.95; Paper, 17.86; Mrs. Hubertus: Postage stamps, 16.00	82 81
C. Gripton: Stamps and repairs, 7.00; Can. Legal Pub. Co.: Legal charts and law lists, 9.00	16 00
Wright Cartage Co.: Cartage	1 25
Services during illness W. S. Anderson at 2.00 per day, J. T. McCabe, 182.00; N. O. Philp, 66.00; A. P. Ryan, 22.00	268 00

COMMUTATIONS *re* SURROGATE JUDGES, LOCAL MASTERS, ETC., (\$28,516.72).

His Honor Judge Elliot: One months' commutation as Surrogate Judge	83 00
do Ardagh: Twelve do do	585 00
do McDonald: do do	600 00
do Benson: do do	840 00
do Winchester: do do	2,600 00
do Morgan: do do	1,600 00
do Morson: do do	1,000 00
do Deacon: One do do	22 00
do Price: Twelve do do	752 00
do Dean: do do	500 00
do Hardy: do do	588 00
do McCarthy: do do	168 00
do Hughes: Four do do	228 00
do Doyle: Twelve do do	1,000 00
do Barron: do do	873 00
do Barron: do Local Master	850 00
do Dean: do do	900 00
do Morrison: Nine do do	232 50
do Klein: Twelve do do	400 00
J. E. O'Reilly: Twelve months' commutation as Local Master	3,500 00
S. S. Lazier: do do	3,000 00
A. M. McKinnon: do do	2,000 00
J. F. Hare: do do	800 00
F. W. Macdonald: One-fourth do do	26 30
J. W. Curry: Allowance as Crown Attorney, Toronto, upon commutation of fees, 63 Vic., Cap. 17	3,500 00
Judge Holt: Allowance out of surplus Surrogate fees, 1903	216 92
do Edward Elliott: do do	666 00
do Jamieson: do do	107 00
do Klein: do do	213 00
do Mnsgrave: do do	666 00

## ADMINISTRATION OF JUSTICE.—Continued.

## INSPECTION DIVISION COURTS (\$6,079.07).

Jos. Dickey: Twelve months' salary as Inspector .....	1,800 00
W. H. Higgins: do Assistant Inspector .....	1,300 00
J. B. Macdonald: do Clerk .....	1,050 00
H. A. Locke: do do .....	500 00
Warwick Bros. & Rutter: Printing and binding, 20.01; Riordon Paper Mills: Paper, 9.80 .....	89 81
L. K. Cameron: Stationery, 55.13; Paper, 22.07; Mrs. Hubertus: Postage stamps, 110.00 .....	185 20
Rolph & Clark Co.: Stamping, 8.25; Postmaster: Postge, .58 .....	8 83
G. N. W. Tel. Co.: Telegrams, 20.61; C. P. R. Co's Tel., 12.00; C. Gripton: Repairing stamps, 2.25 .....	34 86
Can. Law Journal: Sub., 5.00; Can. Legal Pub. Co.: Law list, 3.00; Globe Ptg. Co.: Subscription, 5.00 .....	13 00
Jos. Dickey: Trav. expenses, 647.25; W. H. Higgins, 444.12; Toronto Ry. Co.: Car tickets, 6.00 .....	1,097 37

## DEPUTY CLERKS OF THE CROWN AND PLEAS (\$16,650.00).

J. T. Hewitt: Salary as Deputy Clerk of the Crown and Pleas, Brant .....	450 00
Matthew Goetz: do do Bruce .....	450 00
J. P. Featherstone: do do Carleton .....	450 00
Jno. McLaren: do do Dufferin .....	450 00
D. McLaws: do do Elgin .....	450 00
Francis Cleary: do do Essex .....	450 00
A. McGill: do do Frontenac .....	187 50
J. L. Whiting (acting): do do do .....	112 50
T. M. Asselstine: do do do .....	150 00
S. C. Macdonald: do do Haldimand .....	400 00
W. A. Bishop: do do Grey .....	500 00
W. A. Lawrence: do do Halton .....	400 00
A. G. Northrup: do do Hastings .....	450 00
D. McDonald: do do Huron .....	500 00
J. Holmes: do do Kent .....	450 00
Alex. Saunders: do do Lambton .....	450 00
W. P. McEwen: do do Lanark .....	450 00
O. K. Fraser: do do Leeds & Grenville... ..	500 00
W. P. Deroche: do do Lennox & Addington.. ..	400 00
J. Clench: do do Lincoln .....	450 00
J. Macbeth: do do Middlesex .....	500 00
C. C. Rapelje: do do Norfolk .....	450 00
Jno. T. Field: do do Northumberland and Durham .....	500 00
I. T. Barclay: do do Ontario .....	450 00
J. Canfield: do do Oxford .....	450 00
J. B. Dixon: do do Peel .....	400 00
W. H. R. Allison Estate: do do Prince Edward .....	37 36
N. Gilbert: do do do .....	362 64
W. C. Moscrip: do do Perth .....	450 00
J. Moloney: do do Peterboro .....	450 00
J. Belanger: do do Prescott & Russell .. ..	450 00
J. A. McDougald: do do Stormont, Dundas & Glengarry .....	500 00
J. McL. Stevenson: do do Simcoe .....	500 00
M. McKay: do do Renfrew .....	400 00
W. Grace Estate: do do Victoria .....	40 50
D. R. Anderson: do do do .....	409 50
J. McDougall: do do Waterloo .....	450 00
I. P. Willson: do do Welland .....	400 00
T. H. A. Begue: do do Wentworth .....	500 00
T. H. Murray (acting): do do Algoma .....	100 00
J. Meek: do do Thunder Bay .....	100 00
E. Jordan: do do Parry Sound .....	100 00
I. Hüber: do do Muskoka .....	100 00
T. J. Bourke: do do Nipissing .....	450 00

## ADMINISTRATION OF JUSTICE.—Continued.

## LOCAL REGISTRARS (\$6,821.05).

J. T. Hewitt:	Salary as Registrar	Brant	225 00
Matthew Goetz:	do	Bruce	225 00
John McLaren:	do	Dufferin	225 00
D. McLaws:	do	Elgin	225 00
Francis Cleary:	do	Essex	225 00
A. McGill:	do	Frontenac	93 75
J. L. Whiting (acting):	do	do	56 25
T. M. Asselstine:	do	do	75 00
S. C. McDonald:	do	Haldimand	200 00
W. A. Bishop:	do	Grey	250 00
W. A. Lawrence:	do	Halton	200 00
D. McDonald:	do	Huron	250 00
James Holmes:	do	Kent	225 00
Alex. Saunders:	do	Lambton	225 00
Wm. P. McEwen:	do	Lanark	225 00
O. K. Fraser:	do	Leeds and Grenville	250 00
W. P. Deroche:	do	Lennox and Addington	200 00
J. Clench:	do	Lincoln	221 05
C. C. Rapelje:	do	Norfolk	225 00
Jno. T. Field:	do	Northumberland and Durham	250 00
L. T. Barclay:	do	Ontario	225 00
J. B. Dixon:	do	Peel	200 00
W. H. R. Allison Estate:	do	Prince Edward	18 68
N. Gilbert:	do	do	181 32
W. C. Moscrip:	do	Perth	225 00
J. Moloney:	do	Peterborough	225 00
J. Belanger:	do	Prescott and Russell	225 00
M. McKay:	do	Renfrew	200 00
J. A. McDougald:	do	Stormont, Dundas and Glengarry	250 00
W. Grace Estate:	do	Victoria	19 94
D. R. Anderson:	do	do	205 06
J. McDougall:	do	Waterloo	225 00
I. P. Willson:	do	Welland	200 00
T. H. Murray (acting):	do	Algoma	50 00
J. Meek:	do	Thunder Bay	50 00
E. Jordan:	do	Parry Sound	50 00
I. Huber:	do	Muskoka	50 00
T. J. Bourke:	do	Nipissing	150 00

## LAND TITLES OFFICE (\$5,858.08).

J. G. Scott:	Twelve months' salary as Master of Titles	3,000 00
H. D. Sinclair:	do Chief Clerk	1,050 00
H. C. Russell:	do Clerk	800 00
W. G. Yelland:	do	750 00
Warwick Bros. & Rutter:	Printing and binding, 76.44; L. K. Cameron: Stationery, 130.22; Paper, 29.07	235 73
Can. Legal Pub. Co.:	Law list, 3.00; C. E. Goad: Revision of atlas Toronto and vicinity, 5.00	8 00
James McMaster:	Postage stamps, 8.00; Wright Cartage Co.: Cartage, 1.75	9 75
C. Potter:	Circle measurer, .35; T. Eaton Co.: Toilet set, 3.25; Geo. Lugsdin & Co.: repairing brief bag, 1.00	4 60

## LOCAL MASTERS OF TITLES IN THE DISTRICTS (\$4,745.68).

H. C. Hamilton:	Allowance as Local Master	Sault Ste. Marie	731 70
P. McCurry:	do	Parry Sound	658 20
J. E. Lount:	do	Bracebridge	318 15
J. M. Munro:	do	Port Arthur	164 70
Jno. Loughrin:	do	North Bay	646 80
F. J. Apjohn:	do	Rat Portage	1,050 50



## ADMINISTRATION OF JUSTICE.—Continued.

## LOCAL MASTERS OF TITLES IN THE DISTRICTS.—Continued.

Sault Ste. Marie:		
W. Simpson: Rent of office, 109.70; L. K. Cameron: Stationery, 31.50 .....		141 20
Dom. Express Co.: Charges, 1.83; Can. Express Co., .70 .....		2 53
North Bay:		
L. K. Cameron: Stationery, 73.25; Can. Express Co.: Charges, 2.35 .....		75 60
Rat Portage:		
Electric Light and Tel. Dept.: Light, 19.20; Renewal lamps, 1.25 .....		20 45
C. Gripton: Stamps, 4.00; L. K. Cameron: Stationery, 83.50; Dom. Express Co.: charges, 7.80 .....		95 30
Parry Sound:		
L. K. Cameron: Stationery, 74.90; Warwick Bros. & Rutter: Printing and binding, 7.65; Can. Express Co.: Charges, 1.26 .....		83 81
Bracebridge:		
L. K. Cameron: Stationery, 20.50; Rolph, Smith & Co.: Repairing seal, 1.85 .....		22 35
Canadian Express Co.: Charges .....		1 00
Port Arthur:		
L. K. Cameron: Stationery, 17.50; Can. Express Co.: Charges, 1.00; Wells & Em- merson: Stove, pipe, etc., 15.70 .....		34 20
Fort Francis:		
L. K. Cameron: Stationery, 139.55; Warwick Bros. & Rutter: Printing, 5.95 .....		145 50
Rolph, Smith & Co.: Seal and press, 6.50; C. Gripton: Stamps, etc., 7.75 .....		14 25
Wells Hardware Co.: 9½ tons coal, 94.50; Cartage, 4.73 .....		99 23
G. T. Railway Co.: Freight charges, 4.67; Dom. Express Co.; charges, 6.13 .....		10 80
H. J. Sissons: To pay freight, etc., 6.18; Trav. expenses re appointment and tak- ing over books, 154.15 .....		160 33
General:		
Warwick Bros. & Rutter: Printing and binding, 54.15; L. K. Cameron: Paper, 52.06 .....		106 21
Jas. McMahon: Postage stamps, 6.00; G. Wynn: Copying, 11.00; Can. Express Co.: Charges, 1.15 .....		12 15
J. G. Scott: To pay telegrams, express charges, etc., 7.31; Trav. expenses and dis- bursements, 136.81 .....		144 12

## DRAINAGE TRIALS ACT (\$5,227.60).

J. B. Rankin: Twelve months' salary as Referee .....		3,500 00
E. I. Scully: do Stenographer .....		900 00
L. K. Cameron: Stationery, 98.68; Rolph, Smith & Co.: Stamping, 11.02 .....		109 70
Can. Express Co.: Charges, 3.75; Trav. expenses: J. B. Rankin, 518.00; E. I. Scully, 196.15 .....		717 90

## DISTRICT OF ALGOMA (\$22,240.71).

W. A. Quibell: Twelve months' salary as Stipendiary Magistrate .....		1,400 00
Geo. Burden: do do do .....		1,000 00
D. M. Brodie: do Police do .....		1,000 00
W. H. Carney: do Sheriff .....		1,400 00
J. J. Kehoe: Nine do Clerk of the Peace and District Attorney ..		300 00
N. Simpson: Two & three-fourths do do .....		93 75
T. H. Murray: Twelve do Clerk District Court .....		600 00
R. Rush: do Constable .....		600 00
Jno. Tansey: do do .....		400 00
Isaac Hortie: do do .....		200 00
Wm. Irving: Six do do .....		250 00
A. E. Storie: Five do do .....		208 34
Jno. Egan: Twelve do do .....		100 00
Thos. Lonergan: do do .....		150 00



## ADMINISTRATION OF JUSTICE.—Continued.

## DISTRICT OF ALGOMA.—Continued.

J. J. Kehoe: Allowance for rent of office .....	75 00
N. Simpson: do do .....	23 44
T. H. Murray: do do .....	150 00
Alex. Thorburn: Twelve months' salary as Lock-up Keeper, Gore Bay .....	300 00
Margaret Thorburn: do Matron, Gore Bay .....	100 00
A. McKellar: do Gaoler, Sault Ste. Marie .....	600 00
Isabella McKellar: do Matron, do do .....	200 00
C. B. Harris: do Turnkey, do do .....	450 00
Wm. Harris: Nine do Assistant Turnkey, Sault Ste. Marie .....	305 40
James McLurg: Twelve do Gaol Surgeon, do do .....	200 00
Thos. Gorley: do Lock-up Keeper, Manitowaning .....	200 00
Ruthven Hay: do do Little Current .....	200 00
J. B. Gilbert: do do Mine Centre .....	300 00
Wm. Irving: Six do do Webbwood .....	75 00
A. E. Storie: Five do do do .....	62 50
Louisa Irving: Twelve do Matron, Webbwood .....	75 00
Ennis Chambers: do Lock-up Keeper, Massey .....	100 00
Jno. Tansey: do do Blind River .....	75 00
Nelson Harmon: do do Wa Wa .....	300 00
Thos. Lonergan: do do Chapleau .....	75 00
W. H. Carney, Local Treasurer: To pay Administration of Justice accounts:	
December quarter, 1,983.53; March quarter, 1,881.97; June quarter, 2,372.68 ....	
September quarter, 1,371.02; December quarter, 1,400.00 .....	9,009 30
M. F. Keeley: Services as Constable at Spragge at 75.00 per month, 304.00; Disbursements, 196.90 .....	500 90
J. N. Black: Services as Constable at Killarney at 50.00 per month, 225.00; Trav. expenses, 19.00; Board allowance, 67.50 .....	311 50
F. Leighfield: Plastering Gaoler's house, 5.75; Farwell & Co.: Stoves, etc., 62.00 .....	67 75
Culliton & Anstey: Repairing pipes, 1.80; S. J. Bradley: Repairing stoves, 2.00 .....	3 80
Rice Lewis & Son: Leg irons, 7.00; R. Hay: Carpentering, 9.00; A. Gagnon: Plastering, 3.50 .....	19 50
Moore & Brown: File boxes, hardware, etc., 23.19; P. Freemont: Repairing lock-up, 2.50 .....	30 00
N. R. Smith: Book case, 6.50; Hart & Riddell: Division Court Books, 50.09 .....	56 59
L. K. Cameron: Stationery, 271.25; Can. Express Co.: Charges, 2.82; Dom. Express Co., 6.25 .....	280 32
J. E. Henderson: Trav. expenses as Reporter at Assizes, 41.19; J. E. Rogers: Expenses <i>re</i> murder, 44.95 .....	86 14
W. Greer: Expenses <i>re</i> murder .....	305 79

## DISTRICT OF THUNDER BAY (\$15,158.48).

W. C. Dobie: Twelve months' salary as Stipendiary Magistrate .....	1,000 00
A. McDougall: do do .....	1,000 00
A. W. Thompson: do Sheriff and Treasurer .....	1,200 00
J. Meek: do Clerk District Court .....	450 00
David Mills (acting): do do of Peace and Dis. Attorney .....	250 00
James Whalen: Ten & one-half Constable .....	350 00
Henry Doyle: One & one-fourth do .....	42 21
Thos. Penfold: Twelve do Gaoler, Port Arthur .....	600 00
Nettie Penfold: do Matron, do .....	175 00
G. W. Brown, M.D.: do Gaol Surgeon, do .....	150 00
Richard McNabb: do Gaoler, Fort William .....	575 00
Janet McNabb: do Matron, do .....	125 00
W. H. Hamilton, M.D.: do Gaol Surgeon, do .....	200 00
A. W. Thompson, Local Treasurer: To pay Administration of Justice accounts:	
December quarter, 2,158.54; March quarter, 1,477.49; June quarter, 2,478.62 .....	
September quarter, 1,169.34; December quarter, 1,500.00 .....	8,783 99
Rice Lewis & Son: Handcuffs, leg irons, etc., 33.00; W. T. Strachan: Papering, 6.89 .....	39 89
J. A. Widding: Papering, 22.00; J. E. McNabb: Storm sash, doors, etc., 34.20 .....	56 20
Hart & Riddell: Division Court books, 10.00; L. K. Cameron: Stationery, 92.50 .....	102 50
Dom. Express Co.: Charges, 6.60; J. E. Henderson: Trav. expenses as Reporter at Assizes, 49.59 .....	56 19
J. W. Murray: Expenses <i>re</i> Spragge forgery case .....	2 50

## ADMINISTRATION OF JUSTICE.—Continued.

## DISTRICT OF RAINY RIVER (\$14,196.90).

James Robinson: Twelve months' salary as Stipendiary Magistrate & Local Treasurer ..	900 00
W. Young: do Police Magistrate .....	800 00
C. J. Hollands: do do .....	400 00
J. W. Humble: do Sheriff .....	1,000 00
F. J. Apjohn: do Registrar and Clerk District Court .....	700 00
P. E. Mackenzie: do Clerk of Peace and District Attorney .....	250 00
W. H. McKay: do Constable .....	900 00
A. Guerard: do do .....	200 00
M. Emmons: do do .....	600 00
Christian I. McKay: do Matron, Rat Portage .....	200 00
J. A. Martin: do Turnkey, do .....	744 00
S. S. Scovil, M.D.: do Gaol Surgeon, Rat Portage .....	200 00
Jno. Perry: do Lock-up Keeper, Fort Francis .....	450 00
Richard Salter: do do Emo .....	240 00
Robt. McCullough: do do Atikokan .....	150 00
Wm. Cook: do do Rainy River .....	240 00
do Arrears for 1903 do do .....	60 00
Jas. Robinson, Local Treasurer: To pay Administration of Justice accounts; December quarter, 1,334.10; March quarter, 1,170.24; June quarter, 1,130.50 .....	5,409 92
September quarter, 525.08; December quarter, 1,250.00 .....	
C. J. Hollands: P. M. Local Treasurer, expenditure: December, 118.55; January, 25.00; February, 103.70 .....	435 75
March, 52.60; June quarter, 135.90 .....	
W. Mackenzie & Co.: Matting, etc., 7.50; Rice Lewis & Son: Dominion ensign, 6.00; handcuffs, 5.70 .....	19 20
J. Rideout & Co.: Repairing furniture, etc., 39.20; Wells Hardware Co.: Stoves, pipes, etc., 83.60 .....	122 80
Gowans, Kent & Co.: Lamps, 11.50; A. F. Fife & Co.: Plumbing and supplies, 24.45 ..	35 95
J. C. Baxter: Kalsomining, 7.00; S. C. McGimsie: Book shelves, lumber, etc., 30.73 ..	37 73
L. K. Cameron: Stationery, 42.50; Blank books, 9.50; Hart & Riddell: Division Court books, 6.95 .....	58 95
J. E. Henderson: Trav. expenses as Reporter at Assizes, 35.24; Can. Express Co.: Charges, 7.36 .....	42 60

## DISTRICT OF NIPISSING (\$21,241.54).

J. Loughrin: Twelve months' salary as Stipendiary Magistrate .....	1,600 00
James Kirkwood: do do do .....	750 00
H. C. Varin: do Sheriff and Treasurer .....	950 00
A. G. Browning: do Clerk of Peace and District Attorney .....	250 00
F. Gagne: do Constable .....	300 00
T. Keaney: do Gaoler, Sudbury .....	400 00
Bridget Keaney: do Matron, do .....	100 00
Xavier Ranger: Six do Turnkey, do .....	200 00
R. H. Arthur, M.D.: Twelve do Gaol Surgeon, Sudbury .....	150 00
S. A. Huntington: do Gaoler, North Bay .....	550 00
Julia E. Huntington: do Matron, do .....	120 00
E. F. Huntington: do Turnkey, do .....	400 00
A. McMurchy, M.D.: do Gaol Surgeon, North Bay .....	150 00
Jno. McMeekin: do Gaoler, Mattawa .....	300 00
M. E. McMeekin: do Matron, do .....	100 00
D. F. Smith, M.D.: do Gaol Surgeon, Mattawa .....	100 00
Stephen Dunn: do Gaoler, Bonfield .....	75 00
do Arrears for 1903 do do .....	18 75
Charles Rochon: Twelve months' salary as do Sturgeon Falls .....	100 00
S. C. McElwain: Services Constable at Wahnapiatae, 1 month, 41.66; Allowance for board, 20.00 .....	61 66
H. C. Varin, Local Treasurer: To pay Administration of Justice accounts; December quarter, 2,452.22; March quarter, 3,259.86; June quarter, 3,455.09 .....	13,233 02
September quarter, 2,415.85; December quarter, 1,650.00 .....	
D. M. Brodie: P. M. trav. expenses, 144.98; J. Burke: Repairing electric lighting, 28.11	173 09
Jno. Kay, Son & Co.: Carpet, rugs, etc., 92.16; T. Eaton Co.: Canadian ensign, 7.57 ..	99 66

## ADMINISTRATION OF JUSTICE.—Continued.

## DISTRICT OF NIPISSING.—Continued.

R. Horne: Furnishings, hardware, etc., 57.14; Warren Sporting Goods Co.: Handcuffs, etc., 20.00	77 14
J. Bourgeon: Carpentering, 10.63; McDonald & Hay: Pipe, hardware, etc., 51.00	61 63
J. W. McDonald: Range, stove pipe, etc., 75.78; Geo. Levesque: Stove, etc., 9.65	85 43
R. Wallace: Bricklaying, 15.00; O. J. Taillefer: Reglazing, etc., 61.90	76 90
Chas. Rogers & Sons Co.: Furniture, 67.50; L. A. Cooper: Lumber, 4.01	71 51
R. Home: Tile, wire netting, etc., 47.25; A. O. Laing: Decorating at Court House, North Bay, 200.00	247 25
Rice Lewis & Son: Handcuffs, 5.70; S. L. Brown: Repairing furniture, 4.85	10 55
Hart & Riddell: Division Court books, 10.95; L. K. Cameron: Stationery, 77.50; Blank books, 24.50	112 95
Dominion Express Co.: Charges, 1.40; Can. Express Co., 4.60	6 00
E. E. Horton: Trav. expenses as Reporter at Assizes, 11.25; J. W. Murray: Expenses re incendiary fires, 40.60	51 85
J. E. Rogers: Expenses re shooting case, 36.10; Bribery and robbery, 166.50; Murder case, 56.55	259 15

## DISTRICT OF MUSKOKA (\$7,538.89).

W. H. Spencer: Twelve months' salary as Police Magistrate (including trav. expenses)	500 00
H. B. Bridgland: do Sheriff	500 00
Thos. Johnson: do Clerk of Peace and District Attorney	250 00
Isaac Huber: do do District Court	450 00
Richard Mills: do Lock-up Keeper, Bracebridge	500 00
Rebecca Mills: do Matron, do	100 00
O. W. Colbeck, M.D.: do Gaol Surgeon, do	150 00
F. Francis: do Lock-up Keeper, Huntsville	200 00
J. E. Lount, Local Treasurer: To pay Administration of Justice accounts: December quarter, 1,132.63; March quarter, 581.78; June quarter, 1,467.53	
September quarter, 883.15; December quarter, 501.77	4,566 86
Jas. Hall: Masonry, 4.80; Jas. Whitten: Furnace pipes, etc., 6.15; Warwick Bros. & Rutter: Printing, 5.95	16 90
Hart & Riddell: Division Court books, 10.75; L. K. Cameron: Stationery, 162.87; Blank book, 5.00	178 62
Can. Express Co.: Charges, 4.31; W. Greer: Expenses re Landrigan extradition, 109.20	113 51
E. E. Horton: Trav. expenses, as Reporter at Assizes	13 00

## DISTRICT OF PARRY SOUND (\$12,216.18).

J. Farrer: Twelve months' salary as Police Magistrate	600 00
Jno. Duke: Six do do	152 75
S. Armstrong: do Sheriff	500 00
W. L. Haight: do Clerk of Peace and District Attorney	250 00
E. Jordan: do do District Court	450 00
W. L. Haight: Allowance for rent	100 00
W. J. Bradley: Twelve months' salary as Gaoler, Parry Sound	500 00
Ellen Bradley: do Matron, do	100 00
J. E. Appleby, M.D.: do Gaol Surgeon, Parry Sound	150 00
Wm. Wilson: do Gaoler, Burks Falls	250 00
Janet Wilson: do Matron, do	50 00
Richard Rattie: Six do Gaoler, French River	25 00
S. C. McElwain: do do do	37 50
Jno. Free: Twelve do Lock-up Keeper, Byng Inlet	300 00
S. Armstrong, Local Treasurer: To pay Administration of Justice accounts: December quarter, 1,643.46; March quarter, 1,077.22; June quarter, 2,312.55	
September quarter, 1,018.24; December quarter, 1,300.00	7,351 47
S. C. McElwain: Services as constable at French River at 500.00 per annum	458 26
do allowance for board, 220.00; trav. exps., 72.30; acctble., 25.00	317 30
D. McRae: Services as Constable at Depot Harbor, 350.00; Trav. expenses, 20.25	370 25

## ADMINISTRATION OF JUSTICE.—Continued.

## DISTRICT OF PARRY SOUND.—Continued.

Parry Sound Yachting Fleet: Hire of tug, 21.00; O. Ranger: Trav. expenses as Constable, French River, 15.95	36 95
T. W. George: Stove, refrigerator, etc., 53.00; Knight Bros.: Repairing door, 4.35	57 35
T. Eaton Co.: Office furniture, 25.85; A. N. Fenn: Office furniture, 1.40	27 25
C. Gillespie: Repairing office, 3.75; Geo. Moore & Bro., Wall paper, etc., 7.32	11 07
H. W. Wolton: Painting, 34.93; Can. Express Co., 4.12; E. Pegg: Teaming, etc., 11.10	50 20
Hart & Riddell: Division Court books, 2.73; L. K. Cameron: Stationery, 49.00; Blank book, 5.00	56 73
E. E. Horton: Trav. expenses as Reporter at Assizes	14 10

## PROVISIONAL COUNTY OF HALIBURTON (\$1,450.00).

W. Fielding: Twelve months' salary as Police Magistrate	800 00
R. C. Garratt: do Gaoler, Minden	150 00
E. C. Young: Salary as Registrar of Deeds	200 00
Judge Harding: Allowance for travelling expenses	300 00

## DISTRICT OF MANITOULIN (\$6,816.83).

E. H. Jackson: Twelve months' salary as Sheriff	500 00
A. G. Murray: do Treasurer	150 00
do do Clerk of Peace and District Attorney	250 00
W. R. Abrey: do Registrar of Deeds and Master of Titles	600 00
J. M. Fraser: Arrears, 1903, as Clerk of Division Court	450 00
do Arrears, 1903 do	91 00
W. W. McCoy: Twelve months' salary as Constable	350 00
R. R. McKessock: Services as Acting Crown Attorney & Clerk of Peace, 1901	100 00
A. G. Murray, Local Treasurer, to pay Administration of Justice Accounts:—	
December qr., 641.43; March qr., 491.83; June qr., 1,953.37	
September qr., 496.02; December pr., 500.00	4,082 65
E. L. Brazenor: Balance Administration of Justice Accounts, 1901-2	114 18
W. R. Abrey: To pay for fuel, 34.40; J. G. Kingsboro: Hardware, 2.00	36 40
Smith & Henderson: Lumber, 14.23; W. A. Thorburn: Lumber, etc., 12.97	27 20
R. D. Boyter: Iron work, 1.25; R. Connell: Repairing pump, 25.00; J. Mastin: Rep'g. pump, 3.50	29 75
Dom. Express Co.: Charges, .55; L. K. Cameron: Staty., 6.50; blank book, 5.00	12 05
W. Greer: Expenses re supposed murder	64 60

## PROVINCIAL POLICE, NIAGARA AND DETROIT RIVERS (\$11,252.06).

E. Cruikshank: One months' salary as Police Magistrate	100 00
W. H. Mains: Twelve do Chief Constable	1,110 00
R. Griffin: do Constable	1,000 00
C. A. O'Malley: do do	823 50
P. Kelly: do do	650 00
Wm. McHattie: do do	650 00
M. McNamara: do do	612 50
Thos. A. Walker: do do	600 00
do Arrears, 1903	25 00
M. F. Troup: Four months' salary as do	200 00
do Arrears for 1903	50 00
C. J. Metcalf: Six months' salary as Constable	368 00
H. M. Sheppard: do do	300 00
A. Davey: Four do Sarnia	750 00
Alex. Bartlett: Allowance as Police Magistrate, Detroit River	1 00 00
A. F. Campeau: Twelve months' salary as Chief Constable, Detroit River	1,000 00
Chas. Mahoney: do Constable, do	900 00
Andrew Murray: do do	200 00



## ADMINISTRATION OF JUSTICE.—Continued.

## PROVINCIAL POLICE, NIAGARA AND DETROIT RIVERS.—Continued.

## Niagara River:—

Postmaster: Stamps & rent of box, 15.00; G.N.W. Tel. Co.: Telegrams, 33.75	48 75
Bell Tel. Co.: Messages	78 18
Printing & Stationery: W. H. Buckley, 3.70; J. J. Sidey, 1.25	4 95
Anderson & Logan: Police clothing	470 50
Photos of prisoners: Buckley & Co., 7.50; E. Poole, 2.00; C. B. Willson, 5.00	14 50
Services as Interpreter: F. Lococo, 3.50; L. Melchar, 2.00; J. Mencho, 1.50	
John Inaghavelle, 1.00; A. Lymburner, 2.00	10 00
Assistance: James Milloy, 3.50; T. Barnet, 3.50; B. A. Cook, 7.00	
James Willox, 3.50; G. Chemister, 3.50	21 00
E. Cruikshank, P.M.: Travelling expenses & disbursements	13 77
Trav. Expenses: C. A. O'Malley, 13.51; P. Kelly, 31.70; W. McHattie, 35.09	
T. A. Walker, 23.80; W. McNamara, 47.70; W. H. Mains, 52.23	
R. Griffin, .75; C. J. Metcalf, 14.05; H. M. Sheppard, 2.50	221 33
C. Baldry: Meals for prisoners	153 25
T. A. Walker: Exps. removal, Niagara Falls to Bridgeburg	28 50
Sundry Newspapers: Advertising	2 50

## Detroit River:—

Postmaster: Postage stamps & rent of box, 4.00; Bell Tel. Co.: Messages, 31.85	36 85
C.P.R. Telegraph: Telegrams, .52; G.N.W. Tel. Co.: Telegrams, 16.71	17 23
Printing & Staty.: Sarnia Observer, 7.75; Record Ptg. Co., 16.00; G. E. Cope-land, 2.95	26 70
Union Pub. Co.: Directory	2 50
Police Clothing: W. Oldham, 50.00; Broderick & Co., 25.00; J. J. Donoghue, 75.00; E. F. Beaume, 50.00	200 00
Trav. Expenses: A. Murray, 175.85; C. Mahoney, 121.70; A. F. Campeau, 27.80	325 35
Cab hire: C. McPhee, 54.50; T. G. Ferris, 32.00; Richmond Estate, 3.00	
J. C. Kemp, 1.50	91 00
Medbnry Estate: Rent of office	37 50
Sheriff, St. Clair Co., Mich.: Services of officer and exps, re stolen goods	9 70

## CROWN COUNSEL PROSECUTIONS (\$6,345.75).

## Services, Winter Assizes:—

Carleton: W. F. Kerr, 84.00; Middlesex: James Magee, 57.00; S. D. & G. J. Dingwall, 26.00	167 00
Wentworth: Crerar & Crerar, 150.01; York: S. C. Biggs, 132.00	282 00

## Services, Spring Assizes:—

Addington: C. H. Widdfield, 20.00; Brant: Jas. E. Day, 350.00; Bruce: N. Jeffrey, 20.00	390 00
Carleton: M. K. Cowan, 336.00; Dufferin: W. M. McClement, 20.00; Elgin: Alex. Stuart, 20.00	376 00
Essex: J. C. Hegler, 50.00; Frontenac: W. S. Herrington, 20.00; Grey: J. Birnie, 60.00	130 00
Halton: C. L. Dunbar, 20.00; Huron: C. Seager, 10.00; Haldimand: S. F. Washington, 50.00	80 00
Hastings: F. L. Webb, 20.00; Kent: F. F. Pardee, 20.00; Leeds and Grenville: J. Williams, 60.00	100 00
Lambton: A. O. Jeffrey, 20.00; Lincoln: W. H. Wardrope, 20.00; Middlesex: W. Proudfoot, 135.00	175 00
Norfolk: Jas. Harley, 20.00; Nipissing: D. A. Dunlop, 32.00; Ontario: E. S. C. Huycke, 20.00	72 00
Oxford: G. J. Smith, 46.00; Prescott & Russell: G. Henderson, 218.00; Peterboro: H. O'Leary, 54.00	318 00
Peel: W. H. McFadden, 32.00; D. O. Cameron, 20.00; Perth: J. Idington, 32.00; Prince Edward: G. E. Deroche, 20.00	104 00
Parry Sound: W. L. Haight, 52.00; Renfrew: J. A. Allen, 20.00; Stormont: D. & G. W. S. Herrington, 20.00	92 00
Simcoe: R. D. Gunn, 57.00; Victoria: D. O'Connell, 20.00; Waterloo: W. H. Wardrope, 20.00	97 00
Welland: R. McKay, 20.00; Wentworth: S. C. Biggs, 108.00; York: Hugh Guthrie, 182.00	310 00



## ADMINISTRATION OF JUSTICE.—Continued.

## CROWN COUNSEL PROSECUTIONS.—Continued.

Services, Summer Assizes:—	
Muskoka: C. E. Hewson, 20.00; Thunder Bay, R. C. Clute, 362.00	382 00
Services, Fall Assizes:—	
Algoma: L. V. McBrady, 212.00; Bruce: E. B. Stone, 48.00; Brant: W. E. S. Knowles, 28.00	288 00
Carleton: Jno. King, 103.00; Dufferin: J. Birnie, 20.00; Essex: S. C. Biggs, 308.00	431 00
Frontenac: W. S. Herrington, 20.00; Grey: L. V. McBrady, 32.00; Halton: C. L. Dunbar, 20.00	72 00
Haldimand: J. Harley, 43.00; Hastings, F. L. Webb, 20.00; Huron: Alex. Stuart, 20.00	83 00
Kent: E. B. Stone, 26.00; Lennox & Add.: C. H. Widdifield, 20.00; Lambton: J. P. Bucke, 48.00	94 00
Leeds & G.: J. Williams, 20.00; Lincoln: W. H. Wardrope, 20.00; Middlesex: E. C. S. Huycke, 88.00	128 00
Muskoka: C. E. Hewson, 30.00; Northumberland & D.: S. C. Biggs, 36.00; Norfolk: N. Jeffrey, 20.00	76 00
Nipissing: D. A. Dunlop, 113.00; A. G. Browning, 20.00; Ontario: E. C. S. Huycke, 20.00	153 00
Oxford: W. H. Wardrope, 52.00; Peterboro: H. O'Leary, 35.00; Peel: Jas. E. Day, 40.00	127 00
Perth: Hugh Guthrie, 306.75; Prince Edward, G. E. Deroche, 20.00; Prescott & Russell: G. Henderson, 20.00	346 75
Parry Sound: W. L. Haight, 84.00; Rainy River: R. C. Clute, 136.00; Renfrew: J. C. Hegler, 156.00	376 00
Storont, D. & G.: W. S. Herrington, 52.00; Simcoe: R. D. Gunn, 120.00; Thunder Bay: R. C. Clute, 388.00	560 00
Welland: R. McKay, 20.00; Waterloo: W. M. McClement, 20.00; Wellington: D. O. Cameron, 20.00	60 00
Wentworth: S. C. Biggs, 36.00; York: W. Proudfoot, 440.00	476 00

## GENERAL ADMINISTRATION OF JUSTICE IN COUNTIES (\$172,097.76).

## Expenditure as Treasurer:

Brant: A. Foster: September quarter, 933.74; December quarter, 962.12; March quarter, 945.46; June quarter, 794.88	3,636 20
Bruce: N. Robertson: September quarter, 556.81; December quarter, 626.52; March quarter, 214.78; June quarter, 296.52; September quarter, 447.23	2,141 92
Carleton: H. Reilly: December quarter, 1,521.94; March quarter, 1,449.63; June quarter, 1,727.92	4,699 49
Dufferin: C. R. Wheelock: December quarter, 361.65; March quarter, 132.50; June quarter, 440.10; September quarter, 122.57	1,056 82
Elgin: J. McCausland: September quarter, 948.31; December quarter, 1,038.07; March quarter, 736.95; June quarter, 713.47	3,486 80
Essex: G. A. Wintemute: September quarter, 1,559.02; December quarter, 1,451.22; March quarter, 1,016.91; June quarter, 1,079.94	5,107 15
Frontenac: D. Purdy: December quarter, 513.27; March quarter, 583.76; June quarter, 842.75; September quarter, 524.21	2,463 99
Grey: S. J. Parker: December quarter, 1,481.76; March quarter, 515.26; June quarter, 1,302.59; September quarter, 858.15	4,163 76
Haldimand: A. A. Davis: December quarter, 346.24; March quarter, 481.31; June quarter, 836.37	1,663 92
Halton: J. Menzies: December quarter, 521.25; March quarter, 258.32; June quarter, 171.50; G. Andrew: September quarter, 158.95	1,090 03
Hastings: T. Wills: September quarter, 1902, 890.05; December quarter, 1,493.48; March quarter, 1,315.64; June quarter, 1,425.27; September quarter, 921.59	5,745 03
Huron: W. Holmes: December quarter, 423.43; March quarter, 702.68; June quarter, 995.65; September quarter, 463.20	2,584 96
Kent: J. C. Fleming: September quarter, 980.81; December quarter, 1,543.44; March quarter, 912.10; June quarter, 1,341.66	4,778 01

## ADMINISTRATION OF JUSTICE.—Continued.

## GENERAL ADMINISTRATION OF JUSTICE IN COUNTIES.—Continued.

Lambton: H. Ingram: September quarter, 541.07; December quarter, 1,143.08; March quarter, 987.27; June quarter, 911.85; September quarter, 877.59 .....	4,460 86
Lanark: J. Code: December quarter, 412.01; March quarter, 274.79; June quarter, 523.63; September quarter, 556.27 .....	1,766 70
Leeds & Grenville: L. Patton: September quarter, 738.36; December quarter, 1,120.14; March quarter, 984.49; June quarter, 480.06 .....	3,323 05
Lennox & Addington: I. Parks: December quarter, 942.14; March quarter, 335.92; June quarter, 539.72; September quarter, 472.15 .....	2,289 96
Lincoln: Ira T. Culp: September quarter, 548.41; December quarter, 813.81; March quarter, 1,104.72; June quarter, 1,029.93; September quarter, 661.44 .....	4,158 31
Middlesex: A. M. McEvoy: September quarter, 1,081.85; December quarter, 2,241.61; March quarter, 3,669.00; June quarter, 1,708.13 .....	8,700 59
Norfolk: R. Chrysler: December quarter, 340.36; March quarter, 165.71; June quarter, 307.79; September quarter, 160.77 .....	974 63
Northumberland & Durham: W. F. McNachtan: September quarter, 778.92; December quarter, 943.55; March quarter, 661.51; June quarter, 982.84; September quarter, 690.52 .....	4,057 34
Ontario: D. McKay: June quarter, 265.28; September quarter, 475.27; December quarter, 677.03 .....	1,417 58
Oxford: H. P. Brown: December quarter, 663.03; March quarter, 569.09; June quarter, 462.34; September quarter, 349.35 .....	2,043 81
Peel: R. Crawford: December quarter, 708.68; March quarter, 363.00; June quarter, 790.63; September quarter, 351.50 .....	2,213 81
Perth: G. Hamilton: September quarter, 505.66; December quarter, 652.55; March quarter, 585.03; June quarter, 399.44; September quarter, 700.35 .....	2,843 03
Peterboro: G. Stewart: December quarter, 1900, 847.18; March quarter, 946.99; June quarter, 758.12; September quarter, 1901, 470.52; December quarter, 633.52; March quarter, 524.13; June quarter, 1902, 487.27; September quarter, 410.74; December quarter, 617.34; March quarter, 1903, 354.70; June quarter, 812.92; September quarter, 597.66; E. M. Elliott: December quarter, 1903, 1,002.15; March quarter, 654.13; June quarter, 691.52 .....	3,887 89
Prescott & Russell: J. Belanger: September quarter, 367.12; December quarter, 541.90; .....	909 02
Prince Edward: D. L. Bongard: September quarter, 367.12; December quarter, 653.16; March quarter, 153.00; June quarter, 266.96; September quarter, 225.04	1,671 76
Renfrew: A. Morris: September quarter, 440.63; December quarter, 507.63; March quarter, 423.87; June quarter, 598.28 .....	1,970 41
S. D. & Glengarry: Geo. Steacey: September quarter, 977.80; December quarter, 1,381.01; March quarter, 593.90; June quarter, 1,076.02 .....	4,028 73
Victoria: J. R. McNeillie: September quarter, 369.58; December quarter, 993.37; March quarter, 362.69; June quarter, 461.17 .....	2,186 81
Waterloo: H. J. Bowman: September quarter, 467.18; December quarter, 788.58; March quarter, 553.64; June quarter, 408.67 .....	2,218 07
Welland: C. B. Bennett: September quarter, 382.94; December quarter, 1,042.22; March quarter, 440.50; June quarter, 719.77; September quarter, 839.83 .....	3,425 26
Wellington: W. Reynolds: September quarter, 795.13; December quarter, 1,411.46; March quarter, 414.79; June quarter, 1,098.20; September quarter, 581.60 .....	4,301 18
Wentworth: A. Cochrane: September quarter, 1,536.42; December quarter, 1,530.74; March quarter, 1,804.25; June quarter, 1,861.64; September quarter, 1,451.00 .....	8,184 05
Toronto: R. T. Coady: June quarter, 4,329.16; September quarter, 3,994.84; December quarter, 9,879.95; March quarter, 5,013.91; June quarter, 7,967.49 .....	31,185 35
Hamilton: A. Stuart: December quarter, 433.88; March quarter, 476.40; June quarter, 375.02; September quarter, 329.46 .....	1,614 76
York: J. K. Macdonald: June quarter, 1902, 698.10; September quarter, 492.11; December quarter, 580.77; March and June quarter, 1903, 459.72 .....	2,230 70
Expenses and disbursements, Provincial Detectives:	
Bruce: J. E. Rogers .....	36 75
Carleton: J. W. Murray .....	12 12
Dundas: W. Greer .....	40 55
Elgin: J. W. Murray .....	369 66
Essex: J. W. Murray .....	2 00

## ADMINISTRATION OF JUSTICE.—Continued.

## GENERAL ADMINISTRATION OF JUSTICE IN COUNTIES.—Continued.

Frontenac: J. W. Murray .....	12 12
Grey: J. E. Rogers, 62.20; W. Greer, 190.30 .....	252 50
Halton: J. W. Murray, 45.74; W. Greer, 16.75 .....	62 49
Hastings: J. W. Murray, 54.90; J. E. Rogers, 19.40; W. Greer, 55.30 .....	129 60
Huron: J. E. Rogers .....	14 40
Haldimand: W. Greer .....	84 65
Kent: J. W. Murray, 55.15; J. E. Rogers, 47.45 .....	102 60
Lanark: J. W. Murray .....	12 12
Lennox and Addington: J. W. Murray .....	12 12
Lambton: W. Greer .....	37 20
Middlesex: J. W. Murray, 21.20; J. E. Rogers, 34.68; W. Greer, 26.20 .....	388 08
Northumberland: J. E. Rogers .....	41 50
Norfolk: J. E. Rogers, 25.30; W. Greer, 23.55 .....	48 85
Ontario: W. Greer .....	13 55
Peterboro: J. W. Murray, 40.00; J. E. Rogers, 40.80; W. Greer, 25.35 .....	106 15
Prescott & Russell: J. W. Murray .....	60 65
Peel: W. Greer .....	20 30
Renfrew: J. W. Murray, 139.72; W. Greer, 40.00 .....	179 72
Stormont, D. and Glengarry: J. W. Murray .....	56 75
Simcoe: J. E. Rogers, 37.40; W. Greer, 188.90 .....	226 30
Victoria: J. E. Rogers .....	20 40
Wellington: J. W. Murray, 24.40; J. E. Rogers, 49.80 .....	74 20
Waterloo: J. E. Rogers .....	89 06
Welland: J. E. Rogers, 16.79; W. Greer, 65.00 .....	81 79
Wentworth: W. Greer .....	13 15
York: J. W. Murray, 12.00; J. E. Rogers, 58.15; W. Greer, 13.15 .....	83 30
J. E. Rogers: To pay subscription to "Detective," 1.00; Forms, 2.50; Phones, .90..	4 40
Hastings: Noble's Dominion Detective Agency, Services and expenses <i>re</i> investi- gation fraudulent ballot boxes .....	142 71
Simcoe: Noble's Dominion Detective Agency, Services and expenses <i>re</i> Whalen murder .....	455 53
Alfred Weekes: Stenographer <i>re</i> Assizes .....	10 00
Kent: Secretary of Treasury, U. S., costs <i>re</i> extradition of Reilly and Aker .....	188 29
Halton: W. H. Ellis, M.B., Analysis and report <i>re</i> viscera of M. Lehman .....	50 00
W. Love: Services <i>re</i> extradition Basilio Piazzi .....	50 00
Essex: Secretary of State, Ottawa, Expenses incurred by U. S. Govt. <i>re</i> extradi- tion E. Slaughter .....	73 16
Peterboro: C. H. Black, Services and expenses Assizes .....	9 35
John English: Five and one-half months' salary as Provincial Bailiff .....	550 00
J. J. Ryan: Six and one-half .....	650 00
John English: Travelling expenses and disbursements <i>re</i> transfer of prisoners .....	1,910 00
J. J. Ryan: .....	1,950 00
P. Simser: .....	131 30
Trunk & Leather Goods Co.: Bag for Bailiff Ryan, 8.00; Wood Vallance Co.: Firearms and ammunition, 62.41 .....	70 41
H. S. Howland, Sons & Co.: Handcuffs .....	31 76
Serjeant F. W. Lyons: Reward <i>re</i> capture of prisoner .....	10 00
Joseph Rogers: Revolver and cartridges for Bailiff Ryan .....	9 00
Clothing for discharged prisoners and Bailiffs:	
C. P. Industries, 2,633.85; Robert Simpson Co., 707.50; J. Macdonald & Co., 272.82; Mercer Reformatory, 455.53; S. F. McKinnon & Co., 55.55; Reformatory for Boys, 121.00; J. Jamieson, 1,019.15; C. G. Gendron, 192.00; John Shea, 28.33; M. Langmuir Co., 17.24; T. Eaton Co., 2.65; D. A. Latrey & Co., 35.50; John Guinane, 12.00; F. Hall & Son, 1.00; Rice Lewis & Son, 13.50; N. J. Bourdon, 3.00; Wheaton & Co., 1.00; John Smiley, 30.00; J. W. F. Fairweather, 3.00 .....	5,604 82
To pay carriage of discharged prisoners:	
W. P. Band, 578.05; Alex. Jaffray, 2,000.00; R. W. Laird, 200.00 .....	2,778 05
W.C. Irving: Services as Auditor, Renfrew, 50.00; Postage, 2.00 .....	52 00

## ADMINISTRATION OF JUSTICE.—Continued.

## INSPECTION OF OFFICES UNDER JUDICATURE ACT (\$3,869.33).

Jas. W. Mallon: Twelve months' salary as Inspector .....	2,000 00
W. F. Grant: do Clerk and Stenographer .....	1,200 00
Warwick Bros. & Rutter: Printing and binding, 24.40; Riordon Paper Mills: Paper, 5.28 .....	29 68
Hart & Riddell: Embossing, 1.25; Mrs. Hubertus: Postage stamps, 15.00 .....	16 25
L. K. Cameron: Stationery, 50.89; Paper, 4.98; Carswell Co.: Law books, 10.25 .....	66 12
Can. Legal Pub. Co.: Legal chart and law list, 4.50; Circuit Guide Pub. Co.: Copies, 22.50 .....	27 00
Might Directories: Directory, 6.00; C. Gipton: Stamp and repairs, 7.00; Seal and press, 6.00 .....	19 00
Wright Cartage Co.: Cartage, 1.75; Can. Express Co.: Charges, 2.50; Dom. Express Co., 2.05 .....	6 30
W. F. Grant: Petty office expenses, 4.98; J. W. Mallon: Allowance for trav. expenses, 500.00 .....	504 98

## INSPECTORS OF CRIMINAL INVESTIGATION (\$5,405.00).

J. W. Murray: Twelve months' salary as Chief Detective .....	1,800 00
J. W. Murray: Advance on account salary <i>re</i> leave of absence .....	750 00
J. E. Rogers: Twelve months' salary as Second Detective .....	1,500 00
Wm. Greer: do Third do .....	1,250 00
Employers' Liability Co.: Premium on policy, Chief Detective Murray .....	35 00
London Guarantee & Accident Co.: Premium on policy, Detectives Rogers & Greer..	70 00

## SPECIAL SERVICES (\$550.00).

Barwick, Aylesworth, Wright & Moss: Law costs Klock v. King <i>re</i> berth A west of Lake Temiskaming .....	550 00
--	--------

## SHERIFFS' FEES, ETC., (\$10,989.92).

## Attendance at Courts as Sheriff:

Brant: W. Watt, 126.00; Bruce: C. V. Parke, 97.50; Carleton: J. Sweetland, 417.75	641 25
Elgin: D. Brown, 190.25; Essex: J. C. Iler, 746.50; Frontenac: T. Dawson, 60.00..	996 75
Grey: C. H. Moore, 89.50; Haldimand: R. Davis, 10.00; Hastings: G. F. Hope, 141.50	241 00
Huron: R. G. Reynolds, 126.50; Kent: J. R. Gemmill, 76.00; Lambton: J. Flintoft, 52.25 .....	254 75
Lecds & Grenville: G. A. Dana, 95.00; Lanark: W. McGarry, 10.00; Lincoln: T. C. Dawson, 175.75 .....	280 75
Middlesex: D. M. Cameron, 378.00; Norfolk: J. Jackson, 26.50; North'd and Durham: I. O. Proctor, 51.25 .....	455 75
Ontario: J. F. Paxton, 50.25; Oxford: Jas. Brady, 72.00; Peel: R. Broddy, 53.50	175 50
Peterboro: J. A. Hall, 37.25; Prince Edward: J. Gillespie, 20.00; Renfrew: W. Moffat, 9.25 .....	66 50
Simcoe: C. Drury, 133.25; Stormont: D. & G.: A. McNab, 17.00; W. R. Mack, 30.00	180 25
Victoria: J. McLennan, 110.00; Waterloo: J. Motz, 34.25; Welland: Jas. Smith, 55.75 .....	200 00
Wentworth: J. T. Middleton, 182.75; Wellington: A. S. Allan, 131.00; York: J. H. Widdifield, 1,803.25 .....	2,117 00
Toronto: Fred Mowat .....	1,120 00
Allowance to Sheriffs to make up income 2 Edward Cap. 12, Sec. 5:	
Dufferin: T. Bowles, 202.94; Elgin: D. Brown, 153.51; Halton: M. Clements, 124.47	480 92
Oxford: Jas. Brady, 165.72; Ontario: J. F. Paxton, 27.18; Prince Edward: Jas. Gillespie, 1902 and 1913, 1,043.77 .....	1,236 67
Peel: R. Broddy, 59.67; Peterboro: J. A. Hall, 91.54 .....	151 21
Attendance at Courts as D. C. C. and Pleas:	
Algona: T. H. Murray, 60.08; Brant: J. T. Hewitt, 60.20; Bruce: W. Goetz, 44.20	164 48
Carleton: J. P. Featherston, 156.60; W. L. Scott, 16.00; Dufferin: J. McLaren, 24.10	196 70
Elgin: D. McLaws, 48.04; Essex: F. Cleary, 100.08; Grey: W. A. Bishop, 84.00 .....	232 12
Frontenac: A. McGill, 8.04; T. M. Asselstine, 16.00; Halton: W. A. Lawrence, 20.10	44 14
Haldimand: S. C. Macdonald, 12.16; Hastings: A. G. Northrup, 60.50; Huron: D. McDonald, 72.70 .....	145 36



## ADMINISTRATION OF JUSTICE.—Continued.

## SHERIFF'S FEES, ETC.—Continued

## Attendance at Courts as D. C. C. and Pleas—Continued.

Kent: J. Holmes, 56.25; Lambton: A. Saunders, 48.50; Lanark: W. P. McEwen, 16.00 .....	120 75
Leeds & Grenville: O. K. Fraser, 44.28; Lincoln: J. Clench, 68.14; Lennox and Addington: W. P. Leroche, 16.20 .....	128 62
Middlesex: J. Macbeth, 108.35; R. K. Cowan: acting, 16.00; Muskoka: I. Huber, 36.00 .....	160 35
Norfolk: C. C. Rapelje, 20.25; Northumberland & Durham: J. T. Field, 24.08; Nipissing: T. J. Bourke, 20.20 .....	64 53
Oxford: J. Canfield, 48.31; W. T. McMullen, 20.00; Ontario: L. T. Barclay, 16.05; Parry Sound: D. Jordan, 40.22; Peel, J. B. Dixon, 28.00; Perth: W. C. Moscrip, 64.75 .....	84 36
Peterboro: J. Moloney, 44.12; Prince Edward: N. Gilbert, 12.00; Prescott & Russell: J. Belanger, 40.13 .....	152 97
Rainy River: F. J. Apjohn, 24.00; Renfrew: M. M. McKay, 24.00; Simcoe: J. Stevenson, 36.51 .....	95 25
Simcoe: J. R. Cotter, 21.00; Stormont, D. & G.: J. A. McDougald, 56.04; Thunder Bay: J. Meek, 40.19 .....	84 51
Victoria: D. R. Anderson, 48.00; Welland: I. P. Willson, 36.36; Wellington: A. M. McKinnon, 36.12 .....	116 25
Wentworth: T. H. A. Begue, 76.40; Waterloo: J. McDougall, 28.02; C. Huber: Crier, 15.75; York: J. Henderson, crier, 379.35 .....	120 48
	499 52

## SEALS AND OTHER CONTINGENCIES (\$151.12).

C. Gipton: Seal 7 Division Court, Algoma, 6.75; 6 Division Court, Essex, 6.50; 5 Division Court, Lanark, 6.60; 3 Division Court, Perth, 6.40 .....	26 25
C. Gipton: Repairing seal 1 Division Court, York, 4.00; Can. Express Co.: Charges, .30; Dom. Express Co., .57 .....	4 87
H Macbeth: Secretary Law Society, contribution towards telegraph service, Osgoode Hall .....	120 00

## CONSTITUTIONAL QUESTIONS (\$1,200.91).

Æ. Irving: Legal services re Chaudiere & Ottawa R .....	600 00
do Boundary between Ontario and Quebec .....	400 00
do Fishing Rights, Nipigon R. ....	50 00
do New Indian Treaty .....	100 00
do Indian Islands, Georgian Bay .....	50 00
Ewart, Wyld & Osler: Prof. Services at Ottawa re Toronto & Hamilton Ry .....	12 07
do do H. B. & G. Ry .....	5 52
N. R. Butcher: Copying re Chaudiere Islands, 2.50; J. R. Forsyth: To pay postage, etc., .82 .....	3 32

## GROUPED COUNTIES (\$827.10).

His Honor Judge Chapple: Services and expenses .....	43 10
do Madden: do .....	414 60
do Price: do .....	369 40

## SHORTHAND REPORTERS (\$11,300.00).

A. H. Crawford: Twelve months' salary as Reporter .....	1,600 00
A. J. Henderson: do .....	1,500 00
R. Tyson: do .....	1,500 00
E. E. Horton: do .....	1,500 00
F. V. Dickson: do .....	1,300 00
N. R. Butcher: do .....	1,300 00
H. J. Emerson: do .....	1,300 00
J. Agnew: do .....	1,300 00



ADMINISTRATION OF JUSTICE.—Continued.

COUNTY LAW LIBRARIES (\$1,200).

Treasurer Ontario to pay Library:

Brant, 49.32; Bruce, 45.66; Carleton, 65.43; Elgin, 47.66; Essex, 47.66; Frontenac, 48.99; Grey, 46.32; Hamilton, 65.43; Hastings, 46.66; Huron, 50.32; Kent, 47.99; Leeds, 51.99; Lindsay, 48.56; Middlesex, 60.99; Norfolk, 44.66; Ontario, 45.66; Oxford, 47.99; Perth, 47.66; Peterboro, 48.66; Simcoe, 54.66; Stormont, 47.66; Welland, 44.32; Wellington, 47.99; Waterloo, 47.66

MAINTENANCE, OSGOOD HALL (\$9,864.65).

T. Cunerty: Twelve months' salary as Engineer	1,000 00
C. Sendall: do Fireman	360 00
K. McKenna: do Housekeeper	300 00
Pay lists: Wages, carpenters, bricklayers, plumbers, laborers, etc.	1,604 36
W. McGill & Co:	
109-400 tons coal, grate, at 6.00, 655.21; 3 tons stove at 6.20, 18.60; 64-1525 tons egg at 6.20, 401.54; Baging coal, .75; 3 cords pine at 5.25, 15.75; 10 cords wood at 6.75, 67.50; Cutting, 6.50; 2 cords wood at 6.75, 14.01; Cutting, .50; half cord pine at 6.75, 2.88	1,183 24
James Milnes & Co.: 11-900 tons soft coal at 6.15, 70.43; 64-1150 tons soft coal at 5.40, 348.44	418 87
Consumers' Gas Co.: Gas, 753.36; Waterworks Dept.: Water, 251.51	1,004 87
Knickerbocker Ice Co.: Ice, 115.20; Office Specialty Mfg. Co.: Vault fittings, 682.00	797 20
John Inglis Co.: Repairing boiler	445 32
C. Rogers & Sons Co.: Contract pigeon hole cases, 470.00; Book case, 95.00	565 00
C. M. Henderson & Co.: Book case, 11.50; The Rogers Furniture Co.: Furniture, etc., 600.08	611 58
J. B. Smith & Sons: Lumber, 120.40; F. Hillock: Lumber, 4.60	125 00
Harrison & Robertson: Steamfitting, etc., 58.15; J. Ritchie, Plumbing and Heating, Co.: Plumbing, 5.33	63 48
Plumbing supplies, castings, etc.: James Robertson Co., 86.87; Gurney Foundry Co., 3.00; Dom. Radiator Co., 18.12	107 99
J. J. O'Hearn: Painting, glazing, etc., 491.26; J. W. Kennedy: Ironwork, 6.75	498 07
Power Bros.: Ironwork, 57.82; Toronto Aur Light Co.: Fittings, 30.45	88 27
Shipway Ironworks: Locksmithing and bell hanging, 50.05; W. J. Hynes: Plastering, 16.47	66 52
Hardware: Aikenhead Hardware Co., 60.05; Rice Lewis & Son, 16.00	76 05
W. Maguire: Cement brick, 79.63; Am. Tent and Awning Co.: Awnings, 26.00	105 63
Luxfer Prism Co.: Prisms, 43.50; J. & J. L. O'Malley & Co.: Upholstering and repairs, cleaning carpets, etc., 234.74	278 24
J. Kay Son & Co.: Carpets, etc	119 84
Furnishings:	
McCall Bros. & Co., 4.49; J. Catto & Son, 15.20; Hargreaves' Bros., 4.00; McDonald & Willson, 11.15; Wheeler & Bain, 9.72; G. H. Cooper, 7.70; Imperial Varnish & Color Co., 27.90; J. T. Wilson, 68.15; W. H. Sparrow, 6.50; W. A. Murray & Co., 12.70; W. Beers, 8.32	175 83
Cleaning, etc.: May Robinson, 180.00; C. Sutherland, 186.50	366 50
J. Moroney: Cleaning ash pit, 16.80; Forbes Roofing Co.: Cleaning snow from roof, 275.80	292 60
Forbes Roofing Co.: Repairing roof, 45.20; G. Duthie & Sons: Repairing roof, 3.65	48 85
T. N. Hopkins: Cleaning chimneys	9 80
Care of clocks and repairs: P. W. Ellis & Co., 24.00; W. Alexander, 12.50	36 50
V. P. Fayle: Expenses weighing coal	5 10
	10,754 65
Less Refund by Law Society for heating and lighting	890 00
	9,864 65
Total Administration of Justice	482,460 67

## EDUCATION.

## PUBLIC SCHOOLS (\$215,919.69).

## Treasurer County of:

Brant, 1,571.00;	Bruce, 4,113.00;	Carleton, 2,927.00;	Dufferin, 1,853.00;
Elgin, 2,895.00;	Essex, 2,866.00;	Frontenac, 2,339.00;	Grey, 5,719.00;
Haldimand, 1,780.00;	Halliburton, 728.00;	Halton, 1,406.00;	Hastings, 3,949.00;
Huron, 4,850.00;	Kent, 3,788.00;	Lambton, 3,957.00;	Lanark, 2,231.00;
Leeds and Grenville, 3,902.00;	Lennox & Addington, 2,022.00;	Lincoln, 1,487.00;	Middlesex, 4,904.00;
Norfolk, 2,444.00;	Northumberland & Durham, 4,693.00;	Oxford, 3,377.00;	Peel, 1,855.00;
Perth, 3,290.00;	Prince Edward, 1,517.00;	Prescott & Russell, 2,040.00;	Simcoe, 5,866.00;
Stormont, Dundas & Glengarry, 5,452.00;	Waterloo, 2,415.00;	Welland, 1,821.00;	Wellington, 3,573.00;
Wentworth, 2,696.00;	York, 4,927.00		116,966 00

## Treasurer City of:

Belleville, 921.00;	Brantford, 2,005.00;	Chatham, 920.00;	Guelph, 1,118.00;
Hamilton, 5,523.00;	Kingston, 1,754.00;	London, 4,211.00;	Niagara Falls, 784.00;
Ottawa, 3,497.00;	St. Catharines, 1,023.00;	St. Thomas, 1,267.00;	Stratford, 1,143.00;
Toronto, 22,803.00;	Woodstock, 1,061.00;	Windsor, 1,135.00	49,165 00

## Treasurer Town of:

Alexandria, 65.00;	Alliston, 152.00;	Almonte, 270.00;	Amherstburg, 130.00;
Arnprior, 275.00;	Aurora, 201.00;	Aylmer, 265.00;	Barrie, 626.00;
Berlin, 978.00;	Blenheim, 187.00;	Bothwell, 104.00;	Bowmanville, 339.00;
Bracebridge, 323.00;	Brampton, 345.00;	Brockville, 836.00;	Bruce Mines, 87.00;
Carleton Place, 503.00;	Cache Bay, 69.00;	Clinton, 277.00;	Cobourg, 362.00;
Collingwood, 850.00;	Cornwall, 321.00;	Copper Cliff, 261.00;	Dresden, 193.00;
Dundas, 324.00;	Dunnville, 269.00;	Durham, 208.00;	Deseronto, 429.00;
East Toronto, 211.00;	Essex, 177.00;	Forest, 191.00;	Fort William, 523.00;
Galt, 923.00;	Gananoque, 447.00;	Goderich, 429.00;	Gore Bay, 87.00;
Gravenhurst, 267.00;	Hespeler, 295.00;	Harriston, 219.00;	Hawkesbury, 32.00;
Huntsville, 267.00;	Ingersoll, 444.00;	Kincardine, 291.00;	Kingsville, 202.00;
Leamington, 318.00;	Lindsay, 650.00;	Listowel, 327.00;	Little Current, 121.00;
Mattawa, 34.00;	Massey, 30.50;	Meaford, 243.00;	Midland, 459.00;
Mitchell, 226.00;	Milton, 140.00;	Mount Forest, 251.00;	Napanee, 348.00;
New Liskeard, 121.00;	Newmarket, 259.00;	Niagara, 174.00;	North Bay, 282.00;
North Toronto, 244.00;	Oakville, 100.00;	Orangeville, 312.00;	Orillia, 485.00;
Oshawa, 466.00;	Owen Sound, 1,072.00;	Palmerston, 171.00;	Parkhill, 138.00;
Paris, 368.00;	Parry Sound, 340.00;	Preston, 238.00;	Pembroke, 325.00;
Penetanguishene, 338.00;	Perth, 309.00;	Peterboro, 1,138.00;	Petrolia, 475.00;
Picton, 380.00;	Port Arthur, 401.00;	Port Hope, 498.00;	Prescott, 249.00;
Rainy River, 136.00;	Rat Portage, 454.00;	Renfrew, 236.00;	Ridgetown, 274.00;
Sandwich, 88.00;	Sarnia, 855.00;	Sault Ste. Marie, 829.00;	Simcoe, 364.00;
Smith's Falls, 632.00;	Steelton, 151.50;	Stayner, 139.00;	St. Marys, 368.00;
Strathroy, 373.00;	Sudbury, 78.00;	Seaford, 210.00;	Sturgeon Falls, 105.00;
Thessalon, 132.00;	Thornbury, 95.00;	Thorold, 166.00;	Tilsonburg, 272.00;
Toronto Junction, 842.00;	Trenton, 371.00;	Uxbridge, 192.00;	Vankleek Hill, 127.00;
Walkerton, 252.00;	Walkerville, 193.00;	Wallaceburg, 309.00;	Waterloo, 363.00;
Welland, 202.00;	Whitby, 243.00;	Warton, 297.00;	Wingham, 275.00
			36,049 00

## Treasurer Village of:

Acton, 170.00;	Ailsa Craig, 85.00;	Alvinston, 97.00;	Arkona, 54.00;
Arthur, 77.00;	Athens, 107.00;	Ayr, 102.00;	Bath, 46.00;
Bayfield, 65.00;	Beamsville, 94.00;	Beaverton, 90.00;	Beeton, 81.00;
Belle River, 7.00;	Blyth, 105.00;	Bobcaygeon, 108.00;	Bolton, 78.00;
Bradford, 116.00;	Bridgeburg, 156.00;	Brighton, 158.00;	Brussels, 148.00;
Burks Falls, 95.00;	Burlington, 146.00;	Caledonia, 97.00;	Campbellford, 294.00;
Cannington, 152.00;	Cardinal, 154.00;	Casselman, 27.00;	Cayuga, 113.00;
Chesley, 212.00;	Chesterville, 108.00;	Chippewa, 64.00;	Clifford, 72.00;
Colborne, 120.00;	Creemore, 71.00;	Cobden, 86.00;	Delhi, 96.00;

## EDUCATION.—Continued.

## PUBLIC SCHOOLS.—Continued.

Treasurer, Village of—Continued.

Drayton, 96.00;	Dundalk, 97.00;	Dutton, 105.00;	Eganville, 71.00;
Elmira, 143.00;	Elora, 121.00;	Embro, 70.00;	Erin, 63.00;
Exeter, 230.00;	Fenelon Falls, 141.00;	Fergus, 169.00;	Fort Erie, 105.00;
Garden Island, 29.00;	Georgetown, 161.00;	Glencoe, 118.00;	Grand Valley, 98.00;
Grimbsy, 111.00;	Hagersville, 115.00;	Hastings, 55.00;	Hanover, 178.00;
Havelock, 120.00;	Hensall, 88.00;	Hintonburg, 172.00;	Holland Landing, 50.00;
Iroquois, 119.00;	Kemptville, 160.00;	Lakefield, 142.00;	Lanark, 105.00;
Lancaster, 65.00;	L'Original, 110.00;	Lucan, 98.00;	Lucknow, 121.00;
Madoc, 135.00;	Markdale, 115.00;	Markham, 119.00;	Marmora, 98.00;
Maxville, 91.00;	Merrickville, 116.00;	Merritt, 157.00;	Millbrook, 106.00;
Milverton, 85.00;	Morrisburg, 185.00;	Newboro, 54.00;	Newburgh, 68.00;
Newbury, 43.00;	Newcastle, 69.00;	New Hamburg, 153.00;	Norwich, 151.00;
Norwood, 105.00;	Oil Springs, 116.00;	Omeme, 75.00;	Ottawa E., 85.00;
Paisley, 121.00;	Point Edward, 128.00;	Portsmouth, 50.00;	Port Carling, 33.00;
Port Colborne, 151.00;	Port Dalhousie, 84.00;	Port Dover, 139.00;	Port Elgin, 162.00;
Port Perry, 171.00;	Port Rowan, 88.00;	Port Stanley, 66.00;	Richmond, 54.00;
Richmond Hill, 82.00;	Rockland, 18.00;	Shelbourne, 143.00;	Southampton, 204.00;
Springfield, 59.00;	Stirling, 99.00;	Stouffville, 159.00;	Streetsville, 60.00;
Sundridge, 48.00;	Sutton, 77.00;	Tara, 79.00;	Teeswater, 116.00;
Thamesville, 96.00;	Thedford, 73.00;	Tilbury, 64.00;	Tiverton, 65.00;
Tottenham, 62.00;	Tweed, 125.00;	Vienna, 40.00;	Wardsville, 38.00;
Waterdown, 71.00;	Waterford, 127.00;	Watford, 167.00;	Wellington, 83.00;
Weston, 120.00;	Winchester, 144.00;	Woodbridge, 79.00;	Woodville, 62.00;
Wyoming, 89.00;	Wroxeter, 64.00		13,563 00
Treasurer Pelee Island, 75.00;	Treasurer Public School Board Trustees, Fort Frances, 79.00		154 00
Riordon Paper Mills: Paper			6 49
Wm. Briggs: Printing pamphlets, "Religion in Schools"			10 00
W. H. Jenkins: Travelling expenses re Rural schools			6 20

## SEPARATE SCHOOLS (\$26,883.00).

Trustees R. C. S. S. Section:

6 Arthur, 31.00;	10 Arthur, 34.00;	4 Asphodel, 21.00;	15 Augusta, 11.00;
10 Adjala, 26.00;	2 Ashfield, 38.00;	3 Alfred, 18.00;	6 Alfred, 22.00;
7 Alfred, 33.00;	8 Alfred, 46.00;	9 Alfred, 25.00;	10 Alfred, 78.00;
11 Alfred, 18.00;	12 Alfred, 25.00;	13 Alfred, 30.00;	14 Alfred, 14.00;
15 Alfred, 24.00;	U 7 Alfred with 8 Plantagenet, 9.00;	4 Admaston, 17.00;	
2-5-8 Anderdon with 6-9 Sandwich W., 30.00;	3-4 Anderdon, 19.00;	4 Bromley, 15.00;	
6 Bromley, 25.00;	7 Bromley, 46.00;	2 U. Brant with 3 Greenock, 9.00;	
1 Brougham, 14.00;	1-(15) Brighton, 17.00;	2 N. Burgess, 21.00;	4 N. Burgess, 14.00;
6 N. Burgess, 10.00;	3 Biddulph, 11.00;	4 Biddulph, 33.00;	6 Biddulph, 22.00;
9 Biddulph with 1 McGillivray, 11.00;	3-4-10 Caledonia, 12.00;	10 Caledonia, 17.00;	
12 Caledonia, 33.00;	13 Caledonia, 15.00;	6 Caledonia with 7 Plantagenet S., 15.00;	
3 Cambridge, 25.00;	4 Cambridge, 19.00;	5 Cambridge, 32.00;	6 Cambridge, 20.00;
6-7 Cambridge, 43.00;	14 P. Cambridge, 18.00;	U. 1 Carrick with 1 Culross, 64.00;	
U 2 Carrick with 2 Culross, 12.00;	1 Carrick, 30.00;	2 Carrick, 19.00;	
4 Carrick, 29.00;	14 Carrick, 138.00;	1 Cornwall, 14.00;	(arrears '03) 19.00;
16 Cornwall, 65.00;	4 Crosby N., 67.00;	7 Crosby N., 4.00;	10 Cumberland, 5.00;
11 Cumberland, 18.00;	13 Cumberland, 16.00;	14 Cumberland, 32.00;	3 Clarence, 14.00;
5 Clarence, 85.00;	6 Clarence, 52.00;	8 Clarence, 39.00;	11 Clarence, 28.00;
12 Clarence, 19.00;	13 Clarence, 11.00;	14 Clarence, 23.00;	16 Clarence, 29.00;
17 Clarence, 21.00;	18 Clarence, 19.00;	19 Clarence, 12.00;	20 Clarence, 14.00;
21 Clarence, 28.00;	15 Charlottenburg, 44.00;	1 U Culross with 1 Carrick, 77.00;	
2 U Culross with 2 Carrick, 14.00;	9 Downie, 33.00;	3 Dover, 60.00;	
6 Dover, 32.00;	9 Dover, 39.00;	2 Edwardsburg, 5.00;	1 Ellice, 4.00;
6 Ellice, 29.00;	7 Ellice, 18.00;	2 Flamboro W., 41.00;	5 Finch, 56.00;
5 Glenelg, 55.00;	7 Glenelg, 67.00;	3 Greenock with 2 Brant, 66.00;	
4-5-12 Gloucester, 7.00;	1 Gloucester with 3 Osgoode, 9.00;	14 Gloucester, 30.00;	
15 Gloucester, 67.00;	17 Gloucester, 22.00;	20 Gloucester, 16.00;	22 Gloucester, 13.00;
25 Gloucester, 96.00;	26 Gloucester, 19.00;	3 Griffith, 13.00;	9 Harwich, 26.00;
2 Haldimand, 67.00;	14 Haldimand, 19.00;	4 Hagarty, 44.00;	12 Hagarty, 50.00;
1 Howe Island, 12.00;	2 Howe Island, 18.00;	3 Howe Island, 20.00;	3 Holland, 40.00;
3 Holland & Glenelg, 18.00;	2 Hullett, 19.00;	1 Hay, 41.00;	11 Hay, 19.00;



EDUCATION.—Continued.

SEPARATE SCHOOLS.—Continued.

Trustees R. C. S. S. Section—Continued.

2 Hawkesbury E., 58.00;	4 Hawkesbury E., 15.00;	6 Hawkesbury E., 14.00;
7 Hawkesbury E., 101.00;	10 Hawkesbury E., 54.00;	11 Hawkesbury E., 30.00;
12 Hawkesbury E., 14.00;	15 Hawkesbury E., 24.00;	16 Hawkesbury E., 11.00;
3 (1) Hibbert, 21.00;	2 Hibbert, Logan & McKillop, 50.00;	
3 Hibbert, Logan & McKillop, 3.00;	8 Kingston, 18.00;	14 Lancaster, 43.00;
1 Lochiel, 22.00;	12 "a" Lochiel, 34.00;	12 B Lochiel, 51.00;
2 Loughboro, 11.00;	10 Loughboro, 12.00;	2 W. Longueil, 21.00;
4 Longueil, 19.00;	1 Maidstone, 48.00;	2 Maidstone, 23.00;
4 Maidstone with 2 Rochester, 20.00;	8 Maidstone with 5 Sandwich S., 27.00;	
3 "a" Malden, 33.00;	3 "b" Malden, 21.00;	3 Mara, 60.00;
3 March, 43.00;	1 Marmora & Lake, 14.00;	3-4-5, Moore, 45.00;
4 Mornington, 26.00;	1 McKillop, 21.00;	U 3 McKillop, 6.00;
1 McGillivray with 9 Biddulph, 90.00;	7 Nepean, 30.00;	15 Nepean, 93.00;
1 Nichol, 15.00;	5 Normanby, 16.00;	10 Normanby, 46.00;
2 "15" Osgoode, 9.00;	3 Osgoode with 1 Gloucester, 11.00;	8 Peel, 40.00;
12 Peel, 52.00;	5 Percy, 10.00;	12 Percy with 12 Seymour, 3.00;
4 Plantagenet N., 16.00;	7 Plantagenet N., 23.00;	8 Plantagenet N., 59.00;
9 Plantagenet N., 33.00;	12 Plantagenet N., 9.00;	4 Plantagenet S., 51.00;
7 Plantagenet S., 39.00;	8 Plantagenet S., 24.00;	U 7 Plantagenet S., et al, 13.00;
U. 8 Plantagenet S., with 7 Alfred, 7.00;	6 Proton, 15.00;	11 Portland, 16.00;
4 Raleigh, 8.00;	5 Raleigh, 24.00;	6 Raleigh, 20.00;
2 Rochester & 4 Maidstone, 22.00;	3 Rochester, 69.00;	6 Rochester, 55.00;
7 Rochester, 47.00;	9-14 Rochester, 37.00;	10 Rochester with 11 Tilbury N., 10.00;
12 Roxboro, 84.00;	16 Roxboro, 31.00;	1 Russell with 12 Winchester, 6.00;
4 Russell, 18.00;	6 Russell, 101.00;	7 Russell, 21.00;
13 Russell, 16.00;	14 Russell, 18.00;	(arrears 1902), 20.00;
6 Stephen, 33.00;	1 Sandwich W., 38.00;	4 Sandwich W., 23.00;
6-9 Sandwich W., with 2-5-8 Anderdon, 26.00;		1 Sandwich E., 110.00;
2 Sandwich E., 19.00;	3 Sandwich E., 19.00;	4 Sandwich E., 89.00;
5 Sandwich S. with 8 Maidstone, 51.00;		7 Sandwich S., 26.00;
12 Seymour with 12 Percy, 3.00;	7 Sydenham, 8.00;	5 Sheffield, 28.00;
6 Sherwood, 61.00;	1 Stanley, 22.00;	2 Tiny, 94.00;
2 Tilbury N., 37.00;	6 Tilbury N., 29.00;	7 Tilbury N., 45.00;
11 Tilbury with 10 Rochester, 22.00;	1 Tilbury E., 9.00;	(arrears 1903), 9.00;
6 Toronto Gore, 13.00;	18 Tyendinaga, 13.00;	20 Tyendinaga, 20.00;
24 Tyendinaga, 20.00;	28 Tyendinaga, 13.00;	30 Tyendinaga, 17.00;
7 Vespra, 2.00;	13 Waterloo, 61.00;	1 Wawanosh, W., 19.00;
13 Westminster, 10.00;	5 Wellesley, 17.00;	9 and 10 Wellesley, 24.00;
11 Wellesley, 113.00;	12 Wellesley, 3.00;	10 Williams W., 50.00;
15½ Wilmott, 60.00;	8 Windham, 46.00;	10 Woolwich, 26.00;
1 Wolfe Island, 9.00;	2 Wolfe Island, 13.00;	4 Wolfe Island, 30.00;
7 Wolfe Island, 15.00;	4 Yonge and Escott rear, 11.00;	1 York, 33.00
		7,228 00

Treasurer R. C. S. S., City of:

Belleville, 286.00;	Brantford, 240.00;	Chatham, 199.00;	Guelph, 258.00;
Hamilton, 1,120.00;	Kingston, 459.00;	London, 654.00;	Niagara Falls, 112.00;
Ottawa, 3,975.00;	St. Catharines, 272.00;	St. Thomas, 185.00;	Stratford, 247.00;
Toronto, 3,762.00;	Windsor, 492.00;	Woodstock, 66.00.....	12,327 00

Treasurer R. C. S. S. Town of:

Alexandria, 185.00;	Almonte, 85.00;	Amherstburg, 134.00;	Arnprior, 174.00;
Barrie, 116.00;	Berlin, 29.00;	Brockville, 256.00;	Cobourg, 141.00;
Cornwall, 407.00;	Dundas, 91.00;	Fort William, 171.00;	Fort Francis, 15.00;
Galt, 62.00;	Goderich, 58.00;	Hawkesbury, 226.00;	Ingersoll, 57.00;
Lindsay, 210.00;	Mattawa, 137.00;	Newmarket, 32.00;	North Bay, 159.00;
Oakville, 23.00;	Orillia, 130.00;	Oshawa, 57.00;	Owen Sound, 70.00;
Parkhill, 29.00;	Paris, 52.00;	Pembroke, 289.00;	Perth, 143.00;
Preston, 54.00;	Peterboro, 479.00;	Picton, 38.00;	Port Arthur, 143.00;
Prescott, 102.00;	Rat Portage, 102.00;	Rainy River, 34.00;	Renfrew, 157.00;
Barnia, 117.00;	Sault Ste. Marie, 143.00;	Sandwich, 110.00;	Seaforth, 47.00;
Sudbury, 107.00;	Sturgeon Falls, 153.00;	St. Marys, 46.00;	Thorold, 83.00;
Trenton, 129.00;	Vankleek Hill, 152.00;	Whitby, 32.00;	Waterloo, 75.00;
Walkerton, 113.00;	Wallaceburg, 69.00		6,285 00

EDUCATION.—Continued.

SEPARATE SCHOOLS.—Continued.

Treasurer R. C. S. S., Village of:

Arthur, 65.00;	Belle River, 59.00;	Casselman, 86.00;	Elora, 23.00;
Eganville, 63.00;	Fergus, 10.00;	Hastings, 36.00;	Hintonburgh, 168.00;
L'Original, 36.00;	Merrittion, 41.00;	Ottawa E., 96.00;	Portsmouth, 24.00;
Port Dalhousie, 34.00;	Rockland, 156.00;	for 2 Clarence, 35.00;	Tweed, 30.00;
Tilbury, 66.00;	Weston, 15.00		

1,043 00

POOR SCHOOLS (\$14,548.01).

Trustees R. C. S. S. Section:

3 Alfred, 40.00;	9 Alfred, 40.00;	10 Alfred, 60.00;	4 Asphodel, 30.00;
4 Admaston, 40.00;	15 Augusta, 40.00;	15 Brighton, 40.00;	4 Bromley, 90.00;
6 Bromley, 70.00;	7 Bromley, 70.00;	4 Burgess N., 30.00;	6 Burgess N., 50.00;
1 Brougham, 70.00;	14 Cambridge, 40.00;	13 Caledonia, 35.00;	5 Clarence, 100.00;
19 Clarence, 40.00;	15 Charlottenburgh, 50.00;	1 Cornwall, 40.00;	5 Finch, 70.00;
17 Gloucester, 40.00;	3 Griffith, 70.00;	2 E. Hawkesbury, 40.00;	4 Hagarty, 40.00;
12 Hagarty, 70.00;	14 Haldimand, 40.00;	1 Howe Island, 50.00;	2 Howe Island, 50.00;
3 Howe Island, 50.00;	12 "a" Lochiel, 50.00;	2 Loughboro, 40.00;	10 Loughboro, 40.00;
1 Maidstone, 40.00;	3 March, 50.00;	1 Marmora and Lake, 50.00;	3 Matawahan, 70.00;
1 Osgoode, 50.00;	2 (15) Osgoode, 50.00;	4 N. Plantagenet, 40.00;	
5 Percy, 40.00;	12 Percy & Seymour, 40.00;	11 Portland, 70.00;	
1 Russell & 12 Winchester, 30.00;	6 Russell, 40.00;	7 Russell, 35.00;	
9-14 Rochester, 40.00;	10-17 Richmond, 70.00;	1 Sandwich E., 50.00;	
2 Sandwich E., 40.00;	4 Sandwich E., 40.00;	6 Sherwood, 65.00;	
1 Tilbury E., 40.00;	1 Tilbury N., 40.00;	2 Tiny, 40.00;	6 Toronto Gore, 40.00;
24 Tyendinaga, 40.00;	28 Tyendinaga, 40.00;	30 Tyendinaga, 50.00;	
7 Vespra, 50.00;	7 Wolfe Island, 50.00;	4 Yonge & Escott rear, 60.00	

2,935 00

Trustees Public School:

7 N. Crosby, 30.00;	8 N. Crosby, 30.00;	11 N. Crosby, 30.00;	9 S. Crosby, 50.00;
7 Tp. Darlington, 25.00;	2 Leeds & Lansdowne, 25.00;	7 Leeds & Lansdowne, 30.00;	
11 Leeds & Lansdowne, 25.00;	16 Leeds & Lansdowne, 30.00;	11 Luther W., 80.00;	
U 12 Russell, 17 Finch & 21 Winchester, 80.00			

435 00

Treasurer County of:

Bruce (23 schools) 538;	Carleton (15 schools), 300.00;	Dufferin (3 schools), 150.00;
Elgin (21 Southwold), 35.00;	Essex (2 Maidstone, 50.00;	Tp. Mersea, 75.00; arrears, 75.00);
Frontenac (32 schools), 930.00;	Grey (U. 16 Artemesia & Glene[g], 25.00;	
Haliburton (57 schools), 2,413.00;	Hastings (9 schools), 340.00;	Lambton (3 schools), 150.00;
Lanark, (23 schools), 550.00;	9 Dalhousie, 1903, 20.00;	Leeds & Grenville (4 schools), 150.00;
Lennox & Addington (19 schools), 580.00;	Ontario (6 schools), 180.00;	Peterboro (32 schools), 630.00;
Renfrew (42 schools), 1,400.00;	Stormont, Dundas & Glengarry (12 Lochiel special) 45.00;	
Victoria (26 schools), 815.00;	Wellington (2 schools), 90.00	

9,541 00

Treasurer Township of:

Bangor, McClure & Wicklow (6 schools), 115.00;	Carlow 5 schools), 135.00;
Dungannon (6 schools), 145.00;	Elzevir (7 schools), 102.00;
Faraday (6 schools), 121.00;	Herschell & Monteagle (9 schools), 235.00;
Huntingdon, 30.00;	Limerick, 30.00;
Matchedash, 25.00;	Mayo (4 schools), 110.00;
Madoc (2 schools), 60.00;	Marmora, 30.00;
Orillia (3 schools), 75.00;	Tudor & Cashell (6 schools), 117.00;
Wollaston (6 schools), 90.00	
Royal Trust Co. for Moose Fort School, James Bay	1,420 00
do grant in aid of school for English speaking children at Albany,	100 00
James Bay	100 00
Warwick Bros. & Rutter, printing, 1.85;	L. K. Cameron, paper, 15.16

17 01



EDUCATION.—Continued.

DISTRICT SCHOOLS (\$47,912.37).

Algoma, Manitoulin, etc.:

1 Assignack, 100.00;	2 Assignack, 100.00;	3 Assignack, 100.00;
4 Assignack, 100.00	5 Assignack, 100.00;	6 Assignack, 100.00;
1 Aird Island, 100.00;	1 Aberdeen, 100.00;	2 Aberdeen, 100.00;
3 Aberdeen, 85.00;	2 Allen, 100.00; Buckley, 50.00;	arrears 1903, 45.00;
2 Barrie Island, 100.00;	1 Bright & Gladstone, 100.00;	1 Bright & Bright, add'l 100.00;
1 Billings & Allen, 100.00;	2 Billings & Allen, 100.00;	1 Burpee, 100.00;
2 Burpee, 100.00;	1 Balfour, 100.00;	2 Balfour, 80.00;
3 Balfour, 80.00;	arrears 1903, 50.00;	1 Biscotasing, 100.00;
4 Bidwell, 100.00;	5 Bidwell, 100.00;	6 Bidwell, 100.00;
1 Campbell, 100.00;	2 Campbell, 100.00;	3 Campbell, 100.00;
4 Campbell, 100.00;	1 Carnarvon, 100.00;	2 Carnarvon, 100.00;
3 Carnarvon, 100.00;	6 Carnarvon, 100.00;	1 Cockburn Island, 100.00;
2 Cockburn Island, 100.00;	1 Carlyle, 50.00;	1 Chappleau, 100.00;
1 Creighton & Snider, 100.00;	1 Creighton, 100.00;	1 Cobden, 100.00;
1 Day & Gladstone, 75.00;	1 Day & Kirkwood, 100.00;	1 Dawson, 100.00;
1 Drury & Denison, 100.00;	2 Drury & Denison, 35.00;	3 Drury & Denison, 85.00;
4 Drury & Denison, 50.00;	1 Fenwick, 100.00;	2 Fenwick, 50.00;
1 Gordon, 100.00;	4 Gordon, 100.00;	5 Gordon, 100.00;
1 Hilton, 100.00;	6 Hilton, 100.00;	3 Harrow, 50.00;
3 Howland, 100.00;	7 Howland, 100.00;	8 Howland, 100.00;
1 Hallam & May, 100.00;	2 Hallam & May, 100.00;	1 Jocelyn, 50.00;
2 Jocelyn, 100.00;	3 Jocelyn, 100.00;	4 Jocelyn, 100.00;
2 Johnston, 100.00;	3 Johnston, 100.00;	4 Johnston, 100.00;
1 John's Island, 100.00;	Korah E., 100.00;	Korah W., 100.00;
4 Korah, 85.00;	1 Laird, 100.00;	3 Laird, 100.00;
1 Laird, 100.00;	3 Laird, 100.00;	2 Laird & Tarbutt, 50.00;
1 Lefroy, 100.00;	2 Lefroy, 100.00;	3 Lefroy, 100.00;
1 Lewis, 75.00;	arrears 1903, 90.00;	1 Merritt, 85.00;
1 Missanabie, 100.00;	1 Missanabie, 100.00;	1 McDonald, 100.00;
2 McDonald, 100.00;	3 McDonald, 100.00;	4 McDonald, 25.00;
1 Nairn & Lorne, 100.00;	1 Prince, 70.00;	2 Prince, 100.00;
2 Parkinson, 100.00;	1 Patton & Gladstone, 100.00;	1 Plummer, 80.00;
1 Plummer & Rose, 50.00;	2 Plummer & Rose, 50.00;	1 Robinson, 100.00;
2 Rayside, 100.00;	3 Rayside, 100.00;	1 Rutherford, 100.00;
4 Shequindah, 150.00;	1 Snider, 100.00;	1 Sandfield, 100.00;
2 Sandfield, 100.00;	3 Sandfield & Tehkummah, 100.00;	
4 Sandfield & Tehkummah, 100.00;	1 St. Joseph, 100.00;	2 St. Joseph, 100.00;
3 St. Joseph, 100.00;	4 St. Joseph, 100.00;	5 St. Joseph, 100.00;
1 Salter & May, 100.00;	2 Salter, May & Harrow, 50.00;	3 Salter, 50.00;
3 Salter, May & Harrow, 100.00;	5 Salter, 100.00;	1 Sprague, 100.00;
1 Shedden, 100.00;	Steelton, 50.00;	1 Tehkummah, 100.00;
4 Tehkummah, 100.00;	1 Tarentorus, 100.00;	2 Tarentorus, 100.00;
1 Tarbutt, 70.00;	2 Tarbutt, 100.00;	arrears 1903, 45.00;
2 Tarbutt & Laird, 50.00;	2 Thessalon, 100.00;	3 Thessalon, 100.00;
1 Thompson, 100.00;	2 Thompson, 100.00;	Tagona, 50.00;
1 Wells, 85.00;	3 Wells, 100.00;	1 White River, 100.00;

Trustees R. C. S. S. Section:

2 Balfour, 43.00;	1 Balfour & Rayside, 100.00;	6 Dilke, 90.00;
1 Sault Ste. Marie, 100.00;	1 Keewatin, 100.00	13,528 00

Muskoka District—Secretary Treasurer:

1 Brunel, 100.00;	2 Brunel, 50.00;	3 Brunel, 100.00;	4 Brunel, 75.00;
5 Brunel, 100.00;	6 Brunel, 100.00;	7 Brunel, 50.00;	3 Chaffey, 00.00;
U 1 Bakter with 8 Tay, 100.00;	1 Chaffey, 100.00;	3 Chaffey, 00.00;	
5 Chaffey, 100.00;	6 Chaffey, 100.00;	7 Chaffey, 100.00;	8 Chaffey, 100.00;
9 Chaffey, 100.00;	10 Chaffey, 100.00;	2 Franklin, 75.00;	3 Franklin, 100.00;
4 Franklin, 75.00;	5 Franklin, 75.00;	6 Franklin, 100.00;	1 Sinclair, 100.00;
1 Stisted, 100.00;	2 Stisted, 100.00;	3 Stisted, 100.00;	4 Stisted, 100.00;
5 Stisted, 100.00;	6 Stisted, 100.00;	7 Stisted, 100.00;	

Treasurer Township of Cardwell, 400.00;	Draper, 900.00;	Monk, 600.00;
Muskoka, 600.00;	Morrison, 500.00;	Medora, 900.00;
McLean & Ridout, 175.00;	Oakley, 5.00;	Ryde, 450.00;
Stephenson, 900.00;	Watt, 600.00;	Wood, 400.00;

## EDUCATION.—Continued.

## DISTRICT SCHOOLS.—Continued.

## Nipissing District:

1 Airy, 100.00; 1 Appleby, 100.00; 2 Badgerow, 100.00; 1 Blezard, 100.00;  
 2 Blezard, 100.00; 1 Bonfield, 100.00; 2 Bonfield, 100.00; 1 Caldwell, 100.00;  
 2 Caldwell, 100.00; 3 Caldwell, 100.00; 1 Calvin, 100.00; 2 Calvin, 100.00;  
 3 Calvin, 100.00; 4 Calvin, 100.00; 1 Cameron, 100.00; 1 Capreol, 100.00;  
 2 Capreol, 35.00; 1 Chisholm, 100.00; 2 Chisholm, 100.00; 3 Chisholm, 75.00;  
 4 Chisholm, 100.00; 5 Chisholm, 75.00; 1 Casimir, 35.00; 1 Dryden, 100.00;  
 1 Dunnett, 100.00; 2 Dunnett, 40.00; 3 Dunnett, 80.00; 4 Dunnett, 100.00;  
 1 Ferris, 100.00; 3 Ferris, 100.00; 4 Ferris, 100.00; 1 Field, 100.00;  
 2 Field, 100.00; 2 Gibbons, 100.00; arrears 1903, 15.00; 1 Hagar, 100.00;  
 1 Harris & Dymond, 45.00; 1 Hanmer, 100.00; 1 Hugel, 90.00;  
 2 Hugel, 100.00; 1 Jennings, 100.00; 1 Kirkpatrick, 100.00; 2 Kirkpatrick, 100.00;  
 3 Kirkpatrick, 100.00; 4 Kirkpatrick, 100.00; 5 Kirkpatrick, 100.00;  
 1 Lyell & Murchison, 100.00; 2 Lyell & Murchison, 100.00; 1 Martland, 100.00;  
 3 McKim, 100.00; 4 McKim, 100.00; 1 Mattawan, 100.00; 2 Mattawan, 65.00;  
 1 McCraney, 100.00; 2 Papineau, 85.00; 3 Springer, 50.00; 4 Springer, 55.00;  
 5 Springer, 50.00; 2 Widdifield, 100.00; 3 Widdifield, 50.00;  
 4 Widdifield, 100.00; 5 Widdifield, 85.00;

## Treasurer, R. C. S. S. Section :—

1 (a) Bonfield, 100.00; 1 (B) Bonfield, 100.00; 2 Bonfield, 100.00;  
 4 Bonfield, 100.00; 1 Chisholm & Boulter, 100.00; 2 Chisholm & Boulter, 94.00;  
 1 Dunnett & Rutter, 100.00; 2 Ferris, 100.00; arrears, 1903-3, 116.00;  
 3 Ferris, 100.00; 4 Ferris, 100.00; 1 Gibbon, 100.00; 1 Grant, 100.00;  
 1 McPherson & Kirkpatrick, 100.00; 1 Papineau, 50.00; 2 Papineau, 100.00;  
 2 (B) Papineau, 100.00; 1 Springer, 140.00; 2 Springer, 100.00; 3 Springer, 100.00;  
 5 Springer, 53.00; 2 Widdifield, 100.00

7.683 00

## Parry Sound District :—

1 Armour, 100.00; 3 Armour, 100.00; 4 Armour, 50.00; 5 Armour, 50.00;  
 6 Armour, 100.00; 2 Bethune, 75.00; 1 Carling, 100.00; 2 Carling, 100.00;  
 3 Carling, 100.00; 4 Carling, 60.00; 8 Carling, 80.00; U 1 Chapman, 100.00;  
 2 Chapman, 100.00; 3 Chapman, 100.00; 4 Chapman, 100.00; 5 Chapman, 100.00;  
 1 Christie, 100.00; 2 Christie, 100.00; 3 Christie, 100.00; U 5 Christie, 100.00;  
 1 Croft, 100.00; 2 Croft, 100.00; 3 Croft, 50.00; 1 Ferguson, 100.00;  
 U 1 Ferrie, 100.00; 2 Foley, 100.00; 3 Foley, 100.00; 4 Foley, 100.00;  
 1 Gurd, 100.00; 2 Gurd, 100.00; 3 Gurd, 75.00; 3 N. Himsworth, 100.00;  
 4 N. Himsworth, 100.00; 1 S. Himsworth, 100.00; 2 S. Himsworth, 100.00;  
 3 S. Himsworth, 100.00; 5 S. Himsworth, 100.00; 6 S. Himsworth, 100.00;  
 8 S. Himsworth, 100; 9 S. Himsworth, 100.00; 1 U. Hagerman, 100.00;  
 2 Hagerman, 100.00; 3 Hagerman, 100.00; U. 4 Hagerman, 100.00;  
 5 Hagerman, 100.00; 1 (1) Humphrey, 100.00; 1 (2) Humphrey, 100.00, arrears, 50.00;  
 4 Humphrey, 100.00; 6 Humphrey, 100.00; 1 Joly, 100.00; 1 Laurier, 75.00;  
 2 Laurier, 100.00; 3 Laurier, 100.00; 1 Lonnt, 100.00; 2 Lonnt, 100.00;  
 1 Machar, 100.00; 2 Machar, 100.00; 3 Machar, 100.00; 4 Machar, 100.00;  
 5 Machar, 100.00; 6 Machar, 100.00; 7 Machar, 100.00; 1 Mills, 100.00;  
 1 Monteith, 100.00; 2 Monteith, 100.00; 3 Monteith, 75.00; 4 Monteith, 50.00;  
 1 Mowat, 100.00; 1 McKenzie, 75.00; U. 2 McDougall, 100.00;  
 3 McDougall, 100.00; 4 McDougall, 100.00; 6 McDougall, 100.00;  
 1 McKellar, 100.00; 3 McKellar, 100.00; 4 McKellar, 100.00; 5 McKellar, 100.00;  
 6 McKellar, 100.00; 1 McMurrich, 100.00; 2 McMurrich, 100.00;  
 3 McMurrich, 100.00; 4 McMurrich, 100.00; 5 McMurrich, 100.00;  
 1 Nipissing, 100.00; 2 Nipissing, 100.00; 3 Nipissing, 100.00; 5 Nipissing, 100.00;  
 2 Perry, 100.00; 3 Perry, 70.00; 4 Perry, 100.00; 5 Perry, 100.00;  
 6 Perry, 100.00; U 7 Perry, 80.00; 8 Perry, 100.00; 9 Perry, 100.00;  
 1 Proudfoot, 100.00; U 1 Patterson, 100.00; 2 Prinsle, 100.00; 1 Ryerson, 100.00;  
 2 Ryerson, 100.00; 3 Ryerson, 100.00; 4 Ryerson, 100.00; 5 Ryerson, 100.00;  
 1 Strong, 100.00; 2 Strong, 100.00; 3 Strong, 100.00; 5 Strong, 100.00;  
 6 Strong, 100.00; U 1 Spence, 100.00; 2 Spence, 100.00; 1 Wallbridge, 100.00;  
 2 Wallbridge, 100.00; U 1 Wilson, 100.00

10,915 00

## Rainy River District :—

Secretary Treasurer :—1 Aubrey & Eton, 100.00; 1 Aylesworth, 170.00;  
 12 Attwood, 25.00; 1 Atikokan, 50.00; 1 Burriss, 90.00, arrears, 5.00;  
 1 Carpenter, 100.00, arrears, 1903, 25.00; 2 Carpenter, 50.00; 2 Crozier, 125.00;  
 3 Crozier, 90.00; 6 Dilke, 140.00; 1 Devlin, 105.00; 2 Devlin, 105.00;

EDUCATION.—Continued.

DISTRICT SCHOOLS.—Continued.

Rainy River District—

3 Devlin, 40.00;	2 Dobie, 105.00;	4 Dobie, 100.00, arrears 1903, 25.00;	
1 Eton & Aubrey, 1903, 100.00;	1 Keewatin, 100.00;	5 Lash, 100.00, arrears, 25.00;	
2 Lash & Carpenter, 65.00;	10 Lash & Aylesworth, 65.00;	7 Morley, 75.00;	
9 Morley, 80.00;	1 Shenstone, 100.00;	5 Shenstone, 100.00;	1 Southworth, 65.00;
1 Vanhorne, 125.00;	1 Wainwright, 160.00;	1 Woodyatt, 170.00;	1 Worthington, 110.00;
1 Zealand, 100.00.....			2,990 00

Thunder Bay District:—

Secretary Treasurer :—1 Dorion, 70.00;	1 Gold Rock, 121.47;
1 Gillies & O'Connor, 110.00;	2 Gillies & O'Connor, 140.00;
1 Ignace, 100.00;	3 McIntyre, 150.00;
1 Oliver, 100.00;	1 Nepigon, 121.43;
2 Oliver, 80.00;	3 Oliver, 80.00;
1 O'Connor, 60.00;	1 Paipoonge, 115.00;
2 Paipoonge, 100.00;	3 Paipoonge, 100.00;
1 Rossport, 115.00;	1 Savanne, 60.00;
1 Southworth, 50.00;	1 Schreiber, 118.47;
1 White River, balance 1903, 20.00;	
1 Zealand, 1903, 100.00 .....	1,991 37

Temiscaming District:—

1 Bucke, 100.00;	1 Brethour, 40.00;	1 Casey, 90.00;	2 Dymond, 100.00;
1 Hudson, 100.00;	1 Harley, 100.00;	1 Kearns, 100.00 .....	630 00

KINDERGARTEN SCHOOLS (\$3,018.64).

Treasurer, Public School, City of:—

Brantford, 117.65;	Chatham, 74.10;	Guelph, 27.95;	Hamilton, 308.10;
Kingston, 90.35;	London, 249.60;	Ottawa, 302.25;	Stratford, 70.20;
Toronto, 1,284.40 .....			2,524 60

Treasurer, Public School, Town of:—

Aylmer, 26.65;	Berlin, 126.75;	Cobourg, 24.05;	Galt, 25.35;
Hespeler, 20.15;	Ingersoll, 18.85;	Listowel, 8.45;	Owen Sound, 30.55;
Simcoe, 21.45;	Pictou, 19.50;	Preston, 27.30;	Peterboro, 40.30;
Toronto Junction, 54.60;	Tilsonburg, 20.15;	Waterloo, 16.90;	Welland, 8.45
Warwick Bros. & Rutter, printing, 1.50;	L. K. Cameron, paper, 1.29 .....		2 59
University Co., advertising, 1.00;	Varsity, advertising, 1.00 .....		2 00

NIGHT SCHOOLS (\$171.00).

Secretary Public School Board, City of:—

St. Catharines, 6.00;	Toronto, 156.00 .....	162 00
Advertising:—Queen's University Journal, 1.00;	Educational Publishing Co., 4.00 .....	
University Co., 2.00;	Queen's Quarterly, 2.00 .....	9 00

AGRICULTURE AND HORTICULTURE IN RURAL SCHOOLS (\$364.55).

Treasurer, County Carleton, grant re instruction.....	240 00	
do Public School Trustees, Village of Richmond, school garden .....	110 00	
Warwick Bros. & Rutter, printing, 12.75;	L. K. Cameron, paper, 1.40 .....	14 15
Riordon Paper Mills, paper .....	40	

CONTINUATION CLASSES (\$18,367.47).

Treasurer, County of:—

Brant, 115.00;	Bruce, 205.00;	Carleton, 295.00;	Dufferin, 25.00;
Essex, 250.00;	Elgin, 590.00;	Frontenac, 15.00;	Grey, 110.00;
Halton, 40.00;	Haldimand, 165.00;	Huron, 545.00;	Hastings, 115.00;
Kent, 1,045.00;	Leeds & Grenville, 155.00;	Lanark, 130.00;	Lambton, 150.00;
Lennox & Addington, 45.00;	Middlesex, 365.00;	Northumberland & Durham, 210.00;	
Norfolk, 70.00;	Ontario, 215.00;	Oxford, 355.00;	Prescott & Russell, 65.00;
Prince Edward, 135.00;	Peel, 55.00;	Perth, 215.00;	Renfrew, 85.00;
Simcoe, 905.00;	Stormont, Dundas & Glengarry, 430.00;	Victoria, 25.00;	
Welland, 115.00;	Wellington, 175.00;	Wentworth, 210.00;	York, 200.00.....
			7,825 00

## EDUCATION.—Continued.

## CONTINUATION CLASSES.—Continued.

## Board, Public School Trustees, Town of:—

Alliston, 200.00;	Amherstburg, 200.00;	Blenheim, 100.00;	Bothwell, 100.00;
Bruce Mines, 200.00;	Copper Cliff, 30.00;	Durham, 200.00;	Dresden, 100.00;
Fort Frances, 50.00;	Gore Bay, 400.00;	Huntsville, 200.00;	Little Current, 100.00;
Midland, 100.00;	Milton, 400.00;	Palmerston, 100.00;	Parry Sound, 400.00;
Stayner, 200.00;	Sudbury, 50.00;	Sturgeon Falls, 50.00;	Thessalon, 100.00;
Wallaceburg, 200.00;	Wingham, 200.00;	Walkerville, 100.00;	arrears, 100.00.....
3,680 00			

## Board, Public School Trustees, Village of:—

Acton, 100.00;	Ayr, 25.00;	Arkona, 15.00;	Alvinston, 200.00;
Beeton, 200.00;	Burks Falls, 400.00;	Beaverton, 50.00;	Bayfield, 15.00;
Bath, 100.00;	Bolton, 100.00;	Bobcaygeon, 100.00;	Bridgeburg, 50.00;
Brussels, 200.00;	Blyth, 100.00;	Creemore, 100.00;	Cardinal, 25.00;
Cannington, 25.00;	Chatsworth, 15.00;	Chesterville, 100.00;	Clifford, 50.00;
Chesley, 300.00;	Dundalk, 25.00;	Delhi, 50.00;	Drayton, 100.00;
Elmira, 25.00;	Exeter, 300.00;	Eganville, 100.00;	Embros, 25.00;
Erin, 100.00;	Fenelon Falls, 25.00;	Port Erie, 50.00;	Grand Valley, 100.00;
Hanover, 100.00;	Havelock, 50.00;	Hintonburgh, 100.00;	Hensall, 25.00;
Kingsville, 50.00;	Lakefield, 50.00;	Lanark, 100.00;	Lancaster, 15.00;
Lucknow, 50.00;	Millbrook, 100.00;	Markdale, 50.00;	Maxville, 25.00;
Merrickville, 100.00;	Milverton, 50.00;	Marmora, 15.00;	Newboro, 50.00;
Newbury, 15.00;	Norwich, 100.00;	New Hamburg, 25.00;	Oil Springs, 100.00;
Paisley, 200.00;	Port Colborne, 50.00;	Port Stanley, 15.00;	Rockland, 25.00;
Richmond, 15.00;	Shelbourne, 200.00;	Springfield, 100.00;	Stouffville, 15.00;
Teeswater, 100.00;	Tiverton, 50.00;	Thamesville, 100.00;	Thedford, 15.00;
Tweed, 50.00;	Tottenham, 200.00;	Tilbury, 50.00;	Woodbridge, 50.00;
Westport, 100.00;	Winchester, 100.00;	Woodville, 15.00;	Wroxeter, 25.00;
Wyoming, 25.00			
5,840 00			

## Board Public School Trustees:—

1 Chapman, 50.00;	1 Cobden, 100.00;	1 Humphrey, 30.00;	8 S. Himsforth, 50.00;
1 Hilton, 30.00;	2 Machar, 30.00;	8 Perry, 30.00;	3 Stephenson, 30.00;
2 Thessalon, 30.00			
380 00			

## Board R. C. S. S. Trustees, Town of:—

Anherstburg, 100.00;	Mattawa, 30.00;	Sudbury, 30.00	160 00
----------------------	-----------------	----------------	--------

## Board R. C. S. S. Trustees, Village of:—Eganville, 100.00; Rockland, 25.00

125 00

Board R. C. S. S. Section—6 Arthur, 15.00;	2 Ashfield, 25.00;	4 Biddulph, 25.00;	
4 N. Crosby, 50.00;	15 Gloucester, 25.00;	3 Mara, 5.00;	5 Raleigh, 25.00;
6 Raleigh, 25.00;	1 W. Wawanosh, 15.00		
			220 00
Warwick Bros. & Rutter, printing, 22.43;	L. K. Cameron, paper, 13.04		
			35 47
W. McMaster, postage stamps, 100.00;	Educational Pub. Co., advertising, 2.00;		
			102 00

## COUNTY MODEL SCHOOLS (\$10,299.81).

## Public School Board Trustees:—

Athens, 150.00;	Barrie, 150.00;	Beamsville, 150.00;	Bradford, 150.00;
Berlin, 150.00;	Bracebridge, 150.00;	Brampton, 150.00;	Caledonia, 150.00;
Chatham, 150.00;	Clinton, 150.00;	Cornwall, 150.00;	Durham, 150.00;
Elora, 150.00;	Forest, 150.00;	Gananoque, 150.00;	Goderich, 150.00;
Hamilton, 150.00;	Ingersoll, 150.00;	Kincardine, 150.00;	Kingston, 150.00;
Lindsay, 150.00;	London, 150.00;	Madoc, 150.00;	Meaford, 150.00;
Milton, 150.00;	Mitchell, 150.00;	Mt. Forest, 150.00;	Minden, 150.00;
Morrisburg, 150.00;	Napanee, 150.00;	Newmarket, 150.00;	Norwood, 150.00;
Orangeville, 150.00;	Owen Sound, 50.00;	Parry Sound, 150.00;	Perth, 150.00;
Picton, 150.00;	Port Hope, 150.00;	Port Perry, 150.00;	Prescott, 150.00;
Renfrew, 150.00;	Rat Portage, 150.00;	St. Thomas, 150.00;	Sarnia, 150.00;
Sault Ste. Marie, 150.00;	Simcoe, 150.00;	Stratford, 150.00;	Strathroy, 150.00;
Toronto, 150.00;	Toronto Junction, 150.00;	Vankleek Hill, 150.00;	Walkerton, 150.00;
Whitby, 150.00;	Windsor, 150.00;	Woodstock, 150.00;	Welland, 150.00
8,400 00			



## EDUCATION.—Continued.

## COUNTY MODEL SCHOOLS.—Continued.

## Special grants:—

Berlin, 150.00; Bracebridge, 150.00; Parry Sound, 150.00 .....	750 00
Rat Portage, 150.00; Sault Ste. Marie, 150.00 .....	150 00
French-English Model School, 6 Plantagenet N. ....	951 44
Books:—Wm. Briggs, 317.52; Morang & Co., 317.52; Copp, Clark Co., 316.40 .....	19 15
Warwick Bros. & Rutter, printing, 4.60; Canadian Express Co., charges, 14.55.....	15 22
Dominion Express Co., charges.....	
Advertising:—Queen's University Journal, 2.00; Varsity, 2.00;	
Educational Publishing Co., 6.00; Educational Monthly, 4.00 .....	14 00

## FRENCH-ENGLISH TRAINING SCHOOL (\$800.00).

Trustees, Public School, 6 Plantagenet N. ....	800
--	-----

## TEACHERS ASSOCIATIONS AND DISTRICT TRAINING SCHOOLS (\$2,664.45).

## Treasurer, Teachers' Association:—

Algoma E., 25.00; Algoma W., 25.00; Bruce E., 25.00; Bruce W., 25.00;	
Brant & Brantford, 25.00; Carleton, 25.00; Dundas, 25.00; Dufferin, 25.00;	
Durham, 25.00; Elgin, 25.00; Essex N., 25.00; Essex S., 25.00;	
Frontenac, 25.00; Glengarry, 25.00; Grey E., 25.00; Grey S., 25.00;	
Grey N., 25.00; Grenville, 25.00; Halton, 25.00; Huron E., 25.00;	
Huron W., 25.00; Haldimand, 25.00; Hastings N., 25.00; Hastings S., 25.00;	
Kent E., 25.00; Kent W. & Chatham, 25.00; Lanark, 25.00; Lambton W., 25.00;	
Lambton E., 25.00; Leeds E., 25.00; Leeds W., 25.00; Lennox & Addington, 25.00;	
Lincoln, 25.00; Middlesex E., 25.00; Middlesex W., 25.00; Muskoka, 25.00;	
Northumberland, 25.00; Norfolk, 25.00; Ontario N., 25.00; Ontario S., 25.00;	
Oxford, 25.00; Parry Sound W., 25.00; Peel, 25.00; Peterboro, 25.00;	
Perth, 25.00; Prescott & Russell, 25.00; (French Teachers Institute, 25.00;	
Prince Edward, 25.00; Renfrew, 25.00; Stormont, 25.00; Simcoe N., 25.00;	
Simcoe S. & W., 25.00; Simcoe E. & Muskoka, 25.00; Victoria E., 25.00;	
Victoria W., 25.00; Waterloo, 25.00; Wentworth, 25.00; Wellington N., 25.00;	
Wellington S., 25.00; Welland, 25.00; York N., 25.00; York S., 25.00;	
Manitoulin 1902, 25.00; Rainy River, 25.00; Thunder Bay, 25.00 .....	1,625 00

## Treasurer, Teachers' Association, City of:

Brockville, 25.00; Guelph, 25.00; Hamilton, 25.00; Kingston, 25.00 .....	
London, 25.00; (R. C. Teachers Ass'n.) 25.00; Ottawa, 25.00; Stratford, 25.00.....	
St. Catharines, 25.00; St. Thomas, 25.00; Toronto, 25.00; Windsor & Walkerville, 25.00	300 00

Treasurer, Ontario Educational Association, Grant.....	600 00
do Bi-Lingual School Teachers' Institute, Ottawa .....	25 00
Board R. C. S. S. London, grant in aid of Annual Convention of Sep. School Teachers	25 00
do Toronto, do do .....	50 00
C. W. Colby, travelling expenses re address at Ontario Teachers' Association .....	15 00
W. H. Jenkins, do attending Teachers' Institute, Co. Hastings..	13 95
H. F. Taylor, services as Phone boy, 2.50; Wm. McMaster, postage stamps, 25.00 .....	27 50
Advertising:—Educational Ptg. Co., 4.00; University Co. 2.00; Queen's Quarterly, 2.00	8 00

## INSPECTION OF PUBLIC, SEPARATE AND DISTRICT SCHOOLS (\$69,595.94).

J. J. Tilley: Twelve months, salary as Inspector of Model Schools .....	1,850 00
do do Travelling Expenses .....	650 40
J. F. Power do Inspector Separate Schools .....	1,700 00
do do Travelling Expenses .....	425 85
Wm. Prendergast do Inspector Separate Schools .....	1 00 00
do do Travelling Expenses .....	206 15
M. O'Brien do Inspector Separate Schools .....	1,700 00
do do Travelling Expenses .....	515 55
Telesphore Rôchon do Inspector Bi-Lingual Schools .....	1,700 00
do do Travelling Expenses .....	272 55
Rev. Geo. Grant do Inspector District Schools .....	1,500 00
do do Travelling Expenses .....	306 05



EDUCATION.—Continued.

INSPECTION OF PUBLIC, SEPARATE AND DISTRICT SCHCOLS.—Continued.

D. McCaig:	Twelve months' salary as Inspector District Schools	1,500 00
do	Travelling Expenses	267 85
L. A. Green	do Inspector District Schools	1,500 00
Jno Ritchie	do do	1,500 00
Albert H. Leake	do do Technical Schools	1,600 00
do	Travelling Expenses	510 63
J. B. McDougall	do Inspector District Schools	1,500 00
D. Chenay	do do Bi-Lingual Schools Essex & Kent	500 00
do	arrears salary do do	125 00
W. S. Clendenning:	Special allowance re Inspection, Indian Peninsula, Co. Bruce	25 00
Wm. MacIntosh	do do Remote Townships, Hastings N.	75 00
D. McCaig	do do Bruce Mines, etc.	75 00

Public School Inspectors:

W. Atkin, 713.33; J. H. Ball, 643.83; C. A. Barnes 694.58; A. Brown, 619.26;	
H. H. Burgess, 612.33; J. C. Brown, 646.33; F. Burrows, 705.00; W. Carlyle, 801.25;	
W. J. Chisholm, 680.00; H. F. Cook, 208.41; N. W. Campbell, 693.33;	
W. S. Clendenning, 690.00; D. Chenay, 209.66; D. Clapp, 612.00;	
Rev. W. H. G. Colles, 513.33; R. H. Cowley, 722.08; T. A. Craig, 591.41;	
J. J. Craig, 375.58; A. B. Davidson, 595.67; Isaac Day, 1,143.00; J. S. Deacon, 513.33;	
A. Embury, 565.74; D. Potheringham, 683.33; A. Grier, 363.00; N. Gordon, 674.67;	
W. W. Ireland, 492.08; W. Irwin, 716.25; Jno. Johnston, 606.67; Wm. Johnston, 572.67;	
H. D. Johnston, 610.83; R. Kinney, M.D., 516.00; J. H. Knight, 414.00;	
J. McBrien, 476.33; D. McDiarmid, 485.00;	
A. McNaughton, 578.33; Rev. Thos. McKee, 688.75; D. A. Maxwell, 655.00;	
Wm. Macintosh, 685.00; C. Moses, 578.33; J. C. Morgan, 706.67; F. L. Michell, 833.75;	
D. D. Moshier, 680.00; A. Odell, 708.33; R. Park, 561.33; Thos. Pearce, 858.50;	
S. Phillips, 1,310.00; G. D. Platt, 528.59; D. Robb, 685.42; R. G. Scott, 940.00;	
J. H. Smith, 606.67; F. W. Standing, 453.33; W. H. Stevens, 1,111.66;	
W. J. Summerby, 669.01; Wm. Spankie, 781.25; F. W. Sheppard, 270.00;	
P. J. Thompson, 640.67; W. E. Tilley, 715.00; J. E. Tom, 697.08; J. Waugh, 499.00;	
J. J. Wadsworth, 526.83	38,133 73

Treasurer Board Public School Trustees City of:

Belleville, 105.00; Brantford, 245.00; Brockville, 120.00; Chatham, 140.00;	
Guelph, 162.50; Hamilton, 825.00; Kingston, 260.00; London, 635.00;	
Niagara Falls, 60.00; Ottawa, 510.00; St. Catharines, 125.00; St. Thomas, 200.00;	
Stratford, 140.00; Toronto, 2,920.00; arrears 1903, 1,585.00; Windsor, 180.00;	
Woodstock, 150.00	8,362 50

Treasurer Board Public School Trustees, Town of:

North Toronto, 40.00; Peterboro, 185.00; Prescott, 35.00; St. Marys, 50.00;	
Smith's Falls, 95.00; Trenton, 90.00; Toronto Junction, 135.00;	
Walkerville, 35.00	665 00

Proposed changes in course of Study:

J. R. Stuart: Services as Secretary of Committee	27.00;
Travelling expenses: J. E. Burchell, 13.70; W. S. Ellis, 15.50; A. D. Griffin, 7.30;	
F. W. Merchant, 12.45; W. Macintosh, 14.75; W. J. Robertson, 9.55; D. Robb, 10.60;	
W. D. Spence, 10.35; J. R. Stuart, 10.85; A. Stevenson, 6.95; H. J. Strang, 8.50;	
E. Ward, 7.05; D. Young, 6.50	161 05
Travelling Expenses re Arrangement of District Inspectorates.	
Isaac Day, 5.95; Rev. Geo. Grant, 5.95; S. Phillips, 9.32; W. H. Stevens, 5.45	26 67
Warwick Bros. & Rutter, printing & binding, 221.41; Riordon Paper Mills, paper, 17.78	239 19
L. K. Cameron, paper, 34.58; stationery, 54.34; C. T. Adams, stationery, 2.50	91 42
Sault Express, stationery and printing, 9.00; W. McMaster, postage stamps, 112.00	121 00
Postmaster Sault Ste. Marie, postage stamps, 14.00; J. Ritchie, postage & stationery, 10.00	24 00
Dominion Express Co., charges, 3.05; D. W. Wright, cartage, 25	3 30
Advertising: University Co., 18.00; Queens University Jl., 17.00; Varsity, 11.00	
Educational Pub. Co., 12.00; Queens Quarterly, 5.00	63 00

## EDUCATION.—Continued.

## DEPARTMENTAL EXAMINATIONS (\$23,618.26).

W. H. Jenkins: Twelve months' salary as Registrar . . . . .	1,800 00
W. W. Jeffers do Clerk . . . . .	1,000 00
S. A. May do do . . . . .	800 00
F. N. Nudel do Secretary Board of Examiners . . . . .	500 00
M. D. King do Stenographer . . . . .	450 00
Bruce Leadbetter do Printer . . . . .	850 00

## Sundry persons services as Examiners: Junior and Senior Leaving Exams:

R. W. Anglin, 82.25;	C. Auld, 82.25;	H. O. E. Asman, 78.75;
R. W. Asselstine, 78.75;	W. J. Alexander, 91.62;	F. B. Allen, 62.70;
R. A. Barron, 82.25;	P. W. Brown, 81.38;	A. W. Burt, 84.00;
J. J. Bell, 91.00;	H. W. Bryan, 91.00;	W. N. Bell, 91.00;
Janet Barr, 78.75;	G. S. Bale, 86.63;	A. M. Burnham, 86.63;
E. Balmer, 73.50;	K. G. Ball, 78.75;	E. Bell, 83.56;
R. A. Bensley, 11.25;	E. F. Burton, 18.50;	A. Carruthers, 35.90;
J. S. Cameron, 81.38;	G. F. Colling, 167.13;	J. L. Cox, 81.38;
H. J. Clark, 73.50;	Norah Cleary, 78.75;	S. J. Courtice, 83.56;
Margaret Cook, 84.00;	Elsie Carter, 78.75;	J. O. Clothier, 86.19;
R. A. Croskery, 52.50;	A. Cosens, 85.31;	W. P. Cohoe, 84.00;
D. K. Clark, 80.94;	J. L. Cornwall, 78.75;	J. D. Christie, 70.00;
A. W. Dunkley, 57.75;	E. E. Deroche, 73.94;	W. P. Dandy, 65.63;
Jas. Duff, 86.63;	J. H. Dolan, 84.00;	P. C. Dobson, 91.00;
J. N. Denyes, 84.00;	J. Davidson, 83.56;	H. E. Downey, 78.75;
A. De Guerre, 77.88;	A. E. Day, 84.00;	Wm. Donaldson, 84.00;
A. T. De Lury, 72.37;	J. N. Dales, 74.38;	T. E. Elliott, 85.75;
J. Fletcher, 61.83;	W. A. Findlay, 84.00;	J. A. Freeman, 84.00;
J. W. Forbes, 81.38;	W. H. Fletcher, 73.50;	B. E. French, 78.75;
W. J. Fenton, 91.00;	W. K. Foucar, 81.38;	R. Gourlay, 83.56;
W. B. Forbes, 84.00;	R. G. Graham, 81.38;	D. M. Grant, 84.00;
D. W. Gunn, 81.38;	A. H. Gibbard, 78.75;	P. E. Graham, 52.50;
Jas. Gill, 73.50;	R. W. Hedley, 82.25;	G. H. Hogarth, 82.25;
D. A. Glassey, 67.38;	W. J. Hamilton, 73.50;	R. S. Hamilton, 70.88;
M. A. Harvey, 81.38;	M. M. Hawkins, 63.00;	E. L. Hill, 87.50;
E. Hempstridge, 78.75;	J. Houston, 70.00;	E. S. Hogarth, 79.63;
J. P. Hoag, 67.38;	L. E. Horning, 60.75;	R. S. Jenkins, 6.00;
T. J. Ivey, 73.50;	J. Jeffries, 79.63;	J. S. Jamieson, 78.75;
L. L. Jones, 86.19;	G. W. Keith, 82.25;	T. Kirkconnell, 81.38;
Wm. Kemp, 78.75;	R. H. Knox, 82.69;	Y. S. Kirkland, 84.00;
C. Lehman, 73.50;	J. G. Little, 78.75;	G. Lawler, 70.00;
J. S. Lane, 80.94;	A. McVicar, 84.00;	H. G. McPherson, 84.88;
N. McDougall, 73.50;	P. V. M. McNeilly, 73.50;	C. McKinnon, 78.75;
S. B. McCreedy, 85.75;	N. MacMurchy, 84.88;	A. W. Massey, 82.25;
M. A. Mackenzie, 52.32;	W. S. W. McLay, 108.79;	J. C. McLennan, 57.68;
R. N. Merritt, 81.38;	J. W. Marshall, 84.00;	A. E. Morrow, 91.00;
A. M. Morrison, 86.63;	J. E. Macdonald, 78.75;	A. J. Meiklejohn, 78.75;
H. S. G. Macdonald, 78.75;	J. S. Martin, 78.75;	J. R. Montizambert, 83.56;
G. Malcolm, 78.75;	S. E. Marty, 86.19;	I. J. Macdonald, 86.19;
M. C. Mills, 86.19;	A. E. Marty, 84.00;	I. T. Norris, 83.56;
W. W. Nichol, 83.56;	E. G. Powell, 83.56;	E. Pugslev, 73.50;
W. H. Piersol, 84.50;	S. F. Passmore, 85.75;	F. P. Riddell, 91.00;
M. O'Brien, 86.05;	W. Pakenham, 66.75;	J. E. Robertson, 47.22;
F. J. Reilly, 91.00;	T. H. Redditt, 81.38.	M. H. Rose, 78.75;
W. B. Race, 76.13;	G. D. Robertson, 83.56;	M. B. Reynor, 84.00;
H. S. Robertson, 78.75;	E. M. Sait, 84.00;	R. Strothers, 84.00;
F. J. Sawers, 91.00;	H. C. Simpson, 84.00;	R. S. Strath, 83.56;
E. T. Sexton, 83.56;	J. H. Sexton, 73.50;	W. Smeaton, 73.50;
L. C. Smith, 73.50;	Prof. G. O. Smith, 70.00;	J. E. A. Stanley, 77.00;
E. A. Tesky, 91.00;	Emma J. Taylor, 78.75;	W. F. Tambllyn, 86.19;
M. Trenaman, 84.00;	W. J. Twohey, 85.75;	J. Voaden, 73.50;
R. H. Walks, 70.00;	D. Whyte, 87.50;	N. J. Wellwood, 80.06;
F. T. White, 81.38;	W. J. Wright, 91.00;	J. E. Wetherell, 78.75;
A. Weir, 84.00;	A. Pride, 55.20;	P. Toews, 34.55

12,686 55

## EDUCATION.—Continued.

## DEPARTMENTAL EXAMINATIONS.—Continued.

## Sundry persons; Travelling Expenses as Examiners:

R. W. Anglin, 11.50;	Chas. Auld, 6.70;	R. W. Asselstine, 11.60;
H. O. E. Asman, 2.25;	W. J. Alexander, 4.20;	F. B. Allen, 2.70;
R. A. Bensley, 11.95;	P. W. Brown, 9.05;	A. W. Burt, 3.25;
R. A. Barron, 4.90;	H. W. Bryan, 12.25;	W. N. Bell, 3.85;
J. J. Bell, 8.70;	G. S. Bale, .60;	A. N. Burnham, 7.50;
Janet Barr, 11.25;	K. G. Ball, 3.50;	G. F. Colling, 12.45;
J. S. Cameron, 5.35;	Norah Cleary, 11.00;	S. J. Courtice, 7.60;
H. J. Clark, 6.75;	Elsie Carter, 5.75;	J. O. Clothier, 17.50;
Margaret Cook, 6.60;	A. Cosens, 1.10;	R. A. Croskery, 7.50;
J. L. Cornwall, 5.85;	J. D. Christie, 5.60;	D. K. Clark, 4.35;
E. E. Deroche, 2.20;	A. W. Dunkley, 3.00;	J. H. Dolan, 7.85;
P. C. Dobson, 5.10;	Jas. Duff, 9.20;	J. Davison, 2.50;
H. E. Downey, 5.75;	J. N. Denyes, 1.95;	A. E. Day, 6.25;
Wm. Donaldson, 8.20;	A. De Guerre, 2.95;	J. N. Dales, 9.70;
T. E. Elliott, 8.00;	J. W. Forbes, 12.10;	J. A. Freeman, 3.20;
W. J. Fenton, 1.10;	W. H. Fletcher, .15;	B. E. French, 3.85;
W. B. Forbes, 1.70;	W. K. Foucar, 2.50;	D. W. Gunn, 2.40;
R. G. Graham, 10.45;	D. M. Grant, 8.50;	Jas. Gill, 2.00;
A. H. Gibbard, 2.70;	P. E. Graham, 4.35;	D. A. Glassey, 3.00;
R. W. Hedley, 3.90;	G. H. Hogarth, 2.20;	M. A. Harvey, 6.60;
W. J. Hamilton, 7.85;	R. S. Hamilton, 3.55;	E. Hemstridge, 10.50;
M. M. Hawkins, 6.10;	E. L. Hill, 2.50;	J. P. Hoag, 3.25;
J. Houston, 6.20;	E. S. Hogarth, 2.00;	T. J. Ivey, 9.00;
J. Jeffries, 4.35;	J. S. Jamieson, 15.35;	L. L. Jones, 4.70;
G. W. Keith, 5.15;	T. Kirkeconnell, 4.00;	Wm. Kemp, 7.35;
R. H. Knox, 11.80;	J. G. Little, 8.55;	J. S. Lane, 9.35;
A. McVicar, 6.20;	H. G. McPherson, 12.70;	N. McDougall, 7.00
P. V. M. McNeilly, 3.00;	C. McKinnon, 6.20;	S. B. McCready, 6.00;
N. MacMurchy, 3.20;	A. W. Massey, 13.60;	R. N. Merritt, 7.05;
J. W. Marshall, 11.50;	A. E. Morrow, 12.90;	A. M. Morrison, 4.70;
A. J. Meiklejohn, 2.25;	J. S. Martin, 4.15;	J. R. Montizambert, 13.10;
G. Malcolm, 5.75;	S. E. Marty, 5.25;	M. C. Mills, 3.75;
A. E. Marty, 13.60;	I. T. Norris, 13.10;	W. W. Nicoll, 5.00;
M. O'Brien, 20.55;	E. G. Powell, 4.00;	E. Pugsley, 5.45;
S. F. Passmore, 3.50;	F. P. Riddell, 7.50;	F. J. Reilly, 9.50;
T. H. Redditt, 3.80;	M. H. Rose, 13.50;	W. B. Race, 23.75;
G. D. Robertson, 5.25;	M. B. Reynor, 7.85;	H. S. Robertson 5.25;
R. Stothers, 13.60;	F. J. Sawers, 4.00;	E. T. Seaton, 3.00;
J. H. Sexton, 5.40;	W. Smeaton, 4.35;	L. C. Smith, 1.95;
E. A. Tesky, 11.50;	Emma J. Taylor, 6.50;	W. F. Tamblyn, 5.70;
Mabel Trenaman, 5.25;	W. J. Twwoey, 8.85;	F. Voaden, 4.85;
R. H. Walks, 2.20;	D. Whyte, 6.50;	N. J. Wellwood, 1.30;
E. T. White, 13.55;	W. J. Wright, 3.00;	J. E. Wetherell, 6.70
A. Weir, 3.85;	A. Carruthers, 7.90;	J. Fletcher, 17.25;
L. E. Horning, 6.45;	W. S. W. McLay, 9.25;	W. Pakenham, 13.75;
J. C. Robertson, 15.25;	A. Pride, 21.18;	L. E. A. Stanley, 13.30;

964 33

## District Certificate Examinations:—

Sundry persons services:—D. Chenay, 20.00;	A. H. Fairchild, 41.13;
W. A. Graham, 40.69;	T. N. Lewis, 40.25;
R. W. Murray, 36.75;	Wm. Macintosh, 40.00;
S. Phillips, 30.00;	J. B. Robinson, 42.00;
D. Robb, 15.00;	W. F. Sparks, 42.00;
H. J. Strang, 40.00	W. C. Shier, 49.88;
Travelling expenses:—A. H. Fairchild, 20.75;	W. A. Graham, 16.70;
T. N. Lewis, 17.35;	E. McManus, 7.25;
J. H. Putman, 17.10;	J. B. Robinson, 3.00;
W. C. Shier, 6.50;	H. J. Strang, 20.00

689 43

## District Entrance Examinations:—

Sundry persons services:—M. E. Breen, 4.67;	I. D. Bruels, 7.50;
W. M. Bradley, 18.50;	A. M. Currie, 24.05;
Geo. Grant, 35.90;	C. C. Grant, 23.55;
L. K. Hannohoc, 9.00;	E. Jones, 20.15;
J. M. McKinley, 24.16;	J. B. McDougall, 37.03;
	P. F. McNaughton, 21.75;
	D. Chenay, 35.60;
	J. Hempbll, 1.75;
	J. G. Lowe, 7.66;

## EDUCATION.—Continued.

## DEPARTMENTAL EXAMINATIONS.—Continued.

## District Entrance Examinations:—

W. Macintosh, 6.00;	S. Phillips, 9.00;	D. Robb, 9.00;	
W. W. Rutherford, 9.00;	H. J. Strang, 9.00;	A. W. Smith, 12.33;	
Travelling expenses:—W. Mackintosh, 11.95;		S. Phillips, 9.10;	
D. Robb, 8.60;	W. W. Rutherford, 9.10;	H. J. Strang, 10.00;	374 35

## Scholarship Examinations:—

Sundry persons services:—W. J. Alexander, 61.25;	F. B. Allan, 24.50;	
B. A. Bensley, 17.06;	E. F. Burton, 35.44;	A. Carruthers, 63.00;
A. T. De Lury, 65.63;	J. Fletcher, 40.25;	L. E. Horning, 59.06;
R. S. Jenkins, 71.75;	M. A. Mackenzie, 43.75;	W. S. W. McLay, 53.38;
M. O'Brien, 31.50;	W. Packenham, 47.25;	J. C. Robertson, 26.25;
P. Twohey, 18.38.....		
Travelling expenses:—W. J. Alexander, 3.45; L. E. Horning, 5.45; J. C. Robertson, 13.50;		680 85

## Ontario Normal College Examinations:—

G. W. Ballard, 32.00;	W. H. Ballard, 36.00;	I. J. Birchard, 20.00;
J. W. Carter, 34.40;	W. Hardie, 25.00;	A. E. Jewett, 71.20;
R. A. Little, 43.40;	C. A. Mayberry, 51.40;	A. Mowat, 56.40;
S. Martin, 46.40;	T. Murray, 5.00;	H. S. McKellar, 26.50;
H. G. Park, 56.40;	S. J. Radcliffe, 46.40;	G. F. Rogers, 31.80;
J. H. Smith, 32.00;	W. J. Sykes, 27.75;	O. J. Stevenson, 51.40;
Travelling expenses:—W. H. Ballard, 2.49;		J. W. Carter, 3.20;
W. Hardie, 15.70;	A. E. Jewett, 11.45;	R. A. Little, 7.10;
C. A. Mayberry, 7.35;	A. Mowat, 29.95;	S. Martin, 10.10;
H. S. McKellar, 12.65;	H. G. Park, 7.80;	S. J. Radcliffe, 7.20;
G. F. Rogers, 9.25;	W. J. Sykes, 18.10;	O. J. Stevenson, 10.35;
		846 14

## Normal School, Toronto, Examinations:—

Sundry persons services:—H. H. Burgess, 15.00;	J. J. Craig, 15.00
Isaac Day, 15.00;	D. Robb, 15.00;
Travelling expenses:—H. H. Burgess, 12.60;	J. J. Craig, 8.20;
Isaac Day, 7.35;	D. Robb, 10.75;
	J. R. Stewart, 10.15;
	124 05

## Normal School, Ottawa, Examinations:—

Sundry persons services:—A. Brown, 15.00;	J. Connally, 20.00;.
Sundry persons expenses:—A. Brown, 8.10;	J. Connally, 10.70; D. Walker, 16.60;
D. Walker, 20.00 .....	
	90 40

## Normal School London, Examinations:

Sundry persons services:—W. Atkin, 15.00;	D. Chenay, 15.00;
D. D. Moshier, 15.00;	P. J. Thompson, 15.00;
Sundry persons expenses:—W. Atkin, 4.00;	D. Chenay, 8.95;
D. D. Moshier, 5.40; .....	
	78 35

## Commercial Specialist Examinations:

Sundry persons, services: G. L. Johnston, 47.20; J. H. Packham, 45.40 .....	
do expenses: S. K. Davidson, 8.20; G. L. Johnston, .45 .....	101 25

## Kindergarten Examinations:

Sundry persons, services: Eliza Bolton, 31.20; Louise Currie, 46.70 .....	
A. C. Casselman, 10.00; S. A. Morgan, 46.70; Agnes Mackenzie, 31.20 .....	
Eliza Bolton: Travelling expenses, 27.10 .....	192 90

## Model Schools Examinations, Bracebridge:

Services: Isaac Day, 16.00; D. J. Ferguson, 8.00; W. H. Stevens, 40.00 .....	
W. H. Stevens: Travelling expenses, 8.60; The Thomas Co.: Stationery, 5.27 .....	77 87

## Model School Examinations, Rat Portage:

J. Ritchie: Services, 24.00; Travelling expenses, 14.00 .....	38 00
---	-------

## Model School Examinations, Parry Sound:

Services: A. M. Currie, 20.00; Rev. Geo. Grant, 40.00; S. Phillips, 14.00 .....	
Rev. Geo. Grant: Express charges, 1.18 .....	75 18



## EDUCATION.—Continued.

## DEPARTMENTAL EXAMINATIONS.—Continued.

County Model Schools:		
Services: A. McIntosh, 20.00; A. McMillan, 30.00; W. Scott, 20.00	.....	70 00
High School Entrance Examinations:		
Services as Member of Board: T. A. Craig, 25.00; J. D. Dickson, 25.00	.....	
I. M. Levan, 25.00	.....	
Travelling expenses: T. A. Craig, 17.80; J. D. Dickson, 7.10; I. M. Levan, 7.63	..	107 53
Revising Committee:		
Services: A. Carruthers, 46.00; W. S. W. McLay, 44.00; M. O'Brien, 44.00	.....	
Expenses: A. Carruthers, 16.15; W. S. W. McLay, 23.00; M. O'Brien, 13.10	.....	186 25
Biological Examinations:		
B. A. Bensley: Collecting and preserving specimens, etc	.....	85 55
Services, Revision of papers <i>re</i> suspected irregularities:		
J. C. Robertson, 10.00; J. Fletcher, 10.00; A. Carruthers, 10.00	.....	30 00
Board of Examiners: Services as Member:		
W. J. Alexander, 60.00; F. B. Allen, 60.00; B. A. Bensley, 60.00	.....	
A. Carruthers, 60.00; A. T. DeLury, 60.00; J. Fletcher, 60.00	.....	
L. E. Harning, 60.00; R. S. Jenkins, M. McKenzie, 60.00	.....	
J. C. McLennan, 60.00; W. S. McLay, 60.00; M. O'Brien, 60.00	.....	
W. Packenham, 60.00; J. C. Robertson, 60.00; P. Toews, 60.00	.....	900 00
Travelling Expenses <i>re</i> Meeting Board of Examiners:		
W. Tytler, 3.25; W. H. Ballard, 3.00; J. Marshall, 13.50	.....	19 75
Revising Committee Board of Examiners:		
Services: A. Carruthers, 3.00; W. S. W. McLay, 3.00; M. O'Brien, 3.00	.....	
Travelling expenses: W. S. W. McLay, 6.00; M. O'Brien, 6.35	.....	21 35
Educational Council: Travelling expenses:		
R. H. Cowley, 149.00; A. P. Knight, 134.00; D. Young, 37.10; F. C. Colbeck, 7.70	..	327 80
Clerical Services:—		
E. L. Alkney, 49.00; C. W. Bishop, 207.00; F. W. Broadfoot, 40.00;		
H. C. Cook, 64.00; S. R. Dalrymple, 35.00; D. R. Gray, 46.33;		
L. Gilchrist, 193.00; C. D. Henderson, 79.00; R. E. Hore, 79.17;		
F. Hamlin, 34.00; A. R. Lord, 34.00; R. McIntyre, 29.00;		
S. G. Mills, 39.00; S. P. A. Phillips, 210.00; G. A. Robertson, 118.50;		
M. Rankin, 40.00; Jos. Reid, 126.00; Kathleen Rice, 54.00;		
W. L. Spring, 106.00; T. B. Stevenson, 35.00; T. Speirs, 68.00		
S. F. Fuller, 36.00	.....	
Travelling expenses:—		
E. L. Alkney, 2.40; C. W. Bishop, 6.80; F. W. Broadfoot, 2.50;		
H. C. Cook, 12.60; S. R. Dalrymple, 4.00; L. Gilchrist, 7.10;		
C. D. Henderson, 5.50; R. E. Hore, 2.90; F. Hamlin, 3.35;		
A. R. Lord, 5.40; G. G. Mills, 4.00; S. P. A. Phillips, 2.30;		
G. A. Robertson, 8.70; M. Rankin, 2.00; Jos. Reid, 3.30;		
Kathleen Rice, 6.70; W. L. Spring, 7.20; T. B. Stevenson, 6.00;		
T. Spiers, 6.10;	.....	1,820 85
Services as Ass't. Printer:—C. J. Atkinson, 171.00; L. F. Leadbetter, 108.00; R. Hawthorne, 3.00;	.....	282 00
Services as Phone Boy:—H. F. Taylor, 30.00; W. Lemon, Jr., 6.00	.....	36 00
G. Thompson, messenger services, .50; T. Williamson, services as porter, 15.00	....	15 50
R. Gilpin, services as porter	.....	15 00
Printer's Supplies:—		
Beardmore Belting Co., 1.66; Toronto Type Foundry Co., 31.07;		
Fletcher M'g Co., 2.90; Westman & Baker, 1.90; T. Eaton Co., .20;		
Lyman Bros. Co., 3.00; W. A. Brock, 9.00; Miller & Richard, 3.50;		
Queen City Oil Co., .85	.....	54 08



## EDUCATION.—Continued.

## DEPARTMENTAL EXAMINATIONS.—Continued.

United Typewriter Co., typewriter, 85.00; Newsome Co., typewriter supplies, .75.....	85 75
Remington Typewriter Co., supplies, 2.60; Can. Typewriter Co., supplies, 4.25.....	6 85
Parsons Irons Co. rubber stamps, etc., 5.10; Grand & Toy., seals, .40 .....	5 50
Brown Bros., sealing wax, 160.00; Wm. Briggs, books, 1.35; .....	161 35
Vannevar & Co., books, 1.95; R. Simpson Co., blank books, .80.....	2 75
J. & J. L. O'Malley, rent of tables, 4.80; Knickerbocker Ice Co., ice, 5.60 .....	10 40
Toronto Electric Light Co., power for press, 13.62; Dom. Express Co., charges, 18.21..	31 83
Can. Express Co., charges, 27.49; G. T. Railway, freight charges, .66.....	28 15
Toronto Railway Co., car tickets, 21.00; W. W. Jeffers, car tickets, 2.50 .....	23 50
Cartage:—W. Stephens, .25; D. W. Wright, .75; J. Cobb, .25; Wm. Dunn, .25; G. Thompson, .50; C. M. Richardson, 3.95.....	5 95
Warwick Bros. & Rutter, printing and binding, 548.03; Riordon Paper Mills, paper, 9.32.....	557 35
Engravings:—National Electro Co., 1.00; Rolph, Smith Co., .63.....	1 63
L. K. Cameron, stationery, 794.90; paper, 177.04; W. McMaster, postage, 300.00....	1,271 94
Advertising:—Educational Pub. Co., 13.00; University Co., 16.00; Queen's Quarterly, 5.00.....	34 00

## NORMAL AND MODEL SCHOOLS, TORONTO.

## SALARIES (\$25,752.64.)

Wm. Scott, Twelve months' salary as Principal .....	2,500 00
W. H. Elliott, do Vice-Principal .....	2,000 00
A. C. Casselman, do Drawing Master .....	1,000 00
Eugene Masson, do French do .....	300 00
A. T. Cringan, do Music do .....	1,000 00
James H. Wilkinson, do Instructor Manual Training .....	1,100 00
Meta M. D. Macbeth, Four do Pianist .....	50 00
D. Borland, Twelve do Drill and Gymnastic Master .....	200 00
Emma Macbeth, do Instructor in Domestic Science .....	500 00
Angus McIntosh, do Head Master Boys' Model School .....	1,650 00
R. W. Murray, do First Assistant do do .....	1,200 00
T. M. Porter, do Second do do do .....	1,200 00
M. A. Sorsoliel, do Third do do do .....	1,000 00
Jean Wood, Three do Fourth do do do .....	211 00
F. M. Taylor, Nine do do do do .....	613 00
M. Meehan, Twelve do Head Mistress Girls' Model School .....	1,000 00
May K. Caulfield, do First Assistant do do .....	850 00
Jean Wood, Five do Second do do do .....	355 00
A. E. G. Wilson, Twelve do do do do do .....	850 00
F. M. Taylor, Three do Third do do do .....	187 00
M. H. Merritt, Four do do do do do .....	216 64
A. F. Laven, Twelve do Fourth do do do .....	700 00
A. F. Laven, arrears for 1903 .....	25 00
Jean Somers, Twelve months' salary as Instructor Callisthenics .....	500 00
N. A. Ewing, do do Household Science .....	600 00
Mary MacIntyre, do Director of Kindergarten .....	1,000 00
Ellen Cody, do Assistant Director of Kindergarten .....	600 00
Geo. Vair, do Head Gardener .....	600 00
J. Boasi, do Assistant do .....	450 00
P. Gafney, do First Engineer .....	750 00
Thos. Mannell, do Second do .....	500 00
Jno. Moore, do Laborer .....	450 00
E. Gilpin, do Janitor Normal School .....	510 00
Thos. Williamson, do do Boys' Model School .....	450 00
Bella Simpson, do Janitress Girls' do do .....	360 00
E. Knox, Eleven do Janitress Normal School .....	275 00

## EDUCATION.—Continued.

## NORMAL AND MODEL SCHOOLS, TORONTO.—Continued.

## EXPENSES (\$3,018.50).

Warwick Bros. & Rutter, printing and binding, 92.91; Rolph, Smith & Co., stamping, 4.38	97 29
L. K. Cameron, paper, 43.26; stationery, 182.08; Riordon Paper Mills, paper, 44	225 78
C. Tarling & Co., paper, 10.00; Brown Bros., paper and stationery, 8.90	18 90
Hart & Riddell, embossing, 3.75; Mm. McMaster, postage stamps, 50.00	53 75
Wm. Briggs, books, 101.36; Wm. Tyrrell & Co., books, 1.49	102 84
W J Gage & Co., books, 263.02; W. H. Evans, blank book, 20	263 22
T. Eaton Co., note books, 10.74; Copp, Clark & Co., school supplies, blank books, etc., 254.43	265 17
Central Electric School Supply Co., supplies, 7.60; J. Curwin & Sons, musical compositions, 4.12	11 72
Gallraith Photo Co., photo supplies, 3.90; Wm. Tyrrell & Co., art pictures, 18.19	22 09
Mackenzie & Co., framing pictures, etc., 118.75; Map & School Supply Co., apparatus, 89.80	208 55
Consolidated Electric Co., apparatus, 1.00; Chandler & Massey, microscope, 163.35	164 35
C. Potter, microscopes, 240.00; W. Lloyd Wood, chemicals, 6.50	246 50
Steinberger Hendry Co., School supplies, 120.89; A. McIntosh, ribbon for diplomas, etc., 4.15	125 04
E. K. Sproule, 100 copies "Sons of the Empire," 75.00; Mason & Risch, rent of organ, 16.00	91 00
J. A. Simmers, holly wreaths for Christmas decoration	3 00
Sundry persons services as Substitute Teachers:—	
C. Ross, 4.00; Edith J. Brown, 5.00; Ellen Henderson, 2.00; E. J. Cameron, 30.00	41 00
H. F. Taylor, services as phone boy, 30.00; F. Morse, services as janitor, 12.75	42 75
Meta M. D. Macbeth, services as pianist at 150.00 per annum	91 00
Ethel E. Dever, services as pianist <i>re</i> closing and At Home, 8.00; Mabel A. Mills, services as pianist, 3.00	11 00
Mrs. E. Scott Raffe, lecturing on reading and elocution, 50.00; F. Yeigh, services and expenses lecturing, 25.50	75 50
Dr. Wm. Oldright, lectures on Hygiene, 200.00; Lt. Col. Galloway, expenses <i>re</i> target practice, 11.06	211 06
Alliance Insurance Co., premium on arms, etc., loaned by Dominion Government to Cadet Corps	6 40
A. McIntosh, grant to games, 45.00; expenses funeral of Miss Wood (Teacher), 11.00	56 00
Toronto Railway Co., car tickets, 4.00; Doane Bros., cab hire, 2.50	6 50
D. W. Wright, cartage	2 40
Advertising:—University Co., 4.00; Queen's Quarterly, 2.00; Globe Pub. Co., 2.70; Educational Pub. Co., 2.00; Mail Pub. Co., 2.70; Toronto World, 2.25	15 65
Manual Training:—	
Wm. Briggs, books, 32.00; Vokes Hardware Co., hardware, .70; Aikenhead Hardware Co., hardware, 34.58; J. B. Smith & Sons, lumber, 182.70; Alf. Coyell, carpentering, 10.80; F. Lash, altering benches, 5.25; T. Eaton Co., needles, 1.00; E. Harris Co., modelling clay, 6.00; Consolidated Electric Co., supplies, 9.47; Steinberger Hendry Co., supplies, 2.97; A. R. Williams Machinery Co., shafting, etc., 24.65; E. Carroll, grinding tools, .50; G. Rathbone, blackboard, 9.95; G. McFarlane, ladder, 4.50; G. Pearsall, varnish, .80; Canadian Electric Co., adjusting, .60; E. A. Goodman, vaseline, .10; Grand & Toy, tags, .40; Yorkville Laundry Co., laundrying, .78; C. M. Richardson, cartage, 3.50; Galbraith Photo Co., photo album of plates, 1.55	352 80
Domestic Science:—	
Kate Ellis, services as substitute teacher, 12.00; Jno. Watson gas stoves, 27.75; Jno. Wannamaker, spoons, 2.86; Fletcher Mfg. Co., measures, 2.70; Wm. Junor, salt and pepper holders, 3.75; C. A. Dunning, meat, 6.23; Alex. Bryce, milk, 2.46; H. Tolchard, groceries, 18.09; T. Eaton Co., sewing supplies, 85.08; Weh Young, laundrying, .80; Yorkville Laundry, laundrying, 8.81; Standard Laundry, laundrying, 2.06; M. A. Ewing, refund duty, 58; G. T. Railway, freight charges, 1.09; C. P. Railway, freight charges, 2.29	176 55

## EDUCATION.—Continued.

## NORMAL AND MODEL SCHOOLS, TORONTO.—Continued.

## EXPENSES.—Continued.

## Kindergarten Department:—

Steinberger, Hendry Co., supplies, 23.53;	J. Davis & Sons, clay, 1.00;	
Wm. Rennie, seeds, 1.60;	J. A. Simmers, peas, 4.00;	
Jos. Dean, bird cage, seed, etc., 4.90;	Ryrie Bros., invitations, 7.75;	
J. H. Dunlop, flowers for closing exercises, 5.00;	E. Cody, sundries, 2.91;	50 69

## NORMAL AND MODEL SCHOOLS, OTTAWA.

## SALARIES (\$22,001.82).

J. F. White: Twelve months' salary as Principal	2,350 00
S. B. Sinclair do Vice-Principal	2,000 00
J. A. Dobbie do Drawing Master	1,000 00
T. A. Brown do Music Master	1,000 00
J. Fleury do French Master	600 00
F. A. Jones do Drill Instructor	150 00
do Arrears for 1903	50 00
J. H. Putman: Twelve months' salary as Head Master Boys' Model School	1,550 00
J. F. Sullivan do First Assistant do	1,200 00
F. A. Jones do Second do do	1,100 00
E. H. Weir Four do Third do do	216 66
M. H. Merritt Eight do do do	434 00
M. E. Butterworth, Twelve do Head Mistress Girls' do	1,000 00
F. Hannington Nine do First Assistant do	237 00
A. G. Hanahoe Twelve do do do	700 00
J. Foster do Second do do	650 00
M. Cannem Eight do Third do do	400 00
Jennie Hilliard Three do do do	162 50
E. H. Keyes Twelve do Instructor in Calisthenics	750 00
B. Livingstone do do Domestic Science	600 00
J. S. Harterre do do Manual Training	1,000 00
Eliza Bolton do Director of Kindergarten	1,000 00
Jessie Stocks Ten do Assistant Director of Kindergarten	500 00
A. H. Baker Two do do do	91 66
A. Heeny Twelve do First Engineer and Gardener	650 00
Jas. Mooney do Second do	500 00
Thos. Bingham do Laborer	400 00
O. Macdonald do Janitor Normal School Buildings	1,260 00
E. Murphy do Night Watchman	450 00

## EXPENSES (\$2,631.45).

Warwick Bros. & Rutter, printing and binding, 43.03; Rolph Smith & Co., stamping, 13.38	56 41
Jas. Hope & Sons, stationery, 161.70; school books, 544.21; postage stamps, 33.00	738 91
Wm. McMaster, postage stamps, 50.00; L. K. Cameron, paper, 7.06; stationery, 157.65	214 71
Books:—	
C. E. Lauriat & Co., 2.00; Wm. Tyrrell & Co., 50.29; Morang & Co., 27.64;	
G. Buskin, .50; Wm. Briggs, 104.19; J. R. Long, 2.00; A. & C. Black, 2.31;	
Whitcomb Barrows & Co., .83; Copp Clark Co., 4.89; Canada Pub. Co., 4.50	199 15
Might's Directories, directory, 4.00; B. Nicholson, 2 copies French Canadian, 6.25	10 25
A. H. Jarvis, subscription to magazines, 48.38; sundry newspapers subscriptions, 37.20	85 58
J. L. Orme, musical compositions, 28.08; J. Ogilvy, pictures, .50	28 58
Carbon Studio, photo Hon. G. W. Ross, 3.00; Chandler & Massey, microscope, 29.45	32 45
Steinberger Hendry Co., charts, 8.00; Map and School Supply Co., supplies, 1.03	9 03
Smith Premier Typewriter Co., copying, 4.00; T. A. Brown, services cataloguing library	104 00
100.00	
Services as Substitute Teachers:—	
M. Woodburn, 10.00; Ethel Rowan, 8.00; Arthur Dorey, 75.00; L. Haviland, 7.00	100 00
J. White, removal Toronto to Ottawa, 96.95; grant towards games, 35.00	131 95
University Ottawa, use of oval for games	5 00
W. C. Edwards, lumber, .75; W. T. Esdale, glue, etc., 1.10	1 85
Bryson, Graham & Co., washing soda, .20; W. B. Macdonald, slides, covers, etc., .90	1 10
Geo. May & Son, rubber bumpers, 1.17; Garrioch Godard & Co., battery zinc, .50	1 67

## EDUCATION.—Continued.

## NORMAL AND MODEL SCHOOLS, OTTAWA.—Continued.

## EXPENSES.—Continued.

Ottawa Drug Co., chamois skins, 1.25; J. A. Musgrove, chloride of lime, .75.....	2 00
C. Ross, ribbon, .70; Ottawa Electric Railway Co., car fares, 16.36.....	17 05
American Express Co., charges, 1.75; Dominion Express Co., charges, 14.75.....	16 50
Canadian Express Co., charges, 6.93; C. P. Railway, freight charges, 5.55.....	12 48
Can. Atlantic Railway, freight charges, 2.64; C. P. R. Telegraph telegrams, 6.18....	8 82
G. N. W. Telegraph, telegrams, 1.67; J. F. White, sundries, 2.28.....	3 95
Advertising:—Ottawa Citizen, 2.70; Queen's University, J.L., 1.00.....	
Varsity, 1.00; University Co., 3.00; Ottawa Free Press, 2.00; Ottawa Journal, 2.00	11 70
<b>Manual Training:—</b>	
Jas. Hope & Sons, stationery, 133.55; Bryson Graham Co., baskets, whisks, etc., 3.80.	
Butterworth & C., hardware, etc., 8.84; Steinberger Hendry Co., tools, etc., 44.60	
J. P. & F. W. Edmonds, willow reed, etc., 44.05; W. C. Edwards & Co., lumber, 90.85	
H. Bushe, grinding tools, 4.07; Ottawa Electric Co., energy for teaching, 8.08....	
Wm. Briggs, books, 31.99; C. Guillet, drawing models, etc., 4.25 .....	374 03
<b>Domestic Science:—</b>	
Lucy Cumming, services assistant teacher Domestic Science @ 500.00; per annum,	
93.75 .....	
Jas. Hope & Sons, paper, stationery, etc. 29.70; Home Science Pub. Co., books, 21.37	
Federal Engraving Co., invitation cards, 4.25;                   Christine Estate, ice, 2.00;	
Supplies:—C. Ross Co., 60.78;                   W. H. Nicolls, 6.05;                   J. I. McQuarrie, 12.06;	
S. W. Lee, 67.47;                   Bryson, Graham & Co., 23.12;                   B. Slattery, 1.52;	
G. Matthews Co., 1.79 .....	
Library Bureau, table tops, 4.75;                   Butterworth & Co., altering burners, 5.25;	
Sisters of Our Lady of Charity, washing curtains, 5.72;                   Pykes Steam Laundry,	
washing towels, 6.61 .....	346 19
<b>Kindergarten:—</b>	
C. Guillet, tables, 4.20; Steinberger Hendry Co., supplies, 113.58 .....	
W. J. Henry, fish food, .25 .....	118 03

## NORMAL AND MODEL SCHOOLS, OTTAWA.

## MAINTENANCE (\$6,650.90).

Ottawa Gas Co., light, 189.73; Aner lights, etc., 6.00 .....	195 73
Water Works Dept., water, 610.77; Ottawa Electric Co., power, 3.15; light, 3.40 .....	617 32
C. C. Ray, 100 tons egg coal @ 6.50, 650.00;                   300 tons egg coal @ 7.10, 2,130.00;	
1 ton nut and blacksmithing coal, 7.00; 1 load kindling wood, 1.75 .....	
Time of men and horses removing snow, 2.00 .....	2 790 75
J. Henry & Sons, 30 cords hardwood @ 5.95, 178.50; 30 cords soft wood @ 2.90, 87.00	265 50
Butterworth & Co., hardware, etc., 90.13; castings, 149.21; steamfitting, 3.67.....	243 01
Jas. White, hardware, glass, etc., 52.12; Graves Bros, nails, .40 .....	52 52
Bryson Graham & Co., paint, cleaning supplies, etc., 14.94; W. O. Edwards & Co.,	
lumber, 9.02 .....	23 96
Davidson & Thackray, lumber for rink, etc., 16.14; Stephens Bros., paint, floor oil, etc.,	
6.91 .....	23 05
Alfred Brown, oiling floors, 5.35; O'Reilly & Murphy, insulating wires, 1.00.....	6 35
J. J. Murphy, plumbing, etc., 1.55; roofing boiler room with galvanized iron, 79.41	
repairing roofs, 246.56; clearing snow from roof, 58.50 .....	396 02
M. Jolicoeur, carpentering, etc., 7.40; G. Burns carpentering, 8.13 .....	15 53
J. Tobin, carpentering, 12.50; Isaac Foster, carpentering, lumber, etc., 14.92 .....	27 42
F. Smith, painting, glass, etc., 423.30; bricklaying, 48.00 .....	471 30
W. S. Howe, decorating, painting, reglazing, etc., .....	374 75
Power Bros., covering part of boilers, 45.00; J. McLaughlin, plastering, 81.93 .....	126 98
Christie & McCready, repairing ceiling, 3.60; W. R. Clarey, plastering, 14.85 .....	18 45
J. & C. Low, repairing cupboard, 3.57; Knox Bros., bal contract skylight and ceiling,	
190.00 .....	193 57
Chandler & Co., fitting up gas fixtures, 7.75; C. Nelson, repairing benches, 7.56; hanging	
pictures, 4.20 .....	19 51
D. Storey lounge, 14.25; C. Ross & Co., linoleum, window shades, etc., 5.17 .....	19 42
Harris, Campbell & Boyden Furniture Co., repairing furniture .....	55 00
Library Bureau of Canada, repairing desk and kindergarten tables .....	91 00



## EDUCATION.—Continued.

## NORMAL AND MODEL SCHOOLS, OTTAWA.—Continued.

## MAINTENANCE.—Continued.

W. J. Ellard, ice ruffer, 1.50; J. L. Orme, repairing and tuning, piano and organ, 34.25	35 75
Jno. Wilson & Co., framing and hanging pictures, 9.75; F. Jarman, engravings and framing, 23.95	33 70
Mackenzie & Co., oleographs, engravings, framing, etc., 59.00; picture Queen Victoria, 10.00	69 00
Thos. Smith, care of clocks, 120.00; J. F. White, sundries, .15	120 15
Graham Bros., plants, bulbs, etc., 60.61; Leon Sabourin, cedar trees, 1.00	61 61
C. Scrim, plants, etc., 69.05; Tho. Nicholson, cutting grass, 58.50	127 55
Jas. Codd, rolling lawn, 2.00; A. C. Marshall, gravel, 6.75	8 75
Jos. Boulay, sand, .75; Thos. Mooney, services as acting gardener @ 1.25 per day, 41.25	42 00
Jas. Mooney, carting ashes, 60.75; Capital Transfer Co., cartage, 1.00	61 75
Good Shepherd Laundry, washing curtains, 2.00; Mrs. A. Cameron, cleaning, 5.30	7 30
Mrs. Dube, cleaning, 2.00; M. J. Quinn, travelling expenses, 20.80	22 80
M. McBrearty, travelling expenses, 17.35; H. E. Moore, travelling expenses, 16.05	33 40

## NORMAL AND MODEL SCHOOLS LONDON.

## SALARIES —(\$8,500.00).

F. W. Merchant, Twelve months' salary as Principal	2,500 00
Jno. Dearnese, do Vice-Principal	1,950 00
S. K. Davidson, do Drawing and Writing Master	250 00
F. L. Evans, do Music Master	250 00
Geo. McLaren, do Physical Instructor	150 00
Agnes Mackenzie, do Kindergarten Teacher	100 00
Sugden Pickles, do Instructor Manual Training	1,000 00
Ada Butchart, do do Household Science	350 00
Nelie Heffernan, do Stenographer	450 00
Andrew Templeton, do Engineer	600 00
W. C. Robertson, do Caretaker	400 00
Wm. Casey, do Gardener	500 00

## EXPENSES.—(\$3,094.78.)

Warwick Bros. & Rutter, printing and binding	26 67
L. K. Cameron, paper, 2.50; stationery, 5.84; London, Advertiser, printing and stationery, 47.50	55 84
Reid Bros. & Co., stationery, 16.80; paper, 2.50; J. Mills, stationery, 10.65	29 95
Wm. Weldon & Co., binding, 58.20; J. G. Foster, directory, 3.00	61 20
Books:—C. E. Lauriat & Co., 1.25; Wm. Briggs, 162.77; Wm. Tyrrell & Co., 52.34; J. R. Long, 2.00; A. C. Black, 2.31; Morang & Co., 3.50; J. Mills, 19.70	246 87
B. Nicholson, 3.00	
Jno. Mills, subscriptions to magazines, 129.29; Silver Burdette Co., music charts, 9.09	138 38
J. H. Black, photo material, 14.90; Jas. J. Anderson, slates, 4.00	18 90
McClary Mfg. Co., book rests, 5.00; United Factories, whisks, .95	5 95
Map and School Supply Co., apparatus, 9.30; Electrical Construction Co., apparatus, 4.70	14 00
Can. Electric Supply Co., apparatus, 5.70; J. Purdom, battery boxes, 10.65	16 35
Chas. Potter, gas intanks, 10.80; Johnston Service Co., Thermostat Movement, etc., 11.20	22 00
Steinberger Hendry Co., modelling clay, 28.70; J. Gammage & Son, raffia, .50	29 20
Anderson & Nelles, chemicals, etc., 206.49; Dom. Calcium Light Co. lines, 1.00	207 49
United Typewriter Co., supplies and cleaning, 23.50; Dr. C. C. T. Campbell, lecturing 1903-4, 100.00	123 50
E.S. Williamson, lecture and expenses, 30.00; Wm. Gurd & Co., basket ball outfit, 4.00	34 00
Secy. Bd. Education, London, grant providing Pub. School for Practical teaching to students	1,500 00
Bell Telephone Co., messages 1.85; C. P. R. Telegraph, telegrams, .25	2 10
G. N. W. Telegraph Co., telegrams, .25; American Express Co., charges, 1.60	1 85
Canadian Express Co., charges, 6.45; Dominion Express Co., charges, 9.10	15 55



## EDUCATION.—Continued.

## NORMAL AND MODEL SCHOOLS, LONDON.—Continued.

## EXPENSES.—Continued.

C. P. Railway, freight charges 5.19; G. T. Railway, freight charges, 2.33 .....	7 52
City Parcel Express, cartage, .35; J. Whitbread, cartage, 1.50.....	1 85
University Co., advertising, 3.00 .....	3 00
Domestic Science:—	
Harry Ranahan, supplies, 64.02; C. H. Bayley, supplies, 16.33 .....	
O. B. Graves, cards, 5.00 .....	85 38
Manual Training:—	
Purdom, Gillespie Hardware Co., belting, hardware, etc. 79.42.....	
A. R. Williams, lathe, drills, etc., 139.40; D. McKenzie, emery grinder, 19.50;	
Steinberger, Hendry Co., tools, supplies, etc., 50.00; Dodge Mfg. Co., pulleys, fix-	
tures, etc., 27.93. ....	
London Machine Tool Co., blacksmith work, 2.00; Wm. Gerry, lumber, 84.02;	
Sugden Pickles to pay expenses exhibit Manual Training work, 7.97 .....	
Wm. Briggs, books, 31.99; O. B. Graves, cards, 5.00;	447 23

## NORMAL AND MODEL SCHOOLS, LONDON, MAINTENANCE (\$2,554.87)

London Electric Co., light current, 88.72; power current, 60.00.....	148 72
Water Works Commissioners, water, 199.20; City Gas Co., gas, 16.30 .....	215 50
Webster & Kernohan, 178.50 tons egg coal c 6.70, 1,192.77; 3 cords slabs, 15.00.....	1,207 77
Purdom, Gillespie Co., varnish, oil, etc., 23.08; Westland Bros., glass, 2.00 .....	25 08
Beresford Oil Co., metal polish, 3.00; McKenzie & Co., picture Queen Victoria, 10.00.....	13 00
Canada Electric School Supply Co., gong, 7.70; T. Gilligan, repairing clocks, 2.00....	9 70
Edy Bros, framing pictures, 10.00; Forest City Carpet Cleaning Works, cleaning carpets,	
13.44 .....	23 44
O. B. Graves, frames, 38.50; Jno. Purdom, taking off and storing storm sash, 18.20 .....	56 70
G. Durham, work on grounds, @ 1.50 per day, 82.50; W. A. Brock, repairing lawn	
mower, 1.80 .....	84 30
Dennis Iron & Wire Co., repairing lawn mower, 2.10; J. Gammage & Son, bulbs, 26.97.	29 07
Asylum for Insane, London, plants, 183.35; McArthur Bros., fertilizer, 4.00.....	187 35
H. L. Atkinson, floor brushes, 5.00; M. Masuret & Co., soap, 12.00; United Factories,	
dusters, 3.80 .....	20 80
Mrs. Sarah Perry, services cleaning, 391.88; washing towels, 39.36 .....	431 24
W. J. T. Berry, cleaning windows, 60.00; Mrs. Macfie, cleaning windows, 5.00.....	65 00
S. Gregory, carting ashes, 3.00; Perry Norris, carting ashes, 24.00 .....	27 00
M. McBrearty, travelling expenses inspection of boilers .....	10 20

## HIGH SCHOOLS AND COLLEGIATE INSTITUTES (\$115,719.40).

J. E. Hodgson, Twelve months' salary as Inspector.....	2750 00
do Travelling expenses .....	440 00
Jno. Seath Twelve months' salary as Inspector.....	2,750 00
do Travelling expenses .....	540 05
do extra services re revision regulations and new course of study .....	250 00
H. F. Taylor, services as phone boy .....	5 00

## Treasurer Board High Schools and Collegiate Institutes:—

Alexandria, 637.54; Almonte, 704.88; Arnprior, 601.04; Aurora, 616.16;
Athens, 686.13; Arthur, 613.41; Aylmer, 886.03; Beamsville, 472.95;
Belleville, 811.76; Berlin, 994.84; Bowmanville, 776.75; Bradford, 557.66;
Brantford, 1,262.84; Barrie, 1,071.59; Brockville, 1,148.36; Brampton, 845.91;
Brighton, 468.93; Caledonia, 572.34; Campbellford, 665.58; Cayuga, 566.91;
Carleton Place, 684.53; Colborne, 459.98; Cornwall, 841.27; Chatham, 1,266.65;
Clinton, 942.10; Cobourg, 996.06; Collingwood, 942.26; Deseronto, 629.98;
Dundas, 646.66; Dnnnville, 662.19; Dutton, 604.52; Elora, 542.80;
East Toronto, 412.78; Essex, 687.03; Fort William, 684.82; Fergus, 570.14;
Forest, 617.33; Galt, 1,211.25; Gananoque, 669.52; Grimsby, 433.71;
Georgetown, 601.20; Glencoe, 597.25; Gravenhurst, 488.73; Goderich, 1,035.88;

EDUCATION.—Continued.

HIGH SCHOOLS AND COLLEGIATE INSTITUTES.—Continued.

Treasurer Board High Schools and Collegiate Institutes:—

Guelph, 1,148.08;	Harriston, 606.86;	Hawkesbury, 589.50;	Hagersville, 619.02;
Hamilton, 1,341.16;	Iroquois, 712.35;	Ingersoll, 1,010.35;	Kingston, 1,249.02;
Kemptville, 744.34;	Kincardine, 737.92;	Lindsay, 1,185.61;	Listowel, 666.36;
Lucan, 654.24;	Leamington, 709.52;	London, 1,368.70;	Madoc, 563.26;
Markham, 681.47;	Mitchell, 635.03;	Mt. Forest, 715.02;	Meaford, 814.22;
Morrisburg, 1,014.22;	Newburgh, 537.93;	Newcastle, 475.33;	Napanee, 1,081.42;
Niagara Falls, 1,120.57;	Niagara Falls S. 582.56;	Niagara, 432.27;	Newmarket, 637.01;
Norwood, 580.51;	North Bay, 504.80;	Oakville, 544.97;	Omemeo, 453.05;
Orangeville, 793.83;	Oshawa, 761.35;	Orillia, 1,085.36;	Ottawa, 1,321.88;
Owen Sound, 1,217.93;	Paris, 624.40;	Parkhill, 587.18;	Pembroke, 714.50;
Petrolia, 735.93;	Picton, 841.12;	Perth, 924.51;	Peterboro, 1,247.62;
Prescott, 599.40;	Port Arthur, 593.16;	Port Dover, 448.31;	Port Elgin, 572.23
Port Hope, 855.88;	Port Perry, 634.55;	Port Rowan, 425.78;	Renfrew, 872.26;
Richmond Hill, 515.91;	Rat Portage, 494.00;	Ridgetown, 975.39;	Simcoe, 778.33;
Smith's Falls, 681.16;	Smithville, 509.48;	Streetsville, 445.22;	Sydenham, 565.04;
Stirling, 515.46;	Sarnia, 1,232.51;	Seaforth, 962.75;	Stratford, 1,209.46;
Strathroy, 958.14;	Sault Ste Marie, 526.25;	St. Catharines, 1,239.62;	St. Mary's, 930.04
St. Thomas, 1,311.27;	Toronto (Jarvis st.) 1,295.16;	Toronto (Harboard) 1,330.95;	
Toronto (Jamieson Ave.) 1,289.20;	Toronto Junction, 1,055.07;	Thorold, 551.53;	
Trenton, 648.54;	Tilsonburg, 616.48;	Uxbridge, 627.09;	Vienna, 440.73;
Wankleek Hill, 895.94;	Whitby, 817.97;	Walkerton, 746.19;	Wardsville, 438.46;
Waterdown, 499.29;	Welland, 682.98;	Weston, 525.67;	Williamstown, 612.97;
Windsor, 1,278.59;	Woodstock, 1,197.60;	Watford, 671.37;	Warton, 599.86;
Waterford, 605.52			103,841 29

Special Grants. Treasurer High School Board:—

Port William, 484.82;	Gravenhurst, 488.73;	North Bay, 504.80	
Port Arthur, 593.16;	Rat Portage, 494.00;	Sault Ste Marie, 526.25	3,091 76
Military Instruction. Treasurer Board High Schools and Collegiate Institutes.....			
Arthur, 50.00;	Barrie, 50.00;	Brantford, 50.00;	Chatham, 50.00;
Cobourg, 50.00;	Collingwood, 50.00;	Dundas, 50.00;	Dunnville, 50.00;
Guelph, 50.00;	Galt, 50.00;	Hamilton, 50.00;	Lindsay, 50.00;
Mt. Forest, 50.00;	Morrisburg, 50.00;	Norwood, 50.00;	Napanee, 50.00;
Niagara Falls, 50.00;	Orillia, 50.00;	Ottawa, 50.00;	arrears 1903, 50.00;
Owen Sound, 50.00;	Port Perry, 50.00;	Peterboro, 50.00;	Seaforth, 50.00;
Sarnia, 50.00;	St. Thomas, 50.00;	St. Catharines, 50.00;	Toronto (Jarvis) 50.00;
Toronto (Harboard) 50.00;	Toronto (Jamieson) 50.00;	Uxbridge, 50.00;	
Woodstock, 60.00;	Wankleek Hill, 50.00		1,650 00

Warwick Bros. & Rutter, printing and binding, 59.53;	Grip P't'g Co., embossing, .78;....	60 31	
L. K. Cameron, stationery, 54.34;	paper, 6.89;	Copp, Clark Co., certificates, 100.00....	161 23
Brown Bros., mailing tubes, 6.75;	A. T. DeLury, refund re High School Text books, 4.76	11 51	
Wm. McMaster, postage stamps, 138.00;	D. W. Wright, cartage, .25.....	138 25	
Advertising:—University Co., 11.00;		Queen's University Journal, 3.00;	Varsity, 5.00;
Educational Publishing Co., 9.00;	Queen's Quarterly, 2.00.....	30 00	

ONTARIO NORMAL COLLEGE.

SALARIES (\$5,125.00).

J. A. McLellan:	Twelve months' salary as Principal .....	3,000 00
R. A. Thompson,	do Vice-Principal.....	500 00
E. M. McPherson,	do Clerk .....	250 00
Wm. Bailey,	do Instructor Manual Training.....	1,000 00
M. C. Macpherson,	do do Household Science .....	375 00

EXPENSES (\$7,452.90).

Warwick Bros. & Rutter: Printing & binding, 88.75;	Riordon Paper Mills: Paper, 22.05	110 80	
L. K. Cameron, paper, 3.97;	stationery, 16.00;	J. G. Cloke, etc., stationery, etc., 60.20..	82 17
R. Duncan & Co., examination paper, 33.75;	Wm. McMaster, postage, 50.00.....	83 75	
Books:—G. N. Morang & Co., 23.50;	J. G. Cloke, 16.10;	J. R. Long, 2.00 .....	41 60
Wm Tyrrell & Co.: Periodicals, 15.85;	H. Vernon: Hamilton directory, 2.50 ..	18 35	

## EDUCATION.—Continued.

## ONTARIO NORMAL COLLEGE.—Continued.

## EXPENSES.—Continued.

## Services lecturing to students:—

W. S. Milner, 50.00;	J. B. Turner, 71.67;	J. T. Crawford, 71.67;	
W. M. Logan, 71.67;	E. T. Hogarth, 71.67;	F. F. Macpherson, 171.67;	
A. Patterson, 71.67;	J. Gill, 71.66;	S. A. Morgan, 71.66;	
G. L. Johnston, 71.66			795 00
Secretary Board of Education, Hamilton: Grant			4,500 00
Treasurer Ontario Normal College Literary Society: Grant			25 00
do Women's Athletic Association: Grant			24 00
Dominion Express Co.: Charges, 2.70; Canadian Express Co.: Charges, .90			3 60
Advertising:—Queen's Quarterly Pub. Com., 3.00		Queen's University JI., 1.00;	
Educational Pub. Co., 8.00; University Co., 4.00			16 00
Manual Training:—			..
Aikenhead Hardware Co.: Tools, equipment, etc., 944.79; A. R. Williams Machinery Co.: Machinery, 296.19; Wood, Vallance & Co.: Appliances, 208.80; Elec. Supply Co.: electric supplies, 50.34; Burton, Baldwin Mfg. Co.: Saw horses, specimens of wood etc., 5.68; W. Halliday: motor stand, 6.50; Hamilton Gas Light Co.: gas, 11.80; W. Bailey: refund express and freight charges, 12.91			1,537 91
Domestic Science:—			
Hamilton Gas Light Co.: Gas for cooking, 21.10; F. Hamilton Co.: Cooking utensils, 5.52; W. H. Nichols: Supplies, 44.61;		Jas. J. McQuarrie: Supplies, 134.44;	
Knox & Junor: Chinaware, 3.65;		J. G. Cloke: Marking set and paper, 2.10;	
Parisian Laundry Co.: Laundry, 4.20			215 62

## DEPARTMENTAL LIBRARY AND MUSEUM.

## SALARIES (\$4,457.00).

J. Geo. Hodgins: Twelve months' salary as Librarian and Historiographer	2,000 00
D. Boyle: do Curator of Museum	1,100 00
Jane M. Crooks: Ten do Assistant Librarian	457 00
Jessie Stocks: Two do	100 00
F. F. Evans: Twelve do Clerk	800 00

## EXPENSES (\$5,501.13).

## Books:—

Wm. Briggs, 139.82;	G. N. Morang & Co., 26.96;	Wm. Tyrrell & Co., 228.80;	
C. E. Lauriat & Co., 8.75; Boston School of Gymnastics, 1.10; Chas. Scribners Sons, 7.54;	Copp, Clark & Co., 8.25;	Linscott Pub. Co., 4.00; Carswell Co., 7.25;	
G. Kelly, 40.23; Rev. E. H. Clapp, 3.00;	J. K. Williams, 2.00;	J. R. Long, 2.00;	
B. Nicholson, 3.00;	A. Norman, 16.00;	A. & C. Black, 14.08;	
A. Ryan, 1.00;	W. R. Haight, 2.25;	Chas. Letts & Co., 8.87;	
J. H. Patton, 7.00; Vannevar & Co., .60;	H. A. Wilson Co., 1.25;	National Educational Association, 2.00;	
McMillan & Co., .70;	C. H. Thorburn, 1.45;	Funk & Wagnalls, 3.53;	
Baker & Taylor Co., 1.53			542 96

## Subscriptions:—

<i>Acta Victoriana</i> , 1.00;	<i>American Folk Lore</i> , 3.00;	<i>American Inventor</i> , 1.50;
<i>Amer. Agriculturist</i> , 1.00;	<i>American Teacher</i> , 1.15;	<i>American Historical Review</i> , 3.75;
<i>Acadiensis</i> , 2.50;	<i>Birds and Nature</i> , 1.50;	<i>Bookseller and Stationer</i> , 1.00;
<i>Botanical Gazette</i> , 5.00;	<i>Booksellers Magazine</i> , 2.25;	<i>Booklovers' Library</i> , 5.00;
<i>Contemporary Review</i> , 6.10;	<i>Christian Guardian</i> , 1.00;	<i>Can. Manufacturer</i> , 1.00;
<i>Can. Architect and Builder</i> , 2.00;	<i>Can. Bookseller</i> , 1.00;	<i>Can. Magazine</i> , 10.30;
<i>Can. Journal of Medicine and Surgery</i> , 1.00;	<i>Can. Practitioner</i> , 2.00;	<i>Can. Mute</i> , .50;
<i>Can. Baptist</i> , 1.50;	<i>Can. Teacher</i> , 2.50;	<i>Can. Good Housekeeping</i> , 1.00;
<i>Can. Annual Review</i> , 3.00;	<i>Canadian Churchman</i> , 1.50;	<i>Current Literature</i> , 3.00;
<i>Catholic Record</i> , 2.00;	<i>Century</i> , 5.25;	<i>Dominion Medical Monthly</i> , 2.00;
<i>Dominion Presbyterian</i> , 1.50;	<i>Educational Outlook</i> , 1.00;	<i>Economist</i> , 2.00;
<i>Educational Foundations</i> , 1.00;	<i>Educational Monthly</i> , 2.00;	<i>Educational Record</i> , 1.00;
<i>Educational Review, N.Y.</i> , 3.00;	<i>Educational Review, N.B.</i> , 1.35;	<i>Edu. Times</i> , 2.00;
<i>Education</i> , 4.40;	<i>Elementary School Teacher</i> , 1.50;	<i>Forum</i> , 4.00;
<i>Farming World</i> , 2.00;	<i>Home Science</i> , 1.00;	<i>Illustrated London News</i> , 7.00;



EDUCATION.—Continued.

DEPARTMENTAL LIBRARY AND MUSEUM.—Continued.

EXPENSES.—Continued.

Subscriptions.—Continued.

<i>Journal of Education</i> , 2.45; <i>Journal of Geography</i> , 1.70; <i>Kindergarten Mag.</i> 2.00;	
<i>Kindergarten Review</i> , .80; <i>Little Folks</i> , 1.00; <i>Library Journal</i> , 6.00;	
<i>League of the Empire</i> , .34; <i>Mind and Body</i> , 1.00; <i>Museum Journal</i> , 2.66;	
<i>McClures</i> , .95; <i>Manual Training Magazine</i> , .50; <i>Monthly Review</i> , 6.00;	
<i>Methodist Magazine</i> , 2.00; <i>N. A. Review</i> , 5.84; <i>Nineteenth Century</i> , 5.60;	
<i>Nature</i> , 7.00; <i>New England Journal of Education</i> , 2.75; <i>New Era</i> , .50;	
<i>O. A. C. Review</i> , .50; <i>Our Boys</i> , .25; <i>O. N. College Monthly</i> , .50; <i>Outlook</i> , 3.00;	
<i>Publisher's Weekly</i> , 3.00; <i>Penn. School Journal</i> , 1.25; <i>Popular Education</i> , 1.00;	
<i>Penman's Art Journal</i> , 1.00; <i>Printer and Publisher</i> , 2.00; <i>Public Opinion</i> , 5.00;	
<i>Primary School and Our Times</i> , 1.00; <i>Pedagogical Seminary</i> , 5.00;	
<i>Popular Science Monthly</i> , 3.00; <i>Quarterly Review</i> , 4.00; <i>Queen's Quarterly</i> , 1.00;	
<i>Review of Reviews</i> , 2.50; <i>School Master</i> , 3.00; <i>School Journal</i> , 2.40;	
<i>School Bulletin</i> , 1.00; <i>Scottish American</i> , 3.00; <i>School Review</i> , 1.50;	
<i>Scottish Canadian</i> , 1.00; <i>St. Hildas Chronicle</i> , 1.00; <i>Science</i> , 5.90;	
<i>Saturday Review</i> , 7.00; <i>Teacher's Institute</i> , 1.00; <i>Trinity University Review</i> , 1.00;	
<i>United Canada</i> , 1.50; <i>University of Toronto Monthly</i> , 1.00; <i>U. C. C. Times</i> , 1.00;	
<i>'Varsity</i> , 1.00; <i>World Work</i> , 3.00	228 44
G. Buskin, <i>Ojibwa Dictionary</i> , .50; Hon. D. Girouard; Copy Lake St. Louis, etc., 10.00	1050
W. H. Evans: Magazines for binding, 1.50; Josephine Smith: Copies <i>Cosmos</i> , 5.00	6 50
M. Sparkman: Souvenirs Canadian cities, 1.25; Sundry newspapers: Subscription, 181.15	182 40
Warwick Bros. & Rutter: Printing & binding, 39.50; Rolph, Smith & Co.: embossing, .78	40 28
J. K. Cameron: Stationery, 13.62; paper, 5.87; Wm. McMaster: Postage stamps, 25.00	44 49
Toronto Railway Co.: Car tickets, 10.00; H. M. Wilkinson: To pay express charges, .28	10 28
University of New York: Express & postage, 1.94; Dom. Express Co.: Charges, 7.25	9 19
Canadian Express Co.: Charges, 1.20; G. T. Railway: Freight charges, 1.30	2 50
Collector of Customs: Duty, .45; H. F. Taylor: Services as 'phone boy, 6.00	6 45
E. M. King: Services as stenographer at 8.00 per week	424 00
C. Wilkinson: do do	24 00

Museum:—

E Dennis: Services as stenographer at 8.50 per week	450 00
L. Sharp: Services arranging collection at 8.00 per week	53 33
L. Hartman: Services at 1.00 per day, 15.00; J. H. Hammond: Article for report, 25.00	40 00
Treasurer Ontario Society of Artists; Painting "Sunset Glow"	125 00
Mildred Peel: Bust Rev. Dr. Gordon, 125.00; travelling exp., to Kingston re bust 35.00	160 00
G. E. Laidlaw: Archaeological specimens, 3.00; C. W. Hartman; Specimens, 25.00	28 00
C. N. Bastedo: Indian relics, 10.00; J. H. Hammond: Specimens, 2.00	12 00
T. W. Beemer, M.D.: Specimens, 10.00; Alex. Hill: Indian deed, 5.00	15 00
Jacob Hess: Indian relics, 18.50; H. Etches: Collection of coins, 50.00	68 50
S. Mason: Rare books, 5.00; Jonathan Yorke: Picture in quills, 2.00	7 00
Dr. Wm. Brodie: Balance purchase of collection, 800.00; services arranging specimens in case, 250.00; services in museum, 750.00	1,800 00
N. Cockburn: Services assisting Dr. Brodie at 8.00 per week	272 00
Rev. Geo. W. Calvert: Collection Natural History specimens	250 00
J. Maughan, Jr.: Services classifying Calvert collection, 49.50; cleaning and poisoning collection, etc., 24.50	74 00
Dr G. A. McCallum: Expenses examining Indian collection	10 00
Wm. Scott: Collecting and mounting plants, 37.12; Gertie Hill: Washing busts, 10.00	47 12
W. E. Blake: Framing picture, 8.50; Woltz Mfg. Co.: Repairing picture, .80	9 30
Aikenhead Hardware Co.: Glass, picture wire, etc., 23.02; Wm. Hornshaw: Repairing exhibit, 4.50	27 52
Toronto Plate Glass Co.: Glass, 14.92; Mackenzie & Co.: Tablets, 5.30	20 22
M. Rawlinson: Boxes for specimens, 60.60; T. Eaton Co.: Cork carpet, etc., 36.23	96 83
H. M. Stevenson: Name plate, 2.00; J. B. Smith & Sons: Cases for museum, 4.90	6 90
Henry A. Rowland: Jars, chemicals, etc., 73.22; W. Lloyd Wood: Spirits, .50	73 72
L. McCorkindale: Sponges, .45; Brown Bros.: Paper for Natural History collection, 15.60	16 05
A. C. Casselman: Binding "bank crests," .50; E. A. Skenings: Golden leaves, 2.16	2 66

## EDUCATION.—Continued.

## DEPARTMENTAL LIBRARY AND MUSEUM.—Continued.

## EXPENSES.—Continued.

Amer. Museum of Natural History: Dues to Anthropological Assn . . . . .	6 03
Warwick Bros. & Rutter: Printing & binding, 37.70; L. K. Cameron: Paper, 7.94	45 64
Brown Bros.: Paper, 13.00; Stationery, 8.50; Riordon Paper Mills: Paper, 2.85	24 35
J. B. Williams: Expenses re exhibition, .50; C. W. Irwin: Brokerage, .50 . . . . .	1 00
Toronto Railway Co.: Car tickets, 6.00; G. T. Railway Co.: Freight charges, 4.28	10 28
Dominion Express Co.: Charges, .97; Canadian Express Co.: Charges, 3.40 . . . . .	4 37
Cartage: H. Graham, .75; T. R. Haig, 1.40; J. Dufan, .30; M. Rawlinson, 1.50	3 95
D. Boyle: Travelling expenses, 109.70; trip to St. Louis, 97.60 . . . . .	207 30

## SCHOOL OF PRACTICAL SCIENCE.

## SALARIES (\$32,255.94).

J. Galbraith: Twelve months' salary as Professor in Engineering and Principal	3,200 00
A. P. Coleman: do do Geology . . . . .	2,100 00
W. H. Ellis: do do Applied Chemistry . . . . .	1,900 00
L. B. Stewart: do do Surveying . . . . .	2,000 00
C. H. C. Wright: do do Architecture . . . . .	2,000 00
T. R. Rosebrugh: do do Electrical Engineering . . . . .	2,000 00
J. McGowan: do Lecturer in Applied Mechanics . . . . .	1,300 00
G. R. Mickle: do do Mining . . . . .	1,700 00
R. W. Angus: do do Mechanical Engineering . . . . .	1,400 00
J. W. Bain: do do Analytical Chemistry . . . . .	1,300 00
G. R. Anderson: Three do do Physics . . . . .	500 00
A. T. Laing: Twelve do Registrar and Librarian . . . . .	1,300 00
H. G. McVean: do do Demonstrator Mechanical Engineering . . . . .	900 00
H. W. Price: do do Electrical do . . . . .	900 00
E. C. R. Ardagh: Three do do Chemistry . . . . .	175 00
Peter Gillespie: do do Applied Mechanics . . . . .	175 00
Jas. R. Cockburn: do do Drawing . . . . .	175 00
F. G. Marriott: Nine do Assistant Lecturer Chemistry . . . . .	375 00
J. Horton: Three do do do . . . . .	125 00
A. E. Davidson: Nine do Fellow in Civil Engineering . . . . .	375 00
A. E. Gibson: Three do do do . . . . .	125 00
S. B. Wass: Nine do do Mechanical Engineering . . . . .	375 00
J. A. McFarlane: Three do do do . . . . .	125 00
J. G. McMillan: Twelve do do Mining Engineering . . . . .	500 00
E. G. R. Ardagh: Nine do do Chemistry . . . . .	375 00
S. Dushman: Three do do do . . . . .	125 00
C. G. Williams: Nine do do do . . . . .	377 00
E. Wade: Three do do do . . . . .	125 00
J. L. R. Parsons: Twelve do do Surveying . . . . .	500 00
N. D. Wilson: Three do do do . . . . .	125 00
H. M. Shipe: Nine do do Electrical Engineering . . . . .	375 00
H. G. Smith: Three do do do . . . . .	125 00
G. J. Manson: do do do do . . . . .	125 00
J. R. Cockburn: Nine do do Drawing . . . . .	375 00
M. R. Riddell: Three do do do . . . . .	125 00
Herbert Fullerton: Two do Assistant in Mechanical Laboratory . . . . .	90 17
David Sinclair: Twelve do Attendant in Chemistry . . . . .	600 00
Geo. Lamb: do do Metallurgy . . . . .	410 00
D. K. Ambrust: do do Drafting Room . . . . .	300 00
E. Tozer: do do Mining . . . . .	300 00
Ernest Thompson: Two do do Electrical Laboratory . . . . .	54 10
A. Enright: Ten do Messenger . . . . .	150 00
A. J. Richard: Twelve do Stenographer . . . . .	350 00
W. J. Graham: do do Caretaker . . . . .	798 00
W. Simpson: do do Engineer . . . . .	900 00
A. F. McKay: Seven do Fireman and Stoker . . . . .	280 00
W. B. Scott: Four do Night Fireman . . . . .	180 00
M. McBrearty: One do Chief Engineer Chem. & Min. Bldg . . . . .	100 00
S. Hunter: do do Asst. do do . . . . .	66 67
W. Foggett: do do Fireman do do . . . . .	50 00
B. McMahon: do do do do . . . . .	50 00



EDUCATION.—Continued.

SCHOOL OF PRACTICAL SCIENCE.—Continued.

EXPENSES (\$6,042.04).

Apparatus and Supplies:—

Map and School Supply Co., 12.75;	C. Potter, 154.61;	Dodge Mfg. Co., 16.56;	
Aikenhead Hardware Co., 275.25;	T. G. Rice Mfg. Co., 20.30;	Ont. Rubber Co., 43.41;	
A. T. Thompson & Co., 5.10;	S. S. White Dental Mfg. Co., 19.20;	Booth Copper Co., 2.25;	
Chandler & Massey, 10.77;	Fensom Elevator Co., 7.60;	Queen City Oil Co., 25.40;	
W. Abbott, 1.30;	Can. General Electric Co., 151.34;	C. R. Peterkin, 2.00;	
Grant-Hamilton Oil Co.: 23.50;	Sauveur & Whiting, 34.63;	Ginn & Co., 60.00;	
Hartman & Braun, 7.01;	Rice, Lewis & Son, 90.07;	Ward, Leonard Electric Co., 4.50;	
Fletcher Mfg. Co., 44.35;	Jno. Whitfield Co., 90.85;	Herman Boker & Co., 44.90;	
Eimer & Amend, 247.83;	Brady & Martin, 26.11;	F. G. Terry Co., 1.20;	
Standard Calorimeter Co., 9.66;	Jno. Lucas, 4.00;	Jno. McCausland & Son, 4.38;	
Rogers Electric Co., 30.00;	Volta Electric Repair Works, 88.00;	Jas. Foster, 84.50;	
Toronto Plate Glass Co., 1.57;	Jas. Morrison Brass Mfg. Co., 6.35;	W. H. Petrie, 6.66;	
Central Electric School Supply Co., 3.10;	McMahon, Broadfield Co., 1.50;		
Beaver Flint Glass Co., 17.50;	Bausch & Lomb Optical Co., 54.00;		
Willyoung & Gibson Co., 14.80;	E. Harris Co., 3.25;	Toronto Electric Light Co., 20.25;	
Globe Paint Co., 24.00;	Crown Art Stained Glass Co., 14.40;	Yokes H'dw're Co., 20	1,778 92

Chemicals:—

Lyman Bros., 220.84;	E. Muck, 89.69;	J. C. Harvey, 8.16;	
Canadian Chemical Mfg. Co., 95.68			414 37

Castings, Pipe, etc:—

Dean Bros., 14.31;	Treloar, Blashford Co., 50.28;	Purdy, Mansell Co., 89.43;	
Jas. Robertson Co., 8.28;	E. H. Roberts, 11.50;	Jno. Whitfield Co., 1.00;	174 80
T. R. Haig: coke, 14.40;	United Electric Co.: Brass rails, 3.90		18 30
G. T. Hawkins: Aluminum paint, 7.50;	Jno. Littlefield & Co.: Steel dies, 3.50		11 00

Repairs to Apparatus, etc:—

C. W. Coleman, 7.00;	Can. Electric & Supply Co., 3.50;	Geo. Pearsall, 2.20;	
Cobban Mfg. Co., .25			12 95
C. R. Peterkin: lumber, 13.10;	F. Hillock: lumber, 1.41;	J. B. Smith & Sons: Drawing tables, 400.00	414 51
Kilgour Bros.: Trays for rock samples, 36.00;	H. F. Sharpe: Photo supplies, 142.60		178 60
C. M. Mack: Sign marker, stamp, etc., 12.00;	Art Metropole: Drawing supplies, etc., 101.60		113 68
T. Henry: Blue print paper, 2.30;	architects' pocket book, 5.00		7 30
A. T. Thompson & Co.: Lantern & carbons, 127.89;	W. Cane: Slide boxes, 16.00		143 89
T. Eaton Co.: Clock, 4.65;	towelling, 14.00;	W. A. Murray & Co.: Oilcloth, 1.60	20 25
W. J. Wilson: Shade cloth, 14.20;	Might's Directories: Directory, 6.00		20 20

Books:—

Engineering and Mining Jl., 3.50;	Lemche & Buechner, 23.38;	Wm. Tyrrell, 2.00;	
D. Van Nostrand Co., 226.59;	Sauveur & Whiting, 14.00;	Est. E. A. McMicking, 3.75	
Engineering Society, 4.50;	Craz & Girdlack, 9.45;	A. Herman, 3.55;	
Thos. Henry, 3.75;	Society Chemical Industry, .52		294 97

Subscriptions:—

Amer. Inst. Mining Engineers, 33.00;	Inst. Mining & Metallurgy, 2.66		
Amer. Soc'y. Mechanical Engineers, 6.00;	Can. Mining Review, 3.00;		
Iron & Steel Institute, 5.32;	Engineering Magazine, 4.00;	Can. Electric News, 2.00	
Academy Architecture, 3.00;	English Builder, 6.50;	Studio, 3.50;	
Wabigoon Star, 1.50;	Review Pub. Co., .25;	Collier's Weekly (copies), .21	71 54
R. Friedlander & Sohn, periodicals, 22.90;	W. H. Guild & Co., periodicals, 115.35		138 25
S. P. S. Engineering Society, allowance for publishing proceedings, 75.00;	paper, 1.00		76 00
A. Petersen & Co., framing, 10.35;	Copp, Clark Co., mounting maps, 11.65		22 00
C. Gipton, repairing stamp, 1.00;	R. M. Williams, engraving, 1.00		2 00
Rolph Smith & Co., engraving, stamping, etc., 41.25;	diplomas, 10.00		51 25
Edith E. Shaw, engraving diplomas, 18.20;	Toronto Engraving Co., engraving, 1.00		19 20
Grip, Limited, half tone of building, 4.24;	University Co., printing and binding exam. books, 290.36		294 60
Warwick Bros. & Rutter, printing, etc., 122.60;	do. calendars, 221.45		344 05
L. K. Cameron, stationery, 273.93;	paper, 8.53;	Grand & Toy, stationery, 9.60	292 06
United Typewriter Co., supplies, 2.00;	C. Hendry, postage stamps and cards, 149.00		151 00

## EDUCATION.—Continued.

## SCHOOL OF PRACTICAL SCIENCE.—Continued.

## EXPENSES.—Continued.

## Subscriptions:—

D. Sinclair, car tickets, 1.00; Bell Telephone Co., messages, 3.80 .....	4 80
G. N. W. Telegraph Co., 1.68; C. P. R. Telegraph Co., telegrams, 2.92 .....	4 60
C. H. Cowen: Telegrams, .70; G. T. Railway: freight, 44.80; C. P. Railway: freight, 1.90 .....	47 40
Canadian Express Co.: Charges, 4.70; Dominion Express Co.: charges, 8.58 .....	13 28
Robinson & Heath, brokerage, etc., 95.61; C. W. Irwin, brokerage, etc., 1.44 .....	97 05
J. Judd, Mason & Bros., duty on chemicals, .90; Lester Cartage Co. cartage, 38.25 .....	39 15
D. W. Wright: Cartage, 1.75; Ward's Express: cartage, 3.25; Rawlinson's express: cartage, .35 .....	5 35

## Advertising:—

University Alumni Ass'n, 133.33; Ontario Pub. Comm., 80.00; Can. Engineer, 15.00; Presbyterian Publications, 24.75; Catholic Register, 25.00; Can. Mining Review, 30.00; Catholic Pub. Co., 20.00; Queen's Quarterly, 42.00; Varsity Co., 2.00; Engineering Soc'y., 8.00; Biggar, Samuel Co., 15.00; Educational Pub. Co., 2.00; Torontonensis, 25.00; Acta Victoriana, 25.00; The Presbyterian, 45.00; Can. Churchman, 18.00; Westminster, 22.50; Can. Year Book, 30.00; Reiting & Motz, 25.00; Globe Ptg. Co., 120.00; Sheppard Pub. Co., 50.00..	757 58
J. Galbraith, accountable .....	7 14

## MAINTENANCE (\$6,321.31).

Wages, carpenters, plumbers, laborers, etc., 1,391.64; Water Works Dep't, water 134.82 .....	1,526 46
Toronto Electric Light Co.: light, 166.01; power, 94.75; Consumers' Gas Co.: gas, 297.68 .....	558 44
Wm. McGill Co.: 190-1750 tons grade coal @ 6.00, 1,145.24; 51-750 tons egg coal @ 6.20 318.55 .....	
2-1700 tons stove coal @ 6.20, 17.67; 12 tons nut coal @ 6.20, 74.40; 4 cords hardwood @ 7.40, 29.60; 2 cords pine wood @ 6.25, 12.50; bagging coal .25; cutting wood @ 50 cents per cord, 3.00 .....	1,601 21
V. P. Fayle, meals, weighing coal, 3.90; M. O'Connor, painting, numbering, etc., 462.15 .....	466 05
Jno. Alridge, bricklaying, brick etc., 28.30; Geo. Henry, repairing plaster, 8.00 .....	36 30
Wm. Simpson & Co., hanging air pans under ventilators .....	2 80
Geo. Pearsall, sharpening saws, 1.40; Jno. Ritchie Plumbing Co., fitting up sink, 8.78 .....	10 18
Keith & Fitzsimons, electric fittings, wiring, etc .....	225 29
Geo. Ringham: Metal ceiling, 9.08; Aikenhead Hardware Co.: Hardware, etc., 15.44 .....	24 52
T. Tomlinson & Son, culvert grating, 6.00; T. G. Rice Wire Mfg. Co., wire mats, 10.75 .....	16 75
Dominion Radiator Co., pipe castings, etc., 13.35; Jas. Robertson Co., castings, etc., 11.53 .....	24 88
J. B. Smith & Sons, drawing tables, 425.30; lumber, 203.83 .....	629 13
Rogers Furniture Co., chairs, repairs, etc., 27.70; Adams Furniture Co., desk, 20.00 .....	47 70
Wheeler & Bain, furnishings, 18.75; Fletcher M'fg. Co., brooms, dusters etc., 22.05 .....	40 80
Jno Macdonald & Co., towelling, etc., 6.86; Swan Bros., brooms, soap, etc., 12.84 .....	19 70
Jno. Kay Son & Co.: cork carpet, 1.70; T. Eaton Co.: linoleum, 2.40 .....	4 10
W. Russell: vines, 4.50; repairing lawn mower, 1.00; J. A. Simmers: grass seed, 12.10 .....	17 60
J. Morrow, rent of roller 2.70; D. W. Wright, cartage, .50 .....	3 20
J. Maroney, carting ashes and snow, 73.20; C. English, assisting steam fitter, 6.00 .....	79 20
T. McCutcheon, services as fireman, 42.00; Mrs. W. J. Graham, washing towels, 15.00 .....	57 00
Mrs. Laballister, scrubbing, 5 00; University of Toronto, ground rent 1904, 925.00 .....	930 00

## PUBLIC LIBRARIES (\$35,268.42).

S. P. May: Twelve months' salary as Superintendent .....	1,700 00
Wm. Lemon do do Clerk .....	850 00

## Treasurer, Public Library:—

Allan's Mills, 14.69; Acton 24.73; Arthur, 57.37; Alliston, 20.45;
Alvinston, 102.53; Aylmer, 129.69; Almonte, 101.28; Addison, 43.82;
Arkona, 11.00 Atwood, 110.58; Arnprior, 50.79; Alton, 65.05
Ailsa Craig, 68.78; Amherstburg, 123.21; Aurora, 49.99; Alma, 61.33;
Angus, 32.84; Ayr, 45.94; Auburn, 7.85; Aberarder, 25.10;
Athens, 56.09; Blenheim, 51.49; Burks Falls, 20.67; Brockville, 243.93;

## EDUCATION.—Continued.

## PUBLIC LIBRARIES.—Continued.

Treasurer, Public Library :—

Barrie, 135.09;	Brighton, 121.23;	Bervie, 42.83;	Bridgeburg, 77.73;
Brussels, 96.17;	Bridgen, 24.07;	Bracondale, 41.52;	Brantford, 250.00;
Bowmanville, 24.64;	Brooklin, 51.46;	Bothwell, 65.23;	Beamsville, 48.16;
Bradford, 50.50;	Bolton, 53.43;	Belleville, 150.65;	Bracebridge, 125.40;
Brucefield, 60.00;	Belwood, 46.06;	Bayham, 16.45;	Bobcaygeon, 68.49;
Beachville, 95.11;	Burnstown, 24.11;	Burford, 116.95;	Beaverton, 41.89;
Bellfountain, 84.45;	Bunyan, 39.87;	Burlington, 37.53;	Brampton, 133.25;
Bruce Mines, 50.00;	Berlin, 143.83;	Bloomsburg, 2.72;	Berwick, 100.00;
Blyth, 47.32;	Chatsworth, 26.22;	Cambray, 39.68;	Cookstown, 33.20;
Clarksburg, 5.37;	Creemore, 28.96;	Claremont, 60.43;	Carp, 45.49;
Coldstream, 51.69;	Chesterville, 115.47;	Camden E., 48.07;	Caledon, 29.34;
Claude, 76.00;	Chesley, 87.89;	Campbellford, 65.82;	Clifford, 59.78;
Coldwater, 51.98;	Carleton Place, 116.10;	Comber, 107.30;	Chatham, 165.45;
Caledonia, 95.57;	Cornwall, 127.25;	Cobden, 25.56;	Collingwood, 45.90;
Cargill, 100.00;	Cannington, 44.47;	Cobourg, 136.96;	Callander, 93.25;
Clinton, 152.03;	Cheapside, 26.46;	Chepston, 102.75;	Cardinal, 17.95;
Canfield, 16.05;	Cayuga, 20.20;	Copleston, 48.90;	Don, 37.69;
Duttoh, 36.21;	Dunnville, 31.95;	Dresden, 14.30;	Dundas, 117.81;
Deseronto, 131.20;	Drumbo, 99.29;	Douglas, 20.50;	Dalhousie, 11.83;
Dromore, 14.34;	Dungannon, 13.59;	Dundalk, 87.63;	Delhi, 63.17;
Drayton, 70.63;	Durham, 31.57;	Ethel, 14.34;	Elora, 90.59;
Essex, 62.09;	Erin, 28.50;	Easton's Corners, 20.82;	Elmira, 17.93;
Embro, 73.00;	Emsdale, 55.06;	Exeter, 106.00;	Enterprise, 100.00;
Elmwood, 22.06;	East Toronto, 100.05;	Elmvale, 27.74;	Ennotville, 60.00;
Fonthill, 47.47;	Fenella, 25.96;	Fenelon Falls, 74.34;	Fordwich, 27.09;
Forresters Falls, 23.89;	Fort Erie, 47.83;	Fort Francis, 63.12;	Fergus, 69.20;
Forest, 90.64;	Gananoque, 102.97;	Garden Island, 101.73;	Glencoe, 100.62;
Guelph, 250.00;	Grantham, 100.86;	Galt, 250.00;	Georgetown, 96.96;
Gores Landing, 38.52;	Grimsbey, 132.97;	Gravenhurst, 47.00;	Glen Allen, 31.38;
Glen Cross, 20.92;	Glamis, 100.00;	Goulais Bay, 48.50;	Goderich, 110.92;
Grand Valley, 58.64;	Havelock, 140.39;	Harriston, 73.31;	Haliburton, 31.70;
Haileybury, 19.76;	Hamilton, 250.00;	Highgate, 79.37;	Hensall, 100.17;
Hagersville, 26.69;	Huntsville, 125.00;	Holstein, 35.04;	Holyrood, 26.48;
Highland Creek, 24.11;	Hillsdale, 50.96;	Harrow, 42.07;	Hespeler, 102.34;
Hepworth, 10.77;	Harrowsmith, 33.43;	Honeywood, 18.70;	Hanover, 25.04;
Inglewood, 21.21;	Ingersoll, 108.65;	Inkerman, 4.99;	Inwood, 49.93;
Islington, 49.00;	Iroquois, 74.72;	Jasper, 70.00;	Jarvis, 40.38;
Kingston, 161.72;	Kingsville, 116.70;	Kinmount, 91.68;	Kemptville, 77.09;
Kincardine, 82.34;	Komoka, 66.33;	Kemble, 39.57;	Kirkfield, 8.80;
Lancaster, 100.36;	Lakefield, 62.43;	Lynden, 9.81;	Little Current, 41.15;
Lucknow, 22.22;	Little Britain, 39.85;	Lucan, 26.76;	London, 250.00;
Listowel, 121.06;	Lefroy, 39.13;	Lindsay, 180.24;	Lanark, 121.96;
Leamington, 101.55;	Maple, 32.91;	Marlbank, 46.63;	Madoc, 105.31;
Markham, 41.34;	Mallorytown, 32.81;	Morrison, 17.35;	Morrisburg, 85.59;
Merrickville, 100.04;	Midland, 110.99;	Maxville, 27.52;	Mildmay, 70.30;
Matilda, 20.00;	Manilla, 100.92;	Maxwell, 74.15;	Monkton, 43.48;
Millgrove, 14.60;	Milverton, 101.50;	Markdale, 100.77;	Millbrook, 75.93;
Molesworth, 50.32;	Melbourne, 67.48;	Mississippi, 69.57;	Mount Brydges, 58.30;
Minden, 33.43;	Meaford, 47.72;	Merrittton, 51.40;	Mt. Albert, 43.97;
Mt. Forest, 59.00;	Milton, 29.74;	Mitchell, 79.28;	Nanticoke, 35.16;
North Augusta, 73.69;	Niagara Falls, S., 8.03;	Niagara Falls, 156.85;	Niagara, 107.41;
Napanee, 162.29;	North Gower, 51.85;	Newburgh, 47.88;	Newbury, 33.67;
New Hamburg, 99.68;	New Market, 35.95;	Newboro, 99.60;	Norwich, 107.26;
Norland, 49.00;	Newington, 72.24;	North Bay, 66.72;	Norwood, 120.73;
New Durham, 45.45;	Nain Centre, arrears 1902, 50.00;	Oakville, 48.63;	Odessa, 31.20;
Orono, 49.92;	Omeme, 53.82;	Oakville, 48.63;	Oshawa, 112.43;
Orangeville, 130.67;	Owen Sound, 76.13;	Orillia, 108.16;	Oakwood, 26.08;
Pickering, 34.51;	Petrola, 61.84;	Plattsville, 20.07;	Pakenham, 10.85;
Port Arthur, 89.71;	Port Carling, 21.15;	Port Perry, 88.92;	Port Elgin, 51.07;
Peterborough, 133.70;	Paisley, 63.53;	Parkhill, 9.19;	Perth, 53.00;
Port Colborne, 45.85;	Penetanguishene, 93.52;	Pinkerton, 78.22;	Paris, 88.00;
Port Dover, 34.54;	Port Credit, 39.32;	Port Hope, 146.25;	Palmerston, 118.86;
Prescott, 125.59;	Pembroke, 130.72;	Preston, 106.99;	Princeston, 101.26;
Priceville, 72.40;	Picton, 150.51;	Port Burwell, 30.25;	Poland, 80.00;



## EDUCATION.—Continued.

## PUBLIC LIBRARIES.—Continued.

## Treasurer, Public Library:—

Port Stanley, 27.19;	Parry Sound, 49.02;	Point Edward, 100.00;	Rat Portage, 136.88;
Riverdale, 20.97;	Ridgetown, 88.57;	Romney, 58.60;	Rodney, 37.44;
Ripley, 27.99;	Ridgeway, 51.26;	Richmond, 45.75;	Russell, 33.67;
Renfrew, 43.97;	Richmond Hill, 71.74;	Rockwood, 32.35;	Simcoe, 149.91;
Streetsville, 50.00;	Sterling, 153.74;	Smith's Falls, 136.17;	Seaforth, 114.34;
Shelbourne, 30.33;	Sarnia, 250.00;	Stratford, 250.00;	Strathroy, 139.08;
Shakespeare, 12.09;	Saltfleet, 100.00;	Schreiber, 37.26;	Shedden, 49.93;
Sunderland, 77.88;	Sundridge, 21.82;	Sparta, 23.49;	Scotland, 69.20;
Spencerville, 14.40;	Sprucedale, 51.03;	Sault Ste. Marie, 132.42;	St. Marys, 84.65;
Smithville, 91.59;	Stayner, 46.14;	Scarboro, 74.03;	Stouffville, 74.59;
Southampton, 34.06;	St. Thomas, 171.88;	St. George, 69.23;	St. Catharines, 250.80;
Severn Bridge, 48.67;	St. Helens, 25.75;	Sydenham, 68.74;	Tilsonburgh, 83.54;
Toronto Junction, 97.83;	Thessalon, 86.95;	Trenton, 100.27;	Tara, 40.52;
Thamesville, 12.52;	Thedford, 62.33;	Thamesford, 37.22;	Tamworth, 37.74;
Thornbury, 53.83;	Thorold, 139.07;	Toronto, 250.00;	Thornhill, 16.03;
Tilbury, 26.61;	Tilbury E., 32.87;	Teeswater, 116.68;	Thornloe, 35.28;
Tavistock, 127.05;	Underwood, 50.51;	Unionville, 28.27;	Uxbridge, 76.10;
Vankleek Hill, 73.31;	Vienna, 100.00;	Victoria, 45.33;	Victoria Mine, 36.85;
Wyoming, 40.43;	Wallaceburg, 115.38;	West Lorne, 23.70;	Wales, 70.13;
Watford, 89.88;	Whitby, 55.99;	White Lake, 34.35;	Weston, 23.83;
Waterloo, 116.95;	Welland, 99.89;	Woodville, 24.60;	Wingham, 125.94;
Williamstown, 57.57;	Wheatley, 49.45;	Wiarton, 119.70;	Woodstock, 139.74;
Wroxeater, 62.43;	Westford, 35.17;	Wellesley, 53.90;	Warkworth, 43.75;
Waterdown, 50.38;	Wardsville, 19.30;	Webbwood, 21.00;	Walkerton, 65.86;
Windsor, 250.00;	Woodbridge, 42.33;	Zephyr, 49.21;	Yarker, 12.15;
York, 41.50			26 591.41
Warwick Bros. & Rutter: Printing and binding, 43.14;	Rolph, Smith & Co.: Embossing, 78		43 92
L. K. Cameron: Paper, 18.80;	stationery, 28.13;	Riordon Paper Mills: Paper, .61	47 54
Brown Bros.: Blank books, .85;	Wm. McMaster: Postage stamps, 345.00		345 85
Newsome & Co.: Typewriter supplies, .75;	C. Wilkinson: Services stenographer, 8.00		8 75
H. F. Taylor: Services as 'phone boy, 12.00;	W. Lemon: Services as 'phone boy, 24.00		36 00
Toronto Railway Co.: Car tickets, 3.75;	S. P. May: Travelling expenses, 322.05		325 80

## Rural School Libraries: Grant towards purchase of books:—

## Treasurer County of:—

Brant, 26.25;	Bruce, 110.43;	Carleton, 155.28;	
Dufferin, 85.00;	Elgin, 430.48;	Essex, 20.54;	
Grey, 84.54;	Haliburton, 62.55;	Haldimand, 11.97;	
Hastings, 10.00;	Huron, 168.82;	Kent, 194.24;	
Lanark, 101.97;	Leeds & Grenville, 85.78;	Lennox & Addington, 24.53;	
Lincoln, 200.00;	Middlesex, 84.98;	Northumberland & Durham, 62.86;	
Norfolk, 23.13;	Ontario, 239.97;	Oxford, 52.11;	
Prince Edward, 61.11;	Prescott & Russell, 65.27;	Peterboro, 16.60;	
Simcoe, 89.25;	Stormont, Dundas & Glengarry, 47.41;	Victoria, 25.00;	
Waterloo, 21.00;	Wellington, 44.14;	Wentworth, 111.43;	
Trustees Public School:—7 Chaffey, 7.00;		3 Chaffey, 10.00;	
2 Morrison, 10.00;	3 Morrison, 10.00;	4 Morrison, 3.72;	
2 Medora, 10.00;	3 Medora, 10.00;	3 Perry, 10.00;	
4 Ryerson, 10.00;	1 Spence, 9.95;	5 Strong, 7.50;	
2 Salter & Harrow, 10.00;		1 Tehkummah, 10.00;	
Trustees R. C. S. S.:—1 Carrick & Culross, 5.50;		9 Downie, 10.00;	
3 Holland, 5.00;	5 Raleigh, 5.26;	6 Raleigh, 10.00;	
		7 Sydenham, 5.00	
			3,656 41

## Grants for free text books:—

Treasurer County Hastings, 3.92;	Lanark, 13.60;	Middlesex, 8.34;	
Wentworth, 6.34;		York, 8.55;	
Trustees P. S.:—3 Paipoonge, 10.75			
			51 50

## Travelling Libraries:—

Books: C. E. Lauriat & Co, 15.64;	Wm. Tyrrell & Co, 184.50;	G. N. Morang & Co, 77.65;
Wm. Briggs, 4.25;	Chas. Scribners Sons, 1.94;	W. E. Blake, 3.40;
E. J. Sacco, 1.90;	A. & C. Black, 11.49;	M. Moyer, 1.00;
Warwick Bros. & Rutter: Printing and binding, 4.65;	C. W. Irwin: Brokerage, .50;	

## EDUCATION.—Continued.

## PUBLIC LIBRARIES.—Continued.

## Travelling Libraries:—

Dominion Express Co.: Charges, 25.30; Canadian Express Co.: Charges, 11.50;	
G. T. Railway: Freight charges, 10.09; Toronto Railway Co.: Car tickets, 2.00;	355 81
W. J. Bell, Treasurer Reading Camp Association: Grant .....	500 00
Wm. Briggs: 4,000 pamphlets "Camp Education Extension," 126.20; refund of postage mailing circulars re Reading Camp Libraries, 36.25 .....	162 45
St. Patrick's Literary and Scientific Association: Allowance for literary work 1901-23 .....	342 93
Jno. Miller: Extra services preparing catalogue re P. S. Libraries .....	250 00

## ART SCHOOLS, ETC. (\$3,355.96).

## Legislative Grant:—

Ontario Society of Artists, 500.00;	School of Art St. Thomas, 320.00;	
Hamilton School of Art, 387.00;	Central Ontario School of Art & Design, 301.00;	
Central Art School, Toronto, 140.00 .....		1,648 00
Services preparing and Examining Papers:—		
W. S. Allward, 10.00; A. C. Barrett, 7.00; A. C. Casselman, 20.00; G. Hahn, 7.75;		
McG. Knowles, 5.00; J. Lang, 8.00; A. H. McBride, 7.00; A. F. McCallum, 22.00;		
Jessie C. McRae, 77.50; T. A. Reid, 70.00; W. Lemon, 15.00; S. F. Fuller, 90.00 .....		339 25
Travelling Expenses of Examiners:—		
Jessie McRae, 7.50; T. A. Reid, 8.90; S. F. Fuller, 12.00 .....		28 40
Paintings:—		
Ontario Society of Artists: "October," 20.00; "A Newfoundland Trout Stream," 125.00; "Bretone," 350.00 .....		675 00
Harry Spiers: (oil), "When Day's Work is Done" .....		100 00
Mackenzie & Co.: 4 portraits, "Aurora," "Resurrection," "St. Michael," "Sibrella," 200 00; lettering and hanging pictures, 35.20 .....		235 20
R. K. Sproule: 40 copies "Sons of the Empire," 30.00; C. T. Smith: Packing Art work, 3.00 .....		33 00
Warwick Bros. & Rutter: Printing and binding, 72.26; Riordon Paper Mills: Paper, 2.29 .....		74 55
L. K. Cameron: Paper, 54.17; stationery, 44.00; Toronto Engraving Co.: Zinc Engraving, 13.09 .....		111 26
National Electro & Stereo Co.: Cuts for examination papers, 8.00; Wm. McMaster: Postage stamps, 85.00 .....		93 00
Canadian Express Co.: Charges, 10.30; Toronto Railway Co.: Car tickets, 2.00 .....		12 30
Advertising: University Co., 2.00; Queen's Quarterly, 2.00; Educational Pub. Co., 2.00 .....		6 00

## LITERARY AND SCIENTIFIC (\$3,600.00).

Canadian Institute .....	Legislative grant.....	1,500 00
St. Patrick's Literary and Scientific Society..	do .....	200 00
Scientific Association, Hamilton .....	do .....	400 00
Ottawa Field Naturalists' Club.....	do .....	200 00
Ottawa University Scientific Society.....	do .....	100 00
Royal Astronomical Society.....	do .....	300 00
Ottawa Literary and Scientific Society .....	do .....	400 00
Institut Canadien .....	do .....	400 00
Wellington Field Naturalists' Club .....	do .....	100 00

## HISTORICAL SOCIETIES (\$1,700.00).

Provincial Historical Association .....	Legislative grant.....	600 00
London and Middlesex Historical Society..	do .....	100 00
Niagara Historical Society .....	do .....	100 00
do do (special).....	do .....	500 00
Lundy's Lane Historical Society .....	do .....	200 00
Wentworth Historical Society .....	do .....	100 00
Women's Historical Society .....	do .....	100 00



## EDUCATION.—Continued.

## TECHNICAL EDUCATION (\$19,527.16).

Grants:—		
Lillian Massey Training School of Household Science .....		1,500 00
Treasurer Bd. of Education, Toronto, for Technical High School .....		1,620 00
do do Hamilton, for School Domestic Science .....		296 00
do Y. W. C. A., Brantford, for Household Science .....		260 00
do Y. W. C. Guild, Toronto do .....		50 00
do School of Art, Hamilton, 300.00; Treas. Technical School Bd., Brantford, 990.00 .....		1,290 00
Sécy. Treasurer Board of Education, Kingston, 1,345.00; Renfrew, 320.04.....		1,665 04
Treasurer Public School Board: Stratford, 260.00; Brockville, 365.00.....		625 00
Toronto for Ryerson School, 425.00; Givens St., 425.00; Wellesley, 425.00; Dufferin, 425.00; King Edward, 310.00; Winchester, 300.00 .....		2,310 00
Ottawa for George St., 147.00; Bolton St., 105.00; Slater St., 414.00; Elgin St., 258.40; Cambridge St., 86.80; First Ave., 203.60; Wellington St., 97.40 Guelph, 723.00; Ingersoll, 303.00 .....		1,312 20
Treasurer High School & Collegiate Inst. Bd.—Berlin, 2,140.00; Woodstock, 484.00; Stratford, 1,045.00; Cobourg, 214.40; London, 280.00; Essex, 268.00 .....		4,431 40
Classes at Medical College for Women:—		
Treas. Med. Col. for Women: Balance students fees and use of laboratory, 100.00; M. B. Tambllyn: Services as assistant teacher, 175.00;		
Eimer & Amend: Apparatus, 200.44; Central Electric Supply Co.: Apparatus, 17.80		493 24
Kingston Summer School:—		
W. S. Ellis: Salary as Principal, 50.00; disbursements, material, etc., 83.50; Nature Study, 100.00; Prof. Marshall: Lectures, "Literature," 100.00;		
Prof. N. F. Dupuis: Lectures, "Earth, Moon & Sun," 75.00; A. R. Wilson: Lecture, "Use of School Library," 10.00; Dr. Williamson: Lectures, "Sanitation and Ventilation," 20.00; Miss Jennie Shaw: Lessons in drawing and chip-carving, 60.00; Miss Etta Adams: Lessons in construction paper work, 25.00;		
Miss Etta Sparks: Lessons in Household Science, 25.00 .....		548 50
Chatham Summer School:—		
J. W. Plewes: Services as Principal and lecturing on nature study, 75.00;		
A. M. Butchart: do Teacher Home Science, 75.00;		
E. Abram: do Drawing teacher, 35.00;		
E. M. Arnold: do Water Color teacher, 30.00;		
V. Aylesworth: do Teacher Manual Training, cardboard paper, 30.00;		
L. Green: do do do Reeds, raffia clay, 30.00;		
G. Morrison: do do blackboard drawing, 25.00 .....		300 00
Cobourg Summer School:—		
C. C. Arthur: Services as Principal, 105.10; J. Burchill: Services Asst. Prin., 105.10; Jeanie Reddick: do Teacher Domestic Science, 52.56;		
P. S. Board, Cobourg: Stationery, advertising, etc., 37.24 .....		300 00
Scholarship Course, Macdonald Institute:—		
Sarah Crysler, 50.00; R. M. Finley, 50.00; Marriett E. Huff., 50.00;		
E. B. Palmer, 50.00; Louise Short, 50.00; R. F. Blacklock, 75.00;		
C. H. Fenton, 75.00; W. J. Robinson, 75.00; C. T. Yeo, 75.00; D. J. Doyle, 75.00..		625 00
Industrial Exhibition Exhibit:—		
Jno. Ritchie Plumbing Co.: Connecting gas stove, etc., 15.36; G. Rathbone: Lumber, re Manual Training Exhibit, 2.31 .....		17 67
Mrs. Hoodless: Services re Technical Education, 600.00; travelling expenses, 101.75		701 75
Isabell Bevier: Lectures to Home Society Dept. Teachers' Assn.....		20 00
Jno. Evans: Travelling expenses re regulations .....		4 35
Books:—		
Wm. Comstock, 1.20; J. A. Carveth Co., 3.50; Taylor, Holden Co., 1.35;		
Inland Printer Co., 3.00 .....		9 05
Steinberger, Hendry Co.: Mill board, .60; Lyman Bros.: Chemicals, .99 .....		1 58
Warwick Bros. & Rutter: Printing, 11.10; L. K. Cameron: Paper, 2.57 .....		13 67
Riordon Paper Mills: Paper, 2.10; Copp, Clark Co.: Almanac for Insp. Leake, .25		2 35
Wm. McMaster: Postage stamps, 100.00; Dominion Express Co.: Charges .30 .....		100 30
D. W. Wright: Cartage, .35; Jas. Shannon: Cartage, .75; C. W. Irwin: Brokerage, etc., 2.96 .....		4 06

## EDUCATION.—Continued.

## PROVINCIAL UNIVERSITY AND MINING SCHOOLS (\$111,422.86).

## Bursar University of Toronto:—

Maintenance of Departments of Chemistry, Physics, Mineralogy and Geology for year ended June 30, 1904, (1 Ed. VII., C. 41, S. 61)	41,950 00
Transfer of money received by Provincial Treasurer during year 1903 <i>re</i> lands set apart for University of Toronto (60 Vic., Cap. 59, Sec. 4)	1,347 86
Annual grant <i>re</i> discharge of claims (60 Vic., Cap. 59, Sec. 7)	7,000 00
Grant <i>re</i> Agriculture Examinations Degree B. S. A.	425 00
H. H. Langton, Treas. University of Toronto studies: Grant, printing historical and economic papers	600 00
L. Salter: Twelve months' salary as Matron women's department	600 00
School of Mining, Kingston:—	
Grant for erection of buildings (1 Ed. VII., Chap. 44, Sec. 11)	22,500 00
do for equipment, 7,500.00; Grant for maintenance, 29,500.00	37,000 00

## MAINTENANCE EDUCATIONAL BUILDINGS (\$9,512.13).

W. J. McCleary: Twelve months' salary as Carpenter	600 00
W. Cross: Services as night fireman, 46.00; J. B. Devins: Services as fireman, 135.00	181 00
P. Wilkins: do fireman, 21.00; G. Robinson: do do 45.00	66 00
Work on Grounds:—H. Blunt at 8.00 per week, 459.42; W. Layng at 9.00 per week 175.25	634 67
F. Morse: Assisting janitor, 60.00; Pay lists: Wages of men, 391.43	451 43
Consumers' Gas Co.: Gas, 104.24; Water Works Department, 676.37	780 61
Toronto Electric Light Co.: Light current, 486.63; power current 2.50	489 13
Knickerbocker Ice Co.: Ice, 5.00	5 00
Fuel:—Wm. McGill & Co.: 336-75 tons grate coal at 6.00, 2,016.24; 15½ tons stove coal at 6.20, 96.10; 54-1575 tons egg coal at 6.20, 339.70; bagging at .25 per ton, 4.46; Jas. H. Milnes: 32-875 tons soft coal at 6.15, 199.50; 17-1700 tons soft coal at 5.40, 96.39; 14½ cords pine at 3.90, 56.55; 11 cords slabs at 8.75, 53.35	2,456 50
F. D. Macfie & Co.: 10.50 tons egg coal at 7.00	70 18
Chas. Rogers Furniture Co.: furniture, 310.00; T. Eaton Co.: stools, carpet, wall paper, etc., 116.95	426 93
Jno. Kay Son & Co.: desk, 20.00; J. & J. L. O'Malley: Repairing chairs, 15.00	35 00
M. Brown: Repairing chairs, 4.55; W. A. Murray & Co.: rug, 3.50	8 05
Pleiffer & Hough Bros.: Cleaning carpets, 26.39; R. P. Powell: Cleaning carpets, 5.66	32 05
Gourlay, Winter & Leeming: Tuning pianos, 5.00; cartage, 9.00	14 00
Mason & Risch Piano Co.: Tuning pianos, 3.50; Ambrose Kent & Son: Clock, 20.00; care of clocks, 60.00	83 50
Fletcher Mfg. Co.: Furnishings 39.10; T. Eaton Co.: Furnishings, 131.78	170 88
United Factories: Brush .18; R. Simpson: Shades, 15.75	15 93
Mackenzie & Co.: Pictures, framing, etc., 37.00; A. Petersen: Framing pictures, 10.00	47 00
Jos. B. Thomson: Painting, etc., 156.15; C. Davis & Co.: Painting, etc., 132.00	294 15
F. Cuthbert: Papering, 10.60; W. M. Haynes: Plastering, 7.20	17 80
Woltz Manufacturing Co.: Moulding, 15.57; Geo. McFarlane: Step ladder, 2.00	17 57
Steinberger, Hendry & Co.: Blackboard, 27.84; Map & School Supply Co.: Liquid slating, 4.00	31 84
Can. Electric & School Supply Co.: Liquid slating, 4.50; McColl Bros. & Co.: Floor oil, 11.50	16 00
Toronto Floor Oil Co.: Floor oil, 3.85; J. B. Smith & Sons: Lumber, 303.34	307 19
Nicholson & Curtis: Stone manhole, 6.00; F. Holmes: Cement and sand, 3.00	9 00
W. Maguire: Brick, cement, etc., 55.25; W. J. Hynes: Repairing cornice, 11.99	67 24
Geo. Ringham: Tinsmithing, 134.15; clearing snow from roof, 124.25	258 40
Dominion Radiator Co.: Repairing radiators, etc., 60.17; Earsman Bros.: Plumbing, etc., 19.20	79 37
Jas. Robertson Co.: Castings, etc., 60.14; Chemical Compound Co.: Boiler compound, 18.00	78 14
Aikenhead Hardware Co.: Hardware, 106.15; G. Brimstin: Keys, .50	106 45
Shipway Iron Bell & Wire Works: Repairing bells, 18.85; Toronto Electric Light Co.: Switches, 11.40	30 25
J. Aldridge: Repairing drains, 42.15; Eureka Mineral Wool & Asbestos Co.: Gaskets, etc., 8.76	50 91
Purdy, Mansell Co.: Castings, etc., 17.30; R. Jeffery: Boiler compound, 18.00	35 30
W. R. Dennick & Co.: Iron plate, 2.00; Geo. Pearsall: Tools, 2.25	4 23

## EDUCATION.—Continued.

## MAINTENANCE EDUCATIONAL BUILDINGS.—Continued.

McDonald & Willson: Electrical supplies, 7.01; Bennett & Wright: Repairing gas heater, 1.63	8 64
L. McCorkindale: Attendance in Public Hall, 17.00; W. J. Lemon: Attendance in Hall, .50	17 50
C. T. Smith: decorating hall, 17.50; Manton Bros.: Christmas trees, 1902-3, 8.00	25 50
Steele, Briggs Seed Co.: Plants, 14.40; Brown Bros. Co.: Trees, vines, etc., 21.75	36 15
W. J. Lawrence: Plants, loam, etc., 235.30; Wm. Rennie: Seeds and plants, 140.45	375 75
W. T. White: Seeds, plants, etc., 2.00; E. Grainger Co.: Plants, 2.60	4 60
G. H. Hazzard: Plants, 3.00; J. Sercombe; Sod, 36.25; G. Pearsall: Tools and repairs, 21.43	60 68
C. R. Farrow: Repairing tools, 7.55; Aikenhead Hardware Co.: Lawn mower, 19.38	26 93
F. Spooner: Salt for grounds, .20; Joss, Feigehar: Manure, 1.50	1 70
M. J. Doran: Fertilizer, 28.00; B. Cornachie: Cartage manure, 1.00	29 00
J. Feiginan: Smithy sweepings and manure, 3.00; C. P. Ry.: Freight charges on plants, 3.89	6 89
Dominion Express Co.: Charges on trees, .60; Can. Express Co.: Charges on trees, .30	90
W. J. Pickard: Cartage on trees, .50; Toronto Ry. Co.: Car fares <i>re</i> grounds, 1.00	1 50
R. Pettigrew: Repairing messenger's bicycle, 2.00; W. Roy: Clearing snow, 2.00	4 00
Supplies for Cleaning:—	
R. Gilpin, 25.00; T. Williamson, 25.00; Bella Simpson, 25.00; L. McCorkindale, 50.00; McColl Bros., 12.45; Union Petroleum Co., 26.95	164 40
T. Williamson: Washing towels, 19.00; L. McCorkindale: Washing towels, 16.00; paste, 5.00	40 00
Sundry charwomen wages, 236.00; J. Falvey: Cartage, 77.50	313 50
City Treasurer, scavenger tickets	17 00

## MISCELLANEOUS (\$4,917.63).

Justice Street: Honorarium and travelling expenses <i>re</i> dispute Windsor Sep. School	327 50
R. H. Cowley: Arbitrators expenses <i>re</i> Altercation Twps. Osgoode & Mountain	172 86
W. C. Perry: Respondents costs <i>re</i> Arbitration, 15 Arthur, etc., and 9 Arthur W.	142 64
W. C. Perry & Wm. Kingston: Bill of costs <i>re</i> arbitration, Luther, etc.	167 67
D. O'Connell: Counsel fee Gratton vs. Ottawa S. S. Trustees	100 00
Dominion Teachers' Association: Grant	300 00
Librarian University of Toronto, 150 copies Review Historical Publications	75 00
Warwick Bros. & Rutter: Printing and binding:—	
General Registers, 210.95; University Report, 44.70; Public School Registers, 217.50; Education Report, 80.20;	
Archæological Report, 113.90; Documentary History, 700.70; Regulations, 535.30	2,503 25
Riordon Paper Mills: Paper for regulations, 431.06; University report, 85.30; paper, 1.53	518 43
L. K. Cameron: Paper, 360.97; stationery, 118.40; paper for Archæological Report, 126.00	605 37
D. Clapp: Postage on school acts, etc., 1.85; Thompson Engraving Co.: Zinc map, 2.80	4 65
Dominion Express Co.: Express charges	80

## SUPERANNUATED TEACHERS (\$64,259.75).

Allowance to Teachers for 1903, see Public Accounts	63,204 25
Less allowance in above statement to teachers since deceased.	
C. H. Ashdown, 203.00; B. M. Brisbin, 145.50; W. J. Black, 168.50;	
P. Clarke, 153.00; V. A. Coleman, 143.00; B. Daly, 227.00;	
Robt. Grant, 154.00; Thos. Gilbert, 152.00; Alex. Kennedy, 176.00;	
C. Kennedy, 107.00; Seth Lyons, 173.00; G. H. McIntyre, 181.50;	
Alex. J. McPhee, 179.00; Robt. McWhorter, 83.50; E. W. Pillar, 189.00;	
Rev. R. Rooney, 134.00; Jas. Scott, 142.50; C. Shortt, 164.50;	
Wm. Stiver, 94.00; C. J. Taylor, 122.00; H. Whitcomb, 170.00;	
Frank Wood, 229.00	
Less difference between grants 1903 over 1904:	
Wm. Rennie, 2.00; T. Q. McGory, 79.50	3,572.50

EDUCATION.—Continued.

SUPERANNUATED TEACHERS.—Continued.

Add new allowances for 1904:—

Robt. Alexander, 335.50;	Wm. Bell, 251.50;	David Bell, 122.00;
Jas. W. Connor, 276.00;	Jas. A. Davis, 162.00;	J. W. Dafoe, 137.50;
Wm. Goodbody, 182.00;	T. Q. Grey, 79.50;	R. D. Hall, 419.25;
Hy Husband, 444.25;	M. E. F. Hanson, 227.00;	Jos. Latter, 234.00;
Thos. Moore, 280.00;	David Mills, 216.50;	Jas. Wm. Morgan, 117.00;
Geo. H. McIntyre, 181.50;	C. S. McMain, 135.25;	Jno. Rabb, 107.75;
David Smith, 167.50;	E. A. Wilkins, 119.50;	Mary Weatherston, 157.00;

Add difference between grants 1904 over 1903:—

L. L. McFaul, 1.50;	Wm. Noble, 2.00;	H. H. Reid (arrears) 200.50;	
J. Geo. Rose, 55.50			4,612 00

Dr. A. McPhedran: Medical examinations of applicants..... 16 00

.. 64,259 75

Total Education ..... 949,206 78

PUBLIC INSTITUTIONS MAINTENANCE.

PUBLIC INSTITUTIONS MAINTENANCE.

ASYLUM FOR INSANE, TORONTO.

SALARIES (\$35,739.51).

Daniel Clark, M.D.: Twelve months' salary as	Medical Superintendent	2,000 00
W. K. Ross, M.D.: do	Assistant do	1,300 00
J. C. Mitchell, M.D.: Nine do	do Physician	787 50
W. J. Harris, M.D.: Three do	do do	262 50
Wm. Tracy: Six do	Bursar (including rent allowance)	900 00
Jas. Corcoran: do	do do	800 00
F. O. Loft: Twelve do	Bursar's Clerk (including board allowance)	1,037 50
Mark Keilty: Six do	Storekeeper ( do )	541 00
J. F. Dwyer: do	do	450 00
B. Winnifrith: Twelve do	Steward	800 00
Jas. Barrie: do	Trades Instructor	550 00
Alex. MacKenzie: do	Tailor (board)	600 00
Robt. McCammon: do	Baker ( do )	525 00
Thos. Hughes: do	Carpenter	600 00
Jas. Anthony: do	do	550 00
Jno. Simons: do	Painter	575 00
Jno. Daly: do	Bricklayer and Mason	625 00
Jas. E. Noble: do	Engineer	800 00
Jas. Young: do	Assistant Engineer	400 00
C. F. Arnott: do	Gardener (Farm)	532 00
W. P. Strickland: do	do (Flower) (board)	475 00
W. J. Dundas: Eight do	Attendant and Messenger	200 00
Wm. Clarkson: Four do	do	98 00
F. J. Dundas: Twelve do	Engine Driver	360 00
Stokers (2): do	do	576 00
Jas Burrow: Five do	Porter	125 00
Jos. McCallum: Three do	do	58 76
Geo Maguire: Four do	do	100 00
Night Watchmen (4) Twelv	do	1,084 76
Edward McGuire: do	Chief Attendant	450 00
Richard McCreary: do	Supervisor and Nurse	400 00
Male Supervisors (8): do	do	2,834 88



## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, TORONTO.—Continued.

## SALARIES.—Concluded.

Male Attendants (19): Twelve months' salary .. .. .		4,700 53
Eliza Corley: do	Matron .. .. .	500 00
Mary McKinley: do	Assistant Matron .. .. .	300 00
K. P. McMillan: Four do	Trained Nurse .. .. .	80 00
Isabel Jackson: do	do .. .. .	48 00
M. J. Howie: Twelve do	Musical Directress .. .. .	240 00
Eva M. Cuthbertson: do	Portress and Stenographer .. .. .	225 00
Annie McWilliam: do	Seamstress .. .. .	168 00
Night Nurses (4): do	.....	583 76
Female Supervisors (8): do	.....	1,708 14
Nurses (20): do	.....	3,110 97
Laundresses (7): do	.....	1,224 51
Cooks (6): do	.....	946 57
Maids (4): do	.....	506 13

## EXPENSES (\$76,961.34)

Aikenhead Hardware Co.: Locks, 24.50; scissors, 5.84; hardware sundries, 7.55	37 89
Allen S.: Vinegar, 205 gals., 44.78; barrels, 7.25 .. .. .	52 03
Subscriptions: <i>American Journal of Insanity</i> , 5.03; <i>Alienist and Neurologist</i> , 5.00	10 03
American Medico Psychological Assn.: Dues (2 years) .. .. .	10 03
Burns P. & Co.: Coal contract, stove 208 tons, 1,980 lbs., at 6.12, 1,279.02; nut, 159 tons, 90 lbs. at 6.12, 973.36; soft screenings, 300 tons, 1,200 lbs. at 4.25, 1,277.55; soft lump, 509 tons, 360 lbs. at 5.25, 2,673.20; cord wood, 75 cords at 6.75, 506.25	6,709 38
Beardmore Belting Co.: Leather belting, 100 ft., 14.40; laces, 4.80 .. .. .	19 20
Beardmore & Co.: Shoe leather, 1,622 lbs., 409.90; tacks, rivets, thread, needles, &c., 49.77 .. .. .	459 67
Bigley, R.: Repairs, etc., 11.15; Brown Bros.: Stationery, 10.00 .. .. .	21 15
Byron, R. J.: Perforated seats, 20 doz., 28.00; window shades, 7.00 .. .. .	35 00
Butler, Jas.: Yarn, 400 lbs., 215.00; Bain Book & Stationery Co.: Subs. magazines, journals, etc., 41.15 .. .. .	256 15
Bonner, Jos.: Disinfectant, 40 gals., 100.00; roach powder, 50 lbs., 25.00 .. .. .	125 00
Bell Tel. Co.: Messages, 2.55; repairs, 4.30 .. .. .	6 85
Bursar: To pay sundry items .. .. .	51 58
Cressman, A. W.: Ticking, 600 yds., 120.00; flannelette, 221 yds., 19.91 .. .. .	139 91
C. P. Industries: Blankets, 1,177 lbs., 505.75; tweed, 1,084 yds., 566.90 .. .. .	1,072 65
Can. Oil Co.: Benzine, 47 gals., 10.96; packing, 12 lbs., 8.40; gaskets, 6 lbs., 5.20; laces, 5 lbs., 3.50; whiting, 1 bbl., 2.98; belt dressing, 10 lbs., 3.50; engine oil, 50 gals., 18.85 .. .. .	53 39
Crawford, Jas.: Balance 1903 potato contract, 150 $\frac{1}{2}$ bus., at .70 .. .. .	105 53
Campbell, A.: Bran, 12 tons, 174.00; Canada Biscuit Co.: Biscuits, 10.08 .. .. .	184 08
China Hall Co.: Fruit jars, 12 gro. 96.00; tumblers, 10 doz., 8.00; plates, 50 doz., 36.25; jugs, 6 doz., 15.00; bowls, 11 doz., 7.37; chambers, 2 doz., 6.40; sundries, 7.15 .. .. .	176 17
Carolan, J.: Bran, 14-770 tons, 244.52; corn meal, 2-190 tons, 42.31 .. .. .	286 83
Cameron, L. K.: Paper and stationery, 146.69; Chandler & Massey: Surgical appliances, etc., 214.82 .. .. .	361 51
Can. General Electric Co.: Electrical supplies, 78.78; Consumers Gas Co.: Gas, 3,118.17	3,196 95
Carbery, J.: Hay, 12-853 tons, 129.44; Corcoran, Jas.: Trav. expenses, 15.30 .. .. .	144 74
Subscriptions: <i>Can. Churchman</i> , 3.00; <i>Can. Laundryman</i> , 3.00; <i>Can. Grocer</i> , 2.00 .. .. .	8 00
Clark, D. M.D.: Balance <i>re</i> table allowance, 164.34; allowance <i>re</i> furniture and furnishings, 82.59 .. .. .	246 93
Doyle, The M., Fish Co.: Fish, 15,795 lbs., 1,263.60; herring, 1 bbl., 6.00 .. .. .	1,269 60
Dom. Radiator Co.: Castings, etc., 30.25; Duck, R. F.: Hay, 95-800 tons, 958.02 .. .. .	988 27
Dineen, W. & D. Co.: Straw hats, 20 doz., 60.00; Men's caps, 10 doz., 45.00 .. .. .	105 00
Donnelly, G. M., Jr.: Hay, 2-970 tons, 19.88; Dwyer, J. F.: Services as clerk, Bursar's office, 291.85 .. .. .	311 73
Eby, Blain Co.: Sugar, 43,580 lbs., 1,913.70; tea, 4,964 lbs., 1,241.00; table salt, 3 bbls., 8.80; biscuits, 108 lbs., 24.18; starch, 1,090 lbs., 74.03; jelly tablets, 3 doz., 3.00; chocolates, 100 lbs., 12.00; blueing, 50 lbs., 7.00; currants, 804 lbs., 49.42; sal soda, 11,250 lbs., 99.38; corn starch, 980 lbs., 58.40; tapioca, 1,713 lbs., 64.09; syrup, 4,948 lbs., 143.44; rice, 5,063 lbs., 196.64; paper bags, 6.80; candles, 36 lbs., 4.32; sundries, 45.23; pearlina, 8 cases, 31.20 .. .. .	



## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, TORONTO.—Continued.

## EXPENSES.—Continued.

raisins, 620 lbs., 56.55;	sago, 1,842 lbs., 76.29;	cod fish, 800 lbs., 52.50;	
canned vegetables, 58 doz. cans, 63.00;	Macaroni, 45 lbs., 3.35;	sardines, 50 lbs., 7.50;	
extracts, 4 doz., 16.00;	chicken soup, 4 doz., 8.00;	tobacco, 65 lbs., 27.55;	
saucers, 2 doz., 13.25;	pails, 4 doz., 8.80;	herring, 1 bbl., 6.50;	asst. peel, 84 lbs., 10.40;
nutmegs, 10 lbs., 7.50;	molasses, 29 gals., 10.15		4,349 97
Eckardt, H. P., & Co.: Sugar, 12,245 lbs., 572.72;		starch, 240 lbs., 16.80;	
currants, 602 lbs., 43.20;	tobacco, 54 lbs., 22.98;	matches, 1 case, 4.50;	
sundries, 5.51;	raisins, 340 lbs., 24.98;	assorted peel, 42 lbs., 5.92	696 61
Eddy, The E. B. Co.: Pails, 3 doz., 5.26;	matches, 1 case, 4.00		9 26
Edmison, H. H.: Drugs & chemicals			32 25
Flett, Lowndes & Co.: Linen thread, 13 lbs., 25.85;		hair cloth, 25 yds., 6.75;	
canvas, 150 yds., 20.26;	Italian, 28 yds., 18.36;	silesia, 34 yds., 5.61;	
Holland, 137 yds., 21.92;	scarlet cloth, 1½ yds., 3.75;	buttons, 28 gro., 30.13;	
cotton, 131 yds., 11.11;	sundries, 12.84		156 58
Fairles Milling Co.: Rolled oats contract, 100 bbls. at 3.85, 385.00;	split peas contract, 21 bbls. at 4.60; 96.60		481 60
Foy, Geo. J.: Spirits for medicinal purposes, 6.30;	Fowler, J. B.: Services clerk Bursar's office, 262.00		268 30
Frizell, W.: Printing, etc., re religious services, 10.00;	Fleischmann & Co.: Yeast, 314 lbs., 94.20		104 20
Gowans, Kent & Co.: Cups, 30 doz., 13.50;	bowls, 20 doz., 13.40;	jugs, 4 doz., 12.00;	
plates, 10 doz., 7.00;	chambers, 4 doz., 12.80;	ewers, 2 doz., 7.20;	saucers, 26 doz., 6.24;
bakers, 10 doz., 7.00;	china, glassware, etc., 13.93		93 07
Godden, C. P.: Mop cloth, 41.76;	jute, 49 lbs., 4.17;	nails, 3 kegs, 8.75;	
castor oil, 2 gals., 3.00;	Yale lock, 4.00;	shears, 3 prs., 4.00;	iron, hardware, etc., 60.50;
Japan, 10 gals., 10.00;	basins, 1 doz., 15.00;	castings, etc., 94.10;	iron pipe, 111 ft., 8.88;
stair rods, 12.00;	granite pans, 10.50;	scoops, 1 doz., 15.00;	packing, 15 lbs., 19.70;
wrenches 2, 7.00;	boiler, 15.00		333 36
Gutta Percha & Rubber Mfg. Co.: Gaskets, 8 lbs., 5.76;	packing, 14 lbs., 8.45;		
hose, 50 ft., 6.75;	sundries, 8.32		29 28
Gadsby & Peer: Straw, 12-1170 tons, 87.48;	Gurney Foundry Co.: Repairing range, 11.46		98 94
Grant, Hamilton Oil Co.: Sperm oil, 54 gals., 54.50;		cyl. oil, 49 gals., 32.18;	
engine oil, 50 gals., 22.50;	Japan, 10 gals., 12.50;	boiler compound, 1 bbl., 51.40;	
sundries, 3.10;	varnish, 5 gals., 20.00;	parafine wax, 103 lbs., 9.78	205 96
Globe Printing Co.: Subs. (2), 10.00;	Grenadier Ice & Coal Co.: Ice, 414 tons, 323.30		333 30
Gripton, C.: Indelible ink, 2 qts., 17.60;	G. T. Railway Co.: Freight charges, 12.81		30 41
Grant, J.: Expenses recovering eloper, 10.01;	Golden, H.: Livery hire, 5.00		15 01
Henry & Co.: Canned vegetables, 90 doz. cans, 99.30;	Hillock, Jno., & Co.: Refrigerator, 15.75		115 05
Higgins, W. R. G.: Locks, 168.00;	sash cord, 50 lbs., 20.00;	razors, 1 doz., 9.00	
knives & forks, 5 doz., 12.00;	cuspidors, 4 doz., 12.00;	turpentine, 43 gals., 35.98;	
raw oil, 44 gals., 21.12;	alabastine, 300 lbs., 19.50;	putty, 205 lbs., 5.13	303 73
Hunter, Moses: Shorts, 823 lbs., 8.23;	oats, 163 bus., 55.80;	barley, 21 bus., 10.07;	
straw, 12-960 tons, 77.85;	wheat, 62 bu., 40.33;	bran, 15-970 tons, 275.90;	
chopped oats, 6-490 tons, 131.15			599 33
Howland, H. S., Sons & Co.: Tea spoons, 10 doz., 7.00;	carvers, 12 pr., 11.40;	screws, 9.36;	
wire nails, 2 kegs, 5.10;	files, 4 doz., 9.24;	iron, hardware, etc., 70.07;	
packing, 66 lbs., 10.56;	rope, 200 ft., 6.10;	spades & shovels, 3 doz., 32.35;	
wheelbarrows, 6.00;	carpet sweepers, ½ doz., 12.00		179 18
Harris Abattoir Co.: Pork, 24,657 lbs., 1,806.85;	Hunter, R.: Purchase of meat, 12,997.65		14,804 50
Hayhoe, R. B., & Co.: Tea, 428 lbs., 122.00;	Hudgin, A.: Postage stamps, 78.00		200 00
Hurd, H. E., V.S.: Professional services & medicines, 20.00;	Hobbs Hardware Co.: Disinfectant, 65 gals., 63.84		83 84
Hart & Riddell: Engraving die, 6.00;	Hyatt, A.: Currants, raspberries, pears, etc., 374.00		380 00
Inglis, Jno., & Co.: Castings, repairs to boilers, etc			122 88
Johnston, J. A., & Co.: Drugs & chemicals, 154.92;	Johnson, Wm.: Horseshoeing, 53.54		208 46
Jaynes Electrical Co.: Station dials			10 13
Knickerbocker Ice Co.: Ice			75 74
Kent, Ambrose & Sons: Spectacles, 7½ doz., 22.50;	clock, 4.00;	tea pot, 7.25	33 75
Lott, Byron O.: Honey, 590 lbs., 53.10;	Lytle, T. A., & Co.: Pickles, 7.86		60 96
Lawrence, J. W.: Drugs & chemicals, 187.28;	postage stamps, 24.00		211 28

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, TORONTO.—Continued.

## EXPENSES.—Continued.

Lawrason, S. F. & Co.: Powder ammonia, 3,249 lbs. ....	494 94
Murray, W. A. & Co.: Felt, 20 yds., 15.00; sateen, 246 yds., 59.32; scrim, 21 yds., 4.62; muslin, 297 yds., 84.41; cretonne, 101 yds., 30.38; denim, 36 yds., 11.73; table linen, 15 yds., 18.00; gingham, 396 yds., 79.20; sundries, 2.20; serge, 30 yds., 15.00; fringe, 146 yds., 10.75; shirting, 41 yds., 6.97	337 58
Mitchell, F. J. R.: Tea, 500 lbs., 125.00; May, S. & Co.: Bowling alley, pins & balls, 28.00	153 00
Mercer Reformatory: Clothing, making shirts, etc., 24.25; Madill, W.: Drugs & chemicals, 30.25	54 50
Mason, E. F., & Co.: Rice, 896 lbs., 33.60; tapioca, 633 lbs., 25.32; sago, 536 lbs., 24.12; pepper, 200 lbs., 43.00; mustard, 12 jars, 10.20; corn starch, 200 lbs., 14.00	150 24
Moore, Wm., & Son: Apples, 9 bbls., 21.00; apricots, 350 lbs., 37.88; sundries, 16.21; prunes, 5,550 lbs., 389.94; evap. peaches, 500 lbs., 50.00; berries, 171.67; bananas, 7.50; cherries, 31.25; lemons, 4.75; melons, 64.50; pineapples, 20 doz., 45.00; peaches, 60 baskets, 51.00; crab apples, 6 bbls., 21.00	911 70
Metropolitan Soap Co.: Laundry soap, 9,275 lbs., 463.75; Murphy, W. K.: Interments, 8.00	471 75
Matthews, F.: Smoking hams, 14.60; Matthews Bros.: Mantel mirror & top, 19.50	34 10
Miles, A. W.: Interments, 8.00; Might Directories: Directories (2), 12.00	20 00
Mason & Risch Piano Co.: Tuning pianos, 14.50; Mail Ptg. Co.: Subs. (2 copies), 8.00	22 50
Macdonald, Jno., & Co.: Ties, 8.70; towels, 27 doz., 49.00; denim 709 yds., 120.40; cotton, 3,134 yds., 296.93; serge, 123 yds., 205.88; lining, 112 yds., 13.87; towelings 1124 yds., 189.67; tape, 15 gro., 15.00; flannel, 2,643 yds., 279.86; pillow cotton, 210 yds., 26.54; print, 881 yds., 91.52; spools, 14 gro., 75.60; dress goods, 39 yds., 14.53; buttons, 6.50; shirting, 1,744 yds., 191.50; sundries, 55.19; sheeting, 2,345 yds., 520.26; braces, 10 doz., 20.00; laces, 14 gro., 15.30; cheese cloth, 356 yds., 15.14; mole, 39 yds., 19.50; frilling, 12 yds., 5.40; sateen, 68 yds., 8.50; tabling, 458 yds., 187.15; muslin, 513 yds., 113.19; socks, 20 doz., 45.00; batting, 6 bales, 37.50; linen, 916 yds., 144.30; quilts (4), 16.00; mitts, 10 doz., 30.00; napkins, 4 doz., 8.00; ticking, 457 yds., 82.17; duck, 52 yds., 7.62	2,914 72
McMahon, Broadfield & Co.: Ewers, 1 doz., 3.80; jugs, 4 doz., 14.40; chambers, 2 doz., 6.40; crates, 1.00	25 60
McCann, Wm., Milling Co.: Chop feed, 11 tons, 230.28; pea meal, 11½ tons, 276.06; barley, 53½ bus., 26.61; oats, 86 bus., 31.89; wheat, 11½ bus., 7.94; bran, 1-1960 tons, 32.67; straw, 10 tons, 70.40	675 85
McWilliam & Everist: Lemons, 6.00; cranberries, 1 bbl., 9.50; apples, 5 bbls., 11.25; oranges, 5 boxes, 16.25	43 00
McLaughlin, M. & Co.: Flour contract, 411 bbls. at 3.55, 1,459.05; 739 bbls. at 3 7/8, (16c. additional), 2,741.69	4,200 74
Mackenzie & Co.: Framing pictures, 6.50; McKay, Alex.: Services temporary baker, 30.00	36 50
Nisbet & Auld: Tweed, 354 yds.	323 54
Nelson, H. W. & Co.: Brooms, 45 doz., 120.15; playing cards, 6 doz., 7.20; fibre pails, 6 doz., 28.00; sundries, 9.52; combs, 2 gro., 15.00; brushes, 4 doz., 10.00; mirrors, 5.25; whisks, 3 doz., 5.06	200 18
Ontario Rubber Co.: Hospital sheets, (24) 46.80; jar rings, 10 gro., 3.50; hose, 50 ft., 6.25	56 55
Ormond & Walsh: Drugs & chemicals	31 10
Park, Blackwell Co.: Creamery butter contract, 21,542 lbs. at .20½	4,416 14
Pugsley, Dingman & Co.: Laundry soap, 1,267 lbs., 250.68; blueing, 5 lbs., 6.50; borax, 100 lbs., 5.00	262 18
Queen City Oil Co.: Sperm oil, 25 gals., 36.21; coal oil, 44 gals., 8.06; parafine wax, 100 lbs., 7.00	51 27
Ryan, The Wm., Co.: Creamery butter contract, 1,120 lbs. at .20 7/8, 233.80; eggs, 4,154 doz., 880.78; turkey, 1,027 lbs., 184.86; geese, 512 lbs., 61.44; chickens, 182 lbs., 20.02; cheese, 2,490 lbs., 253.96; sausage, 2,100 lbs., 160.00; salt, 60 bbls., 90.00; marmalade, 1,638 lbs., 107.81; ass't'd jam, 169 lbs., 10.92; corn meal, 14 bbls., 56.50; pot barley, 25 bbls., 113.75; sundries, 7.90; evap. apples, 1,500 lbs., 100.00; maple syrup, 52 gals., 52.00; beans, 40 bus., 62.89; table salt, 7 bbls., 20.25; pickles, 6 doz., 9.00; bacon & ham, 163 lbs., 21.44; lard 100 lbs., 9.00	2,456 32
Rutherford, Marshall & Co.: Butter contract, 6,426 lbs. at .16½	1,076 35
Rogers Furniture Co.: Secretary, 12.00; Morris chair, 10.75; centre table, 10.75; sundries, 1.35; tow, 275 lbs., 11.00	45 85
Rogers, Elias, Co.: Coal contract, grate, 1,007 tons at 5.92, 5,961.44; soft screenings, 215 tons at 3.05, 655.75	6,617 19

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, TORONTO.—Concluded.

## EXPENSES.—Concluded.

Robertson, The Jas., Co.: Castings, repairs, etc., 119.37; Rathbone, G.: Sawdust, 55 bbls., 5.50 ..	124 87
Rogers, Chas., & Sons Co.: Tow, 275 lbs., 11.00; twine, 20 lbs., 7.00; webb, 5 pieces, 6.00	24 00
Rennie, W.: Seeds, bulbs, etc., 28.00; Ritchie, Jno.: Hay, 6½ tons, 66.21 ..	94 21
Sullivan, J. C.: Tea, 500 lbs., 125.00; Sumbling, W. H.: Refg. steam cookers, 26.40 ..	151 40
Sundry newspapers: Advertising <i>re</i> supplies, 135.60; <i>re</i> fuel, 80.50 ..	216 10
Sutcliffe, J., & Sons: Cotton, 916 yds., 86.71; sheeting, 915 yds., 105.22 ..	191 93
Swan Bros.: Coffee, 600 lbs., 134.90; pearline, 6 cases, 23.40; paper, 2 reams, 6.66; pickles, 2 doz., 7.00; sapolio, 2 cases, 5.50; baking powder, 240 lbs., 60.00; sago, 531 lbs., 21.24; raisins, 140 lbs., 9.80; biscuits, 27.54; salmon, 1 case, 7.00; cocoanut, 50 lbs., 7.50; extracts, 13 doz., 29.25; sundries, 19.50; pepper, 100 lbs., 20.00; cinnamon, 10 lbs., 4.00 ..	383 29
Stewart & Wood: Varnish, 5 gals., 8.75; white lead, 1,059 lbs., 48.72; paints & oils, 47.25; alabastine, 200 lbs., 13.00; shellac, 5 gals., 12.50; whiting, 420 lbs., 4.20 ..	134 42
Sanderson & Rossiter: Brooms, 2 doz., 10.00; scrubs, 16 doz., 23.20; sundries, 4.70; shoe brushes, 1 doz., 2.75; Kalso brushes, 2 doz., 18.00 ..	58 65
Smith, J. B. & Sons: Dressed pine, 1,018 ft., 86.53; lumber, 5,663 ft., 206.32; quarter round, 1,000 ft., 15.00 ..	307 85
Stewart, J. J.: Hay, 36½ tons, 427.53; Skean Jas.: Hay, 30½ tons, 360.47 ..	788 00
Steele, Briggs Seed Co.: Seeds, bulbs, etc., 91.41; Lawn mower, 13.00 ..	104 41
St. Michael's Cathedral: Cab hire <i>re</i> religious services ..	150 00
Toronto Coffee & Spice Co.: Coffee, 550 lbs., 137.50; pepper, 200 lbs., 39.50; ginger, 10 lbs., 2.50; baking powder, 200 lbs., 36.00 ..	215 50
Turnbull, J. C. & Co.: Sheeting, 1,325 yds., 315.19; Turner & Porter: Interments, 24.00	339 19
Toronto Laundry Mach'y Co.: Repairs to mach'y, 38.00; laundry mach'y 115.00 ..	153 00
Taylor, Jno. & Co.: Toilet soap, 201 doz., 90.00; laundry soap, 10,047 lbs., 401.88 ..	491 88
Timpson, G. J.: Music supplied, 132.00; Toronto Railway Co.: Car tickets, 113.64	245 64
Toronto Electric Light Co.: Electric light, 860.01; repairs, 7.10 ..	867 11
Toronto Elevator Mfg. Co.: Regg. elevator, 7.00; Toronto Hardware Mfg. Co.: Grates, 26.00 ..	33 00
Vance & Co.: Potato contract, 2,379 bus. at .69 ..	1,641 59
Warren Bros. & Co.: Sugar, 3,084 lbs., 139.71; Warwick Bros. & Rutter: Printing and binding, 118 55 ..	258 26
West Chemical Co.: Disinfectant, 44 gals., 44.00; Winnifrith, B.: Admissions to circus, 25.00 ..	69 00
Whillans, R. & Co.: Fire bricks, 1,000, 35.00; fire clay, 1,000 lbs., 10.00; cement, 11 bbls., 30.25; lime, 3,000 lbs., 11.00; gravel, 4 yds., 3.50; sand, 2.50; sundries, 8.00	100 25
Wheeler & Bain: Iron, 103 lbs., 13.91; solder, 40 lbs., 9.40; lanterns, 1 doz., 13.00; galvanized iron, 24 sheets, 27.00; tin, 27.60; iron, tinware, etc., 5.95 ..	96 86
Wilson, C. & Son: Rep'g. scales, 12.20; Williams, A. F.: Mach'y. Co.: Valve re-seating machine, 40.00 ..	52 20
Wicks, S.: Apples, 20 bbls., 42.50; hay, 2-1320 tons, 27.93 ..	70 43
Water Works Dept.: Water, 2,155.83; Wells, Josephine: Dentistry, 323.50 ..	2,479 33
York Mfg. Co.: Duck, 108 yds., 74.52; repairs, 10.40 ..	84 92
Sundry persons: Accounts unenumerated under 10.00 ..	58 92
W. J. Harris, M.D.: Services as relieving officer, 44 days ..	119 56

## ASYLUM FOR INSANE, LONDON.

## SALARIES (\$43,950.80).

G. A. McCallum, M.D.: Twelve months' salary as Medical Superintendent	2,000 00
H. E. Buchan, M.D.: do Assistant do	1,300 00
R. W. Bell, M.D.: Ten and one-fourth do First Asst. Physician ..	941 04
P. Macnaughton, M.D.: Twelve do do ..	971 67
W. T. Wilson, M.D.: One and three-fourths do Second do ..	137 21
C. A. Sippi: Twelve months' salary as Bursar ..	1,400 00
David Rodger: do Bursar's Clerk ..	800 00
D. MacKenzie: do Storekeeper ..	1,000 00



## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, LONDON.—Continued

## SALARIES.—Continued.

N. K. Wanless: Twelve months' salary as Assistant Storekeeper .....	600 00
Jas. B. Duff: do Baker .....	433 32
F. H. Bailey: Two do Assistant Baker .....	36 00
Geo. Thurling: Twelve do Butcher .....	360 00
Alex. Macfie: do Engineer .....	740 00
Geo. Ross: do 1st Asst. Engineer .....	400 00
Andrew Dick: do 2nd do (lunch) .....	420 00
Wm. England: do Laundryman .....	300 00
A. A. Boston: do Engineer .....	360 00
Stokers (7): do .....	1,768 26
Jno. A. Stewart: do Carpenter .....	550 00
Fred. MacVean: do Assistant Carpenter .....	500 00
T. Westcott: do Plasterer and Bricklayer .....	600 00
Wm. Noble: do Painter (board) .....	420 00
Edward Blake: do Tailor .....	460 00
R. W. Scott: do Shoemaker .....	300 00
D. Parker: One do Steamfitter .....	25 00
Wm. Murdoch: Twelve do Farmer .....	650 00
Jno. Gale: do Plowman .....	300 00
Farm Hands (3): do .....	780 00
Geo. W. Rennie: do Gardener and Steward .....	750 00
Jas. Gall: do Asst. Gardener .....	300 00
Amos Duval: do 2nd Asst. do .....	300 00
R. Flynn: do Caretaker—Sewage Fields .....	384 00
M. A. Pope: do Matron .....	500 00
E. S. Parker: do Asst. Matron .....	300 00
C. Lamont: Three do Housekeeper .....	45 00
Cooks (6): Twelve do .....	1,028 59
Housemaids (8): do .....	1,021 80
Laundresses (4): do .....	728 00
M. O'Loughlin: do Tailoress .....	192 00
F. Morton: do Asst. Tailoress .....	168 00
Penelope Gall: do Typewriter and Portress .....	224 96
M. Doyle: do Asst. Portress .....	144 00
Chief Male Attendants (3): do .....	1,203 46
Male Supervisors (8): do .....	2,609 36
Male Attendants (31): do .....	7,894 57
M. A. Meehan: do Chief Female Attendant .....	250 00
Female Supervisors (9): do .....	1,657 50
Female Attendants (34): do .....	5,082 56
Female Night Attendants (2): do .....	374 50
J. Cadenhead: do Trained Nurse .....	240 00

## EXPENSES (\$95,834.38.)

Anderson, Jas. I. & Co.: Stationery, 20.46; Anderson, Jas.: Hay, 5-560 tons, 42.24....	62 70
Allen, S.: Vinegar, 212 gals., 46.79; Amer. Journal of Insanity: Sub., 5.00.....	51 79
Anderson & Nelles: Nitrate of soda, 1,000 lbs., 47.50; drugs & chemicals, *36.20....	183 70
Am. Medico Psychological Assn.: Annual dues .....	5 00
Angus, Geo.: Admissions of patients to circus .....	26 00
Belton, Geo. H.: Picture moulding, 1,000 ft., 15.00; elm, 2,000 ft., 90.00; matched lumber, 1,000 ft., 50.00; dressed pine, 2,025 ft., 131.63.....	266 63
Blackwell, D.W.: Enamelled beds (3), 47.00; springs, 12.00; bolster, 2.00.....	61 00
Blanchard, Thos.: Fish, 6,375 lbs., 573.75; Bowses, Jas.: Turkeys, 290 lbs., 34.80....	608 55
Bailey, Alfred: Turkeys, 229 lbs., 32.06; apples, 20 bbls., 27.00.....	59 06
Burns, Jas. & Son: Horseshoeing, 45.25; Bovril, Limited: Bovril, 1 doz., 15.00.....	60 25
Brock, G. S.: Moss, 1,052 lbs., 105.20; Bursar: To pay sundry items, 41.93.....	147 13
Bell Tel. Co.: Messages, 6.25; repairs, 7.50 .....	13 75
Cowan, Jas. & Co.: Cross cut saws (2), 8.25; axes, $\frac{1}{2}$ doz., 7.50; glass, 11.00; iron pipe, 669 ft., 42.68; cyl. oil, 41 gals., 24.60; engine oil, 49 gals., 19.60; whips, $\frac{1}{2}$ doz., 6.00; W. W. brushes, $\frac{1}{2}$ doz., 13.50; garden tools, 87.00;	

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, LONDON.—Continued.

## EXPENSES.—Continued.

razors, $\frac{1}{2}$ doz., 7.50; hair clippers, $\frac{1}{2}$ doz., 9.25; straps, $\frac{1}{2}$ doz., 4.50; latches, 7.50; wire cloth, 30 yds., 8.25; spades, $\frac{1}{2}$ doz., 10.50; picks & handles, $\frac{1}{2}$ doz., 7.50; iron hardware, etc., 32.75	306 88
Canadian Oil Co.: Cylinder oil, 42 gals., 25.78; shafting oil, 39 gals., 11.37	37 15
Crown Chemical Co.: Soap, 1,900 lbs., 133.00; Cameron, I. K.: Staty. & paper, 24.50	157 50
Cawthorpe & Sons: Flour contract, 1,773 $\frac{1}{2}$ bbls. at 3.74	6,632 89
Craig, W. J.: Hardwood contract, 133 $\frac{1}{2}$ cords at 6.75, 091.36; cement, 8 bbls., 14.40; dressed lumber, 5,000 ft., 215.00	1,130 76
C. P. Industries: shoes, 175 prs., 267.75; tweed, 203 yds., 101.50; blankets, 2,649 lbs., 1,192.05; slippers, 120 prs., 156.00;	1,717 30
Chandler & Massey: Carbolic acid, 11.73; surgical appliances, 3.19	14 92
Clark, Thos.: Straw, 7-610 tons, 36.52; Cotter, Jas.: Apples, 14 bbls., 18.90	55 42
Cunningham, Thos.: Apples, 3 bbls., 10.80; Collector of Customs: Duty charges, 24.10	34 99
City Gas Co.: Gas, 3,379.60; repairs, 12.25	3,391 85
Citizens' Gas Control Co.: Rent of gas governor to 31st Dec. 1903	200 00
Cairncross & Lawrence: Drugs & chemicals, 209.40; Collins, W. J.: Paste, $\frac{1}{2}$ doz., 10.00	219 40
Can. Express Co.: Express charges, 9.65; C. P. Railway: Freight charges, 3.08	12 73
Catholic Record: Subs., 4 copies (4 years), 16.00; candles, 4.90	20 90
Dart, S.: Straw, 13 $\frac{1}{2}$ tons, 67.55; Dexter, T. & Son: Bran, 7 tons, 130.00	197 55
Darch, J. & Sons: Horse blankets, (6), 9.00; harness repairs, 10.45	19 45
Dayman, W. H.: Clothes baskets, 4 doz., 36.00; Doan, H.: Exps. recovering eloper, 32.75	68 75
Elliott, Marr & Co.: Sugar, 21,259 lbs., 859.75; syrup, 2 bbls., 33.44; currants, 125 lbs., 6.88; raisins, 2,072 lbs., 136.50; bluing, 300 lbs., 51.00; scrubs, 1 doz., 4.75; tapioca, 489 lbs., 16.33; blacking, 1 gro., 9.00; soap, 11.40; pails, 8 doz., 15.70; starch, 1,200 lbs., 78.00; tobacco, 775 lbs., 311.75; mustard, 24 jars, 18.00; almonds, 532 lbs., 66.50; corn starch, 40 lbs., 2.70; matches, 7 cases, 21.00; sal. soda, 1,405 lbs., 12.64; prunes, 1,800 lbs., 78.00; oranges, 5.50; corn, 8 doz. cans, 9.00; peaches, 4 cases, 20.80; berries, 11.20; sundries, 62.00	1,841 84
Element, W. J.: Land tile, (500), 18.00; traps, 3.00; pipe, elbows, etc., 21.20; lime, 5 bbls., 4.25	46 45
Electric Boiler Compound Co.: Boiler compound, 2,842 lbs.	113 68
Ferguson, Jno. & Sons: Operating chair, 35.00; leather, 55 yds., 55.00; perf. seats, 13.14; dresser & stands, (2), 26.00; mirrors, (4), 7.00; chair, 5.50; sundries, 6.50	148 14
Fraser, McMillan & Co.: Straw hats, 5 doz., 27.00; Ferrol Co.: Ferrol, 12 doz., 39.60	66 60
Farm Exchange Acct.: Eggs, 1,898 doz., 342.15; chickens, 524 lbs., 46.10; dressed pork, 4,869 lbs., 270.14	658 39
Fitzgerald, Thos. J.: Brooms, 10 doz., 24.00; Foster, J. G. & Co.: Directories, (2), 6.00	30 00
Gorman, Eckert & Co.: Coffee, 4,713 lbs., 1,218.48; rye, 560 lbs., 22.40; chicory, 280 lbs., 36.40; vanilla, 2 $\frac{1}{2}$ gals., 25.00; lemon, $\frac{1}{2}$ gal., 5.00; pepper, 280 lbs., 62.40; cinnamon, 8 lbs., 3.25; nutmegs, 10 lbs., 8.60; ginger, 15 lbs., 4.25; sundries, 7.73	1,392 91
Girvin, D.: Veal, 1,775 lbs., 133.54; beef, 685 lbs., 44.52	178 06
Green, Jno. C. & Co.: Lace, 42.90; net, 7.93; hats, 21.66; ribbon, 14.41	86 90
Gas Appliance Co.: Mantels, globes, etc., 19.50; Gerry, Jno.: Straw, 5 $\frac{1}{2}$ tons, 28.82	48 32
Grant, M.: Part payment in settlement of agreement between London Twp. council and London St. Railway Co., in consideration of city rates between London and Pottersburg	50 00
Gale, Jno.: Allowance in lieu of board, 100.00; Gammage, J. & Sons: Seeds & bulbs, 38.59	138 59
Gurney Foundry Co.: Grate bars, 7.58; Graves, O. B.: Picture moulding, 90 ft., 6.30	13 93
Gerry, Wm.: Grill work, 30.00; Galbraith, Robt.: Honey, 548 lbs., 49.32	79 32
Gillean, Thos.: Spectacles, 12 doz., 48.00; clocks, 6.00	54 00
G. N. W. Telegraph Co.: Telegrams, 8.18; G. T. Railway Co.: Freight charges, 63.63	71 81
Hobbs Mfg. Co: Glass, 94.89; brass rods, 5.00	99 89
Hobbs Hardware Co.: Valves, 38.18; step ladders, (6), 4.40; coiled springs, 9.50; shellac, 8 gals., 26.00; iron pipe, 329 ft., 14.47; belting, 94 ft., 31.24; packing, 101 lbs., 34.51; zinc, 150 lbs., 12.00; varnish, 5 gals., 7.50; Japan, 5 gals., 4.50; turpentine, 135 gals., 115.58; benzine, 134 gals., 28.39; steel, 344 lbs., 13.76; tin, 28 lbs., 9.80; putty, 2 bbls., 15.83; meth. spirits, 5 gals., 9.60; asbestos, 400 lbs., 8.40; raw oil, 136 gals., 66.44; lard oil, 246 gals., 243.99; castings, 7.40; paints & oils, 79.49; nails, 1 keg, 3.20; disinfectant, 137 gals., 171.89; ass't'd knives and spoons, 52.12; sheet rubber, 64 lbs., 15.36;	



## COLONIZATION ROADS.—Continued.

## ASYLUM FOR INSANE. LONDON.—Continued.

## EXPENSES.—Continued.

white lead, 1,800 lbs., 89.25; shovels, 1½ doz., 9.77; snow shovels, ½ doz., 4.50;	
iron hardware, etc., 121.12; spades, 1 doz., 9.60; manure forks, 1 doz., 10.00;	
steam pipe, 11.52; rubber hose, 300 ft., 40.00; paint brushes, 1 doz., 26.40;	
cement, 3 bbls., 5.70	1,351 40
Hamilton, A. M. & Son: Land salt, 80 bags, 72.00; linseed meal, 3.00;	
paris green, 60 lbs., 12.00; barley, 25 bus., 18.75; seeds, etc., 159.95;	
insect powder, 15 bbls., 60.00; split peas, 7 bags, 21.00; oats, 375 bu., 151.75;	
land plaster, 50 bags, 30.00; beans, 11 5-6 bu., 21.00; binder twine, 7.00	556 45
Heighway, F. W.: Traces, 27.00; rep'g harness, 23.35; bridles, 1 pr., 5.00	55 35
Heaman, W. & Son: Lime, 12 bbls., 11.40; fire clay, 850 lbs., 8.50	19 90
Heaman, Geo.: Rep'g vehicles, 25.65; Hunter, R.: Purchase of meat, 13,384.62	13,410 27
Hueston, R.: Cab hire re religious services	75 00
Heighway, R. B.: Sub. Asylum Bowling Club	25 00
Hagen, A. T. Co.: Repairs laundry machy., 58.10; Hobbs, Jno., brooms, 15 doz., 56.00	74 10
Husband, Jas. & Son: Honey, 1015 lbs, 91.17; Heaman, Jno.: veal, 112 lbs, 8.40	99 57
Independent Cordage Co.: Twine, 15.75; Irwin, Ch.: pillow ventilators, 12 doz, 6.00	21 75
Johnson, J. L.: Cups, 94 doz., 99.00; plates, 32 doz., 30.40; tumblers, 102 doz, 73.35;	
chambers, 7 doz., 32.75; jugs, 1 doz., 6.00; basins, 3 doz, 17.50; ewers, 3 doz., 18.00;	
soap dishes, 1 doz., 4.50; soup plates, 25 doz., 25.00; cov'd. dishes, 2 doz., 15.00;	
bowls, 10 doz., 12.00; sundries, 1.50	355 00
Johnston, Chas. D.: Boots and shoes, 158 pairs,	235 55
Kerrigan Hardware Co.: Disinfectant, 120 gals.	150 00
Kingston Asylum: Scrub brushes, 74 doz., 157.00; Kernohan & Ferguson: Lumber, 92.42;	249 42
Keene Bros.: Chairs, 6.75; table, 4.00	10 75
Lind, Kerrigan & Co.: Sugar, 38,747 lbs., 1,767.22; prunes, 1600 lbs., 77.00;	
rice, 3,808 lbs., 154.22; currants, 928 lbs., 54.44; matches, 5 cases, 8.10;	
scrubs, 1 doz., 4.75; pails, 1 doz., 1.90; raisins, 560 lbs., 42.00; syrup, 102 gals., 55.70;	
chocolate, 12 lbs., 3.60; mustard, 12 jars, 9.00; starch, 200 lbs., 11.00;	
laundry soap, 612 lbs., 18.56; soap, 5.76; tobacco, 179 lbs., 75.01; sundries, 13.05;	2,281 17
Leith, Geo.: Rolled wheat contract, 178 bbls., @ 2.45, 432.54;	
oatmeal contract, 123½ bbls., @ 3.70, 456.95; salt, 46 bbls., 56.45;	
table salt, 5 bbls., 14.15; corn meal, 65 bbls., 247.00; pot barley, 14.80;	
land salt, 14 tons, 68.98; flour, 2.55	1,293 22
London Soap Co.: Toilet soap, 80 boxes, 242.10; toilet soap, 5½ gro., 13.00;	
laundry soap, 12,961 lbs., 585.24	838 34
London Hat & Mantle Mfg. Co.: Tweed, 826 yds.	322 14
London Engine Supplies Co.: Repairs, castings, etc.	0 29
London Brass Works Co.: Castings, 26.21; brass hinges, 23.50; keys, 5.60	55 31
London Crockery Co.: Chinaware, etc., 10.35; tea cups, 6 doz., 7.50;	
tumblers, 23 doz., 14.80; platters, 1 doz., 9.00; chambers, 5 doz., 20.00	61 65
London Shoe Co.: Boots and shoes, 442 prs.,	633 07
London Ammonia Co.: Ammonia, 814 lbs.,	48 84
London Advertiser: Subs., 20.00; advertising, 5.60	25 60
London St. Railway Co.: Car tickets, 44.65; carrying mail, 125.00	169 65
London Ptg. & Lithg. Co.: Lithographing diplomas for graduate nurses	28 00
Lacey, R. F. & Co.: Shoe leather, 242 lbs., 59.32; tacks, rivets, thread, etc., 5.75	65 07
Lind, Wm.: Wax, 558 lbs., 55.80; Ludwig, L. V., vinegar, 514 gals., 92.52	148 32
Leonard, E. & Son: Repairing boilers, etc.	130 67
Marshall, Jno. & Co.: Hats, 35 doz., 88.25; caps, 6 doz., 36.00; blankets, 36, 59.40;	
mitts, 12 doz., 57.60	241 25
Mee & Vining: Drugs and chemicals, 136.75; Matheson, N.: Yarn, 200 lbs., 80.00	216 75
Malloch, Wm. & Co.: Castings, 36.40; wood split pulleys, 28.45	64 85
Murphy, F. G.: Turkeys, 876 lbs., 122.64; bacon, 270 lbs., 37.68	160 32
Masuret, M. & Co.: Sugar, 65.99 lbs., 255.99; mustard, 24 jars, 19.80; soap, 10.45;	
laundry soap, 4,050 lbs., 121.50; prunes, 1,200 lbs., 72.00; matches, 5 cases, 8.00;	
sago, 160 lbs., 7.20; currants, 922 lbs., 50.71; tapioca, 180 lbs., 5.40;	
blueing, 120 lbs., 20.40; sal. soda, 750 lbs., 6.75; laundry starch, 200 lbs., 13.00;	
canned vegetables, 18 doz., 19.00; canned fruit, 8 doz., 12.00; tobacco, 90 lbs., 37.80;	
rice, 1,396 lbs., 52.35; syrup, 103 gals., 36.05; sundries, 32.47	780 27
Muxworthy, Thos.: Blacksmithing, 7.60; Muir & Co.: Yarn, 300 lbs., 165.00;	172 60
Metropolitan Soap Co.: Laundry soap, 1,837 lbs.	80 25

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, LONDON.—Continued.

## EXPENSES.—Continued.

McBrearty, M.: Trav. Expenses, 16.25; McMurphy, D.: Maple syrup, 36 gals., 44.65 ..	60 90
McLean, G.: Axes. $\frac{1}{2}$ doz., 6.00; handles, 1 doz., 4.00 .....	10 00
McClary Mfg. Co.: Regg. sterilizer, 16.00; grate bars, 10.40 .....	26 40
McLeod, N.: Cheese, 2,649 lbs., 314.75; McDowell Ginseng Garden, plants, 10.00....	324 75
McPhillips, W.: Regg. musical instruments, 5.08; sheet music, 2.00 .....	7 08
MacCallum, G. A., M.D.: Balce, re table allowance, 378.11;	
allowance re furniture and furnishings, 86.18; trav. exps., 25.25;	
expenses attending medical convention, 100.00 .....	589 54
Nordheimer Piano Co.: Repairing piano .....	75 00
O'Mara, M.: Turkey, 129 lbs., 19.43; lard, 2,100 lbs., 234.00;	
bacon and ham, 528 lbs., 81.0 .....	334 50
O'Meara, P.: Cab hire re religious services .....	82 00
Peoples' Coal Co.: (Balance 1903 coal contract) small egg, 1,660 tons, 580 lbs., @ 6.00,	
9,958.74; stove, 58 tons, 1,350 lbs. at 6.00, 352.05; nut, 22-900 tons at 6.00, 134.70;	
(1904 contract), small egg, 1616-130 tons at 6.00, 9,696.39; stove, 402-1500 tons at	
6.00, 2,416.50; nut, 100-840 tons at 6.00, 602.52; soft, 165-030 tons at 4.00, 660.06;	
briar hill, 26-1660 tons at 5.00, 134.15 .....	23,955 11
Purdum, Gillespie Hardware Co.: Glue, 285 lbs., 71.25; wire nails, 10 kegs, 28.80;	
rope, 3.83; sand paper, 1 ream, 5.50; wire netting 50 yards, 6.00;	
casters, 38 sets, 10.50; keys, 6.24; green wire, 25 yards, 6.25; lace leather, 5.21;	
locks, 37.40; latches, 4.50; japan, 5 gals., 6.00; scoops, 7.50; mops, $\frac{1}{2}$ doz., 4.50;	
iron hardware, etc., 224.85; plaster paris, 5 bbls., 12.50; flue brushes, 12.00;	
regg. farm implements, 70.70; hinges, 2 sets, 10.00; scythes, 9, 11.25;	
twine, 25 lbs., 10.20; glass, 9.00; lawn mower, 12.00; scythe stones, 4 doz., 5.40;	
galv. wire, 153 lbs., 6.12; pruning knives, $\frac{1}{2}$ doz., 4.80; snaths, $\frac{1}{2}$ doz., 4.50;	
shovels, $\frac{1}{2}$ doz., 4.50; table spoons, 6 doz., 7.50 .....	608 80
Perrin, D. S. & Co.: Candy, 461 lbs., 59.87; biscuits, 1,819 lbs., 168.44 .....	223 31
Partridge, Thos. L.: Plumbers' supplies, etc., 79.34; postmaster, rent P. O. Box, 6.00	86 34
Queen City Oil Co.: Cylinder oil, 88 gals., 52.80; shafting oil, 135 gals., 35.46;	
boiler, compound, 50 gals., 22.50; parafine wax, 751 lbs., 69.09 .....	179 85
Quigley, W. D.: Shoe leather, 458 lbs., 120.34; tacks, rivets, thread, etc., 16.23....	136 57
Robinson, Little & Co.: Shirting, 3,019 yds., 369.11; sheeting, 4,161 yds., 643.77;	
shirts, 10-12 doz., 7.29; combs, 69.95; tweed, 77 yds., 38.50; flannel, 53 yds., 12.78;	
dress goods, 154 yds., 64.93; lining, 33 yds., 5.94; print, 1,501 yds., 150.15;	
towelling, 1,449 yds., 220.83; canvas, 350 yds., 40.25; pillow cotton, 308 yds., 35.00;	
cotton, 1,530 yds., 115.92; yarn, 138 lbs., 50.85; angola, 807 yds., 97.68;	
quills, 207, 210.97; thread, 32.85; muslin, 264 yds., 35.64; tabling, 1,008 yds., 420.56;	
sundries, 72.69; ticking, 403 yds., 78.59; warp, 50 bdes, 55.75; creton, 76 yds., 18.24;	
flag, 7.50; gingham, 123 yds., 8.02; curtains, 10 prs., 36.75; rugs, 12.85;	
dowlas, 419 yds., 105.61; crash, 50 yds., 4.00; napkins, 4 doz., 10.87;	
table cloths, 16.70; towells, 2 doz., 6.35; buttons, 17.14; flannelette, 1,436 yds., 162.69;	
braces, 18 doz., 40.50; linenette, 55 yds., 5.50; shawls (101), 47.76; ties, 6 doz., 12.60;	
handkerchiefs, 13 doz., 8.24; hose, 6 doz., 20.02; mufflers, 5 doz., 15.37;.....	3,387 30
Reid, W. J. & Co.: Tea set, 5.00; tumblers, 1 doz., 3.50; chinaware, etc., 4.50;	
crocks, 2 doz., 16.80 .....	29 80
Reid Bros & Co.: Playing cards, 6 doz. packs, 13.50; stationery, etc., 287.95;	
blank books, 192.50; toilet paper, 2 cases, 16.00; locks, 15.00; document holders, 11.82	536 77
Rolph, Smith Co.: Stamping, 5.00; Rolph, Clark Co.: Embossing, 8.75 .....	13 75
Robson, W.: Turkeys, 600 lbs., 90.00; geese, 979 lbs., 97.90 .....	187 90
Rennie, Geo. W.: Music supplied (concert), 35.00; Rice, E.: Horseshoeing, 87.61..	122 61
Ryan, C.: Turkeys, 500 lbs., 60.00; Rigney, W. G.: Turkeys, 590 lbs., 67.85 .....	127 85
Struthers, R. C. & Co.: Ticking, 1,251 yds., 215.63; warp, 30 bundles, 36.25;	
batting, 6.50; cotton, 8,498 yds., 640.40; serge, 271 yds., 613.69; tweed, 790 yds, 395.14;	
crash, 850 yds., 76.00; scrim, 234 yds., 22.86; stair linen, 55 yds., 7.38;	
print, 1,759 yds., 175.90; shirting, 3,023 yds., 359.62; denim, 181 yds., 33.57;	
towelling, 257 yds., 26.70; towels, 3 doz., 7.50; spools, 111.07; braces, 8 doz. pr., 18.30;	
flannelette, 206 yds., 25.71; muslin, 294 yds., 31.90; sundries, 86.62; quilts (101), 98.50;	
lawn, 30 yds., 4.50; selicia, 51 yds., 8.76; scrim, 43 yds., 4.30; canvas, 275 yds., 32.25;	
lining, 33 yds., 6.20; mole, 69 yds., 11.38; buttons, 7.33; scarlet cloth, 5 yds., 15.00;	
cottonade, 92 yds., 16.10; hoods, 2 $\frac{1}{2}$ doz., 12.50 .....	3,107 61
Sanborn, G. W. & Co.: Tea, 2,100 lbs., 462.00; Stroyan, A. G., cab hire re religious	
services, 8.00 .....	470 00

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, LONDON.—Concluded.

## EXPENSES.—Concluded.

Screaton, A. & Co.:	Curtains, 7 prs., 35.00; holland, 75 yds., 17.00; fringe, 60 yds., 6.00; sundries, 72.00; mats, 2 doz., 27.00; carpet, 67 yds., 73.94; shades, 6.50; linoleum, 66 yds., 42.90; upholstering, 8.75; rugs, 13.00; madras, 32 yds., 16.00; sash net, 15 yds., 4.50; velour, 7 yds., 7.00; silkoline, 20 yds., 4.00.....	333 59
Sundry Newspapers:	Advertising re supplies, 213.00; re fuel, 89.75.....	302 75
Stevley, Wm. & Son:	Milk cans, 4, 30.00; gas globes, 9 doz., 31.50; kettles, 5, 9.25; iron tinware, etc., 166.75; metal ceiling, 35.00; smoke pipe, etc., 28.00; repairs, 15.60; lantern globes, 12 doz., 17.70; lanterns, 1 doz., 9.00; tin, 13.50; galv. iron, 242 lbs., 12.90; charcoal, 13 bus., 3.25; solder, 13 lbs., 3.25; rod iron, 100 lbs., 3.50; zinc, 28 lbs., 2.24; granite chambers, 6 doz., 54.00; pails, 3, 6.00.....	441 44
Stevens, The J. & Son Co.:	Medical appliances.....	69 11
Stanley, N. J.:	Turkeys, 390 lbs., .....	46 80
Strong, W. F.:	Marking ink, 5 qts., 32.00; sperm oil, 2 gals., 3.50; sundries, 41.13; baking powder, 52 doz., 158.75; brushes, 1 doz., 9.00; fly paper, 2 cases, 12.50; drugs and chemicals, 234.78.....	491 66
Skuse:	Lime, 48 bbls., 38.70; hair, 2 bags, 2.20; Schabacker & Co.: Doors, 12, 15.00....	55 90
Sifton & Co.:	Postage stamps, 153.50; stationery, 18.50; diaries, 12.00; delivery of mail, 1 year 24.00; plates, 100 doz., 78.80; bibles, (6), 6.00; testaments, 6, 4.50; subs. magazines, etc., 64.40; cups and saucers, 30 doz., 28.50; soup plates, 30 doz., 26.10; jugs, 4½ doz., 11.25; cov'd dishes, 2 doz., 11.00; tea plates, 10 doz, 9.50; sundries, 5.74.....	453 79
Shea, E.:	Spirits for medicinal purposes.....	44 00
Stevenson, Jno.:	Clearing sewage vaults, chimneys, etc.....	88 90
Stevens Mfg. Co.:	Castings, repairs, etc.....	35 02
Smith, W. J. & Son:	Interments.....	162 00
Shuff, J. G.:	Hair brushes, etc., 1 doz., 9.80; Sippi, C. A.: Trav. expenses, 11.30....	21 10
Trebilcock, J. C.:	Eggs, 670 doz., 157.60; cheese, 4,515 lbs., 531.45; sundries, 11.55; turkeys, 116 lbs., 17.40; lemons, 10.00.....	728 00
Trebilcock, Thos.:	Rent of 235 acres of land for pasture.....	207 50
Tennent & Barnes:	Professional services and medicines.....	57 25
Taylor, S.:	Half share of maintenance for school children of Asylum officers....	100 00
Tyler, Alfred:	Tea, 3,710 lbs., 816.20; Taylor, A. P., fish, 6,060 lbs., 545.40.....	1,361 60
Talbot, A. & Co.:	Printing, 22.25; Troy Laundry Machy. Co.: Repairs, 10.00.....	32 25
Victoria Hospital:	Medical attendance and board.....	53 00
Wilkins, Walter:	Cranberries, 1 bu., 3.84; oysters, 4.50; lemons, 1.05.....	9 39
Wall & Guppy:	Tobacco, 208 lbs., 91.52; Walsh, P.: coal oil, 500 gals., 111.80.....	203 32
Woods, J. C.:	Brooches, 1 doz., 1.80; bowls, 10 doz., 10.00; tinware sundries, 8.75....	20 55
Watson, Wm.:	Shoe leather, 120.96; lasts, 12 prs., 10.80; sundries, 16.80.....	148 56
Wenger, Aaron:	Butter contract, 36,007 lbs., @ 20.65 cwt.....	7,422 02
Welford Bros.:	Brooms, 90 doz., 216.00; twine, 30 lbs., 7.50; sundries, 1.25.....	224 75
Westcott, Thos.:	Apples, 10 bbls., 13.50; Western Woolen Co.: tweed, 795 yds., 397.75..	411 25
Woods, H. G.:	Chinaware sundries, 8.87; bowls, 10 doz., 10.00; jars, 6 doz., 4.68	23 55
Wilson, W. T.:	Expenses, re transfer from Hamilton.....	6 20
Young, Jno. B.:	Stationery, etc.....	4 45
Sundry persons:	Accounts unenumerated 10.00.....	51 58
W. J. Harris, M.D.:	Services as relieving officer, 35 days.....	97 23

## ASYLUM FOR INSANE, KINGSTON.

## SALARIES (\$28,241.97).

C. K. Clarke, M.D.:	Twelve months' salary as Medical Superintendent.....	2,000 00
W. C. Barber, M.D.:	do Assistant do.....	1,300 00
W. C. Herriman, M.D.:	do do Physician.....	1,000 00
W. R. Dick:	do Bursar.....	1,200 00
A. Mackie:	do Bursar's Clerk.....	350 00
A. McLean:	do Steward.....	600 00
J. McManus:	do Storekeeper.....	800 00
W. Potter:	do Engineer.....	740 00



## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, KINGSTON.—Continued

## SALARIES.—Continued.

J. Dennison: Twelve months' salary as Carpenter .....	550 00
Geo. Watson: do Tailor .....	500 00
T. W. McCammon: do Baker .....	450 00
W. Carr: do Gardener .....	475 00
H. Ross: do Farmer .....	550 00
A. W. Arbuckle: do Musical Instructor .....	324 00
J. Graham: do Second Engineer .....	350 00
Stokers (4): do .....	1,045 00
J. Davidson: do Chief Attendant .....	400 00
Male Supervisors (7): do .....	2,312 00
Male Attendants (18): do .....	5,639 58
T. McGuire: do Butcher .....	300 00
A. McIver: do Laundryman .....	290 00
Sundry Messengers do .....	225 22
W. Mullin: Four do Caretaker—Sewage Fields .....	80 00
J. P. Peirce: Twelve do Matron .....	500 00
T. Gallagher: Six do Assistant Matron .....	150 00
M. Gibson: do do .....	150 00
M. E. Bethune: Twelve do Trained Nurse .....	240 00
S. E. Winch: Six do Supt. Nurse's Home .....	111 81
M. Gibson: do Musical Instructress .....	96 00
A. C. Scott: Two do do .....	32 00
Female Supervisors (6): Twelve .....	1,128 00
Female Attendants (14): do .....	2,213 31
Cooks (2): do .....	372 00
M. Deane: do Seamstress .....	144 00
G. Burke: do Portress .....	144 00
Laundresses (2): do .....	412 90
Maids (4): do .....	567 15

## EXPENSES (\$60,115.92).

Anderson Bros.: Bacon & ham, 517 lbs., 73.82; sausage, 6,205 lbs., 514.30; soap, 19.50; tea, 231 lbs., 57.75; sundries, 7.18; lard, 150 lbs., 14.50; rice., 500 lbs., 18.75; sugar, 1,245 lbs., 52.19; eggs, 128 doz., 19.20 .....	777 19
Abernethey Shoe Co.: Boots and shoes, 308 prs., 388.05; rubbers, 12.10; sundries, 3.00 .....	403 15
Allen, S.: Vinegar, 84 gals., 20.26; barrels, 4.50 .....	24 76
Allen, R. J.: Blankets, etc., 6.15; American Express Co.: Charges, 11.35 .....	17 50
American Journal of Insanity: Sub. (vol 60) .....	5 00
Am. Medico Psychological Assn.: Annual dues .....	5 00
Blakey, A.: Mutton, 7,990 lbs., 553.95; veal, 1,700 lbs., 110.50 .....	664 45
Bailey Broom Co.: Brooms, 14 doz., 36.40; Brown, G.: Lime, 42.35 .....	78 75
British Whig Pub. Co.: Printing and adv't'g., 315.48; Briggs, Wm.: Hymn books, 19.75 .....	335 23
Breck & Halliday: Electrical supplies, etc., 83.30; Barber, W. C.: Sheet music, 7.05 .....	90 35
Bell Tel. Co.: Messages, 23.00; Bursar: To pay sundries, 24.33 .....	107 33
Craig, W. G. & Co.: Slack coal, 409 tons at 3.74, 1,529.66; brooms, 34 doz., 91.00; tea, 270 lbs., 43.20; laundry starch, 156 lbs., 8.19; currants, 272 lbs., 13.60; raisins, 224 lbs., 16.24; syrup, 10.071 lbs., 293.02; sugar, 7,078 lbs., 283.72; mustard, 20.00; canned vegetables, 16 doz. cans, 14.80; vinegar, 163 gals., 35.74; tobacco, 111 lbs., 54.43; figs, 1,559 lbs., 61.66; asst'd. peel, 35 lbs., 4.48; mince meat, 201 lbs., 13.57; pepper, 50 lbs., 9.00; table raisins, 8.06; baking powder, 5.50; salmon, 4 doz. cans, 6.00; pickles, 2 pails., 9.00; salt, 12 hbls., 15.80; sundries, 30.54 .....	2,567 41
Couper, D.: Sugar, 6,176 lbs., 265.38; tea, 1,180 lbs., 295.00; rice, 2,500 lbs., 90.00; eggs, 50 doz., 11.00; chicory, 738 lbs., 110.70; coffee, 200 lbs., 50.00; baking powder, 12 lbs., 6.00; sundries, 16.65; laundry starch, 129 lbs., 9.03; mustard, 30 lbs., 6.00; brooms, 6 doz., 15.90 .....	875 66
Crumley Bros.: Shirting, 484 yds., 60.54; print, 1,093 yds., 109.90; canvas, 75 yds., 11.25; spools, 9 gro., 72.00; pins, 36 doz., 20.40; buttons, 3.00; pillow cotton, 135 yds., 20.29; sundries, 6.20; sheeting, 32 yds., 9.60; duck, 127 yds., 19.02; cotton, 239 yds., 17.92; blankets, 2 prs., 3.50; ticking, 231 yds., 46.25; sundries, 8.50 .....	403 37

PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*ASYLUM FOR INSANE, KINGSTON.—*Continued*EXPENSES.—*Continued.*

Crawford, Jas.: (Balance 1903 butter contract), 594 lbs., at .17½, 105.44; (1904 contract), 6,714 lbs. at .17½, 1,174.98; potato contract, 1,918 bus. at .56, 1,104.40; rolled oats contract, 86 bbls. at 3.75, 322.50; sugar, 7,680 lbs., 317.58; tea, 753 lbs., 188.25; coffee, 475 lbs., 118.75; syrup, 21 bbls., 230.25; poultry, 38.16; apples, 21 bbls., 31.50; eggs, 872 doz., 183.89; biscuits, 18.23; salt, 22.02; bkg. powder, 24 lbs., 13.20; sundries, 18.38; pepper, 125 lbs., 25.00; starch, 200 lbs., 12.00; tapioca, 160 lbs., 6.40; beeswax, 23 lbs., 6.90; seed potatoes, 60 bags, 84.00; cheese, 529 lbs., 50.38; rice, 500 lbs., 17.50; brooms, 6 doz., 14.50; blacking, 6 doz., 5.10; berries, 58.67	4,168 03
C. P. Industries: Flannel, 2,040 yds., 512.06; bracsés, 24 doz., 58.10	570 16
Corbett, Jno.: White lead, 600 lbs., 37.00; iron, hardware, etc., 18.29; glass, 89.00; turpentine, 20 gals., 18.00; coal oil, 139 gals., 30.58; paint brushes, 8.00; plaster paris, 1 bbl., 2.50; cement, 1 bbl., 2.75; varnish, 4 gals., 14.00; wire, 6.21	296 33
Chown, A. & Co.: Hair, 205 lbs., 71.75; white lead, 400 lbs., 22.00; twine, 20 lbs., 12.00; shovels, 2 doz., 14.70; paint brushes, 13.50; japan, 5 gals., 7.50; spades, 1 doz. 7.20; iron, hardware, etc., 95.16	243 81
Crawford, R.: Cannel coal, 1 ton, 8.00; soft coal, 1 ton, 6.50; slabs, 1 cord, 6.00; coal contract, 1,546-1560 tons, large egg at 5.59, 8,646.50; hard screenings, 200-1440 tons, at 2.98, 598.15	9,265 15
Campbell, Bros.: Mitts, 6 doz., 36.00; caps, 3 doz., 27.00	63 00
Coates, F. W.: Regg. musical instruments, 6.10; clock, 6.50; engraving pins, 7.50	20 10
Crews, P. B.: Clocks, 5.75; regg. clocks, 2.00	7 75
Carson Bros.: Chop. feed, 1 ton, 24.00; Carson, R. J.: Tobacco, 365 lbs., 127.75	151 75
Campbell, J.: Postage stamps, 204.25; Carveth, J. A. & Co.: Medical books, 11.00	215 25
Chandler & Massey: Medical appliances, 15.84; Clarke, H. S.: Eggs, 4½ doz., 8.66	24 50
Clugston, Thos.: Repairs, etc., 123.50; Corbett, S. S.: Interments, 39.00	162 50
Croft, Geo.: Hay, 18 tons, 135.00; <i>Can. Freeman</i> : Printing & advertising, 13.50	148 50
Clarke, Dr. C. K.: Balance <i>re</i> table allowance, 464.00; allowance <i>re</i> furniture, & furnishings, 95.84; trav. expenses, 48.00	607 84
Cataraqi Cemetery Co.: Interments, 28.00; Crosby, F.: Music supplied, 11.00	39 00
Collector of Customs: Duty charges, 7.45; Can. Express Co.: Express charges, 12.23	19 68
Calvin Co.: Use of diving dress	20 00
Coulson, Jas.: Services self & attendant diving, 30.00; use of scow, 5.00	35 00
Durst, P. E. & Co.: Grate bars, 19.20; DeVilbiss Mfg. Co.: Spray & atomizer, 6.00	25 20
Desharats & Co.: Linen paper, 9.50; Doyle, J.; Mutton, 18,615 lbs., 1,375.42	1,384 92
Dick, W. R.: Allowance in lieu of meals, 69.55; rent allowance, 50.00	119 55
Dom. Fish Co.: Fish, 1,409.54; Dennison Mfg. Co.: Christmas garlands, 21.32	1,430 86
Donoghue, C.: Chop feed, 2-180 tons	33 44
Elliott Bros.: Valves, 22.00; toilet paper, 1 case, 7.00; w. w. brushes, ½ doz., 9.00; iron, tinware, etc., 76.41; white lead, 900 lbs., 50.85; sewer pipe, 126 ft., 18.90	184 16
Elliott, T. C.: Eggs, 38 doz., 10.42; Elliott, Jno.: Beef, 6,545 lbs., 509.77	520 25
Fisher Bros.: Coamings, 6-1129 tons, 45.93; grains, 135.00	180 93
Ferguson, T. H.: Fruit & confectionery, 32.06; berries, 24.57	56 63
Funnell, W. H.: Berries, 11.52; apples, 1.10; plums, 65 baskets, 30.00; eggs, 6 doz., 1.20	43 82
Ferrol Co.: Ferrol, 6 doz., 19.80; Ford, Geo.: Allowance in lieu of meals, 96.00	115 80
Fenwick, W. P.: Eggs, 95 doz., 24.53; poultry, 3.00	27 53
Garlock Packing Co.: Leather belting, 380 ft., 91.43; hose, couplings, etc., 390 ft., 64.55; sheet rubber, 56 lbs., 17.92; gaskets, 10 lbs., 10.63; discs, 2 doz., 3.75; packing, 6 lbs., 6.64; sundries, 18.56; duck, 30 yds., 34.50; lace leather, 7 lbs., 6.24	254 25
Gilbert, Jno.: (Balce. 1903 butter contract) 923 lbs., @ 21½ 196.14; split pens contract (1904) 18 bbls., at 4.50, 81.00; coffee, 887 lbs., 221.75; sugar, 2,190 lbs., 85.30; coal oil, 41 gals., 9.49; tea, 456 lbs., 114.00; rice, 2,570 lbs., 99.60; starch, 32 lbs., 9.24; chicory, 420 lbs., 56.73; canned vegetables, 12 cases, 24.40; butter, 365 lbs., 80.73; eggs, 135 doz., 20.68; mustard, 20 lbs., 4.00; sundries, 40.00	1,043 06
eggs, 135 doz., 20.68; mustard, 20 lbs., 4.00; sundries, 40.00	1,043 06
Grant, Hamilton Oil Co.: Soap, 25 boxes, 56.25; white lead, 1,000 lbs., 50.00	106 25
Gowans, Kent & Co.: Entree dishes (2), 15.00; Graham, Jno.: Allowance in lieu of meals, 37.92	52 92
Greenwood, F.: Hay, 77-350 tons, 564.13; oats & wheat, 737 bus., 250.77; straw, 4-1400 tons, 23.50	838 40
G. T. Railway Co.: Freight charges, 66.73; G. N. W. Tel. Co.: Telegrams, 24.34	91 07
Harrison, T. F. & Co.: Perforated seats, 10.64; fibre, 272 lbs., 16.32; mirrors, 7.95;	



## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, KINGSTON.—Continued.

## EXPENSES.—Continued.

cane, 8.75; sundries, 34.90; curtains, 3 prs., 17.50; wardrobe, 15.00	
book case, etc., 16.50	127 56
Hiscock, J.: Pears, plums & peaches, 28.80; Hobbs Hardware Co.: Disinfectant, 45 gals., 60.75	89 55
Hnnter, R.: Purchase of meat, 4,701.06; Hamer, Jno.: Regg. scales, 17.50	4,718 56
Hall, David: Milk cans, (2), 10.30; galv. iron, castings, etc., 41.40; iron pipe, 16.70	68 40
Hughes, Thos. E.: Regg. implements, 22.55; Hartz, J. F. Co.: Medical appliances, 32.87	55 42
Hentig, S. A.: Postage stamps, 41.00; Howland Bros.: Overalls, 13 suits, 16.70	57 70
Industrial Soap & Oil Co.: Laundry soap, 4,061 lbs., 162.44; Ingham, J.: Corn beef, 200 lbs., 10.00	172 44
Kirkpatrick, M.: Picture moulding, 123.31; K. P. & C. Railway Co.: Car tickets, 68.90	192 21
Laidlaw, Jno. & Son: Cotton, 3,191 yds., 217.73; ticking, 332 yds., 66.50; blankets, 25 prs., 59.25; towels, 29 doz., 46.20; flannelette, 188 yds., 15.04; lawn, 251 yds., 36.58; ribbon, 151 yds., 15.58; sateen, 255 yds., 49.20; pillow cotton, 423 yds., 61.73; linen forfar, 175 yds., 43.75; quilts 57, 71.97; shawls, 3.51; linen, 186 yds., 92.00; napkins, 6 doz., 16.30; print, 302 yds., 30.85; shirting, 218 yds., 21.80; socks, 10 doz., 17.50; muslin, 235 yds., 28.55; sundries, 119.06; scrim, 40 yds., 6.00; gingham, 72 yds., 9.00; table covers, ½ doz., 6.00; butter cloth, 788 yds., 39.46; selisia, 53 yds., 8.03; satin, 56 yds., 13.72; crash, 331 yds., 33.10; sheeting, 20 yds., 6.60	1,135 01
Livingston, C.: Tweed, 389 yds., 194.57; shirts & drawers, 2 doz., 18.00; sundries, 11.50; ties, 20½ doz., 32.00; suits (80), 400.00; trousers, 101 pr., 126.25	782 32
Lowe, S.: Tea, 270 lbs., 67.50; Lott, B. O.: Honey, 675 lbs., 47.25	114 75
Laturney, Jas.: Blacksmithing & repairs, 165.15; Leader, B.: Maple syrup, 8 gals., 7.20	172 35
Lyons, N.: Spectacles, 8½ doz.	17 34
Mitchell, W. A.: Glass, 67.10; whitening, 2 bbls., 6.85; paints & oils, 11.60; iron, hardware, etc., 65.90; white lead, 200 lbs., 12.00; varnish, 2 gals., 9.00	172 45
Manning, J. W.: Maple syrup, 54 gals., 54.00; Metropolitan Soap Co.: Laundry, soap, 8,477 lbs., 402.60	456 60
Mahood, P. S.: Combs, 34 doz., 32.30; tissue paper, 60 rolls, 6.00; sundries, 7.20; tableware, 26 doz., 82.76	128 20
Mills, Geo. & Co.: Caps, 4 doz., 12.00; straw hats, 6 doz., 9.00	21 00
Mullin, E. W.: Tea, 27 lbs., 21.75; sugar, 600 lbs., 25.20; coffee, 134 lbs., 33.50	80 45
McRae, W. R. & Co.: Figs, 235 lbs., 9.40; tea, 194 lbs., 48.50; tobacco, 58 lbs., 26.10; sugar, 1,276 lbs., 49.40; prunes, 250 lbs., 12.50; biscuits, 150 lbs., 7.50	153 40
McKelvey & Birch: Valves, 21.60; boilers, 32.50; regg. furnace, 21.25; fire pot, 56.00; grate bars, 15.75; iron, tinware, etc., 180.95; closets, 51.00	379 05
McFaul, R.: Blankets, 40 prs., 104.50; linen, 200 yds., 60.00; crash, 165 yds., 16.50; hessian, 109 yds., 23.98; tweed, 35 yds., 35.00; beaver, 47 yds., 47.25; denim, 54 yds., 13.44; mats, ½ doz., 7.50; flannel, 43 yds., 10.69; shawls, 9.00; sash net, 45 yds., 11.32; towel racks, 2 doz., 7.00; tapestry covering, 5 yds., 6.25; freize, 8 yds., 6.00; pole brackets, 9.80; quilts, 2 doz., 40.00; sundries 65.27; table linen, 105 yds., 42.00; wincey, 200 yds., 30.08; madras, 38 yds., 22.65; pillow cotton, 215 yds., 36.55; curtains, 6 prs., 27.00; rugs, 16.00; muslin, 124 yds., 8.68; forfar, 282 yds., 84.60; fringe, 133 yds., 12.44; blind cloth, 30 yds., 7.50; table oil cloth, 12 yds., 4.80; linoleum, 8 yds., 4.00; matting, 30 yds., 13.50	783 30
McRae, W. D.: Tobacco, 1,142 lbs., 500.20; McKay, Jno. Estate: Shoe leather, 76.43	576 63
McClary Mfg. Co.: Chambers, 24 doz., 89.71; McLeod, J. B.: Drugs & chemicals, 1,007 55	1,097 26
McBrearty, M.: Trav. expenses, 24.00; McParland, Jas.: rye, 4 gals., 10.60	34 60
McFarlane, M.: Oats, 703 bus., 246.25; see oats, 64 bus., 28.80	275 05
McCammon, T. W.: Allowance in lieu of meals, 37.92; eggs, 3 doz., 1.20	39 12
McIver, A.: Allowance in lieu of meals, 37.92; McWain, T. G.: Berries, 5.88	43 80
McLaughlin, M. & Co.: (Balance 1903 flour contract), 25 bbls., at 3.57½, 89.44; (1904 contract), 443 bbls., at 3.70, 1,639.10; 565 bbls., at 3.86 (16 additional), 2,120.90	3,904 32
McGuire, T.: Eggs, 32 doz., 5.76; expenses buying sheep, 6.00	11 76
Nicholson, Thos.: Corned beef, 39,715 lbs., 2,382.90; suet, 100 lbs., 10.00; beef, 1,200 lbs., 126.00	2,518 90
Nears and Times: Subs., 13.00; Nisbet, F.: Stationery, 53.60	66 60
Nordheimer Piano Co.: Regg. instruments, 14.57; sheet music, 12.42	27 05
Oldreive & Horn: Repairs, 21.50; Olsen & Richardson: Horseshoeing, 13.00	34 50
Ontario Rubber Co.: Hospital mattress, 27.50; rubber sheets, 29.25	56 75

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, KINGSTON.—Continued.

## EXPENSES.—Continued.

Parsons Irons Co.: Seal, 7.00; Pollie, J.: Repairs, tinware, etc., 87.95	94 95
Prevost, Z.: Tweed, 302 yds., 150.87; worsted, 26 yds., 65.00; canvas, 75 yds., 11.25; sundries, 11.50; serge, 22 yds., 56.25	294 87
Partridge, F.: Wire guards, 17.80; Pugsley, Dingman & Co.: L'dry soap, 2,500 lbs., 117.50	135 30
Queen City Oil Co.: Linseed oil, 3 bbls., 65.17; cylinder oil, 4 bbls., 86.60; turpentine, 241 gals., 207.11; gasoline, 123 gals., 33.28; mica grease, 2.20; coal oil, 2 bbls., 17.34; sundries, 4.60	416 33
Redden, Jas. & Co.: (Balce 1903 rolled oats contract), 2 bbls. at 4.45, 8.90; (balce 1903 potato contract), 130½ bus. at .63, 82.24; prunes, 300 lbs., 16.50; biscuits, 3.00; coffee, 1.311 lbs., 327.75; eggs, 497 doz., 111.99; beeswax, 52 lbs., 18.20; vinegar, 73 gals., 18.25; apples, 31 bbls., 53.35; poultry, 110.88; baking powder, 5.75; pipes, 10 doz., 15.00; pickles, 10.50; matches, 20 gro., 18.00; pot barley, 10 bbls., 48.70; cheese, 724 lbs., 67.39; tea, 436 lbs., 109.00; sundries, 108.69; canned vegetables, 36 doz. cans, 40.80; canned fruit, 12 doz. cans, 19.50; jam, 12 pails, 6.00; sugar, 3,972 lbs., 162.07; starch, 220 lbs., 17.60; ginger, 25 lbs., 7.50	1,387 56
Richardson & Olsen: Horseshoeing, 22.09; Rees, E. R.: Beef, 4,430 lbs., 310.10	332 19
Robertson Bros.: Bowls, 30 doz., 42.00; tumblers, 21 doz., 20.70; covered dishes, 6 doz., 42.80; cups & saucers, 20 doz., 20.50; gem jars, 12 doz., 12.00; ewers, 2 doz., 12.00; basins, 2 doz., 12.00; tea plates, 12 doz., 9.60; jugs, 6 doz., 22.00; chinaware, etc., 65.65; cups, 13 doz., 10.10; dinner plates, 6 doz., 6.00; platters, 1 doz., 9.00; bakers, 1 doz., 4.00	288 35
Rees, A. J.: Fancy boxes (650), 7.60; candies, 160 lbs., 20.60; nuts, 140 lbs., 21.70; oranges, 7.50; fruit, berries, etc., 65.48; raisins, 7.00; sundries, 26.40; fireworks, 10.00	164 28
Rathbun Co.: Coal contract, small egg, 322-390 tons at 5.84, 1,881.62; stove, 19½ tons at 5.84, 113.91; nut, 28-1790 tons at 5.84, 168.75; pine, 9,003 ft., 428.13; shingles (4,000), 11.00; lumber 89.52; sundries, 5.73	2,698 66
Ramette Toilet Soap Co.: Toilet soap, 5 gro., 21.25; Reyner, J.: Tuning pianos, 6.00	27 25
Ross, Mrs.: Eggs, 52 doz.	10 26
Strachan, A.: Iron, hardware, etc., 168.09; rope, 7.20; sad irons, 15.12; varnish, 7.50; paints & oils, 41.25; boiled oil, 49 gals., 27.26; locks, 23.00; nails, 7 kegs, 25.25; twine, 12.25; glue, 20 lbs., 6.00; screws, 4.35; enamel paint, 10 gals., 33.75	371 01
Steady & Steady: Sheeting, 2,997 yds., 871.63; cotton, 2,102 yds., 153.47; drill, 56 yds., 8.60; shirting, 433 yds., 58.55; blankets, 12 prs., 30.00; pillow cotton, 737 yds., 110.68; cheese cloth, 221 yds., 11.05; shawls, (15) 41.25; duck, 98 yds., 19.49; curtains, 54 prs., 76.00; linen, 10 yds. 4.50; muslin, 68 yds., 9.12; dress goods, 30 yds., 11.00; pique, 29 yds., 7.25; cretonne, 100 yds., 18.00; hose, 62 doz., 145.98; cord, 69 yds., 5.52; comforter, 4.75; linen toilet, 416 yds., 62.48; sundries, 29.67; table linen, 347 yds., 168.09; print, 1,490 yds., 164.85; denim, 50 yds., 12.50; crash, 100 yds., 10.00; thread, 62 doz., 44.24; socks, 17 doz., 30.39; handkerchiefs, 12 doz., 14.40; velvet, 9 yds., 6.75; needles, 5.00	2,135 21
Sparrow, Geo. & Co.: Bread cutters (4), 18.00, Selby & Youlden: Castings, repairs, etc., 126.14	144 14
Sundry newspapers: Advertising re supplies, 108.75; re fuel, 63.00	171 75
Shales & Taugher: Horseshoeing, 33.45; Stevens, The J. & Son Co.: Med. appliances, 9.29	43 34
Slavin, Jas.: Overcoats (8), 40.00; Steele, Briggs Seed Co.: Seeds, bulbs, etc., 60.38	100 38
Singleton, T.: Sheet music, 22.08; St. Mary's Cemetery: Interments, 10.00	32 08
Thompson, Geo.: Feed, 3 tons, 66.00; seeds, etc., 114.40; sundries, 4.93; corn, 35 bus., 35.00	220 33
Tweddell, Jno.: Tweed, 603 yds., 301.50; Tait, Wm.: Oats, 156 bus., 62.00	363 60
Taylor, H. B. Drug Co.: Drugs & chemicals, 11.00; Tomlinson, G. R.: Elec. supplies, 50.98	61 93
Toye, R. H.: Apples, 36 bbls., 67.00; yeast, 56.70; lemons & oranges, 21.70; berries, 13.14; eggs, 20 doz., 6.15; grapes, 12.70; sundries, 5.40	182 79
Uglov, R. & Co.: Stationery, 85.48; blank books, 32.65; subs., magazine, etc., 40.00; playing cards, 6 doz. packs, 9.00	167 33
Wenger, Aaron: Butter contract, 10,696 lbs., at .21	2,246 16
Wilton, H.: Harness repairs, 18.40; Walsh, M.: Corned beef, 4,410 lbs., 264.60	283 00
Wingate Chemical Co.: Hospital cotton, 25 lbs., 7.00; sundries, 1.26	8 26
Wilson, The H. A. Co.: Amusements, 9.46; Wilson, T. C.: Livery hire, 34.50	43 96
Wilson, R. E.: Livery hire, 13.75; Wishart, E.: Plastering, etc., 72.00	85 75
Warwick Bros. & Rutter: Envelopes, staty., etc., 24.00; Wellborne, Wm.: Honey, 6,910 lbs., 20.73	44 73
Sundry persons: Accounts unenumerated under 10.00	68 20

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, HAMILTON.

## SALARIES (\$37,774.57).

Jas. Russell, M.D.:	Twelve months' salary	as Medical Superintendent	2,000 00
F. Beemer, M.D.:	do	Asst. do	1,300 00
J. Webster, M.D.:	do	2nd Asst. Physician	1,100 00
W. T. Wilson, M.D.:	Ten & one-fourth	3rd do	812 75
L. E. Swazie:	Twelve months' salary	as Porter and Gatekeeper	325 00
Annie Kelly:	do	Stenographer	400 00
Bidwell May:	do	Bursar	1,400 00
A. Murray, Jr.:	do	Bursar's Clerk	900 00
D. McCarthy:	do	Storekeeper	1,050 00
L. C. McIntyre:	do	Assistant Storekeeper	600 00
Jas. Martin:	Nine & one-fourth	Baker	347 22
W. H. McClure:	Two & three-fourths	do	101 61
Wm. Harper:	Twelve do	Butcher	360 00
Geo. Thompson:	do	Messenger and Stableman	240 00
Jos. Ironside:	do	Engineer	550 00
Thos. Lawlor:	do	1st Asst. Engineer	500 00
Thos. Malamphy:	One do	2nd do do	20 00
Wm. Moffatt:	Two do	do do	52 50
Peter Dickson:	Eight do	do do	205 50
Stokers (5):	Twelve do		1,115 74
N. Reed:	do	Carpenter	550 00
Wm. Addison:	do	Asst. do	500 00
Wm. Gatenby:	do	Tailor	550 00
Robt. Leslie:	Eleven do	Shoemaker	275 00
Wm. Scott:	Twelve do	Laundryman	390 00
Thos. McQueen:	do	Farmer	600 00
N. Elliott:	do	Plowman	300 00
Farm Hands (2):	do		552 00
A. Goodall:	do	Gardener	500 00
W. S. Scott:	do	Asst. Gardener	360 00
L. Honey:	One & one-half do	Stableman	30 69
Jessie S. Watson:	Twelve do	Matron	500 00
Lillie Jones:	Six & one-half do	Asst. Matron	164 52
H. E. Robertson:	Five & one-half do	do	133 87
M. McKentry:	Twelve months' salary	as 2nd Asst. Matron	240 00
Maud Gill:	do	Trained Nurse	240 00
Cooks (8):	do		1,408 48
Housemaids (4):	do		389 73
Laundresses (4):	do		705 00
Seamstresses (2):	do		384 00
A. Woodburn:	do	Chief Female Attendant	240 00
Female Supervisors (10):	do		2,075 00
Female Attendants (27):	do		3,750 08
Jas. Slater:	do	Chief Attendant (M.B.)	450 00
Jas. Thompson:	do	do (O.H.)	400 00
Male Supervisors (8):	do		2,816 00
Male Attendants (25):	do		5,890 38

## EXPENSES (\$93,420.48).

Aitchison, D. & Co.:	Lumber, flooring, etc., 263.12;	Anderson, C. J.:	Floor wax, 130 lbs., 16.90	300 02
Allen, S.:	Vinegar, 243 gals., 48.68;	barrels, 13.50		62 18
Arland, P.:	Rubber boots, 3 pra., 12.00;	Am. Medico Psychological Assn:	Annual dues, 5.00	17 00
Baxter, A. B.:	Eggs, 157 doz., 45.09;	poultry, 106.16;	vinegar, 42 gals., 12.60;	
	bacon & ham, 1,009 lbs., 141.26;	lard, 445 lbs., 53.40;	maple syrup, 20 gals., 24.00;	
	sundries, 41.78			424 29
Ballentine, Adam & Bros.:	Poultry, 97.51;	eggs, 155.21;	fruit & vegetables, 63.02;	
	veal, 178 lbs., 21.03;	lamb, 31.60;	sundry groceries, 54.10	422 47
Bowker, T.:	Onions, 58 bags, 50.50;	Bateman, P. S.:	Horseshoeing, 35.80	84 30
Beardmore & Co.:	Shoe leather, 2,686 lbs., 607.01;	roundings, 102 lbs., 17.34;		
	insoles, 24 gro., 36.00;	rivets, nails, thread, etc., 105.12;	russetts, 5 doz., 21.04;	



## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, HAMILTON.—Continued.

## EXPENSES.—Continued.

splits, 1½ doz., 23.66; top lifts, 30 doz., 27.30; laces, 20.40.....	857 87
Bryant, H.: Entertainment, 10.06; Butler, Jas.: Yarn, 570 lbs., 256.50 .....	266 56
Bell Tel. Co.: Messages, 8.45; Bursar: To pay sundries, 61.53 .....	69 98
Brennen, M. & Sons Mfg. Co.: Lumber, etc., 355.00; posts (200), 50.00; shingles, 121.00	526 00
Birdsall, T.: Music supplied .....	22 00
Brown, D. M.: Eggs, 752 doz., 143.68; poultry, 36.00; fruit & vegetables, 51.21; sundries, 54.59 .....	295 43
Central Prison Industries: Flannel, 2,549 yds., 753.39; bed springs (50), 102.00; blankets, 100 prs., 325.80 .....	1,181 19
Canada Biscuit Co.: Assorted jam, 4,009 lbs., 260.58; Case, A. E.: Potatoes, 101 bags, 97.14 .....	357 72
Common Sense Mfg. Co.: Roach powder, 1 doz., 12.00; Crawford, Jas.: Ice cream (picnic), 7 gals., 10.50 .....	22 50
Chilman, R. E.: Candies, 32.66; Cline, R. M.: Fish, 1,515.39.....	1,542 05
Clark, Jno. A.: Paraffine wax, 70 lbs., 9.10; dyes, 8 doz., 6.00 .....	15 10
Chandler & Massey: Hand books, 2 doz., 12.00; surgical appliances, 47.87.....	59 87
Crawford Bros.: Sand, 24.00; Can. Exp. Co.: Exp. charges, 6.25 .....	30 25
Catholic Cemetery: Interments, 15.00; Cook, Adam & Co.: Printing, etc., 52.50	£7 50
Cloke, J. G.: Postage stamps, 53.70; copying paper, 12 rolls, 12.00; stationery, 21.54; blank books, 7.50 .....	94 74
Dixon Bros.: Cranberries, 2 bbls., 21.00; oranges, 147 doz., 29.40; sundries, 12.48; mixed nuts, 170 lbs., 19.40; lemons, 6.00; berries, 128.30; cherries, 9.90; peaches, 36.00	262 43
Duff, Jno. & Son: Lard, 295 lbs., 26.55; bacon & ham, 334 lbs., 47.26.....	73 81
Duncan, Robt. & Co.: Postage stamps, 56.00; stationery, blank books, etc., 50.07; playing cards, 6 doz., 15.00 .....	164 67
Dow, H. & J.: Cement, 6 bbls., 16.00; lime, 10 bus., 2.50 .....	18 50
Duncan, Bros.: Tea, 1,109 lbs., 277.25; Dodsworth, A. H.: Interments, 32.00 .....	309 25
Donohue, D.: Tobacco stems, 10.00; Dom. Express Co.: Express charges, 8.84 .....	18 84
Eaton, T. & Co.: Pictures & frames, 331.14; Electric Supply Co.: Elec. fittings, 107.75	438 29
Evans, Robt. Seed Co.: Seeds, bulbs, etc, 327.63; Elliott, N.: All'ce in lieu of meals, 91.67	419 30
Finch, Bros.: Towelling, 74 yds., 12.29; galatea, 166 yds., 28.65; towels, 2 doz., 6.00; cambric, 24 yds., 3.60; frilling, 10 yds., 5.13; linen, 26 yds., 15.58; shirting, 495 yds., 74.85; yarn, 204 lbs., 87.48; cotton, 363 yds., 34.48; dress goods, 442 yds., 77.54; curtains, 3 prs., 7.50; muslin, 42 yds., 6.30; sundries, 23.95; print, 1,030 yds., 128.78; crash, 611 yds., 76.38; gingham, 526 yds., 81.52; flannel, 104 yds., 26.13 .....	696 16
Fearman, P. W. & Co.: Cheese, 2,474 lbs., 259.14; Freeman, W. A. & Co.: Fertilizer, 4,000 lbs., 65.00 .....	324 14
Fleishmann & Co.: Yeast, 60.30; Farm Exchange Account: Tallow, 3,040 lbs., 140.00	200 30
Fraser, David: (Rolled oats contract), 63 bbls., at 4.25, 267.77; corn meal, 2 bbls., 7.80; bran, 8½ tons, 136.16; sundries, 1.25; potatoes, 602 bus., 445.38.....	858 36
Ferrol Co.: Ferrol, 10 doz., 33.00; Frid, Geo. & Co.: Brick, 2,000, 20.00.....	53 00
Glassco, G. F. & Co.: Robes (2), 118.75; hats, 48.83; caps, 6 doz., 33.00; repg. robe, 1.50	202 08
Gordon Bros.: Poultry, 103.36; lard, 870 lbs., 107.25; bacon & ham, 1,060 lbs., 152.99	363 60
Gurney Foundry Co.: Grate bars, 29.14; Gerrie, Alex.: Apples, 85 bbls., 170.00....	199 14
Gerrie, Jno. W.: Baking powder, 425 lbs., 106.25; extracts, 15.42.....	121 67
Guest, E. J.: Lime, 90 bus., 18.00; Garlock Packing Co.: Packing, 37.82.....	55 82
Green Bros.: Interments, 11.00; Gripton, C.: Marking ink, 2 qts., 17.60 .....	28 60
Gardener & Thomson: Shirts, ties, etc., 4.50; Greening, B. Wire Co.: Wire guards, 14.75	19 25
Griffin, B.: Paraffine wax, 100 lbs., 12.50; Sundry drugs, 2.95 .....	15 45
Gutta Percha & Rubber Mfg. Co.: Hose, 225 ft., 64.88; fire hose, 100 ft., 88.35 .....	153 23
Good Loads Machinery Co.: Repairing boilers, machinery, etc. ....	263 48
G. T. Railway Co.: Freight charges .....	61 82
Hamilton Coffee & Spice Co.: Coffee, 2,822 lbs., 706.60; sundries, 41.34.....	747 94
Hamilton Waterworks Co.: Water, 5,852.04; Hamilton Gas Light Co.: Gas, 464.20....	6,316 24
Hamilton & Burton Incline Railway Co.: Use of Incline as per agreement .....	350 00
Hamilton Cataract Power Co.: Current for light, 2,254.95; repairs, 159.82 .....	2,414 77
Hamilton Cemetery Board: Interments.....	25 00
Hamilton & Toronto Sewer Pipe Co.: Sewer pipe, 23 feet.....	26 50
Harris Bros.: Bread, 28.14; Howard, Wm.: Rep'g. oven, 72.08 .....	100 22
Hill, Geo.: Cartage, 9.00; Howell Lithographic Co.: Lithographing, 29.25	38 25

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, HAMILTON.—Continued.

## EXPENSES.—Continued.

Hunter, R.: Purchase of meat, 11,871.86; Herald, Jos.: Tuning pianos, 10.00.....	11,881 86
Hicks, E. S., M.D.: Medical attendance <i>re</i> operation.....	15 00
Junor, Robt.: Plates, 56.10; covered dishes, 19.40; sundries, 5.65; jugs, 5 doz., 16.20; cups, 50 doz., 40.00; bowls, 30 doz., 56.00.....	151 35
Knox, Morgan & Co.: Sheeting, 1,155 yds., 254.48; cotton, 4,662 yds., 423.55; ties, 8 doz., 17.44; bunting, 207 yds., 12.40; shirts, 1½ doz., 15.50; hose, 6 doz., 15.51; corsets, 1 doz., 4.50; handkerchiefs, 13 doz., 7.10; pipes, 4 doz., 8.17; spools, 27 gro., 145.80; linen spools, 17.85; hessian, 509 yds., 69.53; flannel, 187 yds., 51.79; cottonade, 1,309 yds., 297.85; buttons, 91.50; table oil cloths, 33.00; sundries, 44.80; ticking, 985 yds., 198.29; mole, 125 yds., 28.75; serge, 142 yds., 558.87; lining, 27 yds., 17.71; tabling, 501 yds., 561.80; tweed, 710 yds., 339.77; towelling, 402 yds., 40.25; suiting, 1,054 yds., 131.84; towels, 2 doz., 7.00; gingham, 425 yds., 42.50; print, 97 yds., 9.70; hoods, 4 doz., 19.50; machine silk, 1 lb., 12.50.....	3,035 03
Kennedy, Jas. S.: Valves, castings, etc. ....	62 07
Kirkpatrick, R.: Harness, 35.00; harness repairs, 41.75.....	76 75
Lennox, Jno. & Co.: Boots and shoes, 25 prs.....	26 19
Lake & Bailey: Flour, 63 bags.....	145 40
London Ammonia Co.: Powder ammonia, 896 lbs. ....	53 76
Lees, Thos.: Spectacles, 6 doz., 21.60; repairs, 6.75.....	28 35
Lyons, E.: Potatoes, 500 bu., @ 60c. bushel.....	300 00
Myles, Thos., Sons: (Balance 1903 coal contract) Run of mine, 1,410 tons, 1,070 lbs., @ 4.48, 6,319.20; slack, 85 tons 530 lbs., @ 3.61, 307.80; hard scgs., 53 tons, 370 lbs., at 2.83, 150.51; (1904 contract) erg. 807 tons, 830 lbs., @ 6.06, 4,892.94; stove, 267 tons, 790 lbs., @ 6.06, 1,620.41; nut, 150 tons, 310 lbs., at 6.06, 909.94.....	14,200 80
Morris, Thos. S., & Co.: Chop feed, 24½ tons, 603.01; cracked wheat, 50 bags, 96.00; beans, 92 bu., 142.50; corn meal, 34 bags, 56.15; pot barley, 39 bags, 70.45; cracked wheat, 2 tons, 100 lbs., 82.00; split peas, 23 bags, 49.30; potatoes, 106 5-6 bu., 102.62.....	1,202 03
Malcolm, J. & Son: Butter contract, 53,511 lbs., @ 20c.....	6,869 93
Metropolitan Soap Co.: Laundry soap, 1,891 lbs., 94.55; Morrison, The Jas. Mfg. Co., rep'g inspirator, 15.25.....	109 80
Vack, Jno.: Drugs and chemicals, 925.80; May, S. & Co.: Cues, 7.50.....	933 30
Moore, The D. Co.: Tinware, etc., 62.05; stove, 10.00.....	72 05
Mellon S.: Castings, repairs, etc., 40.57; closets, 29.70.....	70 27
Magee-Walton Ice Co.: Ice, 877 tons.....	947 16
Vassey Harris Co.: Harrow, 18.00; repairs, 5.29.....	23 29
Macpherson, Glasco & Co.: Sugar, 46,257 lbs., 1,953.78; tea, 3,100 lbs., 775.00; dried apples, 4,298 lbs., 202.41; prunes, 11,200 lbs., 710.25; currants, 2,370 lbs., 154.24; tobacco, 1,050 lbs., 428.59; cod steak, 2,820 lbs., 224.14; syrup, 477 lbs., 190.80; raisins, 700 lbs., 51.94; pepper, 240 lbs., 48.00; starch, 1,000 lbs., 54.50; mustard, 21.60; vinegar, 125 gals., 31.38; barrels, 6.75; salt, 42 bbls., 57.85; coarse salt, 30 bags, 26.00; rice, 8,032 lbs., 295.51; sundries 51.44; canned vegetables, 90 doz. cans, 99.84; salmon, 16 doz. cans, 28.00; pickles, 11 doz., 23.40; molasses, 2 bbls., 26.53; blueing, 48 lbs., 8.64; sardines, 1½ cases, 21.72; lobsters, 8 doz. cans, 28.00; pot barley, 6 bbls., 28.70; corn starch, 80 lbs., 5.60; sal. soda, 375 lbs., 3.75; tapioca, 100 lbs., 3.75; gelatine, 3 doz., 3.30; asst'd peel, 35 lbs., 3.99.....	5,567 40
McQuarrie, Jas. J.: Poultry, 110.40; eggs, 254 doz., 63.54; sundries, 23.06.....	197 00
McFarlane, Alex.: Chop corn, 2 tons, 480 lbs., 49.28; split peas, 8 bags, 18.00; corn meal, 4 bags, 6.60; cracked wheat, 1,700 lbs., 39.10.....	112 98
McLaughlin, M. & Co.: (Balce 1903 flour contract) 62½ bbls., @ 3.42½, 214.07; (1904 contract) 580 bbls., at 3.75, 2,170.25; (16 additional) 753½ bbls. at 3.91, 2,947.49.....	5,331 81
McColl Bros. & Co.: Signal oil, 46 gals., 39.53; McClary Mfg. Co., repg. stoves, 21.13.....	60 66
McKay S.: Stabling horses, 25.00; McKenzie, A. M.: glass, 4.25.....	29 25
Nisbet & Auld: Tabling, 203 yds.....	107 32
Nordheimer Piano Co.: Repg. instruments, 7.55; sheet music, 15.24.....	22 79
Osborne, Jas. & Son: Poultry, 26.85; eggs, 170.76; sundries, 88.62.....	286 23
Olmsted, R. G.: Repairing ovens, etc.....	28 20
Ontario Rubber Co.: Pneumatic mattresses, 3, 82.50; hospital sheets, 12, 27.00.....	109 50



## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, HAMILTON.—Continued.

## EXPENSES.—Continued.

Peoples' Coal Co.: (Balce 1903 coal contract) egg, stove and nut, 483 tons 820 lbs., at 6.30, 3,045.49; (1904 contract), egg, 904 tons, 210 lbs., at 5.95, 5,379.42	8,424 91
Pugsley Dingman & Co.: Laundry soap, 5,058 lbs.	223 56
Peterboro Lock Mfg. Co.: Locks, etc., 49.88; Postmaster, rent of P.O. Box, 8.00	57 88
Pringle, W. & Son: Cracked wheat, 20 bags, 48.00; pot barley, 12 bags, 21.00; corn meal, 4 bags, 6.60; split peas, 10 bags, 22.00	97 60
Parke, C. W.: Hardwood contract, 32½ cords @ 6.72	216 72
Patterson, J. D. & Co.: Repairs to vehicles	28 65
Rogers Coal Co.: (1904 coal contract) Slack 131 tons, 320 lbs., 380.36; hard screenings, 24½ tons, at 2.25, 56.25; cannell, 45 tons at 6.20, 279.03	715 64
Renforth Cheese Co.: Cheese, 2,659 lbs., 241.94; Ross, Jos.: Wheelbarrows, 6, 30.00	271 94
Reed, Daniel: Straw, 47 tons, 270.32; potatoes, 527 5-6 bus. at .74, 390.60	660 92
Robertson, H. E.: Expenses re transfer from Brockville	12 65
Rodger, Jno.: Horseshoeing, 25.20; Ross, A.: repg. vehicles, 77.95	103 15
Russell, Jas.: Balce re table allowance, 85.28; allowance re furniture and furnishings, 79.82; trav. expenses, 8.00; exps. attending Psychological Ass'n, 100.00	273 10
Shea, Jas.: Cotton, 1,393 yds., 94.92; sheeting, 321 yds., 82.23; linen, 37 yds., 12.78; scrim, 30 yds. 6.90; muslin, 30 yds., 6.00; sundries, 8.96	211 79
Skedden Brush Co.: Scrubs, 12 doz., 26.40; asst'd. brushes, 69.70	96 10
Stuart, Jno. & Co.: Asst'd peel, 21 lbs., 2.64; raisins, 56 lbs., 3.92; tobacco, 109 lbs., 42.03; tea, 180 lbs., 45.00; rice, 1,486 lbs., 63.44; salt, 7 bbls, 9.80; tapioca, 100 lbs., 3.75; cod, 120 lbs., 8.10	178 68
Souter, A. M. & Co.: Seats, 25, 42.15; Smith, Jas.: picture frames, 81.70	123 85
Sundry newspapers: Advertising re supplies, 196.60; re fuel, 100.50	297 10
Stevenson, Geo.: Valves, plumbers' supplies, etc., 152.41; enamelled bath, basin and closets, 150.00; castors, 10.56	312 97
Shaw, Hugh: Horseshoeing	12 88
Sundry Officials: Allowance in lieu of meals: B. Way, 45.83; A. Murray, 45.83; D. McCarthy, 45.83; L. McIntyre, 45.83; Annie Kelly, 45.83	229 15
Thompson, F. C., Co.: Surgical thermometers, 1 doz., 8.00	
Taylor, Jno., & Co.: laundry soap, 5,708 lbs., 271.40	279 40
Thomson, Alex.: Hair, 1,050 lbs., 525.00; couch, 14.00; chairs, 67.50; repairs, 43.85; desk, 6.00	656 35
Taylor & Mulveny: China, glassware, etc., 46.59; jugs, 7½ doz., 28.95; bowls, 20 doz., 20.00; cups and saucers, 200, 13.34; chambers, 25 doz., 100.00; ewers, 2 doz., 9.60; basins, 1 doz., 4.80	223 28
Troy Laundry Machy Co.: Potash, 1,880 lbs., 155.10; T. H. & B. Railway, freight charges, 7.88	162 98
Thompson, Jno. R.: Picture moulding, etc., 241.28	
Taylor, W.: Cleaning chimneys, 14.00	255 28
Turnbull, A. C.: Staty, etc., 42.35; postage stamps, 37.00; mounting maps, etc., 10.50	89 85
Times Ptg. Co.: Printing, advtg., etc., 81.32; Taylor, E.: Repairs, sharpening mowers, etc., 62.55	143 87
Wilde, L.: Honey, 2,076 lbs., 155.70; Wilson, The H. A., Co.: Athletic goods, 39.37	195 07
Wenger, A.: (Balce 1903 butter contract), 1,460 lbs., at .21	306 60
Wright & Dallyn: Washing soda, 5,320 lbs., 97.30; Way, B.: trav. expenses, 7.25	104 55
Wells & Richardson Co.: Rug patterns	19 95
Wilson, Jno.: Smoke stacks, 15.50; iron tinware, etc., 31.08	46 58
Wood, Vallance & Co.: Belting, 100 ft., 25.75; glass, 226.70; hooks, 8.55; locks, 31.18; sash cord, 20 lbs., 6.00; brass hinges, 2 doz., 4.80; pulley, 5.50; table knives, forks and spoons, 49 doz, 115.20; sledge handles, 7 doz., 16.05; snow shovels, 2 doz., 7.00; turpentine, 135 gals., 114.92; raw oil, 41 gals., 20.67; white lead, 4,000 lbs., 210.00; paints and oils, 114.35; wall brushes, ½ doz., 8.00; nails, 5 kegs, 13.20; cotton waste, 176 lbs., 19.32; varnish and japan, 35 gals., 38.25; latches, 8.00; lanterns, 23.50; iron hardware, etc., 349.37; duck, 429 yds., 182.09; shellac, 6 gals, 19.50; garden tools, etc., 33.66; galv. iron, 26 sheets, 19.65; razors, ½ doz., 5.00; trimmers, 1 doz., 7.00; hose, 100 feet, 15.00; rope, 79.75; steel, 59 lbs., 7.67; machine oil, 47 gals., 14.10; cylinder oil, 128 gals., 83.20; iron pipe, 160.17; mitre box, 11.50; tarred felt, 27 rolls, 24.01; alabastine, 1 case, 6.00; cement, 6 bbls., 16.50; rakes, 2 doz., 11.00; paris green, 50 lbs., 8.00; shovels, 1 doz., 11.40; dryer, 5 gals., 4.50	

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, HAMILTON.—Concluded.

## EXPENSES.—Concluded.

varnish, 10 gals., 9.50; iron, 9.08; fire clay, 2 bbls., 6.00; drawer pulls, 3 doz., 18.00;	
valves, 18.00; cess pools, (2), 8.00	2,154 59
Watkins, Thos. C.: Handkerchiefs, 4.20; lace, 6.12; ties, 16.25; ribbon, 21.85;	
towels, 3 doz., 8.55; sheeting, 35 yds., 18.16; towelling, 48 yds., 8.64;	
suiting, 1,114 yds., 200.70; tapestry, 111 yds., 56.72; muslin, 60 yds., 12.30;	
madras, 24 yds., 7.20; rollers, 1 gro., 10.80; carpet ends, 127.26;	
holland, 100 yds. 26.64; carpet, 192 yds., 188.98; rugs, 64.25; shirting, 403 yds., 67.31;	
print, 1,160 yds, 164.37; cambric, 139 yds., 31.07; gingham, 273 yds, 62.27;	
sundries, 93.20; scrim, 48 yds., 8.64; galatea, 134 yds., 24.12; damask, 52 yds., 28.73;	
pictures, 18.85; shade cloth, 120 yds., 29.50; percale, 202 yds., 30.27;	
curtains, 2 prs., 4.76; draping, 55 yds., 6.60; sateen, 24 yds., 4.36; felt, 6 yds., 4.80	1,358 35
Woods, Walter & Co.: Brooms, 53½ doz., 156.65; ban. brushes, 2 doz., 14.40;	
stable brooms, 1 doz., 9.00; toilet paper, 1 case, 6.50; soap, 44.87;	
mats, 5-6 doz., 15.00; shoe brushes, 1 doz., 4.80; stable pails, 4 doz., 16.50;	
hair brushes, 3 doz., 24.00; sundries, 18.25; combs, 12 doz., 36.00;	
baskets, 9 doz., 29.80; horse brushes, ½ doz., 8.40	384 15
Wright, E. T. & Co.: Oil tanks, 3, 21.00; tinware, sundries, 44.55	65 55
Young, Jno. B.: Stationery	14 05
Zimmerman, J.A.: Drugs and chemicals	55 78
Sundry persons: Acouns unenumerated under 10.00	74 60
W. J. Harris, M.D.: Services as Relieving officer, 12 days	32 61
W. P. St. Charles, M.D.: Services as Relieving officer, 53 days	144 44

## ASYLUM FOR INSANE, MIMICO.

## SALARIES (\$22,112.69.)

N. H. Beemer, M.D.: Twelve months' salary as Medical Superintendent	2,000 00
J. M. Forster, M.D.: do Asst. do	1,300 00
W. P. St. Charles, M.D.: Ten & one-third do Physician	767 50
Geo. M. Biggs, M.D.: One & two-thirds do do	132 50
Mark Keilty: Six do Bursar (including rent allowance)	700 00
Jas. Coreoran: do do ( do )	750 00
W. P. Sturt: Twelve do Bursar's Clerk	650 00
Robt. Elkin: do Steward	700 00
F. N. Wallis: do Storekeeper	950 00
Jno. Gourley: do Engineer	600 00
Jas. Ailles: do do (Pump House)	500 00
Wm. Wilkinson: do Asst. do	360 00
A. Craib: do Electrician	360 00
Firemen (3): do	941 33
Adam Dyer: Two & two-thirds do Carpenter (including rent allowance)	100 00
R. Maxwell: Eight do do	200 00
S. Matheson: Twelve do Gardener	499 88
Geo. Dea: do Baker	450 00
B. Watson: do Mason	500 00
Wm. Boulton: do Farmer	500 00
Thos. Pattison: do Asst. Farmer	300 00
Jno. Golden: Three do Plowman	60 00
W. White: Eight & one-half do do	171 61
J. C. McMullen: Twelve do Laundryman	300 00
Jas. Rice: do Sewageman	306 00
Wm. Patterson: do Stableman	264 00
Thos. Dunn: do Messenger	348 00
Geo. Stubbs: do Butcher	264 00
Male Supervisors (6): do	1,949 00
Male Attendants (16): do	4,205 81
Night Watchmen (2): do	450 00
Jas. Aldridge: do Shoemaker	175 04

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, MIMICO.—Continued.

## SALARIES.—Continued.

M. H. Quinlan:	Twelve months' salary as	Matron	500 00
M. Semple-Dixon:	do	Asst. Matron	300 00
Agnes Redick:	do	Tailoress	300 00
Sarah Moore:	do	Seamstress	180 00
Cooks (2):	do		535 00
Maids (4):	do		439 64
Laundresses (4):	do		604 06
Female Supervisors (5):	do		1,008 00
Female Attendants (15):	do		2,180 32
Female Night Watches (2):	do		299 00
Eliza Alexander: One	do	Musical Directress	12 00

## EXPENSES (\$55,044.10.)

Aikenhead Hardware, Ltd.: Glass, 27.00; iron, hardware, etc., 95.86; Keys, 18.00; glue, 20 lbs., 4.00; sash cord, 20 lbs., 9.07; band saws 2, 3.85; weather strips, 7.08; nails, 5.50; latches, 6.00; chamois skins, $\frac{1}{2}$ doz., 4.50; razor strops, 1 doz., 6.00; wire guards, 15.00; wire cloth, 8 yds., 4.00	205 79
<i>Am. Medico Psychological Ass'n</i> : Annual dues, 1904 and 1905	10 03
<i>Am. Journal of Insanity</i> : Sub., 5.03; <i>Alienist and Neurologist</i> : Sub., 5.00	10 03
Beardmore & Co.: Shoe leather, 176.27; nails, rivets, thread, etc., 15.90	192 17
Beardmore Belting Co.: Belting, 100 ft., 16.34; Bull, E. C.: photo suplies, 8.00	24 34
Bigley, R.: Cuspidors, 1 doz., 6.25; oil stoves, 8, 8.80	15 05
Balfour & McLaren: Tea, 1000 lbs., 190.00; Butler, Jas.: Yarn, 650 lbs., 335.00	525 00
Barron, R.: Lamp shades, 10.75; sundry groceries, 19.52	30 27
Bonner, J.: Roach powder, 20 lbs., 10.00; <i>British Med Ass'n</i> Sub, 6.09	16 00
Bell Tel. Co.: Messages, 12.75; Bursar: To pay sundry items, 76.93	89 68
Beemer, N. H., M.D.: Balance <i>re</i> table allowance, 435.01; allowance, <i>re</i> furniture and furnishings, 86.58; car tickets, 16.00; expenses attending Medical Convention St, Louis, 100.00	637 59
Central Prison Industries: Blankets, 1008 lbs., 424.60; tweed, 564 yds., 222.25; wire springs, 12, 24.00; wrappers, 3.50; dumb bells, 50 pairs, 17.63; boots, 48 prs., 79.20; slippers, 84 prs., 102.90	934 08
Canadian Oil Co.: Coal oil, 311 gals., 61.28; white lead, 1000 lbs., 46.00; raw oil, 43 gals., 19.78; packing, 9 lbs., 7.50; floor wax, 110 lbs., 8.25; paints and oils, 28.69	171 50
Cressman, A. W.: Shirting, 441 yds., 52.98; cotton, 400 yds., 44.00	96 98
Caulfield, Burns & Gibson: Mitts, 7 doz., 31.88; Canada Biscuit Co.: Biscuits, 28.27	60 15
Campbell, A.: Middlings, 4 $\frac{1}{2}$ tons, 84.00; chopping feed, 24.31; bran, 3 tons, 51.45	159 76
Cameron, L. K.: Stat'y and paper, 209.81; Connal, P. & Son: Coffee, 350 lbs., 92.50	302 31
Crawford, Jas.: Rolled oats, contract, 65 bbls. @ 4.25	276 25
Cataract Refining Co.: Cylinder oil, 43 gals., 28.15; Eng. oil, 40 gals., 17.96	46 11
Common Sense Mfg. Co.: Roach powder, 5.00; Cowan, J.: Cleaning chimneys, 13.75	18 75
Can. Gen'l Electric Co.: Electrical supplies, 203.78; Craib, A.: Board of messenger, 7.00	210 78
Chandler & Massey: Rubber gloves, 2 prs., 2.50; vaccine, 16.00; surgical appliances, 173.68	192 18
Carveth, J. A. & Co.: Medical books, 6.00; Copp Clark Co.: Stat'y, 9.36	15 36
Craib, Jno.: Horseshoeing, 102.98; Coles, Geo.: Confectionery, 9.20	112 18
Cyderman, G. W.: B'd for mes'ger and horses, 121.40; Can. Exp. Co.: Exp. chgs., 71.52	192 92
Doyle, The M. Fish Co.: Fish, 15,215 lbs., 1,219.05; Davis, Jno. & Son: Flower pots, 1650, 60.00	1,279 05
Dineen, W. & D. Co.: Felt hats, 7 doz., 42.00; straw hats, 3 doz., 9.00; sundries, 3.40	54 00
Duncan, Mary G.: Services trained nurse	51 00
Devins, I.N.: Ice cream, (picnic), 9 gals, 11.25; sundries, 3.00	14 25
Eckhardt, H. P. & Co.: Raisins, 336 lbs., 25.20; sugar, 7,675 lbs., 293.38; rice, 5000 lbs., 190.63; tomatoes, 6 doz. cans, 6.30; tobacco, 269 lbs., 104.91; nutmegs, 5 lbs., 4.00	614 42
Eureka Mineral Wool Co.: Asbestos pipe covering	22 53
Eby Blain Co.: Tea, 1000 lbs., 250.00; currants, 705 lbs., 45.83; coffee, 165 lbs., 24.25; matches, 17 c/s, 53.75; sugar, 21,526 lbs., 963.44; starch, 774 lbs., 58.05; extracts, 6 doz., 18.00; tomatoes, 5 c/s., 10.70; chicken soup, 4 doz., qts., 11.40:	

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, MIMICO.—Continued.

## EXPENSES.—Continued.

mustard, 22.80; pepper, 50 lbs., 9.50; prunes, 500 lbs., 32.50; rice, 6,969 lbs., 231.33; pickles, 1 bbl., 16.25; baking powder, 35 lbs., 8.75; syrup, 4,231 lbs., 157.95; raisins, 715 lbs., 53.78; corn, 2 c/s, 4.80; sapollo, 2 gro., 22.60; borax, 112 lbs., 7.28; tobacco, 570 lbs., 222.30; tapioca, 186 lbs., 7.44; wrapping paper, 6 reams, 15.75; paper bags, 18.25; sundries, 50.12	2,371 82
Flett, Lowndes & Co.: Holland, 49 yds., 8.82; silesia, 550 yds., 99.53; linen thread, 11 lbs., 27.35; sundries, 15.38; buttons, 27.63; elastic, 7.00; thread, 2 gro., 10.80; canvas, 150 yds., 20.25; needles, 6000, 6.00	222 76
Foy, Geo. J.: Spirits for medicinal purposes	90 00
Fraser, Rev. R. D.: S. S. publications, 7.00; Farm Exchange Account: Hogs, 2,348 lbs., 167.66	174 66
Godden, C. P.: Glass, 20.00; grindstone, 7.00; solder, 62 lbs., 15.75; shovels, 1 doz., 15.00; manure forks, 1 doz., 9.60; padlocks, 1 doz., 3.00; castings, 22.25; iron hardware, etc., 160.63; gauge glasses, 7.25; dippers, 1 doz., 3.00; hand bells, $\frac{1}{2}$ doz., 3.00; spades, 1 doz., 15.00; rakes, 2 doz., 15.00; steam trap, 15.00; nails, 5 kegs, 14.40; discs, 8.40; galv. pails, 2 doz., 10.00; dish pans, $\frac{1}{2}$ doz., 6.00; oil cans, 1 doz., 3.00; lead pipe, 50 ft., 4.76; snow shovels, 1 doz., 6.50	364 54
Gutta Percha & Rubber Mfg. Co.: Rubber boots, 2 prs., 9.76; tar paulin, 7.20	16 96
Grant-Hamilton Oil Co.: Paint, 10 gals., 7.50; Gurney Foundry Co.: Castings, 10.35	17 85
Gowans Kent & Co.: China, glassware, etc., 59.18; lamp and shade, 8.62; tea cups, 15 doz., 10.50; bowls, 5 doz., 3.35; jugs, 2 doz., 4.80; plates, 10 doz., 6.00; tumblers, 1 gro., 3.60	96 05
Grand & Toy: Stationery, 4.60; blank books, 7.20	11 80
Gegnac, Rev. T. F.: Car tickets, 8.50; Gripton, C.: Rubber stamps, etc., 15.05	23 55
Grenadier Ice & Coal Co.: Ice, 298-1150 tons, 345.39; Gibson, E. H.: Services trained nurse, 42.00	387 39
Graham, R.: Rolled oats contract, 10 bbls. @ 5.00	50 00
Griffin Curled Hair Co.: Hair, 200 lbs., 70.60; Glionna's Orchestra, Music supplied, 26.20	96 80
G. N. W. Tel. Co.: Telegrams, 54.48; G. T. Railway Co.: Freight charges, 17.99	72 47
Hamilton, W. H.: Rice, 2240 lbs., 89.60; currants, 434 lbs., 30.42; matches, 3 gro., 3.60	123 62
Henry Co'y: Tapioca, 190 lbs., 6.10; corn starch, 160 lbs., 9.60; tobacco, 300 lbs., 117.00	132 76
Howland, H. S. Sons & Co.: T'le spoons, knives, etc., $1\frac{1}{2}$ gro., 40.80; razors, 1 doz., 10.20; strops, 1 doz., 4.20; lawn mowers, 12, 51.00; iron hardware, etc., 61.54	167 74
Hunter, R.: Purchase of meat, 5,472.59; Hunter, Moses: Corn, 20 bu., 12.82	5,485 41
Hamilton, W. B. Shoe Co.: Boots and shoes, 134 prs., 139.25; laces, 12 gro., 10.75	150 00
Hall, R. & Son.: Sheeting, 444 yds., 111.06; bath towels, 12 doz., 57.60; crash, 274 yds., 31.51	200 17
Heeson Grate Bar Co.: Grate bars, 778 lbs., 35.00; Hodgson, Grace: Services trained nurse, 57.00	92 00
Heather, H.: Iron, tinware, repairs, etc., 184.62; Hobbs Hardware Co.: Disinfectant, 45 gals., 61.43	246 05
Inglis, Jno. Co.: Repairs to boilers, 42.38; Jamieson, P.: Overcoat, 9.00	51 38
Keith & Fitzsimons Co.: Electrical fittings, 24.10; Keilty, M.: Car tickets, 23.00	47 10
Kent, Ambrose & Sons: Clock repairs, 7.70; thermometers, 1 doz., 6.00	13 70
Kay, Jno. Son & Co.: Muslin, 10.14; cleaning carpets, 5.70; drapery, silk, 5 yds., 4.05	19 89
Lane, Andrew: Rep'g harness, 23.60; Larkin, P. C. & Co.: Tea, 2361 lbs., 590.25	613 85
Lukes, B.: Services, 1 mo. as Asst. Matron, 25.00; Lott, B. O.: Honey, 702 lbs., 49.14	74 14
London Ammonia Co.: Powder ammonia, 227 lbs	13 62
Marshall, G. E., M.D.: Medical services to smallpox patient, 33 days @ 6.00 per diem	198 00
Morrison, The Jas. Brass Mfg. Co.: Repairs	9 45
Murray, W. A. & Co.: Curtains, 5 prs., 35.00; table covers, 2, 6.50; duck, 217 yds., 27.16; doylies, 2 doz., 4.00; sundries, 104.28; cambric, 100 yds., 19.24; t'le linen, 25 yds., 25.00; shirtings, 57 yds., 18.16; madras, 48 yds., 28.20; print, 166 yds., 19.14; embroidery, 45 yds., 9.00; matting, 17 yds., 6.20; silkoline, 40 yds., 5.84; braces, 10 doz., 30.00; flannelette, 62 yds., 7.81; bath towels, 1 doz., 9.00; frince, 98 yds., 6.75; dimity, 50 yds., 10.00; elastic, 3 doz., 7.50; sateen, 35 yds., 10.42; muslin, 112 yds., 17.83; quilts, 102, 89.25; silk, 8 yds., 4.40; tapestry, 21 yds., 27.64; lustre, 65 yds., 39.00; cretonne, 37 yds., 9.85; towels, 5 doz., 17.00; napkins, 4 doz., 14.00; rugs, 44 50; counterpanes, 2, 12.00; dress goods, 10 yds., 6.75; drapery, 5.10	677 12
Mann, Jno. & Sons: Nut and stove coal, 218-1920 tons @ 6.20	1,357 55



## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, MIMICO.—Continued.

## EXPENSES.—Continued.

Moore, Wm. & Son: Prunes, 1500 lbs., 100.63; lemons, 8 c/s, 27.65; nuts, 120 lbs., 16.20; oranges, 3 c/s, 10.88; raisins, 2 boxes, 6.50; cranberries, 1 bbl., 10.00; cherries, 18 baskets, 24.30; peaches, 20 baskets, 20.00	216 76
Maloney, Jno. & Co.: Cement, 24½ bbls., 65.25; lime, 25.66; teaming, 10.40; plaster, 2 bbls., 4.00; tile, 900 ft., 20.25; hair, 1.00; fire clay, 5.00; fire brick, 3m., 30.00; sundries, 6.70; brick, 1003, 10.00	179 26
Matthews, F.: Smoking hams, 5.11; Munro Bros.: Drugs and chemicals, 651.60	656 71
Maher, P.: Livery hire, 27.00; Mallon, Jno & Co.: Veal, 19.46	46 46
Mimico Electric Ry.: Car tickets, 13.05; Might Directories, Ltd.; Directory, 6.00	19 05
Macdonald, Jno. & Co.: Shaker, 1498 yds., 157.66; denim, 440 yds., 91.47; suiting, 104 yds., 229.90; cotton, 3182 yds., 283.84; towelling, 550 yds., 57.97; print, 511 yds., 51.10; horse blankets, 3, 6.50; muslin, 168 yds., 19.33; ribbon, 16.20; braces, 10 doz. pr., 17.50; sweaters, 7.88; handkerchiefs, 15.25; ties, 9.00; shawls, 9.00; lining, 101 yds., 10.47; batting, 6 bales, 42.00; shirting, 912 yds., 119.50; sheeting, 610 yds., 136.86; towels, 24 doz., 71.90; flannelette, 266 yds., 27.98; sundries, 71.26; crochet cotton, 9 gro., 58.40; linen, 10 yds., 5.00; lustre, 16 yds., 8.95; dress goods, 78 yds., 16.80; rugs, 18.60; tabling, 145 yds., 67.48; cretonne, 505 yds., 44.73; thread, 34.58; napkins, 8 doz., 12.00; embroidery, 16.08; print, 1791 yds., 180.90; cocoa mats, ½ doz., 6.88; corduroy, 121 yds., 105.88; buttons, 29.75	2,058 60
McMahon, Broadfield & Co.: Jugs, 10 doz., 26.00; plates, 53½ doz., 42.38; tea plates, 20 doz., 14.00; china ware, etc., 28.80; cuspadors, 1 doz., 7.50; tumblers, 3 gro., 14.40; bowls, 37 doz., 29.15; platters, 1 doz., 3.60; covered dishes, 1 doz., 5.60; tea cups, 36 doz., 19.20; ewers, 1 doz., 4.00	194 63
McWilliam & Everist: Berries, 33.75; Macdonald, H. S.: Drugs & chemicals, 25.49	59 24
McElroy, B.: Trav. expenses, 6.00; McKay, A.: Services temp'y baker, 55.00	41 00
McLaughlin, M. & Co.: (Balce 1903, Flour contract, 100 bbls. @ 3.37½, 537.51; (1904 contract) 340 bbls. @ 3.70; 1,258.00; (16c. additional) 586½ bbls. @ 3.86, 2,263.89	3,859 40
Nelson, H. W. & Co.: Pipes, 17.59; mirrors, 3.35; playing cards, 6 doz., 7.20; whisks, 2 doz., 3.70; brooms, 50 doz., 134.46; hair brushes, 2 doz., 12.50; combs, 2½ gro., 22.75; sundries, 4.42	205 97
Nisbet & Auld: Tweed, 288 yds., 283.09; Nugent, Jno.: Drugs and chemicals, 34.15	317 24
Ontario Rubber Co.: Packing, 24 lbs., 18.19; gaskets, 32 lbs., 27.42; hose, 12 ft., 4.20; rubber boots, 8 prs., 27.20; oiled jackets, 2, 3.00; oiled pants, 2 prs., 3.00; overshoes, 21 prs., 15.46; pneumatic mattress, 22.50; hospital sheets, 4 doz., 86.40; sundries, 15.21	222 53
O'Connor, Wm.: Berries, 21.70; Ont. Pubg. Co.: Sub. "Canada Lancet" 5 yrs., 6.00	27 00
Pugsley, Dingman & Co.: Ldry soap, 22,338 lbs., 1,005.82; Petrie, H. W.: Vise, 14.00	1,019 02
Piper, N. L., Railway Supply Co.: Lanterns, 1 doz.	9 00
Park, Blackwell Co.: Creamery butter contract, 19,280 lbs.	3,952 41
Peterboro Hardware Co.: Linseed oil, 45 gals., 20.53; white lead, 1,000 lbs., 46.50; turpentine, 39 gals., 34.32	101 35
Queen City Oil Co.: Coal oil, 357 gals., 56.20; safety oil, 433 gals., 90.75; parafine wax, 311 lbs., 28.44	175 37
Quinlan, M. H.: Car tickets	28 00
Ryan, Wm. & Co.: Butter contract, 299 lbs. @ 17c., 50.83; creamery butter contract, 448 lbs., @ 21c., 94.08; eggs, 3840 doz., 851.45; turkeys, 792 lbs., 143.64; flour, 1 bbl., 5.75; geese, 617 lbs., 74.04; bacon and hams, 34 lbs., 4.59; rolled wheat, 45 bbls., 140.00; corn meal, 25 bbls., 103.75; salt, 40 bbls., 72.75; onions, 4 bags, 6.60; maple syrup, 5 gals., 5.00; sundries, 3.50; cheese, 3329 lbs., 344.70; evap. apples, 500 lbs., 35.00; beans, 37 bu., 55.13	1,988 61
Rutherford, Marshall & Co.: Butter contract, 3579 lbs. @ 16½c.	599 48
Rogers, Elias Co.: (Balce 1903 coal contract) Large egg, 157 tons @ 6.10, 957.70; cannell, 24-1810 tons @ 6.95, 173.09; soft segs., 36-430 tons @ 3.95, 143.05; cord wood, 40½ cords @ 6.65, 269.33; (1904 contract) soft segs., 142-1475 tons @ 3.55, 478.17; grate, 1837-1045 tons @ 6.07, 11,153.76	13,175 10
Rice Lewis & Son: Boiler tubes, 32' 0; iron, 6.98; fire set, 6.00; athletic goods, 29.79; table ware, etc., 17.50	92 18
Rogers Furniture Co.: Reprg. furniture, etc., 22.65; tow, 229 lbs., 6.87	29 52
Rolph, Smith Co.: Engraving, 11.25; Robertson, The Jas. Co.: Castings, 30.92	42 17



## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, MIMICO.—Concluded.

## EXPENSES.—Concluded.

Rogers, Chas. & Sons Co.: Rep'g & upholst'g, 41.60; perf. seats, 72, 10.80; tow, 841 lbs., 28.63	81 03
Rathbone, G.: Sawdust, 3.20; lumber, etc., 10.68	13 88
Rennie, Wm.: Seeds, bulbs, etc., 69.88; Rutz, J. E.: Graham flour, 400 lbs., 8.00	77 88
Swan Bros.: Poultry, 63.78; raisins, 116 lbs., 10.44; sugar, 199 lbs., 10.93; biscuits, 99.08; beeswax, 10 lbs., 6.00; paper bags, 23.59; paper, 16.01; soap, 16.20; tubs, 18, 13.75; coffee, 400 lbs., 110.00; cocoa, 6 lbs., 3.00; candies, 40.40; sapolio, 4 gro., 44.00; sago, 158 lbs., 6.72; baking powder, 210 lbs., 52.50; cinnamon, 35 lbs., 10.00; vanilla, 2 doz., 9.00; twine, 64 lbs., 19.89; sundries, 118.43; pepper, 175 lbs., 36.75; chicory, 75 lbs., 8.05; lye, 1 c/s, 5.75; pipes, 2.55; pails, 5 doz., 10.50; wash boards, 2 doz., 4.20; starch, 90 lbs., 7.35; tomatoes, 3 c/s, 6.60; sardines, 1 c/s, 10.00; camphor, 10 lbs., 12.50	778 97
Sparrow, W. H.: Table knives, 2 doz., 11.00; brass kettle and stand, 6.00; scales, 5.00; iron, tinware, etc., 62.69	84 69
Sullivan, J. C.: Tobacco, 510 lbs., 198.90; Standard Vinegar Co.: Vinegar, 26 gals., 23.20	222 10
Smith, Jno. B. & Sons: Lumber, etc., 443.30; picture moulding, 9.00	452 30
Sutcliffe, J. & Sons: Batting, 6 bales, 45.00; flannelette, 524 yds., 46.72; cotton, 535 yds., 48.17	139 89
Sewart & Wood: White lead, 2,000 lbs., 95.00; turpentine, 89 gals., 77.40; boiled oil, 93 gals., 50.39; paints and oils, 42.25; japan dryer, 10 gals., 9.00; varnish, 10 gals., 8.00; wall brushes, 1 doz., 16.25; sundries, 33.63; oak varnish, 5 gals., 8.75; glass, 41.90	382 57
Sheridan Mfg. Co.: Castings, 52.18; Smith Bros.: Rep'g vehicles, 5.75	57 93
Sanderson & Rossiter: Assorted brushes, 7 doz., 17.60; scrubs, 11 doz., 24.20; dusters, 2 doz., 6.00; sundries, 11.70	59 50
Smith's Dye Works: Cleaning & dying, 17.00; Slater, Jno.: Horseshoeing, etc., 55.84	72 84
Sadler & Haworth: Leather belting, 30 ft., 39.00; lacing, 200 ft., 4.00	43 00
Sundry Newspapers: Advertising: Advertising re supplies, 133.30; re fuel, 60.00	193 30
Smith, Andrew: Harness repairs, 60.23; harness, 1 set, 40.00	100 23
Smith, A., V.S.: Professional services and medicines	30 25
Steele, Briggs Seed Co.: Seeds, bulbs, etc., 89.62; oil cake, 67.75	157 37
St. Charles, W. P.: Trav. expenses, 21.00; admissions of patients to exhibitions, 25.00	46 00
Taylor, Jno. & Co.: Toilet soap, 8 gro., 57.60; Thompson, Geo. A.: Mail bag, 8.50	66 10
Toronto Salt Works: Salt, 6 bbls., 8.10; land plaster, 6 bags, 4.85	12 95
Tulley, J. D.: Drugs and chemicals, 28.38; Toronto Railway Co.: Car tickets, 23.45	51 83
Turnbull, J. C. & Co.: Shirting, 556 yds., 83.36; hessian, 554 yds., 105.26; ticking, 617 yds., 117.18; linen, 24 yds., 12.00	317 80
Vance & Co.: Plums, 25 baskets, 17.50; peaches, 30 baskets, 25.50	43 00
Vienna Pressed Yeast Co.: Yeast, 339 lbs	88 14
Warren Bros. & Co.: Sugar, 15657 lbs., 632.52; tobacco, 510 lbs., 198.90; sundries, 2.50; raisins, 140 lbs., 9.80; sapolio, 4 boxes, 11.40	855 12
Wenger, Aaron: (Balance 1903 butter contract), 2678 lbs. @ 21c	562 38
Wheeler & Bain: Oil stoves, 12, 17.40; galv. iron pails, 3 doz., 12.60; iron, tinware, etc., 20.25; iron handles, 6 doz., 7.20; milk cans, 4, 8.00; wash boilers, 2, 6.00	71 45
West Chemical Co.: Disinfectant, 40 gals., 40.00; Warwick Bros. & Rutter: Printing and stationery, 103.85	143 85
Wood, W. Lloyd: Vaccine, 15.00; Werden, A.: Postage stamps, 140.00	155 00
Wilson, H. A. Co.: Athletic goods, 7.20; subs. magazines, etc., 51.20	58 40
Sundry persons: Accounts unenumerated under 10.00	56 70

## ASYLUM FOR INSANE, BROCKVILLE.

## SALARIES (\$25,553.58.)

J. B. Murphy, M.D.: One months' salary as Medical Superintendent	158 33
T. J. Moher: Eleven & one-third do do	1,802 96
R. W. Bruce Smith, M.D.: Nine months' salary as Assistant Physician	975 00
J. C. Mitchell, M.D.: Three do do	325 00
Harvey Clare, M.D.: Twelve do 2nd do do	850 00
W. P. Dailey: do Bursar (board) (rent allowance)	1,650 00

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, BROCKVILLE.—Continued.

## SALARIES.—Continued.

J. A. Laidlaw: Twelve months' salary as	Storekeeper (board) (rent allowance)	1,000 00
R. A. Bush: do	Engineer	550 00
W. J. Fraser: do	Asst. Engineer	400 00
D. McCrimmon: do	Farmer	550 00
W. J. McKay: do	Messenger	475 00
J. Weatherstone: do	Carpenter	550 00
P. Crilly: do	Tailor	500 00
P. Kilgour: do	Baker (board)	525 00
Jno. Richards: do	Gardener (rent allowance)	534 00
W. Ferguson: do	Chief Attendant	400 00
Male Supervisors (6): do		1,918 79
Male Attendants (16): do		3,672 30
Stokers (4): do		863 61
Night Watchmen (2): do		537 00
W. Hough: do	Laundryman	300 00
T. Tenant: Five & one-half	Farm Hand	101 33
A. Arnold: Six	do	122 00
E. J. Burns: Five	Butcher	136 44
Jas. Bolger: Seven	do	175 00
J. R. Gibson: Twelve	Matron	500 00
H. E. Robertson: Six & one-half	Ast. Matron	166 13
L. McGillicuddy: Three	do	84 67
M. A. Kitts: Two	do	50 00
M. A. Kitts: Ten	Chief Female Attendant	208 31
Female Supervisors (6): Twelve		1,176 00
Nurses (14): do		2,080 12
Female Night Watches (2): do		324 00
M. J. Collins: do	Seamstress	180 00
Cooks (3): do		407 64
Laundresses (3): do		528 00
Maids (3): do		552 03
Bertha Walsh: do	Stenographer	224 92

## EXPENSES. (\$68,400.25.)

Abbott, A.: Hay, 22 tons, 370 lbs., 199.66; <i>Am. Med. Journal</i> : Sub., 5.00	204 66
Baird Bros.: Print, 431 yds., 45.28; ticking, 216 yds., 43.20; needles, 1.60; shirting, 300 yds., 38.94	129 02
Brown & Semple: Heintz steam traps, 2, 15.80; castings, 7.87	23 67
Brown, H. & Sons: Bran, 8½ tons, 158.88; chop feed, 12 tons, 278.00; seeds, 19.48; oats, 125 bus., 52.25; apples, 3 bbls., 8.25	516 86
Bradfield, Mrs.: Straw, 3 tons, 760 lbs., 16.90; Beattie, Jno.: apples, 22 bu., 11.00	27 90
Buell, C. H. & Sons: Oranges, 23.70; grapes, 6.50; cranberries, 1 bbl. 10.50; candy, 24.82; cherries, 4.00; peaches, 8.30; sundries, 13.75	91 55
Brockville Waterworks: Water, 2,000.00; Brockville Light & Power Co., gas, 3,156.69	5,156 69
Bissell, H.: Cheese, 3,839 lbs., 431.82; Butler, Jas.: Yarn, 200 lbs., 100.00	531 82
Blair, H.: Turkeys, 209 lbs., 35.53; geese, 675 lbs., 87.75	123 28
Braniff, J. E.: Tweed, 50 yds., 60.00; cottonade, 120 yds., 51.20; silesia, 80 yds., 17.71; canvas, 75 yds., 13.13; linen thread, 4 lbs., 11.00; buttons, 14.00; needles, .80	147 84
Booth Bros.: Eggs, 907 doz., 153.72; Bursar, to pay sundries, 22.08	175 80
Blair, Jno.: Maple syrup, 44 gals., 44.00; berries, 20.16	64 16
Buchanan & Sheridan: Interments, 168.00; hair, 200 lbs., 80.00; dresser, 12.00; fibre, 243 lbs., 19.44; twine, 6 lbs., 3.00; ticking, 56 yds., 11.30; sundries, 10.61	304 35
Bell Telephone Co.: Messages, 10.45; repairs, 14.86	25 31
Can. Oil Co'ys.: Ldry soap, 2,002 lbs., 110.11; Cossitt, C. T.: Ldry soap, 3 boxes, 11.25	121 36
Central Prison Industries: Blankets, 840 lbs., 357.50; tweed, 757 yds., 370.00; bed fabrics, 12, 24.00; tools, 6.65	758 15
Coates, Wm. & Son: Tableware, 5 doz., 27.85; sheet music, 14.07; repg. clocks, 1.75	43 67
Cameron & Soper: Plates, 5 doz., 4.50; pitchers, 3 doz., 16.00; plates, 15 doz., 13.20; tumblers, 10 doz., 5.00; bowls, 11 doz., 12.90; covered dishes, 1 doz., 4.80; tea cups, 15 doz., 10.50; gal. jugs, 4 doz., 24.00; chinaware sundries, 26.58; fruit jars, 5 doz., 3.75; chambers, 5 doz., 20.00	141 23

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, BROCKVILLE.—Continued.

## SALARIES.—Continued.

Cameron, A. E.: Bran, 6½ tons, 127.50; oats, 300 bu., 111.00; sundries, 2.00; chop feed, 6 tons, 133.50	374 00
Crawford, Jas.: (Balce 1903 potato contract) 147 5-6 bus. at .70, 103.48; (1904 contract) 2,418 bu., @ 64c., 1,546.45	1,649 91
Cummings, Jas.: (Balce 1903 rolled oats contract), 10 bbls. at 4.60, 46.00; 1904 rolled oats contract, 140 bbls., at 4.20, 588.00; split peas contract, 7 bbls., at 4.90, 34.30; oats, 521 bus., 268.40; chop feed, 3½ tons, 85.00; bran, 5 tons, 56.00; chop peas, ½ ton, 6.50	1,024 20
Curry, F. R.: Drugs & chemicals, 610.27; paraffine wax, 120 lbs., 21.70; sundries, 19.85	651 82
Common Sense Mfg. Co.: Roach powder, 20 lbs., 20.00; Coll. of Customs: Duty charges, 2.75	22 75
Can. Exp. Co.: Exp. charges, 7.15; C. P. Railway Co.: Freight charges, 5.31	12 46
C. P. R. Tel. Co.: Telegrams, 3.57; Cataract Refining Co.: Boiler compound, 125 lbs., 18.75	22 32
Dobbie, A. G. & Co.: White lead, 1,800 lbs., 99.00; gas, globes 16 doz., 44.00; iron hardware, etc., 69.64; boiled oil, 46 gals., 27.90; paint brushes, 6.60; turpentine, 45 gals., 50.69; varnish, 9½ gals., 28.80; shellac, 2 gals., 6.50	333 13
Davies, The Wm. Co.: Corn beef, 400 lbs., 32.00; sausage, 200 lbs., 18.00	50 00
Derbyshire, D. & Co.: (Balce 1903 butter contract), 1,528 lbs., at .22, 336.16; (1904 butter contract), 17,701 lbs. at .22, 3,894.22	4,230 38
Davis, M.: Apples, 28 bus., 14.00; Derosia, P.: Fish, 946.15	960 15
Downey, D. W.: Boots, 303 prs., 388.10; rubbers, 2.35; coat, 6.50	396 95
Dailey, W. P.: Trav. expenses, 17.35; Dwyer, P.: Wages plastering, 18.00	35 35
Elliott, Jas.: Flower pots	8 39
Farm Exchange Account: Pork, 1,870 lbs., 140.24; beef, 3,358 lbs., 218.26	358 50
Fairbairn, F. E.: Cylinder oil, 55 gals., 55.50; Fullerton, A.: Drugs & chems., 72.82	128 32
Ferguson, W.: Admissions of patients to circus	25 00
Gilmour & Co.: Tea, 3,430 lbs., 857.50; coffee, 1,000 lbs., 270.00; sugar, 49,366 lbs., 1,934.53; syrup, 234 gals., 79.99; tobacco, 1,221 lbs., 493.95; rice, 10,750 lbs., 362.83; prunes, 9,500 lbs., 522.50; figs, 8,079 lbs., 446.37; raisins, 382 lbs., 32.10; sago, 1,593 lbs., 79.65; salt, 66.45; borax, 150 lbs., 10.75; evap. apples, 2,064 lbs., 112.20; currants, 288 lbs., 15.20; pickles, 8 doz., 19.10; sauces, 1 doz., 6.50; corn starch, 280 lbs., 19.40; laundry starch, 1,200 lbs., 63.75; pot barley, 27.00; brooms, 49 doz., 112.10; sal soda, 31.90; baking powder, 12 doz., 18.00; canned fruit, 118 doz. cans, 232.80; canned vegetables, 28 doz. cans, 35.20; asst'd jam, 294 lbs., 24.29; vinegar, 160 gals., 32.30; matches, 10 cases, 40.00; tapioca, 342 lbs., 13.68; mustard, 27 jars, 20.05; table raisins, 5.50; scrub brushes, 15½ doz., 19.38; soap, 64.99; lye, 4 cases, 14.60; lard, 1,880 lbs., 187.40; lobsters, 1½ doz., 5.13; pepper, 132 lbs., 28.12; pearlina, 1 case, 3.80; combs, 50 doz., 36.68; blueing, 56 lbs., 6.72; cocoa, 2 doz., 4.80; nails, 1 doz., 2.20; codfish, 180 lbs., 12.60; salmon, 12 doz., 19.20; asst'd peel, 48 lbs., 7.00; breakfast foods, 15.63; asst'd nuts, 25.50; toilet paper, 1 case, 6.50; cuspadors, 1 doz., 7.50; sundries, 203.71	6,657 05
Greene, J. & Co.: Stationery, etc., 96.50; Gurney Foundry Co.: Boiler repairs, 16.90	113 40
Grant, Hamilton Oil Co.: Ldry. soap, 4,236 lbs., 211.83; Gripton, C.: Rubber stamps, etc., 16.20	228 03
Gordon, J. F.: Yarn, 398 lbs., 143.30; G. T. Railway Co.: Freight charges, 59.70	203 00
Gillerlain, Wm.: Hay, 12 tons, 109.04; straw, 1,630 lbs., 4.07	112 11
Herron, Jas. A.: Apples, 89.80; Hobbs Hardware Co.: Disinfectant, 44 gals., 44.50	134 30
Hunter, R.: Purchase of meat, 8,124.77; Hazelton, Geo. W.: Patterns, 5.00	8,129 77
Hay Floral & Seed Co.: Wreath (late Dr. Murphy), 18.00; seeds & bulbs, 7.32	25 32
Judson, Joel: Repg. vehicles, 6.50; Johnston, C. W.: Inspection of scales, 7.00	13 50
Kehoe, M. J.: Serge, 121 yds., 533.78; buttons, 3.00; cottonade, 222 yds., 62.16; silesia, 53 yds., 7.95; canvas, 150 yds., 22.50; linen thread, 8 lbs., 23.20; lining, 76 yds., 60.60	513 19
Kingston Asylum: Scrub brushes, 15 doz.	30 00
Lewis & Patterson: Sundry furnishings, 45.23; cotton, 3,222 yds., 317.52; sheeting, 1,132 yds., 238.11; thread, 64.35; pillow cotton, 98 yds., 18.62; shirting, 779 yds., 109.02; cheese cloth, 294 yds., 14.70; lining, 58 yds., 8.98; towels, 9 doz., 19.55; flannellette, 1,196 yds., 134.11; bed spreads (66), 72.70; buttons, 22.00; braces, 11 doz., 26.40; rubber sheets (109), 169.20; lace curtains, 18 prs., 64.00; napkins, 2 doz., 7.00; ticking, 94 yds., 19.16;	



## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, BROCKVILLE.—Concluded.

## SALARIES.—Continued.

towelling, 598 yds., 65.83;	print, 374 yds., 42.18;	drill, 70 yds., 12.65;	
flannel, 404 yds., 64.44;	burlap, 205 yds., 30.75;	corsets, 1 doz., 10.00;	
galatea, 597 yds., 86.57;	table linen, 13½ yds., 18.90;	muslin, 153 yds., 30.70;	
denim, 20 yds., 6.00;	lawn, 48 yds., 9.60;	window shades, 18.00;	
butcher's linen, 59 yds., 10.58;	dimity, 106 yds., 31.95		1,788 80
LeClair, C. W.: Straw hats, 10 doz., 17.50; sundries, 7.45; caps, ½ doz., 3.00			27 95
Lyman, C. C. & Co.: Ticking, 277 yds., 54.79;	flannelette, 1,001 yds., 115.42;		
towelling, 847 yds., 94.28;	corsets, 1 doz., 9.00;	cotton, 877 yds., 90.33;	
spools, 10½ gro., 70.87;	shirting, 384 yds., 45.31;	print, 676 yds., 81.13;	
butter cloth, 221 yds., 13.29;	sundries, 7.50;	braces, 6 doz., 15.00	596 92
London Asylum: Clothes baskets, 1 doz., 12.00; Lott, B. O.: Honey, 623 lbs., 43.61			55 61
Lane, Jos.: Chambers, 22 doz., 88.00; jug, 3 doz., 18.00; cups & saucers, 10 doz., 11.00;			
bowls, 15 doz., 16.50; plates, 14 doz., 13.75; cups, 10 doz., 5.50; tumblers, 5 doz., 2.50			155 25
Murray, H. T.: Yeast, 357 lbs., 124.99; honey, 178 lbs., 23.06; sundries, 42.46;			
biscuits, 10.80; oranges & lemons, 11.00; fruit jars, 2 doz., 5.40			217 71
Moore, W. H.: Subscriptions, 6.00; Murray, J. P.: Straw, 14-1560 tons, 73.90			79 90
Mott, M.: Ice, 507-370 tons, 253.59; Moore & Mowat: Tweed, 200 yds., 109.86			363 45
Miller, A. C.: Postage stamps, 154.00; chloride lime, 62.45; parafine wax, 79.48;			
hair brushes, ½ doz., 3.00; sundries, 12.05			310 93
Metropolitan Soap Co.: Laundry soap			628 76
Murphy, J. B., M.D.: Balce re table allowance, 47.29; allowance re furniture and furnishings, 15.40; trav. expenses, 20.55			83 24
Moher, T. J., M.D.: Balce re table allowance, 328.80; allowance re furniture & furnishings, 77.66; trav. expenses, 37.05			443 51
Mitchell, J. C., M.D.: Expenses re transfer from Toronto			51 57
McBrearty, M.: Trav. expenses insp. of boilers, 8.35; McCaw, J. F.: Lime, 20 bus., 7.00			15 35
McLaughlin, M. & Co.: Flour contract, 465 bbls., at 3.70, 1,720.50; (.16 additional) 514½ bbls. at 3.86, 1,985.97			3,706 47
McKimm, C. A.: Boots & shoes, 228 prs., 223.20; McGee, Jno.: Wages plastering, 90.00			313 20
Neilson, W. H.: (Balce 1903 meat contract), 12,734 lbs. at .6, 764.04; lamb, 3.73			767 79
Orme's Music Store: Repairs to instruments, 4.95; music, 2.75			7 70
Patterson, Thos.: Rent of land & orchard			50 00
Queen City Oil Co.: Headlight oil, 164 gals., 26.92; signal oil, 55 gals., 55.75			82 67
Rhodes, J. & Co.: Eggs, 2,880 doz., 609.04; bacon & ham, 1,371 lbs., 202.73			811 77
Rathbun Co.: Pine lumber			605 24
Ritchie, F. I.: Tobacco, 5.05; pipes, 6.15; subs., 28.50			39 70
Recorder Ptg. Co.: Printing, etc., 206.65; blank books, 54.20			260 85
Ryan, M.: Poultry, 48.62; sausages, 14.45; veal & lamb, 49.00			112 07
Smart, R. H.: Glass, 54.95; iron hardware, etc., 341.97; glue, 10.00; locks, 96.52; thermometers, 8.75; wringer, 5.00; shovels, 13.45; brass pipe, 6.76; mirrors, 3.50; handles, 5 doz., 6.00; ceiling plates, 8.38; castings, etc., 173.11; grindstone, 5.00; iron planes, 1 set, 8.70; nails, 6 kegs, 16.60; repg. refrigerator, 14.35; screws, 14.47; rakes (12), 6.90; hose, 100 ft., 15.00; gaskets, 6.56; belting, 50 ft., 5.50; iron, 8.93; gas globes, 8.75; latches, ½ doz., 10.50; cement, 2 bbls., 5.00; iron pipe, 552 ft., 46.66; carvers, 2 sets, 5.25; tableware, 10.05; kitchen utensils, 21.05; wire rope, 50 ft., 3.00; table forks, 2 doz., 13.50; packing, 4.38; paint, 5.70; boiler section, 35.00; grates, 1 set, 13.85; valves, 3.25; scoops, ½ doz., 6.00			1,022 34
Shepherd, Heman: Print, 464 yds., 58.07; shirting, 470 yds., 60.54; duck, 10 yds., 2.30; cottonade, 122 yds., 30.51; flannelette, 44 yds., 5.57; thread, 6 gro., 32.40; sundries, 1.88; batting, 7.00			198 27
Shields, Geo. E.: (Balce 1903 coal contract), egg & stove, 1106-1780 tons at 6.57, 7,272.27; (1904 contract), egg, stove & nut, 2001-270 tons at 6.10, 12,206.93			19,479 20
Simpson, The R. Co.: Dinner set, 33.00; Semmens & Evel: Tape, 1 gro., 14.40			47 40
Smart, The Jas. Mfg. Co.: Castings, 1.54; lawn mowers (3), 14.00; sharpen'g mowers, 6.60; grate bars, 22.34			44 48
Sundry newspapers: Advertising re supplies, 117.15; re fuel, 63.00			180 15
Sykes, A. G.: Cups, 22 doz., 14.20; bowls, 10 doz., 10.00; chambers, 10 doz., 40.00; tumblers, 10 doz., 4.50; bakers, 3 doz., 3.00; chinaware sundries, 17.10; toilet sets (2), 9.00; dinner set, 22.00			119 80
Steele, Briggs Seed Co.: Seeds, bulbs, etc., 7.01; Simmers, J. A.: Seeds & bulbs, 20.51			27 52
Sheridan, W. & J.: Meat pans(10), 16.50; swill cans (4), 14.00; iron, tinware, etc., 47.80			78 30
Sherwood, Jno.: Wages as temporary baker			20 00

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, BROCKVILLE.—Concluded.

## EXPENSES.—Concluded.

Troy Laundry Machinery Co.: Repairing stove .....	11 23
Williams, E. J.: Drugs & chemicals, 57.78; Wood, Wm. Co.: Sub. <i>Med. Record</i> , 5.00	62 78
Wright, Robt & Co.: Stationery, etc., 6.52; sundry furnishings, 62.95; batting, 7.50; table linen, 389 yds., 135.98; ticking, 212 yds., 44.86; flannel 52 yds., 10.40; curtains, 4 prs., 12.00; quilts (3), 8.10; towels, 3 doz., 18.00; towelling, 42 yds., 5.43; linen, 46.45; pillow cotton, 30 yds., 7.50; sheeting, 60 yds., 28.80; art net, 35 yds., 11.11; shaker, 100 yds., 11.00; tapestry, 8 yds., 6.00; hampers (4), 12.00; cotton, 241 yds., 22.90	457 50
York Mfg. Co.: Felt, 5 yds. ....	9 90
Sundry persons: Accounts unenumerated under 10.00 .....	34 19

## ASYLUM FOR INSANE, COBOURG.

## SALARIES (\$9,918.37).

E. C. McNicholl, M.D.: Twelve months' salary as Medical Superintendent .....	1,500 00
Harriet Cockburn, M. D.: do Assistant do .....	600 00
J. W. Smith: do Bursar & Storekeeper (rent allowance) .....	1,435 00
P. Casserly: do Engineer .....	550 00
P. Laughlin: do Stoker .....	450 00
Jas. Squires: do do .....	450 00
Jos. McDonough: do Baker .....	550 00
W. K. Stewart: do Gardener (rent allowance) .....	640 50
Adam Watson: do Night Watchman .....	300 00
A. A. Nelles: Ten do Matron .....	416 68
S. E. Hardy: Two do do .....	83 32
Cooks (3): Twelve do .....	322 06
Laundresses (2): do .....	345 93
Laura Newton: do Seamstress .....	140 00
E. Towl: Two do do .....	28 00
Housemaids (2) Twelve do .....	284 00
Eliza J. Gunn: do Chief Attendant .....	216 00
R. J. Middleton: do Supervisor .....	204 00
R. Birchard: Nine do do .....	144 00
M. Doherty: Twelve do do .....	192 00
M. Reed: One do do .....	15 00
J. Campbell: One & one-half do do .....	23 00
Attendants (7): Twelve do .....	1,028 88

## EXPENSES (\$13,654.37).

Allen, W. L. & Co.: Lantern burners, 1 doz., 1.20; packing, 30 lbs., 17.13; leather belting, 14 ft., 5.89; iron hardware, etc., 28.11 .....	52 33
Burnet, Wm.: Figs, 1073 lbs., 53.68; prunes, 1950 lbs., 126.50; soap, 5.40; sal soda, 440 lbs., 5.50; toilet paper, 12.50; jam, 469 lbs., 37.52; sundries, 12.91; china, glassware, etc., 11.70 .....	265 71
Buffalo Forge Co.: Rep'g engine, 25.25; Butler, Jas.: Yarn, 100 lbs., 32.50 .....	77 75
Bell Tel. Co.: Messages, 7.95; Bursar: To pay sundries, 31.45 .....	39 40
Crozier, H.: Eggs, 411 doz., 76.82; bacon and ham, 110 lbs., 17.16; oranges, 5.00; candy, 50 lbs., 3.25; fruit & vegetables, 123.30; poultry, 16.45; sundries, 131.47; syrup, 6 gals., 6.00 .....	379 45
C. P. Industries: Bed, 7.85; Conn. S.: Ice, 97 tons, 72.75 .....	80 60
Campbell, J. N.: Flannel, 100 yds., 8.79; cotton, 795 yds., 56.85; boots & shoes, 58 pr., 48.60 .....	114 24
Can. Otis Elevator Co.: Rep'g elevator, 37.50; Collings, W. J.: Rep's, cast'gs, etc., 18.65 .....	56 15
Canadian Oil Co.: Engine oil, 46 gals., 18.40; oil soap, 77 lbs., 4.62 .....	23 02
Cobourg World: Stationery, etc., 40.00; sub., 1.00 .....	41 00
Collector of Customs: Duty charges, 7.50; Corp. City of Toronto: Rep'g and testing meter, 5.00 .....	12 50



## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, COBOURG.—Continued

## EXPENSES.—Continued.

Cobourg Water & Electric Co.: Water, 594.82; electric light, 527.00; lamps, 2 doz., 5.00; repairs, 9.65	1,136 47
Cobourg Gas Works: Gas	21 26
Duncan Estate: Potato contract, 506 1-3 bu. @ 56c., 283.55; rolled oats contract, 16 bbls. @ 4.20, 67.20; split peas, 2.50	353 25
Denton, D.: Seeds, bulbs, etc.	13 56
Fox, Wm. & Co.: Sugar, 5595 lbs., 240.50; lard, 12½ lbs., 15.00; rice, 660 lbs., 23.58; pot barley, 16.45; syrup, 86 gals., 37.20; brooms, 4 doz., 11.75; sundries, 20.36; bacon and ham, 58 lbs., 9.36; soap, 5.13; starch, 107 lbs., 6.86; sal soda, 8.73; cream tartar, 20 lbs., 5.00; ginger, 10 lbs., 2.50; vinegar, 37 gals., 9.25; lye, 2 doz., 2.40	414 07
Field & Bro.: Print, 300 yds. 36.00; flannel, 225 yds., 23.60; gingham, 150 yds., 12.75; towelling, 200 yds., 24.00; table linen, 110 yds., 34.50; buttons, 12.00; spools, 10.80; cheese cotton, 50 yds., 2.50; hair pins, 3.00; sundries, 16.13; shirting, 58½ yds., 7.32; galatea, 211 yds., 38.07; cotton, 60 yds., 4.80; weaving cotton, 25 lbs., 6.25; oil cloth, 14 yds., 3.50; corsets, 6 pr., 4.50; lawn, 25 yds., 7.50; lace, 30 yds., 3.00; ribbon, 30 yds., 3.00	259 22
Ferguson, A. C.: Milk contract, 16284 qts. @ 3½	610 69
Fleischmann & Co.: Yeast, 78 lbs., 23.40; Fox, J. H.: Meat, 14.56; lard, 6.30	44 26
Field Hardware Co.: Hose, 100 ft., 12.00; lawn mower, 4.00; sundries, 7.05	23 05
Grant, Hamilton Oil Co.: Engine oil, 44 gals., 17.80; cyl. oil, 49 gals., 34.85	52 65
Gould, A. J.: Drugs and chemicals	55 06
Hayden, Jno.: Iron hardware, etc., 15.80; Henderson Bros.: Lumber, 12.90	29 70
Harvey, T. R. & Son: Currants, 112 lbs., 7.84; cheese, 571 lbs., 66.62; rice, 200 lbs., 7.50; clothes baskets, (6), 4.50; coffee, 129 lbs., 32.25; pepper, 25 lbs., 5.75; tapioca, 80 lbs., 3.20; scrubs, 2 doz., 4.32; brooms, 3½ doz., 8.38; sundries, 6.10; corn meal, 5.00	151 66
Hobbs Hardware Co.: Sanitary fluid, 44½ gals., 55.63; Hardy, S. E.: Trav. exps., 5.30	60 93
London Ammonia Co.: Ammonia powder, 210 lbs.	12 60
Maher, W. J.: Beef contract, 14,954½ lbs., at .7	1,046 82
Metropolitan Soap Co.: Laundry soap, 2941 lbs., 130.35; Meyer Bros.: Ldry stove, 22.00	152 35
Mullin, B.: Services as temporary clerk in Bursar's office	235 50
McIntosh, J. D.: Coffee, 160 lbs., 40.00; cream tartar, 20 lbs., 6.00; eggs, 12 doz., 2.64; trout, 1722 lbs., 156.86; turkey, 131 lbs., 17.00; geese, 98 lbs., 10.78; split peas, 9.30; sundries, 34.13; corn meal, 5.50; berries, 10.15; canned vegetables, 18 doz., 18.90; salmon, 4 doz. cans, 4.40; currants, 75 lbs., 4.88; pepper, 25 lbs., 5.75; tomatoes, 8 doz. cans, 11.20	337 49
McCallum, P. & Sons: Shawls, 24, 48.00; print, 400 yds., 49.00; gingham, 400 yds., 50.00; spools, 12 doz., 5.40; scrim, 75 yds., 9.00; rugs, 7.50; sundries, 22.90; buttons, 2.13; flannelette, 200 yds., 20.00; towelling, 100 yds., 15.00; ticking, 24 yds., 4.08; sheeting, 50 yds., 12.00; warp, 25 lbs., 7.50; corsets, 6 prs., 4.50; combs, 3.50; mats, 2.00; cheese cloth, 50 yds., 2.50	263 01
McDonell, Jno.: Freight & cartage, 25.08; McPherson, D.: Temporary clerk Bursar's office, 309.00	334 08
McLaughlin, M. & Co.: Flour contract, 53 bbls. @ 3.77½, 200.08; (16c. additional) 116 bbls. @ 3.93½, 456.45	656 53
McNichol, E. C., M. D.: Table allowance 500.00; allowance for light & fuel, 200.00; trav. expenses, 4.95	704 95
Nelles, A. A.: Trav. expenses, 8.85; Newton, Jno.: Freight and cartage, 9.37	18 22
Oke & Oke: Closet seats, 6.00; chairs, 2.64	8 64
Ovens, A.: Services temporary baker	21 42
Post, R. C.: Drugs & chems. 46.65; Postmaster: Postage stamps, 26.50; rent of box, 3.00	76 15
Plunkett, Geo.: (Balce 1903 coal contract) Nnt, 8 tons @ 5.90, 47.20; large egg, 100-1640 tons @ 5.75, 579.70; (1904 contract) stove, 451-160 tons @ 5.90, 2,661.60	3,288 58
Ryan, The Wm. Co.: (Balce 1903 butter contract) 392 lbs. @ 2¼c., 85.01; 1904 contract, 3270 lbs. @ 2¼c., 707.79	792 80
Rooney, D. & Son: Tea, 1218 lbs., 504.50; rice, 100 lbs., 3.75	308 25
Rooney, Jno.: Apples, 7 bbls.	6 20
Stott, R. B.: Services temporary stoker, engineer, and carpenter	81 00
Service, Jas.: Rep'g boots, 13.80; Smith, J. W.: Trav. exps., 10.90	24 70

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, COBOURG.—Concluded.

## EXPENSES.—Concluded.

Spencer, J. M.: Drugs, etc., 31.96; Slade, F. J.: Balance 1903 mutton contract, 152½ lbs. @ 8c., 12.20	44 16
Sundry Newspapers: Advertising <i>re</i> supplies, 16.35; <i>re</i> fuel, 58.00	74 35
Taylor, Jno. & Co.: Laundry soap, 2157 lbs., 93.76; Tyrrell, Wm. & Co. Sub., 5.00	98 76
Thompson, Geo.: Salt, 14.15; pine slabs, 2 cords, 8.00	22 15
Tait, Nelson: Interments, 20.00; screens, 4.00; repairs, .75; cab hire, 3.00; chair, 2.75	30 50
Union Cemetery Co.: Interments	9 50
Webster, J. T.: (Balce 1903 beef contract) 428 lbs. @ 7c., 29.96; 1904 mutton contract, 3912½ lbs., 313.00; pork, 163 lbs., 11.81; sundries, 39.36	394 13
Willis, A. & Co.: Boots and shoes, 36 prs.	45 40
Whitelaw, W. R.: Hardware, castings, etc., 59.22; chambers, 4 doz., 18.00 valves, 34.41; closet bowl, 8.00	119 63
Wilson, R.: Drugs & chemicals, 15.75; postage stamps, 7.50; stat'y, etc., 4.95; subs., newspapers, etc., 15.00	43 20
Sundry persons: Accounts unenumerated under 10.00	34 32

## ASYLUM FOR INSANE, PENETANGUISHENE.

## SALARIES (\$6,242.39).

P. H. Spohn, M.D.: Five months' salary as Medical Superintendent	750 00
Thos. McCrosson: do Assistant do	375 00
Jno. Ronan: do Bursar	416 65
Jas. Lonergan: Seven do Storekeeper	412 50
R. H. Stedman: Five do General Assistant	375 00
P. Lanonette: do Engineer	250 00
Geo. Bunt: do Asst. Engineer & Night Watchman	178 35
F. Lamercau: do Stoker	150 00
D. Ouelette: do Carpenter	216 13
R. DeNure: do Farmer	208 30
Thos. Harford: do Gardener	187 50
A. Gendron: do Baker and Butcher	208 30
J. Lemieux: do Messenger and Dairyman	166 65
Jno. Champion: Four & one-third do Laundryman	129 68
Jos. Gorman: Four & one-half do Male Supervisor	135 48
Male Attendants (4): Five do	432 53
M. DeNure: Two do Stableman	36 00
W. P. Band: Five do Assistant Bursar	395.88
Lillie Jones: do Matron	226 10
R. M. Smith: do Chief Female Attendant	104 15
E. M. Whiten: Two do Stenographer	49 16
D. Beaulien: Four do Seamstress	56 50
Female Supervisors (2): Five do	155 39
Female Attendants (5): do	260 28
Laundresses (2): do	129 61
Cooks (2): do	185 38
M. Wilkie: Four do Maid	51 87

## EXPENSES (\$10,807.85).

Allen, Mrs.: Apples, 15 barrels	15 00
Brown, N. H.: Drugs and chemicals, 23.59; Brabant, O.: Cedar poles, 27.00	50 59
Beck, C. Mfg. Co.: Evap. apls., 50 lbs., 3.75; pot bly., 100 lbs., 4.00; coffee, 75 lbs., 16.25; canned fruit, 6 doz., 13.75; lard, 50 lbs., 4.75; rolled oats, 3.60; soap, 5.00; sugar, 912 lbs., 41.46; tobacco, 42 lbs., 20.10; canned vegetables, 6 doz., 6.80; pique, 41 yds., 9.43; potatoes, 11 bags, 7.50; butter, 206 lbs., 40.13; paper, 100 lbs., 4.00; sundries, 71.02; clothes baskets, ½ doz., 4.80; eggs, 66 doz., 13.02; prunes, 50 lbs., 3.50; apples, 17.60; starch, 100 lbs., 7.00; chocolate, 12 lbs., 3.27; tea, 151 lbs., 30.90; overalls, 3½ doz., 31.88	363 51

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, PENETANGUISHENE.—Continued.

## EXPENSES.—Continued.

Bell Tel. Co.: Messages, 35.33; Band, W. P.: Trav. expenses, 17.20	52 53
C. P. Industries: Long boots, 36 prs., 118.50; Cosgrove, T. J.: Hauling coal, 112.47	230 97
Copeland, G. & Sons: Shorts, 1 ton, 21.50; bran, 1½ tons, 22.50 oats, 100 bu., 39.00; chop feed, 1½ tons, 36.00; sundries, .30	119 30
Charlebois Bros.: Floor wax, 10 lbs., 5.00; combs, 10 doz., 10.00; tubs, ½ doz., 5.80; butter, 105 lbs., 15.75; apples, 3.00; cheese, 165 lbs., 16.48; sundries, 69.39; lard, 60 lbs., 5.40; starch, 100 lbs., 6.50; vinegar, 32 gals., 8.00; rice, 100 lbs., 4.00; syrup, 399 lbs., 11.47; sugar, 610 lbs., 30.05; honey, 67 lbs., 5.70; tob'co, 34 lbs., 13.70; coffee, 25 lbs., 5.75; hay, 2-785 tons, 27.71	243 70
Cressman, A. W.: Shawls, 75, 225.00; print, 224 yds., 27.92; sundries, 9.39; cotton, 261 yds., 31.35; flannel, 370 yds., 64.67; flannelette, 231 yds., 27.78	386 11
Charlebois, A. B. & Son: Bran, 1 ton, 17.21; Cloutier, Jos.: B'd of W. P. Dailey, 16.50	33 71
Cameron, L. K.: Paper & stat'y, 73.89; Can. Express Co.: Exp. charges, 25.70	99 59
Cummings, J. M.: Moving piano, 3.00; harrows, 1 set, 26.50	29 50
Corbeau, E.: Repairing furniture	37 12
Dailey, W. P.: Services opening books & ordering supplies, 200.00; trav. exps., 118.26	318 26
Fair, Robt. & Co.: Cotton, 167 yds., 8.08; buttons, 2 gro., 3.30; corsets, 1 doz. pr., 9.00; hoods, 8½ doz., 51.00	71 38
Fleischmann & Co.: Yeast, 9.42; G. T. Railway Co.: Freight charges, 25.06	34 48
Gendron, M. A.: Iron hardware, etc., 96.55; clamps, 1 pr., 6.50; glass, 10.45; whiting, 600 lbs., 7.20; putty, 30½ lbs., 8.25; paints & oils, 5.40; door sets, ½ doz., 6.00; enamel sink, 10.15; razors, 1 doz., 10.20; plaster paris, 1 bbl., 2.75; repairs, 31.80; leather belting, 12 ft., 4.20	199 45
Gignac, L.: Baking powder, 1 doz., 2.25; currants, 120 lbs., 9.40; cream tartar, 3.50; pepper, 11 lbs., 2.85; pickles, ½ doz. 2.10; sundries, 26.50; rice, 100 lbs., 3.75; sugar, 313 lbs., 14.87; soap, 3.24; salt, 1 bbl., 4.50; sago, 100 lbs., 5.00; figs, 133 doz., 6.65; tapioca, 100 lbs., 4.00; lye, 1 case, 4.50; oatmeal, 2 bags, 5.80; pails, 1 doz., 2.25; eggs, 12 doz., 2.40; scrubs, 1 doz., 2.25; buttons, 9 gro., 4.65; raisins, 1 box, 2.16; blueing, 2.60	115 22
Gripton, C.: Marking ink, 1 pt., 8.80; rubber stamps and pads, 21.20	30 00
Gorman, Jos.: Travelling expenses	8 80
Hall, Richard & Son: Print, 214 yds., 27.82; flannel, 506 yds., 59.58; thread, 3 gro., 15.30; sheeting, 624 yds., 137.22; sundries, 9.29	249 21
Hollister, J. W. & Co.: Team harness, 36.00; robe, 13.00; horse blankets, 4.90; rep'g harness, 10.75	64 65
Hartz, The J. F. Co.: Surgical appliances, 27.55; Hurley, Jno.: Repairs, 8.50	36 05
Hall, W. J.: Services as fireman, 16.63; Hart & Riddell: Engraving die, 10.00	26 63
Jones, Lillie: Travelling expenses re supplies	99 40
Kingan Hardware Co.: Disinfectant, 46 gals., 69.00; toilet paper, 1 c/s., 6.50; white lead, 200 lbs., 12.00; screws, 9 gro., 11.00; sundries, 27.50	126 00
Lemieux, E.: Cow, 30.00; Moore, Wm. & Son: Prunes, 600 lbs., 38.25	68 25
Le Brun, H. & Co.: Mens' suits, 100, 600.00; overcoats, 36, 180.00; socks, 50 prs., 9.38; mitts, 98 prs., 22.46; caps, 80, 40.00; braces, 8 doz., 19.20; stockings, 100 prs., 25.00; freight charges, 4.37	900 41
Meriden Britannia Co.: Covered dishes, 20.00; Mason, Jas.: Photos, 10.00	30 00
Midland Coal Dock Co.: Hard Coal, 151-700 tons @ 5.85, 880.40; slack, 995-820 tons @ 2.75, 2,737.38	3,622 78
Metropolitan Soap Co.: Laundry soap, 952 lbs.	47 60
McWhinnie, R.: Slippers, 20 prs., 16.00; Neill, R.: Boots, 25 prs., 25.25	41 25
Nettleton, C. A.: Stat'y, seeds, etc., 40.85; postage stamps, 6.40; wall paper, 37.45; drugs and chemicals, 34.95	119 65
Peterboro Hardware Co.: Chloride lime, 246 lbs., 8.61; lard oil, 5 gals., 3.75; parafine wax, 50 lbs., 5.00; sundries, 72.48; carpet swps, 2, 5.00; tableware, 11.50; snow shovels, 2 doz., 6.50; tube cleaners, 2, 4.00	116 84
Penetang. Navigation Co.: 4 trips of steamer with patients	40 00
Pratt, D. S.: Cement, 7 bbls., 17.50; cartage, 2.00	19 50
Playfair, Preston Co.: Butter, 132 lbs., 20.97; eggs, 30 doz., 5.10; fish, 91.59; apples, 4.50; coffee, 25 lbs., 5.00; sundries, 12.00	139 16
Payette, P. & Co.: Repairs, 10.95; Postmaster: Postage stamps, 10.00	20 95
Robinson, Geo.: Use of horse and wagon, 16.50; Rennie, Wm.: Seeds, bulbs, etc., 4.25	20 75
Sutcliffe, J. & Sons: Print, 450 yds., 54.00; yarn, 102 lbs., 45.90; sateen, 47 yds., 11.88; hoods, 48, 24.00; sundries, 2.13	137 91

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR INSANE, PENETANGUISHENE,—Concluded.

## EXPENSES.—Concluded.

Shuttleworth, E. B. Chem. Co.: Drugs & chems., 8.79; Stenson, J. T.: Boots & shoes, 36 prs., 34.50	43 29
Sundry persons: Wages assisting Gardener & Farmer: Geo. Morris, 45.50; C. Murphy, 18.01; W. Murklin, 18.75; N. Kennedy, 3.75; H. J. Lee, 3.50; E. Brasseur, 7.00	96 51
Sundry women: Scrubbing, 37.88; Smith, R. M.: Trav. expenses, 12.39	50 27
Spohn, P. H., M.D.: Balance <i>re</i> table allowance	179 65
Turnbull, J. C. & Co.: Yarn 102 lbs., 45.90; shawls, 23, 69.00; spools, 4 gro., 21.60; towelling, 165 yds., 20.63; print, 219 yds., 27.35; shirting, 221 yds., 31.01	215 49
Tudhope & Co.: Carriage, 93.00; sleigh, 86.50; lamps, 7.00	186 50
Thompson, W. M.: Butter, 1106 lbs., 225.99; serge, 30 yds., 64.50; lard, 50 lbs., 4.50; green baize, 8 yds., 3.40; quilts, 2, 5.00; sundries, 21.53	324 92
Town Treasurer: Water, 400.00; United Typewriter Co.: Typewriter, 112.50	512 50
Wright, G. H.: Hardware, etc., 34.07; wheelbarrows, 6, 12.30	46 37
Wilkinson Plough Co.: Plough	47 00
Wright, C. E.: Meat contract, 5,578 lbs. @ 7.10 cwt., 395.93; tallow, 7.92; poultry, 19.02	422 87
Warwick Bros. & Rutter: Printing and stationery	286 56
Sundry persons: Accounts unenumerated under 10.00	29 71

## REFORMATORY FOR BOYS, PENETANGUISHENE.

## SALARIES (\$6,058.55).

Thos. McCrosson: Seven months' salary as Superintendent	1,050 00
R. H. Stedman: do Deputy Superintendent	583 31
Wm. P. Band: do Bursar	554 12
P. H. Spohn, M.D.: do Surgeon	408 31
Rev. Stephen Card: Five do Protestant Chaplain	250 00
Rev. T. F. Laboureau: do R. C. do	208 30
Jas. Lonergan: do R. C. Teacher	250 00
L. E. Lane: do Tailor	250 00
W. Corbeau: Four do Carpenter	200 00
P. Lanonette: Seven do Engineer	350 00
Thos. Harford: do Gardener	233 31
A. Gendron: do Baker	262 50
Attendants (4): do	708 26
R. DeNure: do Farmer	291 62
J. Lemieux: do Laundryman	233 31
A. Norton: Four do Night Engineer	133 32
A. McFalls: Three do do	92 19

## EXPENSES (\$5,106.29).

Allan, A. A. & Co.: Fur cap	6 75
Beck, C. Mfg. Co.: Horse blankets (3), 6.00; harness repairs, 14.40	20 40
Brabant, Oliver: Hardwood, 201 cords, 426.28; Beausoliel, F.: Hardwood, 116 cords, 237.88	664 16
Brown Bros.: Stationery, etc., 5.95; Barrie Examiner, sub., 4.00	9 95
Breithaupt Bros. & Hall: Tan bark extract, 80 gals., 24.00; Bell Tel. Co.: Messages, 2.78	26 78
Copeland, G. & Sons: Chop feed, 1½ tons, 33.66; bran, 1½ tons, 20.50; shorts ¾ ton, 15.50	69 66
C. P. Industries: Flannel, 93 yds., 37.20; Charlebois Bros.: Hay, 1,890 lbs., 11.28; salt, 2.80	51 20
Charlebois, A. B. & Son: Oats contract, 317 bus. at .34, 107.85; peas contract, 202 bus. at .63, 127.38; barley contract, 102 bus. at .43, 44.02; bran contract, 3-067 tons at 17.00, 51.60; straw, 8-230 tons, 40.57; hay, 4-560 tons, 51.36; potatoes, 68 bags, 61.20	483 93
Campbell, Rev. Isaac: Cab hire <i>re</i> religious services	37 50
Darling, J. S.: Postage stamps, 42.74; telegrams, 12.43; sundries, 1.36	56 53
Eckardt, H. P. & Co.: Coffee, 204 lbs., 15.30; pepper, 50 lbs., 8.50; bath brick, .75	24 55
Flett Lowndes & Co.: Canvas, 75 yds., 12.00; Holland, 46 yds., 8.74; Italian, 23 yds., 25.65; twist, ¾ lbs., 6.00; buttons, 6.00	58 39
Fleischmann & Co.: Yeast, 24½ lbs., 6.37; postage, 4.46	10 83
Gendron, C. G.: Repp. boots & shoes, 61.25; boots, 15 prs., 60.00	121 25



PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

REFORMATORY FOR BOYS, PENETANGUISHENE.—Concluded.

EXPENSES.—Continued.

G. T. Railway Co.: Freight charges, 45.45; Gendron, A. R.: Allowance for board, 29.12	74 57
Hunt Bros.: (Balce. 1903 flour contract), 25 bbls. at 3.68	92 00
Henderson P. & Co.: Seeds, bulbs, etc., 9.70; Harford, Thos.: Allowance for board, 29.13	38 83
Jamieson, J.: Uniform, 10.00; Kelly, Jno.: Paper hanging, 10.00	20 00
Little, Rev. H. M.: Cab hire <i>re</i> religious services	37 50
Laboreau, Rev. T. F.: Commutation <i>re</i> free house, fuel, light & water, 41.65; expenses in chapel, 12.50	54 15
LeMoyné, Alma: Services as Roman Catholic organist	33 33
Midland Coal Dock Co.: Egg coal, 22-1270 tons at 7.00	158 45
Midland Argus: Sub. (6 years), 6.00; Murdock, Jas.: Insp. of scales, 5.75	11 75
McLaughlin, M. & Co.: Flour contract, 150 bbls. at 3.77½	566 25
McGibbon, Chas.: Hardwood, 25½ cords	55 44
McCrosson, Thos.: Balce. <i>re</i> table allowance, 318.19; allowance <i>re</i> furniture & furnishings, 58.31; trav. expenses, 66.15	442 65
Nisbet & Auld: Serge, 28½ yds., 37.12; doeskin, 2½ yds., 4.20; broad cloth, 2½ yds., 8.44; sundries, 1.75	51 51
Nettleton, C. A.: Drugs & chems., 29.00; subs.: <i>Globe</i> , 4.00; <i>Mail</i> , 4.00; seeds, etc., 6.00	43 00
Nelson, H. W. & Co.: Brooms, 8 doz., 23.40; stable brooms, 2 doz., 5.76; dusters, 1.56	30 72
Norton, A. A.: Allowance for board, 33.32; Newton, A. D.: Services Protestant organist, 33.33	66 65
P. & M. E. St. Railway Light & Power Co.: Electric light	600 00
Rennie, Wm.: Seeds, bulbs, etc., 49.75; Ross, H. H.: Exp. charges, 6.78	56 53
Rodger, W. P.: Cotton, 231 yds., 23.10; shirting, 237 yds., 32.03; cottonade, 53 yds., 10.95	66 08
Robinson, Geo.: Livery hire, 23.25; Stedman, R. H.: Trav. expenses, 10.95	34 20
S. S. No. 7 Tay: Half yearly grant on acct. of exemption from school rates of resident officials' children	75 00
Sisters of the Precious Blood: Supplies for chapel	13 02
Sundry newspapers: Advertising <i>re</i> supplies, 18.15; <i>re</i> fuel, 33.00	51 15
Shanahan Carriage Co.: Horseshoeing & blacksmithing	46 76
St. Amant, S.: Horseshoeing, 20.50; Stedman, J.: Wages assisting gardener, 9.75	30 25
Secord, A.: Regg. boat, 24.00; Town Treasurer: Water, 400.00	424 00
Wright, G. H.: Steam hose, 25 ft., 15.50; flue cleaners (2), 3.50; dies, 10.00; iron, hardware, etc., 27.06	56 06
Wright, C. E.: (Balce. 1903 meat contract) 579 lbs., at 7.15 cwt., 41.40; 1904 contract, 2,416½ lbs., at 7.10 cwt., 171.57	212 97
Sundry persons: Accounts unenumerated under 10.00	21 46

ASYLUM FOR FEEBLE MINDED, ORILLIA.

SALARIES (\$22,346.69).

A. H. Beaton, M.D.: Twelve months' salary as Medical Superintendent	2,000 00
T. J. Moher, M.D.: One-half do Assistant Physician	49 32
T. J. Norman, M.D.: Eleven do do	842 25
T. J. Muir: Twelve do Bursar (rent allowance)	1,375 00
P. McAulay: do Storekeeper	950 00
R. Stratton: Five do Carpenter	250 00
A. Jamieson: Seven do do	262 00
A. Thompson: Twelve do Farmer	450 00
H. Kilpatrick: do Baker	450 00
J. S. Gray: do Gardener (board)	527 00
J. H. Ross: do Engineer	800 00
A. A. Allan: do Asst. Engineer	300 00
Firemen (3): do	900 00
R. Stewart: do Laundryman	300 00
A. H. Sissons: do Chief Male Attendant	400 00
Male Supervisors (2): do	684 00
Male Attendants (11): do	3,374 21
Night Watchmen (2): do	607 00
A. McLean do Taylor	400 00



## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR FEEBLE-MINDED, ORILLIA.—Continued.

## SALARIES.—Continued.

E. Lynes: Two months' salary as Stableman	40 00
D. Currie: Five do do	104 00
C. Carpenter: Four & one-half: do do	89 00
D. Currie: Two do Messenger	40 00
J. Casey: Ten do do	224 00
S. E. Hardy: Nine Matron	375 00
J. Budd: Three do do	125 00
J. Budd: Nine do Asst. Matron	225 40
L. McGillicuddy: Two do do	50 00
M. V. Nash: Twelve do Teacher	600 00
J. H. Hall: do Musician and Stenographer	400 00
A. E. Connor: Nine & one-half do Teacher	237 50
Female Attendants (10): Twelve do	1,527 41
Female Night Attendants (2): do	316 00
Cooks (2): do	360 00
Maids (9): do	1,234 00
Laundresses (3): do	472 00
Seamstresses (3): do	711 00

## EXPENSES (\$50,580.71).

Association of Institutions for Feeble Minded: Annual dues	5 00
Allan, Wm.: Potatoes, 17 bags, 7.73; Anderson, Jno.: Hardwood, 75 cords, 318.75	326 48
Anderson, R.: Potatoes, 19 bags, 15.69; Allen, S.: Vinegar, 125 gals., 31.53	47 22
Allan, Jno.: Seed oats, 59 bus., 20.90; oats, 136 bus., 48.51	69 41
Angell, H.A.: Services as plumber, 351.25; trav. expenses, 4.35	355 60
Buchner, A. C.: Candies, 239 lbs., 17.93; raisins, 56 lbs., 4.62; oranges, 16 doz., 4.80; sundries, 31.00; roach powder, 10.00	68 35
Baye, F.: Turnips, 236 bus., 23.62; Ball, Jas.: Eggs, 1,177 doz., 182.39	206 01
Bell, N.: Potatoes, 12 bags, 9.42; Burton, Jno.: Potatoes, 324 bus., 129.57	138 99
Black, K.: Upholstering, 20.00; Birney, J. J.: Wages temporary baker, 6.00	26 00
Bingham, H. A.: Interments, 90.00; Blacker, J. H.: Horseshoeing, 6.15	96 15
Bell Tel. Co.: Messages, 13.30; repairs, 1.20	14 50
Beaton, A. H.: Balce. re table allowance, 344.29; allowance re furniture & furnishings, 30.12; trav. expenses, 26.10	400 51
Bursar: To pay sundries	11 30
Can. Oil Co.: Dynamo oil, 10 gals., 7.25; boiled oil, 45 gals., 22.50; candles, 4 cases, 15.12; linseed oil, 44 gals., 20.68	65 55
Cooke, H. & Co.: Drugs & chems., 264.07; staty., etc., 38.62; postage stamps, 48.00; sal soda, 18,375 lbs., 159.87; wall paper, 77.82; school supplies, 26.22; subs, 6.50; sundries, 48.06; disinfectant, 38 gals., 47.50	716 66
Can. Rubber Co.: Packing, 20.87; gaskets, 6.46	27 33
Can. Foundry Co.: Valves, 49.38; Curran Bros.: Printing, 3.50	57 88
Chandler & Massey: Surgical appliances	14 32
Cashman, J. J.: Clothing, 4.00; straw hats, 3½ doz., 4.38; hats, 6 doz., 30.00; caps, 5 doz., 15.00; sundries, 1.00	54 38
C. P. Industries: Tweed, 3,323 yds., 1,715.19; boots & shoes, 327 prs., 520 10; slippers, 120 prs., 140.00; wrappers, 8.00; flannel, 905 yds., 226.87; petticoating, 220 yds., 132.00; long boots, 40 prs., 130.00	2,872 16
Crockford, F.: Potatoes, 87½ bus., 32.08; turnips, 223 bus., 22.28;	54 36
Crockford, J.: Hay, 5-1300 tons, 56.50; straw, 6 tons, 36.08;	92 58
Cuppage, Alex.: Potatoes, 35 bus., 14.28; Cavanagh, Jos.: Straw, 2-1825 tons, 16.01	30 29
Can. General Electric Co.: Electrical supplies, 13.83; lamps (350), 63.00	76 83
Clark, D.: Interments, 69.00; Cameron, L. K.: Paper & staty., 25.57	94 57
Dunn, Jos.: Starch, 5.50; tobacco, 5 lbs., 2.75; lard, 250 lbs., 25.25; sundries, 16.61; oranges, 2.50; cheese, 75 lbs., 9.38; soap, 4.40	66 39
Eby, Blain & Co.: Coffee, 1,290 lbs., 350.98; chicory, 511 lbs., 52.03; prunes, 1,376 lbs., 103.20; sugar, 1,887 lbs., 80.76; rice, 896 lbs., 31.35; tapioca, 138 lbs., 4.83; tobacco, 48 lbs., 20.64	643 89
Ellis, J. W.: Express & telegram charges, 28.47; yeast, 347½ lbs., 104.25	132 72
Forrester, W.: Potatoes, 56 bus., 22.40; oats, 54 bus., 17.50	39 90

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR FEEBLE-MINDED, ORILLIA.—Continued.

## EXPENSES.—Continued.

Finn, W. J.: Potatoes, 51 bus., 18.76; turnips, 246 bus., 24.58	43 34
Farwell, E. B.: Sundry groceries, 15.86; currants, 88 lbs., 5.72; raisins, 2 boxes, 4.20	25 73
Failes, Jno.: Services cutting meat	60 00
Grant, Hamilton Oil Co.: Cyl. oil, 44 gals., 28.60; Gilchrist, Geo.: Hay, 1-295 tons, 12.62	41 22
Gurney Foundry Co.: Frying pans, 3, 2.80; rep'g radiators, 15.94	18 74
General Watchmen's Detectors Co.: Clock dials, 9.00; G. T. Railway Co.: Charges, 171.39	180 39
Graham, A.: Rolled oats contract, 24 bbls. @ 4.80, 115.20; oatmeal contract, 24 bbls. @ 4.80, 115.20	230 40
Hatley, J. J.: (Balce 1903 meat contract) 5588 lbs. @ 7.15, 399.54; contract filling ice-house and cold storage building, 75.00; bacon and ham, 751 lbs., 112.47; sausage, 240 lbs., 24.00; poultry, 107.94; suet, 25 lbs., 2.50; tongues, 4.90; lard, 968 lbs., 101.78; sundries, 6.79	834 92
Hamilton Coffee & Spice Co.: Baking powder, 8 doz., 24.00; pepper, 50 lbs., 9.00; mustard, 16 lbs., 3.20	36 22
Harvie, J. R.: Hay, 5-205 tons, 45.92; straw, 11-880 tons, 62.91	108 83
Harvie, W. R.: Potatoes, 122 bu., 44.89; Horne, B.: Hay, 6-115 tons, 60.58	105 47
Hewitt, Jno.: Potatoes, 212 bu., 77.60; turnips, 138 bu., 13.85	91 45
Hazlett, Jno.: Oats, 78 bu., 22.82; Harvie, A.: Repairs, plastering, etc., 314.25	337 07
Independent Cordage Co.: Cord	11 93
Johnstone, Jas.: Oats, 71 bus., 22.87; seed potatoes, 5 1-3 bags, 5.39; apples, 7 bbls., 8.75; potatoes, 116 bu., 51.68	88 69
Johnston, J. W.: Apples, 3 bbls., 4.50; hardwood, 10 cords, 42.50	47 00
Johnston, R.: Oats, 98 bus., 33.40; apples, 6 bbls., 7.00	40 40
Kerr, A.: Meat contract, 101284 lbs. @ 7.10 cwt., 7,191.11; bacon, 17 lbs., 2.55	7,193 66
Long, The E. Mfg. Co.: Castings, repairs to boilers, etc., 102.19; Leigh, J.: Straw, 2-1900 tons, 17.70	119 89
Lehman, R. A.: Potatoes, 43 bu., 15.83; Lott, B. O.: Honey, 604 lbs., 42.28	58 11
Lamb, M.: Turnips, 143 bu., 14.41; mangolds, 423 bu., 42.56; carrots, 56 bu., 6.80; apples, 7 bbls., 10.50; poultry, 31.84	105 91
Lever Bros.: Laundry soap, 2 c/s., 8.00; toilet soap, 5 c/s., 19.50	27 50
Main, T. A.: Ticking, 455 yds., 96.52; hose, 22 doz. prs., 64.00; crash, 198 yds., 24.75; socks, 34 doz. prs., 98.50; sundries, 46.43; school supplies, 6.14; yarn, 80 lbs., 28.30; buttons, 10.75; shirting, 1055 yds., 170.09; moleskin, 42 yds., 5.32; towelling, 785 yds., 96.00; hats, 9 doz., 10.35; warp, 5.85; muslin, 125 yds., 17.37; duck, 109 yds., 17.68; linen, 90 yds., 13.58; corn starch, 800 lbs., 51.10; blueing, 20 lbs., 3.00; thread, 30 doz., 13.92; currants, 78 lbs., 5.46	785 11
Murphy, Jno.: Potatoes, 194 bus., 71.44; turnips, 176 bus., 17.64	89 08
Moon, E.: Straw, 5-815 bu., 31.25; potatoes, 22 2-3 bags, 18.18	49 41
Moriarty, J.: Turnips, 169 bu., 16.98; Martin, J.: Turnips, 210 bu., 21.05	38 03
Moore, The Chris. Co.: (Balce 1903 butter contract) 1306 lbs. @ 17½c., 225.28; 1904 butter contract, 28051 lbs. @ 18½c., 5,189.43; mitts, 24 prs., 8.40; starch, 300 lbs., 20.50; shirting, 225 yds., 30.45; flannelette, 377 yds., 45.11; tumblers, 12 doz., 6.00; cheese, 162 lbs., 18.66; hats, 4 doz., 4.80; eggs, 50 doz., 4.50	5,553 13
Mickle, Dyment & Son: Lumber, 12339 ft., 310.75; Mackie, D.: Berries, 15.38	324 11
Mainer, R.: Iron, tinware, etc., 66.75; Millar, M.: Postage stamps, 64.00; rent of box, 2.00	132 75
Moffatt, T. W. & Co.: Fish, 2138 lbs. @ 9c., 194.70; salmon, 6 doz. cans, 9.65	204 35
Morrison, The Jas. Mfg. Co.: Valves, 44.74; iron pipe, 14.00; scales, 21.00; castings, repairs, etc., 59.16	138 90
Midland Coal Dock Co.: (Balce 1903 coal contract) Egg, 51-1660 tons, at 6.15, 195.73; slack, 211-465 tons @ 3.90, 823.81; (1904 contract) grate, 80-400 tons @ 5.80, 465.16; stove, 92-1100 tons @ 6.05, 559.93; slack, 2614-400 tons @ 3.42, 8,940.56	10,995 19
Mulcahy, Thos.: Boots & shoes, 18 prs., 33.10; rubbers, 1 pr., 1.00; mocassins, 18 prs., 20.75	54 85
Morrison, E.: Rep'g boots, 15.50; Murdock, J.: Insp. of scales, 4.50	20 00
Moon, Jno.: Straw, 9-095 tons, 33.26; hardwood, 10 cords, 42.50	75 76
Moore, W. H.: Services as painter, 466.50; Muir, T. J.: Trav. expenses, 16.70	483 20
Macdonald, Jno. & Co.: Sheeting, 1340 yds., 243.03; shirting, 2129 yds., 294.39; serge, 77 yds., 131.64; cotton, 4227 yds., 341.92; denim, 124 yds., 23.56;	

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR FEEBLE-MINDED, ORILLIA.—Continued.

## EXPENSES.—Continued.

lining, 114 yds., 33.09; spools, 43.20; curtains, 7 prs., 28.00; braces, 6 doz. prs., 13.50; socks, 22 doz. prs., 60.00; ticking, 459 yds., 85.18; shaker, 217 yds., 19.04; sunas, 15.63; leather mitts, 3 doz. pr. 8.25; caps, 5 doz., 6.25; drill, 62 yds., 5.74; warp, 6 bales, 6.90; rug, 45.00; mitts, 4 doz., 9.60; gloves, 6 doz., 21.00; flannel, 285 yds., 47.26	1,482 18
Macnab Bros.: Nails, 3 kegs, 8.20; glass, 49.00; rubber packing, 17½ lbs., 5.22; belting, 118 ft., 40.89; carvers, 3 prs., 3.75; table knives, 12 doz., 36.00; iron, hardware, etc., 283.79; cups, 8 doz., 9.60; quebracho, 1 bbl., 38.34; cement, 6 bbls., 13.60; hose, 40 ft., 16.00; lace leather, 3.50; plaster paris, 3 bbls., 7.50; japan, 6 gals., 7.50; mitts, 1 doz., 5.00; bath enamel, 1 gal., 4.50; turpentine, 19 gals., 20.90; paint, 9.38; pitchers, ½ doz., 4.50; assorted brushes, 7.00; varnish, 1 gal., 2.25; chambers, 7½ doz., 46.59; clothes baskets, 1 doz., 11.00; ladder, 5.00; spoons, 2 doz., 4.00; turpentine, 6 gals., 6.60; fire bricks, 3.50; chisels, 6.00; bits, 4.75; locks, 2 doz., 9.25	673 11
McMahon, Broadfield & Co.: Plates, 24 doz., 15.60; chinaware sundries, 3.25; cups, 24 doz., 10.57; dinner set, 16.50; basins, 1 doz., 3.80; ewers, 1 doz., 3.80; covered dishes, 1 doz., 4.80	58 32
McKerroll, Jas.: Sundry groceries, 44.33; lemons, 3 cases, 7.95; candy, 200 lbs., 13.50; nuts, 150 lbs., 18.75	84 53
McKay & Co.: Socks, 6 doz. prs., 15.84; McLeod, M.: Potatoes, 23 bags, 18.67	34 51
McPhee, A.: Turkeys, 326 lbs., 45.64; McBrearty, M.: Trav. expenses, 9.50	55 14
McCulloch, R.: Hay, 2-815 tons, 26.48; McIntosh, D.: Oats, 99 bu., 31.81	58 29
McReynolds, Thos.: Music supplied, 12.50; McGillicuddy, L.: Trav. expenses, 11.00	23 50
MacKinnon, L. J.: Socks, 28 prs., 8.40; Nash, M. V.: Trav. expenses, 56.53	64 93
Northway Co.: Tabling, 34 yds., 18.17; cotton, 26 yds., 4.03; sundries, 4.30; handkerchiefs, 33 doz., 14.76; ties, 8 doz., 11.40	52 66
Nelson, H. W. & Co.: Brooms, 75 doz., 233.91; soap, 15.00; scrubs, 30 doz., 46.50; combs, 7 doz., 5.75; asst'd brushes, 11.90; sundries, 1.00; clothes baskets, 2 doz., 16.26; matches, 1 c/s., 3.10	333 42
Norman, T. J.: Trav. expenses, 16.25; Ontario Pub. Co.: Sub., 6.00	22 25
Ontario Rubber Co.: Packing, 24 ft., 1.40; gaskets, 7.35	8 75
O'Hare & Sons: Yarn, 258 lbs., 96 39	96 39
O'Connor, C.: Turnips, 109 bu., 10.95; O'Connor, P.: Turnips, 117 bu., 11.78	22 73
Perry and Alport: Linen, 496 yds., 77.56; muslin, 184 yds., 23.75; yarn, 48 lbs., 18.48; print, 400 yds., 49.05; hose, 252 prs., 67.75; buttons, 7.54; sundries, 55.45; shirting, 2,837 yds., 388.20; napkins, 2 doz., 8.00; quilts, 50, 46.25; oil cloth, 186 yds., 44.16; elastic, 6 yds., 5.40; caps, 3 doz., 9.00; spools, 24 doz., 11.52; towelling, 101 yds., 15.23; flannel, 979 yds., 209.98; ribbon, 197 yds., 13.48	1,050 80
Perryman, Jno.: Hay, 4-1805 tons, 58.83; oats, 89 bu., 29.65	88 48
Polson Iron Works: Tube expander, 25.00; Pomeroy, S.: Repairs, 7.80	32 80
Queen City Oil Co.: Cup grease, 10.00; sundries, .84; candles, 144 lbs., 13.32; boiled oil, 48 gals., 23.66	47 82
Rolph, Clark Co.: Die & stamping, 9.50; Rogers Furniture Co.: Magazine stand, 7.50	17 00
Rals'on, Jno.: Regg. shoes, 24.70; Robertson, Geo. S.: Potatoes, 122 bags, 100.43	125 13
Remington Typewriter Co.: Reg'g typewriter, 15.35; letter book, 3.20	18 55
Riley, Thos.: Wash basins, 18.10; iron pipe, 36.00; plumbers' supplies, 18.00	72 10
Regan, Jno.: Potatoes, 94 bu., 34.53; turnips, 262 bu., 26.23	60 76
Ratliffe, E.: Hay, 5-1325 tons, 62.29; potatoes, 24 bags, 19.60; oats, 56½ bu., 19.20	101 09
Riordan, W.: Potatoes, 35 bus., 14.47; turnips, 90 bu., 9.07	23 54
Regan, M. S.: Potatoes, 91 bu., 33.40; turnips, 214 bu., 21.43	54 83
Regan, Thos.: Apples, 31 bbls., 31.00; potatoes, 169 bu., 67.18; turnips, 301 bu., 30.17; straw, 1190 lbs., 3.27	131 62
Regan, P.: Potatoes, 97 bu., 35.72; turnips, 174 bu., 17.42	53 14
Rutherford, Wm.: Straw, 1-770 tons, 7.62; Ross, Jno.: Horseshoeing, 5.30	12 92
Rolph, Smith & Co.: Lithographing, 26.25; Steele & Crawford: Lumber, 36.43	62 68
Sundry Newspapers: Advertising re supplies, 120.75; re fuel, 58.00	178 75
Smith, R. O. Co'y: Stationery, books, etc.	14 99
Taylor, Jno. & Co.: Ldry soap, 8131 lbs., 487.86; toilet soap, 200 boxes, 480.00	967 86
Tiffin & Co.: Berries, 20.87; sundries, 2.31; tobacco, 12 lbs., 5.52; peaches, 10 bskts., 7.50; soap, 4.10; pears, 12 bskts., 4.20; plums, 6 bskts., 3.60	48 10
Thomson, R.: Oats, 241 bu., 84.26; Thomson, D.: Oats, 46 bu., 16.36	100 62
Thomson, A.: Potatoes, 37 bags, 26.13; Tiffin, R.: Potatoes, 150 bags, 102.46	128 59



## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ASYLUM FOR FEEBLE-MINDED, ORILLIA.—Concluded.

## EXPENSES.—Concluded.

Turner, E.: Potatoes, 72 bu., 26.43; Town Treasurer: Motor power, 556.00 .....	582 43
Times Ptg. Co.: Printing & stat'y, 65.75; United Factories: Pails, 10 doz., 18.47 ....	84 22
Vick, Geo. & Sons: Flour contract, 1203 bbls. @ 3.73, 4,487.23;	
oats, 25 bu., 7.75; sugar, 1700 lbs., 76.80; bran., 16-1300 tons, 303.96;	
shorts, 6-800 tons, 128.00; tea, 2483 lbs., 434.52; currants, 162 lbs., 9.32;	
rice, 3374 lbs., 136.95; pepper, 4.66; beans, 11 bu., 21.04;	
pot barley, 3.00; eggs, 60 doz., 7.80; tobacco, 24 lbs., 10.92; oat chop, 400 lbs., 5.00;	
corn starch, 80 lbs., 5.20; tapioca, 176 lbs., 6.16; sundries, 14.89 .....	5,663 20
Wilson, J. H.: Salt, 39 bbls., 58.50; syrup, 6695 lbs., 182.29; molasses, 96 gals., 29.86;	
sugar, 29187 lbs., 1,244.04; prunes, 1500 lbs., 93.75; vinegar, 29 gals., 8.85;	
eggs, 98 doz., 14.70; currants, 146 lbs., 9.13; beans, 11 bu., 20.23; baskets, 4.00;	
tobacco, 12 lbs., 5.52; rice, 666 lbs., 25.64; tea, 342 lbs., 61.56 .....	1,758 07
Wood, Alex.: Turnips, 211 bu., 21.11; potatoes, 60 bu., 22.30 .....	43 41
Woods, S.: Potatoes, 15 bu., 7.91; Wigg, P. H.: Hay, 1-1640 tons, 10.92 .....	18 83
Warwick Bros. & Rutter: Printing and stationery .....	8 25
World Furnishing Co.: Rugs, 65.50; chairs, 92.00; couch, 13.50;	
intermercs, 45.00; rockers, 7.40; window shade, 35 yds., 12.25;	
sundry furniture, 43.50; linoleum, 59 yds., 59.00 ..	338 15
Sundry persons: Accounts unenumerated under 10.00 .....	75 26

## CENTRAL PRISON.

## SALARIES (\$24,294.83).

J. T. Gilmour, M.D.: Twelve months' salary as Warden .....	2,000 00
M. Logan: do Deputy Warden .....	1,200 00
W. Sloan, M.D.: do Physician .....	950 00
A. Jaffray: do Bursar .....	1,300 00
J. M. Campbell: do Storekeeper .....	800 00
G. W. Edgar: do Clerk and Librarian .....	950 00
J. O. Anderson: do Accountant .....	500 00
F. W. Lyons: do Sergeant .....	900 00
A. Sangster: do Cook and Baker .....	700 00
W. Crackle: do Mason .....	700 00
W. R. Hardy: do Carpenter .....	600 00
W. W. Mason: do Engineer .....	800 00
S. Graham: Seven do Asst. Gardener .....	315 00
E. Borthwick: Four do .....	205 00
Guards (24): Twelve do .....	12,374 83

## EXPENSES (\$40,201.64).

Aikenhead Hardware, Ltd.: Glue, 20 lbs., 5.00; japan, 43 gals., 28.06; locks, 6.75;	
iron hardware, etc., 67.65; feed boxes, $\frac{1}{2}$ doz., 12.00; sash cord, 6.50 .....	125 96
Applegath, Jess: Fur cap, 6.00; uniform caps, 1 doz., 21.00 .....	27 00
Arndt Tree Protector: Tree protectors, 15.00; Bourdon, N. J.: Hats, 24.00 .....	39 00
Brown, Alex. Milling Co.: (Balce. 1903 flour contract), 102 bbls., at 3.31 .....	337 62
Bingham, G. A.: Drugs & chems., 122.45; Bain Book & Staty. Co.: Books, 37.25....	159 70
Brown Bros.: Envelopes & staty., 37.25; blank books, 11.00 .....	48 25
Breakey, W.: Hay, 1-640 tons, 13.86; Bursar: To pay sundries, 27.71 .....	41 57
C. P. Industries: Clothing, 2,620.92; boots & shoes, 1,179.55; bedding, 148.40;	
cleaning, 699.40; stable, 192.57; furnishings, 37.54; repairs, 711.51 .....	5,589 89
Can. Gen. Electric Co.: Electrical supplies, 21.92; Can. Foundry Co.: Castings, etc., 26.10	43 02
Can. Oil Co.: Coal oil, 81 gals., 13.12; candles, 36 doz., 3.78; eng. oil, 48 gals., 19.40..	36 30
Can. Biscuit Co.: Biscuits, 323 lbs., 20.90; jam, 244 lbs., 14.79 .....	35 69
Christie, R. J.: Buggy, 150.00; Common Sense Mfg. Co.: Rat exterminator, 6.00 .....	156 00
Coleman, C. W.: Regg. & clg. clocks, 7.50; Cameron, L. K.: Paper & staty., 102.52	110 02
Consumers Gas Co.: Gas, 900.88; C. P. Railway Co.: Freight charges, 6.98.....	907 86
Campbell, Alex.: Services as temporary carpenter ..	315 13
Doyle, The M. Fish Co.: Fish, 7,940 lbs., 595.51; Dickson Co.: Railway ties, 10.50	606 01
Don Valley Brick Works: Brick, 8.50; Dack, R. & Son: Boots, 2 prs., 8.00 .....	16 50



## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## CENTRAL PRISON.—Continued.

## EXPENSES.—Continued.

Domestic Mfg. Co.: Laundry soap, 24 boxes .....	84 00
Eckardt, H. P. & Co.: Rice, 3,320 lbs., 124.50; evap. apples, 200 lbs., 13.50;	
pails, 6 doz., 12.00; sugar, 7,440 lbs., 325.06; tobacco, 416 lbs., 275.55;	
prunes, 100 lbs., 6.00; syrup, 4,082 lbs., 117.41; currants, 474 lbs., 24.55;	
sundries, 68.38; mustard, 12 lbs., 4.80; pepper, 40 lbs., 6.00; molasses, 23 gals., 7.84;	
raisins, 56 lbs., 3.92 .....	987 51
Empire Wall Paper Co.: Wall paper, etc., 39.24; Fleischmann & Co.: Yeast, 234 lbs., 70.15	109 51
Fairles Milling Co.: Rolled oats contract, 46 bbls., at 3.85; 177.10;	
split peas contract, 35 bbls., at 4.60, 161.00; flaked wheat, 48 bbls., 131.00 .....	469 10
Gunn's, Ltd.: Short cut pork, 66 bbls., 1,209.00; eggs, 677 doz., 133.74;	
turkeys, 267 lbs., 42.07; bacon & hams, 544 lbs., 68.95; pot barley, 4.25;	
sundries, 2.50; salt, 25.70; lard, 50 lbs., 4.25; cheese, 71 lbs., 7.23 .....	1,497 74
Greig, Robt. & Co.: Coffee, 650 lbs., 134.00; pepper, 160 lbs., 32.00; sundries, 25.00;	
baking powder, 90 lbs., 16.20 .....	207 20
Graham Nail Works: Nails, 5 kegs, 12.05; Grant, Hamilton Oil Co.: Coal oil, 45 gals., 9.00	21 05
Gutta Percha & Rubber Mfg. Co.: Hose, 50 ft., 10.50; rubber boots, 6 prs., 9.68;	
packing, 7.80; sundries, .45 .....	38 43
Gurney Stove & Furnace Co.: Repr. & covering boilers, 42.10; globe heater, 5.50 .....	47 60
Gurney Foundry Co.: Grate bars, 20.04; G. T. Railway Co.: Freight charges, 5.95	25 99
Globe Ptg. Co.: Subs. (2), 10.00; Golden's Livery: Livery hire, 7.50 .....	17 50
Gourlay, Winter & Leeming: Rent of organ & piano, 28.00;	
Grenadier Ice Co.: Ice, 203 tons, 114.35 .....	142 35
Gilmour, J. T.: Balce. re table allowance, 533.92; allowance re furniture and	
furnishings, 100.00; trav. expenses, 19.10 .....	655 02
Hunter, Moses: Oats 700 bus., 265.79; bran, 6½ tons, 127.45;	
straw, 2-1324 tons, 22.39; barley, 5 bus., 2.40; hay, 8-871 tons, 101.41;	
bruised oats, 1,203 lbs., 13.23; corn meal, 876 lbs., 12.26 .....	544 93
Hobbs Hardware Co.: Razors & strops, 9.86; granite buckets (400), 120.00;	
granite mugs (500), 45.00; pails (100), 40.00; sundries, 1.20; less freight chgs., 12.45	203 61
Hall, Jas.: Repr. roofs, slate, etc., 148.60; Hartz, The J. F. Co.: Surg. appliances, 51.77	203 37
Howland, H. S. Sons & Co.: Iron hardware, etc., 51.87; granite pails, 2 doz., 6.81;	
lanterns, ½ doz., 3.50; scoops, ½ doz., 5.22; screws, 12.42; spoons, 1 gro., 3.00;	
axe handle, 2 doz., 5.00; razors, ½ doz., 7.50; hoes, 1 doz., 3.40; lantern burners, 7.93;	
padlocks, ½ doz., 4.63; emery paper, 1 rm., 14.40; carvers, 4 sets, 5.10;	
glue, 25 lbs., 4.56; mitts, 2½ doz., 8.66 .....	144 00
Hunter, R.: Exch. on cows, 80.00; purchase of meat, 6,187.89 .....	6,267 89
Hall, F. & Son: Gloves, 11 prs., 11.00; mitts, 2 doz., 6.00 .....	17 00
Harris, Dr.: Professional services and medicines .....	107 50
Inglis, Jno. Co.: Re-tubing boiler, 295.00; Independent Cordage Co.: Rope, 147.15 .....	442 15
Johnston, J. A. & Co.: Drugs & chems., 21.08; Jeffrey & Eakins: Photo supplies, 93.00	114 08
Junor, Wm.: Tumblers 12 doz., 10.80; covered dishes, 1 doz., 6.60; jugs, 1 doz., 6.50;	
nappies, 6 doz., 4.50 .....	28 40
Ko-Ri-Za Chemical Co.: Disinfectant, 500 gals .....	300 00
Kay, Jno. Son & Co.: Carpet, making & laying, 73 yds., 131.27; chairs, 28.75 .....	160 02
Lyon & Patterson: Pens, 13.50; Leckie, Jno.: Duck, 50 yds., 18.90 .....	32 40
Livingstone, E. J. & Co.: Paper, 7.32; tissue paper, 130 rms., 123.50 .....	130 82
Lawson & Wilson: Blank books, 17.50; Lyons, F. W.: Exps. recovering elopers, 8.00	25 50
Lumsden Bros.: Sugar, 4,985 lbs., 188.39; syrup, 5,491 lbs., 161.54; rice, 2,500 lbs., 95.00;	
tobacco, 483 lbs., 319.11; canned vegetables, 8 doz., 8.60; canned fruit, 4 doz., 3.80;	
currants, 328 lbs., 19.68; mixed peel, 25 lbs., 3.25; raisins, 310 lbs., 25.43;	
corn starch, 40 lbs., 2.70; matches, 1 case, 4.00; soap, 12 boxes, 42.00;	
pails, 6 doz., 17.25; molasses, 45 gals., 13.05; sundries, 7.20 .....	911 00
Maloney, Jno. & Co.: Lime, 6,000 lbs., 22.15; cement, 22 bbls., 56.15; pipe, 140 ft., 21.00;	
fire brick, 1,300, 42.00; sand, 4.00; cartage, 4.95; gravel, 16.00;	
fire clay, 1,500 lbs., 9.00 .....	175 25
Mullin & Muir: Wall paper, 67.55; Morgan, Judge: Exam. of lunatics, 15.00 .....	82 55
Murray, W. A. & Co.: Sheeting, 47 yds., 17.35; towels, 1½ doz., 5.25; towelling, 32 yds., 4.08;	
cretonne, 10 yds., 3.00; quilts (3), 22.50; sundries, 20.41 .....	72 59
Metallic Roofing Co.: Repairing roof .....	12 62
McLaughlin, M. & Co.: Flour contract, 407 bbls., at 3.60, 1,465.20; (.16 additional)	
719 bbls., at 3.76, 2,703.44 .....	4,168 64

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## CENTRAL PRISON.—Concluded.

## EXPENSES.—Concluded.

Macdonald, Jno. & Co.: Blankets, 4.80; cotton, 110 yds., 5.55; ticking, 66 yds., 9.93	20 33
Nelson, H. W. & Co.: Brooms, 107 doz., 288.05; whisks, 8 doz., 11.02	299 07
Nichol, W. J. & Co.: Tea, 612 lbs.,	113 76
O'Keefe Mantel & Tile Co.: Tile and grate	14 88
Page & Co.: Fixing locks, 9.10; Pugsley, R.: Hay, 2750 lbs., 14.43	23 53
Postmater: Postage stamps	128 00
Prisoners' Aid Association: Cab hire <i>re</i> religious services	450 00
Rutherford, Marshall & Co.: Butter contract, 2,113½ lbs., at .16½	354 09
Rogers Furniture Co.: Chair, 18.00; Rennie, Wm.: Seeds, bulbs, etc., 152.21	170 21
Rogers, Elias Co.: (Balce. 1903 coal contract), Run of Mine, 111-700 tons at 3.95, 439.83; 1904 contract, egg, 51-1700 tons, at 5.74, 297.62; nut, 74-1000 tons, at 5.74, 429.92; screenings, 346-1800 tons, at 2.85, 988.68	2,156 05
Robertson, The Jas. Co.: Castings, repairs, etc., 56.76; iron pipe, 38.93; valves, 42.48; boiler, 8.82	146 99
Rochester Germicide Co.: Disinfectant	11 00
Ryan, M.: Shaving soap, 1 gro., 10.08; figs, 80 lbs., 3.20; apples, 30 bbls., 62.50; eggs, 45 doz., 13.05; beans, 15½ bus., 25.20; barley, 3 bags, 7.50; salt, 4 bbls., 9.15; lard, 150 lbs., 14.25; starch, 40 lbs., 2.70; ham, 50 lbs., 6.25; currants, 100 lbs., 6.00; canned vegetables, 36 doz., 40.50; sundries, 17.68	218 06
Remington Typewriter Co.: Carbon paper, 4.00; ribbon, 3.50	7 53
Sundry persons: Services as temporary guards:—	
J. H. Colvin, 55.00; J. H. Callaghan, 210.00; J. R. Durdas, 150.00;	
G. L. Stewart, 41.66; W. M. Hunter, 210.00; A. McFalls, 13.50; J. White, 280.00;	
F. J. Yourex, 460.00	4,420 16
Sparrow, Geo. & Co.: Iron, tinware, etc., 5.00; re-tinning coffee urn, etc., 49.98; repairs, 6.00	60 93
Smith, J. B. & Son: Lumber, etc., 688.83; Standard Vinegar Co.: Vinegar, 1½ bbls., 7.52;	696 35
Sundry Newspapers: Advertising <i>re</i> supplies, 63.15; <i>re</i> fuel, 63.00	126 15
Stewart & Wood: Paint, 7.28; alabastine, 180 lbs., 12.60	19 88
Simcoe Wood & Lumber Co.: Ry. ties, 35.00; Simmers, J. A.: Seeds, bulbs, etc., 102.47	137 47
Standard Woollen Mills Co.: Shirts, 30 doz., 181.88; Spence, Dr. J.: Surgical operations, 20.00	201 88
Smith, W. Harland: Exchange on horse, 75.00; repg. harness, 16.25	91 25
Shuttleworth, E. B. Chem. Co.: Drugs & chems., 167.87; Stanway, Geo. & Co.: Tea, 875 lbs., 190.38	358 25
Simpson, Robt. Co.: Gloves, 26 prs., 26.00; Shirts, 5 doz., 28.75; straw hats, 29.27; hats, 6.00; shoes, 4.00; cot, 6.00	100 02
Stanners, A. C.: Spectacles, 6 doz., 15.00; sundries, .15	15 15
Sundry persons: Allowance for overwork and good conduct	166 50
St Michael's Cathedral: Cab hire <i>re</i> religious services	250 07
Toronto Coffee & Spice Co.: Baking powder, 160 lbs., 28.80; pepper, 160 lbs., 32.00; coffee, 660 lbs., 136.80; sundries, 5.25	202 84
Toronto Electric Light Co.: Electric light, 787.86; <i>Toronto Ry. and Steamboat Guide</i> , Sub., 5.00	792 86
Taylor, Jno. & Co.: Laundry soap, 3,551 lbs., 133.16; toilet soap, 24 boxes, 88.20; sal soda, 375 lbs., 3.75; shaving soap, 1 gro., 6.00	231 11
Taylor, J. & J.: Special keys, 126.58; Toronto Ry. Co.: Car tickets, 105.00	231 53
United Factories: W. W. heads, 1 doz., 25.33; hanister brushes, ½ doz., 1.62	26 95
Upper Canada Bible Society: Bibles, 400	260 00
Vance & Co.: (Balce. 1903 butter contract), 118 lbs., at .18, 21.24 potato contract, 1.518 bus., at .69, 1,047.23; beans, 153 bus., 280.87; pot barley, 3 bbls., 13.25; cheese, 228 lbs., 24.33; lard, 450 lbs., 41.25; salt, 38.35; ham, 192 lbs., 25.36; eggs, 150 doz., 27.70; berries, 40.44; pork, 33 bbls., 602.50; apples, 49.50; peaches, 9.60; poultry, 16.28; sundries, 6.90	2,244 80
Wheeler & Bain: Stove, 13.00; Warwick Bros. & Rutter: Ptg. & staty., 42.80	55 80
Wood, Vallance & Co.: Cartridges, 11.73; White, E.: Sausages, 565 lbs., 62.15	73 34
Watson, Jno. T.: Hay, 3-810 tons, 36.68; Ward, G. W. & Son: Horse, 175.00	211 63
Whimster, Jas.: Towels, 5 doz., 12.25; handkerchiefs, 12 doz., 10.20; crash, 872 yds., 89.00; cotton, 713 yds., 64.25; beans, 17 bus., 31.61; duck, 30 yds., 7.50; sheeting, 65 yds., 14.30; towelling, 161 yds., 16.15	245 26
Waterworks Dept.: Water	751 21
Sundry persons: Accounts unenumerated under 10.00	68 95

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## INSTITUTION FOR THE DEAF AND DUMB, BELLEVILLE.

## SALARIES (\$24,180.56).

R. Mathison: Twelve months' salary as	Superintendent	1,900 00
P. D. Goldsmith, M.D.:	Physician	600 00
W. Cochrane:	Bursar	1,000 00
M. Ross:	Matron and Housekeeper	500 00
D. R. Coleman:	Teacher	1,200 00
Paul Denys:	do	1,000 00
J. C. Balis:	do	1,000 00
G. F. Stewart:	do	1,000 00
W. J. Campbell:	do	1,000 00
H. L. Ingram:	do	700 00
Effe Terrill:	do	650 00
Sarah Templeton:	do	700 00
T. Cross: Seven	do Articulation	350 00
A. Mathison: Five	do do	275 00
Thos. C. Forrester: Twelve	do	650 00
Mary Bull:	do	350 00
Sylvia L. Balis:	do	650 00
Georgina Linn:	do	400 00
Ada James:	do	300 00
C. H. Gibson: Seven	do Articulation	291 70
T. Cross: Five	do do	208 30
M. J. Madden: Twelve	do	300 00
H. M. Gowsell:	do Domestic Science	366 60
H. J. Austin:	Clerk and Stenographer	400 00
Wm. Nurse:	Storekeeper and Assoc. Supervisor	600 00
G. G. Keith:	Boys' Supervisor	534 00
M. Dempsey:	Seamstress and Girls' Supervisor	350 00
M. L. Stratton: Ten	Trained Nurse	328 98
Jno. Dowrie: Twelve	Carpenter	550 00
Wm. Langmuir:	Asst. Carpenter	225 00
A. Morrice:	Shoemaker	380 00
J. T. Burns:	Printer	550 00
C. J. Peppin:	Engineer	600 00
D. Cunningham:	Baker	450 00
Jno. Moore:	Farmer and Gardener	450 00
H. McIllhew:	Watchman	324 00
Jas. Ross: Three	Stoker	78 22
C. Lloyd: Six	do	146 78
A. Sills: Three	do	75 10
C. Benedict:	Teamster	60 00
H. Black: Nine	do	204 00
H. Black: Three	Messenger	48 00
S. Rickett: Nine	do	162 00
Nurse Maids (2): Eleven	do	301 04
Cooks (2): Twelve	do	344 58
Maids (10):	do	1,239 40
Laundresses (3):	do	422 00

## EXPENSES (\$25,904.84).

Allen, S.: Vinegar, 42 gals., 11.91;	Austin, H. J.: Advertising, 8.00	19 91
Ackerill, D. H., V.S.: Pro. services & medicines, 21.00;	<i>Am. Annals of the Deaf</i> : Sub., 48.20	69 20
Black, W. & Son: Fish, 102.35; Bleecker, D.: Drugs & chems., 19.60		121 95
Brown, Arthur: School inspection, 50.00; trav. expenses, 7.85		57 85
Belleville Canning Co.: Canned vegetables, 130 doz. cans, 126.00; canned fruit, 102 doz. cans, 134.74; jam, 200 lbs., 16.00		276 74
Blackburn, T.: Regulators, 10.34; Briggs, Wm.: "Object Lessons," 12.80		23 14
Belleville Gas Co.: Gas, 40.02; Brown, W.: Wages as temporary farm hand, 108.00		148 02
Bell Tel. Co.: Messages, 8.70; Bursar: To pay sundries, 38.99		47 69
Chown, W. W. Co.: Iron hardware, etc., 43.95; valves, castings, etc., 54.74;		
rubber hose, 50 ft., 12.50; closet bowls (2), 24.00		135 19



## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## INSTITUTION FOR THE DEAF AND DUMB, BELLEVILLE.—Continued.

## EXPENSES.—Continued.

C. P. Industries: Flannel, 86 yds., 21.50; tweed, 171 yds., 91.30 .....	115 80
Clark, Wm.: Meat contract, 37,261 lbs., at 5.90, 2,198.34; pork, 1,465 lbs., 146.50; sausage, 740 lbs., 66.60; sundries, 1.25 .....	2,412 69
Collins, Geo.: Hardwood, 28 cords, 128.80; Caldwell, Jos.: Dentistry, 50.00 .....	178 80
Copeland, Jas.: Harness repairs, 45.61; blankets, 4.50; single harness, 32.50 .....	82 61
Canadian Mute: Postage stamps, 8.25; Cook, D. C. Pub. Co.: S. S. leaflets, 28.75 .....	37 00
Common Sense Mfg. Co.: Roach pwdr., 6 lbs., 6.00; Cameron, L. K.: Paper & staty., 71.00 .....	77 00
Cronk, H. W.: Stabling horses, 22.50; hire of vans, 22.50; clipping horses, 2.00 .....	47 00
Carman, S.: Entertainment, 10.00; Can. Exp. Co.: Exp. charges, 27.25 .....	37 25
C. P. R. Tel. Co.: Telegrams, 10.66; Cochrane, W.: Fares of indigent pupils, 29.70 .....	40 36
Duckworth & Brough: Blacksmithing, 42.25; Davies, The Wm. Co.: Bacon & ham 87 lbs., 13.45 .....	55 70
Feeney, P.: Hay, 3,980 lbs., 15.56; Frost, J. G.: Hair, 50 lbs., 30.00 .....	45 56
Foster, Chas. Pottery Co.: Books, 22.50; Farley, C.: Apples, 3 bbls., 7.50 .....	30 00
Fleischmann & Co.: Yeast 166 lbs., 49.80; Finnegan Carriage Co.: Reprg. vehicles, 38.80 .....	88 60
Gilmour Bros. & Co.: Drugs & chems., 28.50; Gage, W. J. & Co.: Stationery, etc., 207.12 .....	235 62
Graham, R. J.: Apples, 37 bbls., 74.50; Greenleaf & Son: Repairs, 17.65 .....	92 15
Grant, Hamilton Oil Co.: Cyl. oil 29 gals., 22.50; Gibson, W. J., M.D.: Pro. services 12.00 .....	34 50
Grafton, F. E. & Sons: Subs., 22.40; G. T. Railway Co.: Freight charges, 18.94 .....	41 34
G. N. W. Tel. Co.: Telegrams, 11.71; Gibson, A. A.: Postage stamps, 151.50 .....	143 21
Haslip, T.: (Balce. 1903 meat contract) 2,122 lbs. at 5.95, 126.25; suet, 30 lbs., 3.00 .....	129 25
Haseltine, W.: Threshing grain, 22.00; Hall, Wm.: Apples, 8 bbls., 16.00 .....	38 00
Hagan, W.: Cartage .....	14 00
Hanley, J. C. & Co.: Sundry groceries, 126.08; cranberries, 7.50; vinegar, 29 gals., 7.38; raisins, 310 lbs., 24.10; lemons & oranges, 35.25; haddie, 38.10; salmon, 120 doz. cans, 207.80; herring, 16 doz., 17.60; nuts, 27 lbs., 49.00; table raisins, 18 boxes, 69.00; apples, 12½ bbls., 28.38; prunes, 986 lbs., 75.40; dates, 60 lbs., 4.80; lard, 160 lbs., 18.35; rice, 220 lbs., 12.20; bacon, 149 lbs., 23.70; syrup, 7,181 lbs., 287.24; rolled oats, 10½ bbls., 55.50; wheatlets, 196 lbs., 7.84; currants, 496 lbs., 37.26; bran, 2½ tons, 50.75; corn meal, 3 bbls., 13.50; tea, 756 lbs., 217.70; sardines, 20.60; evap. apples, 50 lbs., 3.75; corn starch, 170 lbs., 13.25; mustard, 22.08; flour, 29.13; pickles, 2½ doz., 9.25; wheat, 18.10; cheese, 287 lbs., 33.98; syrup, 31 gals., 29.75; maple sugar, 103 lbs., 12.36; beans, 4 2-3 bus., 8.40; figs, 42 lbs., 3.10; pepper, 35 lbs., 10.70; cocoa, 6 lbs., 3.00; salt, 2 bbls., 3.00; soap, 55.25; potatoes, 45 bags, 32.25; shorts, 1,000 lbs., 12.00; matches, 1 case, 4.00 .....	1,738 38
Institution Shoe Shop: Reprg. shoes for indigent pupils .....	142 64
Industrial Soap & Oil Co.: Laundry soap, 715 lbs. ....	28 60
Kenny, Walmsley & Co.: Currants, 63 lbs., 4.76; prunes, 100 lbs., 7.00; haddie, 8 doz., 8.40; herring, 16 doz., 16.40; rice, 331 lbs., 15.40; sugar, 13,331 lbs., 598.01; sundries, 32.37; corn starch, 200 lbs., 13.25; laundry starch, 100 lbs., 6.00; lye, 4 cases, 15.00; salt, 1 bbl., 3.25; raisins, 108 lbs., 9.72 .....	729 56
Leavens, C. C.: Coal .....	912 60
Laidlaw & Ketcheson: Cotton, 16 yds., .80; sheeting, 407 yds., 172.98; carpet, 29 yds., 34.37; sundries, 27.38; oil cloth, 24 yds., 6.00; towelling, 307 yds., 46.16; napkins, 3 doz., 8.25 .....	295 94
Lally, M.: Scuffler, 8.50; Lang, Chas.: Work on sewage works, 16.00 .....	24 50
Lloyd, S. W.: Hay, 2,260 lbs., 10.73; Meyer Bros.: Duck, 9 yds., 6.39 .....	17 12
Meincke, C. A. & Co.: Ldry. machinery, 9.80; Mullin C.: Freight on cordwood, 29.00 .....	38 80
Massey Harris Co.: Reprg. implements, 10.10; Morang, G. N. & Co.: Books, 18.70 .....	28 80
Map & School Supply Co.: School supplies .....	7 40
Mathison, R.: Balce. re table allowance, 314.28; allowance re furniture & furnishings, 80.76; trav. expenses, 124.24 .....	519 28
McGie, Wm.: Castings, etc., 24.47; iron, hardware, etc., 38.41; reprg. roofs, 94.55; thermometer, 4.50 .....	161 93
McBrearty, M.: Trav. expenses, 49.30; McCargar, J. K.: Apples, 9 bbls., 9.00 .....	58 30
McIntosh Bros.: Dusters, ½ doz., 4.80; athletic goods, 7.00; chinaware, 6.03; toilet paper, 15.00; clothes baskets, ½ doz., 7.50; office baskets (6), 4.50; sundries 6.75 .....	51 58
McLaughlin, M. & Co.: Flour contract, 80 bbls., at 5.77½, 502.00; (.16 additional), 136 bbls. at 3.93½, 535.16 .....	837 16
McIntyre, E. J.: Peaches, 20 baskets, 20.00; pears, 1 bbl., 4.00 .....	24 00
McKeown, J. S.: Drugs & chems., 31.40; McCoy, R.: Hire of vans, 12.00 .....	43 40



## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## INSTITUTION FOR THE DEAF AND DUMB, BELLEVILLE.—Continued.

## EXPENSES.—Continued.

McMurray, B.: Reprg. telephones, 13.85; Nelson, H. W. & Co.: Brooms, 36 doz., 116.64	130 49
Nasmith Co.: Lunches for pupils, 12.30; N. C. School for Deaf and Dumb: Books, 15.00	27 30
Oak Hall: Clothing, 7.35; Phillips, R.: Apples, 6 bbls., 14.00	21 35
Paterson, Wm. & Son Co.: Biscuits, tarts, etc., 99.83; candy, 265 lbs., 21.78;	..
peanuts, 150 lbs., 15.88; popcorn, 3 gro., 3.00	140 49
Plunkett, Geo.: Coal contract, large egg, 851-390 tons at 5.25, 4,468.77;	..
small egg, stove & nut, 102-1210 tons at 5.50, 564.50	5,033 07
Pringle, A. N.: Lumber, 151.91; Palen, H. B.: Services tempy. stenographer, 18.00	169 91
Parke, Davis & Co.: Drugs, etc., 9.26; Postmaster: Rent of box, 4.00	13 26
Ritchie Co.: Sundries, 38.35; linenette, 43 yds., 5.38; wool, 10 lbs., 13.95	..
linen, 42 yds., 4.28; rug, 8.75	70 69
Richards Pure Soap Co.: Laundry soap, 3,525 lbs., 141.00; Robinson, A.: Subs., 8.00	149 00
Rathbun Co.: Grate coal, 78-700 tons at 7.00	548 45
Reed & Sills: Reprg. mattresses, furniture, etc., 64.90; Ray, Alex.: Drugs & chems., 88.55	153 45
Roblin, Geo. E.: Honey, 753 lbs., 59.04; Ross, J. V.: Mason work, 18.00	77 04
Sprague, Jno. & Son: (Balce. 1903 butter contract) 723 lbs. at .22	159 06
Sundry officials: Travelling expenses taking pupils home & returning them to	..
Institution, G. G. Keith, 13.80; D. R. Coleman, 22.60; P. Denys, 23.10;	..
G. F. Stewart, 25.75; J. T. Burns, 8.50; Ada James, 8.40; S. L. Balis, 14.20;	..
M. Dempsey, 12.50; W. Nurse, 5.75; W. Cochrane, 2.50; W. J. Campbell, 14.10	149 00
Sundry persons: Services as trained nurse re epidemic:—	..
Edith Allison, 108.01; Olive Allison, 44.00; F. Bates, 46.00; trav. exps., 6.90;	..
Charlotte Edwards, 104.30; Beatrice Gibson, 20.00	329 21
Sundry newspapers: Advertising re supplies, 54.40; re fuel, 43.00	97 40
Sprague, Mark: Butter contract, 7,532 lbs. at .25, 1,732.36; turkey, 50 lbs., 6.50;	..
chickens, 185 lbs., 20.13; apples, 10 bbls., 15.00	1,773 99
Sinclair, D. V. & Co.: Dress goods, 40 yds., 18.70; sundry furnishings, 54.07;	..
ticking, 55 yds., 13.75; cotton, 219 yds., 16.44; linen, 25 yds., 15.08;	..
napkins, 2 doz., 3.50; batting, 6.00; buttons, 3.00; silesia, 50 yds., 6.88;	..
denim, 58 yds., 14.50; thread, 5 gro., 27.00	178 92
Stroud Bros.: Chinaware, etc., 28.05; cups, 7 doz., 4.20; cups & saucers, 35 doz., 28.00;	..
fruit jars, 8 doz., 11.20; toilet set, 5.00; plates, 15 doz., 10.50; jugs, 2 doz., 7.20;	..
scallops, 2 doz., 6.00	100 13
Schuster, C.: Shingles, 2M., 6.00; lumber, 6,015 ft., 147.57	153 37
Scarfe & Co.: Varnish, 10 gals., 50.00; Sulman, Chas. N.: Fireworks, 20.00	70 00
Sills, S. G.: Milk, 14,915 qts., 522.02; reaping 15 acres, 17.25	539 27
Steinberger, Hendry Co.: Charts, 46.00; Steele, Briggs Seed Co.: Seeds & bulbs, 21.40	67 40
Simmers, J. A.: Seeds, bulbs, etc., 24.50; Stevenson, M. J.: Books, 12.50	37 00
Scantlebury, C. B.: Stationery, 68.48; slates, 5 cases, 45.00; slate pencils, 44 boxes, 8.80;	..
framing pictures, 18.00; toilet paper, 2 cases, 10.00; books, 61.35;	..
wall paper, 41.47; repairs, 8.00; sub., 1.00; bibles, 12.00; Christmas Globes, 13.50	287 60
Sine, A. O.: Horseshoeing, 19.00; Shane, P.: Work on sewage works, 350.00	369 00
Silla, A.: Services tempy. stoker, 25.00; Soal, T.: Cartage, 23.04	48 04
Thompson & Co.: Chairs, 23.60; Templeton, R. & Co.: Drugs & chems., 233.27	256 87
Taylor, C.: Flag pole, 90.00; re-erecting pole, 15.00	105 00
Thrasher, Geo.: Horseshoeing	76 25
Trenton Electric & Water Co.: Electric light, 976.13; electric shades, 20.16	996 29
Vermilyea, A. W. & Son: Rubber boots, 5 pr., 21.75; sundries, 4.70	26 45
Vandervoort, R.: Hay, 2,190 tons	16 76
Vermilyea, A. G.: Sundry groceries, 84.63; coffee, 585 lbs., 170.05; lard, 240 lbs., 30.00;	..
poultry, 46.25; eggs, 1,501 doz., 303.22; corn starch, 40 lbs., 3.20;	..
salmon, 20 doz cans, 12.50; pepper, 25 lbs., 8.00; baking powder, 15 doz., 75.00;	..
soap, 150.50; apples, 15 bbls., 32.50; turkeys, 435 lbs., 65.25; sugar, 300 lbs., 15.00;	..
salt, 6.75; cheese, 598 lbs., 72.36; bacon, 34 lbs., 5.07; lye, 2 cases, 8.00; berries, 86.60;	..
bananas, 4.90; currants, 9.11; cherries, 4.80	1,213 99
Walker, J. W.: Iron, hardware, etc., 133.35 turpentine, 10 gals., 10.00; glass, 45.50;	..
nails, 21.55; locks, 7.00; lawn mowers (2), 11.00; rubber hose, 225 ft., 49.50;	..
enamel, 44 tins, 8.80; tea spoons, 15 doz., 15.00; floor dressing, 7 tins, 8.75;	..
table spoons, 2 doz., 4.00; turpentine, 5 gals., 5.00; dessert forks, 2 doz., 4.00;	..
latches (12), 14.25; white lead, 1,200 lbs., 68.00	405 70
Williams, The F. Co.: Disinfectant, 30 gals., 48.00; Woods, A.: Hay, 3,270 lbs., 12.39	66 38

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## INSTITUTION FOR THE DEAF AND DUMB, BELLEVILLE.—Concluded.

## EXPENSES.—Concluded.

Wallace, Jas. & Co.: Peaches, 4.55; plums, 10.05; grapes, 16.60; sundries, .60 .....	31 80
Williams, Geo.: Filling ice houses as per contract, 90.00; cleaning flues, 12.00....	102 00
Watson, W. W.: Bread, 7.74; Walker Foundry: Castings, repairs, etc., 22.78	30 52
Weymark, Geo.: Painting, etc., 150.25; Wilson, E.: Services tempy. stoker, 15.52	165 77
Waterworks Dept.: Water .....	900 00
Sundry persons: Accounts unenumerated under 10.00 .....	81 05

## INSTITUTION FOR THE BLIND, BRANTFORD.

## SALARIES (\$17,844.89).

H. F. Gardiner: Twelve months' salary as Superintendent .....	1,800 00
W. B. Wickens: do Asst. do .....	1,200 00
W. N. Hossie: do Bursar .....	1,100 00
J. A. Marquis, M.D.: do Physician .....	500 00
A. M. Rice: do Matron .....	450 00
M. E. Walsh: do Teacher .....	500 00
C. Gillen: do do .....	500 00
E. Moore: do do .....	500 00
E. A. Harrington: do do .....	400 00
E. Loveys: do do .....	350 00
L. H. Haycock: do do .....	350 00
E. Lee: do do .....	400 00
K. Burke: Nine do do .....	151 36
T. S. Usher: One do do .....	50 00
P. J. Roney: Twelve do do .....	462 50
E. A. Humphries: do do .....	700 00
J. A. Hayter: Eleven do do .....	550 00
Thos. Truss: Twelve do Trades Instructor .....	1,100 00
M. J. Cronk: Nine do Visitors Attendant .....	168 36
J. Kirk: Twelve do Nurse .....	290 00
M. Stewart: do do .....	260 00
G. G. Lambden: do Carpenter .....	450 00
Thos. Harrison: Four do Engineer .....	200 00
J. B. Wilson: Eight do do .....	400 00
J. B. Wilson: Four do Asst. Engineer .....	158 33
A. L. McIntyre: Eight do do .....	316 67
A. L. McIntyre: Four do Fireman .....	120 00
C. F. Lewis: Eight do do .....	250 00
D. Willits: Twelve do Gardener .....	500 00
P. Berney: do Teamster and Farm Hand .....	350 00
F. Osborne: do Porter and Messenger .....	260 00
Geo. Grierson: do Baker .....	425 00
Cooks (2): do .....	347 77
Maid (10): do .....	1,170 36
Laundresses (4): do .....	481 54
Jno. Daly: do Temporary Laborer .....	314 00
J. W. German: One-half do Night Watchman .....	15 00
Jno. McLean: Three & two-thirds do .....	112 00
J. Swayne: Two & one-fourth do .....	67 00
C. F. Lewis: Four do .....	125 00

## EXPENSES (\$14,693.03).

Agnew, Jno.: Boots & shoes, 14.20; Allen Electric Co.: Lamps, fittings, etc., 31.00	45 20
Anglo-Can. Music Pub. Assn: Sheet music, 7.21; Am. Ptg. House for the Blind: Books, 28.85	36 06
Am. Express Co.: Exp. charges, 4.05; Almas, Jas.: Apples, 4 bbls., 5.00 .....	9 05
Ballantyne, A.: Iron hardware, etc., 58.54; white lead, 200 lbs., 11.40;	
raw oil, 5 gals., 3.25; glass, 4.80; packing, 11 lbs., 7.23; scales, 1 pr., 5.50;	
varnish, 1 gal., 3.00; wire screen 13.50; turpentine, 8 gals., 8.60 .....	115 82

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## INSTITUTION FOR THE BLIND, BRANTFORD.—Continued.

## EXPENSES.—Continued.

Burns, Jas.: Bacon, 54 lb., 8.81; eggs, 53 doz., 9.40; sugar, 621 lbs., 29.85; lard, 43 lbs., 4.85; soap, 4.25; sundries, 28.19	85 35
Brown, A. E.: Tea, 204 lbs., 56.30; coffee, 323 lbs., 85.65; breakfast foods, 4.95; sundries, 2.64	149 52
Bloxham, J. C.: Meat contract, 15,755 lbs. at .62, 1,063.43; sundries, 16.93	1,080 36
Bishop, Jno. & Son: Hardware sundries, 54.00; white lead, 300 lbs., 19.50; raw oil, 25 gals., 17.50; turpentine, 10 gals., 10.00; enamel, 2 gals., 12.00; hard oil, 3 gals., 7.50	120 50
Brantford Starch Works: Laundry starch, 222 lbs., 14.03; ldry. soap, 220 lbs., 11.00	25 03
Brantford Electric & Operating Co.: Electric light, 639.00; power, 42.33; repairs, 42.68	724 01
Brantford Gas Co.: Gas, 327.00; Brantford St. Railway Co.: Car tickets, 9.00	336 00
Brantford Water Works: Water, 244.23; rent of hydrants, 160.00	404 23
Brant Avenue Methodist Church: Sittings for 26 pupils	52 00
Brantford Coal Co.: (Balce. 1903 coal contract), soft lump, 24-1730 tons at 5.05, 125.57; pine, 7.55	133 12
Bond, A. E.: Eggs, 30 doz., 8.40; Burns, R. C.: Table oil cloth, 12.00; sundries, .90	21 30
Britnell, A.: Books, 50.30; Barnes, Adam: Horses, 1 team, 300.00	350 30
Buskard, Jno.: Stationery, etc., 20.05; Bell, B. C., M.D.: Pro. services, 179.50	199 55
Boughner, H.: Postage stamps & post cards, 126.50; Bursar: To pay sundries, 61.39	187 89
Crompton, E. B. & Co.: Sheeting, 255 yds., 63.69; cotton, 191 yds., 18.47; sundries, 17.53; towelling, 378 yds., 71.94; quilts (30), 43.50; tabling, 15 yds., 9.00	224 13
Chave, R. C.: Painting and paperhanging, 224.15; Cleator, H.: Threshing grain, 6.00	230 15
Cowan, T. A.: Repairs, plumbing, etc., 95.43; hose, 150 ft., 21.00; closet bowl, 12.00	128 43
Charleton, T. W.: Eggs, 35 doz., 8.03; Charleton, Mary: Eggs, 30 doz., 5.16	13 19
Cobb, J. B.: Sub., 3.50; Cameron, L. K.: Paper & staty., 13.44	16 94
Can. Express Co.: Exp. charges, 8.42; Cowan, F.: Board of pupil, 22.50	30 92
Duncan, Chas.: Shade rollers, 2.28; carpet, 54.00; curtains, 2 prs., 11.00; sundries, 5.25	72 53
Dillon, W. G.: Harness repairs, 9.30; Daniels, A. W.: Harness repairs, 40.30	49 60
Dyckman, J. M. & Co.: Filling ice house, 70.00; manure, 21.00; saw dust, 8.00; cartage, 26.00	125 00
Darwin Orchestra: Services of orchestra, 12.00; Fitness, Wm.: Repairs, bricklaying etc., 105.15	117 15
Forde, J. & Co.: Yeast, 16.65; eggs, 30 doz., 7.50; tea, 3 lbs., 1.50	25 65
Foulds Bros.: Berries, 8.25; poultry, vegetables, etc., 28.24; sundries, 8.11	44 60
Foster, Jas.: Dials, 7.50; Fyle, J. J., V.S.: Pro. services & medicines, 82.40	89 90
First Baptist Church: Sittings for 6 pupils, 12.00; Fyle, L.: Cutting grain, 7.00	19 00
Gardiner, H. F.: Balce. re table allowance, 223.56; allowance re furniture & furnishings, 92.73; trav. exps. 76.35; sundries, for Christmas tree, 10.00; incidentals, 2.00	404 64
Glancey, Jno.: Cutting & drawing grain, 11.25; Graham, Alex., Plants, 17.50	28 75
Grace Anglican Church: Sittings for 26 pupils	52 00
Gibson, Whitaker Co.: Bread, etc., 6.55; G. T. Railway Co.: Freight charges, 8.19	14 74
Hartley, R. & F.: Bacon, 21 lbs., 3.49; mustard, 2.00; eggs, 95 doz., 22.45; currants, 30 lbs., 2.00; sugar, 1,157 lbs., 54.35; lard, 86 lbs., 9.04; soap, 4.00; rice, 100 lbs., 6.00; cocoa, 3.36; cheese, 17 lbs., 2.23; beans, 2 bus., 3.50; brooms, 1 doz., 3.00; salmon, 4 doz., 6.00; sundries, 14.04	135 46
Hughes, W. L.: Jacket, 4.25; Howey, J. R.: Cement works, 35.20	39 45
Hossie, W. N.: To pay fares of indigent pupils, 30.60; guides' fares, 21.65; pupils pumping organ, 29.45	81 70
Hay, Jas. B.: Seeds, bnlbs, etc., 31.23; Hearn, F. P.: Horseshoeing, 25.45	56 68
Hurley, J.: Horseshoeing, 27.25; Hurley & Watkins: Printing, 55.50	82 75
Hammacher, Schlemmer & Co.: Repg. pianos, 11.88; Harrison, Thos.: Furnishings, 7.50	19 38
Institution Work Shop: Baskets, 11.85; Indus. Soap & Oil Co.: Ldry. soap, 366 lbs., 14.64	26 49
John H. Statford Hospital: Care and maintenance	100 00
Long, M. E.: Repairing furniture, etc.	35 15
Malcolm, Jno.: Butter contract, 4,353 lbs. at .22	957 66
Metropolitan Soap Co.: Ldry. soap, 396 lbs., 19.80; Malcolm, Geo. H.: Wool blankets, 10 prs., 33.50	53 30
Mann, Jno. & Sons: Coal contract, stove, egg, & nut, 494-1535 tons at 5.80, 2,869.65; soft, 94-235 tons at 4.10, 385.88; lime, 1 bus., .25	3,255 78
Moore, Henry & Son: Sundries, 27.24; sugar, 1,253 lbs., 56.07; eggs, 89 doz., 13.82; rice, 100 lbs., 5.50; sauces, 1 doz., 3.80; bacon, 32 lbs., 5.25; brooms, 1 doz., 3.50; lard, 60 lbs., 6.40	121 58



PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*INSTITUTION FOR THE BLIND, BRANTFORD.—*Continued.*EXPENSES.—*Continued.*

Mintern, M.: (Balce. 1903 meat contract), 1,011 lbs., at 7 .....	85 71
Merrill, F. W.: Drugs and chems., 14.20; Mulligan, R.: Wood, 2½ cords, 7.50 .....	21 70
Mitchell, C. J.: Repairs, 14.70; Meyer Bros.: Washing soda, 560 lbs., 11.20 .....	25 90
Mallagh, W. J. F.: Staty., books, etc., 28.30; Mason & Risch Piano Co.: Reprg. pianos, 17.04 .....	45 34
McLean, Ogilvie & Lochead: Napkins, 3 doz., 8.25; sundry furnishings, 16.49 .....	24 74
McBrearty, M.: Trav. expenses inspection of boilers .....	4 00
National Typewriter Co.: Reprg. and adjusting 8 typewriters .....	48 00
Nightingale, Jas.: Cleaning closets, 7.63; Osborne, Chas.: Hay, 2,120 lbs., 7.95 .....	15 58
Osborne, W.: Hay, 5-290 tons, 40.09; Ont. Pub Co.: Directories, 9.00 .....	49 09
Oliver, Wm.: Rent of engine & filling silo .....	17 00
Paterson, E.: Sundry groceries, 26.15; biscuits, 9.06; eggs, 53 doz., 13.52;	
bacon, 42 lbs., 7.16; cheese, 49 lbs., 6.91; corn starch, 82 lbs., 5.95; pepper, 5 lbs., 1.25;	
lard, 143 lbs., 17.88; canned vegetables, 4 doz., 5.20; syrup, 4 gals., 2.40;	
soap, 12.40; tea, 5 lbs., 2.50; mustard, 3.36; sugar, 1,089 lbs., 51.21;	
prunes, 50 lbs., 4.00; raisins, 30 lbs., 3.05; sauces, 1 doz., 3.75; pickles, 1 doz., 4.20 .....	179 95
Pugsley, Dingman & Co.: Ldry. soap, 1,563 lbs., 78.99; Preston, T. H.: Sub. (3 copies), 9.00 .....	87 99
Park & Co.: Subs., <i>Globe</i> , 16.00; <i>Mail and Empire</i> , 8.00; sundry magazines, 48.20;	
staty., etc., 5.90; photos, 23.50 .....	101 60
Postmaster: Rent of box, 6.00; Ryan, P.: Envelopes, tags, etc., 42.50 .....	48 50
Ryerson, T. E. & Co.: Poultry, 91.72; fruit, 71.47; fish, 20.79; sundries, 12.98 .....	196 96
Rolph Clark Co.: Die & stamping, 22.00; Robertson, M. H.: Drugs & chem., 93.69 .....	115 69
Ratcliffe, W. A.: Tea, 125 lbs., 30.50; Ritchie, D. A.: Barbering, 14.20 .....	44 70
Smith, A. J.: Sundry groceries, 32.10; eggs, 86 doz., 23.00; sugar, 931 lbs., 38.01;	
raisins, 28 lbs., 2.80; brooms, 1 doz., 3.00; lard, 90 lbs., 9.15; soap, 15.60;	
prunes, 50 lbs., 4.50; apricots, 50 lbs., 6.25; rice, 100 lbs., 5.50 .....	139 91
Schultz Bros. & Co.: Slate racks, (25), 15.00; repairs, lumber, etc., 44.85 .....	59 85
Steinberger Hendry Co.: School supplies, 8.65; Sayles & Carson: Fish, 1,361 lbs., 123.47 .....	142 12
Sutherland, J. & J.: Print paper, 1,108 lbs., 88.64; toilet paper, 3 cases, 22.50;	
stationery, 42.75; blank books, 57.00; papering & painting, 36.03 .....	246 92
Standing, T. W.: Examination literary classes, 50.00; Smith, H. M.: Cleaning & reprg.	
cisterns, 13.00 .....	63 00
St. Basils R. C. Church: Sittings for 19 pupils .....	38 00
St. Andrews Presbyterian Church: Sittings for 23 pupils .....	46 00
Simmons, S.: Rolled oats, 16 bags, 38.60; bran, 4-1200 tons, 11.30; sundries, 3.50;	
seeds, 3.75 .....	127 15
Secord, Wm.: Carpentering work, 16.00; Street Bros.: Cutting feed, 6.00 .....	22 00
Sundry Newspapers: Advertising <i>re</i> supplies, 43.00; <i>re</i> fuel, 22.31 .....	65 31
Smith, A. E.: Reprg. shoes, 11.75; Spence, A. & Sons: Reprg. vehicles, etc., 63.31 .....	75 06
Sundry Officials: Trav. expenses taking pupils home and returning them to	
Institution; E. A. Humphries, 27.20; P. J. Roney, 30.75; L. H. Haycock, 20.15;	
W. B. Wickens, 4.35; E. Lee, 11.90; C. Gillen, 5.35; A. M. Hossie, 4.50;	
T. Truss, 5.45; E. Moore, 8.75; E. A. Harrington, 2.10 .....	120 50
Truss, P. G.: Sundry groceries, 21.49; sugar, 909 lbs., 44.10; bacon, 57 lbs., 9.43;	
eggs, 51 doz., 9.78; cheese, 15 lbs., 1.92; pepper, 10 lbs., 2.80; raisins, 58 lbs., 5.80;	
starch, 40 lbs., 3.00; tapioca, 100 lbs., 4.00; lard, 25 lbs., 2.60 .....	104 92
Turnbull, Howard & Co.: Oil stove, 5.00; castings, 4.70; rope, 54 ft., 3.10;	
iron hardware, etc., 61.62; fire brick, 3 sets, 11.80; tableware, 24.48 .....	110 70
Toronto College of Music: Examination in music .....	33 25
Taylor, Chas. & Co.: Valves, etc., 12.30; Tanscott, S. & Co.: Drugs & chems., 33.53 .....	45 83
Tilley, Jos.: Wall paper, staty., etc., 49.02; Tweedle, W.: Board of pupil, 22.50 .....	71 52
Vanstone, A. L.: Sundry groceries, 21.96; chinaware, 26.92; eggs, 78 doz., 19.28;	
bacon, 25 lbs., 5.44; lard, 60 lbs., 6.60; sugar, 656 lbs., 27.20; raisins, 28 lbs., 2.38;	
prunes, 50 lbs., 4.00; corn starch, 40 lbs., 3.20; rice, 100 lbs., 5.75; soap, 4.50;	
beans, 2 bus., 4.20 .....	131 43
Wallace, J. T.: Sundry groceries, 57.70; eggs, 51 doz., 18.07; brooms, 1 doz., 4.00;	
bacon, 18 lbs., 3.05; sugar, 1,418 lbs., 71.81; salmon, 4 doz., 6.00; starch, 42 lbs., 3.36;	
lard, 20 lbs., 2.40; rice, 100 lbs., 6.00; cheese, 20 lbs., 3.03 .....	175 47
Winter, G. S. Son & Co.: Sundry groceries, 28.04; pumpkins, 4½ doz., 12.00;	
lard, 60 lbs., 7.30; sausage, 31 lbs., 2.65; eggs, 50 doz., 8.50;	
canned vegetables, 6 doz., 6.50; cheese, 26 lbs., 3.66; biscuits, 5.04; pickles, 2 doz., 8.00;	
raisins, 27 lbs., 2.56; sugar, 367 lbs., 13.38; starch, 41 lbs., 2.46; apricots, 25 lbs., 3.25;	
salmon, 4 doz., 6.00; syrup, 6 gals., 6.00 .....	115 34



## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## INSTITUTION FOR THE BLIND, BRANTFORD.—Concluded.

## EXPENSES.—Concluded.

Wood Bros.: Chop feed, 6 tons, 133.00; bran, 1,500 lbs., 12.50; shorts, 1,000 lbs., 9.00; sundries, 15.11; flour contract, 87 bbls., at 3.66, 318.42 .....	488 03
Williams, The F. Co.: Disinfectant, 10 gals., 16.00; Wallace, J. A.: Drugs & chems., 16.43	32 43
Wood, Thos. L.: Coal, 5-1970 tons, at 4.75, 28.43; cement, 3½ bbls., 8.70; slabs, 1 cord, 6.00	43 13
Waterous Eng. Works Co.: Regg. boilers, etc., 99.87; Wright, C. B.: Awnings, 16.45	116 32
Whitlock, R. T. & Co.: Clothing, 27.25; Williamson, J.: Board of pupil, 22.50 .....	49 75
Young, J. M. & Co.: Blankets, (40) .....	133 00
Sundry persons: Accounts unenumerated under 10.00 .....	55 55

## ANDREW MERCER REFORMATORY FOR FEMALES

## SALARIES (\$12,499.64).

Emma O'Sullivan: Twelve months' salary as Superintendent .....	1,000 00
Lucy M. Coad: do Asst. do .....	600 00
M. Elliott: do Principal Girls' Refuge .....	750 00
B. Boland: do Secretary .....	350 00
M. Down: do Housekeeper .....	200 00
P. Backus: do Chief Attendant .....	275 93
Teachers in Refuge (7): do .....	2,096 80
Attendants and Servants (11): do .....	1,615 78
Jno. S. King, M.D.: do Physician .....	800 00
R. W. Laird: do Bursar and Storekeeper .....	1,100 00
Jas. Kelly: do Engineer .....	600 00
Jno. R. Laing: do Asst. Engineer .....	570 80
P. Chambers: Eight do Night Watchman .....	366 64
Jno. Clarke: Four do do .....	183 36
R. Wheeler: Twelve do Messenger (board) .....	531 00
J. F. Barron: do Gardener .....	450 00
W. A. Hill: do Carpenter and mason .....	608 33
F. Egan: do Caretaker and Stableman .....	400 00

## EXPENSES (\$18,949.80).

Aikenhead Hardware, Ltd.: Iron, hardware, etc., 32.11; dessert knives, 1 doz., 5.00; hose, 170 ft., 25.00; hose reels (2), 5.00 .....	67 11
Allan, J. W.: Glass, 76.16; white lead, 700 lbs., 38.45; boiled oil, 25 gals., 15.70; turpentine, 16 gals., 16.40; nails, 17 kegs, 51.95; latches (11), 23.10; hardware sundries, 182.14; sash weights, pulleys, cord, etc., 22.70; wire cloth, 12 yds., 3.00; locks, 16.10; sash cord, 3.50; scales, 1 set, 10.65; screws, 8.46; hinges, 1 pr., 5.00 .....	473 51
Allen, S.: Vinegar, 42 gals. ....	9 84
Bentley, L., M.D.: Exam. of inmates, 16.00; Barrett, C.: Potatoes, 25 bags., 22.25 .....	38 25
Brown, Alex. Milling Co.: (Balce, 1903 flour contract), 10 bbls., at 3.51 .....	35 10
Blade, W. E.: Chapel supplies, books, etc., 55.35; Belle Ewart Ice Co.: Ice, 205.30 .....	258 63
Bertram Engine Works Co.: Regg. boilers, 23.60; Bryant Press: Ptg., staty., etc., 18.50	42 10
Baird, N.: Hauling manure and plowing, 110.00; Brown Bros.: Stationery, 14.20 ..	124 20
Bursar: To pay sundries, 104.27; car tickets, 28.00; allowance in lieu of meals, 17.28; sub., 10.75 .....	160 28
Can. Oil Co.: White lead, 600 lbs., 29.10; turpentine, 5 gals., 4.10; laundry soap, 6 boxes, 12.90; linseed oil, 31 gals., 16.25; sundries, 60 .....	62 95
Cobban Mfg. Co.: Moulding, 10.80; Cameron, L. K.: Paper & staty., 79.03 .....	89 83
C. P. Industries: Shoes, 221 prs., 254.75; petticoating, 134 yds., 80.40; flannel, 35 yds., 21.00; yarn, 229 lbs., 84.70; blankets, 302 lbs., 11.40; sundries, 52.29; trousers, 15 prs., 75.63; plants, (600), 30.00; overcoats, 59.00; clothing, 182.55; bed, 7.50; horseshoeing, 12.66 .....	976 18
Crawford, Jas.: Rolled oats contract, 16 bbls., at 4.00 .....	64 00
Cowan, R. G.: Tea, 210 lbs., 36.75; Coleman Bros.: Regg. vehicles, 14.00 .....	50 75
City Dairy Co.: Milk, 517.92; Consumers Gas Co.: Gas, 1,058.62 .....	1,576 54
Coleman, C. W.: Regg. & cleaning clocks, 28.25; Crow, T. A.: Delivery sleigh, 42.00	70 25

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ANDREW MERCER REFORMATORY FOR FEMALES.—Continued.

## EXPENSES.—Continued.

Cullen, T.: Wages assisting gardener, 365.50;	Corkery, M. J.: Wages assisting gardener, 286.00	651 50
Doyle, The M. Fish Co.: Fish, 167.23; Dougan, D.: Potatoes, 15 bags, 15.00		182 23
Dunn, J. R.: Straw, 2,730 lbs., 15.51; hay, 3-330 tons, 31.85		47 36
Domestic Mfg. Co.: Soap, 11.18; East India Tea & Coffee Co.: Coffee, 175 lbs., 55.00		46 18
Eaton, T. Co.: Sundry furnishings, 5.72; hats, 16.99; raincoat, 5.00		27 71
Elliott, M.: Christmas fund for Refuge, 25.00; car tickets, 6.00; trav. exps. attending convention, 100.00; grant to library, (Refuge), 25.00; sundries, 9.35		155 35
Eby, Blain Co.: Salt, 7 bbls., 10.50; soap, 2.89; prunes, 200 lbs., 13.00; figs, 130 lbs., 5.10; canned vegetables, 34 doz. cans, 38.60; ldry. starch, 203 lbs., 10.46; sal soda, 3,750 lbs., 37.50; syrup, 2,712 lbs., 81.36; matches, 3 cases, 9.30; sugar, 4,940 lbs., 227.19; beans, 7½ bus., 13.03; blueing, 43 lbs., 8.16; sundries, 12.15; mustard, 3.24; pearline, 1 case, 3.90; extracts, 1 doz., 4.00; salmon, 4 doz., 7.20; raisins, 131 lbs., 10.76; baking powder, 4.50; cod fish, 1 case, 6.50; pot barley, 2.75; table salt, 1 bbl., 3.00		515 14
Fletcher Mfg. Co.: Speaking tubes, 6.32; Fleischmann & Co.: Yeast, 25.48		51 80
Fane, F. M.: Services temporary attendant, 121.00; Falls, A.: Services, 7.50		122 50
Fotheringham, D.: Inspection of Refuge for 1904		40 00
Graham, A.: (Balce 1903 rolled oats contract), 2 bbls., at 5.00		10 00
Graham, R. H.: (Balce, 1903 potato contract), 15 bus., at .74		11 10
Gowans, Kent & Co.: China, glassware, etc., 51.58; chambers, 1 doz., 3.20; fruit jars, 6.13		60 91
Gurney Foundry Co.: Oven burners & grates, 7.15; Goodfellow, J.: Cab hire, 23.25		30 40
Griffin, P.: Cab hire, 7.25; Globe Ptg. Co.: Subs., 10.00		17 25
Hunter, R.: Purchase of meat, 1,338.03; Harris, The E. Co.: Paints & oils, 2.35		1,346 38
Hamilton, W. B. Shoe Co.: Boots & shoes, 24 prs., 38.40; laces, 1 gro., 2.75		41 15
Hutchinson, T.: Painting & paper, 41.10; Hewitt, W.: Postage stamps & cards, 70.00		111 10
Hendry, F.: Straw, 3.93; apples, 4 bbls., 6.75		10 68
Hefron, J. J. & Co.: Mattresses (15), 33.00; hair, 5 lbs., 2.50		35 50
Institution for Deaf & Dumb: Boots & shoes, 36 prs.		37 80
Johnston, J. A. & Co.: Drugs & chems., 32.41; Jones & Moore Co.: Electrical fittings, 8.50		40 91
Junor, Wm.: Soup toureen, 11.65; bowls, 2 doz., 4.90; cups & saucers, 1 doz., 4.75; cups, 1 doz., 4.75; plates, 2 doz., 5.55; chinaware, etc., 7.70		39 30
Johnson, D.: Regg. locks, 17.75; locks, 57.00; regg. iron door & shutters, 20.00; keys, 3.00		97 75
Kay, Jno. Son & Co.: Carpet sweepers, 9.75; sundries, 26.34; shades (36), 50.42; rugs, 30.00; curtains, 4 prs., 31.00; burlap, 30 yds., 13.50; linoleum, 37 yds., 50.63; carpet, 73 yds., 97.04; reog. furniture, 16.10		324 78
Kemp Mfg. Co.: Tinware, etc., 20.04; Long, T. & Bro.: denim, 320 yds., 44.80		64 84
Lugsdin, Geo. & Co.: Harness repairs, 8.35; waterproof covers, 9.00		17 35
Luke, F. E.: Spectacles, 4 prs., 6.50; sundries, 1.45		7 95
Lawraon, S. F. & Co.: Powder ammonia, 326 lbs., 19.56; Meincke, C. A.: Ldry. supplies, 10.70		30 26
Murray, W. A. & Co.: Sundry furnishings, 74.47; boots, 4.00; rugs, 117.60 denim, 22 yds., 7.70		203 77
Meadows, Geo. B. Co.: Wire guards, 6.10; My Optician: Spectacles, 9.00		15 10
Morrison Brass Mfg. Co.: Brass plate, 10.00; pyrometer, 15.00; sundries, 1.06		26 06
Muldoon, J. & Co.: Cement, 2 bbls., 6.80; lime, 34 bus., 13.70; fire clay, 1.50		22 00
Morgan, Judge E.: Exam. of inmates, 15.00; Might Directories, Ltd.: Directory, 6.00		21 00
Metropolitan Soap Co.: Laundry soap, 2,439 lbs., 117.48; soap, 1 case, 3.25		120 73
Meyer Bros.: Baskets (6), 16.80; starch, 642 lbs., 58.10; sundries, 1.60		76 50
Musselman, J.: Buffalo robe, 25.00; Mail Ptg. Co.: Subs., 12.00		37 00
Musselman, N.: Services tempy. messenger, 25.20; Miles, J. B.: Services as guard, 6.00		31 20
Macdonald, Jno. & Co.: Vests (7), 15.75; butter cloth, 139 yds., 5.56; rugs, 10.25; print, 587 yds., 56.50; shirting, 531 yds., 59.45; lace, 3 yds., 3.00; combs, 6 doz., 4.50; cretonne, 34 yds., 5.95; sheeting, 370 yds., 68.47; spools, 6½ gro., 35.10; denim, 565 yds., 92.49; curtains, 4 prs., 22.00; cotton, 1,832 yds., 155.63; pique, 101 yds., 17.20; crash, 55 yds., 5.55; hose, 4.50; lining, 47 yds., 4.68; linen, 58 yds., 13.40; gingham, 294 yds., 36.94; pins, 6.20; towels, 12 doz., 7.50; canvas, 50 yds., 5.00; towelling, 182 yds., 22.79; sundries, 39.60; handkerchiefs, 11 doz., 11.00; warp, 6.60; flannel, 61 yds., 4.58; ticking, 61 yds., 7.07		727 26
McLaughlin, M. & Co.: Flour contract, 60 bbls., at 3.60, 216.00; (.16 additional) 117½ bbls., at 3.76, 441.80; pastry flour, 7½ bbls., 30.00		687 89
Nelson, H. W. & Co.: Scrubs, 5 doz., 5.05; sundries, 23.35; baskets, ½ doz., 4.63; combs, 24.98; brooms, 7 doz., 16.70		74 71

## PUBLIC INSTITUTIONS MAINTENANCE.—Continued.

## ANDREW MERCER REFORMATORY FOR FEMALES.—Concluded.

## EXPENSES.—Concluded.

Nichol, W. J. & Co.: Tea, 111 lbs . . . . .	21 09
O'Sullivan, Jno.: Installing electric bells, etc. . . . .	13 35
O'Sullivan, Emma: Balce. re table allowance, 317.71; allowance re furniture and furnishings, 83.30; car tickets, 18.00; Christmas decorations, 5.00; incidentals, 5.93; trav. exps., 7.15; trav. exps. attending convention, 116.20 . . . . .	555 29
Perfection Heating Co.: Gas burners (2), . . . . .	9 00
Prisoners' Aid Association: Cab hire re religious services . . . . .	250 00
Ryan, The Wm. Co.: (Balce. 1903 butter contract), 281 lbs., at 18, 5.58; split peas contract, 1½ bbls., at 4.85, 7.28; lard, 311 lbs., 30.58; bacon, 946 lbs., 125.83; eggs, 381 doz., 91.14; poultry, 20.22; pork, 225 lbs., 16.96; haddie, 2.40; potatoes, 37 bags, 42.20; sundries, 6.91 . . . . .	394 10
Rutherford, Marshall & Co.: Butter contract, 3,476½ lbs., at 16½, 582.32; sundries, 1.92; Robertson, The Jas. Co.: Castings, 21.20; Rees, The Chas. F. & Co.: Heat deflector, 6.00	584 24
Rice, Lewis & Son: Tubes, 10.05; sheet brass, 2.68 . . . . .	27 20
Rush, J.: Potatoes, 25 bags., 25.00; fruit & vegetables, 49.10; apples, 5 bbls., 5.00 . . . . .	12 73
Revell, F. H. Co.: Songs & solos, 8.80; Rennie, Wm.: Seeds, bulbs, etc., 84.72 . . . . .	79 10
Rogers Furniture Co.: Reg. furniture, 6.10; Ross & Cowan: Tea, 80 lbs., 14.00 . . . . .	93 52
Rogers, Elias Co.: (Balce. 1903 coal contract), 63-350 tons, at 5.95, 320.69; soft screenings, 102-1250 tons, at 3.95, 405.37; 1904 contract, run of mine, 519-1020 tons, at 3.70, 1,922.19; stove, 75-540 tons, at 6.00, 451.62 . . . . .	20 10
Rochester Lamp Co.: Burners, 2 doz., 9.55; mantles, lamps, etc., 12.25 . . . . .	3,099 87
Swan Bros.: Candies, 25 lbs., 2.06; nuts, 20 lbs., 3.00; baking powder, 4 doz., 18.00; salt; 2 bbls., 3.20; prunes, 150 lbs., 9.75; canned vegetables, 8 doz., 9.30; maple syrup, 5 tins, 6.55; tea, 100 lbs., 18.00; sugar, 305 lbs., 12.88; sundries, 160.68 . . . . .	27 80
Snow, R. B.: Apples, 14 bbls., 23.75; oranges & lemons, 13.86; poultry, 5.74; sundries, 63.07; eggs, 352 doz., 75.55; berries, 34.83; lard, 10 lbs., 1.20; cherries, 7.70; plums, 4.40; peaches, 8.80 . . . . .	243 36
Stewart & Wood: Paints & oils, 47.45; Steinberger, Hendry Co.: School supplies, 52.46 . . . . .	256 68
Sundry persons: Wages carpenters, laborers, etc., re repairs:—Wm Smith, 75.00; J. Ruthven, 73.80; J. Musselman, 50.00; E. Kennedy, 243.50; N. Musselman, 53.02; T. Hutchinson, 32.10 . . . . .	99 97
Sundry newspapers: Advertising re supplies, 25.36; re fuel, 55.12 . . . . .	527 42
Simpson, The R. Co.: Boots, 1 pr., 4.00; hat, 2.50; raincoat, 7.95 . . . . .	60 48
Sparrow, Geo. & Co.: Radiator brushes, 3.75; pots, 9.50; grate bars, 5.00; coffee pots (2), 8.00; tinware sundries, 8.70 . . . . .	14 45
Smith, J. B. & Sons: Lumber, 46.59; Saunders, W. E. & Co.: Drugs & chems., 147.57 . . . . .	34 95
Singer Mfg. Co.: Sewing machines (2), 60.00; Stevens & Stubb: Reg. brick work, 44.00 . . . . .	194 16
Shea, James: Curtains, 2 prs., 9.00; curtain net, 16 yds., 8.00; pique, 306 yds., 45.98; dress goods, 69 yds., 40.64; towelling, 330 yds., 56.10; gingham, 351 yds., 63.22 . . . . .	104 06
St. Michael's Cathedral: Cab hire re religious services . . . . .	222 91
Taylor, Jno. & Co.: Ldry. soap, 4,500 lbs., 177.27; Toronto Elect. Light Co.: Electric light, 133.65 . . . . .	100 00
Terry, F. G. Co.: Mortar, 6.00; Toronto Carpet Mfg. Co.: Carpets & rugs, 99.77 . . . . .	310 92
Toronto Cabinet Co.: Reg. & upholstering furniture, 119.25; Toronto Ry. & Steamboat Guide: Sub., 5.20 . . . . .	105 77
United Typewriter Co.: Typewriter . . . . .	124 45
United Factories: Asst'd brushes, 8.28; sundries, 12.91; brooms,—½ doz., 5.04; baskets, 1½ doz., 15.49; scrubs, 6 doz., 13.68 . . . . .	111 00
Vance & Co.: Potatoes, 142½ bushels . . . . .	55 40
Watkins, J. H. & Co.: Bruised oats, 5,200 lbs., 65.80; bran, 1,300 lbs., 13.25; sundries, 2.50; hay, 2,055 lbs., 13.38 . . . . .	104 50
Wheeler & Bain: Iron, tinware, etc., 45.19; dish pans (2), 3.50; garbage cans (2), 5.00 . . . . .	94 93
Warwick Bros. & Rutter: Ptg., staty., etc., 62.90; Waterworks Dept.: Water, 399.36 . . . . .	53 69
Webster, H.: Hay, 3,000 lbs., 16.50; Wells, Josephine: Dentistry, 97.25 . . . . .	462 26
Wheeler, R.: Reward for capturing eloper . . . . .	113 75
Sundry persons: Accounts unenumerated under 10.00 . . . . .	10 00
	67 36
Total Public Institutions Maintenance . . . . .	\$950,434 04



## COLONIZATION. (\$7,234.31.)

## Services as guide to intending settlers:—

B. W. Loverin, 6.00;	R. Botham, 5.00;	H. Moore, 10.00;	E. Brinklow, 14.00;
G. G. Hughes, 32.00;	P. Gaudette, 2.00;	C. Newton, 12.00;	E. Siche, 24.00;
J. Stewart, 2.00;	S. Morang, 34.00;	W. W. Shinkle, 6.00;	A. Babcock, 3.00;
C. H. Jones, 28.00;	W. H. Silver, 2.00;	P. Laverdure, 16.00;	A. Cole, 4.00;
C. Neve, 2.00;	A. Snider, 4.00;	J. Nolan, 8.00;	T. McDonald, 25.00;
E. Cornell, 21.00;	A. S. Watson, 14.00;	S. D. Jenks, 10.00;	I. Jenkins, 74.00;
A. A. Ritz, 12.00;	A. J. Gardiner, 16.00;	Alex. Skene, 2.00;	A. McKerse, 4.00;
M. A. Anderson, 4.00;	H. Jeffs, 2.00;	J. D. Aaron, 2.00;	J. Potras, 6.00;
M. T. Boyle, 14.00;	E. Wicklem, 12.00;	G. Walford, 5.00;	J. Hazzard, 4.00;
E. Williams, 6.00;	N. Plaunt, 4.00;	J. Reed, 4.00;	B. J. Bothwell, 12.00;
J. H. Boyd, 11.00;	J. Sage, 8.00;	R. Clarke, 8.60;	C. Baker, 10.00;
J. Peelow, 2.00;	S. McChesney, 10.00;	A. Miniely, 2.00;	J. Louttit, 2.00;
A. F. L. Gibson, 6.00;	W. J. Bailey, 36.00;	R. H. Clarke, 6.00;	W. McKeown, 3.00;
W. J. Crawford, 6.00;	C. Prouty, 45.00;	J. Martin, 6.00;	G. W. Roach, 34.00 ..
J. M. Grant: Services re articles for press ..			670.00
Port Arthur Chronicle: 4,000 copies New Ontario, etc. ....			60 00
Copp, Clarke Co.: 25,000 maps of Ontario, 410.00; F. Smiley: 400 copies <i>Summer Resort Guide</i> , 100.00 ..			161 00
Rose Pub. Co.: 4,000 copies <i>Summer Resort Guide</i> , 400.00; Steinberger, Hendry Co.: Map of Ontario, 5.00 ..			510 00
Advertising:—Sundry newspapers and periodicals, 491.48; <i>Saturday Night</i> , 200.00; Murdock Advertising & Pub. Co.: 50.00; Canadian Press Assn., 200.00; <i>Canadian Military Gazette</i> , 100.00; <i>Commercial Canada</i> , 30.00; <i>Sons of Temp. Record</i> , 70.00; <i>Can. Am.</i> , 332.00; <i>Toronto Christmas Mag.</i> 50.00; McMaster University, 10.00; <i>Western British Amer.</i> 332.00; <i>Farming World</i> , 198.20; <i>Curriers Annual</i> , 10.00; <i>London Echo</i> , 25.00; <i>Varsity</i> , 15.00; C. L. Barker, 15.00; <i>Acta Victoriana</i> , 25.00; <i>Can. Kalendar</i> , 25.00; <i>Pioneer</i> , 25.00; Y. M. C. A., 10.00; <i>O.A.C. Review</i> , 17.50; <i>Can. Freeman</i> , 65.00; <i>Presbyterian</i> , 109.00; <i>Westminster</i> , 46.00; <i>Catholic Directory</i> , 20.00; <i>Farming Advocate</i> , 233.55; <i>University Alumni</i> , 20.00; <i>Can. Farmer</i> , 108.00; <i>Engineering Society</i> , 8.00; <i>Can. Churchman</i> , 75.00; <i>Annual Review</i> , 100.00; <i>Queen's Quarterly</i> , 50.00; <i>Globe Printing Co.</i> , 700.00; <i>Independent Order of Foresters</i> , 262.50 ..			4,028 23
<i>Temiscaming Gazette</i> : Printing, 2.50; Der Nor'western Pub. Co.: Printing, 30.00			32 50
Warwick Bros. & Rutter: Printing & binding report, etc. ....			497 30
L. K. Cameron: Stationery, 55.00; paper, 23.18; A. W. Pringle: Views, 8.25 ..			86 43
Queen's Quarterly Pub. Com.: Half tones, cuts, etc., 5.00; Park & Co.: Photos, 27.00			32 00
Rex Studio: Photo supplies, 43.40; J. G. Ramsey & Co.: Photo supplies, 6.40 ..			49 80
Galbraith Photo Co.: Photo supplies, 2.66; J. Warren: Envelope sealing mach., 20.00			22 66
C. P. R. Telegraph Co.: Telegrams, 34.97; G. N. W. Telegraph Co.: Telegrams, 38.76			73 73
C. W. Irwin: Duty, freight & brokerage, 6.55; Dominion Express Co.: Charges, 23.85			30 40
Can. Express Co.: Charges, 3.04; Wright Cartage Co.: Cartage, .50 ..			3 54
Industrial Exhibition:—			
J. B. Smith & Sons: Lumber, etc., 40.61; Aikenhead Hardware Co.: Hardware, 7.45			48 06
T. Eaton Co.: Decorations, 65.06; Matthews Bros.: Framing pictures, 5.30 ..			70 36
J. F. Cooke: Negatives, 10.00; Geo. Booth & Son: Card signs, 10.50 ..			20 50
Mail Printing Co.: Cards, folders, etc., 41.50; A. Boyes: Building benches, etc., 5.00			46 50
Wright Cartage Co.: Cartage, 8.50; Dominion Express Co.: Charges, 104.30			112 80
J. Robertson: Services at 2.00 per day, 30.00; W. Robertson: Services at .25 per hour, 12.00 ..			42 00
J. Robertson: To pay meals for assistants, 17.50; car tickets, etc., 4.00 ..			21 50
Grains, grasses, etc.: J. D. McKenzie, 60.00; R. McKenzie, 87.00 ..			147 00
James Eadie: Cleaning Colonization House, 12.80; Boyd, Caldwell & Co.: Blankets and express, 32.65 ..			45 45
A. J. Gold: Fare to Dryden, 12.00; G. T. Ry. Co.: Fare, Mrs. Fitzgibbon to Whitby, 2.20			14 20
H. E. Kyle: Trav. expenses ..			3 35

## IMMIGRATION. (\$12,655.63.)

G. T. Railway Co.: Rent of office, Union Station ..	300 00
John Lennox: Cleaning office, 72.00; R. Verity: Services at 2.00 per day, 96.00 ..	168 00
A. J. Reading: Lantern slides New Ontario, for lecturing in England ..	13 85
T. Eaton Co.: Office chairs and table, 42.20; Might Directories: Directory, 6.00;	
Map of Toronto, 1.25 ..	49 45



IMMIGRATION.—*Concluded.*

<i>International Railway Guide</i> : Sub. 1.92; C. Gripton: Rubber stamp repairs, 1.75	3 67	
G. N. W. Telegraph Co.: Telegrams, 104.56; C. P. E. Telegraph Co.: Telegrams, 60.20	164 76	
Bell Telephone Co.: Messages, 29.30; G. T. Railway: Carriage of immigrants, 3,286.51	3,315 81	
C. P. Ry.: Carriage of immigrants, 586.52; C. W. Irwin: Ft. charges, brokerage, etc., 11.00	597 52	
Duggan Bros.: Cartage, 37.00; R. Gray: Cartage, 3.00; Can. Express Co.: Charges, .30	40 30	
Toronto Ry. Co.: Car tickets, 20.00; Kelly Bros.: Provisions for immigrants, 3.00	23 00	
Meals for immigrants: P. E. Callon, 1,083.00; Geo. Irwin, 26.05; J. O'Sullivan, 4.00	1,113 05	
Dr. P. W. O'Brien: Medical services for child, 5.00; A. W. Miles: Burial services of child, 15.00	20 00	
St. Michael's Hospital: Maintenance of immigrant 13-7 weeks	5 00	
Mrs. Schaffner: Rent of room for indigent immigrant	4 50	
Salvation Army: Accountable warrant placing immigrants, 600.00; grant for immigration purposes, 400.00	1,000 00	
Toronto District W. C. T. U.: Grant for immigration purposes	100 00	
Mail Printing Co.: Subscription, 4.00; Globe Printing Co.: Subscription, 9.00	13 00	
H. E. Kyle: Services in England to June 10th, at 75.00 per month	525 00	
travelling expenses and disbursements	420 22	
	945 22	
Less advanced: 1903, 500.00; 1904, 200.00; from P. Byrne, 121.50	821 50	
		123 72
Allowance five months to November 11th for immigration services, 100.00; Accountable warrant, 500.00		600 00
Liverpool Agency:—		
P. Byrne: Twelve months salary and allowance as agent	2,355 59	
E. A. Byrne: do do as clerk	598 04	
P. Byrne: To pay travelling expenses self and staff	163 51	
Advertising printing and contingencies	831 11	
Office rent expenses, fuel, stationery, etc.	832 16	
Travelling expenses of H. E. Kyle	121 11	
Allowance towards expenses visit to Canada	299 08	
Cash on hand to be accounted for	475 05	
	5,675 65	
Less cash on hand January 1st, 1904	874 29	
net interest allowed by Bank	1 07	
	875 36	
Add difference in exchange	.29	875 65
)		4,800 00

## AGRICULTURE.

## GRANTS TO DISTRICT SOCIETIES, (\$76,071.34).

G. C. Creelman: One months' salary as Superintendent of Agricultural Societies	83 34
Addington District, 380.00; Camden, E., 140.00; Hinchinbrook, 138.00; Kennebec, 92.00; Sheffield, 50.00	800 00
Alma East District, 380.00; Day, Well & Bright additional, 33.00; Laird, 58.00; Gladstone, Bright and Thompson, 36.00; Johnston and Aberdeen, 52.00; Plummer additional, 107.00; St. Joseph's Island, 57.00; Thessalon, 77.00	800 00
Algoma West District, 660.00; Oliver, 140.00;	800 00
Brant North District, 660.00; Onondaga, 140.00	800 00
Brant South District and Burford, 520.00; Brantford Horticultural, 140.00	660 00
Brockville District	800 00
Bruce Centre District, 380.00; Elderslie, 51.00; Greenock, 66.00; Huron, 70.00; Kincardine S., 70.00; Chesley Horticultural, 56.00; Kincardine Horticultural, 60.00; Paisley Horticultural, 47.00	800 00
Bruce North District, 380.00; Amabel and Albermarle, 74.00; Arran, 62.00; Bruce, 74.00; Eastnor, 42.00; Saugeen, 27.00; Port Elgin Horticultural, 47.00; Tara Horticultural, 30.00; Tiverton and North Kincardine, 64.00	800 00
Bruce, South District, 380.00; Carrick, 111.00; Culross, 102.00; Kinloss, 111.00; Walkerton Horticultural, 96.00	800 00

## AGRICULTURE.—Continued.

## GRANTS TO DISTRICT SOCIETIES. —Continued.

Cardwell District, 450.00; Albion and Bolton, 140.00; Caledon, 140.00; Tecumseh, 70.00	800 00
Carleton District, 472.00; Fitzroy, 126.00; Huntley, 126.00; March, 76.00	800 00
Cornwall District	350 00
Dufferin District, 396.00; Luther East, 140.00; Melancthon, 138.00;	
Orangeville Horticultural, 126.00	800 00
Dundas District, 380.00; Matilda, 140.00; Mountain, 140.00; Winchester, 140.00	800 00
Durham East District, 380.00; Cavan, 127.00; Hope, 134.00; Millbrook Hort'l, 69.00;	
Port Hope Horticultural, 90.00	800 00
Durham West District, 380.00; Cartwright, 112.00; Clarke, 112.00; Darlington, 111.00;	
Bowmanville Horticultural, 85.00	800 00
Elgin East District, 380.00; Bayham, 71.00; Dorchester South, 67.00; Malihide, 72.00;	
Yarmouth, 71.00; Aylmer Horticultural, 72.00; Springfield Horticultural, 67.00	800 00
Elgin West District, 520.00; Aldborough, 140.00; Southwold, 140.00	800 00
Essex North District, 380.00; Maidstone and Sandwich, E., 105.00; Tilbury N. & W., 105.00;	
Rochester and Maidstone, 105.00; Windsor, Sandwich and Walkerville Hort'l, 105.00;	800 00
Essex South District, 380.00; Anderdon and Malden, 95.00; Colchester N., 95.00;	
Colchester South, 96.00; Mersea, 93.00; Leamington Horticultural, 37.00	800 00
Frontenac District, 390.00; Kingston Tp., 117.00; Loughboro and Portland, 79.00;	
Storrington, 74.00; Wolfe Island, 140.00	800 00
Glengarry District, 427.00; Charlottenburg, 140.00; Kenyon, 140.00; Lancaster, 93.00	800 00
Grenville South District, 520.00; Edwardshurg, 140.00; Cardinal Horticultural, 140.00	800 00
Grey East District, 380.00; Artemesia, 70.00; Collingwood, 63.00; Euphrasia, 70.00;	
Holland, 58.00; Osprey, 70.00; Proton, 58.00; Thornbury Horticultural, 31.00	800 00
Grey North District, 380.00; Derby, 91.00; Keppell, 74.00; St. Vincent, 36.00;	
Sullivan, 90.00; Sydenham, 91.00; Owen Sound Horticultural, 38.00	800 00
Grey South District, 380.00; Bentinck, 91.00; Egremont, 78.00; Glenelg, 94.00;	
Normandy, 98.00; Durham Horticultural, 59.00	800 00
Haldimand District, 380.00; Rainham and S. Cayuga, 98.00; Seneca and Oneida, 108.00;	
Walpole, 107.00; Cayuga Horticultural, 107.00	800 00
Halton District, 390.00; Esqueving, 95.00; Nassagaweya, 95.00; Trafalgar, 95.00;	
Nelson and Burlington, 83.00; Oakville Horticultural, 52.00	800 00
Hamilton District	350 00
Hastings Centre District, 439.00; Marmora, 140.00; Wollaston, 134.00;	
Sterling Horticultural, 87.00	800 00
Hastings East District, 437.00; Hungerford, 140.00; Tyendinaga, 127.00;	
Hastings North District, 300.00; Bangor, Wicklow, Monteagle and Herschel, 66.00;	
Dungannon and Faraday, 84.00	450 00
Hastings West District, 660.00; Belleville Horticultural, 140.00	800 00
Huron East District, 380.00; Grey, 131.00; Howick, 94.00; Morris, 130.00; Thornberry, 65.00	800 00
Huron South District, 380.00; Hay, 88.00; Stanley, 88.00; Tuckersmith, 89.00;	
Stephen and Osborne, 89.00; Seaforth Horticultural, 66.00	800 00
Huron West District, 380.00; Ashfield and Wawanosh, W., 106.00; Thornbury, 54.00;	
Clinton Horticultural, 64.00; Goderich Horticultural, 103.00	707 00
Kent East District, 380.00; Camden, 83.00; Harwich, 112.00; Howard, 112.00; Orford, 113.00	800 00
Kent West District, 396.00; Chatham, Dover and Wallaceburg, 125.00; Raleigh, 139.00;	
Romney, 140.00	800 00
Kingston District: Kingston Horticultural	140 00
Lambton East District, 380.00; Bosanquet, 82.00; Brooke and Alvinston, 82.00;	
Euphemia and Dawn, 32.00; Plympton and Wyoming, 82.00; Warwick, 82.00	740 00
Lambton West District, 380.00; Enniskillen and Petrolea, 115.00; Moore, 114.00;	
Sarnia Tp., 66.00; Sombra, 78.00; Euphemia and Dawn, 47.00	800 00
Lanark North District, 384.00; Dalhousie, 140.00; Lanark Tp., 106.00; Pakenham, 100.00;	
Lanark Horticultural, 70.00	800 00
Lanark South District, 380.00; Bathurst, 77.00; Drummond, 65.00; Sherbrooke S., 64.00;	
Perth Horticultural, 112.00; Smiths Falls Horticultural, 102.00	800 00
Leeds and Grenville North District, 430.00; Elmsley South, 90.00; Kitley, 140.00;	
Oxford, 140.00	800 00
Leeds South District, 414.00; Crosby North, 119.00; Lansdowne, 140.00;	
Rear of Leeds and Lansdowne, 127.00	800 00
Lennox District, 396.00; Amherst Island, 133.00; Ernestown, 131.00; Napanee Hort'l, 140.00	800 00
Lincoln District, 380.00; Clinton, 86.00; Grantham, 86.00; Grimsby North, 42.00;	
Grimsby South, 86.00; Louth, 51.00; Grimsby Horticultural, 38.00;	
St. Catharines Horticultural, 31.00	800 00
London District, 210.00; London Horticultural, 140.00	350 00

## AGRICULTURE.—Continued.

## GRANTS TO DISTRICT SOCIETIES.—Continued.

Manitoulin District, 383.00;	Assiginack, 140.00;	Billings, 71.00;	
Campbell and Providence Bay, 118.00;	Howland, 88.00		800 00
Middlesex East District, 380.00;	Dorchester, N., 123.00;	London Tp., 122.00;	
Nissouri West, 123.00;	Westminster, 52.00		800 00
Middlesex North District, 380.00;	Adelaide, 103.00;	Lobo, 102.00;	McGillivray, 54.00;
Williams East, 59.00;	Williams West, 102.00		800 00
Middlesex West District, 380.00;	Caradoc, 84.00;	Delaware, 84.00;	Metcalf, 84.00;
Ekfrid and Mosa, 84.00;	Strathroy Horticultural, 84.00		800 00
Monck District, 380.00;	Caistor, 96.00;	Canboro, 37.00;	Moulton, 96.00;
Wainfleet, 95.00			800 00
Muskoka North District, 450.00;	Cardwell and Humphry, 70.00;	Stisted, 140.00;	
Stephenson, 140.00			800 00
Muskoka South District, 380.00;	McLean, 51.00;	Medora and Wood, 109.00;	
Morrison, 124.00;	Muskoka and Gravenhurst, 136.00		800 00
Niagara Town and Township District			350 00
Nipissing East District, 520.00;	Bonfield, 140.00;	Ferris, 140.00	800 00
Nipissing West District, 550.00;	Widdifield, 250.00		800 00
Norfolk North District, 380.00;	Middleton, 119.00;	Townsend, 118.00;	
Windham, 118.00;	Simcoe Horticultural, 65.00		800 00
Norfolk South District, 380.00;	Charlottetown, 120.00;	Houghton, 120.00;	
Walsingham North, 120.00;	Port Dover Horticultural, 60.00		800 00
Northumberland East District, 380.00;	Brighton, 95.00;	Cramahe, 95.00;	
Murray, 78.00;	Percy, 57.00;	Seymour, 95.00	800 00
Northumberland West District, 520.00;	Alnwick, 140.00;	Cobourg Horticultural, 140.00	800 00
Ontario North District, 380.00;	Brock, 74.00;	Mara, 74.00;	Scott, 52.00;
Thorah, 73.00;	Uxbridge, 72.00		800 00
Ontario South District			800 00
Ottawa District			350 00
Oxford North District, 380.00;	Blandford, 33.00;	Blenheim, 91.00;	Nissouri East, 72.00;
Zorra East, 75.00;	Zorra West and Embro, 91.00;	Woodstock Horticultural, 58.00	800 00
Oxford South District, 380.00;	Dereham, 78.00;	Norwich North, 78.00;	Norwich S., 78.00;
Oxford E. Tp., 51.00;	Oxford N., W. and Ingersoll, 78.00;	Tilsonburg Hort'l, 57.00	800 00
Parry Sound East District, 380.00;	Chapman, 88.00;	McMurrich, 72.00;	Machar, 82.00;
Perry, 102.00;	Strong, 76.00		800 00
Parry Sound North District			350 00
Parry Sound West District, 476.00;	Hagerman, Croft, Mackenzie and Ferrie, 122.00;		
Humphrey and Cardwell, 62.00;	McKellar, 140.00		800 00
Peel District, 389.00;	Toronto Tp., 140.00;	Toronto Gore, 140.00;	
Brampton Horticultural, 131.00			800 00
Perth North District, 380.00;	Easthope N., 44.00;	Elma, 94.00;	Mornington, 94.00;
Listowel and S. Wallace, 94.00;	Stratford Horticultural, 94.00		800 00
Perth South District, 380.00;	Blanshard, 104.00;	Easthope S., 85.00;	
Fullerton and Logan, 104.00;	Hibbert, 66.00;	Mitchell Horticultural, 61.00	800 00
Peterboro East District, 380.00;	Burlington Horticultural, 47.00;	Galway, 119.00;	
Douro and Dummer, 117.00;	Otonabee, 95.00;	Peterboro & Ashburnham Hort'l, 44.00	802 00
Peterboro West District, 380.00;	Harvey, 107.00;	Monaghan S., 116.00;	
Smith, Ennismore et. al., 139.00;	Peterboro and Ashburnham Horticultural, 58.00		800 00
Prescott District, 520.00;	Alfred, 140.00;	Plantagenet S., 140.00	800 00
Prince Edward District, 380.00;	Ameliasburg, 118.00;	Sophiasburg, 127.00;	
Hillier and Hollowell, 106.00;	Pictou Horticultural, 69.00		800 00
Renfrew N. District, 590.00;	Grattan & Wilberforce, 70.00;	Ross & Broomley, 140.00	800 00
Renfrew South District, 456.00;	Grattan & Wilberforce, 64.00;	Radcliffe & Raglan, 140.00;	
Renfrew Horticultural, 140.00			800 00
Russell District, 386.00;	Cambridge, 101.00;	Clarence, 104.00;	Osgoode, 69.00;
Russell Tp., 140.00			800 00
Simcoe East District, 380.00;	Matchedash, 102.00;	Oro, 100.00;	Tiny and Tay, 102.00;
Midland Horticultural, 60.00;	Orillia Horticultural, 56.00		800 00
Simcoe South District, 386.00;	Essa, 65.00;	Gwillimbury W., and Bradford, 140.00;	
Innisfil, 69.00;	Toronto, 140.00		800 00
Simcoe West District, 380.00;	Flos, 63.00;	Nottawasaga, 72.00;	Vespra, 72.00;
Sunnidale, 70.00;	Barrie Horticultural, 72.00;	Collingwood Horticultural, 71.00	800 00
Stormont District, 396.00;	Finch, 140.00;	Osnabrock, 140.00;	Roxborough, 124.00
Sudbury District			250 00
Temiscamingue District			380 00



## AGRICULTURE.—Continued.

## GRANTS TO DISTRICTS.—Concluded.

Toronto District, 410.00;	Toronto Horticultural, 140.00	550 00
Victoria North District, 380.00;	Eldon, 126.00; Fenelon, 125.00; Laxton, 79.00;	
Somerville, 90.00		800 00
Victoria South District, 380.00;	Emily, 93.00; Mariposa, 108.00; Ops, 71.00;	
Verulam, 81.00;	Lindsay Horticultural, 67.00	800 00
Waterloo North District, 380.00;	Wellesley, 125.00; Woolwich, 125.00;	
Elmira Horticultural, 46.00;	Waterloo Horticultural, 124.00	800 00
Waterloo South District, 380.00;	Wilmot, 132.00; Galt Horticultural, 123.00;	
Hespeler Horticultural, 70.00;	Preston Horticultural, 95.00	800 00
Welland District, 380.00;	Bertie, 135.00; Stamford, 128.00; Thorold Town and Tp., 93.00;	
Niagara Falls S. Horticultural, 64.00		800 00
Wellington Centre District, 380.00;	Erin, 108.00; Garafraxa W., 81.00; Nichol, 93.00;	
Pilkington, 47.00; Elora and Salem Horticultural, 48.00; Fergus Horticultural, 43.00		800 00
Wellington South District, 380.00; Eramosa, 109.00; Guelph Tp., 92.00; Puslinch, 110.00;	Guelph Horticultural, 109.00	800 00
Wellington West District, 380.00; Arthur, 78.00; Maryborough, 50.00; Minto, 58.00;	Palmerston and N. Wallace, 78.00; Peel and Drayton, 78.00; Clifford Hort'l., 78.00	800 00
Wentworth North District, 380.00;	Beverley, 140.00; Flamboro E., 140.00;	
Flamboro West, 140.00		800 00
Wentworth South District, 380.00;	Ancaster, 118.00; Binbrook, 118.00;	
Glanford, 118.00; Saltfleet, 66.00		800 00
York East District, 462.00; Markham, 120.00; Scarboro, 140.00; York & Weston, 78.00		800 00
York North District, 380.00; Georgina & N. Gwillimbury, 121.00; Gwillimbury E., 122.00;	King, 121.00; Newmarket Horticultural, 56.00	800 00
York West District, 458.00;	Etobicoke, 140.00; Vaughan, 140.00;	
York and Weston, 62.00		800 00
Special Grants:—		
Algoma East District: Johnston & Aberdeen, 20.00; Day, Wells & Bright add'l 17 00		37 00
Algoma West District: Emo, 140.00; McIrvine and Alberton, 140.00		280 00
Brant South District; Six Nation Indians		120 00
Haliburton District: Cardiff, 60.00; Dysart, <i>et al.</i> , 140.00; Glamorgan, 66.00;		
Minden <i>et al.</i> , 106.00		372 00
Middlesex West District: Chippewa Indians, 50.00; Muncey Indians, 50.00;		
Oneida Indians, 50.00		150 00
Nipissing West District: Caldwell		140 00
Victoria North District: Rama, Dalton and Ryde		50 00
Broadview Boys' Institute, Toronto		50 00

## GRANTS TO ASSOCIATIONS (\$30,333.85).

Dominion Cattle Breeders' Association	2,500 00
Dominion Sheep Breeders' do	2,500 00
Dominion Swine Breeders' do	2,500 00
Fruit Growers' Association	1,800 00
Ontario Experimental Union	1,500 00
Canadian Horse Breeders' Association	2,000 00
Eastern Ontario Poultry do	1,000 00
Western Ontario Poultry do	1,000 00
Eastern Ontario Dairymen's do	2,000 00
Western Ontario Dairymen's do	1,350 00
Entomological Society	1,000 00
Beekeeper's Association	500 00
Wm. McEvoy: Services at 4.00 per day as Inspector of Apiaries, 392.00;	
livery hire, etc., 231.25	623 25
F. A. Gemmill: Services assistant Inspector of Apiaries, 40.00; trav. exps., 20.60	60 60
Western Fair Association: Grant for Dairy Buildings	10,000 00

## FARMERS' INSTITUTES (\$17,190 34).

Treasurer Farmers' Institutes:—	
Addington, 25.00; Algoma, Centre, 25.00; Algoma E., 25.00; Amherst Island, 25.00;	
Brant N., 25.00; Brant S., 25.00; Brockville, 25.00; Bruce, Centre, 25.00;	
Bruce N., 25.00; Bruce S., 25.00; Bruce W., 25.00; Carleton, 25.00;	
Cornwall, 25.00; Dufferin, 25.00; Dundas, 25.00; Durham E., 25.00;	



AGRICULTURE.—Continued.

FARMERS' INSTITUTES.—Continued.

Durham W., 25.00;	Elgin E., 25.00;	Elgin W., 25.00;	Essex N., 25.00;
Essex S., 25.00;	Frontenac, 25.00;	Frontenac C., 25.00;	Glengarry, 25.00;
Grenville, 25.00;	Grey C., 25.00;	Grey N., 25.00;	Grey S., 23.00;
Haldimand, 25.00;	Halton, 25.00;	Hastings E., 25.00;	Hastings N., 25.00;
Hastings W., 25.00;	Huron E., 25.00;	Huron W., 25.00;	Huron S., 25.00;
Kent E., 25.00;	Kent W., 25.00;	Lambton E., 25.00;	Lambton W., 25.00;
Lanark N., 25.00;	Lanark S., 25.00;	Leeds and Grenville, 25.00;	Leeds S., 25.00;
Lernox, 25.00;	Lincoln, 25.00;	Manitoulin E., 25.00;	Manitoulin W., 25.00;
Middlesex E., 25.00;	Middlesex N., 25.00;	Middlesex W., 25.00;	Monck, 25.00;
Muskoka C., 25.00;	Muskoka N., 25.00;	Muskoka S., 25.00;	Nipissing W., 25.00;
Norfolk N., 25.00;	Norfolk S., 25.00;	Northumberland E., 25.00;	Northumberland W., 25.00;
Ontario N., 25.00;	Ontario S., 25.00;	Oxford N., 25.00;	Oxford S., 25.00;
Parry Sound E., 25.00;	Parry Sound W., 25.00;	Peel, 25.00;	Perth N., 25.00;
Perth S., 25.00;	Peterborough E., 25.00;	Peterborough W., 25.00;	Prescott, 25.00;
Prince Edward, 25.00;	Renfrew N., 25.00;	Renfrew S., 25.00;	Russell, 25.00;
Simcoe C., 25.00;	Simcoe E., 25.00;	Simcoe S., 25.00;	Simcoe W., 25.00;
Stormont, 25.00;	St. Joseph Isl., 25.00;	Victoria E., 25.00;	Victoria W., 25.00;
Waterloo N., 25.00;	Waterloo S., 25.00;	Welland, 25.00;	Wellington C., 25.00;
Wellington E., 25.00;	Wellington S., 25.00;	Wellington W., 25.00;	Wentworth N., 25.00;
Wentworth S., 25.00;	York E., 25.00;	York S., 25.00;	Union, 25.00
2,400 00			
Treasurer Women's Institutes:—			
Amherst Island, 10.00;	Brant N., 10.00;	Brant S., 10.00;	Bruce Centre, 10.00;
Bruce S., 10.00;	Bruce W., 10.00;	Carleton, 10.00;	Dufferin, 10.00;
Durham E., 10.00;	Durham W., 10.00;	Elgin E., 10.00;	Grey C., 10.00;
Grey N., 10.00;	Grey S., 10.00;	Haldimand, 10.00;	Halton, 10.00;
Hastings E., 10.00;	Hastings N., 10.00;	Hastings W., 10.00;	Huron E., 10.00;
Huron S., 10.00;	Huron W., 10.00;	Kent W., 10.00;	Lennox, 10.00;
Lincoln, 10.00;	Middlesex N., 10.00;	Middlesex W., 10.00;	Monck, 10.00;
Muskoka S., 10.00;	Northumberland E., 10.00;	Northumberland W., 10.00;	
Norfolk N., 10.00;	Ontario N., 10.00;	Oxford S., 10.00;	Peel, 10.00;
Perth N., 10.00;	Perth S., 10.00;	Peterboro E., 10.00;	Peterboro W., 10.00;
Renfrew N., 10.00;	Simcoe C., 10.00;	Simcoe S., 10.00;	Simcoe W., 10.00;
Union, 10.00;	Victoria E., 10.00;	Victoria W., 10.00;	Waterloo, 10.00;
Welland, 10.00;	Wellington C., 10.00;	Wellington S., 10.00;	Wellington W., 10.00;
Wentworth N., 10.00;	Wentworth S., 10.00;	York E., 10.00;	York W., 10.00
560 00			
G. C. Creelman: One months salary as Superintendent			
125 00			
G. A. Putnam: Ten do do			
1,250 00			
P. W. Hodgetts: Twelve do Accountant			
600 00			
Services, typewriting, etc.—M. M. Brough, 533.36;	A. M. Fox, 428.70;		
B. W. Elliot, 138.68;	A. Kernahan, 25.00;		Stanley Malone, 22.00;
S. G. Mills, 12.50			
1,160 24			
J. Dorman: Services as office boy, 135.02;	J. Robertson: Services, 6.00		
141 02			
Services, lecturing at 3.00 per day:—			
Mrs. A. Kinney, 87.00;	Mrs. C. Campbell, 114.00;	Bella Miller, 261.00;	
Agnes Smith, 158.00;	Blanche Maddock, 171.00;	Mrs. D. D. McTavish, 102.00;	
James Sheppard, 165.00;	R. H. Field, 39.00;	G. R. Cottrelle, 96.00;	
J. H. Smith, 153.00;	T. H. Mason, 180.00;	T. G. Raynor, 81.00;	
H. G. Reed, 171.00;	W. F. Kydd, 229.50;	H. Jones, 15.00;	A. J. Reynolds, 21.00;
D. Anderson, 159.00;	C. W. Nash, 162.00;	J. E. Orr, 66.00;	T. H. Race, 114.00;
W. C. Shearer, 174.00;	W. S. Fraser, 207.00;	Erland Lee, 84.00;	L. E. Annis, 189.00;
J. W. Clark, 153.00;	F. A. Sheppard, 120.00;	Laura Rose, 93.00;	
W. Elliott, 141.00;	A. E. Sherrington, 150.00;	A. Elliott, 54.00;	R. Thompson, 150.00;
H. Glendinning, 171.00;	G. C. Caston, 156.00;	Elmer Lick, 54.00;	
R. S. Stevenson, 117.00;	G. H. Hutton, 90.00;	F. C. Elford, 126.00;	
Mrs. E. Torrance, 63.00;	A. Gifford, 15.00;	J. Gardhouse, 27.00;	
W. F. Stephen, 48.00;	D. Drummond, 42.00;	D. Z. Gibson, 39.00;	E. C. Drury, 36.00
Emma McBeth, 24.00;	Belva Sheppard, 66.00		
5,113 50			
Services, lecturing at 2.50 per day:—			
C. E. Shearer, 97.50;	J. G. Foster, 30.00;	R. C. Fowler, 70.00;	A. J. Wagg, 100.00;
W. E. A. Peer, 87.50;	R. F. Holterman, 30.00;	E. C. Drury, 85.00;	L. D. Gray, 77.50;
G. Carlaw, 95.00;	J. Martin, 17.50;	Gertrude Gray, 50.00;	Jessie Evans, 37.50;
B. Duncan, 47.50;	Jessie Hills, 52.50;	Isabel Rife, 60.00;	T. G. Raynor, 5.00;
L. Shuttleworth, 50.00;	Mrs. A. E. Dunbreak, 42.50;	Mary Bell, 62.50;	
Gertrude Carter, 55.00;	Ethel McLeod, 30.00;	Amy Fuller, 57.50	
1,240 00			

## AGRICULTURE.—Continued.

## FARMERS' INSTITUTES.—Continued.

Dr. A. W. Bell: Services at 4.00 per day.....	4 00
Jean Joy do lecturing at 3.33 per day .....	73 33
Travelling Expenses:—	
T. H. Race, 100.00; W. S. Fraser, 194.10; J. E. Orr, 121.46; J. W. Clark, 191.15;	
H. G. Reed, 252.10; Jas. Sheppard, 200.00; W. Elliott, 163.90;	
A. E. Sherrington, 213.40; G. C. Caston, 211.35; R. S. Stevenson, 158.15;	
D. Anderson, 224.05; T. H. Mason, 264.50; W. F. Kydd, 361.59; G. H. Hutton, 142.55;	
Bella Miller, 218.85; F. A. Sheppard, 106.05; R. Thompson, 80.20;	
H. Glendinning, 182.65; A. J. Reynolds, 33.60; Mrs. A. Kinney, 119.75;	
Mrs. D. D. McTavish, 128.90; Mrs. E. Cummings, 1.75; Agnes Smith, 137.11;	
L. Gray, 124.37; Lillian Beam, 4.50; M. M. Brough, 48.25; B. Sheppard, 114.80;	
Jessie Hills, 10.55; W. E. A. Peer, 14.65; G. R. Cottrelle, 22.35; G. Carlow, 26.55;	
Elmer Lick, 10.95; F. C. Elford, 7.80; C. E. Shearer, 30.22; A. J. Wagg, 12.25;	
W. C. Shearer, 7.60; E. C. Drury, 11.60; R. C. Fowler, 12.55; Erland Lee, 5.20;	
L. C. Annis, 28.11; R. H. Field, 95.80; J. G. Foster, 40.00; J. C. Cote, 19.85;	
C. W. Nash, 32.00; Laura Rose, 100.00; Mrs. C. Campbell, 105.00;	
Mrs. E. M. Torrance, 110.00; Jean Joy, 90.00; Blanche Maddock, 170.05;	
G. A. Putnam, 191.98; J. Martin, 6.85; R. F. Holterman, 16.25; H. S. Peart, 5.85;	
H. H. Dean, 4.90; R. Harcourt, 5.35; J. B. Reynolds, 4.40; A. Gifford, 10.00;	
A. E. Annis, 125.00; C. A. Zavitz, 1.35; D. Drummond, 107.00; T. G. Raynor, 36.10;	
L. Shuttleworth, 2.50; G. Barbour, 5.05; H. C. Emerson, 9.00;	
J. G. Gardhouse, 4.80; J. L. Hilbourn, 9.10; A. Hume, 9.90; D. James, 10.60;	
T. McMillan, 8.85; J. S. Pearce, 6.75; S. Rennie, 4.70; W. F. Stephen, 14.65;	
D. M. Wilson, 19.00; J. L. Warren, 3.55; A. C. Hallman, 9.25;	
P. W. Hodgetts, 1.75; M. De Laporte, 3.90; Mrs. J. S. McTavish, 6.55;	
Mrs. R. D. Laws, 76.64; Gertrude Gray, 4.85; Mrs. G. Fitzgerald, 3.50;	
Isabel Rife, 3.15 .....	5,795 23
Warwick Bros. & Rutter: Printing & binding, 470.60; Marmora Herald: Ptg., 1.75	472 35
L. K. Cameron: Paper, 15.24; staty., 171.21; W. McMaster: Postage stamps, 60.00	246 45
Postmaster: Unpaid postage, 6.33; Mrs. Hubertus: Postage stamps, 280.00 .....	286 33
Mrs. E. Cummings: 114 copies year book, 28.50; <i>Weekly Sun</i> : Copies of paper, 15.35	43 85
<i>National Monthly</i> : Copies, .50; Gazette Pub. Co.: 200 copies export trade, 20.00 .....	20 50
W. Briggs: Books, 4.15; Bryant Press: Badges, 13.75; copies circulars feed & feeding,	
12.00 .....	29 90
C. Gripton: Stamps and repairs, 4.20; United Typewriter Co.: Supplies, 41.05 .....	45 25
Canadian Typewriter Co.: Supplies, 135.43; R. E. Walker: Cotton for charts, 4.70	140 13
Elliott & Co.: Wood alcohol, 2.95; B. Cairns: Wood engravings, 3.00 .....	5 95
Photos: E. Poole, 15.50; Fraser & Sibley, 2.50; Galbraith Photo Co., 2.00;	
G. W. Dick, 4.00; T. C. Barber, .60; J. E. Orr, 3.00 .....	27 60
Dominion Express Co.: Charges, 15.10; Canadian Express Co.: Charges, 25.25 .....	40 35
Wright Cartage Co.: Cartage, 11.25; Grand Trunk Ry.: Freight charges, 1.37 .....	12 62
C. P. R. Telegraph Co.: Telegrams, 19.10; G. N. W. Telegraph Co.: Telegrams, 32.66	51 76
Bell Telephone Co.: Messages, 40.30; Toronto Ry. Co.: Car tickets, 5.26 .....	45 56
Doane Bros.: Livery hire, 13.00; L. McCready: Services re report, 7.50 .....	20 50
Articles for report: Robt. Harcourt, 5.00; W. Hunt, 5.00; E. J. Zavitz, 5.00;	
J. B. Reynolds, 5.00; F. C. Harrison, 10.00 .....	30 00
Cooking utensils: T. Eaton Co., 31.96; Joss & Co., .60; Lyman Bros., .99;	
Vokes Hardware Co., .64; R. Simpson Co., 6.87 .....	41 05
East & Co.: Cases for kits .....	25 50
Subscriptions: <i>Home Science</i> , 1.00; .....	
<i>Farmers' Advocate</i> , 1.50; <i>Rural New Yorker</i> , 1.00; <i>Country Gentleman</i> , 3.00 .....	9 50
<i>Poultry Review</i> : Copies for officers, 49.38; National Council Women: Fees, 2.00 .....	51 38
American Assn. Farmers Inst.: Dues, 5.00; James Dorman: Petty office exps., 1.42	6 42
Lewis Pearce & Son: Livery hire organizing institutes .....	17 00
Fruit, Flower and Honey Show:—	
L. Shuttleworth: Services as demonstrator, 18.00; Agnes Smith, 24.00;	
Blanche Maddock, 18.00; W. H. Dempsey, fruit, 5.00; T. Manton: Cut flowers, 1.00;	
W. J. Sykes: Supplies, 1.90; T. Eaton Co.: Supplies, 2.13;	
City Dairy Co.: Supplies, .88; Geo. Baxter: Supplies, 3.00;	
Mrs. Harrison: Washing dishes, 5.00; T. G. Raynor: Trav. expenses, 10.60 ..	89 51
Industrial Exhibition:—	
Alexander & Son: Signs, etc., 19.45; D. Pike Co.: Rent of tent, chairs, etc., 35.00;	
James Robertson: Arranging tents, 3.00; T. McGillicuddy: Reporting conv'n, 15.50;	

AGRICULTURE.—Continued.

FARMERS' INSTITUTES.—Concluded.

Stanley Malone: Disbursements, 1.35; T. G. Raynor: Trav. exps., etc., 5.85;	
P. W. Hodgetts: Expenses and disbursements, 1.50; J. Dorman:	
Expenses and disbursements, 2.55 .. . . .	84 20
	20,305 99
Less refunded by Institutes re supplementary meetings 1903-4 .. . . .	3,115 65
	17,190 34

INCIDENTALS (\$58,752.33)

H. Wade: Twelve months' salary as Registrar of Live Stock .. . . .	1,500 00
Warwick Bros. & Rutter: Printing and binding reports:—	
Bulletins, envelopes, etc., 1,556.45; Fruit Growers, 1,200.00; Bureau Industries, 292.00;	
Farmers' Institutes, 901.80; Pioneer Farm, 3.48; Agriculture, 524.70;	
Nature Study, 68.79; Entomological, 80.40; Agricultural College, 938.50;	
Dairy Instruction, 4.50; Fairs, 39.30; Experimental Union, 42.65;	
Dairymen's Association, 883.80; Beekeeper's Association, 30.70 .. . . .	6,567 07
Riordon Paper Mills: Paper for reports .. . . .	4,641 22
Firstbrook Box Co.: Packing cases, 20.50; Davis & Henderson: Boxes, 14.00 .. . . .	34 50
Rolph, Smith & Co.: Embossing .. . . .	6 25
University of Toronto Alumni Association: 100 copies March issue .. . . .	12 50
L. K. Cameron: Stationery, 1,265.94; paper, 71.69 .. . . .	1,337 63
Postage stamps: W. McMaster, 310.00; Mrs. Hubertus, 275.00 .. . . .	585 00
Engravings, half tones, etc., for reports: Thomson Engraving Co., 24.21;	
Toronto Engraving Co.: 42.46 .. . . .	66 67
Services mailing reports and bulletins at 2.00 per day:—	
W. C. Henderson, 120.00; J. O. Reid, 176.00; F. M. Brown, 60.00; T. A. Gormley, 58.00;	
M. H. Cameron, 32.00; H. H. Ledrew, 22.00; G. J. Goodwin, 108.00 .. . . .	576 00
F. Rightmeyer: Addressing envelopes .. . . .	170 77
Elliott & Co.: Cabinet, trays, frames, etc., 220.24; C. W. Irwin: Duty & brokerage, 63.25	283 49
T. Lynch: Paste .. . . .	5 75
Dairy Instruction: Services as Instructor:—	
Allan McDonald, 700.00; T. B. Code, 700.00; I. Villeneuve, 700.00; R. Rothwell, 700.00;	
C. W. Norval, 700.00; D. M. Wilson, 700.00; A. H. Wilson, 700.00; F. Singleton, 700.00;	
Jno. Echlin, 650.0; W. J. Ragsdale, 700.00; S. S. Cheetham, 700.00;	
R. Elliott, 700.00; J. Buro, 700.00; Peter Nolan, 700.00; Robt. Ireland, 600.00;	
Geo. Robinson, 700.00; Geo. Bensley, 700.00; Hugh Howie, 700.00;	
C. A. Publow, 700.00; H. Morton, 700.00; R. T. Gray, 700.00; J. B. Lowery, 700.00;	
R. W. Ward, 700.00; W. J. Hall, 700.00; Jas. Irwin, 700.00; Jno. H. Scott, 800.00;	
F. Herna, 800.00; J. R. Burgess, 800.00; W. G. Medd, 800.00; H. Pannell, 525.00;	
bonus, 166.67; Alex. McKay, 800.00; C. W. McDougall, 600.00; F. Dean, 204.00;	
J. C. Bell, 400.00 .. . . .	23,341 67
Geo. H. Barr: Eight months' salary as Chief Instructor .. . . .	1,000 00
G. G. Publow: Seven and one-half do do .. . . .	937 50
Jessie Gordon: Six and one-half do Secretary .. . . .	130 00
S. P. Brown: Special services Inspector at 6.00 per visit .. . . .	149 95
Travelling expenses and disbursements: G. G. Publow, 347.20; G. H. Barr, 262.90;	
J. C. Bell, 187.54; C. W. McDougall, 180.90; F. Dean, 81.00; J. W. Mitchell, 88.45	1,147 99
C. P. Railway Co.: Freight charges, 3.40; Can. Express Co.: Exp. charges, 25 .. . . .	3 65
F. Nunan: Report books, 73.10; Bryant Press: Report cards, 12.50 .. . . .	85 60
Montreal Herald: Printing instruction cards in French .. . . .	10 00
Photos of cheese factories: J. Buro, 2.00; A. B. Munro, 4.00; R. W. Ward, 4.75;	
Hugh Howey, 3.00 .. . . .	13 75
Agricultural Fairs:—	
H. B. Cowan: Ten months' salary as Superintendent .. . . .	833 33
Services as typewriter: B. W. Elliott, 290.02; Cora Morse, 194.00 .. . . .	484 02
J. Dorman: Services office boy, 148.01; J. Robertson: Services, 6.00 .. . . .	154 01
J. A. Hand: Services, 40.00; trav. expenses, 7.55 .. . . .	47 55
W. H. King: do 28.00; do 10 00 .. . . .	38 00
W. E. Bradwin: do 28.00; W. B. Varley: Reporting convention & meet'g.	
35.00 .. . . .	63 00



## AGRICULTURE.—Continued.

## INCIDENTALS.—Continued.

## Services as Expert Judges:—

J. W. Douglas, 6.00;	Lillian Gray, 21.00;	J. Rettie, 66.00;	A. B. Douglas, 9.00;
Jas. Henderson, 30.00;	W. J. Bell, 9.00;	E. Standish, 87.00;	S. Rennie, 9.00;
T. R. Reed, 48.00;	J. M. McCallum, 51.00;	N. A. Milne, 51.00;	Jessie Hill's, 3.00;
D. McKay, 66.00;	G. P. Everett, 78.00;	Mrs. C. Campbell, 39.00;	H. Wright, 15.00;
J. E. Brethour, 33.00;	A. C. Hallman, 99.00;	J. Moffatt, 4.50;	Peter Christie, 144.00;
W. G. Laidlaw, 48.00;	A. W. Smith, 63.00;	J. A. Cockburn, 27.00;	R. H. Harding, 51.00;
M. Cumming, 19.50;	A. W. Bell, 18.00;	J. Massie, 24.00;	G. H. Hutton, 51.00;
G. E. Day, 3.00;	Geo. Gray, 51.00;	J. E. Douglas, 64.50;	H. G. Reed, 24.00;
D. G. Hanmer, 15.00;	E. McClurg, 4.50;	W. S. Fraser, 6.00;	H. N. Gibson, 3.00;
Jas. Cromarty, 51.00;	G. B. Hood, 87.00;	Geo. Pollard, 45.00;	
G. S. Burkholder, 80.00;	G. Thompson, 60.00;	J. B. Leslie, 10.00;	
Rev. S. T. Bartlett, 27.00;	G. H. Williams, 27.00;	R. J. Gravely, 48.00;	
J. Ramsay, 48.00;	E. Jeffs, 63.00;	W. F. Kydd, 63.00;	W. R. Elliott, 78.00;
E. Parkinson, 51.00;	A. S. Elliott, 18.00;	Robt. Armstrong, 12.00;	
R. E. McInstrey, 3.00;	J. Donaldson, 18.00;	P. Cochrane, 18.00;	
Mrs. E. M. Torrance, 21.00;	J. L. Wilson, 6.00;	Wm. Dogherty, 3.00;	
R. H. Williams, 30.00;	Jas. Forsythe, 48.00;	W. McNeil, 6.00;	W. St. John, 45.00;
Jno. Campbell, 27.00;	R. McDonell, 39.00;	James Snell, 72.00;	A. Whitelaw, 54.00;
T. Robson, 9.00;	E. W. Charlton, 12.00;	O. V. Jarvis, 77.50;	T. W. Learie, 2.50;
J. L. Tolton, 42.00;	D. C. Trew, 12.00;	M. Stonehouse, 72.00;	R. S. Stevenson, 57.00;
N. Cosh, 39.00;	A. S. Gardhouse, 18.00;	W. J. Gardhouse, 18.00;	S. N. Culver, 54.00;
J. Gardhouse, 60.00;	T. H. Mason, 72.00;	G. L. Bunnelle, 32.50;	A. S. Chisholm, 6.00;
W. Elliott, 12.00;	T. H. Scott, 18.00;	Blanche Maddock, 12.00;	R. D. Dundas, 57.00;
Alex. McLean, 57.00;	R. S. Brooks, 48.00;	W. Wright, 18.00;	J. H. McDonald, V.S., 5.00;
Dom. Commissioner, Agriculture, 20.00;	G. Whitelaw, 39.00;	Jno. Young, 24.00;	
Jno. Jackson, 48.00;	W. Jones, 6.00;	J. Rawlings, 12.00;	D. D. Gray, 66.00;
T. C. Barber, 84.00;	Agnes Smith, 36.00;	A. F. McKenzie, 75.00	3,719 50

## Expenses as Expert Judges, etc:—

T. W. Douglas, 4.45;	Lillian Gray, 21.45;	J. Rettie, 14.20;	A. B. Douglas, 9.60;
Jas. Henderson, 33.20;	W. J. Bell, 4.55;	S. Rennie, 12.05;	T. R. Reed, 11.25;
J. M. McCallum, 13.25;	Jessie Hills, 9.00;	D. McKay, 94.99;	Mrs. C. Campbell, 34.60;
A. C. Hallman, 10.10;	J. Moffatt, 4.35;	P. Christie, 109.45;	W. G. Laidlaw, 15.05;
M. Cumming, 17.15;	A. W. Bell, 5.50;	J. Massie, 31.75;	W. R. Graham, 4.35;
J. Buchanan, 10.55;	C. A. Zavitz, 4.45;	G. E. Day, 6.95;	W. J. Squirrel, 33.54;
H. B. Cowan, 301.16;	Geo. Gray, 160.50;	J. E. Douglas, 128.45;	H. G. Reed, 34.90;
D. G. Hanmer, 14.55;	T. W. Learie, 7.35;	E. McClurg, 5.25;	H. N. Gibson, 9.90;
Jas. Cromarty, 59.40;	G. B. Hood, 400.00;	Geo. Pollard, 75.00;	G. S. Burkholder, 94.55;
G. Thompson, 225.00;	J. B. Leslie, 10.30;	Rev. S. T. Bartlett, 50.00;	
G. H. Williams, 50.00;	R. J. Gravely, 75.00;	J. Ramsay, 60.00;	E. Jeffs, 165.00;
W. F. Kydd, 140.95;	W. R. Elliott, 206.15;	E. Parkinson, 83.25;	
Robt. Armstrong, 9.85;	R. E. McInstrey, 2.60;	J. Donaldson, 16.60;	
P. Cochrane, 15.70;	Mrs. E. M. Torrance, 15.50;	J. L. Wilson, 9.00;	
W. Dogherty, 2.00;	R. H. Williams, 60.50;	Jas. Forsythe, 11.75;	
W. McNeill, 3.10;	W. St. John, 43.52;	Jno. Campbell, 43.45;	R. McDonell, 16.25;
A. Whitelaw, 11.90;	T. Robson, 5.90;	E. W. Charlton, 9.35;	O. V. Jarvis, 80.30;
D. C. Trew, 9.25;	M. Stonehouse, 67.90;	R. S. Stevenson, 12.90;	N. Cosh, 8.20;
W. J. Gardhouse, 12.20;	S. N. Culver, 25.80;	J. Gardhouse, 153.00;	
T. H. Mason, 265.60;	G. L. Bunnelle, 51.95;	A. S. Chisholm, 13.95;	
W. Elliott, 25.60;	T. H. Scott, 20.55;	Blanche Maddock, 7.85;	R. D. Dundas, 15.30;
Alex. McLean, 150.25;	R. B. Faith, 25.00;	R. S. Brooks, 130.60;	W. Wright, 21.05;
G. Whitelaw, 15.00;	W. Jones, 3.40;	J. Rawlings, 10.95;	T. C. Barber, 120.30;
Agnes Smith, 46.85			4,443 16
A. F. McKenzie: Trav. expenses and photo supplies			149 76
Bryant Press: Index forms, programs, etc., 26.25;	Can. Typewriter Co.: Supp. 19.13		45 38
United Typewriter Co.: Typewriters (2), 230.00;	supplies, 74.25		304 25
F. W. Hodson: Stereotypical for illustrating address			83 00
L. Brooker: Expenses and disbursements of troopers at Fairs			156 80
T. Leblond: do do			181 30
J. R. Routh: do Dragoons			355 60
Experimental Plots:—			
G. Stericker: Cultivating, sowing, etc.			37 50
N. McConnell: Cartoons for report, 15.00;	G. L. Bunnelle: Photo supplies, 56.20		71 20
Photos: J. M. Selley, 20.00;	W. Anderson, 7.00;	W. W. Burgess, 2.00;	T. A. Adams, 3.00
			32 00



## AGRICULTURE.—Continued.

## INCIDENTALS.—Continued.

Mrs. Hubertus: Postage stamps, 250.00; Bell Tel. Co.: Messages, 4.35	254 35
L. K. Cameron: Stationery, 43.10; paper, .70	43 80
C. P. R. Tel. Co.: Telegrams, 10.15; G. N. W. Tel. Co.: Telegrams, .50	10 65
H. B. Cowan: Petty office expenses	1 05
Mustard Spraying:—	
W. R. Dewar: Services, 50.00; trav. expenses, 104.64	154 64
F. W. Broderick: do 82.50; do 161.20	243 70
P. W. Hodgetts: Trav. expenses re spraying methods	11 05
Bryant Press: Posters, 18.00; Spramotor Co.: Spramotors, etc., 17.49	35 48
W. Lochhead: Trav. expenses inspecting gardens and orchards re insects, etc.	2 85
do do black rot in grape vines	35 20
W. Brodie: do orchards re codling moths	8 90
F. W. Ratcliffe: Allowance for destroying Barberry hedge	10 00
R. A. Burriss: Grant to Port Arthur and Fort William Agricultural Exhibition	1,800 00
Eastern Fair, Ottawa:—	
W. B. Varley: Trav. expenses, 20.03; R. P. Fairbairn: Trav. expenses, 18.75	38 78
City Treasurer: Grant towards erection of building	6,000 00
Secy.-Treasurer: do fair	3,500 00
Winter Fair, Guelph:—	
W. A. Mahoney: Platform, etc., 83.00; Wm. Malloch & Co.: Elevator poultry bldg., 135.00	218 00
Jno. Young: Carpentering, 22.50; G. B. Morris: Hardware, 11.55	34 05
A. P. Westervelt: Prince of Wales Prize, swine department	50 00
Flax Growing:— A. L. McCredie: Services, 35.00; trav. expenses, 13.55	48 55
Live Stock Sale:—	
Secy.-Treas. Fat Stock Club: Contribution towards advertising	100 00
E. McMahon: Services as manager, Ottawa	100 00
Fruit, Flower and Honey Show:—	
W. G. Rook: Services at 2.50 per day	81 25
L. Woolverton: do 3.00 do 15.00; trav. expenses, 21.35	36 35
T. C. Barber: do 2.00 do 8.00; do 5.90	13 90
J. T. Murphy: do 3.50 do 21.00; do 13.90	34 90
A. R. Lorimer: Printing & staty., 1.25; S. Mann: Ptg. signs, etc., 8.35	9 60
W. H. Dempsey: Services, 6.00; fruit, 14.15; expenses, 7.20	27 35
G. C. Caston: do 2.00; do 6.70; do 4.65	13 35
A. E. Sherrington: do 2.00; do 11.70; do .35	12 05
H. Jones: do 6.60; A. W. Peart: Fruit, 9.60; expenses, 9.12	25 32
J. H. Dunlop: Evergreen decorations, 25.00; Police Dept.: Spec. service, 6.00	31 00
G. Maricano: Furnishing music, 5.00; Lily Kleiser Paine: Services at concert, 10.00	15 00
T. H. Dunlop: Grant towards payment of prizes, flowers	300 00
Secy.-Treas.: Fruit Assn., do do fruit	650 00
Secy.-Treas., Beekeepers' Assn.: do do honey	200 00
Poultry Exhibit, World's Fair, St. Louis:—	
J. H. Saunders: Services at 6.00 per day, 102.00; trav. expenses, 15.00	117 00
Hon. Jno. Dryden: Trav. expenses to England re dead meat trade	400 00
	68,425 34
Less refunded by Agri'l Societies for Expert Judges services & exps. 3,188.42	
do Dairymen's Assns. for Special Dairy Instruction 6,544.59	
	9,733 01
	\$58,752 33

## SUGAR BEET INDUSTRY (\$71,715.99).

Ontario Sugar Co.: Bounty on 7,059,695 lbs. Manufactured 1 Edward VII., Cap. 2	35,298 47
Dresden Sugar Co.: do 2,094,999 do	10,474 93
Wallaceburg Sugar Co.: do 4,230,422 do	21,152 11
Warton Beet Sugar Co.: On acct bounty do	4,790 42

## SAN JOSE SCALE (\$3,690.86).

P. W. Hodgetts: Twelve months' salary as Inspector	400 00
J. F. Smith: Services as Assistant Inspector at 3.00 per day	556 50
G. R. Cottrelle do do 3.00 do	90 00

## AGRICULTURE.—Continued.

## SAN JOSE SCALE.—Concluded.

Jos. Healey: Services as Assistant Inspector at 2.50.. per day .. . . . .	156 25
F. W. Broderick: do do 2.50 do .. . . . .	17 50
R. Thompson: do do 2.50 do .. . . . .	52 50
E. W. Sovereign: do do 1.75 do .. . . . .	10 50
W. E. A. Peer: do do 1.75 do .. . . . .	83 95
C. V. Taggart: do do 1.50 do .. . . . .	90 75
C. C. Lyall: do do 1.50 do .. . . . .	91 50
P. W. Hodgetts: Travelling expenses and disbursements .. . . . .	54 65
J. F. Smith: do 282.43; to pay postage, staty., etc., 16.46;	
freight charges, 134.10; sundry disbursements, 41.75 .. . . . .	474 74
Travelling expenses: Jos. Healey, 38.05; F. W. Broderick, 23.15; R. Thompson, 33.61;	
E. W. Sovereign, 4.50; G. R. Cottrelle, 151.10; W. E. A. Peer, 42.20;	
C. V. Taggart, 59.05; W. Lochhead, 40.25; Robt. Harcourt, 45.65; C. C. Lyall, 58.35	495 91
Treas. Twp. Gosfield South: One half cost inspection .. . . . .	40 00
M. A. Bell, Clerk Twp. Louth: do do .. . . . .	15 00
A. Hansel, Treas. Twp. Clinton: do do .. . . . .	39 00
Dominion Drug Co.: Sulphur, 550.38; freight charges, 53.56 .. . . . .	603 94
J. Winer & Co.: do 430.58; do 27.51 .. . . . .	458 09
Macpherson, Glassco & Co.: do 152.00; do 13.79 .. . . . .	165 79
Elliot & Co.: do 112.92; do 8.37 .. . . . .	121 29
Lyman Bros & Co.: do 35.94; do 4.62 .. . . . .	40 46
Perkins, Ince & Co.: do 38.57; do 5.27 .. . . . .	43.84
T. Kinnear & Co.: do 80.64; do 9.00 .. . . . .	89 64
Beaver Oil & Gas Co.: Crude oil, 589.08; barrels, 25.00; freight charges, 1.80 .. . . . .	615 88
G. A. McBain: Spraying mixture and powder .. . . . .	700 00
Southcott & Potter: Sulphide potassium, 6.60; L. K. Cameron: Paper, 4.50 .. . . . .	11 10
Warwick Bros & Rutter: Printing, etc., 3.70; Mrs. Hubertus: Postage stamps, 25.00	28 70
C. E. Fisher, Secy.-Treas.: Grant to Fruit Growers' Assn. to discuss methods of	
combatting scale .. . . . .	120 00
	5,667 48
Less received from sale of sulphur, oil and soap .. . . . .	1,976 62
	3,690 86

## EXPERIMENTAL FRUIT STATIONS AND INSTITUTES (\$4,281.23).

L. Woolverton: Services as Secretary Board Control and preparing work on fruits	
of Ontario .. . . . .	725 00
H. L. Hutt: Allowance inspecting stations, 100.00; trav. exps. and disbursements,	
93.65 .. . . . .	193 65
Trav. Expenses and Disbursements:—	
L. Woolverton, 70.14; H. Jones, 29.15; A. M. Smith, 16.00; J. A. Hand, 28.15;	
G. C. Caston, 27.85; W. H. Dempsey, 21.00; P. W. Hodgetts, 2.60;	
A. E. Sherrington, 107.17; W. Hunt, 49.90; G. C. Creelman, 6.50; T. H. Race, 55.75;	
James Mills, 3.40; Harold Jones, 8.20; W. T. Macoun, 14.62; Elmer Lick, 10.15;	
C. Young, 25.40; F. J. Barber, 42.50; J. L. Hillborn, 37.40; A. McNeill, 50.0	605 88
Allowance as Experimenter:—	
W. W. Hillborn, 200.00; M. Pettit, 200.00; A. W. Peart, 175.00; J. Mitchell, 175.00;	
A. E. Sherrington, 150.00; G. C. Caston, 175.00; H. Jones, 175.00;	
W. H. Dempsey, 200.00; E. B. Stevenson, 112.50; C. Young, 75.00;	
L. Woolverton, 175.00; .. . . . .	1,812 50
W. B. Varley: Reptg meeting, 10.00; E. B. Stevenson, plants, 19.43 .. . . . .	29 43
Lecturing @ 3.00 ner day:—J. L. Hillborn, 30.00; T. H. Race, 69.00; W. Hunt, 42.00;	
G. C. Caston, 33.00; J. A. Hand, 16.25; A. E. Sherrington, 100.50; T. J. Barber, 25.50	316 25
Board Meetings:—A. M. Smith: Services, 16.50; exps., 18.65; W. T. Macoun: Services	
3.00; exps., 28.63; Elmer Lick: Services, 3.00; expenses, 5.35 .. . . . .	75 13
Trees:—T. Rivers & Sons, 33.15; A. M. Smith, 6.35; Ellwanger & Berry, 5.84 .. . . . .	45 34
Arndt Tree Protector: 600 tree protectors, 48.00; Mrs. Hubertus: Postage stamps,	
25.00; .. . . . .	73 00
A. W. Peart:—To pay exp. charges on trees, .85; Can. Exp. Co.: duty, charges and	
express, 6.74 .. . . . .	7 59
Freight and duty charges:—G. T. Ry. Co., 4.05; Harold Jones, 2.22; J. G. Mitchell, 3.82	
Collector Customs:—Duty chgs., 2.70; Whitall Tatum Co.: bottles, 55.28 .. . . . .	57 98
Buntin, Gillies & Co.: Mounting board, 1.22; A. S. Forster: ptg. bills and cards, 4.25	5 47
Zurich Herald: Posters, 2.50; Bryant Press: cards, 3.00 .. . . . .	5 50

## AGRICULTURE.—Continued.

## EXPERIMENTAL FRUIT STATIONS AND INSTITUTES.—Concluded.

Photos of Fruits: A. W. Medcalfe, 4.50; Fraser & Sibley, 5.70; A. M. Cunningham, 45.48; Galbraith Photo Co., 1.09					56 77
D. McKenzie: Ptg and advertising, 2.50; Mrs. Torrey: stationery, 5.10					7 60
Can. Typewriter Co.: Supplies, 21.60; Mail Ptg. Co.: advertising, 40.00					61 60
Postmaster: Rent of box, 1.50; postage stamps, 10.00					11 50
Can. Press Assn.: Certificate membership for Rlys., 2.00; Globe Ptg. Co.: Advtg., 50.00					52 00
Industrial Exhibition:—					
W. H. Dempsey: Services, 4.00; Fruit 16.30; trav. expenses, 5.54;					
A. W. Peart: do do 5.40;					
A. M. Smith: do 18.00; do 16.65;					
W. W. Hillborn: do 2.00; do 24.49;					
M. Pettit: do 13.42; do 5.40;					
Elmer Lick: do 9.00; do 8.75;					129 95

## EASTERN DAIRY SCHOOL (\$12,802.55).

J. W. Mitchell: Twelve months' salary as Superintendent					1,500 00
G. G. Publow: Four and one-half do Instructor in cheese					562 50
J. H. Echlin: Five do Assistant instructor in cheese					181 66
R. Ireland: Four and one-quarter do Instructor in butter					298 67
J. Stonehouse: Three do do					217 50
Services instructing in butter: J. Buro, 48.00; James Irwin, 20.00					68 00
W. J. Carson: Three months' salary as Instructor in testing					210 00
J. F. Singleton: One do do					32 50
T. E. Perry: Four & three-quarters do Asst. do					150 00
Services instructing in testing: E. McIntyre, 12.50; Warner Williams, 8.25					20 75
G. C. Creelman: One month's salary as Director					4 17
G. A. Putnam: Eleven do do					45 83
W. T. Connell: Twelve do Bacteriologist					500 00
Jessie Gordon: Five and one-half do Office assistant					94 00
J. A. Craig: Five do Engineer					175 50
Alex. Ross: Ten do Caretaker					110 00
City of Kingston: Taxes, 6.35; Water Works Dept.: Water, 70.00					76 35
Kingston Heat and Light Co.: Heat, 5.57; light, 22.81					28 38
Fuel: Booth & Co., 171.25; P. Walsh, 58.50					229 75
Mrs. Dennis: Washing					5 62
Apparatus, Appliances, Supplies, Repairs, etc.:					
Imperial Laundry Co., 3.52; De Laval Separator Co., 14.73; The Rathbun Co., 9.50;					
Lemon, Claxton & Lawrenson, 25.88; J. Laidlaw & Co., 2.85; Can. Dairy supply					
Co., 3.50; Firstbrook Box Co., 48.87; Robertson Bros., .25; Lyman Bros. & Co., 15.42;					
R. A. Lisser & Co., 1.23; Silver Dust Mfg. Co., 9.20; Queen City Oil Co., 5.80;					
J. Laidlaw & Son., 3.80; C. Richardson & Co., 220.50; T. Vanhorn, .40; McKilney &					
Birch, 89.79; A. P. Chown, 13.18; H. A. Wilton, 8.40; H. Skinner & Co., 8.43;					
J. F. Kellock, 10.50; A. Stoddard, 4.00; Robert Reeve, 2.75; D. Derbyshire & Co.,					
35.80; J. W. Mitchell, .25; A. Nichols & Son, 13.00; J. Gilbert, 2.15;					
A. J. Johnston, 1.61; C. Hansen's Laboratory, 7.20; Geo. Sears, 2.37;					
G. R. Tomlinson, 2.64; Creamery Pkg. Co., 5.25; Dom. Paper Co., 35.40;					
R. Carson, 6.75; Jno. Rees, 7.00; W. Richardson, .60					622 52
Bell Telephone Co.: Messages, 17.95; G. N. W. Tel. Co.: telegrams, 1.81					19 76
C. P. R. Telegraph: Telegrams, 1.00; Can. Express Co.: charges, 11.25					12 25
Dom. Express Co.: Charges, .50; S. J. Rees: cartage, 3.00					3 50
G. T. Ry. Co.: Freight charges, 24.12; Collector Customs: duty charges, 4.85					28 97
K. & P. Ry. Co.: Freight charges, 2.31; L. Guess: cab hire, 3.50					5 81
J. Stonehouse: Cab hire, 2.00; W. Jacob: cab hire, 1.25					3 25
Trav. expenses: J. W. Mitchell, 37.35; D. Derbyshire, 3.50; R. G. Murphy, 3.50;					
G. G. Publow, 7.45					51 80
Stationery: J. C. Dobbs & Co., 7.15; R. Uglow & Co., 39.83; E. J. Pense, 17.90;					64 88
J. G. Foster: City directory, 2.00; Rolph, Smith & Co.: cheque books, 29.50					31 50
Warwick Bros. & Rutter: Cheque books, 3.40; S. A. Hentig: postage stamps, 22.00					25 40
J. Gillert: Postage stamps					19 25
Sundry persons: Milk supplied, 7,252.13; Sundry students: refund fees, 11.00;					7,263 13
Sundry newspapers: Subscriptions, 12.30; advertising, 66.85					79 15
Board of Education: 1 year rent of gymnasium to Sept. 1, 1904					60 00

(Revenue, \$8,275.65. See Statement No. 7).

## AGRICULTURE.—Continued.

## WESTERN DAIRY SCHOOL (\$3,442.98).

Geo. H. Barr.....	Services as Superintendent at 125.00 per month .....	500 00
F. Hearn .....	do Instructor Milk testing .....	330 00
J. C. Bell .....	do do Butter-making .....	245 00
F. Dean .....	do do do .....	45 00
Jno. Scott .....	do do Cheese-making .....	210 00
Jas. Burgess .....	do do Separators .....	235 00
Mrs. Agnes Smith.....	do do Home Dairy & Domestic Science .....	225 00
W. Armstrong .....	do Engineer .....	60 00
E. Barry .....	do do .....	127 00
R. N. Cruickshank .....	do do .....	3 00
W. G. Lister .....	do Weighing milk .....	3 50
G. C. Creelman.....	Allowance as Director .....	4 17
G. A. Putnam.....	do do .....	45 83
J. P. Whitehead, V.S.:	Lecturing, 5.00; Miss L. Cockburn: Typewriting, 2.00 .....	7 00
M. McNeil:	23 5-8 cords hardwood at 3.50, 82.65; 3½ cords soft wood, 78.75 .....	161 40
R. Nicholson:	2 tons coal at 5.50, 11.00; Scott & Gillies: 29-265 tons at 5.00, 150.65 .....	161 65
Apparatus, supplies, appliances, repairs, etc.:		
C. Richardson & Co.:	261.01; McColl Bros.:	10.11;
Ballantyne Dairy Supply Co.:	75.59; C. H. Slawson & Co.:	25.10;
London Box Mfg. & Lumber Co.:	43.88; A. Westman, 1.00; J. D. Meekison, 4.05;	
W. H. Stepler, 2.55; London Engine Supplies Co., 13.75; Crown Oil Refining Co., 4.00;		
F. J. Sleightholm, 14.25; J. Robertson & Son, 41.52; Jas. Noble, 19.81;		
H. Cooper, 1.00; H. G. Cline, 11.00; G. L. Brown, 8.35; Geddes Bros., 4.50;		
Wagner Glass Works, 6.65; R. Nicholson, 7.17; Scott & Gillies, 11.17;		
W. P. Gamble, 2.00; R. J. Avery, 2.15; P. N. Nichol, 1.25; Union Petroleum Co., 3.50;		
D. Graham, 14.25; J. C. Best, 9.07; Jas. Wright & Son, 24.98; Geo. Lamotte, .85;		
F. L. Harrison & Son, 3.50; patron's account, 7.11; Lee's Fruit Store, .65;		
E. Barry, .55; E. Statham & Son, 17.70; Wm. Baird, 26.94; Darch & Hunter, 3.80;		
Canada Foundry Co., 17.65; R. Whitelaw, 13.06; Smith Bros. & Co., 1.90;		
E. Leonard & Sons, 6.00; Geo. K. Herd, 41.15; Wm. Stevely & Son, 3.35;		
Creamery Package Mfg. Co.:	4.50 .....	772 37
Wm. Briggs: Books, 3.00; R. S. Williams: Group photo staff & students, 24.20 .....		27 20
Stationery: H. C. Pope, 1.10; A. A. Langford & Co., 1.00 .....		2 10
D. C. McPhail: Work on drain, 2.75; W. Taylor: Care of lawn, 4.00 .....		6 75
Griffin & Bolton: Cartage, 7.70; Can. Express Co.: Charges, 9.70 .....		17 40
Bell Tel. Co.: Messages & phone, 21.25; Postmaster: Postage stamps, 6.00 .....		27 25
A. G. Raymond: Postage stamps, 5.00; Buttery & Rapley: Livery hire, 1.00 .....		6 00
Jno. Murdock: Laundrying, 5.75; G. M. Haldane: Ptg. & staty., 31.50 .....		37 25
Printing & advertising: <i>The Dispatch</i> , 27.15; Evans Bros.: 47.05 .....		74 20
Advertising: Western Dairymen's Assn., 10.00; <i>St. Thomas Journal</i> , 4.00;		
<i>Farming World</i> , 8.40; <i>Weekly Sun</i> , 11.20; <i>The Enterprise</i> , 1.50; <i>Huron Expositor</i> , 3.60 .....		38 70
Subscriptions: <i>Trades Bulletin</i> , 2.00; <i>Can. Engineer</i> , 2.00; Chicago Produce Co., 2.50;		
<i>Hoard's Dairyman</i> , 1.00; <i>Farming World</i> , 1.20; <i>Farmers' Advocate</i> , 1.50;		
<i>N. Y. Produce Review</i> , 2.75; <i>The Housekeeper</i> , 1.00; <i>The Dispatch</i> , 1.00 .....		14 95
Travelling expenses: Robt. Harcourt, 6.55; W. P. Gamble, 11.85; F. C. Harrison, 6.00;		
H. H. Dean, 5.75; E. Barry, 3.55; M. McBrearty, 4.00 .....		37 70
(Revenue, \$49.66. See Statement No. 7).		

## PIONEER DAIRY FARM (\$2,081.81).

A. E. Annis: Thirteen months' salary as Superintendent, 1903-4.....	520 00
Wages, Laborers:—	
Sundry persons, 62.05.....	894 05
H. Hardy, 555.00; E. McPhail, 37.00; A. E. Berry, 240.00;	
F. T. Brignall: Threshing, 30.00; A. E. Annis: Disbursements, 1.25 .....	31 25
C. C. Godfrey, V.S.: Attendance & medicines, 4.50; Dr. Blair: Medicines, 1.25 .....	5 75
Max Schellenberg: Harness & repairs, 15.95; Frost & Wood: Repairs to implements, 1.65 .....	17 60
J. R. Lodes: Twine, 13.00; M. Tuck: Twine, 7.25 .....	20 25
W. Mooney: Wood, etc., 5.65; J. G. Hays: Clover seeds, etc., 29.27 .....	34 92
Supplies, etc.—	
G. M. Yeomans, 9.50; J. E. Gibson, 56.11; J. Reed, 103.95;	
Cassidy & Son, 112.51; L. V. Rutter, 5.00; S. B. Black, 4.90 .....	291 77
9a P.A.	



AGRICULTURE.—Continued.

PIONEER DAIRY FARM.—Concluded.

C. Silver: One horse, 160.00; W. McMillan: Lumber, 6.75 .....	166 75
McGregor Bannell Fence Co.: Fencing, fence stretcher, etc. ....	85 26
C P. Railway Co.: Freight charges .....	14 21
(Revenue, \$762.18. See Statement No. 7.)	

BUREAU OF INDUSTRIES (\$2,804.49).

Services, tabulating agricultural statistics at 2.00 per day:—	
A. J. Brodie, 72.00; W. E. Bradwin, 72.00; S. A. Cudmore, 84.00; W. H. King, 72.00;	
H. H. Ledrew, 48.00; C. W. McIntyre, 72.00; A. F. Hare, 60.00; A. D. Emory, 48.00	528 00
Services, mailing circulars and addressing envelopes at 2.00 per day:—	
M. H. V. Cameron, 36.00; H. H. Ledrew, 34.00; F. Rightmeyer, 184.12.....	254 12
W. A. Stewart: Meteorological services, 50.00;                      Jas. B. Nichols: 500 copies	
Farmers' Hand Book, 60.00 .....	110 00
Alfred Hewitt: 1200 copies <i>Can. Agricultural Annual</i> , 60.00; W. McMaster: Postage	
stamps, 90.00 .....	150 00
Am. Arithmometer Co.: Adding machines, 625.00; paper, 7.75 .....	632 75
Warwick Bros. & Rutter: Printing and binding reports, bulletins, etc. ....	541 09
L. K. Cameron: Paper, 79.93; stationery, 219.85 .....	299 78
Riordon Paper Mills: Paper .....	288 75

COLD STORAGE (\$450.00).

J. B. Reynolds: Trav. expenses, 184.23; Collector of Customs: Duty charges, 3.90	188 13
Georgia Fruit Package Co.: Fruit carriers, 12.50;                      freight charges, 1.60....	14 10
J. B. Reynolds: Disbursements re experimental shipment of fruit .....	134 48
do                      To pay deficit in Grimsby shipment .....	108 89
do                      do                      St. Catharines shipment .....	4 40

AGRICULTURAL COLLEGE.

Salaries (\$38,588.46).

Jas. Mills:                      One months' salary as President.....	166 66
Geo. C. Creelman:            Eleven                      do                      do .....	1,833 34
H. H. Dean:                    Twelve                    do                      Prof. of Dairying.....	1,700 00
J. H. Reed:                    do                      do                      Veterinary Science (part time)	1,000 00
J. B. Reynolds:              do                      do                      Physics and English .....	1,700 00
W. Lochhead.                do                      do                      Biology .....	1,700 00
G. E. Day:                    do                      do                      Agriculture.....	2,000 00
do                      Arrears for 1903           do                      do .....	400 00
H. L. Hutt:                    Twelve                    do                      do                      Horticulture.....	1,600 00
F. C. Harrison:              do                      do                      do                      Bacteriology .....	1,600 00
Robt. Harcourt:             do                      do                      do                      Chemistry .....	1,600 00
W. P. Gamble:                do                      Lecturer in Chemistry .....	1,200 00
M. Cumming.                do                      do                      do                      Animal Husbandry .....	1,200 00
T. D. Jarvis:                 Four                      do                      do                      Biology .....	366 66
J. W. Hotson:                Five and one-half       do                      do                      do .....	458 32
A. J. Mackay:                Forty-four days         do                      Assistant in Biological Labty .....	44 50
B. Barlow:                    Twelve                    do                      Demonstrator, Bacteriology....	800 00
E. G. de Coriolis:           do                      do                      do                      Chemistry .....	800 00
T. D. Jarvis:                 Eight                     do                      do                      Biology .....	533 00
V. W. Jackson:              Four                      do                      do                      do .....	233 33
W. H. Day:                    Twelve                    do                      do                      Physics .....	800 00
H. S. Peart:                   do                      do                      do                      Horticulture .....	800 00
W. R. Graham:               do                      Manager, Poultry Department .....	1,200 00
F. H. Reed:                   do                      Dean of Residence .....	700 00
A. G. Rowsome:              do                      Teacher French & German & Asst Lib'an	700 00
W. G. Milligan:             do                      Second Asst. in Library .....	400 00
W. Clark:                    do                      Drill & Gymnastic Master .....	300 00
B. S. Pickett:                do                      Secretary to President .....	800 00

## AGRICULTURE.—Continued.

## AGRICULTURAL COLLEGE.—Continued.

## SALARIES.—Continued.

A. Hallett:	Twelve months' salary as	Stenographer	400 00	
S. Springer:	do	Bursar and Superintendent	1,500 00	
A. A. Davidson:	do	Clerk	550 00	
W. B. Goldie:	do	do	291 66	
Sarah Craig:	Nine	do	375 00	
A. A. Nelles:	Two	do	83 00	
S. E. Hardy:	One	do	42 00	
W. O. Stewart, M.D.:	Twelve	do	Physician	500 00
R. W. Green:	do	do	Engineer	800 00
Jno. Kelly:	Five	do	Painter	250 00
J. W. Holman:	Five	do	do	250 00
Stokers (3):	Twelve	do	do	1,201 00
Jno. Squirrel:	do	do	Night Watchman	396 00
J. Woods:	Eight	do	Messenger	233 00
Geo. Dean:	Three	do	do	90 00
E. W. Marshall:	One	do	do	20 00
J. Teven:	Twelve	do	Janitor	396 00
Geo. Smith:	Seven	do	Sewage Caretaker	278 00
A. J. Black:	One	do	do	38 00
Robt. Abbs:	Four	do	do	154 00
A. W. Bruce:	Twelve	do	Departmental Stenographer	225 00
E. Powell:	do	do	do	130 00
Pay lists: Wages cooks, laundresses, maids, etc.			2,261 91	
Forestry Department:—				
E. J. Zavitz:	Nine months' salary as	Forester	450 00	
W. C. Walker:	Three	do	do	150 00
Pay lists: Wages, laborers, etc.			888 05	

## EXPENSES (\$42,713.31).

Armstrong, A. A.: Poultry, 5.17; Acton, Jas. Pubg. Co.: books, 5.50	10 67
Anderson, C. & Co.: Stationery, 52.57; Am. Chemical Socy.: membership dues, 5.00	57 57
A. L. A. Pub. Coy.: Cards, 5.16; Acta Victoriana: advtg., 15.00; sub. 1.00	21 16
Agnew, Geo.: Temporary services	175 00
Bollert, E. R. & Co.: Cotton, 2.40; Bullock, A. C.: cyl oil, 3.25	5 65
Brome County Maple Product Co.: Maple syrup, 520 lbs., 28.06; Bond, J. M. & Co.: iron hardware, etc. 98.08	126 14
Boyle, J.: Services, stoker, 8.20; Bacteriological Dept.: disinfectants, 2.00	10 20
Beck Duplicator Co.: Labty supplies, 6.00; Beamish, J. R.: rubber aprons, 5.00	11 00
Brown, J. C.: Binding books, 21.76; Babcock, P. Y.: berries, 23.04	44 80
British Bee Journal: Books, 7.71; Britnell, A.: books, 39.25	46 96
Boston Book Co.: Books 30.00; Briggs, Wm.: books, 1,343.16	1,373 16
Ballantyne, R.: Scholarship, 10.00; Bracken, J.: Scholarship, 10.00	20 00
Bunting, G.: Scholarship, 10.00; Brethour, J. E.: judging <i>re</i> short courses, 12.00; exps., 5.15	27 15
Baldwin, L. H.: Short course lectures, 12.00; trav. exps., 2.70	14 70
Bell, W. J.: Short course lectures, 6.00; trav. exps., etc. 6.25	12 25
Barber, A.: Exps. <i>re</i> short courses, 15.00; Beattie, W. H.: Drugs and chemicals, 1.76	16 76
Bernhardt, C.: Services telephone boy, 6.50; Buchanan, J.: drawing plans, 7.75	14 25
Bell Tel. Co.: Messages, 108.85; Bursar: to pay sundries, 57.25	166 10
Castner, Curran & Bullitt: Coal, 600 tons, 700 lbs., @ 4.30, 2,582.15; 1,507 tons, 100 lbs., @ 3.50, 5,214.19	7,796 34
Canada Biscuit Co.: Biscuits, 7.99; Clugston, R. G.: honey, 100 lbs., 8.00	15 99
Central Electric & School Supply Co.: Rain gauges, 4, 20.00; labty. supplies, 29.15	49 15
Clay, Mrs. Wm.: Services, housekeeper, St. Rocks hospital	70 00
Caston, G. C.: Maple syrup, 6 gals., 7.90; "Country Life," sub. 2.65	10 55
Cannd & Dried Fruit Pub. Co.: Sub., 3.00; Can. Typewriter Co.: typewriter supplies, 15.80	18 80
Canada Chem. Mfg. Co.: Chemicals, 26.47; Can. Gen'l Electric Co.: lamp, 2.00	28 47

## AGRICULTURE.—Continued.

AGRICULTURAL COLLEGE. *Continued.*

## EXPENSES.—Continued.

Chem. Pubg Co.: Journals, 2.40; Chemists' & Surgeons' Supply Co.: labty. supplies, 254.88	267 28
Chandler & Massey: Labty. supplies, 2.68; Cambridge Botanical Supp. Co.: labty: supplies, 26.12	28 80
Can. Engineering Co.: Oil, 4.25; Clay, Wm. F.: books, 112.00	116 25
Cosh, N.: Lecturing re short courses, 12.00; trav. expenses, 4.20	16 20
Carter, Wm.: Poultry, 15.00; Campbell, Jno.: trav. expenses, 19.30	34 30
Creelman, G. C.: Trav. exps., 79.75; trav. expenses to St. Louis, 126.15	205 90
Cuming, M.: Trav. expenses, 38.20; books, 2.50	40 70
Common Sense Mfg. Co.: Rat exterminator, 6 lbs., 6.00; Clemens, H. A. & Co.: lumber, etc., 80.13	86 13
Cummings, H.: Driving wagonette, 8.25; Catholic Pubg. Co.: advtg, 10.00	18 25
Canada Year Book: Advtg., 105.00; Cray Oil Co.: Oil, 40 gals., 8.20	113 20
Cyphers Incubator Co. Books, 1.00; Dooley, J. M.: bread & biscuits, 775.20	776 20
C. P. Railway Co.: Freight charges, 64.45; freight charges on coal, 36.37	100 82
C. P. R. Telegraph: Telegrams, 59.65; Can. Bank Commerce; exch. on drafts, etc., 10.90	69 55
Can. Express Co.: Charges, 112.05; Dooley, Jno.: fence, 210.00	322 05
Collector of Customs: Duty charges, 19.52; duty charges on coal, 1,103.37	1,122 89
Crowther, L.: Services as baker, 175.00; Can. Horticulturist: advtg, 24.00	199 00
Crawford, E. A.: Trav. expenses	1 35
Dairy School: Butter, 11,791 lbs., 2,494.91; cheese: 45 lbs., 4.50	2,499 41
Dougall, Jno. & Son: Stationery, etc., 2.40; Duncan, Geo.: whitewashing, 28.40	30 80
Davidson, Wm.: Care of horses during Sundays, 11.50; cab hire, etc., 16.00	27 50
Dean, H. H.: Trav. exps., 13.20; Day, W. H.: Trav. exps., visiting colleges in U.S., 50.00	63 20
Day, G. E.: Trav. exps., 25.55; expenses re short courses, 8.25; allowance trav. expenses, self and six students to Chicago, 140.00	173 80
Davidson, Jno.: Chair, 7.50; couches, 21.00; upholstering, etc., 69.50; perf. seats, 10.00; desk, 12.00; bed and mattress, 23.50	143 50
Day, T. J.: Stationery, etc., 77.26; subs., newspapers, periodicals, etc., 24.50	101 76
Douglas, M.: Services trained nurse, 56.57; Dickson, J. R.: books, 2.90	59 47
Dentonia Park Farm: Exps., and freight chgs. re short courses, stock judging	27 25
Dom. Express Co.: Charges, 40.93; Dom. Presbyterian: advtg, 37.00	72 73
Eimer & Amend: Labty. supplies, 97.89; Entomological Society: Labty. supplies, 10.00	107 89
Empire Soap Co.: Mangle cloth, 25 yds., 20.00; duck, 5 yds. 5.46	25 46
Electric Boiler Compound Co.: Boiler compound, 893 lbs., 54.48; cyi oil, 78 gals., 62.66; engine oil, 80 gals., 40.17; packing, 18 lbs., 19.96; machine oil, 22 gals., 14.00; sundries, 25.09	216 36
Eureka Mineral Wool Co.: Hose, 10 ft., 9.00; packing, etc., 44.36	53 36
Fairmont Coal Co.: 43 tons, 1,500 lbs., @ 3.75, 164.06; Fielding & McLaren, tea, 50 lbs., 12.50	176 56
Fulmer, H. L.: Temporary assistance, 100.00; Fock, B. G.: books, 61.01	161 01
Foster Pottery Co.: Pots, 4.00; Farming World: advtg, 17.68	21 68
Farmers' Advocate: Advtg., 78.80; sub, 1.50; books, 15.00	95 30
Farm Department: Exps. re short courses, 45.83; Fleischmann & Co.: Yeast, 22.50	66 33
Gurney Foundry Co.: Radiator, 2.32; Goldie & McCulloch Co.: Valve, 1.10	3 48
Goldie, The Jas. Co.: Bran, $\frac{1}{2}$ ton, 8.50; flour, 367.21	375 71
Globe-Wernicke Co.: Filing cabinets, 11.05; Green, H. J.: Labty supplies, 17.55	28 40
Gummer, H.: Subs., 16.00; ptg. and advtg, 8.40	24 40
Guelph Cartage Co.: Freight charges and cartage, 12.67; cartage of coal, 61.51	74 18
Guelph Radial Ry. Co.: Cartage of coal, etc., 285.23; car tickets, 10.20	295 43
Gunn's, Limited: Bacon & hams, 9,358 lbs., 1,112.98; Guelph Paper Co.: Staty., etc., 4.87	1,117 85
Goldie, Wm.: Services tempy. clerk Bursar's office, 29.15; Guelph Ice Co.: Ice, 30.00	59 15
Guelph Light & Power Dept.: Electric light, 321.45; Graham, W. R.: Trav. exps., 6.95	328 40
G. T. Ry. Co.: Freight charges, 108.60; G. N. W. Tel. Co.: Telegrams, 19.99	128 59
Grip Pub. Co.: Advtg. 5.95; half tone engraving, 37.40	43 35
Globe Ptg. Co.: Christmas cards, 30.00; advtg., 107.46	137 46
Gamble, W. P.: Trav. expenses, 18.30; Green, R. W.: Trav. expenses, 13.05	31 35
Gutta Percha & Rubber Mfg. Co.: Brass pipe, 7.75; Gray, Wm. & Sons Co.: Buggies (2), 260.00	267 75
Grant, T. F.: Cleaning well, etc, 4.50; Gilchrist, A.: Raking leaves, etc., 32.82	37 32

## AGRICULTURE.—Continued.

## AGRICULTURAL COLLEGE.—Continued.

## EXPENSES.—Continued.

Gosling, Jno.:	Services & lectures <i>re</i> short courses stock judging, 60.00;	
trav. expenses, 50.00;	Holliday, W.: Mounted birds, 20.00	130 00
Hodgson, R.: Services unloading coal, 9.90;	Hales, A.: Meat, 1.25	11 15
Hales, P.: Poultry, 3.60;	Hill, D.: Trees, 104.00	107 60
Hewer, Jas. & Son: Labty. supplies, .50;	potatoes, 238 bags, 196.42	196 92
Hurdall, L.: Photo supplies & photos, 6.95;	Hotson, J. W.: Labty. supplies, .70	7 65
Hume, Jno.: Damages to sheep used in short courses, 20.00;	Huard, V. A.: Books, 2.00	22 00
Hayhoe, R. B. & Co.: Tea, 1,356 lbs., 305.00;	Hunt, Wm.: Trav. expenses, 2.90	307 90
Harrison, F. C.: Trav. expenses, 44.15;	Hardy, S. E.: Trav. expenses, 5.60	49 75
Hutt, H. L.: Trav. exps. 22.65;	Harcourt, Robt.: Trav. exps., 42.70	65 35
Hart, F. C.: Scholarship, 10.00;	Halliday, E.: Painting birds, 62.00	72 00
Inland Revenue Dept.: Meth. spirits, 10.80;	International Ry. Co.: Sub., 1.00	11 80
Jones, D. H.: Illustrating reports, 5.50;	Jaffray, A.: Unpacking & hdlg. 2 pianos, 5.00	10 50
Jackson & Son: Salt, 8 bbls., 10.00;	Journal: Advtg. 9.60	19 60
Jenkins, W. R.: Books, 2.50;	Johnston & Co.: Bread, 5.37	7 87
Kloepfer & Co.: Coal, 36-200 tons at 5.20, 187.72;	1-1860 tons at 7.00, 13.57;	
charcoal, $\frac{1}{2}$ ton, 15.00		216 29
King, W. S.: Labty. supplies, 10.50;	Kennedy, Jno.: Sewer pipe, etc., 30.50	41 00
Kerr, A.: Poultry, 16.05;	Krouse, F. W.: Honey, 4.60	20 65
Kellerman, W. A.: Books, 2.00;	Kennedy, J. W.: Scholarship, 10.00	12 00
Kennedy, R. B.: Photos, 4.25;	Kent, Ambrose & Sons: Brooches (9), 10.00	14 25
Kennedy, Jno.: Coal (cannel), 2,400 lbs., at 7.00, 8.40;	5,060 lbs. at 7.50, 18.97;	
nut, 3-685 tons, at 6.75, 22.56;	18-1560 tons, at 6.33, 119.25	169 18
Lyman Sons & Co.: Labty. supplies, 100.16;	Le Roy Chemical Co.: Boiler compound,	
1 bbl., 38.40		138 56
Lee, J. E. Co.: Disinfectant, 30.00;	London Ammonia Co.: Powder am. 204 lbs., 12.24	42 24
Lothead, W.: Trav. expenses, 69.70;	Literary Digest: Sub., 3.00	72 70
Library Bureau: Gummed labels, cards, etc., 60.15;	Library of Congress: Catalogue,	
cards, etc., 63.38		123 53
Mitchell, R.: Groceries, 23.11;	Morrison, Jas.: Brass Mfg. Co.: Valves, castings, etc.,	
11.00		34 11
Marriott, Jno.: Spray, (late Dr. Muldrew), 10.00;	Mason, A. W.: Books, 3.00	13 00
Michigan Ammonia Works: Engine room supplies, 30.00;	Mills, Jas.: Trav. exps., 3.15	33 15
Mineral Wool & Asbestos Co.: Packing, 33.30;	Merck & Co.: Labty. supplies, 72.21	105 51
Meehan, Thos. & Sons: Forestry supplies, 48.30;	Mahoney Bros.: Castings, etc., 15.47	63 77
Map & School Supplies Co.: Labty. supplies, 21.95;	Morris, G. B.: Iron h'd're, etc., 269.70	291 65
Matthews, Mrs.: Services caretaker, Massey bldg., 273.00;	Moore, H. P.: Circulars, 2.85	275 85
Marshall, E. W.: Services messenger, 5.00;	Mail Ptg. Co.: Advtg., 27.75	32 75
Might Directories: Directory, 7.50;	Mitchell, A. M.: Cab hire, 3.25	10 75
Morris, E.: Cab hire, 9.50;	Moore, W. H.: Trav. expenses, 8.85	18 35
Muldrew, W. H.: Trav. expenses		9 65
McCrea, J. A.: Soap, 205.39;	sugar, 15,357 lbs., 574.00;	
lard, 1,102 lbs., 109.45;	biscuits, 176.85;	
coffee, 735 lb., 219.00;	salmon, 110 doz., 148.50;	
poultry, 99.48;	currants, 211 lbs., 11.61;	
raisins, 544 lbs., 38.36;		
corn beef, 6 tins, 10.00;	flour, 4,700 lbs., 81.45;	
baking powder, 10 doz., 16.30;		
eggs, 2,001 doz., 376.21;	sundries, 729.96;	
rd. wheat, 11 bbls., 31.73;		
rd. oats, 13 bbls., 58.50;	berries, 34.11;	
matches, 1 case, 3.75;	brooms, 15 doz., 36.85;	
prunes, 1,450 lbs., 81.50;	plums, 17.60;	
sardines, 20 doz., 40.50;	fish, 2,388 lbs., 237.20;	
apricots, 50 lbs., 6.25;	honey, 50 lbs., 4.50;	
cranberries, 4 $\frac{1}{2}$ bbls., 42.80;		
evap. apples, 250 lbs., 19.00;	canned vegetables, 122 doz. cans, 119.40;	
peaches, 13.95;	mustard, 24 jars, 17.10;	
apples, 2 bbls., 3.50;	table raisins, 44 lbs., 8.80;	
pineapples, 4 doz., 9.00;	pickles, 27.55;	
butter, 150 lbs., 24.50;	blueing, 30 lbs., 6.00;	
oranges, 19.45		3,931 77
McHardy, J. & A.: Sausage, 1,335 lbs., 157.28;	lard, 21 lbs., 2.00	159 29
Macdonald, D. E. & Bro.: Carpet, towels, blanket, etc., 79.43;	McCrea: Apples, 17.50	96 93
McNeil, Wm.: Services lecturing <i>re</i> short courses, 3.00;	trav. exps., 4.40	7 40
McIntosh, P. & Son: Labty. supplies, 5.00;	McKee, Jno. D.: Labty. supplies, 22.55	27 55
McNaughton, P.: Apples & butter, 10.88;	McCredie, A. L.: Tempy. assistance, 93.75	104 63
McKay, A. C.: Trav. expenses, 2.60;	McIntosh & Galbraith: Ptg., advtg., etc., 592.58	595 18
McMillan, H. R.: Scholarship, 10.00;	McDonell, Jno. Cartage, 3.50	13 50
Nelles, C. L.: Stationery, etc., 47.63;	National Book Co.: Books, 128.00	175 63
Nunan, F.: Ptg. & Staty., 58.75;	Negretti & Zambra: Thermometers, 40.15	98 90



## AGRICULTURE.—Continued.

## AGRICULTURAL COLLEGE.—Continued.

## EXPENSES.—Continued.

News: Sub., 2.50; Nelles, A. A.: Trav. exps., re transfer from Cobourg, 6.20	8 70
Ness, Robt.: Lectures re short course, 12.00; trav. expenses, 30.00	42 00
Office Specialty Co.: Staty., etc., 6.25; office furniture & fying cases, 194.04	200 29
Occomore, H. & Co.: Labty. supplies, 38.59; O'Donnell, M.: Carpentering, 3.70	42 29
Ottawa Free Press: Sub., 1.00; Ont. Pub. Co.: Advtg., 75.00	76 00
O. A. C. Review: Advtg., 27.00; Painter, A. J.: Seeds, 15.00	42 00
Ont. Agricultural Seed Co.: Bags, 6.86; wheelbarrow, 3.25	10 11
Petrie, A. B.: Labty. supplies, 2.20; Panton, F. H.: Books, 100.00	102 20
Pickett, B. S.: Scholarship, 10.00; Pinder, S.: Poultry, 3.80	13 80
Pringle, G. D.: Photo suplies, 29.75; Palmer, E. T.: Cab hire, 3.00	32 75
Poultry Department: Eggs, 59.75; poultry, 139.88	199 63
Peart, H. S.: Trav. exps., 28.28; Postmaster: Postage stamps, 528.70	556 98
Pike, The D. Co.: Rent of tent	6 00
Queen City Oil Co.: Crude oil, 1.16; cylinder oil, 23 gals., 21.15	22 31
Queen's Quarterly Pub. Co.: Sub., 10.00; advtg., 25.00	35 00
Quarrie, Jno.: Temporary assistance	157 00
Rumford, A.: Iron tinware, etc., 5.05; Rittinger & Motz: Advtg., 12.00	17 05
Robertson, G. A.: Berries, 45.50; Richardson, G. A.: Files, etc., 75.00	46 25
Rolph & Clarke: Engraving diplomas, etc., 72.50; Ray Society: Books, 25.70	98 20
Rawlinson, M.: Exps. re trsfr. of baggage, 13.90; Ryrie Paper Co.: Envelopes, 5.00	18 90
Ramsey, J. G. & Co.: Camera, etc., re forestry, 72.55; Reynolds, J. B.: Trav. exps., 17.30	89 85
Root, A. I. Co.: Insect mounting, strips for boxes, 5.00; Reed, J. H.: Exps. re short course, 5.00	10 60
Royal City Bottling Works: Ginger ale, 2.25; Ryan, G. B. & Co.: cheese cloth, etc., 23.69	25 94
Rowsome, H. R.: Lectures on apiculture, (1903), 200.00; (1904), 200.00; honey, 900 lbs., 72.00	472 00
Sundry persons: Holding religious services in Massey Hall:—	
R. W. Ross, 5.00; G. F. Davidson, 5.00; E. A. Henry, 5.00; A. Tovell, 5.00;	
T. H. Thomas, 5.00; P. C. L. Harris, 5.00; S. E. Marshall, 5.00; P. C. Sparling, 5.00;	
J. W. Weeks, 5.00; A. B. Winchester, 5.00; R. G. Glassford, 5.00; D. A. Walker, 5.00	60 00
Smallpox outbreak: J. A. McCrea, groceries, 52.99; Chas. Powell: Confectionery, 3.52;	
A. Hales, meat, 8.80; H. Peters: Milk & cream, 4.50; Kloepfer & Co.: Coal, 12.38;	
Wm. Sunley: tinware, etc., 12.85; G. B. Morris: Hardware, 14.11;	
T. J. Day: Staty. 4.50; Geo. McAllister: Sawdust, 6.00; Jas. Palmer: Cab hire, 13.00;	
Worthington Drug Co.: Drugs & chems., 5.10; Jno. D. McKee: Drugs, 45.70;	
Alex. Stewart: Frugs, 5.95; W. Herod: Drugs, 2.00; G. C. Warner: Fumigating, 4.82;	
St. Joseph's Hospital: Blankets, sheets, etc., 104.92; A. M. Mitchell: Cab hire, 5.00;	
Jno. Welch: Cab hire, 1.50; Dr. W. J. Robinson: Gown, 5.50;	
G. N. W. Tel. Co.: Telegrams, .30; F. Hurndall: Photos, 2.40;	
Dr. W. F. Bryans: Med. services, 2.00; Dr. Brock: Med. services, 20.00;	
H. P. Stark: Services trained nurse, 155.00; M. W. Meek: Ser. trained nurse, 32.00;	
W. O. Stewart, M.D.: Special grant, 300.00; Dr. Jas. Smillie: Med. services, 291.30	1,116 14
Stewart, Robt.: Lumber, etc., 124.88; Scrimgeour, Wm.: Athletic goods, 50.00	174 83
Smith, F.: Sheet lead & repz. pipes, etc., 14.80; Schultz Bros.: Manure, 3.50	18 30
Simpson, Robt.: Honey, 8.10; Stewart, A.: Drugs & chems., 145.44	153 54
Starr, B. F. & Co.: Labty. suplies, 7.25; Stevenson & Malcolm Co.: Plumb'g, etc., 154.60	161 85
Struthers, J. M.: Table, 5.00; Snodgrass, Thos.: Berries, 15.36	20 36
Smith, E. D.: Trees, 11.50; St. Louis Biological Labty.: Microscope slides, 10.20	21 70
Stechert, G. E.: Books, 396.77; Sanders, J. H. Pub. Co.: Books, 70.00	466 77
Standard Vinegar Co.: Vinegar, 4 hbls., 41.07; Sentinel Review: Advtg., .42	41 49
Sheppard Pub. Co.: Advtg. 200.00; sub., 2.00	202 00
Schaefer, F.: Tile, etc., 156.12; Student labor, 4,050.37	4,206 49
Secy.-Treas. S. S. 7 Guelph Twp.: Tuition fees of children residing on Gov't. property	92 40
Seeds re Forestry: Homer & Co., 2.40; C. R. Pettis, 14.10; M. Clark, 3.00;	
J. Tuck, 4.50; H. Peart, 3.50; Steele, Briggs Seed Co., 12.25	39 75
Sundry women: Cleaning, 11.00, Sam Lee Hing: Laundry, 16.89	27 89
Springer, S.: Trav. exps., 33.95; Sinclair, J. B.: Typewriting, 3.00	36 95
Smith, A. W.: Lectures re short course, 12.00; trav. exps., 6.40	18 40
Tyson, A. W.: Meat, 3,646.64; Talbot, A. & Co.: Post cards, 12.50	3,659 14
Tillson Co.: Bran, $\frac{1}{2}$ ton, 10.00; Temple, Jno.: Cab hire, 8.00	18 00

## AGRICULTURE.—Continued.

## AGRICULTURAL COLLEGE.—Continued.

## EXPENSES.—Concluded.

Trinity University Year Book: Advtg., 8.00; <i>Torontonensis</i> : Advtg., 25.00 .....	33 00
Tennant & Ward: Photos, 7.80; Tytler, Wm.: Setting papers & examining answers, 12.00 .....	19 80
Toronto & Hamilton Electric Co.: Carbons, repairs, etc. ....	13 20
Thorp, G. J.: Labty. supplies, 1.22; Tait, Nelson: Packing furniture, 3.50 .....	4 72
University of State of New York: Books, 2.05; <i>Varsity</i> : Advtg., 31.00 .....	33 05
University of Toronto: Alumni Assn.: Advtg., .....	40 00
United Typewriter Co.: Typewriter & table, 122.50; supplies, 62.55; Neostyle, 50.00 .....	235 05
Virtue & Co.: Books .....	99 50
Winslow, R. M.: Scholarship, 10.00; Weld, Wm. Co.: Advtg., 44.80 .....	54 80
<i>Weekly Sun</i> : Advtg., 72.20; sub., 1.25 .....	73 45
Whyte Packing Co.: Bacon & hams, 575 lbs., 72.40; Waters Bros.: Sundries, 13.34 .....	85 74
Weir Douglas: Bromide enlargements, 14, 14.00; Wood, J.: Lath, 4.00 .....	18.00
Wausan Quartz Co.: Sand, 2.63; Whitall Tatum & Co.: Drugs & chems., 76.73 .....	79 36
Westminster Co.: Sub. 2.50; West Disinfecting Co.: Regenerator, 27.50 .....	30 00
Williams, Geo.: Ice cream, 19.25; bread & biscuits, 34.36; fruit, confecy., etc., 45.53 .....	99 14
Woolverton, L.: Peaches, 8.50; pears, 6.00 .....	14 50
World Dustless Brush Co.: Floor brushes .....	9 00
Westervelt, A. P.: Advtg. in Winter Fair premium list .....	15 00
Young, J. B.: Staty., etc., 7.00; Y. M. C. A.: Advtg., 13.50 .....	20 50
Young, Wm.: Services guard re quarantine, 28.00; Young, F.: Photos, 7.00 .....	35 00
Zavitz, C. A.: Coal, 7-1820 tons, at 5.54, 44.12; cartage, 3.90; trav. exps., 2.85 .....	50 87
Zavitz, E. J.: Trav. expenses .....	76 65

(Revenue, \$19,184.69, See Statement No. 7.)

## MAINTENANCE (\$3,184.57).

Castings, repairs, etc.:—H. Occomore, 86.84; Goldie & McCulloch, 31.00; Guelph Electrical Works, 4.50; A. Robertson & Son, 20.11; Jas. Steele, 2.30; F. Smith, 2.75; Jas. Morrison Brass Mfg. Co.: 141.56; Kleopfer & Co., 1.33; Taylor-Forbes Co., .75; Geo. Harper, 1.15; Jas. Sweeney, .50; Mahoney Bros., .20; R. Barker, 5.20; Marlock Bros., 7.25; McConnell's Carriage Works, 14.55; Standard White Lime Co., 7.65; W. Nelson, 1.82; C. L. Nelles, 35.94; Mineral Wool & Asbestos Co., 20.14; R. W. Philips, 1.60; H. & D. Sallows, 20.63; W. King, 5.10; Thos. Foster, 7.77; W. McLaren & Co.: .50; J. A. Tovell, 6.50; W. Herod, .35; W. Sunley, 20.70; Geo. Beattie, 2.35; Crowe's Iron Works, 4.94; Guelph Pavement Co., 5.00; Jno. Kennedy, 2.05; G. D. Pringle, 2.90; Reid & Ross, 22.70; R. H. Barber, 3.00; W. A. Clark, 3.50; R. Barker, 2.75; Nordheimer Piano Co., 5.00; C. W. Kelly, 2.00; W. Bruce, 6.75; F. H. Reid, .40 .....	572 03
Furnishings, etc.: J. A. McCrea, 213.36; G. B. Ryan & Co., 394.78; D. E. Macdonald & Bros., 37.08; E. Henry, 2.25; J. M. Struthers, 9.00; S. & G. Penfold, 1.00; Milwaukee Brush Co., 10.75; T. Eaton Co., 19.04; Guelph Electric Co., 1.25; Ontario Seed Co., .25; Jas. Mills, 204.00; W. H. Beattie, 1.25; Jno. Kay Son & Co., 63.27; W. Herod, 1.35; R. Simpson Co., 4.05; Agricultural Seed Co., .75; Office Specialty Co., 25.00; D. R. Rowen, .20; Jno. Groom, 1.45; A. T. Wiley & Co., 5.85; Wood's Fair, 1.10; Keleher & Hendley, 2.00; R. K. Monkman, 5.20; Jno. Davidson, 164.95; Fletcher Mfg., Co., 2.35; Waters Bros., 1.50; J. C. Mundell & Co., 9.50; Royal City Rag & Metal Co., .25; Barrie Wickerwork Mfg. Co., 11.55 .....	1,194 33
Lumber: H. A. Clemens & Co., 41.96; Robt. Stewart, 64.03 .....	105 99
Hardware: G. B. Morris, 398.24; J. M. Bond & Co., 81.52 .....	479 76
Electric Boiler Compound Co.: Oil, etc., 47.70; Guelph Light and Power Co.: light, 29.64 .....	77 34
Nordheimer Piano Co.: Piano .....	300 00
F. Green: Temporary assistance in boiler room .....	28 80
Sundry persons: Labor, 7.24; Geo. Duncan, whitewashing .....	39 20
Painting, etc.: M. O'Donnell, 77.70; T. A. Cornie, 179.50 .....	257 20
T. J. Day: Stationery, etc., 63.31; Collector of Customs, duty charges, 2.80 .....	66 11
Express Charges: Dom. Express Co., 5.55; Can. Express Co., 16.18 .....	21 73
Freight Charges: G. T. Railway Co., 33.49; C. P. Railway Co., 2.59 .....	36 08

## AGRICULTURE.—Continued.

## MACDONALD INSTITUTE AND HALL.

## Salaries (\$2,691.71).

W. H. Muldrew:	Ten months' salary as	Dean	1,166 00		
M. U. Watson:	Twelve	do	Lady Principal	1,200 00	
K. T. Fuller:	Six	do	Lady Superintendent	350 00	
K. Lyman:	Eight	do	Instructor in Science	600 00	
H. Given:	Twelve	do	do	Domestic Science	800 00
H. Holland:		do	do	do	550 00
Jno. Evans:		do	do	Manual Training	1,200 00
Grace Roberts:	Six	do	Domestic Arts Teacher	357 00	
A. Ross:	Two	do	Lecturer in Physiology	100 00	
J. W. Hagan:		do	Demonstrator in Biology	116 00	
J. M. Kennedy:	Five	do	Housekeeper	187 50	
W. Dougherty:	Three	do	Stenographer	75 00	
M. Johnston:	One	do	do		25 00
M. Adroskie:	Four	do	do		150 00
A. Clark:	Twelve	do	Engineer	528 00	
W. C. Walker:	One	do	Gardener	50 00	
Pay lists: Wages, laundresses, janitors, maids, etc.				1,237 21	

## EXPENSES (\$8,133.09).

Ainsworth & Menzies: Furnishings, 2.20; Bennett & Wright Co.: castings, etc., 2.72	4 92
Brentanos: Books, 4.15; Briggs, Wm.: books, 205.31	209 46
Burger, Wm.: Services, caretaker, 10.00; Buchanan, J.: pen drawings, 5.00;	15 00
Booth, D. H.: Group photo, 1.10; Bond, J. M. & Co.: hardware, 10.24	11 34
Brown Bros.: Manilla paper, 14.10; stationery, 4.50	18 60
Bell Tel. Co.: Messages, 32.45; Bursar: to pay sundries, 9.70	42 15
Clemens, H. A. & Co.: Lumber, 70.27; Cornie, T. A.: painting & papering, 38.70	108 97
Catto, Jno. & Son: Table cloths, 2, 16.00; bath towels, 2, 1.60	17 60
Castner, Curran & Bullitt: Coal, 234 tons, 1,800 lbs., @ 3.50, 822.16; Cloke, J. G.: ink, .50	822 66
Cray, M. F.: Coal, 1 ton, 7.00; blocks, $\frac{1}{2}$ cord, 4.00	11 00
Can. Typewriter Co.: Typewriter supplies, 3.60; C. P. R. Tel Co: telegrams, 1.29	4 89
Collector of Customs: Duty charges, 19.72; duty charges on coal, 125.32	145 10
Can. Express Co.: Charges, 61.15; C. P. Railway Co.: freight charges, 4.36	65 51
Dafoe, M. N.: Floor brushes, 3.25; Dom. Express Co.: charges, 8.10	11 35
Dominion Phelps, Ltd.: Sub. "Good Housekeeping," .75; T. J. Day: staty., etc., 75.32	76 07
Dairy School: Milk and cream, 197.73; butter: 1,276 lbs., 259.24	456 97
Elliott & Son Co.: Wallpaper, 16.20; Educational Pub. Coy: books, .80	17 00
Evans, Jno.: Trav. expenses	10 05
Electric Boiler Compound Co.: Floor oil, 3.40; cotton waste, 3.25	6 65
Freshwater, F.: Services sewing, 26.75; Farmer's Advocate: sub., 1.00	27 75
Fuller, K. T.: Trav. expenses	26 40
Goldie, Jas. Co.: Flour, 118.94; Gunn's Ltd.: bacon & hams, 599 lbs., 70.22	189 16
Globe-Wernicke Co.: Cards for fying, 12.07; Gowdy Bros.: tile, 2.25	20 32
Guelph Cartage Co.: Cartage of coal, 120.96; Gazette Pubg. Co.: sub. 1.00	121 96
Guelph Radial Ry. Co.: Cartage of coal, 30.00; G. N. W. Tel Co.: telegrams, 29.56	59 56
Guelph Steam Laundry: Lanndrying, 24.74; Gummer, H.: Copies of papers, 4.37	29 11
Guelph Light & Power Dept.: Electric light, 116.82; G. T. Ry. Co.: freight charges 13.19	130 01
Herald Ptg. Co.: Advtg., 1.28; Hill, "The Mover": cartage, 15.00	17 28
Hayhoe, R. B. & Co.: Tea, 80.45; Ham. Stamp & Stencil Works: rubber stamps, etc., 2.70	83 15
Hoodless, A.: Trav. exps., 36.65; services re Domestic Science, 400.00	436 65
Horticultural Dept.: Vegetables, 2.15; Hills, Jessie: lesson in laundrying, 24.00	26 15
International Ry. Pubg. Co.: sub	1 00
Kay, Jno. Son & Co.: Rugs, 35.75; Kaiser, L. M.: order books, 7.00	42 75
Kloepfer & Co.: Coal @ 6.75, 114.07; Kennedy, J. M.: trav. exps., 5.75	119 82
Library Supply Co.: Books, 174.11; Law, Jas.: furnishings, 3.80	177 91
Metropolitan Soap Works: Idry. soap, 166 lbs., 11.62; Moore, R. M.: sub., 2.00	13 62
Marshall, P.: Eggs, 72 doz., 15.12; Marriott, Jno.: uniforms, aprons, etc., 35.36	50 48
Morris, Geo. B.: Iron hardware, etc., 237.18; Morlock Bros.: Upholstering, 7.25	244 43



## AGRICULTURE.—Continued.

## MACDONALD INSTITUTE AND HALL.—Continued.

## EXPENSES,—Concluded.

Malcomson, Alex. Y.: Soft coal, 32 tons, 800 lbs., @ 3.55, 115.02; Mitchell, A. M.: cab hire, 3.50	118 52
Murray, W. A. & Co.: Furnishings, 1.80; Muldrew, W. H.: trav. exp., 25.30	27 10
Mills, Jas.: Trav. exps., 119.08; Muldrew, Mrs. W. H.: books, 60.40	179 48
McCrea, J. A.: Sugar, 3,412 lbs., 130.72; starch, 204 lbs., 13.42; sal. soda, 375 lbs., 3.75; soap, 103.80; bowls, 3 doz., 13.50; asst'd crocks, 4 doz., 27.36; matches, 1 case, 4.00; sundries, 496.44; lard, 20 lbs., 2.00; chinaware, 14.42; eggs, 391 doz., 89.29; flour, 1 bbl., 5.25; brooms, 1 doz., 2.40; oranges, 26 doz., 6.80; bkg. powder, 7½ doz., 21.05; gelatine, 6 doz., 9.00; coal oil, 47 gals., 11.28; fruit jars, 51.00; cheese, 78 lbs., 7.41; breakfast foods, 31.40; rice, 100 lbs., 3.50; tapoca, 100 lbs., 3.50; sago, 100 lbs., 4.00; macaroni, 50 pkgs., 5.00; salmon, 8 doz., 10.80; fish, 749 lbs., 71.50; canned vegetables, 58 doz., 56.00; prunes, 150 lbs., 9.00; raisins, 36 lbs., 2.52; peaches, 38.75; currants, 82 lbs., 4.51; extracts, 6.90; potatoes, 126 bags, 124.24; plums, 6.00; coffee, 90 lbs., 28.50; peas, 7.70; biscuits, 4.73	1,431 44
McNaughton, P.: Potatoes, 10 bags, 11.50; McIntosh & Galbraith; printing, etc., 285.35	296 85
Macdonald, D. E. & Bro.: Sundry furnishings, 6.69; McKnight: Services trained nurse, 7.50	14 19
McCredie, A. L.: Preparing copy for press	25 00
Nelles, C. L.: Stationery, etc., 64.47; Nunan, F.: printing & hdg., 53.25	117 72
Ontario Pub. Co.: Sub., "Can. Magazine," 1.67; O. A. C. monthly: Advtg., 4.50	6 17
Occomore, H. & Co.: Iron, tinware, etc., 40.86; O'Donell, M.: carpentering, 42.55	83 41
Ontario Agricultural Seed Co.: Flower pots, .90; Office Specialty Co.: filing cards, etc., 50.75	51 65
Poultry Dept.: Poultry, 12.96; Parisian Laundry: laundrying, 560.33	573 29
Petrie, A. B.: Drugs and chemicals, 1.23; Postmaster; postage stamps, 71.00	72 23
Queen's Quarterly Pub. Com: Sub	1 00
Ryan, G. B. & Co.: Furnishings, 37.67; Ryrie Bros.: stationery, etc., 12.50	50 17
Robants, G.: Trav. exps., 93.00; Russell, H.: eggs, 36 doz., 7.20	100 20
Robertson, A. & Son.: Regg. hydrant.	3 65
Simpson, Robt. Co.: Furnishings, etc., 74.51; Scott & Tierney: stationery, 1.65	76 16
Stewart, Robt.: Lumber, 3.00; Sunley, Wm.: iron, tinware, etc., 9.70	12 70
Stewart, Alex.: Drugs and chemicals, 155.21; Sam Lee King: Laundrying, 31.25	186 46
Sutherland, W.: Books, 4.50; Steinberger, Hendry Co.: Books, supplies, etc., 32.45	36 95
Spectator Ptg. Co.: Advtg., .87; Sundry persons: wages, cleaning, etc., 137.39	138 26
Sundry servants: Refund of fares, 16.95; Standard Vinegar Co.: vinegar, 54 gals., 11.99	28 94
Strong, Isabel: Demonstrator in Dom. Science, 10.00; Singer Mfg. Co.: sewing machine needles, 2.40	12 40
Times Printing Co.: Advtg., 1.05; Tyson, A. W.: meat, 334.96	336 01
United Factories: Brushes, brooms, etc.	90 59
United Typewriter Co.: Typewriter, 115.00; carbon paper, 8.50	123 50
Vannevar & Co.: Books, 3.75; Van Rensselaer, M.: subs. magazines, etc., 16.85	20 60
Williams, Geo.: Sundry groceries, 3.90; Wood-Allen Pub. Co.: books, 4.75	8 65
Watson, M. U.: Trav. expenses	33 95
Young, Jno. B.: stationery, etc.	3 65

(Revenue, \$6,815.40. See Statement No. 7.)

## EXPERIMENTAL FARM AND FEEDING.

## SALARIES (\$4,595.91).

D. Douglas	Twelve months' salary as Foreman	700 00
A. Milne	Ten & one-half do Teamster	359 96
F. Finnegan	Eight & one-half do do	263 76
J. Masson	Twelve do Cattleman	432 00



AGRICULTURE.—Continued.

EXPERIMENTAL FARM AND FEEDING.—Continued.

SALARIES.—Continued.

A. Masson . . . . .	Eight months' salary as	Asst. Cattleman . . . .	280 00
J. Mutrie . . . . .	do	Laborer . . . . .	420 00
G. Collins . . . . .	do	Asst. Herdsman . . . .	136 00
J. Johnston . . . . .	do	Experimental Feeder . .	24 86
Geo. Zinn . . . . .	Eleven & one-half	do	395 43
E. Powell . . . . .	do	Depart'l Stenographer . .	130 00
Pay lists: Wages farm laborers, teamsters, etc. . . . .			1,453 90

EXPENSES (\$12,746.64).

Arkell Saw Mill: Chopping grain, 4.74; Arkell, H. & Son: Exps. <i>re</i> stock, 4.00 . . . . .	8 74
Sundry Assns.: Registration of stock:— . . . . .	
Am. Shropshire Registry Assn., 6.00; . . . . .	
Am. Hereford Record, 9.59; . . . . .	
Am. Galloway Breeders' Assn., 1.28; Am. Aberdeen-Angus Breeders' Assn., 21.50 . . . . .	51 96
Barber, A.: Steers (35), 1,848.54; lambs (3), 21.50 . . . . .	1,870 04
Barber, W. F.: Pigs, (86), 258.00; . . . . .	322 02
Buttar, Thos. A.: Shropshire ewes (2), 64.02 . . . . .	
Bollert, E. & Co.: Sheeting, bags, etc., 9.00; Beattie, Geo.: Regg. harness, etc., 46.70 . . . . .	55 70
Brown, G. W. & Bro.: Regg. roof, 2.10; Bond, J. M. & Co.: Iron hardware, etc., 46.38 . . . . .	48 48
Bruce, John A. & Co.: Seeds, etc., 22.06; Bell Telephone Co.: Messages, 3.30 . . . . .	25 36
Carter, Wm.: Barley, 196 bus., 88.08; oats, 1,051 bus., 367.60 . . . . .	455 68
Cargill, H. & Son: Shorthorn heifers (2), 285.00; Clemens, H. A. Co.: Lumber, 35.39 . . . . .	320 39
Can. Typewriter Co.: Typewriter supplies, 3.75; Cornie, T. A.: Papering, etc., 60.50 . . . . .	64 25
Collector of Customs: Duty charges, 11.80; Can. Express Co.: Charges, 8.55 . . . . .	20 35
C. P. R. Telegraph Co.: Telegrams, .25; C. P. Railway Co.: Freight charges, 23.03 . . . . .	23 28
Dickson, J. R.: Pigs (5), 12.50; Douglas, Jno.: Pigs (7), 23.00 . . . . .	35 50
Day, T. J.: Staty., etc., 7.65; Dom Express Co.: Charges, .60 . . . . .	8 25
Day, G. E.: Trav. exps., <i>re</i> stock, 42.70; trav. exps., to England, 500.00 . . . . .	542 70
Dryden, Hon. J.: Trav. expenses to England . . . . .	200 00
Eureka Mineral Wool & Asbestos Co.: Pipe covering, etc. . . . .	21 95
Ferguson, Col. W. S.: Leicester ewes (5), 123.10; . . . . .	
Leicester ram, 73.66; . . . . .	
Aberdeen-Angus bull, 295.46; Aberdeen-Angus cow and calf, 344.67 . . . . .	837 09
Goldie, Jas. Co.: Bran, 19; tons, 330.00; Middlings, 19 tons, 368.00 . . . . .	698 00
Green, Geo.: Berkshire boar, 25.00; . . . . .	
Gowdy Bros.: Tile, 1.50 . . . . .	25 50
Goldie & McCulloch Co.: Repairs to boiler, 6.50; Guelph Foundry Co.: Castings, 2.22 . . . . .	8 72
Guelph Pavement Co.: Pavement, 141.85; Grant, T. F.: Repairs, 8.50 . . . . .	150 35
G. T. Ry. Co.: Freight charges, 119.62; G. N. W. Tel. Co.: Telegrams, 1.55 . . . . .	121 17
Hunter, W. H.: Hereford bull, 800.00; . . . . .	1,300 00
Hall, Wm.: Horses, 1 team, 500.00 . . . . .	
Hewer, Jas.: Oil cake, 2,400 lb., 34.60; . . . . .	
rock salt, 1,265 lbs., 8.63; . . . . .	
seeds, 12.95; . . . . .	
charcoal, 1.00 . . . . .	57 18
Hooper's Livery Stable: Clipping horse, 1.50; . . . . .	
Hewitt, F.: Sand, 1.00 . . . . .	2 50
Jarvis, H.: Inspection of scales . . . . .	6 00
Krouse, F. W.: Pigs (30), 120.00; . . . . .	
Kennedy, Jno.: Repairs, 1.05 . . . . .	121 05
Mansell, Alfred & Co.: Shropshire ewes (4), 123.10; . . . . .	
Hereford heifers (2), 984.81; . . . . .	
exps. of shipment of 12 sheep and 6 cattle and insurance on same, 306.20 . . . . .	1,414 11
Mundell, J. C. & Co.: Office chair, 9.50; Morris Harness Sup. Co.: Harness repairs, 6.75 . . . . .	16 25
Morris, G. B.: Iron h'd're, etc., 311.88; Morrison, Jas. Mfg. Co.: Reps., castings, &c., 39.60 . . . . .	351 48
Maxwell, D. & Sons: Castings, .39; Miller, R.: Exps. <i>re</i> importation of stock, 229.60 . . . . .	229 99
Massey Harris Co.: Farm implements, 110.75; . . . . .	
repairs, 25.96 . . . . .	136 71
Milne, Alex.: Trav. exps., 1.05; . . . . .	
pigs (13), 52.00 . . . . .	53 05
McCrea, J. A.: Salt, 2 bbls., 2.60; . . . . .	
McConnell, A. M.: Sand, 2.00 . . . . .	4 60
McIntosh & Galbraith: Ptg & staty., 67.60; McConnell's Carriage Works: Repairs, 2.50 . . . . .	70 10
McQueen, Jno.: Corn planter, 55.00; . . . . .	
repairs, 3.70 . . . . .	58 70
Nock, E.: Shropshire ram, 98.48; . . . . .	
Nelles, C. L.: Wall paper, 14.22 . . . . .	112 70
Ont. Agricultural Seed Co.: Seeds, 6.00; . . . . .	
O'Donnell, M.: Carpentering, 122.30 . . . . .	128 30
Occomore, H. & Co.: Repairs . . . . .	23 80
Phillips, R. W.: Regg. water pipe, etc., 6.50; Penfold, S. & G.: Regg. troughs, etc., 44.65 . . . . .	51 15
Postmaster: Postage stamps, . . . . .	25 00
Rennie, Wm.: Seeds, 23.80; . . . . .	
Ryan, G. B. & Co.: Linoleum, 12.90 . . . . .	36 70
Reid & Ross: Blacksmithing, etc., 18.95; . . . . .	
Robertson, A. & Son: Regg. boilers, 10.50 . . . . .	29 45
Rumford, A.: Iron, tinware, etc., .50; . . . . .	
Reed, J. H., V.S.: services & medicines, 14.60 . . . . .	15 10
Smith, A. W.: Ewes (2), 80.00; Simpson, R. Co.: Wall paper, 52.08 . . . . .	132 08

## AGRICULTURE.—Continued.

## EXPERIMENTAL FARM AND FEEDING.—Continued.

## EXPENSES.—Concluded.

Standard White Lime Co.: Lime, 2.74; Smith, F.: Repairs, castings, etc., 44.60....	47 34
Steele, Briggs Seed Co.: Seeds, etc., 139.10; Swift & Co.: Feed for stock, 36.25.....	175 35
Stewart, R.: Lumber, etc., 137.84; Stewart, A.: Drugs, etc., 24.58 .....	162 42
Smith, L. C.: Farm implements, 49.00; Sallows, H. & D.: Horseshoeing, etc., 65.20	114 20
Tolton Bros.: Repairs, 23.05; Toronto & Hamilton Electric Co.: Motor, 70.00 .....	93 05
Taylor & Mackenzie: Repairs, 1.60; Twigg, C. B.: Repairs, 4.80 .....	6 40
White, Alex.: Steers (2), 195.45; White, Geo. & Sons Co.: Threshing Machine, 800.00	995 45
Watson Mfg. Co.: Repairs, 1.00; Wade, H.: Reg. fees, 32.00.....	33 00
Willis, J. D.: Shorthorn heifer, 738.61; Wade, H.: Reg. fees, 32.00.....	33 00
Whitelaw, A. & W.: Exps. re stock, 14.00; steer (1), 50.00 .....	64 00
Wortman & Ward Co.: Repairs, .34; Waterous Engine W'ks Co.: Repairs to eng., 23.70	24 04
(Revenue, \$4,651.95. See Statement No. 7.)	

## FIELD EXPERIMENTS.

## SALARIES (\$7,316.05).

C. A. Zavitz..... Twelve months' salary as Director .....	1,900 00
W. J. Bell ..... Five & one-half do Assistant Director .....	279 50
W. J. Squirrell ..... Six do do .....	300 00
J. Buchanan ..... do Demonstrator Field Husbandry .....	500 00
do ..... do Specialist Plant Breeding .....	350 00
W. J. Squirrell ..... do do do .....	35 00
M. Laughlin ..... Ten do Stenographer .....	281 10
M. Anderson ..... One do do .....	26 00
A. E. Whiteside ..... Twelve do Foreman .....	700 00
A. Cumming ..... do Teamster .....	420 00
D. Luttrell ..... Five & one-half do do .....	192 50
G. Bard ..... Twelve do Laborer .....	387 30
M. Macdonald ..... One do Stenographer .....	23 33
Pay lists: Wages, laborers, etc. ....	1,656 32

## EXPENSES (\$2,103.49).

Anderson, E. I.: Services stenographer, 16.00; Anderson, C. & Co.: Staty., .55.....	16 55
American Abell Engine & Thresher Co.: Repairs. ....	3 00
Beattie, Geo.: Harness repairs, 11.65; Briggs, Wm.: Staty., 8.50 .....	20 15
Baker, R. G.: Photo supplies, .95; Bollert, E. R. & Co.: Sheetting, 1.45 .....	2 40
Bond, J. M. & Co.: Iron hardware, etc., .30; Bell Tel. Co.: Messages, .55 .....	85
Clemens, H. A. & Co.: Lumber, etc., 41.60; Can. Typewriter Co.: Typewriter sup., 9.75	51 35
C. P. Railway Co.: Freight charges, 9.63; Can. Express Co.: Charges, 23.45 .....	33 08
Collector of Customs: Duty charges .....	14 57
Day, T. J.: Staty., postage stamps, etc., 51.00; Dom. Express Co.: Exp. charges, 21.86	72 86
Eureka Planter Co.: Drill & hoes, 9.20; Eureka Mfg. Co.: Grain grader, 30.00 .....	39 20
Guelph Light & Power Dept.: Pole line, wiring switches, etc., 89.07;	
repairs, 3.50 .....	92 57
Guelph Paper Co.: Twine & envelopes, etc., 14.76; Guelph Foundry Co.: Castings, 2.21	16 97
G. T. Railway Co.: Freight charges .....	21 59
Hurdall, F.: Photos, 1.60; Home, Robt.: Table cover, 7.00 .....	8 60
Hewer, Jas.: Furnishings .....	16 50
Johnston, R.: Bags (200), 10.00; Jones Bros. & Co.: Office desk, 35.00 .....	45 00
Luttrell, D.: Driving wagonette .....	8 25
Morris, G. B.: Iron hardware, etc., 63.81; Milne, Mrs. A.: Making bags, 3.45 .....	67 26
Morrison, Jas. Brass Mfg. Co.: Electrical fittings, 25.56; Mundel, Jno. C. & Co.:	
chairs (4), 24.50 .....	50 06
Massey Harris Co.: Thistle cutters & cultivator .....	32 30
Macdonald, D. E. & Bro.: Duck & cotton, 31.22; McKenzie, Duncan: Horseshoeing, 16.50	47 72
Nelles, Chas. L.: Stationery, tags, etc. ....	2 80
O'Donnel, M.: Carpentering, 21.05; Occomore, H.: Reprg. furnace, etc., 9.35 .....	30 40
Ont. Agricultural Seed Co.: Pop corn .....	1 15

AGRICULTURE. *Continued*

FIELD EXPERIMENTS.—*Continued.*

EXPENSES.—*Concluded.*

Penfold, S. & G.: Wheelbarrow, 3.50; Potter, Mrs. S.: Wax models, 68.62	72 12
Runstedler, A.: Brush, 2.00; Ryan, G. B. & Co.: Cotton, etc., 5.91	7 91
Reed, J. H., V.S.: Pro services and medicines	1 60
Sundry persons: Manure, 75.50; Savage, B. A.: Harrows, plow & scuffer, 50.00	125 50
Spramotor Co.: Repairs, .75; Stewart, R.: Lumber, etc., 71.59	72 34
Stewart, A.: Drugs, etc., 7.76; Smith, F.: Closet, 20.00	27 76
Scott & Tierney: Stationery	29 60
Sundry persons: Seeds:—W. H. Maule, 5.22; Steele, Briggs Seed Co., 24.71;	
H. Morton, 6.60; T. Teasdale, 11.10; J. M. Thorburn & Co., 2.62;	
Jno. A. Bruce & Co., 34.32; Wm. Rennie, 23.71; Jas. Hewer & Son, 27.99;	
H. W. Buckbee & Co., 7.97; Daniels Bros., 14.61; Peter Henderson & Co., 1.87;	
Sutton & Sons, 11.77; D. M. Ferry & Co., 6.35; A. H. Lapp, 6.40;	
J. M. T. Curry, 8.45; Geo. Keith, .20; Huntingdon & Page, .26;	
L. L. Olds, .36; J. H. Gregory & Sons, 2.51; W. A. Paterson, 19.00;	
Geo. A. Sexsmith, 3.70; E. M. Zavitz, 11.45; Jas. Hunter, 30.64;	
Jas. Carter & Co., 11.06; J. A. Simmers, 1.35; C. S. Clarke, 15.37;	
Robt. Evans Seed Co., .85; F. B. Mills, 3.00; Currie Bros., .33;	
Wm. Ewing & Co., 1.25; Vaughan's Seed Store, 1.00; W. A. Burpee & Co., 2.35;	
Ford Seed Co., 1.76; D. Landrith Seed Co., 3.72; Jno. A. Salzer Seed Co., 2.15;	
Darch & Hunter, 2.89; H. N. Hammond Seed Co., 1.90; Livingstone Seed Co., .65;	
Jas. Vicks Sons, 1.29; T. W. Wood & Sons, 1.60; Johnson & Stokes, 2.45;	
J. A. Everitt, .80; L. L. May & Co., 1.20; Northrup, King & Co., 2.50;	
E. F. Dibble, .51; W. W. Barnard & Co., .40; G. W. P. Jerrard Co., 1.00;	
Iowa Seed Co., 1.35; H. A. Dreer, .93; F. H. Brunning, 4.87;	
Jos. Harris Co., .90; Ont. Agricultural Seed Co., 10.75; G. J. Thorp, 29.06;	
C. Dooley, 4.00; J. Tweedle, 8.00; A. Kirsche, .72;	
G. A. Sexsmith, 6.00; F. B. Stevens & Co., 2.40	397 17
Toronto & Ham. Electric Co.: Motor, 300.00; Tolton Bros.: Repairs, 2.10	302 10
United Typewriter Co.: Typewriter	100 00
Whiteside, A.: Special services plant breeding, 60.00; Waters Bros.: Staty., etc., 1.91	61 91
Zavitz, C. A.: Trav. expenses to St. Louis, 50.30; Zavitz, S. P.: Horse, 160.00	210 30

EXPERIMENTAL DAIRY.

SALARIES (\$1,990.13.)

G. Taylor: Seven and one months' salary as Foreman and Buttermaker	375 00
G. E. Knight: Four and one-half do Asst. Buttermaker	161 50
R. W. Stratton: Seven and one-half do Cheesemaker	425 02
J. Montgomery: do do Engineer	247 50
G. Wilter: Six do Cattleman	216 00
C. S. Wood: Four and one-half do do	162 00
E. Frew: Eight do Stenographer (part time)	144 00
Pay Lists: Wages, laborers, etc.	259 11

EXPENSES (\$12,320.61).

Am. Jersey Cattle Club: Registering Stock, 8.06; Amos, Thos.: oats, 66 bu., 19.80	27 86
Anderson, C. & Co.: Stationery, 2.50; Ayer, A. A. & Co.: chemicals, .80	3 30
Ballantyne Dairy Supply Co.: Dairy supplies, 13.05; Bond, J. M. & Co.: iron, hardware, etc., 101.42	114 47
Beattie, Geo.: Repp. harness, 3.90; Bell Tel. Co.: Messages, 1.00	4 90
Castner, Curran & Bullitt: Coal, 66 tons @ 4.30, 283.80; 70 tons, 1,200 lbs. @ 3.50, 247.10	530 90
Commercial Oil Co.: Cyl oil, 26 gals., 21.55; Can. Typewriter Co.: stencil paper, 2.00	23 55
Can. Salt Co.: Salt 12 bbls. 15.70; Can Oil Co.: metal polish, 1 doz, 4.25	19 95
Clemens, H. A. & Co.: Lumber, 18.04; C. P. Railway Co.: freight charges, 22.53	40 57
Can. Express Co.: Exp. charges, 19.10; Creamery Package Co.: dairy supplies, 2.24	21 34
Collector of Customs: Duty charges, 13.18; duty charges on coal, 73.24	86 42
Day, T. J.: Stationery, 2.60; Derbyshire D. & Co., repairs, .75	3 35



## AGRICULTURE.—Continued.

## EXPERIMENTAL DAIRY.—Continued.

## EXPENSES.—Concluded.

Dentonia Park Farm: Jersey heifers, 2, 500.00; Dean, H. H., trav. exps., 3.30 .....	503 30
De Laval Separator Co.: Pulley, treads, repairs, etc., 20.92; Dom. Express Co.: exp. charges, 4.82 .....	25 74
Eureka Mineral Wool & Asbestos Co.: Pipe covering .....	28 04
Electric Boiler Compound Co.: Packing, 14 lbs., 15.70; boiler compound, 908 lbs., 54.48; oil, 5 gals., 1.75; belt dressing, 6 lbs., 3.00 .....	74 93
Farming World: Advertising, .90; Garlock Packing Co.: packing 5.63 .....	6 53
Goldie, Jas. Co.: Bran, 8 tons, 135.00; Goldie & McCulloch Co.: valves, 4.50 .....	139 50
Guelph Pavement Co.: Cement floor, 296.24; Guelph Light and Power Co.: fire boiler, 8.25 .....	304 49
Guelph Ice Co.: Ice, 11.87; Guelph Soap Co.: soda, 4.48 .....	16 35
Guelph Cartage Co.: Cartage of coal, 55.75; lime and sand, 3.50 .....	59 25
Guelph Foundry Co.: Castings, 2.21; G. T. Railway Co.: freight charges, 19.73 .....	21 94
Holstein-Friesian (Assn.): Reg. stock, 7.00; Hanlon Mrs.: oats, 91 bu., 29.24 .....	36 24
Hewer, Jas.: Rock salt, 2,045 lbs., 14.30; oil cake, 2,000 lbs., 28.00; hay, 2.34 .....	44 64
Jarvis, H.: Inspection of scales .....	5 00
Kennedy, Jno.: Lime, tile, etc., 15.40; Keil, W. L.: laces, .20 .....	15 60
Kroeschell Bros. Co.: Valves, 3.44; Knight, G. E.: bed and mattress, 2.00 .....	5 44
London Machinery Co.: Repairs .....	1 70
Mahoney Bros.: Reprg. Closet, 3.30; Morrison, Jas., Mfg. Co.: castings, repairs, etc., 87.31 .....	90 61
Morris, G. B.: Iron, hardware, etc., 43.31; Mason, Wm.: oats, 267 bu., 85.68 .....	128 99
Mitchell, R.:Furnishings, 1.65; Mallory, F. R.: trav. exps., 2.00 .....	3 65
McQueen, J.: Oats, 68 bu., 21.23; McIntosh & Galbraith, order book, 2.75 .....	23 98
McAllister, Geo.: Saw dust, 13.50; McLean & Dawson: repairs, 2.30 .....	15 80
McKenzie, D.: Horseshoeing, 4.00; O'Donnell, M.: carpentering, 37.00 .....	41 00
Occomore, H. & Co.: Repairs, 21.51; Pringle, G. D.: rubber stamps, 3.25 .....	24 76
Present, E. J.: Chopping feed, 9.00; Postmaster: postage stamps, and cards, 22.00 ..	31 00
Rennie, Wm.: Dairy supplies, .50; Richardson, C. & Co.: furnishings, 3.45 .....	3 95
Reed, J. H., V.S.: Pro. services and medicines, 1.25; Rumford, A.: repairs, 2.55 .....	3 80
Reid & Ross: Repairs, 8.25; Robertson, A. & Son: repp. steam trap, 9.45 .....	17 70
Robertson, Jas. Co.: Castings, repairs, etc., 36.64; Ryan, Jas.: exps., buying grain, 1.75 ..	38 39
Standard White Lime Co.: Lime, 7.01; Stevely, Wm. & Son: Milk cans, 60.50 .....	67 51
Smith, F.: Repairs, 2.30; Smith, W. H.: oats, 206 bu., 69.10 .....	71 40
Stewart, R.: Lumber, 2.04; Stewart, A.: drugs, 19.78 .....	21 82
Steinhoff, I. W.: Trav. expenses, 4.00; Sundry persons: Milk suplied, 9,201.00 .....	9,205 00
Toronto Liquid Carbonate Co.: Chemicals, 40.00; Taylor & McKenzie: repairs, 26.45 ..	66 45
Toronto & Hamilton Electric Co.: Motor, 140.00; Taylor Bros., brick and stone, 34.00 ..	174 00
Taylor-Forbes Co.: Sharpening mowers, 1.95; United Typewriter Co.: repairs, 5.40 ..	7 35
Wade, H.: Reg. stock, 1.50; Weekly Sun: advertising, 6.00 .....	7 50
Waterous Engine Works Co.: Engine .....	100 00
Waddell, A. & Co.: Parchment paper .....	10 65

(Revenue, \$11,573.61. See Statement No. 7.)

## CENTRAL DAIRY SCHOOL.

## SALARIES (\$1,954.99).

E. W. Stratton:	Four and one-half months' salary as	Instructor, Cheesemaking	325 00
Alex. McKay:	Three do	Asst do do	210 00
J. A. McFeeters:	Three and one-half do	Instructor, Separators ..	280 00
C. W. McDougall:	One-half do	do Buttermaking.	25 00
Wm. Waddell:	Three do	do do ..	240 00
C. E. Ferguson:	One-half do	do do ..	17 50
Laura Rose:	Three do	do Farm Dairy .....	225 00
H. Rive:	do	Asst. do do .....	150 00
J. B. Smith:	do	Engineer .....	150 00
A. Griffin:	One-half do	do .....	17 50
J. Montgomery:	Four and one-half do	Janitor .....	148 50
E. Frew:	Four do	Stenographer (part time) ..	72 00
Pay Lists: Wages, laborers, etc. ....			94 49



## AGRICULTURE.—Continued.

## CENTRAL DAIRY SCHOOL.—Concluded.

EXPENSES (\$8,443.27).

Ayrshire Breeders' Assn.: Membership fees .....	2 00
Ballantyne Dairy Supply Co.: Dairy appliances, 30.36; Bond, J. M. & Co.: iron, hardware, etc., 14.87 .....	45 23
Castner, Curran & Bullitt: Coal, 85 tons @ 4.30 .....	368 30
Clemens, H. A. & Co.: Lumber, 51.10; Can. Typewriter Co.: neostyle supplies, 6.85 .....	57 95
Creamery Package Mfg. Co.: Dairy appliances .....	8 41
Collector of Customs: Duty charges, 4.35; duty chgs. on coal, 69.30 .....	73 65
Can. Express Co.: Express charges, 13.60; C. P. Railway Co.: freight charges, 1.49 .....	15 09
Darch & Hunter: Parchment paper, 25.00; Dempsey Bros., papering & painting, 32.25 .....	57 25
Dean, H. H.: Trav. expenses, 18.20; Dairymen's Assn: advtg., 10.00 .....	28 20
Day, T. J.: Stationery, 8.23; Dodge Mfg. Co.: rope, 46.26 .....	54 49
De Laval Separator Co.: Dairy appliances, 5.45; Derbyshire D.: exps., re opening day, 5.00 .....	10 45
Duncan, Geo.: Whitewashing, 19.00; Dom Express Co.: exp. charges, .55 .....	19 55
Electric Boiler Compound Co.: Cyl oil, 20.00; packing, 6.00 .....	26 00
Fairmont Coal Co.: Coal 41½ tons, @ 3.75, 155.63; less freight, 91.93 .....	63 70
Guelph Pavement Co.: Cement floor, 300.00; Guelph Cartage Co.: cartage of coal, 44.99 .....	344 99
Guelph Soap Co.: Soap, 3.50; Gummer, H.: advtg., 3.00 .....	6 50
Grip "Ltd": Printing, 7.88; G. N. W. Tel. Co., telegrams, .50 .....	8 38
G. T. Railway Co.: Freight chgs. on coal, 92.27; freight charges, 9.71 .....	101 98
Hansen's Laboratory: Dairy appliances, .75; Hurndall, F.: photo supplies, 10.00 .....	10 75
Harvie, A. F.: Exps. re opening day, 8.00; Holman, J.: painting, 54.75 .....	62 75
Kuhl, R. J.: Trav. expenses, 2.50; Kennedy, P. B.: photos, .75 .....	3 25
Kroeschell Bros. Ice Machine Co.: appliances and repairs .....	33 29
Morris, G. B.: Iron hardware, etc., 71.23; Moldenhawer, J.: books, 1.50 .....	72 73
McIntosh & Galbraith: Butter paper, 15.00; advtg., 1.60; printing circulars, 65.20 .....	82 40
Nettleton, J.: Instructor in cheesemaking, 40.00; Nafis, L. F. & Co.: dairy appliances, 43.80 .....	83 80
O'Donnell, M.: Carpentering, 1.85; Occomore, H. & Co.: repairs, 6.05 .....	7 90
O. A. C. Review: Advtg., 7.50; Pike, D. Co.: shipping tent, 2.50 .....	10 00
Postmaster: Postage stamps, 31.00; Royal City Bottling Works: chemicals, 3.75 .....	34 75
Reeves Pulley Mfg. Co.: Pulley, 1.14; Rothwell, R. A.: trav. expenses, 3.70 .....	4 84
Richardson, C. & Co.: Churn, 140.00; appliances, 2.25 .....	142 25
Rose, Laura: Services, instructor buttermaking .....	57 00
Standard White Lime Co.: Lime, .25; Stewart, A., drugs, 6.90 .....	7 15
Stevely, Wm. & Son; Milk cans, 15.75; sundry persons, milk supplied, 6,452.43 .....	6,468 18
Steinhoff, I. W.: Trav. expenses .....	4 00
Taylor & McKenzie: Repairs, 20.66; Toronto Liquid Carbonate Co.: chemicals, 10.00 .....	30 66
United Typewriter Co.: Typewriter and Neostyle supplies .....	11 45
Woodward, A. W.: Exps. judging cheese and butter, 23.00; Welch, Jno.: cab hire, 1.00 .....	24 00

(Revenue, \$4,766.37. See Statement No. 7.)

## POULTRY DEPARTMENT (\$2,403.04).

E. Frew: Twelve months' salary as Stenographer (part time) .....	108 00
Pay lists: Wages, laborers, etc. ....	348 41
Anderson, C. & Co.: Stationery .....	11 42
Bond, J. M. & Co.: Hardwarae, .15; Barclay, Jno.: poultry feed, 110.48 .....	110 63
Carter, Wm.: Poultry feed, 251.32; Cray Oil Co.: coal oil, 190 gals., 43.70 .....	295 02
Cray, M. F.: Coal, 2 tons, 300 lbs. @ 6.75, 14.51; Clemens, H. A. & Co.: lumber, 19.15 .....	33 66
Cyphers Incubator Co.: Books, 8.40; Can. Typewriter Co.: typewriting supplies, 3.00 .....	11 40
Cornie, T. A.: Painting & papering, 100.00; C. P. Railway Co.: freight charges, 1.17 .....	101 17
Can. Express Co.: Exp. charges, 18.15; Coll. of Customs, duty charges, 8.20 .....	26 35
C. P. R. Tel. Co.: Telegrams, .25; Day, T. J.: stationery, 5.13 .....	5 38
Daniels, C. J.: Repairs and furnishings, 10.50; thermometers, 1 doz., 4.10; hatcher, 6.00; poultry feed, 9.00 .....	29 60
Dom. Express Co.: Exp. charges, 7.92; Eimer & Amend, gas holder, 19.25 .....	27 17
Evans, Robt., Seed Co.: Brooder stoves .....	2 50
Guelph Ice Co.: Ice, 7.87; Groom, Jno.: repairs, .40 .....	8 27

## AGRICULTURE.—Continued.

## POULTRY DEPARTMENT.—Concluded.

Guelph Cartage Co.: Cartage of coal, 4.10; G. N. W. Tel. Co.: telegrams, 1.51	5 61
G. T. Railway Co.: Freight chgs., 16.11; freight chgs., on coal, 9.67	25 78
Hales, A.: Poultry feed, 53.65; Hewer, Jas.: Poultry feed, 218.38	252 03
Howitt, J.: Sand	2 00
Kennedy, Jno.: Coal, 4-950 tons at 6.75	30 72
Kloepfer & Co.: Coal, 9 tons, at 5.20	46 80
Morgan, A. J.: Poultry feed, 42.50; furnishings, 36.70; incubator, 8.75; brooders, 14.00	101 95
Morris, G. B.: Iron hardware, etc., 51.08; Macdonald, D. E. & Bro.: Furnishings, 4.94	56 02
McCrea, J. A.: Brooms, $\frac{1}{2}$ doz., 1.25; McIntosh & Galbraith: Ptg. & staty., 46.00	47 25
Ont. Agricultural Seed Co.: Egg crates, 2.00; seeds, 15.20	17 20
O'Donell, M.: Carpentering, 11.40; Presant, E. J.: Chopping feed, .18	11 58
Postmaster: Postage stamps, 33.00; Rumford, A.: Repairs, 2.15	35 15
Swift & Co.: Poultry feed, 17.50; Sutherland, Jno.: Poultry feed, 42.00	59 50
Stewart, A.: Drugs, etc., 11.77; Stewart, R.: Lumber, 4.63	16 40
Sprouted Food Co.: Sprouting machine, 20.00; Sunley, Wm.: Repairs, 12.10	32 10
Standard White Lime Co.: Lime	1 47
Sundry persons: Poultry & setting eggs.—F. W. Krouse, 37.73; Scanlon Bros., 3.00;	
C. J. Daniels, 4.00; Thos. Brown, 63.31; J. M. Chustup, 9.44; J. Gordon, 5.43;	
J. E. Mounce, 39.13; W. H. Fielding, 15.76; Thos. Shea, 13.00; S. D. Furminger, 6.00;	
Jas. Philpot, 15.00; Col. McCrea, 29.16; C. McDougall, 20.00; Jas. Starkey, 12.32;	
R. M. Hobson, 13.56; J. H. Warrington, 5.00; H. McNally, 3.92; L. H. Baldwin, 24.16;	
M. Dodds, 6.30; A. G. Goodacre, 5.00; Jno. S. Martin, 10.00; H. A. Hagen, 6.00;	
W. J. Bell, 10.00; H. McDougall, 16.88; W. Stagg, 32.50; D. McCrea, 6.75;	
A. L. Laing, 2.60; Alex. Smith, 5.95; Geo. Peir, 55.00; J. D. Clark, 8.32;	
J. McRobbie, 3.92; D. J. McLean, 9.36; M. McNaughton, 7.28; M. Laird, 4.72;	
F. Law, 3.30; H. Leadley, 2.73; T. Burton, 6.12; Alex. Young, 6.00	528 65
Thorp, Geo. J.: Poultry feed, 1.80; Taylor-Forbes Co.: Repp. mowers, .75	2 55
Taylor & McKenzie: Repairs, 2.10; United Typewriter Co.: Supplies, 9.20	11 30
(Revenue, \$906.68. See Statement No. 7.)	

## HORTICULTURAL DEPARTMENT.

## SALARIES (\$4,094.02).

W. Squirrell.....Twelve months' salary as Gardener and Foreman ..	750 00	
W. Hunt .....	do Florist .....	650 00
W. Wells .....	do Asst. Florist .....	450 00
J. McGillivray .....	do Teamster .....	407 12
Geo. Ritchie .....	Nine do .....	315 00
A. W. Bruce .....	Twelve do Stenographer (part time)	75 00
Pay lists: Wages, laborers, etc.		1,446 90

## EXPENSES (\$2,683.31).

Anderson, C. & Co.: Stationery	3 60
Bond, J. M. & Co.: Iron hardware, etc., 20.59; Bollert, E. R. & Co.: Furnishings, 7.36	27 95
Beattie, Geo.: Repp. harness, etc., 7.40; harness, 44.00; horse blankets, 1 pr., 4.50	55 90
Brydges, Wm.: Coal, 1-1725 tons, at 7.00, 13.00; Belknap Wagon Co.: Wagon, 30.00	43 00
Crowe's Iron Works: Grates, etc., 9.70; Clemens, H. A. & Co.: Lumber, 15.29	24 99
Cray, M. F.: Coal, 6-90 tons, at 6.75, 40.81; Collector of Customs: Duty charges, 22.73	63 54
Can. Express Co.: Charges	3 30
C. P. Ry. Co.: Freight charges, 4.61; freight charges on coal, 18.68	23 27
Day, T. J.: Stationery, 16.43; Dom. Express Co.: Charges, 12.73	29 16
Electric Boiler Compound Co.: Eng. oil, 25 gals., 12.50; Eureka Planter Co.: Hoes, 1.85	14 35
Foster Pottery Co.: Flower pots, 21.16; Guelph Cigar Co.: Tobacco stems, 3.95	25 11
Guelph Paper Co.: Stationery, etc., .59; Guelph Radial Ry. Co.: Cartage of coal, 3.11	3 70
Guelph Light & Power Co.: Elect. light, 27.16; Guelph Teaming Co.: Teaming gravel, 6 00	33 16
Guelph Foundry Co.: Castings, 2.21; Gurney Foundry Co.: Boiler brushes, 12.00	14 21
G. T. Railway Co.: Freight charges, 20.04; freight charges on coal, 9.63	29 72
Groom, Jno.: Repairs, .80; Glover, W. T.: Berry boxes, crates, etc., 46.00	46 80
Hilborn, W. W.: Melons, 1.50; Hewer, Jas.: Tallow, .25	1 75
Howitt, J.: Sand, 1.50; Hutt, H. L.: Trav. expenses, 8.75	10 25
Infallible Exposure Meter Co.: Furnishings	30

AGRICULTURE.—*Concluded.*HORTICULTURAL DEPARTMENT.—*Concluded.*EXPENSES.—*Concluded.*

Kennedy, Jno.: Coal, 35-1240 tons at 6.00, 208.32;	51-700 tons at 6.35, 199.07;	
33-1315 tons at 6.75, 227.21;	Pipe, tile, etc., 22.35.....	656 95
Kloepfer & Co.: Coal, 8-1160 tons at 6.75, 57.95;	27-1000 tons at 5.20, 143.00.....	200 95
Morris, G. B.: Iron hardware, etc., 53.44;	Massey Harris Co.: Repairs, .25 ....	53 69
Morrison, Jas., Brass Mnfg. Co.: Castings, repairs, etc. ....		6 90
Morris Harness & Stable Supply Co.: Repairing harness .....		1 50
McCrea, J. A.: Plates, 7 doz., 5.95;	Sundries, .25.....	6 20
McLean & Dawson: Repp. lawn mowers, 16.50;	McAllister, Jno.: Horses, 1 team, 360.00	376 50
McIntosh & Galbraith: Ptg. stationery, etc.....		16 50
New Jersey Moss and Peat Co.: Peat.....		4 50
O'Donnell, M.: Carpentering .....		10 90
Pringle, G. D.: Photo supplies, 32.85;	Postmaster: Postage stamps, 26.00 ...	58 85
Potter, Mrs. Stanley: Wax models of fruit.....		366 74
Quaker City Rubber Co.: Hose, 200 feet.....		24 00
Robertson, A. & Son: Repairs, .80;	Reid & Ross: Repairs, 5.25....	6 05
Reed, J. H., V.S.: Pro. services and medicines, 2.35;	Runstedler, A.: Brush, 2.00	4 35
Stewart, A.: Drugs, etc., 25.15;	Stewart, Robt.: Lumber, 8.87.....	34 02
Sallows, H. & D.: Horseshoeing, 13.49;	Sunley, Wm.: Repairs, 1.00.....	14 49
Sundry persons: Manure, 90.75;	Picking fruit, 28.38.....	119 13
Spraymotor Co.: Nozzle & valve, 4.13;	Steele, Jas.: Waste paper baskets, 6.00;	10 13
Smith, E.: Ladders .....		4 50
Sundry persons: Plants, seeds, etc.—Steele, Briggs Seed Co., 20.63;	Sutton & Sons, 8.70;	
Jno. A. Bruce & Co., 18.40;	Wm. Rennie, 5.25;	H. A. Dreer, .64;
Nathan Smith & Son, 11.00;	J. A. Simmers, 23.56;	R. & J. Farquhar & Co., 3.33;
Peter Henderson & Co., 1.28;	W. Burpee & Co., 1.85;	H. Dale, estate, 5.75;
L. Burbank, 2.50;	J. M. Thorburn & Co., 22.91;	Barr & Sons, 20.43;
E. D. Smith, 27.80;	E. B. Stevenson, 3.60;	Ont. Agric'l Seed Co., 1.00;
Jas. Hewer, 25.85;	T. C. Thurlow, 5.00.....	209 43
Taylor-Forbes Co.: Sharp'g mowers. repairs, etc., 24.20;	Taylor & McKen'ie: Rep's. 4.75	28 95
United Typewriter Co.: Stencil paper .....		1 50
Waters Bro.: Pictures and frames .....		7 45

(Revenue, \$2.65. See Statement No. 7.)

## MECHANICAL DEPARTMENT (\$901.05).

E. A. Crawford: Twelve months salary as Mechanical foreman .....	750 00
Bond, J. M. & Co.: Iron hardware, etc., 6.35;	Can. Express Co.: Charges, .60..
	6 95
G. T. Railway Co.: Freight charges .....	74
Guelph Light and Power Dept.: Wire screws, etc .....	3 63
Morris, G. B.: Iron hardware, tools, etc.....	79 63
MacGregor, Gourlay Co.: Mitre machine .....	28 50
Occomore, H. & Co.: Repairs.....	1 65
Vokes Hardware Co.: Hardware tools, etc.....	29 90

Total Agriculture ..... 8446,645 97

## HOSPITALS, CHARITIES, SANITARY INVESTIGATIONS, ETC.

## HOSPITALS' AND CHARITIES (\$228,024.37).

## The Treasurer:—

General Hospital, Toronto, 12,977.06;	Grace Hospital, Toronto, 2,531.08;
Sick Children's Hospital, Toronto, 7,361.50;	St. Michael's Hospital, Toronto, 8,417.07;
Western Hospital, Toronto, 4,256.85;	Orthopedic Hospital, Toronto, 1,934.74;
St. Joseph's Hospital, Hamilton, 1,492.94;	General Hospital, Kingston, 3,149.26;
Hotel Dieu Hosp., Kingston, 5,366.44;	General Protestant Hosp., Ottawa, 2,608.77;
Roman Cath. Hosp., Ottawa, 4,686.11;	Misericorde Maternity Hosp., Ottawa, 1,317.94;
Sick Children's Hospital, Ottawa, 453.03;	Maternity Hospital, Ottawa, 391.72;
St. Luke's Hospital, Ottawa, 2,653.21;	General Hospital, London, 3,607.91;



HOSPITALS AND CHARITIES, ETC.—*Continued.*HOSPITALS AND CHARITIES.—*Continued.*

## The Treasurer

St. Joseph's Hosp., London, 616.19;	General and Marine Hosp., St. Catharines, 800.97;	
Galt Hospital, Galt, 625.04;	General Hospital, Guelph, 2,896.44;	
St. Joseph's Hospital, Guelph, 1,200.38;	General Hospital, Pembroke, 1,369.06;	
General Hospital, Mattawa, 445.06;	J. H. Stratford Hospital, Brantford, 818.03;	
St. Joseph's Hosp., Port Arthur, 1,448.99;	Belleville Hosp., Belleville, 935.46;	
St. Vincent de Paul Hospital, Brockville, 2,694.57;	General Hosp. Brockville, 1,445.49;	
General & Marine Hosp., Collingwood, 567.12;	Nichol's Hosp, Peterboro, 923.38;	
St. Joseph's Hospital, Peterboro, 1,304.55;	Hotel Dieu Hospital, Windsor, 135.24;	
St. Joseph's Hospital, Chatham, 837.44;	General Hospital, Chatham, 1,770.32;	
General Hospital, Stratford, 411.98;	Amasa Wood Hospital, St. Thomas, 129.67;	
General & Marine Hosp., Owen Sound, 312.96;	General Hospital, Sudbury, 456.54;	
St. Joseph's Hospital, Sudbury, 920.65;	General Hospital, Hurtsville, 1,051.26;	
Huntsville Hospital, Huntsville, 1,071.98;	Woodstock Hospital, Woodstock, 663.95;	
Berlin & Waterloo Hospital, Berlin, 557.61;	General Hospital, Sarnia, 1,191.3;	
Royal Victoria Hospital, Barrie, 715.21;	Hotel Dieu Hospital, Cornwall, 2,347.90;	
Gen. Hosp., Cornwall, 1,397.56;	National Sanatorium, Hosp., Gravenhurst, 5,351.64;	
General Hospital, Rat Portage, 623.12;	St. Joseph's Hospital, Rat Portage, 202.54;	
General Hospital, Parry Sound, 389.11;	General Hosp. Sault Ste. Marie, 2,142.33;	
Victoria Hospital, Renfrew, 301.87;	Victorian Hospital, Thessalon, 181.97;	
Royal Alexandra Hospital, Fergus, 1,619.50;	Ross Memorial Hosp., Lindsay, 550.89;	
The Cottage Hosp., Pembroke, 224.61;	J. McKellar Mem. Hosp., Fort William, 174.18;	
City Hospital, Hamilton, 2,269.31;	House of Industry, Toronto, 3,225.74;	
House of Providence, Toronto, 11,218.20;	Home for Incurables, Toronto, 3,059.63;	
St. John's Hospital, Toronto, 896.85;	The Church Home, Toronto, 613.55;	
Old Folk's Home, Toronto, 673.82;	Good Shepherd Female Refuge, Toronto, 2,079.68;	
Aged Women's Home, Toronto, 1,404.27;	House of Refuge, Hamilton, 2,352.28;	
Home for Aged Women, Hamilton, 893.97;	St. Peter's Home, Hamilton, 614.39;	
House of Industry, Kingston, 1,039.85;	House of Providence, Kingston, 4,872.91;	
Home for Friendless Women, Kingston, 139.38;	R. C. House of Refuge, London, 2,646.7	
Convalescent Home, Toronto, 352.04;	The Haven, Toronto, 1,709.82;	
Aged Men's Home, Toronto, 605.78;	Home for Aged People, London, 1,807.40;	
Convalescent Home, London, 121.89;	Home for Incurables, London, 541.03;	
St. Patrick's Refuge, Ottawa, 2,582.58;	St. Charles' Hospice, Ottawa, 4,249.25;	
Home for Aged, Ottawa, 877.17;	Refuge Branch Orphan's Home, Ottawa, 490.55;	
Home for F'dless W'n, Ottawa, 871.73;	Ref. of Our Lady of Charity, Ottawa, 4,282.99;	
Home for Incurables, Ottawa, 516.95;	House of Providence, Guelph, 1,647.98;	
The Thos. Williams Home, St. Thomas, 416.99;	House of Providence, Dundas, 3,512.74;	
Home for the Friendless, Chatham, 327.53;	The Widow's Home, Brantford, 299.18;	
Home for the Friendless, Belleville, 208.88;	The Protestant Home, Peterboro, 475.30;	
House of Providence, Peterboro, 1,088.60;	Home for the Friendless, Windsor, 543.55;	
Home for the Aged & Infirm, Cobourg, 155.68;	Home for the Aged, Lindsay, 471.38;	
St. Paul's Home for the Aged, Cornwall, 1,279.95;		
	Home for the Aged and Infirm, Bowmanville, 235.34;	
Roman Catholic Orphan Asylum, Toronto, 2,240.06;	Girls' Home, Toronto, 670.60;	
Boys' Home, Toronto, 512.18;	The Working Boys' Home, Toronto, 336.62;	
Infant's Home, Toronto, 815.33;	St. Nicholas Home, Toronto, 440.50;	
Rescue Home for Women, Toronto, 521.55;	Children's Shelter, Toronto, 109.04;	
Industrial Refuge, Toronto, 217.06;	St. Mary's Orphan Asylum, Hamilton, 602.40;	
Protestant Orphan Asylum, Hamilton, 13.56;	Boys' Home, Hamilton, 463.70;	
Girls' Home, Hamilton, 220.02;	Home for the Friendless, Hamilton, 303.94;	
S. A. Rescue Home, Hamilton, 241.40;	Orphans' Home, Kingston, 289.22;	
House of Providence, Kingston, 375.26;	Hotel Dieu Orphanage, Kingston, 334.10;	
Orphans Home, Ottawa, 304.50;	St. Patrick's Orphan Asylum, Ottawa, 431.88;	
St. Joseph's Orphan Asylum, Ottawa, 1,279.46;		
	Rescue Home and Children's Shelter, Ottawa, 598.22;	
Infant's Home, Ottawa, 255.70;	Roman Catholic Orphans' Home, London, 539.88;	
Protestant Orphans' Home, London, 282.36;		
	Women's Refuge and Infants' Home, London, 208.16;	
Rescue Home for Women, London, 515.41;	St. Agatha Orp. Asy., St. Agatha, 435.72;	
Pro. Home, Orphanage Br., St. Catharines, 218.84;	Orp. Home, Fort William, 402.76;	
Berlin Orphanage, Berlin, 111.82;	L. O. True Blue Orphanage, Picton, 422.80;	
Protestant Orphans' Home, Toronto, 1,164.38		
		191,217 01
Victoria Industrial School, Mimico: Grant towards new building		5,000 00
St. John's Industrial School, Toronto: Grant new Blantyre Home Building		6,000 00



HOSPITALS AND CHARITIES, ETC.—*Continued.*HOSPITALS AND CHARITIES. — *Concluded.*

## Legislative Grants:—

Victoria Industrial School, 9,988.25;	St. John's Industrial School, 3,010.79;	
Alexandra Industrial School, 1,345.60;	St. Mary's Industrial School, 504.05;	
Infants' Home & Infirmary, Toronto, 400.00;	Can. Humane Society, 1903-04, 500.00;	
Prisoners' Aid Association, 2,500.00;	Victorian Order of Nurses, 2,500.00;	
Salvation Army Prison Gate W'k., 1,000.00;	Treas. Grey Co. House of Refuge, 4,000.00	25,748 69
Warwick Bros. & Rutter: Printing, etc., 44.45;	Riordon Paper Mills: Paper, 14.22	58 67

## CHILDREN'S AID SOCIETIES (\$3,994.78).

## Board of Children:—

Mrs. D. Campbell, 98.25;	V. A. Cunningham, 1,021.85;	Mrs. A. Allen, 83.50;	
Mrs. Geo. Chamberlain, 37.00;	E. E. Sharp, 52.75;	St. Nicholas Inst., 3.50;	
Mrs. W. Galbraith, 25.00;	Mrs. R. Campbell, 10.00;	Mrs. B. F. Herald, 10.00;	
St. Michael's Hospital, 47.60;	Boys' Home, 48.00;	Children's Aid Society, London, 35.00;	Mrs. A. Matron, 2.17
			1,474 62
Clothing etc., for Children:—			
T. Eaton Co., 336.35;	R. Simpson Co., 46.65;	St. Leger Shoe Co., 14.14;	
Trunk and Leather Goods Co., 43.50;	Bachrack Co., 3.54;	Toronto Industrial Soc'y, 114.50;	
W. L. Keil, 5.55;	E. R. Boilert & Co., 6.00;	Mrs. D. Campbell, 5.39;	
W. J. Carter, 8.50;	C. Potter, 6.25;	P. Jamieson, 2.00;	Chandler & Massey, 2.00
			594 78
J. F. Brown Co'y, carpet, 2.22;	C. P. Industries, beds, 91.00		93 22
M. Sweet, window blinds, 5.00;	Hurlburt, Mills & York, sewing machine, 40.00		45 00
J. J. Kelso: Disbursements, 18.90;	Dr. J. G. Adams: Dentistry, 6.25		25 15
Services: Dr. Lelia Skinner, 16.00;	Dr. E. A. White, 5.00		21 00
Mrs. V. A. Cunningham: To pay car fares, petty disbursements and allowance for sewing			129 64
Jas. Lediard, hospital expenses of boy			12 80
Interments:—A. Wilson, 20.00;	D. Stone, 5.00;	B. D. Humphrey, 16.50	41 50
A. Nevison, services and expenses re runaway boy			10 00
A. E. Smyth, article on Reformatory for Boys			15 00
W. Briggs: Books, testaments, etc., 24.60;	W. O'Connor: Booklets, 5.00		29 60
Toronto Humane Soc'y, 50 copies of aims and objects			5 00
U. C. Tract Society: Chart, books, etc., 18.50;	J. R. Moir: Camera, 10.50		29 00
Photos of children, Park Bros., 15.50;	A. R. Ward, 2.90;	J. W. Bald, 3.50;	
R. B. Kennedy, 1.00			22 90
Consumers' Gas Co., gas, 4.48;	City of Toronto, taxes, 26.72		31 20
Harrington Bros.: Glass, 2.50;	G. Pearsall: hardware, glass, etc., 5.70		8 20
Plumbing: Harrison & Robertson, 15.25;	J. Wright, 4.65;	F. Wallace, 3.00	23 50
McDonald & Willson: Supplies for range, 2.60;	Water Works Dept., water, 8.35		10 95
Toronto Electric Light Co.: Electric light, 22.31;	W. McGill & Co.: fuel, 65.00		87 31
Elias Rogers Co.: Coal, 75.00;	Gas Control Co.: rent of governors, 6.75		81 75
Cassels, Cassels & Brock: Rent of children's shelter			£7 50
D. C. Cunningham: Services as supervisor			360 00
Rev. Jas. Lediard: Services placing children in homes			100 00
Travelling expenses: Rev. Jas. Lediard, 36.70;	E. E. Sharpe, 13.20;	Jno. Keane, 24.06;	
V. A. Cunningham, 47.80;	Rev. Jas. Webb, 5.00		126 76
J. J. Kelso: Trav. expenses placing children from Reformatory for Boys			64 35
Fares of children: G. T. Railway Co., 65.30;	C. P. Railway Co., 9.20;	A. McFadden, 14.20;	V. A. Cunningham, 163.10
			251 80
P. Maher: Livery hire, 2.00;	Toronto Ry. Co.: car tickets, 5.00		7 00
Express charges: Can. Transfer Co., .25;	Fernley's Express, 2.00;	A. Little, 3.00	5 25
Can. Conference Charities and Correction: Grant re printing proceedings			150 00

## SANITARY INVESTIGATIONS (\$4,573.60.)

## Travelling expenses and disbursements:—

Dr. C. A. Hodgetts, 238.75;	Dr. J. A. Amyot, 70.75;	Dr. R. W. Bell, 63.00	372 50
-----------------------------	-------------------------	-----------------------	--------

## Smallpox outbreaks:—

C. P. Railway Co.: Expenses of quarantine, 444.00		
Travelling expenses: D. M. Brodie, 26.48;	A. McDougall, 18.00	
W. S. Piper: Felt, tar paper, etc., 6.05;	Elliot & Co.: drugs, 2.45;	W. Lloyd Wood, vaccine points, 13.73;
Med. services and attendance; Dr. R. H. McArthur, 100.50;		

HOSPITALS, AND CHARITIES.—*Concluded.* REPAIRS AND  
MAINTENANCE.

SANITARY INVESTIGATIONS.—*Concluded.*

Smallpox outbreaks:

Dr W. W. Birdsall, 200.00; Dr. W. A. Stewart, 141.25; Dr. D. Livingstone, 108.00; exps, 57.60; Dr. F. C. Wilson, 225.00; trav. exps., etc., 134.50; Dr. F. E. Watts, 400.00; expenses, 225.30; Dr. R. B. Struthers, 10.00; Dr. A. McMurchy, 25.00; J. M. MacNamara, 4.00; Dr. G. E. Marshall, 302.00; expenses and board, 157.05; Ida De Rosier, nurse, 51.00; trav. expenses, 1.15; Serv. as constable:— G. Postill, 34.10; J. W. Bulger, 10.00; W. W. Wilson, 154.00; E. W. Downs, 37.00; W. A. Kennedy, 32.75; W. W. O'Brien, 22.20; E. Stoner, 6.00; W. T. Percy, 19.50; D. Nadeau, 85.00; J. S. Whitney, 95.00; J. Ross, 92.50; T. Kearney, 5.00; F. Gagne, 16.00; C. Gunther: Board of constables, 27.35; W. C. Walton: Board of patient, 9.75; P. E. Flynn: Fees and disbursements, Raycroft vs. Brockville. 186.67; Dr. P. H. Bryce: Services as witness, 50.00; trav. expenses, 20.30; Corporation, Town of Mattawa: Expenditure, 213.01; L. A. Cooper: Shingles, Sunbury, 7.88; W. Margach, rope, 1.10; J. Lewis: Services and disbursements investigation, Muskoka, 45.00; C. P. Railway Co.: Freight, 7.29; R. Johnston, hire of boat, 17.00; Lumsden Steamboat Line: Freight charges, 16.30; R. Newell: Cab hire, 4.00	3,880 76
Diphtheria outbreak:— Isaac Fearon: Sanitary police service, 37.50; M. T. Cathcart: supplies, 16.15; Dr. T. H. Bethune: Medical attendance, anti-toxine, etc., 135.05; Lewis Irvine: Quarantine officer, 40.00	222 70
Scarlet fever outbreak: Dr. A. Stewart, medical attendance	90 00
Langford & Morin: Legal services re garbage, Winnipeg river	2 04
Total Hospitals and Charities, Sanitary Investigations, etc	\$236,592 75

REPAIRS AND MAINTENANCE.

GOVERNMENT HOUSE (\$15,039.99).

Jos. Graham: Twelve months' salary as Gardener and Caretaker	550 00
Pay lists: Wages, carpenters, bricklayers, plumbers, laborers, etc.	1,934 10
Knickerbocker Ice Co.: Ice, 170.10; Water Works Dept.: water, 100.30	270 40
Consumers' Gas Co.: Gas, 454.24; Toronto Ry. Co.: Car tickets, 12.50	466 74
Toronto Electric Light Co.: Electric light, 1,117.54; lamps, 12.50	1,130 54
W McGill & Co.: Coal, stove and nut, 327 tons, 1,905 lbs., @ 6.20; 2,033.60; bagging @ 25c., 29.51; hardwood, 11½ cords @ 6.75, 77.63; pine, 4½ cords at 5.25, 23.88; cutting, 7.75	2,172 37
J. H. Milne & Co.: Coal, soft lump, 10 tons @ 6.15, 61.50; 1 cord slabs, 5.50; 1 cord hardwood, 8.00	75 00
Painting & decorating: F. W. Cattle, 17.00; J. Andrews, 46.00; J. J. O'Hearn, 201.30; Elliott & Son, 155.00	419 30
Wheeler & Bain: Tinsmithing, etc., 39.01; clg. snow from roofs, 95.20	134 21
G. H. Ibbotson: Blacksmithing, 90; Shipway Iron Works, 3.10	4 00
Donald Bain: Carpentering, tinsmithing, etc., conservatory	1,009 27
Castings: Jas. Robertson Co.: 13.04; Rice, Lewis & Son, 1.00	14 04
W. O. Littleford: Repairing lamp, 1.25; Ont. Lead & Wire Co.: plumbing supplies, 10.50	11 75
Keith & Fitzsimons Co.: Plumbing supplies, 221.86; James Wright: plumbing supplies, 5.50	227 36
Harrison & Robertson: plumbing supplies, 2.90; J. B. Smith & Sons: lumber, etc., 217.09	219 99
Stewart & Wood: Glass, etc., 9.30; Aikenhead Hardware Co.: hardware, etc., 32.11	41 41
Dom. Radiator Co.: Radiators, 149.32; W. J. Hynes; plaster cast, Dom. coat of arms, 35.00	184 32

REPAIRS AND MAINTENANCE.—*Continued.*GOVERNMENT HOUSE. *Concluded.*

Purdy, Mansell & Co.: Steamfitting castings, etc., 593.62; contract heating, 664.00	1,257 68
A. F. Taylor: Cement, 1.00; W. Maguire: brick cement, etc., 22.25	23 25
Goold, Shapley & Muir Co.: Flag staff, 200.00; Can. Carbon Light Co.: iron post lamps, 162.20	368 20
Am. Tent & Awning Co.: Awnings, 9.00; D. Pike Co.: flags and reps., 111.00	120 00
J. & J. L. O'Malley: Scraping and polishing floors, clg. and laying carpets, etc.	317 51
J. W. L. Foster: Portrait of Lieut.-Gov. Clarke, 250.00; W. A. Murray & Co.: linoleum, 23.18	273 18
Furnishings:—Gowans, Kent & Co., 367.90; McDonald & Willson, 113.80; Spilling Bros., 2.00; W. Junor, 66.89; Hooper & Co., 2.95; J. Wanless & Co., 266.30; Ont. Rubber Co., 12.50; Can. Carbon Light Co.: 64.24; Michie & Co., 6.25; Geo. Spanner & Co., 5.50; G. & J. Murray, 3.30; T. Eaton Co., 21.49; Fletcher Mfg. Co., 3.30; Chaney & Co., 9.12; Gutta Percha Rubber Co., 5.00	968 45
T. Eaton Co.: Rugs, carpets, etc., 27.53; C. Rogers & Sons Co.: furniture, 150.50	178 03
Jno. Kay Son & Co.: Carpets, linoleum, rugs, etc.	1,652 24
Rogers Furniture Co.: Furniture, 46.50; Steele Briggs Seed Co.: plants, bulls, etc., 196.31	242 81
C. P. Industries: Plants, etc., 168.75; M. Thomas: gravel, 15.20	183 95
G. Duthie & Son: Reprg. roof, ventilators, etc., 5.01; Arndt Tree Protector: protectors, 60.00	65 01
Smith's Dye Works: Clg. curtains, 30.40; J. Cowan: clg. chimnies, 7.00	37 40
C. Wilson & Son: Adjusting scale, 2.10; City Toronto: prop'n concrete walks, 477.28	479 38
Wright Cartage Co.: Cartage, .50; V. P. Fayle: exps. weighing coal, 2.10	2 60

## PARLIAMENT BUILDINGS—GENERAL EXPENSES (\$49,953.72).

Thomas Burns	Twelve months' salary as Engineer	1,200 00
R. J. Griffiths	do Assistant Engineer	720 00
John Bennett	do Fireman	600 00
S. Pears	do do	600 00
V. H. Annable	do do	600 00
John Jones (temporary)	Six do do	300 00
E. A. Bishop	Twelve do Elevator Attendant	600 00
R. Power	do do	600 00
Wm. Davidson	do Hall Porter and Messenger	600 00
D. Harrington	do do do	600 00
G. W. Franks	do do do	600 00
A. Currie	do do do	600 00
S. Dunbar	do Night Watchman	650 00
E. R. Lucas	do do	650 00
J. W. Montgomery	do Attendant & Messenger	600 00
J. W. Houston: Services as Superintendent of Grounds		350 00
Pay lists: Wages, carpenters, bricklayers, steamfitters, dusters, laborers, etc.		9,147 92
P. J. Crotty: Trav. exps. re locks, 7.50; Toronto Railway Co.: Car tickets, 27.50		35 00
Water Works Dept.: Water, 646.92; Consumers' Gas Co.: Gas, 437.12		1,084 04
Can. Ice Co.: Ice, 295.34; Toronto Elect. Co.: Power, 289.47; light, 4,757.13; lamps, 1.80		5,343 74
W. McGill & Co.: Pea coal, 1238-1800 tons, at 5.30		6,566 44
W. Maguire: Cement, 5.50; Ontario Lime Co.: Mortar, 13.75		19 25
Weather strips: Chamberlain Weather Strip Co.: 100.56; W. Beers, 12.00		112 56
J. B. Smith & Sons: Lumber, 139.98; book cases, 462.00		601 98
Hardware, etc: Aikenhead Hardware, Ltd., 93.58; Rice Lewis & Son., 78.40		171 98
Cataract Refining Co.: Boiler com., 65.76; Harrison & Robertson: Steamfitting, 47.95		113 71
Castings: Jas. Robertson & Co., 86.34; Dom. Radiator Co., 76.99; Can. Fdry. Co., 18.00; Purdy, Mansell & Co., 3.40; Am. Abell & Thresher Co., 2.00		185 73
Plumbing: Ritchie Plumbing Co., 5.55; Johnston, Sewell Co., 3.00		8 55
Painting, glazing, decorating, etc.: J. J. O'Hearn, 236.58; M. O'Connor, 64.53; Elliott & Son Co., 42.05		343 16
Iron work and repairs: Shipway Iron & Bell Works, 12.09; Gurney, Tilden Co., 11.85; G. N. Reynolds & Co., 121.50		145 44
J. Elmar: Hose cut-offs, 120.00; Beardmore Belting Co.: Belting, etc., 29.50		149 50
C. Rogers & Sons Co.: Venetian blinds, 108.00; furniture, 12.00		120 00
C. P. Industries: Clothing, etc., for messengers, porters, etc., 1894 to 1904 incl.		2,892 64
W. & D. Dineen Co.: Hats, do do		30 00



## REPAIRS AND MAINTENANCE—Continued.

## PARLIAMENT BUILDINGS GENERAL EXPENSES.—Concluded.

## Furnishings:—

Keith & Fitzsimons Co., 18.76; Rogers Electric Co., 33.83; Imp. Glass Works, 2.50;	
Nerlich & Co., 59.66; W. A. Murray & Co., 172.81; Gowans, Kent & Co., 87.48;	
United Factories, 14.35; H. P. Eckardt, 235.47; Fletcher Mfg. Co., 82.19;	
McDonald & Willson, 100.63; Wheeler & Bain, 12.95; W. Junor, 180.07;	
Ont. Rubber Co., 11.00; Can. General Electric Co., 48.42; Luxfer Prism Co., 5.80;	
W. Simpson & Co., 40.00; Grant, Hamilton Oil Co., 14.28; L. K. Cameron, 50.00;	
H. S. Forgie, 3.20; H. W. Nelson & Co., 11.40; Chandler & Massey, 1.00; G. Prance, .72;	
Can. Oil Co., 5.00; Rochester Germicide Co., 20.00; Toronto Silver Plate Co., 5.25;	
Michie & Co., 4.90; Hooper & Co., 1.00; H. F. McIntosh, 3.00;	
N. L. Piper Ry. Supply Co., 3.70; Bennett & Wright Co., 24.00; W. Younger, 3.00;	
E. G. Lemaitre, 14.58; Hobbs Hardware Co., 60.08; J. H. Thompson, 2.40;	
Imperial Varnish Co., 28.50; Metropolitan Soap Co., 27.00; W. Blisner, 3.75	1,398 68
Furniture, upholstering, etc.: J. & J. L. O'Malley, 487.96; Jno. Kay Son & Co., 593.04;	
Adams Furniture Co., 62.00; Rogers Furniture Co., 3.00	1,146 00
T. Eaton Co.: Carpet, etc., 137.34; Cobourg Carpet & Matting Co.: Cocoa matting, 298.77	436 11
Prov. Secretary's Dept.: Book case for library, 15.00; Dorrien Plating Co.:	
Engraving, etc., 44.70	59 70
Mackenzie & Co.: Placing pictures & repairs, 61.50; Brown Bros.: Vines & trees, 24.00	85 50
Plants & bulbs: Julius Roehrs, 806.25; W. Rennie Co., 138.14; J. A. Simmers, 213.10;	
C. P. Industries (1987-1904), 2,751.77	3,909 26
M. Thomas: Gravel, 225.15; C. P. Railway Co.: Tar, 1.50	226 65
G. Duthie & Sons: Roofs, and repp. roofs, 261.90; clg. snow from roofs, 212.00	473 90
Repairing elevators: Est. W. J. Bradley Co., 10.00; Can. Otis Elevator Co., 254.08	264 08
Am. Tent & Awning Co.: Awnings, 79.50; Jaynes Electrical Co.: Station dials, 3.51	83 01
Gutta Percha & Rubber Mfg. Co.: Hose	106 28
Repairing clocks: F. T. Proctor, 3.10; C. W. Coleman, 1.50	4 60
Robinson & Heath: Duty & brokerage, 17.80; G. T. Ry. Co.: Freight charges, 18.26	36 06
Dom. Exp. Co.: Exp. charges, 9.50; J. P. Edwards: To pay duty & exp on dials, 1.58	11 08
V. P. Fayle: Expenses weighing coal	14 10
Miscellaneous:—	
B. O'Byrne ..... Twelve months' salary as General Clerk of Works	1,200 00
P. J. Crotty ..... do Carpenter	750 00
Jno. J. Heydon ..... Eight do Plumber	600 00
M. McBrearty ..... Eleven do Insp. Steamfitting & Boilers	1,100 00
M. J. Quinn ..... Twelve do Mechanical Superintendent	1,100 00

## PARLIAMENT BUILDINGS—ATTORNEY GENERAL'S DEPARTMENT (\$617.88).

J. & J. L. O'Malley: Regp. linoleum, 2.65; C. Rogers & Sons Co.: Book case & reprs., 60.00	62 65
J. B. Smith & Sons: Box, 6.80; Office Specialty Co.: Vault fittings, 138.15	144 95
Walton & Co.: Pictures, 11.28; Mildred Peel: Portrait Atty.-Gen. Sherwood, 125.00	136 23
J. J. O'Hearn: Painting, 30.00; M. O'Connor: Office cleaning, 244.00	274 00

## PARLIAMENT BUILDINGS—CROWN LANDS DEPARTMENT (\$3,469.36).

Remington Typewriter Co.: Cabinet, 27.25; Office Specialty Co.: Document fyles, 2,844.45	2,78 70
J. B. Smith & Sons: Partitions, etc., 192.00; Keith & Fitzsimons: Furnishings, 5.00	197 00
McDonald & Willson: Furnishings, 13.50; Galvanic Battery Co.: 5.30	18 80
Aikenhead Hardware Co., 2.25; Mineral Wool Asbestos Co.: Covering, 12.73	14 98
J. B. Smith & Sons: Lumber, 9.00; H. H. Watts & Co.: Bell hanging, 2.50	11 50
J. J. O'Hearn: Re-glazing, 10.90; J. & J. L. O'Malley: Regp. furniture, 13.55	24 45
Ont. Compressed Air Co.: Cleaning carpets, 17.68; Dom. Portrait Co.: Frame, 1.25	18 93
J. Cunean: Cleaning vault, 9.00; M. Wilson: Office cleaning, 286.00	295 00
Mrs. McNulty: Office cleaning	20 00

## PARLIAMENT BUILDINGS—PUBLIC WORKS (\$678.42).

J. B. Smith & Sons: Shelving. doors, etc., 148.14; Office Specialty Co.: Fyling cabinet, etc., 94.98	243 12
T. Eaton Co.: Desk, 45.00; J. J. O'Hearn: Staining, etc., 3.00	48 00
Eureka Mineral Wool Co.: Covering, 8.40; R. Simpson Co.: Furnishings, 3.90	12 30
Office cleaning: B. Robson, 8.00; M. Lavery, 275.00; M. McNulty, 80.00;	
C. Shanley, 12.00	375 00



REPAIRS AND MAINTENANCE.—*Concluded.*

## PARLIAMENT BUILDINGS—TREASURY DEPARTMENT (\$437.26).

Office Specialty Co.: Transfer cases, trunk, desk, etc., 129.00;	Newsome & Co.:	
Typewriter desk, 30.00		159 00
C. Rogers & Sons Co.: Repairs, 2.25;	D. Pike & Co.: Awnings, 18.00;	
Fletcher Mfg. Co.: Furnishings, 3.90		21 15
Aikenhead Hardware Co.: Hardware, 1.25;	J. P. Mill: Repairing clocks, 4.50;	
W. Robertson: Cleaning carpets & rugs, 4.51		10 26
J. & J. Taylor: Locksmithing		85
Office cleaning: C. Amsden		243 00

## PARLIAMENT BUILDINGS—PROVINCIAL SECRETARY'S DEPARTMENT (\$764.32).

Office Specialty Co.: Cabinet, bookcase, etc., 192.92; J. B. Smith & Sons: Fyling cabinet, etc., 63.00		255 92
Rogers Furniture Co.: Chair, 14.50;	R. Simpson & Co.: Furniture, etc., 50.75;	
J. & J. L. O'Malley: Repairs, 1.75		67 00
Eby, Blain & Co.: Soap, 5.70; Wheeler & Bain: Furn., 4.30; W. A. Murray & Co.: 2.00		12 00
C. Felton: Locksmithing, .30;	J. J. O'Hearn: Painting, 65.20;	
Ontario Compressed Air Co.: Cleaning carpets, 3.90		69 40
J. Park: Repairing clock		1 50
Office cleaning: Mrs. Lees, 22.50;	C. Amsden, 36.00;	M. Ryan, 300.00
		358 50

## PARLIAMENT BUILDINGS—DEPARTMENT OF AGRICULTURE (\$875.93).

Adams Furniture Co.: Chairs, 23.85; L. Rawinson: Book cases, 70.60		93 85
Grand & Toy: Staty. cabinet, 3.75; T. Eaton & Co.: Table, desk, etc., 29.00		32 75
United Typewriter Co.: Desk, etc., 50.00; Office Specialty Co.: Desk, chair, cabinet, etc., 139.68		189 68
J. B. Smith & Sons: Shelving for vault, lumber, etc., 147.00;	T. Eaton Co.:	
Linoleum, mat, etc., 26.51		173 51
John Kay Son & Co.: Carpet and mat, 5.40; McDonald & Willson: Lamp, 4.50		9 90
Fletcher Mfg. Co.: Furnishings, 1.85; M. O'Connor: Painting, oiling, etc., 55.52		57 37
Bell Tel. Co.: Removing 'phone to Putnam's house, 3.00;	Can. Expres Co.: 1.37;	
Can. General Electric Co.: Motor, 27.00		31 37
Office cleaning: Mrs. McNulty, 1.50;	Mrs. Robertson, 286.00	287 50

Total Repairs and Maintenance 71,836 88

## PUBLIC BUILDINGS.

## PARLIAMENT BUILDINGS (\$2,475.05).

Toronto Fire Dept.: Fire alarm box and equipment, 151.38;	Dom. Bridge Co.:	
Steel beams for Archivist's vault, 280.00		431 38
Expanded Metal and Fire Proof Co.:	Metal and cinder concrete roof, 425.00;	
McDonald & Willson: Elect. equipment, 1,375.37		1,800 37
John Murphy: Fees inspecting and rep'g re electrical equipment		200 00
do Travelling expenses		43 30

## ASYLUM FOR INSANE, TORONTO (\$2,510.53).

Keith & Fitzsimons: Electric and combn. fixtures, 356.91		365 91
McDonald & Willson: Combn. fixtures, 248.00; wiring, 10.50		258 50
Exterior Repairs:—		
W. Maguire: Cement brick & sand, 33.30; J. B. Smith & Sons: Lumber, 72.48		105 78
W. Simpson: Entrance gates, 167.55; A. G. McIntyre: Iron work on gate, 29.25		196 80
A. G. McIntyre: Iron work on verandah, 13.45; repg. roof, 262.32		275 77
D. Guthrie & Sons: Repg. roof, 35.25; Brown & Love: Rebuild'g fence piers, 473.50		508 75
Aikenhead Hardware Co.: Hardware, 6.36; J. C. Claxton: Teaming, 3.00		9 36
Gurney Foundry Co.: Boiler, etc., 125.77; Keith & Fitzsimons: Plumbing supplies, 136.45		262 22
J. J. O'Hearn: Painting and decorating, 191.48; Wages for men, 334.96		525 41

## PUBLIC BUILDINGS.—Continued.

## RENEWALS, FURNITURE, FURNISHINGS, ETC., (\$5,064.27).

A. L. Davis: Piano, 375.00; Singer Mfg. Co.: Sewing machine, 35.00 .....	410 00
Toronto Laundry Machinery Co.: Washing machines, 585.00;	
Creelman Bros.: Knitting machine, 33.00 .....	618 00
Geo. Sparrow & Co.: Jacket kettles, 450.00; C. P. Industries: Home bed, 16.00 .....	466 00
Carpet Cleaning Co.: Upholstering, 342.00; H. W. Petrie: Pipe machine, 115.00;	
steam pump, etc., 216.35 .....	673 35
G. B. Meadows: Cont. wire window guards, 101.00; R. J. Byron: Window shades, 128.48	229 48
J. Robertson Co.: Bath pipe, etc., 97.02; Pease Furnace Co.: Pots & stands, 150.00	247 02
A. McDonald: Lumber, 615.06; Dymond, Sommerville Co.: Furniture, 331.32 .....	946 32
R. J. Byron: Furniture, 353.50; R. Hall & Son: Carpets, 634.88 .....	988 32
Robert Fair & Co.: Carpets, 423.02; C. P. Ry. Co., 50.64; W. Shaughnessy: Cartage, 12 00	485 64

## ASYLUM FOR INSANE, MIMICO (\$2,186.02).

## Intake Pipe:—

Can. Foundry Co.: Pipe, 20.15; A. J. Brown: Diving outfit, derrick, etc., 327.00	347 25
H. W. Hodson: Hire of scow, 16.00; Jos. Goodwin: Hire of scow and towing, 74.50;	
A. J. Brown: do., 32.00 .....	122 50
Pay lists .....	841 25

## Baths:—

McGregor & McIntyre: Iron work, 49.35; James Robertson Co.: Baths, etc., 590.67	640 02
C. Rogers & Sons Co.: Tiling bath rooms .....	235 00

## RENEWALS, FURNITURE, FURNISHINGS, ETC., (\$3,103.39).

Heintzman & Co.: Piano, 175.00; S. May & Co.: Billiard table, 219.50 .....	394 50
W. A. Murray & Co.: Jardinieres, 60.00; Jno. Kay Son & Co.: Arm chairs, 240.00	300 00
Chandler & Massey: Microscope, 67.50; H. A. Willson & Co.: Billiard table, 25.00	300 00
Gcwans, Kent & Co. Pots, 14.21; Keith & Fitzsimons Co.: Hospital bath, 140.00;	
sectional lavatories, 320.00 .....	474 21
J. Macdonald & Co.: Rugs, 107.00; McKenzie & Co.: Framing engravings, 132.00;	
Rogers Furniture Co.: Furniture, 12.50 .....	251 50
J. Maloney & Co.: Brick, stone, cement, etc., 1,178.13; J. J. McCallum:	
Cyclone fence & gate, 147.55 .....	1,325 68
Roman Stone Co.: Contract stone, rail and ballusters .....	265 00

## ASYLUM FOR INSANE, LONDON (\$19,632.18).

## Reservoir:—

Cement: W. Heaman & Son, 62.10; Hobbs H'dw're Co., 7.20; W. J. Craig, 7.20 ..	76 50
Imperial Cement Co., 636.00; Jas. Anderson, Stone and gravel, 194.49 .....	830 49
A. Westman: Iron, wire, etc., 6.86; W. Heaman & Son: Pipe, etc., 40.00;	
Hobbs Hardware Co.: Pipe, etc., 139.42 .....	186 28
Purdom, Gillespie Hardware Co.: Castings, 10.50; W. Malloch & Co.: Castings, 26.76;	
Jas. Cowan & Co.: Castings, 24.00 .....	61 26

## Carpenter Shop:—

E. H. Russell & Co.: Radiators, 247.25; Hobbs Hardware Co.: Hardware, 18.00;	
Geo. H. Belton: Lumber, etc., 242.90 .....	508 15
Jas. Anderson: Gravel, 27.12; E. E. Skuce: Lime, 34.67;	
W. Stevely & Son: Repr. eavetrough, etc., 44.17 .....	105 96

## Infirmary:—

Kernohan & Ferguson: Lumber, 24.50; W. Gerry: Doors & frames, 11.00 ..	35 50
City Gas Co.: Lamp fixtures, etc. ....	122 95

## Dundas Street House:—

W. J. Craig: Lumber, 65.50; W. Gerry: Lumber, 18.90; G. H. Belton: Lath, 45.00	129 40
Hobbs Hardware Co.: Cement, 2.95; W. J. Element: Lime, fire brick, etc., 10.45	13 40
E. E. Skuce: Lime, 58.45; Schabacker & Co.: Window frames, doors, etc., 64.70	123 15

## Engineer's Department:—

Dom. Radiator Co.: Boilers, valves, etc., 681.77; E. Leonard & Son: Cont. for steam	
boiler, 900.00 .....	1,581 77
W. J. Element: Fire brick, lime, etc., 29.95; J. McLaughlin: Fire brick,	
lime, etc., 116.25; G. Hammett: Masonry, 113.40 .....	259 60
Purdom, Gillespie Hardware Co.: Hair felt, 10.00; A. Irwin: Cement base, 48.51 ..	58 51
C. P. Railway Co.: Freight charges .....	56 71

## PUBLIC BUILDINGS.—Continued.

## ASYLUM FOR INSANE, LONDON.—Continued.

## Coal Vault:—

Purdum, Gillespie Hardware Co.: H'dw'e, 15.00	W. Stevely & Son: Iron work, 9.48	24 48
G. H. Belton: Lumber		670 34
E. W. Scott: Castings, etc.: Ice hoist, 139.26;	W. Gerry: Lumber for balconies, 269.69	408 95
W. Stevely & Son: Galv. roofing, etc., & slating main roof, 932.90; repg roof, 622.00		1,098 60
Jas. Robertson Co.: Slate tubs, etc., for ldry., 87.50; F. C. Hunt: Baths, etc., 622.00		709 50
T. Trebilcock: Purchase of farm lands, 12,500.00;	J. M. McEvoy: Fees & disbursements re title, 49.13	12,549 13
F. R. Heakes: Trav. expenses, 7.85;	M. J. Quinn: Trav. expenses, 13.70	21 55

## RENEWALS, FURNITURE, FURNISHINGS, ETC., (\$2,610.20).

Durham Rubber Co.: Fire hose, 270.00;	J. Ferguson & Sons: Arm chairs, 43.20	313 20
Strathroy Furniture Co.: Furniture, 789.12;	W. J. Craig: Lumber & shingles, 278.15	1,067 27
Kernohan & Ferguson: Timber, 16.49;	Geo. H. Belton: Lumber and posts, 145.10	161 59
W. Stevely & Son: Ironw'k, 4.00; Jas. Anderson: Gravel, 175.87; M. Breen: Gravel, 87.50		267 37
R. Crosby: Drain tile, 185.86;	J. H. Herrick: Fire extinguishers, 144.00	329 86
C. Wilson & Son: Dough mixer, pulleys, cables, etc.		302 40
London Engine Supply Co.: Castings		28 51
C. Smith: Moving and repairing barn		140 00

## ASYLUM FOR INSANE, HAMILTON (\$4,799.19).

Pumping house:		
Smart-Turner Machinery Co.: Repairing pumps		160 92
Steam heating:		
Hamilton Bridge Works: Beam plates, etc.		20 20
Garlock Packing Co.: Covering pipestack, etc.		95 50
Geo. Stevenson: Steam fitting and supplies		56 86
Wood, Vallance & Co.: Iron pipe, etc.		448 00
Smart-Turner Machine Co.: Repairs to boiler		103 03
Geo. Stevenson: Fitting up bathroom, etc.		177 00
F. H. Dickenson: Carpentering dormitories, etc.		280 10
Rose Bros.: Painting supports verandah		68 50
F. H. Dickenson: On acct. Cont. skating rink		2,070 00
H. & J. Dow: Cement		8 40
Jas. Findlay: Ironwork on barn, 2.70;	Jas. Robertson Co.: Copper floats, 4.00	6 70
City Works Dept.: Sewer pipe, cement, repairs to drains		626 68
D. Aitchison: Door frame, etc.		39 26
D. Aitchison: Cont. porch and verandah, Bursar's house		473 50
Hamilton and Toronto Sewer Pipe Co.: Pipes, etc.		97 36
Travelling expenses:		
B. O'Byrne, 6.95; F. R. Heakes, 3.20; M. McBrearty, 23.75; R. P. Fairbairn, 3.55;		
G. A. Richardson, 2.40;	M. J. Quinn, 27.30	67 15

## RENEWALS, FURNISHINGS, ETC., (\$5,107.31).

Mrs. S E. Charlton: Balce, purchase of land, 5,000 00;	T. C. Watkins: Linoleum, 19.85	5,019 85
R. Duncan & Co.: Papering, painting, etc., 24.36; G. Stevenson: Bathroom fixtures, 11.00		35 36
Jas. Findlay: Repairing metal ceilings		52 10

## ASYLUM FOR INSANE, KINGSTON, (\$10,464.34).

## Nurses' Home and Lavatory:—

Elliott Bros.: Contract plumbing, 1,250.00; balance slate roofing, 345.00		1,595 00
do Connecting radiators, 96.82; cement, pipe tile, etc., 45 91		142 73
W. Savage: Painting, glazing, etc., 514.21;	W. Massie: Lumber, 276.44	790 65
Rathbun Co.: Lumber, 226.29; Carnovsky Wood Mfg. Co.: Lumber & fit'gs, 885.90		1,112 19
Breck & Halliday: Elect. fittings, etc., 169.69; J. M. Corbett: Hardware, etc., 267.36		437 05
A. Strachan: Hardware, 30.51;	McKelvey & Birch: Hose, tile, etc., 40.00	70 51
W. J. Savage: Painting, etc., 170.20;	P. Walsh: Lime, 13.84;	
W. J. Hynes: Plaster centres, 10.00		194 04
Pay lists: Wages of men		132 43

## PUBLIC BUILDINGS.—Continued.

## ASYLUM FOR THE INSANE, KINGSTON.—Concluded.

Steam Heating:—		
Selby & Youlden: Contract boiler, 1,081.00; J. Pollie: Cont. iron work roof, 119.00		1,200 00
Rathbun Co.: Lumber, 170.70; Elliott Bros.: Plumbing, etc., 609.06;		
Elliott Bros.: Brick, clay & cement, 86.70		866 46
H. J. Harpell: Sand, 10.50; Pay lists: Wages of men, 249.76		260 26
North Cottage:—		
W. Massie, Jr.: Lumber, 7.09; Rathbun Co.: Lumber, 62.34; P. Walsh: Lime, 32.44		101 87
McKelvey & Birch: Contract plumbing, 215.00; plumbing supplies, 147.68		362 63
Pay Lists: Wages of men		111 60
Cottage:—		
Elliott Bros.: Iron work, 158.50; John Mouldey: Brick, 99.50		258 00
S. H. Orser: Shingling, 53.00; A. Strachan: Hardware, cement, etc., 76.77;		
Rathbun Co.: Lumber, 484.74		614 51
Superintendent's Residence:—		
R. Clugston: Repairing roof, 20.35; Pay list: Wages men, 33.82		54 17
New Court:—		
McKelvey & Birch: Hot air furnace, etc., 156.50; Pay list: Wages men, 36.37		192 87
Butcher's House:—		
A Strachan: Hardware, 9.10; Wm. Drury: Lime, 23.04; H. J. Harpell: Sand, 19.50		51 64
Pay list: Wages of men		458 94
Laundry:—		
Toronto Laundry Machinery Co.: Washing machinery		182 00
Cold Storage:—		
H. J. Harpell: Sand, 12.00; A. Strachan: Hardware, 76.90;		
Pay lists: Wages of men, 331.88		420 78
McKelvey Bros.: Baths & closet fixtures, 73.96; Eby, Blain & Co.: Holder for gas plant, 508.00		581 96
Pay lists: Wages men, stone wall		216 75
Traveling expenses: F. R. Heakes, 48.00; M. McBrearty, 7.25		55 25
RENEWALS, FURNITURE, FURNISHINGS, ETC., (\$2,342.82).		
Nordheimer Piano Co.: Exchange on piano		600 00
Surgical Appliances:—		
Central Drug Co., 55.17; DeZeng Optical Co., 12.00;		
Ont. Rubber Co.: Pneumatic mattresses, 55.00		122 17
Chandler & Massey, 23.13; Bell Tel. Co.: Installing service, 29.57		57 70
Furnishings:—		
Robertson Bros., 27.85; T. F. Harrison Co.: Furniture, 630.95;		
A. Strachan: 100 special locks, 550.00		1,208 80
Rathbun Co.: Lumber, cement, etc., 151.35; W. A. Mitchell: Cement, 202.90		354 15
ASYLUM FOR INSANE, BROCKVILLE, (\$5,351.10).		
Spray Baths:—		
A. A. Worden: Sand, 11.00; A. Eligh: Gravel & teaming, 15.00		26 00
Brown & Semple: Contract gegenstrom apparatus and fittings, 448.00;		
plumbing supplies, 101.95		549 95
T. H. Fitzgibbon: Work on baths, 80.25; J. McGee: Cement work, 84.00;		
Rathbun Co.: Lumber, 13.34		177 59
R. H. Smart: Wire guards, cement, etc.		47 00
Laundry:—		
J. McGee: Cement w'k, 3.00; R. H. Smart: Leather belting, pipe cement, etc., 199.33		202 33
Toronto Laundry Machinery Co.: Extractor,		127 00
Skating Rink:—		
Driscoll & Fitzpatrick: Contract, 2,995.00; Brown & Semple: Pipe, 3.04		2,998 04
Rathbun Co.: Lumber, etc., 41.56; Pay list, 137.25		178 81
W. & J. Sheridan: Pipe, etc., eave troughs		90 03
Pay list: Eave troughs		87 00
J. E. Degan: Cont., ext'n of eaves main bldg., 372.00; J. Elmer: Hose cut-offs, 60.00		432 00
Waterous Engine Works Co.: Engine & pulley, 80.00; freight charges, 3.72		83 72
Milton Pressed Brick Co.: Brick, 64.50; Pay list: Bricklaying, 165.00		229 50
A. Worden: Sand, 8.25; A. F. McCaw: Lime, 7.70		15 95
Travelling expenses: F. R. Heakes, 6.55; H. E. Moore, 20.00; B. O'Byrne, 79.63		106 18



## PUBLIC BUILDINGS.—Continued.

## ASYLUM FOR INSANE, BROCKVILLE.—Concluded.

## RENEWALS, FURNITURE, FURNISHINGS, ETC., (\$2,547.87).

Jas. Moore: Billiard table, balls, etc., 133.70; J. S. Russell: Curling stones, 200.00	333 70
Buchanan & Sheridan: Furniture, etc., 154.52; E. B. Clegg & Co.: Chairs, 117.50;	
D. Bellighem: Couches, 150.00	422 02
M. McFadden: Tables, 45.00; R. Hall & Son: Carpet, 214.38; J. C. Turnbull Co.:	
Carpet, 184.90	444 23
R. H. Smart: Hose nozzles, 10.10; R. G. Olmsted: Iron fence, 446.60;	
C. Wilson & Son: Castings, 29.35	486 55
E. H. Smart: Hardware, cement, boiler, etc., 337.61; A. A. Worden: Land, 88.00;	
E. Eligh: Gravel, 5.00	430 61
Jas. Smart Mfg. Co.: Iron work, etc., 23.46; R. B. Easton: Iron work, etc., 255.02	278 43
John McGee: Masonry, plastering, etc.	130 00
G. T. Ry. Co., '9.08; C. P. Ry. Co., 1.15; W. E. Elliott: Cartage, 2.00	22 23

## ASYLUM FOR INSANE, COBOURG (\$4,750.00.)

Oke & Oke: Acc. contract sup't residence, 3,852.00; Climo Bros.: Acc. cont. heating,	
563.00	4,415 00
Pay lists	187 84
Travelling Expenses: F. R. Heakes, 11.15; B. O. Byrne, 107.61; H. E. Moore, 13.15;	
M. McBrearty, 15.25	147 16

## ASYLUM FOR FEEBLE MINDED, ORILLIA (\$7,092.02).

Root House:—	
J. E. Eaton: Balance contract.	526 84
New Boilers:—	
Dom. Radiator Co.: Pipe, valves, etc., 40.76; E. Long Mfg. Co.: do. 18.55	59 31
Polsen Iron Works: Contract, 5,449.79; Jas. Robertson Co.: castings, 40.00	5,449 79
McGregor & McIntyre: Iron beam, 50.00; McNabb Bros.: hardware, 5.80	55 80
E. Webb: Brick, lime, etc., 432.48; wages, masons, bricklayers, laborers,	
ets., 371.80	804 28
John Inglis Co.: Repairing boiler, 16.00; J. Middleton: steam fitting, 50.00;	
J. Thomson: Steamfitting, 50.00	116 00
Travelling Expenses: B. O'Byrne, 8.90; J. Heyden, 18.30; M. McBrearty, 10.35;	
M. J. Quinn, 8.45	46 00

## RENEWALS, FURNITURE, FURNISHINGS, ETC., (\$4,112.45).

C. P. Industries: Beds and blankets, 569.55; Peterboro' Mattress Co.: mattresses, 148.00	717 55
T. Eaton Co.: Furniture, carpets, etc., 300.00; Adams furniture Co.: furniture, 220.95	520 95
Rogers Furniture Co., 67.40; Can. General Electric Co.: Lamps, cable, etc., 144.51	411 91
B. Greening Wire Co.: Guards, 20.15; Bennett & Wright: range, closet, castings,	
etc., 529.21	549 36
Can. Foundry Co.: Bal on duplex pump, 261.18; Northey & Co.: balce re erection of	
pump, 7.90	269 09
Can. Rubber Co.: Hose and fittings, 456.90; E. L. Purvis & Co.: steam pipe	
covering, 46.84	503 74
McNab Bros.: Fire-ladders, cement and glass, 200.45; Vokes Hardware Co.: stall posts,	
guards, etc., 739.97	910 42
S. Pomeroy: Storm sash, 18.76; Steele & Crawford: lumber, 68.07; S. Pomeroy:	
posts, etc., 96.62	183 45
Tait, Carss Lumber Co.:lumber, 42.25; A. Harvie: plastering,etc., 13.60; D. McNiven:	
carpentering, 83.80	139 65
G. T. Railway Co.: freight charges	76 34

## HOSPITAL FOR EPILEPTICS, OXFORD (\$50,805.37).

Purdy, Mansell & Co.: Acc. contract plumbing, heating, etc., 9,395.00; McDonald &	
Willson: cont. electric wiring, 574.00	9,969 00
Nagle & Mills: Acc. cont. cottages, 20,407.00; W. Griffiths: acc. cont. whole work,	
9,630.00	50,037 00

## PUBLIC BUILDINGS.—Continued.

## HOSPITAL FOR EPILEPTICS, OXFORD.—Concluded.

Nagle & Mills: Cont. digging well, 450.00; C. A. Hatch, purchase of site, 8,469.77....	8,919 77
Alex. White: Clerk of works, 888.00; F. J. Ure: surveyor's fees, 50.50; Dom. Bridge Co.: girders and plates, 56.00 .....	994 50
Ball & Ball: Legal services <i>re</i> purchase of site .....	277 12
Woodstock Water & Light System: Electric wiring .....	508 86
Alex. White: Office furniture and supplies.....	24 77
Travelling expenses: H. E. Moore, 24.25; F. R. Heakes, 37.25; R. P. Fairbairn, 12.85	74 35

## CENTRAL PRISON, TORONTO.

## RENEWALS, FURNITURE, FURNISHINGS, ETC. (\$6,905.91).

Dominion Radiator Co.: Contract sprinkler system, 900.00; heating broom shop, 500.00 .....	1,400 00
Dominion Radiator Co.: Pipe, valves, etc., 949.56; Nicholson, Curtis & Vicks: Cont. jams, 175.00 .....	1,124 56
Nicholson, Curtis & Vick: Wages stone cutters, 1,777.60; C. P. Industries: Cell gate, locks, etc., 254.00 .....	431 60
C. P. Industries: Painting, glazing storm sash, 39.72; Hobbs Hardware Co.: Glass, 63.14 .....	102 86
Stewart & Wood: Paints, oils, etc., 30.00; Impl. Varnish & Color Co.: Paints, 15.90..	45 90
Aikenhead Hardware Co.: Hardware, etc., 37.15; H. S. Howland Sons & Co., 20.43..	57 58
J. Maloney & Co.: Cement, lime, etc., 144.48; Ont. Paving Brick Co.: brick, 603.60	748 08
Page & Co.: Stone steps, 40.50; Canada Foundry Co.: beams and plates, 406.00 .....	446 50
Jas. Robertson & Co.: Castings, 40.03; James Morrison Brass Mfg. Co., 114.50 .....	154 53
Dodge Mfg. Co.: Pulleys, etc., 100.92; Metallic Roofing Co.: Roofing, 20.25 .....	121 17
Kemp Mfg. Co.: Shades, 31.27; Toronto Electric Light Co.: wire, 18.95; Young & Co.: storm sash, 175.68 .....	225 70
J. B. Smith & Sons: Lumber, etc., 826.78; Can. General Electric Co.: supplies, 884.47	1,711 25
Independent Cordage Co.: Rope, 6.08; Rowland, Smith: steamfitting, 102.90....	108 98
C. E. Sheppard: Services <i>re</i> lighting, 189.00; installing 'phone system, 38.20 .....	227 20

## ANDREW MERCER REFORMATORY FOR FEMALES (\$1,259.73).

## Laundry:—

Meyer Bros.: Machinery, 395.45; R. Bigley: boiler, etc., 132.35; Dom. Radiator Co.: pipe, etc., 12.64 .....	540 44
R. Paterson: Steamfitting and castings, 329.87; Purdy, Mansell & Co., 21.63..	351 50
Pay lists: 53.40; Stevens & Chubb: bricklaying, 47.25; John Vokes: cut stone, 26.55	127 20
Harrison & Robertson: Plumbing and supplies .....	240 59

## RENEWALS, FURNITURE, FURNISHINGS, ETC., (\$7,032.02)

W. Musselman: Cont. fences, 475.00; J. Pulfer: Cont. ptg. fence, 92.32; ceiling and walls, 135.00 .....	702 32
C. Rogers & Sons Co.: Furniture, 97.25; United Typewriter Co.: Cabinet & chair, 34.50	131 75
Jno. Kay Son & Co.: Shades, 72.20; J. F. Hartz & Co.: operating table, 15.00; Meyer Bros., soap tank, 36.65 .....	124 45
Perfection Heating Co.: Heaters, 110.00; Office Specialty Co.: vault fittings, 169.58....	279 58
J. M. Allen: Hardware, paints, etc., 227.00; James Robertson Co.: castings, 49.72 ..	276 72
Eureka Mineral Wool Co.: Covering, 43.23; Thomson & Pearson: Cont. Cement works, 535.00 .....	578 23
Stephens & Chubb: Repairing walls, 595.00; W. H. Smith: Cont. alterations and repairs, basement, 389.00 .....	984 00
T. Gander & Son: Cont. plastering store room, etc., 247.25; J. Musselman: Cont. excavating and filling concrete drive, 110.00 .....	357 25
Ont. Peace Metal Weather Strip Co.: Weather strip, 12.50; J. B. Smith & Sons: lumber, etc., 289.76 .....	302 26
W. H. Smith: lumber, 567.94; Metallic Roofing Co.: Plate, moulding, etc., 325.93 .....	893 87
Rathbun Co.: Sash, doors, lumber, cement, etc., .....	281 51
C. P. Industries: Painting, beds, etc., 271.25; T. Hutchinson: Cont. ptg. ceilings, walls, and cupboards, 295.00 .....	566 25
Pay lists: Wages, painters, carpenters, etc.....	1,559 89

## PUBLIC BUILDINGS.—Continued.

## INSTITUTION FOR THE DEAF AND DUMB, BELLEVILLE (\$4,992.39).

## Wharf:—

Schuster Co.: Timber, 585.60;	W. P. Clarke, bolts, 32.20;	
J. W. Walker, hardware, 14.78; R. Phillips, stone, 56.25; J. Vancleak, stone, 3.25;	pay lists, wages, men, 198.29;	
N. F. Donovan, stone, 39.00;		
R. H. Paterson: trav. expenses, 27.10; J. Hodge, board of foreman, 6.00.....		940 47

## Boilers, etc:—

Waterous Engine Works Co.: Contract steam boiler, 2,235.00; J. V. Ross, brick, bricklaying, etc., 789.42;	Wm. McGee: steam fittings and supplies, 918.40;	
J. V. Ross, concrete floor, fire room, 76.75 .....		4,019 57
Travelling expenses: R. P. Fairbairn, 8.40; H. E. Moore, 4.75; B. O'Bryne, 6.95;		
M. McBrearty, 4.55 .....		24 35

## RENEWALS, FURNITURE, FURNISHINGS, ETC. (\$1,977.53.)

J. M. Truaish: Cement walk, 566.30; C. B. Scantlebury: metallic ceiling, pig., decorating, etc., 284.80 .....		651 10
Laidlaw & Ketcheson: Carpets, 107.80; Elliott, Son & Co.: hardwood floor, 54.00....		161 80
J. W. Walker: Hardware, 108.06; A. N. Pringle: lumber, etc., 23.72; Schuster Co.: lumber, etc., 202.60 .....		354 38
Thompson & Co.: Beds, mattresses, etc., 173.00; C. P. Industries: bed, springs, castors, etc., 357.25 .....		530 25
Pay Lists: Wages, painters, carpenters, etc. ....		300 00

## INSTITUTION FOR THE BLIND, BRANTFORD, (\$3,346.94.)

## Lavatories:—

Schultz Bros.: Contract whole work, 1,315.00; contract flooring closets, 49.00;		
Waterous Engine Works: Pipes and fittings, 15.84; Dom. Radiator Co.: radiator, valves, etc., 32.09;	Turnbull, Howard & Co.: Pipe, etc., 111.16;	
T. A. Cowan: castings and plumbers supplies, 422.05;		
C. Taylor & Co.: Closets, castings, etc., 328.97; Jas. Staton: wages as plumber, 141.60;		
R. Lewis: Wages as plumber's help, 25.50; Brantford Expositor: Advtg re tenders, 9.00 .....		2,448 15

## Farm and Garden:—

J. R. Harvie: Concrete walks, 365.00; contract silo, 168.50;		
W. Secord: work on silo, 20.00; Stewart & Burrell: plates for walks, 8.44 ....		561 94

## Laundry:—

Waterous Engine Works Co.: Pipe, 36.00; T. A. Cowan: setting pipe, 40.00 .....		76 00
J. R. Harvey: Contract, cement, gutter, curb, etc., 160.00; J. Mann & Son: pipe, 52.20		212 20
Travelling expenses: M. J. Quinn, 35.35; B. O'Byrne, 3.65; H. E. Moore, 9.65 .....		48 65

## RENEWALS, FURNITURE, FURNISHINGS, ETC (\$1,559.94.)

H. J. Smith: Piano, 315.00; S. P. Pitcher: office safe, 120.00; Can. Rubber Co.: hose, etc., 134.10 .....		569 10
Office Specialty Co.: Cabinet and chair, 106.50; Can. Office & School Furniture Co.: desks, 50.40 .....		156 90
H. B. Gardiner: Allowance for furniture supplied, 573.35; T. A. Cowan: ball cock, 6.50		579 85
J. Bishop & Son: Brackets, etc., 3.30; Mickle, Dyment & Co.: lumber and cedar posts, 55.34 .....		58 64
Schultz Bros. Co.: Lumber, 38.20; J. B. Cole: cyclone woven wire fence, 75.00 .....		113 20
J. Glancy: teaming gravel .....		82 25

## ASYLUM, PENETANGUISHENE (\$40,725.14.)

M. A. Gendron: Cont. covering laundry roof, 294.00; Polson Iron Works Co.: Cont. hot water heater, 103.00 .....		397 00
Gurney Foundry Co.: Boiler, furnaces, radiators, 866.48; Toronto Laundry Mach'y Co.: cont. installing laundry machinery, 2,276.00 .....		3,142 48
C. Reynolds: Brick, 273.50; W. West, 215.90; Wallace & Son, 63.13 .....		552 53
W. Blanchard: Lime, cement, 455.66; Imperial Plaster Co.: Plaster, 133 20 .....		588 86
D. S. Pratt: Cement, 10.00; N. Payette, re reshingling, etc., 386.00 .....		396 00
P. Payette & Co.: Brick, iron work, etc., 620.72; J. Munro & Co.: lumber, etc., 252.20		878 92

## PUBLIC BUILDINGS.—Continued.

## ASYLUM, PENETANGUISENE.—Concluded.

C. Beck Mfg. Co.: Lumber, 1,449.01; A. Tessier, 384.20; F. McGibbon & Sons, 49.00	2,382 21
C. Gordon: Removing old fence, setting posts, etc., 219.20; M. A. Gendron Hardware Co.: hardware, 523.91	743 11
G. H. Wright: Hardware, 684.93; Aikenhead Hardware Co., 25.69; Jas. Robertson Co.: castings, 60c.	711 22
Jas. Robertson & Co.: Tender plumbing and heating supplies, 2,494.19; Dom. Bridge Co.: beams, 45.00	2,539 19
G. B. Meadows: Wire guards, 508.90; Geo. H. Hees Son & Co.: Shades, 221.02	729 92
Can. Otis Elevator Co.: Elevator, 142.21; J. B. Smith & Sons: ash case, 75.00	217 21
McDonald & Willson: Refrigerators, 72.00; J. F. Hanrahan, refrigerator, 425.00	497 00
Western Foundry Co.: Range, 950.00; United Typewriter Co.: cabinet, 25.00	975 00

## Furniture, etc.—

Adams Furniture Co.: 75.00; Valley City Seating Co.: 220.00; D. Bellighem, 425.00; N. McFadden, 427.20; T. Eaton Co., 648.17; E. B. Clegg & Co., 571.00; A. A. Corbeau, 77.49; A. Comstock, 401.20; J. F. Hartz Co., 15.00; C. P. Industries: Beds, 1,193.50; Peterboro Mattress Co.: Mattresses, 2,262.00; J. C. Turnbull & Co.: Carpets, rubber sheets, etc., 363.39; R. Hall & Sons, 506.78; Playfair, Preston Co., 252.65; T. Eaton Co., 1,082.21; C. Beck Mfg. Co.: Oil cloth, sheeting, etc., 108.91; McMahon, Broadfield & Co.: Crockery, etc., 413.88; Gowans, Kent & Co., 68.26; Alex. Gibson: Cutlery, clocks, etc., 136.60; Peterboro Hardware Co.: Cutlery, 151.77; Kingan Hardware Co., 162.75; Adam Hall: Tinware, etc., 42.13; J. Kelly: Painting and decorating, 2,106.07; F. R. Wheatley: Paint'g & dec't'g, 312.91; Elliott & Son Co.: Wall paper, etc., 21.84; Playfair, Preston Co.: Wall paper, etc., 129.89; C. A. Nettleton, 112.21	12,886 81
--	-----------

## Furnishings —

R. Fair & Co., 174.16; N. L. Piper R'y Supply Coy., 18.00; J. Murphy, 141.80; W. Sutcliffe & Sons, 224.85; A. W. Cressman, 133.87; W. P. Rodger: Blankets, 260.00; T. A. Gendron: Sewing machine, 35.00; McDonald & Willson: Elec. fit'gs, 61.55; Keith & Fitzsimons: Plumb. sup., 157.44; Keith & Fitzsimons: Electric wiring and fittings, 1,173.77	2,380 44
J. Dubeau: Livery hire, 19.00; Sundry persons: Board of men, 324.50	343 50
H. Picotte: Cartage, 66.87; G. T. R'y Co.: Freight charges and fares of men, 226.59	293 46
Travelling expenses: P. J. Crotty, 38.45; F. R. Heakes, 89.15; M. C. O'Donnell, 44.75; M. McBrearty, 137.70; J. Sullivan, 7.70; H. E. Moore, 20.65; J. Heyden, 6.30; M. J. Quinn, 22.85	367 65
Geo. Stevenson: Wages of plumbers, 319.55; Harrison & Robertson, 421.55	741 10
J. H. McLaren: Clerk of works, 552.00; travelling expenses, 43.50	595 50
Pay lists: Wages men	8,366 13

## NORMAL AND MODEL SCHOOLS, TORONTO (\$12,272.15).

## New addition:—

J. B. Smith & Sons: Lumber, 73.03; Aikenhead Hardware Co.: Hardware, 18.20; McDonald & Willson: Elect. fittings, 307.00; Bennett & Wright Co.: Elect. wiring and supplies, 472.03; Bennett & Wright Co.: Plumbing supplies, 501.28; Can. Cov'g Co.: Cov'g boilers & mains, 262.00; R. D. Bingham: Metal ceil'g, etc., 371.50; Whetter & Co.: Plastering, 17.60; J. B. Snider: Desks, 160.20; Map & School Supply Co.: Blackboards, 104.10; Wm. Simpson Co.: Cases, tables, etc., 358.85; Pay lists: Men employed, 103.40; Henry Martin & Son: Balce cont., 3,045.00; iron vent. flues, etc., (tender) 777.00; laying plank sidewalk, (tender), 84.00; maple flooring, 58.00; lockers & blackboards, 320.04	7,033 23
--	----------

## Domestic Science:—

Appliances, equipment, etc.: C. Potter, 3.00; Adams Furniture Co., 35.50; W. Junor, 55.25; Rice Lewis & Son, 49.21; Gowans, Kent & Co., 26.14; Meriden Britannia Co., 42.84; Fletcher Mfg. Co., 2.70; Gurney Fdry. Co., 31.75; Burton & Baldwin Mfg. Co., 90.00; (contract), 439.00; McDonald & Willson, 1.35; T. Eaton Co., 60.55; Elliott Son & Co., 40.00; McClary Mfg. Co., 20.41; Library Bureau, 40.00; Geo. Ringham, 14.60; Bennett & Wright Co.: Contract plumbing, 317.00; gas fittings, etc., 41.13	1,313 43
---	----------



PUBLIC BUILDINGS.—Continued.

NORMAL AND MODEL SCHOOLS, TORONTO.—Concluded.

Manual Training:—

Appliances, equipment, etc.: G. Ringham, 8.50; Aikenhead Hardware Co., 307.05;	
J. B. Smith & Sons, 214.00;	A. R. Williams Mch'y. Co., 189.81;
Chas. Rogers & Sons Co., 127.50;	Burton & Baldwin Mfg. Co., 98.00;
Bennett & Wright Co., 32.41	983 27
Patton & Crowe: Fire extinguishers, 120.00; J. B. Smith & Sons, 94.80	214 80
Office Specialty Mfg. Co.:	Chairs for lecture rooms, 493.20;
Geo. Ringham: Repairing roof, 293.35	786 55
Bennett Wright & Co.: Radiators, pipe, etc., 473.73; J. B. Smith & Sons: Lumber, 16.07	459 80
Wm. Elliott Son & Co.: Contract painting, decorating, etc., class rooms and corridors	635 25
J. B. Thomson & Co.: Painting, 74.90;	Howard & Leach Paving Co.:
Concrete walk and steps, 420.40	495 50
Henry Martin & Son: Contract, sheeting ceilings, lecture rooms	320 52

NORMAL AND MODEL SCHOOLS, OTTAWA (\$3,782.74).

Domestic Science:—

Appl'ces, equipment, etc.: J. C. Enright, 103.51; R. Tobin, 193.00; Graves Bros., 81.42;	
Jas. Morrison Brass Mfg. Co., 17.82;	Butterworth & Co., 381.82;
W. A. Murray & Co., 25.00;	Davidson & Thackray, 56.50; J. B. Dufond, 3.40;
Le Blanc & L'Ecuyer, 24.50; Ottawa Gas Co., 4.80; Bryson, Graham & Co., 170.87;	
Harris, Campbell Furniture Co., 24.30; W. S. Howe, 43.50; Ryzie Bros., 7.50;	
Thompson & Livock, 6.30;	A. Rosenthal & Sons, 7.25;
Burton & Baldwin Mfg. Co., 40.00	1,171 49

Manual Training:—

Appliances, equipment, etc.: Blyth & Watt, 6.50; J. H. Smith, 6.00; Graves Bros., 3.85;	
J. Guillet, 25.55; Thompson & Livock, 181.00;	Aikenhead Hardware Co., 9.88;
Steinberger, Hendry Co., 127.42; Christie & McCreddie: Cont., alterations, 320.00;	
Christie & McCreddie: Cont. lumber, 174.04	854 24

Assembly Hall, Class Rooms, etc.:—

Office Specialty Mfg. Co.: Tables & chairs, 428.00;	Davidson & Thackray:
Laying floors, 250.00; sash, 33.00;	C. P. Ry. Co.: Freight charges, 46.56
Powers & Co.: Repairing boilers, 405.55; J. J. Murphy: Repp. roofs, 28.00	433 55
O'Reilly & Murphy: Electric wiring, 37.19; Patton & Crowe: Fire extinguishers, 90.00	127 19
Gutta Percha & Rubber Co.: Hose & couplings, 76.30;	Thompson & Livock:
Pipe, valve, hose, etc., 276.71	353 01
McFarlane & Douglas: Tinning doors, 40.00;	F. R. Heakes: Trav. exps., 45.70
	85 70

NORMAL SCHOOL, LONDON (\$90.00).

Patton & Crowe: Fire extinguishers	90 00
------------------------------------	-------

SCHOOL OF PRACTICAL SCIENCE (\$144,466.20).

Chemical Mining & Milling Buildings:—

G. Duthie & Sons:	Contract, roofing and iron work, 4,203.00;
A. J. Brown:	Account contract, carpenter and joiner work, 20,301.00;
John Aldridge:	Account contract, brick and masonry work, 14,241.00;
Hy. Martin & Sons:	Account contract, whole work, milling building, 5,885.00;
Purdy, Mansell & Co.:	Cont. heating & ventilation, 23,310.00; boilers, 8,905.00;
W. J. Hynes:	Acct. plaster'g, etc., 4,332.00; Ross Bros.: Acct. pn'g, etc., 6,660.00;
W. J. McGuire & Co.:	Account contract, plumbing, 1,800.00; electric wiring, 8,280.00;
Exp'd Metal Co.:	Cont. fireproof floors, 1,960.00; Power Bros.: Cont. ridge vent., 442.94;
Can. Otis Elevator Co.:	Account contract, electric elevators, 1,710.00;
Electrical Construction Co.:	Account contract, engines and dynamos, 4,050.00;
Underfeed Stoker Co.:	Account contract, stokers to boilers, 2,000.00;
J. G. Gibson Marble Co.:	Contract, marble work, lavatories, 745.00;
Dominion Bridge Co.:	Plate girders, 1,675.00; Milton Pressed Brick Co.:
Brick, 26.25;	G. Duthie & Sons: Cleaning ice & snow from floors, 140.00;
Eureka Mineral Wool Co.:	Asbestos paper, 307.64;
W. Maguire: Brick, sand, etc., 68.43; W. J. Hynes: Plaster'g concrete ceil'g, 98.35;	
Rice Lewis & Son: Tile work lvty., 525.00; Consumers' Gas Co.: Gas connection, 10.00;	
Ross & Holgate: Account professional services, electric and boiler plant, 400.00;	
H. C. McBride: Services and expenses examining plans and fortifications, 99.15;	
S. H. Woodbridge: Professional services re heating and ventilation plans, 200.00;	
Jno. O'Connor: Services clerk of works, 700.00; J. Sullivan: Srves insp., 133.20;	
Geo. Henry: Services as inspector, 645.00	113,765 96

## PUBLIC BUILDINGS.—Continued.

## SCHOOL OF PRACTICAL SCIENCE.—Concluded.

## Equipment Chemical, Mining and Milling Buildings:—

C. Rogers & Sons Co.:	Specimen cases, 608.50;	on account	
	construction of gallery and screens, 1,000.00;	contract furnishings, 2,430.00;	
Can. Office & School Furn. Co.:	Desks, 60.50; Gwynne, Ltd.: Quad pumps, 1,270.38;		
Hadfield Steel Foundry Co.:	Crusher, steel mantles, etc., 552.84;		
Wm. Hamilton Mfg. Co.:	On Account shafting, tanks, etc., 2,000.00;		
	Account milling and crushing machinery, 2,000.00;		
Bonnett Furnishing Co.:	Folding tables, settees, chairs, etc., 2,821.80;		
Keith & Fitzsimons:	Account contract plumbing laboratories, 5,157.00;		
T. Eaton Co.:	Window shades, 399.50		18,300.52
Appliances, apparatus, etc.:—			
Weston Electric Co., 15.40;	Fletcher, Russell & Co., 340.38;		
Weston Electric Instrument Co., 180.00;	Leeds & Northrup Co., 121.65;		
Band & Taltock, 215.40;	W. Goddard, 15.70;	Bender & Hobein, 14.10;	
L. Overting, 352.21;	Willyoung & Gibson Co., 18.65;	W. J. Wilson, 15.50;	
W. J. Loudon, 15.00;	Central Electric Supply Co., 66.03;	J. McCausland & Son, 6.25;	
Chandler & Massey Co., 75.74;	N. Gaetner & Co., 504.56;	C. H. Stochling & Co., 132.91;	
Ambrose Kent, 6.75;	Sauveur & Whiting, 49.47;	Jones, Moore Elect. Co., 101.00;	
Chas. Potter, 230.18;	Fletcher Mfg. Co., 8.00;	L. E. Knott Apparatus Co., 11.25;	
A. W. Hall Scientific Co., 287.20;	Dean Bros., 21.54;	Bousch & Lomb, 85.00;	
A. J. Thompson Co., 192.50;	J. Davis & Son, 34.50;	Sawyer & Massey Co., 65.00;	
Jno. Inglis & Co., 49.85;	Max Kachler & Martini, 1,000.40;		
Robinson & Heath:	Express, freight, duty and brokerage, 198.05;		
Trav. Expenses: B. O'Byrne, 6.75;	G. A. Richardson, 9.30;	H. E. Moore, 12.65	4,453 88
Gustav Voigt:	Apparatus for demonstration purposes, old building		267 00
D. Olier Engineering Co.:	do do do		400 00
Geo. Henry:	Contract, removing partition, old building		35 00
Grounds:—			
J. Sercombe:	Sodding, 342.15;	levelling grounds, etc., 1,637.97;	
Jno. Preston:	Crushed stone, etc., for walks, 1,102.05;	overseeing bldg. roads, etc., 79.50;	
	cement walks & roadway, 2,317.46;	levelling grounds, 1,310.38;	
T. Tomlinson & Son:	Culvert gratings and traps, 33.00;		
City of Toronto:	Proportion of cement sidewalk, 294.85;		
Pay lists:	Wages of laborers on grounds, 121.48		7,238 84

## AGRICULTURAL COLLEGE (\$31,959.46).

## Macdonald Institute:—

G. M. Miller & Co.:	On account architect's fees, 3,900.00;		
Stevenson & Malcolm Co.:	Contract putting in sinks, 333.75;		
Lumber: H. A. Clemens & Co.:	70.72;	R. Stewart, 89.95;	
Hardware: G. B. Morris, 1,017.76;		Scarfe & Co., 5.00;	
M. O'Donnell: Iron work, 11.10;		F. Shafer: Tile, 23.45;	
Can. General Elec. Co.:	Lamps, 88.00; Schultz Bros. Co.:	Picture moulding, 250.12;	
J. Morrison Brass Manufacturing Co.:	Electric portables, etc., 216.88;		
Gutta Percha & Rubber Manufacturing Co.:	Fire hose, 240.50;		
Apparatus, appliances, etc.:—			
Chandler & Massey, 459.11;	M. O'Brien, 11.10;	J. Watson Mfg. Co., 16.00;	
Am. Entomological Socy., 62.75;	Steinberger, Hendry Co., 34.88;	Lbry, Bur., 22.15;	
Ont. Agricultural Seed Co., 2.35;	W. Scrimgeour, 100.50;	C. Potter, 4.40;	
T. G. Rice Mfg. Co., 26.25;	Aikenhead H'dw're, Ltd., 3.00;	Geo. Sparrow & Co., 279.05;	
Hamilton Engine Packing Co., 19.50;	Guelph Painting & Decorating Co., 20.98;		
Guelph Light & Power Co., 28.23;	Can. General Electric Co., 447.97;		
Hamilton Stamp & Stencil Works, 13.80;	McLean Mfg. Co., 175.50;		
Rice Lewis & Son, 12.50;	H. A. Clemens, 54.65;	Toronto Con. of Music, 43.01;	
Nordheimer Piano Co.:	3 pianos, 900.00;	J. Hoodless Furniture Co.:	Ref'g'tor, 34.00;
Furniture, Mattresses, etc.:—	J. Davidson, 959.50;	Jones Bros. & Co., 200.40;	
N. A. Bent Chair Co., 179.30;	Globe-Wernicke Co., 35.65;	J. C. Mundell & Co., 6.25;	
W. P. Godard, 51.00;	J. Hoodless Furniture Co., 1,356.06;		
W. A. Murray & Co.:	Shades, 280.70;	Jno. Kay Son & Co.:	Carpets & rugs, 127.07;
G. B. Ryan & Co.:	Blankets & quilts, 117.23;		furnishings, 1,362.71;
Robt. Simpson Co.:	Rugs, 43.00;	T. C. Watkins:	Quilts, 254.45;
Crockery, glassware, etc.:	W. Junor, 765.67;	Gowans, Kent & Co., 11.18;	
J. A. McCrea, 214.03;			

PUBLIC BUILDINGS.—Continued.

AGRICULTURAL COLLEGE.—Concluded.

Macdonald Institute.—Concluded—

Furnishings: G. D. Pringle, 26.00; O. B. Stanton Co., 2.75; Vokes Hardware Co., 28.76;	
Can. Wringer & Specialty Co., 21.00; H. Occomore & Co., 66.10; Meyer Bros., 26.40;	
Fletcher Mfg. Co., 1.80; Wood, Vallance & Co., 15.00; T. Eaton Co., 9.03;	
W. A. Clark, 30.00; Barrie Wicker Work Mfg. Co., 15.45;	
Teaming: H. Barton, 20.00; C. E. Pembleton, 66.50; Guelph Cartage Co., 358.81;	
Grading: Guelph Teaming Co., 756.69; Pay lists: Wages men employed, 1,249.70;	
G. Witter: Stone, 18.60; A. Heffernan: Duty & brokerage, 225.93;	
Express charges: Can. Express Co., 1.20; Dom. Express Co., 8.03;	
Freight charges: G. T. Railway Co., 130.63; C. P. Railway Co., 33.85	18,094 29

Massey Building:—

J. Morrison Brass Mfg. Co.: Bath, boiler etc., 65.70; alter's to elect. lights, 520.18;	
R. W. Phillips: Fitting up bath, 9.50; A. Robertson & Son: Castings, 15.45;	
G. B. Ryan & Co.: Shades, 34.58; Waters Bros.: Frames, etc., 7.00;	
T. O. Page: Collection birds' eggs, etc., 120.00; Pay lists: Wages, 57.74	630 15

Apparatus, appliances, etc., for Laboratories:—

H. J. Green, 32.65; Jas. Robertson, 12.65; Am. Entomological Co., 36.94;	
Lyman Sons & Co., 162.52; Revieu Generale De Lait, 3.24;	
Map & School Supply Co., 149.67; J. F. McBride, 27.60; Columbia Supply Co., 10.00;	
C. MacMillan, 50.00; Mahoney Bros., 5.20; Eimer & Amend, 153.26;	
A. Rumford, 6.90; Chandler & Massey, 24.48; H. Occomore, 94.40;	
R. W. Phillips, 29.74; Guelph Light & Power Co., 50.73;	
Steinberger, Hendry & Co., 167.33; Art Metropole, 3.50; H. A. Clemens Co., 100.89;	
J. Seamen, 32.50; G. D. Pringle, 16.10; Cambridge Botanical Supply Co., 50.86;	
Keuffel & Esser, 40.95; Central Electric Supply Co., 40.75;	
L. E. Knott Apparatus Co., 13.14; E. Leitz, 487.00; Toronto Pottery Co., 8.32;	
G. B. Morris, 8.25; Dom. Radiator Co., 308.64; Fred Smith, 187.87;	
Chemical Surgeons' Supply Co., 140.30; Dom. Express Co.: Charges, 1.60;	
Can. Express Co.: Charges, .50; Freight charges: C. P. Railway Co., 1.83;	
G. T. Railway Co., 1.34; A. Heffernan: Duty & brokerage, 50.10	1,511 75

Museum:—

Jones Bros. & Co.: Cases, 700.00; Am. Entomological Co.: Tablets, 18.80	718 80
---	--------

Lavatories:—

Toronto Coral Marble Co.: Coral marble floor, 199.80;	
Stevenon & Malcolm: Account contract plumbing, 1,530.00;	
Jones Bros. & Co.: Mirror, 7.00	1,736 80
Schultz Bros. Co.: Greenhouse contract	1,300 00

General Repairs:—

Lumber, etc.: H. A. Clemens Co., 394.72; R. Stewart, 678.32;	
J. Kennedy: Sills & stone, 11.74; A. M. McConnell: Sand, etc., 11.50;	
F. Howitt: Sand, etc., 13.00; Standard White Lime Co.: Lime, 29.91;	
Hardware: G. B. Morris, 488.50; Vokes Hardware Co., 35.09;	
J. M. Bond: Pipe castings, etc., 247.30; Jas. Morrison Brass Mfg. Co.:	
Closets, castings, etc., 290.19;	
Crowe Iron Works: Castings, 27.75; A. Robertson & Sons: Castings, 46.49;	
Jas. Robertson & Co.: Castings, 68.46; Smith Callfas: Brick, 76.20	2,420 17

Furnishings:—

G. B. Morris, 146.67; D. E. Macdonald & Bro., 12.90; M. P. Warren, 8.25;	
Fletcher Mfg. Co., 15.50; Waters Bros., 14.35	197 67
Cooking apparatus, etc.: Gurney Foundry Co., 855.60; M. P. Warren & Co., 272.65	1,128 25
Jos. Wood: Plating, 198.30; F. Smith: Plumbing steamfitting, etc., 185.11	383 41
Fibre Asphalt Co.: Roofing, 33.47; W. Russell: Cement walks & floors, 152.30	185 77
Waterous Engine Works: Engine, 291.80; Win. Bruce: Pipe covering, 189.33	481 13
Mineral Wool & Asbestos Co.: Packing, 27.50; Toronto & Ham. Elec. Co.: Gen., 290.00	317 50
Freight charges: Guelph Ry. Co., 4.80; G. T. Ry. Co., 64.03; C. P. Ry. Co., 7.13	76 01
Express charges: Can. Express Co., 1.35; Dom. Express Co., 4.15	5 50
Guelph Street Ry. Co.: Balce due construction additional switch	221 25
Pay lists: Wages: Carpenters, laborers, etc.	1,463 51
Trav. expenses: H. E. Moore, 3.50; F. R. Heakes, 12.25; M. J. Quinn, 11.75	27 50

## PUBLIC BUILDINGS.—Continued.

## EASTERN DAIRY SCHOOL, KINGSTON (\$8,910.94).

McKelvey & Birch: Contract, addition.. .. .	6,919 00
do Account contract plumbing and heating .. . . .	720 00
Wm. Newlands: Architect's fees, superintending .. . . .	334 35
Selby & Youlden: Boiler, 649 00;                      bricking in boiler, 225.00 .. . . .	874 00
G. R. Tomlinson: Electrical work and supplies .. . . .	30 59
F. R. Heakes: Trav. expenses, 10.00;                      M. McBrearty: Trav. expenses, 18.00 .. . . .	28 00
Can. Freeman: Advertising tenders .. . . .	5 00

## CHILDREN'S SHELTER, TORONTO (\$7,012.35).

Cassels, Cassels & Brock: Purchase of building on College street .. . . .	6,000 00
do Legal services                      do .. . . .	59 00
Dominion Bridge Co.: Beams .. . . .	3 25
McDonald & Willson: Gas range, etc., 12.00;                      electric wiring, fixtures, etc., 226.93 .. . . .	238 93
Geo. Knox: Bell hanging, 5.00; Windsor & Woodley: Con. paint'g, decor'g, etc., 393.76 .. . . .	398 76
T. Eaton Co.: Furniture, 62.00;                      J. F. Brown & Co.: Carpets, oil cloth, etc., 154.35 .. . . .	216 35
W. A. Murray & Co.: Blankets, quilts, etc. .... .	38 63
Jno. Kay, Son & Co.: Velour, poles, etc .. . . .	16 53
T. A. Crowley: Pictures .. . . .	40 90

## DISTRICT OF ALGOMA (\$6,354.92).

Lock-up, Chapleau:—	
Langis & Jackman: Stove, etc., 26.03;                      Wilson Bros.: Cell door, 7.10;	
J. J. Adams: Repp. cell door, 2.25;                      C. P. Ry. Co.: Freight charges, 4.55 .. . . .	39 93
Lock-up, Chelmsford:—	
Treas. Tp. Chelmsford: Grant in aid of erec., 500.00;                      R. P. Fairbairn: Trav. exp., 11.90 .. . . .	511 90
Gaol, etc., Sault Ste. Marie:—	
J. J. Cullerton: Con. heat, 3,275.00; bricklaying, carpentering, plaster'g, etc., 112.99;	
Geo. Woolwich: Cont. plumbing, 1,487.00                      Soo Elec. Co.: Cont. wiring, 276.00;	
Soo Elec. Co.: Lamps, etc., 42.55; Farrell & Gallagher: Plumb., cast, etc., 279.85;	
McDonald & Willson: Elec. fixtures, 190.00; McPhail & McCarty: Castings, 83.71;	
C. J. Pim: Insp. re sewer connections, 3.00; W. Hallam: Paper hang'g, etc., 14.19	
Travelling expenses: M. J. Quinn .. . . .	5,793 54
Lock-up, Cutler:—	
Loveland & Stone: Hardware .. . . .	9 55

## DISTRICT OF THUNDER BAY (\$2,281.69).

Lock-up, Port Arthur:—	
Thos. Hanley: Cont. fireproof vault, 995.00;                      G. N. Reynolds & Co.: Vault doors and shutters, 245.00; Wells & Emmerson: Installing heating plant, 1,000.15;	
J. L. Matthews & Co.: Linoleum, etc., 38.54; McArthur & Wilson: Cedar posts, 3.00 .. . . .	2,281 69

## DISTRICT OF MUSKOKA (\$582.85).

Harrison & Robertson: Acct. contract hot water heating gaol, etc., Bracebridge .. . . .	575 00
Travelling expenses: M. J. Quinn .. . . .	7 85

## DISTRICT OF PARRY SOUND (\$246.21).

Court House, etc., Parry Sound:—	
P. J. Kavanagh: Tuck ptg., etc., 136.50; Lount & Smith: Carpentering, etc., 107.96;	
Travelling expenses: F. R. Heakes, 1.75 .. . . .	246 21

## NIPISSING DISTRICT (\$2,812.31).

Registry Office, etc., North Bay:—	
W. A. Martyn: Cont., 1,997.00; W. A. Martyn: Tuck point., decorating, etc., 152.22;	
J. & J. Taylor: Dble div. doors, 228.00; H. Marceau & Son: Con. shed & lay floor, 90.00;	
F. J. Martyn: Desk, table & chairs, 52.00; J. Robertson: Con. cement walk & steps, 85.00;	
W. W. Smith: Bookcase, 10.00;                      Thompson & Angus: Fees supt. erection, 57.53 .. . . .	2,671 75



PUBLIC BUILDINGS.—Continued.

NIPISSING DISTRICT.—Concluded.

Lock-up, Bonfield:—		
J. Loughrin: Stove, etc., 21.00;	John Shayer: Purchase of land, 35.00;	
Purvis Bro.: Electric fittings, etc., 25.96;	Trav. expenses; F. R. Heakes, 21.20	101 16
Lock-up, Sudbury:—		
Sudbury Bld'g Supply Co.: Lumber, 12.80;	Purvis Bros.: Ladder, 9.60..	22 40
Lock-up, Mattawa:—		
J. Bourgeau: Steps and stairs .....		17 00

DISTRICT OF RAINY RIVER (\$2,295.45)

Registry Office, Fort Francis:—		
S. C. Shannon: Bal. of cont., 470.00;	W. J. Innes: Bldg. wood shed, 200.00;	
Office Specialty Co.: Roller shelves & docu't fyles, 435.00;	M. J. Floyd: Furn, etc., 95.35;	
C. J. Hollands: Fees supt. erection, 50.00;	Can. Northern Ry.: Freight, etc., 75	1,251 10
Court House, Rat Portage:—		
A. T. Fife & Co.: Steam heating, plumbing, etc., .....		544 35
Treasurer Tp. of VanHorne: Grant in aid of lock-up at Dryden .....		500 00
<b>Total Public Buildings .....</b>		<b>425,833 64</b>

PUBLIC WORKS.

LAKE NIPISSING BRIDGE (\$3,651.34).

F. Dupuis: To pay wages of men, 1,819.77; 103 days as overseer, at 3.50; 360.50.....	2,180 27
do do provisions, 486.27; to pay for camp equipment, 18.78 .....	505 05
do do tools, h'dw're, etc., 35.50; do feed, 232.46 .....	267 96
do do cutting and sawing lumber, etc. ....	271 11
	<u>3,224 39</u>
Less advanced in 1903, 200.00, and supplies so'd, 65.20 .....	265 20
	<u>2,959 19</u>

B. Lemieux: 26 days as overseer, @ 2.25, 58.50; to pay wages of men, 283.03;	
do do provisions and supplies, tools, etc., 63.64 .....	405 17
Supplies:—	
A. Hamilton: 65.30; C. Putnam: 50.05; N. Dubeau: 37.02; L. Godelph: 27.35	179 72
F. Little: Spikes, iron, etc., 72.11; B. Wickett: Services inspection, 4.00 per day, 12.00;	
Do Travelling expenses, 23.25 .....	107 25

WABIS RIVER BRIDGE (\$2,773.33)

John McCracken, to pay:—G. Delury, overseer, @ 3.00 per day, 294.00	
Pay lists: Wages, 621.63; Ironwork, 198.01; timber, etc., 603.73;	
Meals for men, 163.96; Right of way, 15.00;	
W. K. McNeil, overseer @ 2.00 per day, 69.50; wages of men, 499.64;	
A. D. Hermiston, overseer, @ 2.00 per day, 20.00; wages of men, 70.46	
Postage, .90 .....	2,556 83
Less advanced in 1903 .....	1,400 00
	<u>1,156 83</u>
W. Fisher, overseer @ 2.00 per day, 160.00; wages of men, 1,277.67;	
Tools, etc., 30.00; lumber, etc., 51.98; blacksmithing, 11.50;	
Right of way, 50.00 .....	1,581 25
Less sale of lumber .....	25 00
	<u>1,556 25</u>
J. McCracken: Services as inspector .....	60 25

SUNDAY CREEK BRIDGE. (\$603.00)

Jas McDonald: On account contract, 600.00; F. J. Preston: Protecting bridge, 3.00	603 00
---	--------

## PUBLIC WORKS.—Continued.

## LA BLANCHE RIVER BRIDGE (\$2,929.87.)

Jno. McCracken, paymaster: To pay T. S. Taylor, overseer @ 2.50 per day .....	50 00
Pay lists, 301.56; lumber, timber, etc., 28.13; groceries and supplies, 70.77.....	400 0)
Feed, 117.57; tools, 14.55.....	132 12
	582 58
Less hay sold .....	11 50
	571 08
Jas. McDonald: Contract bridge, lot 6 & 7 Evanturel, 667.74; lot 8 Evanturel, 150.40....	818 14
do lot 8 Marter and Evanturel, 650.95; lot 9 732.30.....	1,383 25
do bridge repairs, lots 6 & 7 Evanturel .. . . . .	51 40
John McCracken: Services inspector, 5.00 per day, 95.00; expenses, 11.00.....	106 00

## COMBERMERE BRIDGE. (\$1,254.50.)

W. Edwards: To pay wages men employed, 656.20; M. H. Lynn: Services as inspector, 4.00 per day, 124.00 .....	780 20
Fred Train: Accountable, 75.00; D. C. Leckie: Iron work, etc., 45.55 .. . . . .	120 55
Toronto Bolt & Forging Coy.: Rods, bolts, plates, etc., 269.60; W. E. James: Spikes, nails, etc., 29.73.....	299 33
W. Boyle: Timber, etc., 14.42; F. Train: Trav. expenses, self and men, 18.15 ....	32 57
T. W. Burton: Trav. expenses .. . . . .	21 85

## STEEL BRIDGE, LAKE OF THE WOODS. (\$15,884.78.)

Kelly Bros.: Contract, sub-structure, 3,800.57; Locomotive Machine Co., 11,205.00.....	15,005 57
Rat Portage Lumber Co.: Lumber, 41.60; A. T. Fife & Co.: Iron work, 34.55 .....	76 15
T. W. Burton: Inspector, 3.00 per day, 474.00; Trav. expenses and disbursements, 197.31	(71 31
R. P. Fairbairn: Trav. expenses .. . . . .	131 75

## SWING BRIDGE, RYERSON. (\$1,895.06.)

Wm. McLaughlin: Contract, 178.06; timber, 206.64 .. . . . .	384 70
J. B. Smith & Sons: Lumber, 346.75; S. Marsden: wood, 9.00; A. Leggate: stumpage, 5.60 .....	361.35
A. A. Agar: Supplies, 57.47; Lamb & Smith, 72.50; A. Millar, 34.95 .....	164 92
J. Wiseman: Supplies, 2.10; livery hire, 2.50; Hilliar & Clark: spikes, etc., 44.53 ....	49 13
J. H. McGuire: Board of men .. . . . .	3 25
Pay lists: Men employed .. . . . .	913 26
Travelling Expenses: W. O'Neil, 13.25; G. Winckeroth, 5.20 .. . . . .	18 45

## STANLEY BRIDGE, THUNDER BAY. (\$4,860.57.)

E. Anderson: Timber, etc., 82.20; A. Todd, 344.74; J. Modine, 54.00 .....	480 94
E. Sundberg, 115.60; Vigars & Co.: lumber, 78.59; Pigeon River Lumber Co.: lumber, 1,161.35 .....	1,355 54
Northern Land Lumber Co: Lumber, 458.06; Wells & Emmerson: hardware, tools, etc., 548.26 .....	1,006 32
Woodside Bros.: Hardware, etc., 42.93; J. Jackson: supplies, 6.50 .. . . . .	49 43
Dom. Fish Co., 6.30; A. Wilson, 110.50; W. F. Fortune, 87.02 .. . . . .	203 82
W. C. Campbell & Co.: 85.06; W. C. Dalton, blankets, 36.75 .. . . . .	121 81
N. McDougall: Inspection, one day, 7.00; Can. Northern Railway: freight chgs., 37.67	44 67
Pay lists: Men employed .. . . . .	1,598 04

## BLIND RIVER BRIDGE (\$940.05).

Soo Lumber Co.: Lumber, 63.80; Eady Bros.: lumber, 70.76; freight chgs., 11.16..	145 72
Michigan Land & Lumber Co.: 6.63; F. Braithwaite, nails, etc., 17.05 .....	23 68
Algoma Iron Co.: Bolts, washers, etc., 131.71; C. Mathie, 193.35 .. . . . .	325 06
R. Lang to pay fares of men, 7.90; C. P. Railway: freight charges, 62.76 .....	70 66
J. F. Boyd: To pay postage, .30; inspection, 6 days, 42.00; trav. expenses, 9.65.....	51 95
Pay Lists: Wages of men .. . . . .	1,223 98
	1,840 50
Less advanced in 1903 .. . . . .	900 00

940 05-

## PUBLIC WORKS.—Continued.

## SEVERN BRIDGE (\$2,500.00).

Treasurer County Simcoe: Grant towards construction ..... 2,500 00

## SEQUIN RIVER BRIDGE (\$3,754.00).

Hamilton Bridge Works Co.: Contract superstructure ..... 3,685 00  
Alex. Dick: Inspection..... 69 00

## RAINY RIVER ROAD BRIDGES (\$2,361.01).

W. J. Anderson: Accountable, 1,000.00; J. A. Tierney: Inspection, 5.00 day, 15.00 1,015 00  
Pay lists: Wages men, 276.57; G. Kydd: Lumber, 51.20; J. Locking: Lumber, 43.94 ... 371 71  
Rat Portage Lumber Co.: Lumber, 544.76; J. Reed, 246.00 ..... 790 76  
Supplies: A. W. Matthewman: 8.47; C. B. Stewart: 57.28; R. B. Langstaff, 6.25 72 00  
W. J. Holmes: Iron, etc 44.65; Rainy River Navigation Co.: Freight charges, 66.89 111 54

## MUSKOKA LAKES WORKS (\$2,438.60).

Lumber, timber, etc.: J. H. McDermott ..... 1 41  
Mrs. C. E. Wallis, .96; Mickle Dymont, Sons, 7£2.28..... 785 24  
Spikes, nails, bolts, etc.: W. Hanna & Co., 137.60; R. B. Macury & Sons, 7.85..... 145 43  
W. J. Batten: Blacksmithing, 55.28; R. J. Stroud: Stone, 246.00; W. Fowler, 58.00 359 23  
Jos. Ruddy: Purchase of water lot, 25.00; J. E. Lount: Abstract title, 1.05 ..... 26 05  
W. McCully: Board of men, 37.89; G. Connell & Co., 81.50..... 119 39  
Muskoka Lakes Navigation Co.: Fares of men..... 10 50  
Alex. Ross: Trav. exp., 10.10; R. P. Fairbairn, 12.25; J. Brooks, 5.90; M. Mulcahy, 5.90 34 15  
G. N. W. Tel.: Telegrams, 1.25; Pay lists: Men employed, 957.87..... 959 12

## BURK'S FALLS DOCK (\$1,822.99).

J. B. Smith & Sons: Timber, 33.45; Knight Bros. Co.: Do, 50.09..... 83 54  
Estate J. T. Young: Hardware, castings, etc., 30.23; Hilliar & Clarke: Do, 94.63 124 86  
R Mowery & Sons: Castings, etc., 25.55; J. McCrae: Ironw'k, 3.99; A. Cullen & Sons, 3.10 30 62  
Supplies: A. A. Agar, 145.19; Mrs. J. N. Dodds, 9.18; Lount & Smith, 45.73 ..... 200 10  
E. Windross: Wood..... 27 00  
Towing, etc.: J. C. Wallis, 6.00; Capt. Walton, 26.00; Gerow & Culbert, 10.00... 42 03  
Geo. Connell & Co.: Board of men, 24.51; J. A. McEachren, 4.80..... 29 51  
A Mills: Exps. & disbursements, 55.59; N. Anderson: Trav. exps., 3.50; G. Wilder, 7.05 66 94  
G. T. Ry. Co.: Freight charges, 64.35; Pay list: Wages of men, 1,154.27 ..... 1,218 62

## WAWA ROAD BRIDGE (\$1,198.59).

C. Grillier: Foreman, at 3.00 per day, 75.00; to pay postage, etc., 1.85;  
Pay list: Wages of men, 704.50 ..... 781 35  
M. Rothchild: Provisions, etc., 281.80; hire of cooking utensils, 5.00 ..... 286 00  
F. M. Reynolds: Meals of men, 2.00; C. P. Ry. Co.: Freight chgs., 3.13; Algoma Cent., .78 5 91  
J. F. Boyd: Inspector at 7.00, 84.00; trav. expenses, 38.95; to pay postage, 1.38 .... 124 33

## REMOVING OBSTRUCTIONS IN NORTH RIVER (\$659.14).

Hamilton Powder Co.: Explosives, 38.75; G. W. Ecclestone, 79.18 ..... 117 93  
Macnab Bros.: Tools, 21.86; W. Ecclestone, 2.50; Robinson C'rage W'ks: B'ksmith'g, 2.80 27 16  
A. Middleton: Use of blast, 10.00; G. Carswell: Teaming, 2.50; M. A. Dunn, 5.00..... 17 50  
C. Dunn, 6.00; Mary Dunn, 5.50; M. M. Carswell, 2.50; J. G. Campbell: Disb. 5.65 19 65  
Can. Express Co., 3.60; G. T. Ry. Co., .55; W. D. Hall: To pay freight chgs., 3.00 7 15  
Pay list: Men employed ..... 469 75

## BLACK BRIDGE, MUSKOKA (\$1,500.00).

Treasurer Township Draper: Grant towards construction ..... 1,500 00

## NOGEY'S CREEK BRIDGE (\$481.85).

Robert Shaw: Foreman, at 2.50, 57.50; postage, .30; Pay lists: Men employed, 424.05 481 85

## PUBLIC WORKS.—Continued.

## DEEPENING INDIAN RIVER (\$1,421.16).

John Legate: Rooter plow, 27.00; D. Mackenzie: Blacksmithing, 11.22	38 22
R. McDowall: Fees & disbursements, 51.75; Pay lists: Men employed, 1,331.19	1,382.94

## CASSIMER CREEK IMPROVEMENTS (\$30.56).

J. Boyle: Overseer, 2.25 per day, 28.12; Pay list: Wages of men, 127.70;	
C. Putnam: Explosives, 3.24	159 05
J. Legrissiler: Explosives, 40.75; P. Fitzgerald: Coal, 1.50; Wm. Burke: Use drill, .75	43 00
E. Lamorex: Cartage, 1.50; A. Duharn: Cartage, 2.00	3 50
	205 56
Less advanced in 1903	175 09

## BRIDGE, WASDALE (\$1,000.00).

Treas. Co. Ontario: Grant towards construction, 500.00; Treas. Co. Simcoe, 500.00	1,000 00
---	----------

## BRIDGE, JEAN BAPTISTE RIVER (\$98.31).

R. W. Anstin: Cont., 400.00; T. Harold: Removing and repl'g old bridge, 30.46	430 46
J. McCracken: Inspecting, 5.00 per day, 45.00; trav. expenses, 4.25	49 25
	479 71
Less refund re advance, 1903	381 40

## BRIDGE, ROUND LAKE ROAD (\$19.00).

J. McCracken: Services inspecting, 5.00; H. Robertson: Services protect'g bidge., 7.00;	
P. Haley: Services protecting bridge 7.00	19 00

## BAYSVILLE BRIDGE (\$2,047.50).

Treas. McLean & Ridout: Grant towards const., 2,000.00; Pay lists: Men employed, 30.25	2,030 25
Alex. Ross: Trav. exps., 12.00; Can. Express Co.: Charges on diving apparatus, 5.25	17 25

## CALABOGIE BRIDGE (\$800.00).

Treas. Township Bagot Grant towards reconstruction of bridge	800 00
--	--------

## ECHO RIVER BRIDGE (\$1,332.11).

Echo Bay Lumber Co.: Lumber, 339.79; G. Shirgwank: Timber, 75.60	415 39
A. Findlay: Piles, 144.00; Algoma Iron Works: iron work, 81.69; Moore & Brown: hardware, 12.25	237 94
A. Robertson: Hardware, 6.28; W. P. Rush: Dressing lumber, 2.00; W. Hicks: blacksmithing, 25.55	33 63
A. Findlay: Board of men, 98.55; R. Lang: Trav. expenses and disbursements, 20.49; pay lists: men employed, 526.11	645 15

## WAHNAPIATAE BRIDGE AND APPROACHES (\$4,642.49).

Geo. Gordon & Co.: Timber, 811.98; J. M. Bowland, 75.00; Toronto Bolt & Forging Co.: rods, bolts, etc., 126.63	1,013 61
R. Lillie: Hardware, tools, etc. 103.76; Aikenhead Hardware Co., 8.93	112 69
Victoria Harbor Lumber Co.: Tools, 15.41; D. Somers: Blacksmithing, 12.60;	
G. Hamilton: Blacksmithing, 1.50	29 51
Can. Construction Co.: Blacksmithing, 4.75; G. Thompson: Use of plow, 6.00	10 75
Provisions: E. Maurice, 184.65; E. Harris, 32.21; F. Rioux, 174.71; H. Harris, 17.50;	
J. Fortin, 4.20; Victoria Harbor Lumber Co., 27.00; P. Burns & Co., 21.14	461 41



## PUBLIC WORKS.—Continued.

## WAHNAPIITAE BRIDGE AND APPROACHES—Continued.

C. Gauthier: Board of men, 25.00; P. Donovan, 3.40; Grand Union Hotel, 23.40; McDonald Bros., 16.80; Victoria Harber Lumber Co., 56.80; T. Braun, 10.00.....	135 40
R. H. Paterson: trav. exps., and disbursements, 62.39; R. P. Fairbairn: trav. exps., 22.95	85 35
C. P. Railway: Freight charges, 16.43; C. Britton: Men, teams and labor driving piles, 159.00.....	175 43
Pay Lists: Wages of men .....	2,618 36

## DELTA CREEK IMPROVEMENT (\$99.24.)

C. N. Philps: Tools, etc., 6.00; A. Halliday: Rope, 2.89; pay lists: Wages, men, 90.35	99 24
--	-------

## MAGANETAWAN RIVER DAM (\$569.43).

John Davis: Timber, 268.19; B. Mickle: Timber, 38.66; A. Bailod: Painting sign, 5.00	311 85
J. Brown: Provisions, 3.95; C. F. Radford, 8.24; Mrs. J. McKinnon: Board of men, 19.83 .....	32 02
W. O'Neill: Disbursements, 14.25; A. Wells: trav. exps., 4.20; R. P. Fairbairn, 21.85	43 30
Pay lists: Wages of men .....	185 26

## LAKE MIC LAKE (\$214.07).

Croft Lumber Co.: Lumber, 3.06; J. G. Edwards: iron work, 5.35; King Bros. Co.: 1.20	10 21
R. Andrews: Blacksmithing, 42.00; Maganetawan Lumber Co.: Wood, 2.61 ..	44 61
Pay Lists: Wages men .....	159 25

## OUTLET DRAINS (1,300.00.)

Areasurer Township Brooks: Grant in aid outlet drain, to Durham Creek .....	1,300 00
---	----------

## BLACK RIVER BRIDGE (\$9.48)

B. Wicket: Balance expended in 1903. (See Public Accounts) .....	9 48
--	------

## RAINY RIVER DOCK (\$75.00).

W. J. Holmes: Purchase of old dock .....	75 00
--	-------

## DRAINAGE WORKS (\$19,763.23).

Treasurer Township Boscawen: Grant towards construction Nesbit Drain .....	300 00
do do Roxborough do do do Fraser Creek .....	200 00
do do do do do do with branch, McIntosh .....	2,070 00
do do Derby: do do do Pottawattamie .....	3,000 00
do do Douro: do do do Douro .....	1,200 00
do do Rochester: do do do Ruscombe .....	3,000 00
do do Tilbury, E. do do do Forbes Centre .....	2,000 00
do do Mersea: do do do Pelee Point .....	2,000 00
do do Bromley: do do do Snake River .....	5,000 00
Christie Bros.: Tools, 2.25; Butchart Bros.: Tools, 1.75; G. A. Hills: Scraper, 6.00;	
W. Hempstreet: Blacksmithing, 11.10; J. Legate: plow, 27.00	
R McDonald: Fees, etc., as engineer Mud Lake Drains, 56.25	91 35
Pay lists: Wages of men .....	6,688 88

## SURVEYS, INSPECTIONS, ETC. (\$1,804.40.)

F. D. McNaughton: Office and field work, survey River Aux Raisin, 162.00; J. A. Bell: disbursements, 93.00; D. J. Gillon: 6 days' work, survey Joel Frances water power, 42.00; J. Gagne: Hire of boat re transport, surveys, 15.00 .....	324 00
Fitton & Smith: Services and disbursements, self and men surveying line Nottawa-saga R. ..	277 95

PUBLIC WORKS.—*Continued.*SURVEYS, INSPECTIONS, ETC.—*Concluded.*

E. T. Wilkie: Surveying, 7.00 per day, Nation R., 67.00; to pay assistance, 15.00; Trav. expenses, 19.55.....	101 85
W. A. McLean: Trav. expenses: survey canal between Lakes Matagamasing and Metagamasing and Wahnapiatae.....	56 95
J. S. Laird: Surveying, 6.00 per day, 240.00; F. D. McNaughton, do., 168.00; Harkness & Milligan: Assisting on assessment and report, 55.90; J. S. Laird: To pay men assisting, 49.78; do., to pay board of seif and men, 65.50; trav. expenses, 61.85	621 03
Keewatin Bridge: A. T. Fife & Co.: Tools, etc., 1.70; T. W. Burton: to pay assistant, freight, cartage, etc., 14.25.....	15 95
Trent Valley Waters: Pay list, men employed, 8.25; trav. expenses: A. Mills, 4.15; P. Grozelle, do., 4.15; Alex. Ross. do., 4.15.....	20 70
General expenditure:—	
J. Stewart: livery hire, 2.50; R. P. Fairbairn: trav. expenses, 383.47.....	385 97

## LOCKMASTERS', BRIDGETENDERS' AND CARETAKERS' SALARIES (\$5,251.16).

Thos. Walters: Eight months' salary as Superintendent .....	800 00
W. H. White: Two do do do .....	200 00
W. McIntosh: Services as Lockmaster at Rosedale .....	240 00
John Makins: do do Lindsay .....	401 00
E. Davidson: do do Port Carling .....	300 00
P. P. Young: do do Young's Point .....	401 00
W. Robinson: do do Huntsville .....	300 00
W. Kennedy: do do Magnetawan .....	500 00
T. Burgess: do Caretaker works at Bala.....	300 0
S. Smith: do do dam at Port Sydney .....	100 00
J. Knoepfly: do do do Ah Mic Lake .....	160 00
D. Galway: do do works at Norland and Elliott Falls	60 00
Jno. Westlake: do do dam at Mississiqua and Bottle Lake ..	75 00
H. C. Austin: do do do Kinmount .....	100 00
John Cheney: do do do Scott Mills .....	50 00
Jas. Bayne: do do do Deer Lake .....	360 00
N. Lunay: do do do Keewatin .....	300 00
J. Westlake: do do do Eagle Lake .....	25 00
do do do Deer Lake.....	25 00
Enoch Cox: do Bridgetender Port Sandfield .....	100 00
D. O'Connell: do do Lindsay .....	162 50
P. O'Connor: do do do .....	25 00
C. Campbell: do do Indian Point .....	50 00
G. Selkirk: do do Huntsville.....	203 33
A. Miller: do do Ryerson.....	208 33

## MAINTENANCE LOCKS, DAMS, ETC. (\$10,296.72)

## Timber, etc.:—

T. Burgess, 42.32; E. C. Edwards, 86.55; E. D. Young, 6.60; J. Whiteside, 413.76; Rathbun Co., 30.01; Croft Lumber Co., 414.55; A. Peno, 60.40; G. Gordon, 39.29; McNeill & Co., 24.50; J. Morrison, 74.65; Knight Bros. Co., 54.40; Mrs. A. Hunter, 5.66	1,250 47
---	----------

## Lumber, etc.:—

Irons and Winnacott, 19.00; Mickle, Dyment & Co., 25.67; S. H. Jacobs, 265.77; W. N. Blewet, 9.50; J. B. Smith & Sons, 46.62; T. Simpson, 35.60; W. MacLachlan, 12.36; T. Stinson & Sons, 9.81; Jno. Davis, 99.28.....	519 61
P. A. Kearney: cement, etc.....	9 73

## Hardware, tools, castings, iron work, etc.:—

W. Hanna & Co., 15.58; W. J. Batten, 22.91; J. E. Clipsham, 5.00; R. Heard, 4.40; J. G. Edwards & Co., 27.05; G. H. McGee, 10.62; Paterson & Bray, 78.90; McLennan & Co., 70.58; White Bros. 60.67; G. McKnight, 10.29; Alex. Campbell, 1.50; Hillier & Clark, 89.98; J. E. Farrelly, 12.00; F. Davison, 5.85; R. Lillie, 9.07; Wells & Emmerson, 150.45; C. W. Tully, 3.35; A. T. Fife & Co., 14.87; M. Pelletier, 160; J. Welch, 3.10; Rat Portage Hardware Co., J. McCrae, 52.53; A. H. McLachlan, 1.75.....	665 20
---	--------

PUBLIC WORKS.—*Concluded* COLONIZATION ROADS.MAINTENANCE LOCKS, DAMS, ETC.—*Concluded.*

## Provisions and Supplies :—

Thos. Smith, 2.82;	P. Onlette, 5.56;	J. E. Fisher, 5.78;	J. G. Martin, 72.32;	
Trussler Bros., 28.75;	O'Laughlin & McIntyre, 2.15;	D. J. Hartwell, 76.40;		
J. Brooks, 3.00;	T. Brady, .88;	W. L. Robson, 60.03;	D. McEwen, 1.00;	
A. Millar, 2.85;	Lamb & Smith, 7.03;			263 57
Miles Macdonell: Inspecting drive of logs at 3.00 per day; Lake Metegamasing, 42.00;				
trav. exps., 22.65;				64 65
T. W. Thomson: Looking after stop logs, Dryden dam;				10 00
Driving Apparatus: Ontario Rubber Co., 56.25;		Cathro & Co., 2.25;		58 50
Repairing diving Apparatus: W. Webster, 16.96;		J. Berry, 1.50;		18 46

## Board of Men :—

W. McCully, 13.70;	A. Saccett, 22.61;	J. Shea, 14.45;	M. J. Lacheaur, 32.85;	
A. Graham, 25.40;	J. A. Lucas, 23.75;	J. H. McGuire, 9.75;	J. F. Gilmour, 7.50;	
M. Mulcahy, 1.00;	W. E. Brooks, 12.00;	D. Bowen, 5.44;	G. Cannell & Co., 4.00;	
Mrs. J. McKinnon, 92.25;	J. Cook, 8.00;	P. A. Barr, 21.15;	C. Tillson, 17.50;	
Jas. Bayne, 19.44;	D. Roberts, 18.75;	A. Peno, 34.85;	W. Welch, 12.14;	
S. Switzer, 16.60;				407 13

## Teaming :—

W. J. Madill, 4.15;	S. H. Jacobs, 10.25;	S. A. Sine, 4.00;	Robt. Homes, 14.00;	
Jno. Jacques, 26.00;	J. Kearns, 2.75;	J. H. Doan, 1.00;	J. Welch, 4.50;	N. Zuefeldt, 1.25
				67 90

## Livery Hire :

B. Gunigie, 15.00;	J. Kennedy, 7.50;	A. Stinson, 45.85;	G. Sutton, 2.50;	
J. A. Lucas, 8.00;	A. Graham, 2.40;	J. H. Mills, 1.50;	Mrs. J. McKinnon, 3.00;	
A. S. Roafland, 4.50;	D. McKereher, 4.50;			91 75

## Freight, Express and cartage charges :—

N. Zuefeldt, 4.31;	Wilder & Co., 11.20;	Can. Express Co., 27.65;		
J. E. Clipsham & Sons, .40;	N. H. Sleeman, 10.50;	G. T. Railway Co., 1.80;		
C. P. Railway Co., 5.72;				61 53
A. Walton: towing, etc.				3 50

## Travelling Expenses :—

M. C. O'Donnell, 18.85;	J. Pearson, 92.50;	W. O'Neill, 70.45;	G. Wilder, 30.30;	
W. Barnes, 13.25;	P. Grozeile, 6.85;	W. H. White, 28.25;		267 45

## Travelling Expenses and Disbursements :—

Alex. Ross, 155.78;	J. Brooks, 15.33;	Robert Long, 21.00;		
A. Mills, 13.15;	Estate late T. Walters, 98.35;			303 61

## Fares of Men :—

Muskoka Lakes Nav. Co., 6.60;	J. Brooks, 20.01;	G. Wilder, 24.30;		50 91
Bell Telephone Co: messages, .80;	Postmaster: postage stamps and rent of box, 3.70;			4 50
G. N. W. Tel. Co.: telegrams;				4 34
B. Wickett: Accountable Pickerei Bridge, 900.00;	Six Mile lake bridge, 400.00			1,300 00
Pay lists :—Wages, men employed.				4,850 86

Total Public Works..... 102,282 34

## COLONIZATION ROADS, \$175,620.74.

Alice Tp. Roads	W. Phalen: Overseer, 27 days, at 2.25	60 75	
do	Pay lists: Wages of men employed	321 00	
do	W. H. Munro: Rent of wagons, scrapers, etc.	43 35	
		425 10	
do	Less amount of account unpaid	85 10	340 00
Alice Tp. Roads	M. Ashick: Overseer, 20 days at 2.25	45 00	
do	Pay lists: Wages of men employed	224 00	
do	Dunlop & Co.: Dynamite, etc.	22 80	
do	Sundry persons: Scraper and tools	15 25	
		307 05	
do	Less sale of tools	16 00	291 05

## COLONIZATION ROADS.—Continued.

Alice 8 Con. Road	F. Daber: Overseer, 9 days at 2.25	20 25	
do	Pay lists: Wages of men employed	121 50	
do	Jno. Stewzal, cedar	4 00	
do	Sdry. persons: Dynamite tools & blacksmithing	6 65	
			152 40
Amable Du Fond Bridge	D. Adams: Overseer, 26 days at 2.50	65 00	
do	Pay lists: Wages of men employed	309 50	
do	J. Wilson: Lumber	17 25	
do	J. Loughrin, tools, etc.	12 00	
do	Postage	10	
		403 85	
do	Less sale of tools	2 80	
			401 05
Appleby and Dunnett			
Town line	Paul Gervais, overseer, 13 days at 2.25	29 25	
do	Pay lists: Wages of men employed	169 00	
do	V. Poission, repairs to tools	1 35	
Appleby and Dunnett			199 60
Town Line	Jos. Lemoges: Overseer and paymaster		
do	Pay lists: Wages of men employed	107 15	
do	Less amount of account unpaid	17 15	
			90 00
Arden & Harlow Road	J. A. Newton: Overseer, 17½ days at 2.25	39 37	
do	Pay lists: Wages of men employed	155 32	
do	Sdry. persons: Powder, blacksmithing & postage	5 31	
			200 00
Airy Tp. Bridge	Wm. McFarlane: Overseer, 21 days at 2.25	47 25	
do	Pay lists: Wages of men employed	236 25	
do	B. Hartney: Tools	16 25	
do	Freight, postage, etc.	1 01	
			300 76
Ardoch Bridge Repairs	W. J. Fraser: Overs'r & bridge bld., 4 days at 2.25	9 00	
do	Pay lists: Wages of men employed	9 00	
do	W. J. Fraser: Cedar	8 25	
do	Lyon Bros.: Timber	5 44	
do	R. M. Munro: Nails, etc.	1 55	
			33 24
Awenge Road	Malcolm Allan: Overseer, 25 days at 2.25	56 25	
do	Pay lists: Wages of men employed	543 24	
do	Postage, etc.	16	
do			599 65
Ardtree & Washago Road	Alex. Trimble: Overseer, 8 days at 2.25	18 00	
do	Pay list: Wages of men employed	264 61	
do	Leatherdale & Boyd: Lumber	13 38	
do	G. H. White: Tile	5 67	
Axe Lake & Banbury			301 66
Lake Road	Jas. Daley: Overseer, 14 days at 2.25	31 50	
do	Pay list: Wages of men employed	163 82	
do	W. H. Dixon: Tools	5 65	
do	Sundry persons: Lumber, blacksmithing, etc.	4 70	
			205 67
Ashdad & Shamrock Road	John Fitzgerald: Overseer, 15 days at 2.25	33 75	
do	Pay lists: Wages of men employed	166 50	
			200 25
Appleby Con. 2 & 3 Road	Jos. St. George: Overseer, 8 days at 2.25	18 00	
do	do 16 days at 1.25	20 00	
do	Pay lists: Wages of men employed	167 00	
			205 00
Albemarle Tp. Road	E. White: Overseer, 7 days at 2.25	15 75	
do	Pay lists: Wages of men employed	84 12	
do	Powder	18	
			110 00



## COLONIZATION ROADS.—Continued.

Badgerow Tp. Roads	Moise Labelle: Overseer, 11 days at 2.25	24 75	
do	Pay lists: Wages of men employed	112 50	
do	L. G. Paunt: Timber for bridge	12 56	
do	E. Maurice: Dynamite	60	
do	Camile Deschamp: Overseer, 7½ days at 2.25	16 31	
do	Pay lists: Wages of men employed	131 1½	
do	Postage	20	
Bancroft and Maynooth Road	John Rody: Overseer, 21 days at 2.25	47 25	298 06
do	Pay lists: Wages of men employed	233 31	
do	G. E. Weaver: Tools and powder	7 33	
do	J. Shields: Use of scraper	5 25	
do	Sundry persons: Blacksmithing, etc.	6 86	
Barry's Bay and Combermere Road	G. Rarneskie: Overseer, 21 days at 2.25	47 25	300 00
do	Pay lists: Wages of men employed	231 00	
do	McCann Bros.: Plow	12 00	
do	Sundry persons: Tools and postage	9 95	
Battersea & Bass Lake Road	S. Jamieson: Overseer, 17 days at 2.25	38 25	300 20
do	Pay lists: Wages of men employed	170 93	
do	W. Sutherland: Dynamite, etc.	8 08	
Blue Sea Road	Eugene Gauvreau: Overseer, 15½ days at 2.25	35 45	217 25
do	Pay lists: Wages of men employed	240 02	
do	P. Gagnon: Plow	14 00	
do	Sundry persons: Tools, blacksmithing, etc.	10 53	
Boulter Road	Jos. Pacaud: Overseer, 14 days at 2.25	31 50	300 00
do	Pay lists: Wages of men employed	178 50	
do	Thos. Cahill, Jr.: Scraper	7 50	
Bonfield Road	C. Raincourt: Overseer, 24 days at 2.25	54 00	217 50
do	Pay lists: Wages of men employed	235 83	
do	J. L. Sequin: Plow, etc.	13 40	
do	Sundry persons: Tools, repairs, etc.	12 47	
do	P. Gagnon: Overseer, 18 days at 2.25	40 50	
do	Pay lists: Wages of men employed	135 93	
do	J. Gagnon: Tools, blacksmithing, etc.	6 55	
do	Sundry persons: Tools, cartage, postage, etc.	17 92	
Bonfield & Lachapelle	F. Sampson: Overseer, 13½ days at 2.25	30 37	516 55
do	Pay lists: Wages of men employed	165 35	
do	Sundry persons: Tools, blacksmithing, etc.	4 23	
Bonfield Road	X. Myre: Overseer, 15 days at 2.25	33 75	200 00
do	Pay lists: Wages of men employed	153 77	
do	J. B. A. Pigeon: Tools	9 55	
do	Sdry. persons: Blacksmithing, wagon hire, etc.	2 93	
Byrnes Line Bridge	Thos. Byrne: Overseer, 5 days at 2.25	11 25	60 60
do	Pay lists: Wages of men employed	28 75	
do	J. Scott: Timber	5 00	
do	Craig & Austin: Timber	3 75	
do	Sundry persons, chain and repairs	11 85	
Bowles & Shannon Rd	M. R. Bowles, overseer, 20 days at 2.25	236 00	
do	Pay lists, wages of men employed	176 90	
do	W. H. Sutherland, tools and dynamite	11 45	
do	N. H. Williams, tools	2 45	
		236 00	
do	Less amount of account unpaid	36 00	200 00

## COLONIZATION ROADS.—Continued.

Broughham Tp. Roads	Austin Moran, overseer, 14 days at 2.00 .....	28 00	
do	Pay lists, wages of men employed .....	178 50	
do	M. Carter, tools .....	10 45	
			216 95
Brougham Tp. Roads..	Ed. Ryan, overseer, 14 days at 2.25 .....	31 50	
do	Pay lists, wages of men employed .....	228 00	
do	Postage, etc. ....	50	
		260 00	
do	Less amount of account unpaid .....	80 00	
			180 00
Brudenell Twp. Roads..	Wm. Corrigan, overseer, 14 days at 2.25.....	31 50	
do	Pay lists, wages of men employed .....	66 24	
do	Paid for use of tools, etc. ....	3 00	
do	Michael Roche, overseer, 13 days at 2.25 .....	29 25	
do	Pay lists, wages of men employed .....	222 95	
do	Tools, postage, etc. ....	1 75	
do	Wm. Whalen, overseer, 12½ days at 2.25 .....	28 13	
do	Pay lists, wages of men employed .....	123 00	
do	Sundry persons, tools .....	7 45	
		513 27	
do	Less sale of tools by Whalen .....	3 25	
			510 02
Euckhorn Roads .....	Robert Shaw, overseer, 14 days at 2.50 .....	35 00	
do	Pay lists, wages of men employed .....	473 44	
do	Sundry persons, tools, postage, etc. ....	3 55	
			511 99
Burleigh Roads .....	T. G. Eastland, overseer, 14 days at 2.25 .....	31 50	
do	Pay lists, wages of men employed .....	180 01	
do	Sundry persons, tools and freight .....	6 00	
do	Z. Tucker, overseer at 2.50 .....	73 50	
do	Pay lists, wages of men employed .....	652 22	
do	C. Robson, livery hire .....	8 00	
do	Sundry persons, cedar, blacksmithing, etc .....	3 75	
			953 98
Bright Tp. Roads .....	Sylvester Horan, overseer, 30 days at 2.25 .....	67 50	
do	Pay lists, wages of men employed .....	414 00	
do	Dobie & Co., tools .....	19 60	
			501 10
Barton Lake & Gurd Tp.			
Con. 16 Road .....	Robert Barton, overseer, 14 days at 2.25 .....	31 50	
do	Pay lists, wages of men employed.....	167 25	
do	Richardson Bros., tools .....	2 50	
		201 25	
do	Less sale of tools .....	1 50	
			199 75
Baxter Twp. Roads .....	Jacques Lamereix, overseer, 20 days at 2.25....	45 00	
do	Pay lists, wages of men employed .....	233 25	
do	Georgian Bay Lumber Co., tools .....	10 62	
do	Sundry persons, use of tools and cartage .....	3 00	
			294 37
Bethune 5th S.L. Road..	Hy Groom, overseer, 14½ days at 2.25 .....	33 18	
do	Pay lists, wages of men employed .....	159 40	
do	S. Branthwaite & Co., tools .....	7 75	
do	Postage, etc. ....	31	
			200 64
Berridale Road in			
Armour Twp. ....	Hy Varcoc, overseer, 14 days at 2.25 .....	31 50	
do	do 11 days at 1.50 .....	16 50	
do	Pay lists, wages of men employed .....	150 75	
do	Hilliar & Clark, tools .....	6 35	
			205 10
Beggsborough Road			
Doe Lake to Sprucedale	W. R. Marshall, overseer, 14 days at 2.00 .....	28 00	
do	Pay lists, wages of men employed .....	175 60	
do	Sdry. persons, tools, powder, blacksmithing, etc.	6 10	
			209 70

COLONIZATION ROADS.—Continued.

Booth Line Road.....	Wm. Gowanlock, overseer, 18 days at 2.25 .....	40 50	
do	Pay lists, wages of men employed .....	355 45	
do	Sundry. persons, use of plows, wagons, etc.	7 25	
Boundary & Fish Lake Road .....	Jno. Braund, overseer, 24 days at 2.25 .....	54 00	403 20
do	Pay lists, wages of men employed .....	231 47	
do	Taplin Anderson & Co., tools, dynamite, etc. ....	16 01	
Bridge over Middle River Lot 17, McKellar.....	B. Wickett, paymaster:—		301 48
do	Paylists. wages of men employed .....	238 91	
do	F. Simpson, plank, timber, etc. ....	79 65	
do	W. T. Canning, bolts, etc. ....	16 55	
do	Sundry persons, tools, spikes transportation, etc	19 23	
Buck Creek Bridge, Twp. Ryde .....	B. Wickett, overseer & builder, 12 days at 3.00	36 00	354 34
do	Pay lists, wages of men employed .....	47 62	
do	Hard & Co., timber .....	147 38	
do	M. Devy, lumber .....	34 80	
do	Sundry persons, spikes, tools, livery, etc. ....	33 94	
do	B. Wickett, travelling expenses .....	17 77	
Bridge North of Maynooth do	J. Allan Barr, overseer, 9 days at 2.25 .....	20 25	317 51
do	Pay lists, wages of men employed .....	76 90	
do	G. Weaver, tools, blacksmithing, etc. ....	2 90	
do	Postage, etc. ....	50	
Bridge, Dowler's Creek do	W. H. Gegier, overseer, 12 days at 2.25 .....	27 00	100 55
do	Pay lists, wages of men employed .....	117 75	
do	Mackie & Ryan, tools .....	5 60	
do	Sundry persons, rent of plow, freight, etc. ....	3 35	
Basswood Lake Road.. do	Jno. McCulloch, overseer, 18½ days at 2.25 .....	41 62	153 70
do	Pay lists, wages of men employed .....	250 50	
do	Sdry. persons, rent of tools blacksmith'g, ptge., etc.	7 88	
Bancroft Bridge .....	Fred Train, overseer, 18 days at 3.00 .....	54 00	300 00
do	Pay lists, wages of men employed .....	155 18	
do	Thos. Walker, blacksmithing .....	17 16	
do	Fred Train, freight, fares of men etc. ....	15 75	
do	Sundry persons, nails, hardware, etc. ....	13 58	
Eobcaygeon Road .....	Robert Shaw, overseer, 6 days at 2.50 .....	15 00	255 67
do	Pay lists, wages of men employed .....	237 75	
do	Postage .....	20	
do	Wm. Hartle, overseer, 20 days at 2.25 .....	45 00	
do	Pay lists, wages of men employed .....	249 00	
do	Sundry persons, tools, blacksmithing, p't'ge. etc.	5 00	
Bell's Rapids Road in Bangor .....	Aaron Poucher, overseer, 14 days at 2.25 ..	31 50	611 95
do	Pay lists, wages of men employed .....	167 54	
do	W. Boyle, dynamite .....	1 00	
Bromley Twp. Road, 7 Con. ....	Jos. Phillips, overseer, 14 days at 2.25 .....	31 50	200 04
do	Pay lists, wages of men employed .....	165 00	
do	R. J. Riddell, dynamite .....	6 75	
do	J. Dillsburgh, cedar .....	7 25	
Frushing Trails .....	Wm. Margach, paymaster: Accountable .....	100 00	210 50
do	T. Moor, brushing Lake of the Woods trail	35 00	
do	J. W. Shore, do French Narrows trail	10 00	
do	L. R. Mackay, do Wester's Falls trail..	5 00	
do	C. Barboneco, do Whitefish Lake trail	30 00	

## COLONIZATION ROADS.—Continued.

Brushing Booth Road..	Wm. Jones, brushing road, 21 days at 2.00 .....	42 00	
do	Pay lists, wages of men employed .....	58 11	
		<hr/>	
do		100 11	
	Less amount of account unpaid .....	10 11	
		<hr/>	90 00
Bells Bridge .....	Jno. Steele, overseer, 24 days at 2.25 .....	54 00	
do	Pay lists, wages of men employed .....	217 00	
do	E. Lynch, cedar .....	10 00	
do	J. Jackson, cement .....	6 00	
do	Sundry persons, tools, scraper, timber, etc. ....	23 36	
		<hr/>	
do		310 36	
	Less advanced 1903 .....	250 00	
		<hr/>	60 36
Bancroft & Deer Lake Rd.	Andrew O'Neill, overseer, 16½ days at 2.25 .....	37 12	
do	Pay lists, wages of men employed .....	147 25	
do	Sundry persons, timber and tools .....	15 75	
		<hr/>	200 12
Bridge Repairs .....	N. McDougall, paymaster:—		
do	Pay lists, wages of men employed .....		62 00
Bleazard & Hammer Rd..	N. La Belle, overseer, 22 days at 2.25 .....	49 50	
do	Pay lists, wages of men employed .....	351 00	
do	Sundry persons, spikes, paint, postage, etc. ....	16 94	
		<hr/>	
do		417 44	
	Less amount advanced 1903 .....	350 00	
		<hr/>	67 44
Earrow Bay Road .....	W. T. Hewton, overseer, 12 days at 2.25 .....	27 00	
do	Pay lists, wages of men employed .....	139 18	
do	W. T. Hewton, gravel .....	13 16	
		<hr/>	179 34
Fasinet Road .....	Aug. Basinet, overseer, 6½ days at 2.25 .....	14 63	
do	Pay lists, wages of men employed .....	64 50	
do	W. Lalonde & Son, plank .....	19 20	
do	L. H. Belanger, supplies .....	2 38	
		<hr/>	100 71
Bridge Servais Road..	Jos. Servais, overseer, 7½ days at 2.25 .....	17 45	
do	Pay lists, wages of men employed .....	84 79	
do	Postage .....	10	
		<hr/>	102 34
Beaudoin Road .....	D. Beaudoin, overseer, 14 days at 2.25 .....	31 50	
do	Pay lists, wages of men employed .....	163 84	
do	D. Beaudoin, tools, etc. ....	9 75	
		<hr/>	205 09
Black River Bridge ..	Thos. Kitchen, overseer, 14 days at 2.25 .....	31 50	
do	Pay lists, wages of men employed .....	91 87	
do	Thos. Kitchen, timber .....	26 25	
		<hr/>	149 62
Blackdonald Mining Rd.	Jno. Moore, overseer on account .....		350 00
Calvin Roads .....	Jno. Cameron, overseer, 14 days at 2.25 .....	31 50	
do	Pay lists, wages of men employed .....	160 50	
do	J. Loughrin, tools .....	10 88	
do	Jos. Bacon, overseer, 15 days at 2.25 .....	33 75	
do	Pay lists, wages of men employed .....	63 75	
do	Jno. Loughrin, tools .....	2 50	
		<hr/>	302 88
Cameron Twp. Roads	Fred Pillson, overseer, 16 days at 2.25 .....	36 00	
do	Pay lists, wages of men employed .....	147 40	
do	J. Loughrin, scraper, dynamite, etc. ....	15 85	
do	Sundry persons, blacksmithing, dynamite, etc. ....	3 85	
do	A. Therin, overseer, 13 days at 2.25 .....	29 25	
do	Pay lists, wages of men employed .....	165 25	
do	J. Loughrin, dynamite, etc. ....	4 25	
do	L. Gumache, timber .....	1 25	
		<hr/>	403 10



COLONIZATION ROADS.— *Continued.*

Cordova Road	J. B. McWilliams, paymaster:—		
do	Pay lists, wages of men employed	491 74	
do	Hy. Davidson, culvert	6 00	
do	Sundry persons, livery	6 50	
do	Travelling expenses	10 50	
		<hr/>	
do	Less amount of account unpaid	514 74	
		34 74	
Cassimer & McPherson			480 00
North Boundary Road	F. Presse, overseer, 22 days at 2.25	49 50	
do	Pay lists, wages of men employed	327 75	
do	J. Guenette, blacksmithing, tools, etc.	15 70	
do	Sundry persons, tools, dynamite, postage, etc.	9 27	
		<hr/>	
			401 22
Cavendish Roads	C. Cohen, overseer, 13 days, at 2.25	29 25	
do	Pay lists, wages of men employed	263 74	
do	Craig & Austin, lumber	10 88	
do	Sundry persons, spikes, stationery, etc.	1 63	
		<hr/>	
			305 50
Chisholm Twp. Roads	P. Bogue, overseer, 17½ days at 2.25	39 94	
do	Pay lists, wages of men employed	201 78	
do	Porter & Co., tools	8 02	
do	Sundry persons, blacksmithing, postage, etc.	1 95	
do	H. Anderson, overseer, 15 days at 2.25	33 75	
do	Pay lists, wages of men employed	153 32	
do	H. T. Burton, road scraper	8 50	
do	Sundry persons, tools and repairs	4 60	
do	Robert Owens, overseer, 15 days at 2.25	33 75	
do	Pay lists, wages of men employed	157 63	
do	Porter & Co., hardware, etc.	4 95	
do	Sundry persons, blacksmithing, postage, etc.	4 40	
do	P. J. Meredith, overseer 17½ days at 1.40	24 85	
do	Pay lists, wages of men employed	124 11	
do	M. Carr, axe handles	1 25	
		<hr/>	
			802 25
Chisholm Road	N. Clement, overseer, 9 days at 2.25	20 25	
do	Pay lists, wages of men employed	179 75	
do	Sundry persons, tools, repairs and postage	2 65	
		<hr/>	
			202 65
Chisholm (Wasa Creek) Bridge	Wm. Cooper, overseer, balance 1903		20 59
Clarendon and Sharbot Lake Road	Jos. A. Burke, overseer, 13½ days at 2.25	30 37	
do	Pay lists, wages of men employed	166 23	
do	J. H. Cannon, tools, etc.	3 80	
do	Postage, stationery, etc.	50	
		<hr/>	
			201 50
Clarendon and Mississippi Road	Isaac Allen, overseer, 17 days at 2.25	38 25	
do	Pay lists, wages of men employed	212 45	
do	Isaac Allen, cedar, 37.33; spikes, etc., 8.72	46 10	
		<hr/>	
			302 80
Cosby Twp. Roads	C. Ouilette, overseer, 15 days at 2.25	33 75	
do	Pay lists, wages of men employed	164 25	
do	S. Ouilette, rent and repairs of tools	6 00	
do	H. Labaie, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	159 63	
do	Sundry persons, tools, blacksmithing, etc.	9 95	
		<hr/>	
		404 28	
	Less amount of account unpaid	20 09	
		<hr/>	
			384 09

COLONIZATION ROADS.—Continued.

Canarvon, 12 Con. Rd.	David Williamson, overseer, 22½ days at 2.25	50 06	
do	Pay lists, wages of men employed	413 96	
do	D. Campbell, blasting	17 00	
do	W. Vincer, plank	13 42	
do	Sundry persons, tools, blacksmithing, etc	6 75	
			501 25
Campbell, 10 Con. Road.	Geo. Brooks, overseer, 16 days at 2.25	36 00	
do	Pay lists, wages of men employed	165 07	
			201 07
Carpenter & Lash Town			
Line Road	C. W. Hughes, overseer, 19 days at 2.50	47 50	
do	Pay lists, wages of men employed	517 91	
do	Holmes Bros., groceries, etc	106 21	
do	S. Whiddon, 250 rods x-way timber	227 50	
do	R. B. Langstaff, provisions	10 50	
			999 62
Carpenter & Burris Rd.	C. W. Hughes, overseer, 30 days at 2.50	75 00	
do	Pay lists, wages of men employed	693 56	
do	Holmes Bros., groceries and provisions	141 93	
do	G. Strachan, groceries, etc	32 75	
do	McMillan Bros., plank	24 48	
do	Sundry persons, plank, iron, provisions, etc	39 95	
			1,007 67
Coffin 2 Con. Bridge	M. McGregor, overseer and bridge builder, 2 days at 2.50	5 00	
do	Pay lists, wages of men employed	7 75	
do	Sundry persons, chain and postage	6 20	
			18 95
Conmee Road to extend	N. McDougall, paymaster:—		
do	Pay lists, wages of men employed	519 44	
do	S. Downing, groceries, etc	57 67	
do	Wells & Emmerson, tools and outfit	22 55	
do	Sundry persons, vegetables, etc	8 38	
		608 04	
	Less amount of account unpaid	128 04	
			480 00
Crozier, Devlin & Lash	A. Luttrell, overseer, 18 days at 2.50	45 00	
do	Pay lists, wages of men employed	503 19	
do	Jas. O'Connor, crossway timber, 81 rods at 1.15	93 15	
do	R. B. Langstaff, provisions	101 04	
do	C. R. Langstaff, provisions	90 05	
do	E. Tompkins, tools	39 10	
do	Sundry persons, provisions, postage, stationery, etc	13 67	
do	C. Kerr, overseer, 31 days at 2.50	77 50	
do	Pay lists, wages of men employed	704 85	
do	Holmes Bros., groceries and provisions	117 94	
do	Martin Bros., groceries, etc	25 51	
do	G. Strashaw, beef	24 00	
do	Sundry persons, provisions, lumber, tools, etc	51 17	
		1,226 17	
	Less sale of lumber	8 00	
			1,218 17
Crozier and Lash Roads	C. Kerr, overseer, 30 days at 2.50	75 00	
do	Pay lists, wages of men employed	468 31	
do	Alonzo Spencer, groceries, etc	155 52	
do	Holmes Bros., provisions, tools, etc	16 50	
do	Ed. Tompkins, tools	27 95	
do	P. O'Connell, cookstove	20 00	
do	Sundry persons, beef, freight, postage, etc	11 35	
			774 63

COLONIZATION ROADS.—Continued.

Cardwell, 4th Con. Road.	Gustave Grenke, overseer, 20 days at 2.25.....	45 00	
do	do do 5 days at 1.55.....	7 75	
do	Pay lists, wages of men employed.....	241 67	
do	D .W. Little, tools.....	17 10	
		<hr/>	
		311 52	
	Less sale of tools.....	10 80	
		<hr/>	300 72
Combermere & Maynooth			
Bridge	W. J. Fitzgerald, overseer, 9 days at 2.25.....	20 25	
do	Pay lists, wages of men employed.....	152 37	
do	Jno. Kruger, cedar.....	22 75	
do	Flynn & Nettarville, tools.....	5 57	
		<hr/>	
		260 94	
	Less sale of tools.....	5 25	
	Less amount of account unpaid.....	15 69	
		<hr/>	
		20 94	180 00
Carling 4th Con. Road.	Jno. Alves, overseer, 17 days at 2.25.....	38 25	
do	Pay lists, wages of men employed.....	204 00	
do	Wm. Beatty, tools, etc.....	7 00	
do	Andrew Thompson, right of way.....	1 00	
		<hr/>	
			250 25
Christie Twp. 5 S. L.	Rob't Morrison, overseer, 14 days at 2.25.....	31 50	
do	Pay lists, wages of men employed.....	161 75	
do	W. Morrison, tools, etc.....	8 30	
		<hr/>	
			201 55
Christie 15 Side L. Road	Rob't Morrison, overseer, 14 days at 2.25.....	31 50	
do	Pay lists, wages of men employed.....	173 00	
		<hr/>	
		204 50	
	Less sale of tools.....	4 50	
		<hr/>	200 00
Carpenter Twp. Roads..	A. Luttrell, overseer, 12 days at 2.50.....	30 00	
do	Pay lists, wages of men employed.....	279 75	
do	Jacob Schamerhorn, 250 rods-x-way timber.....	287 50	
do	C. R. Langstaff, groceries and provisions.....	40 15	
do	R. B. Langstaff, provisions.....	38 55	
do	Sundry persons, provisions, board, etc.....	18 27	
		<hr/>	
		694 22	
	Less amount of account unpaid.....	206 72	
		<hr/>	487 50
Central Road Loborough.	E. G. Ruttan, overseer, 18 days at 2.25.....	40 50	
do	Pay lists, wages of men employed.....	209 70	
		<hr/>	
		250 20	
	Less amount of account unpaid.....	30 20	
		<hr/>	220 00
Christian Valley Road..	Robert Simpson, overseer, 12 days at 2.25.....	27 00	
do	Pay lists, wages of men employed.....	159 00	
do	H. T. Burton, scraper.....	8 00	
do	Sundry persons, tools, timber, repairs, etc.....	5 90	
		<hr/>	
			199 90
Caven Road	Pay lists, wages of men employed ..	92 25	
do	Jos. Madill, paymaster:—		
do	D. Dunlop, lumber, timber, etc.....	122 96	
		<hr/>	
		215 21	
	Less paid by municipality.....	15 21	
		<hr/>	200 00

## COLONIZATION ROADS.—Continued.

Cardwell Twp. Roads	Jos. Coté, overseer, 19½ days at 2.25.....	43 28	
do	Pay lists, wages of men employed.....	228 75	
do	J. Guenette, plow, blacksmithing, etc.....	17 90	
do	Sundry persons, tools, lumber, etc.....	9 47	
			300 00
Capreol & Hanmer Road	N. Labelle, overseer, 16 days at 2.25.....	36 00	
do	Pay lists, wages of men employed.....	245 75	
do	Purvis Bros., scraper.....	8 50	
do	Postage, etc.....	50	
Chemong Lake Bridge Road	E. Corkery, overseer, 8 days at 2.25.....	18 00	
do	Pay lists, wages of men employed.....	143 00	
do	Postage.....	05	
			161 05
Caldwell 3 Con. Road	Jos. Champagne, overseer, 7½ days at 2.25.....	16 87	
do	Pay lists, wages of men employed.....	84 75	
do	Postage.....	10	
			101 72
Caldwell and Badgerow Road	Nap. Labrosse, paymaster:—		
do	Pay lists, wages of men employed.....	147 00	
do	R. Labrosse, tools.....	1 25	
			148 25
Corbeilles Road	Baptiste-Corbeilles, overseer, 2 days at 2.25.....	18 00	
do	Pay lists, wages of men employed.....	81 75	
do	B. Corbeilles, plow repairs.....	25	
			100 00
Dalhousie Bridge	Wm. Dunlop, overseer, 8 days at 2.25.....	18 00	
do	Pay lists, wages of men employed.....	127 50	
do	Sundry persons, lumber, powder, postage, etc.....	5 66	
			151 16
Dalton & Carden Roads	David Nicholson, overseer, 2½ days at 2.25.....	12 12	
do	Pay lists, wages of men employed.....	128 12	
do	Sundry persons, tools, blacksmithing, etc.....	4 75	
do	Geo. Jarrett, overseer, 9 4-5 days at 2.25.....	22 05	
do	Pay lists, wages of men employed.....	125 70	
do	Wm. Jarret, blacksmithing.....	3 00	
do	Jno. Chrysler, overseer, 10 days at 2.25.....	22 50	
do	Pay lists, wages of men employed.....	178 75	
		504 00	
	Less tools sold by D. Nicholson.....	2 00	
			502 00
Deseré Road	Ed. Snook, overseer, 9 days at 2.25.....	20 25	
do	Pay lists, wages of men employed.....	117 50	
do	E. H. Snook, cedar.....	6 00	
do	Sundry persons, cedar and tools.....	7 50	
do	Albert Amey, overseer, 9 days at 2.25.....	20 25	
do	Pay lists, wages of men employed.....	125 88	
do	L. Barder, scraper, etc.....	12 10	
do	W. H. Reynolds, tools.....	13 30	
		322 78	
	Less sale of tools by Amey.....	11 20	
			311 58
Dunnett, Con. 3 Road	Jos. Lamarche, overseer, 13 days, 3 hours at 2.25.....	29 93	
do	Pay lists, wages of men employed.....	169 79	
do	Postage, etc.....	36	
			200 08
Devlin & Berris Road	C. W. Hughes, overseer, 27 days at 2.50.....	67 50	
do	Pay lists, wages of men employed.....	670 87	
do	Holmes Bros., provisions, tools, etc.....	215 10	
do	P. F. Beninger, meat.....	23 10	
do	Sundry persons, provisions, lumber, freight, etc.....	25 65	
			1,002 22



COLONIZATION ROADS.—Continued.

Dorion Twp. Road.	Neil McDougall, paymaster		
do	Pay lists, wages of men employed	486	10
do	S. A. Arthur, provisions and groceries	134	17
do	M. C. Campbell, meat	8	60
do	Sundry persons, tools and freight	10	43
		639	30
	Less amount of account unpaid	159	30
			480 00
Dilke and Nelles, sec.			
32-33 Road	R. Tillson, overseer, 36 days at 2.50	90	00
do	Pay lists, wages of men employed	630	48
do	H. Proctor & Co., groceries, provisions, etc.	193	80
do	Gordon, Ironsides, Fares & Co.: Provisions, etc.	56	89
do	Sundry persons, stove, lumber, provisions, etc.	39	53
			1,010 70
Dalton & Washago Road.	J. C. Marshall, overseer, 17 days at 2.25	38	25
do	Pay lists, wages of men employed	162	75
			201 00
Deer Lake and Baysville Road	Philip Leeder, Sr., overseer, 15 days at 2.25	33	75
do	Pay lists, wages of men employed	166	96
do	Geo. Tennant, lumber	9	45
do	Sundry persons, tools, cartage, etc.	5	72
			215 88
Dobie Twp. Road			
Con. 4 and 5	W. H. Smith, overseer, 19 days at 2.50	47	50
do	Pay lists, wages of men employed	293	75
do	M. C. Drew, groceries, etc.	75	70
do	Weston & Son, camp outfit	36	20
do	Sundry persons, beef, groceries, etc.	45	00
			498 15
Douro Road	Juc. Allen, overseer, 18 days at 2.25	40	50
do	Pay lists, wages of men employed	213	62
do	D. Garvey, use of tools	26	50
do	J. Allen, timber	12	00
do	Sundry persons, tools and repairs	10	25
			302 87
Dummer Twp. Con. 9 Road	Wm Miles, overseer, 7 days at 2.25	15	75
op	Pay lists, wages of men employed	180	75
do	J. R. Miles, powder and fuse	3	50
			200 00
Deer River Bridge	Jno. Baskin, repairs to bridge		28 00
Dunnett Con. 3 Road	E. X. Gervais, overseer, 11 days at 2.25	24	75
do	Pay lists, wages of men employed	75	21
do	Postage		04
			100 00
Desormeau Road	Geo. Simpson, overseer, 14 days at 2.25	31	50
do	Pay lists, wages of men employed	169	86
			201 36
Desert Lake Road	Jos. Boissinault, overseer, 20 days at 2.25	45	00
do	Pay lists, wages of men employed	237	74
do	A. J. Boissinault, chain, tools, etc.	14	74
do	Sundry persons, tools, repairs and postage	2	17
			299 65
Dryden Dam Bridge	Neil McDougall, paymaster:—		
do	Paylists, wages of men employed	20	00
do	G. Sharpe, lumber	32	57
do	W. McMillan, lumber	10	50
do	J. G. Hayes, spikes, etc.	2	80
			65 87

## COLONIZATION ROADS.—Continued.

Eagle River Bridge	Neil McDougall, paymaster:—		
do	Pay lists, wages of men employed	843 75	
do	W. E. Beddome, board of men	204 75	
do	Woodside Bros., iron rods, labor, etc.	76 65	
do	C. P. Ry., fares of men, freight, etc.	93 35	
do	J. Rhodes, blacksmithing, etc.	26 05	
do	Sundry persons, blacks'g, dynamite, stab'g, etc.	40 87	
		<u>1,285 42</u>	
	Less amount of account unpaid	585 42	700 00
Eton Twp. Road	Neil McDougall, paymaster:—		
do	Pay lists, wages of men employed	524 05	
do	J. Latimer, spikes, etc.	7 15	
do	J. G. Hayes, powder	2 05	
		<u>533 25</u>	
Eagle Lake Road	Neil McDougall, paymaster:—		
do	Pay lists, wages of men employed		303 50
Eldon 3rd Quarter Line			
Con. 4 & 6	L. McQuarrie, overseer, 40 days at 2.25	90 00	
do	Paylists, wages of men employed	234 00	
		<u>324 00</u>	
East River Bridge	B. Wickett, overseer, 3 days at 3.00	9 00	
do	Paylists, wages of men employed	19 05	
do	E. H. Taplin, lumber	48 44	
do	Sundry persons, freight, board, spikes, etc.	13 22	
		<u>89 71</u>	
Eighth Line Road, Smith Arch.	Young, paymaster:—		
do	Paylists, wages of men employed	200 00	
do	Less advanced, 1903	170 00	
		<u>30 00</u>	
Ferris Twp. Roads	W. Satchell, overseer, 19 days at 2.25	42 75	
do	Paylists, wages of men employed	249 37	
do	Sundry persons, tools and postage	5 11	
do	Jacob Gilmette, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	158 50	
do	Geo. Morrison, tools	7 95	
do	P. Gagnon & Sons, tools	2 20	
do	E. Dupresne, overseer, 22 days at 2.25	49 50	
do	Pay lists, wages of men employed	160 50	
do	W. Dupresne, team hire	84 00	
do	Geo. Morrison, tools, etc.	11 90	
do	Sundry persons, blacksmithing and postage	4 10	
		<u>809 33</u>	
Field Road	L. G. Parent, overseer, 12 days at 2.25	27 00	
do	Pay lists, wages of men employed	174 05	
do	Postage	05	
do	Max Larogue, overseer, 14½ days at 2.25	32 63	
do	Pay lists, wages of men employed	159 12	
do	Robt. Lillie, scraper	8 25	
		<u>401 10</u>	
	Less amount of account unpaid	20 00	381 10
French & Gully Line Rd.	M. Mansfield, overseer, 18 days at 2.25	40 50	
do	Pay lists, wages of men employed	293 12	
		<u>333 62</u>	
Ft. Francis & Rainy Lake			
Road	Chas. Kerr, overseer, 19 days at 2.50	47 50	
do	Pay lists, wages of men employed	249 64	
do	Jno. Reid, lumber	72 36	
do	O. Jalbert, provisions	45 06	
do	L. Christie, beef	20 33	
do	Sundry persons, lumber, provisions, b'd of men, etc.	69 08	
		<u>503 97</u>	

COLONIZATION ROADS.—Continued.

Farley Road Bridge in			
Pringle Tp	B. Wickett, overseer, 15 days at 3.00	45 00	
do	Pay lists, wages of men employed	331 51	
do	Mowry & Son, bridge irons	5 52	
do	J. Arthurs, nails, etc.	4 40	
do	Sundry persons, tools, lumber, board of men, etc.	28 31	
Fifth S. L. Rd. Machar			414 74
& Gurd 30 S. L. Rd.	Alex. Munro, overseer, 12½ days at 2.25	27 56	
do	Pay lists, wages of men employed	170 19	
do	Postage	25	
Ferris & Widdifield			192 00
do	H. Marleau, overseer, 6 days at 2.25	13 50	
do	Pay lists, wages of men employed	89 50	
			103 00
Less amount of account unpaid			13 00
			90 00
Ferris Tp. Drain	B. Decaire, overseer, 20 days at 2.25	45 00	
do	Pay lists, wages of men employed	239 75	
do	G. Morrison, tools, etc.	14 93	
do	Stationery, postage, etc.	32	
French River Val. Trail			300 00
do	J. L. McMurray, paymaster:—		
	Pay lists, wages of men employed	55 00	
	Less amount of account unpaid	5 00	
			50 00
Fourth Con. Hagarty Rd.	F. Valdack, overseer, balance 1903		55 30
Freeman's Mill Pond	J. M. Stoniss, overseer, balance 1902		40 60
Garson & Neelon Rds.	S. Fortin, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	165 50	
do	Sundry persons, tools, blacksmithing & postage	4 20	
do	E. Lauzon, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	169 00	
do	R. Horne, tools	2 25	
			403 95
Gibbons Tp. Roads	M. Cousineau, overseer, 10 days at 2.25	22 50	
do	Pay lists, wages of men employed	152 60	
do	R. Lillie, dynamite, etc.	21 00	
do	M. Cousineau, cartage	3 00	
do	D. J. Lynn, overseer, 8 days at 2.25	18 00	
do	Pay lists, wages of men employed	180 75	
do	Sundry persons, powder, postage, etc.	1 25	
			399 10
Green Bay Road	Thos. Murphy, overseer, 16 days at 2.00	32 00	
do	Pay lists, wages of men employed	173 14	
do	Hugh Reilly, timber	4 00	
			209 14
Griffith Road	Chas. Gervais overseer, 20 days at 2.25	45 00	
do	Pay lists, wages of men employed	240 00	
do	B. Hartney, tools, etc.	11 00	
do	Sundry persons, tools and postage	4 65	
			300 65
Less amount of account unpaid			25 65
			275 00
Galbraith Tp. Road	Jas. Dixon, overseer, 24 days at 2.25	54 00	
do	Pay lists, wages of men employed	244 99	
do	Jas. S. Dobie, survey, plan and expenses	17 00	
do	Postage	11	
			316 10
Galbraith Tp., Lot 2	Mrs. McKenzie, right of way		87 50
Con. 1	Neil McDougall, paymaster:—		
Gillies & Scoble Road	Pay lists, wages of men employed	391 11	
do	Mrs. A. Brown, groceries, etc.	77 49	
do	Marks & Co., provisions	22 73	
do	Woodside Bros., scraper	20 00	
do	Wells & Emmerson, tools	8 45	
			519 78

COLONIZATION ROADS.—*Continued.*

Gladstone 2 Con. Rd	Benj. Beemer, overseer, 13½ days at 2.25	30 88	
do	Pay lists, wages of men employed	81 37	
do	M. Beemer, timber	67 66	
do	Sundry persons, board, teaming, blacksmith'g, etc.	23 90	
			203 31
Goldenburg & Day Mills	Robert McDougall, overseer, 31 days at 2.25	69 75	
do	Pay lists, wages of men employed	318 73	
do	Dobie & Co., provisions	38 18	
do	R. E. McDougall, provisions	22 32	
do	Bridge Bros., camp outfit	19 55	
do	Sundry persons, provisions, hay, oats, etc.	33 31	
			501 81
Gessler Rd. in Ryerson	W. G. Ashdown, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	161 08	
do	Sundry persons, tools, postage, etc.	10 50	
		203 08	
	Less sale of tools	4 50	
			192 58
Golden Val. & North Rd.	Geo. Dobbs, overseer, 22 days at 2.25	49 50	
do	Pay lists, wages of men employed	341 24	
do	N. Armstrong, plank	5 45	
do	Sundry persons, plank, blacksmithing, etc.	3 81	
			400 00
Gordon Bay Rd	Arthur Dixon, overseer, 20 days at 2.25	45 00	
do	Pay lists, wages of men employed	175 52	
do	W. Hanna & Co., tools	10 90	
do	Jas. M. Hatherly, right of way	1 00	
			232 42
Grimsthorp Riv. Bridge	Geo. Brooks, overseer, 13 days at 2.25	29 25	
do	Pay lists, wages of men employed	191 50	
do	T. H. Hewitt, lumber	53 35	
do	D. Belton, lumber	26 40	
do	Sundry persons, blacksmithing, spikes, etc.	7 63	
			308 13
Galway Roads	M. Mansfield, overseer, 18 days at 2.25	40 50	
do	Pay lists, wages of men employed	290 00	
			330 50
Grading Rds. E. Algoma	D. Campbell, paymaster:—		
do	Pay lists, wages of men employed	45 00	
do	Northern Hardware Co., oil, etc.	1 20	
do	A. Findlay, repairs	5 00	
			46 70
Guerin Road	M. Guerin, overseer, 12 days at 2.25	27 00	
do	Pay lists, wages of men employed	181 79	
			208 79
Cauthier Road	A. Gauthier, overseer, 6 days at 2.25	13 50	
do	Pay lists, wages of men employed	36 75	
			50 25
Grading Roads, Algoma	Jno. F. Boyd, paymaster:—		
do	Pay lists, wages of men employed	195 75	
do	Sundry persons, sharpening grader	9 00	
do	D. Campbell, grading road	54 00	
do	Sawyer Massey, repairs	8 50	
do	Express, telegrams, postage, etc.	1 90	
			269 15
Grattan & D'Acre Rd	Wm. McDonough, overseer, balance 1903		57 05
Grattan Mining Road	D. J. McCuan, balance grant 1902		50 00
Garson Road	S. Fortin, overseer, balance 1903		50 10



COLONIZATION ROADS.—*Continued.*

Hagarty Tp. Roads	Jas. Macdonald, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	405 00	
do	Sundry persons, tools, and use of scraper	5 00	
do	Wm. Costello, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	147 00	
do	W. Costello, rent of wagons, etc.	21 00	
do	Sundry persons, tools	7 00	
		<hr/>	
		408 00	
	Less sale of tools by W. Costello	3 00	
		<hr/>	405 00
Hanmer Tp. Roads	O. Dubois, overseer, 11½ days at 2.25	25 31	
do	Pay lists, wages of men employed	176 47	
do	J. B. Fex, overseer, 14½ days at 2.25	32 06	
do	Pay lists, wages of men employed	167 98	
		<hr/>	
		401 82	
	Less amount of account unpaid	20 04	
		<hr/>	381 78
Hastings Rd. near May- nooth	Andrew Barr, overseer, 20 days at 2.25	45 00	
do	Pay lists, wages of men employed	239 60	
do	Geo. Weaver, tools	13 16	
do	Flynn & Netterville, scraper	7 75	
		<hr/>	
			305 51
Hugel & Badgerow Rd	Rev. C. A. M. Paradis, overseer, 40 days at 1.50	60 00	
do	Pay lists, wages of men employed	198 50	
do	W. Charlton, tools, etc.	19 46	
do	H. Walters & Son, tools, etc.	14 60	
do	Sundry persons, dynamite, tools, etc.	14 00	
		<hr/>	
		306 56	
	Less amount of account unpaid	56 56	
		<hr/>	250 00
Hugel Con. 3 Road	J. T. Whalen, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	169 00	
do	Postage	1 00	
do	Olaf England, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	167 62	
do	Sundry persons, pails and postage	95	
		<hr/>	
			400 67
Hurtubise Road	Nap. Begin, overseer, 16 days at 2.25	36 00	
do	Pay lists, wages of men employed	163 04	
do	E. Maurice, tools	3 00	
		<hr/>	
			202 04
Honora Bay Road	Jas. Stringer, overseer, 20 days at 2.25	45 00	
do	Pay lists, wages of men employed	318 51	
do	T. C. Sims & Co., tools	12 30	
do	Sundry persons, tools, transportation, postage, etc.	5 60	
		<hr/>	
			381 41
Hymers Road	Neil McDougall, paymaster:—		
do	Pay lists, wages of men employed	683 53	
do	Mrs. A. Brown, groceries, tools, etc.	87 66	
do	Wells & Emmerson, tent, tools, etc.	47 25	
do	G. E. Hymers, timber	22 30	
do	Sundry persons, scraper, blacksmithing, etc.	22 37	
		<hr/>	
		863 11	
	Less amount of account unpaid	313 11	
		<hr/>	550 00
Hagarty 12 Con. Road	Jno. Paplinskié, overseer, 20 days at 2.25	45 00	
do	Pay lists, wages of men employed	231 60	
do	McCann Bros., plow and scraper	20 00	
do	Sundry persons, tools and postage	8 90	
		<hr/>	
			305 50

COLONIZATION ROADS.—Continued.

Himsworth Tp. Roads	Frank Hunt, overseer, 14½ days at 2.25	32 63	
do	Pay lists, wages of men employed	155 62	
do	H. T. Burton, tools	12 80	
do	Jno. Wiggins, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	156 75	
do	H. T. Burton, tools	12 18	
do	Postage	25	
do	Wm. Bray, Sr., overseer, 15 days at 2.25	33 75	
do	Pay lists, wages of men employed	170 63	
do	Sundry persons, right of way, postage, etc.	1 50	
do	T. F. Carr, overseer, 15 days at 2.25	33 75	
do	Pay lists, wages of men employed	161 25	
do	Sundry persons, tools, reprs., postage, etc.	7 38	
			£09 99
	Less tools sold by Wm. Bray, Sr	6 00	
	do amt. of T. F. Carr's acct. unpaid	22 38	28 38
			781 61
Hinchesbrook Road	Jas. N. Smith, overseer, 14½ days at 2.25	32 62	
do	Pay lists, wages of men employed	160 46	
do	Sundry persons, dynamite, tools, & blacksmith'g	8 98	
			202 06
	Less sale of tools	1 50	
			200 56
Hagarty Tp. Road	P. Recowskie, overseer, balance 1903		26 25
Harvey Lots 28 & 29 Rd	R. Shaw, overseer, 7 days at 2.50	17 50	
do	Pay lists, wages of men employed	177 50	
do	Postage	20	
do			195 20
Hymers Bridge Repairs	N. McDougall, paymaster:—		
do	Pay lists, wages of men employed	48 00	
do	J. Sterrett, timber	3 58	
do	J. J. Welsh, bolts	2 60	
do	Can. Northern Ry., fares of men	4 50	
			58 68
Inspection	J. F. Boyd, balance 1903		34 60
	do Postage, telegrams, etc.	17 03	
	do Inspector, 216 days at 7.00	1,512 00	
	do Railway fares, etc.	172 95	
			1,701 98
	Less amount of account unpaid	7 65	
			1,694 33
do	J. A. Tierney, balance 1903		172 25
	do Inspector, 18 days at 5.00	90 00	
	do Travelling expenses	90 00	
	do Postage, stationery, etc.	10 00	
			190 00
do	W. J. Anderson, Inspector, 131 days at 5.00	655 00	
	do Travelling expenses	64 15	
			719 15
	Less amount of account unpaid	219 15	
			500 00
do	Neil McDougall, Inspector, 179 days at 7.00	1,253 00	
	do Rent of office 1903-04	120 00	
	do Insurance on store house	5 63	
	do Travelling expenses	61 00	
	do Postage, stationery, etc.	12 91	
			1,452 54
	Less amount of account unpaid	139 61	
			1,312.93

## COLONIZATION ROADS.—Continued.

Inspection	A. Morrison, inspector, 147 days at 5.00	735 00	
do	Travelling expenses and disbursements	225 30	
do	Postage and stationery, etc.	5 00	
			965 30
do	John McCracken, Inspector, 1903, 59 days at 5.00	295 00	
do	Travelling expenses and disbursements	83 30	
			378 30
do	John McCracken, inspector, 268 days at 5.00	1,340 00	
do	Travelling expenses, livery, postage, etc.	179 32	
		1,519 32	
do	Less amount of account unpaid	390 70	
			1,128 62
do	F. Dupuis, inspector 1903, 149 days at 5.00	745 00	
do	Travelling expenses, horse hire, etc.	299 80	
		1,044 80	
do	Less advanced 1903	775 00	
			269 80
do	F. Dupuis, inspector, 112 days at 5.00	560 00	
do	Travelling expenses, horse hire, etc.	196 40	
do	Postage, etc.	1 35	
		757 75	
do	Less amount of account unpaid	138 90	
			618 85
do	B. Wickett, inspector, 6 days at 3.00	18 00	
do	do 134 days at 4.00	536 00	
do	Travelling expenses, board, etc.	316 10	
do	Postage	2 50	
		872 60	
do	Less amount of account unpaid	270 50	
			602 10
do	M. Lounsbury, inspector, 174 days at 7.00	1,218 00	
do	Postage, stationery, etc.	9 63	
			1,227 63
do	M. J. McCann, inspector, 1903, 142 days at 7.00	994 00	
do	Travelling expenses	22 00	
		1,016 00	
do	Less advanced, 1903	900 00	
			116 00
do	M. J. McCann, inspector, 188 days at 7.00	1,316 00	
do	Travelling expenses	27 80	
do	Postage, stationery, etc.	8 35	
		1,352 15	
do	Less amount of account unpaid	502 15	
			850 00
Iron Bridge, Deer Lake	Wm. Rowan, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	92 75	
do	M. Hermiston, plank	42 75	
do	R. Arnill, timber	24 50	
do	Sundry persons, timber, blacksmithing, etc.	23 65	
			215 15
Iron Mine Road	Wm. Hartle, overseer, 13 days at 2.25	29 25	
do	Pay lists, wages of men employed	152 62	
do	D. Gillespie, cedar	18 16	
			200 03
Izland Rd. (Standhope)	James Welch, overseer, 16 days at 2.00	32 00	
do	Pay lists, wages of men employed	166 20	
do	Sundry persons, repairs, powder, etc.	1 30	
			199 50

## COLONIZATION ROADS.—Continued.

Jaffray Tp. Road	N. McDougall, paymaster:—		
do	Pay lists, wages of men employed	1,402 82	
do	F. J. Barber, timber	100 00	
do	Ontario Powder Co., dyanmite, etc.	25 50	
do	Rat Portage Hardware Co., tools	25 00	
do	Sundry persons, timber, repairs, etc.	19 96	
			1,573 23
Jaffray Bridge	N. McDougall, paymaster:—		
do	Pay lists, wages of men employed	189 50	
do	Jas. McLaughlin, timber	30 80	
			220 30
Jones Falls & Morton Road	Thos. Kenney, overseer, 18½ days at 2.25	41 62	
do	Pay lists, wages of men employed	251 62	
do	Sundry persons, blacksmithing, dynamite, etc.	6 05	
		299 29	
do	Less amount of account unpaid	49 29	
			250 00
Jervais Road	Hugh McHugh, overseer, 16 days at 2.25	36 00	
do	Pay lists, wages of men employed	163 50	
do	B. Hartney, tools	7 39	
do	Postage	55	
			207 24
Jones Falls & Battersea Road	S. Jamieson, overseer, 10 days at 2.25	22 50	
do	Pay lists, wages of men employed	77 50	
		100 00	
do	Less amount advanced in 1902	95 00	
			5 00
Keevenville Road	Wm. Sutherland, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	162 55	
do	N. H. Williams, blacksmithing	6 15	
		200 20	
do	Less amount of account unpaid	20 20	
			180 00
Kirkpatrick Roads	Joseph Benoit, overseer, 13½ days at 2.25	30 38	
	Pay lists, wages of men employed	164 99	
	Sundry persons, tools, blacksmithing, postage, etc.	5 03	
do	A. Legendre, overseer, 10 days at 2.25	22 50	
do	Pay lists, wages of men employed	162 75	
do	F. Pilon, lumber	9 00	
	Sundry persons, tools, postage, etc.	5 91	
			400 56
Kagawan Lake Road	Thos. Bowser, overseer, 18 days at 2.25	40 50	
do	Pay lists, wages of men employed	257 17	
do	Sundry persons, tools and postage, etc.	4 13	
			301 80
Korah Tn. Roads	Geo. Farmer, overseer, 20 days at 2.25	45 00	
do	Pay lists, wages of men employed	223 25	
do	P. S. Elliot, tile	11 55	
do	Hamilton Powder Co., dynamite, etc.	9 25	
do	Sundry persons, tools, dynamite, etc.	11 05	
do	Wm. Stewart, overseer, 19½ days at 2.25	43 87	
do	Pay lists, wages of men employed	161 00	
do	J. T. Quinn, ditching	81 10	
do	Moore & Brown, tile	90 30	
do	J. A. Wilde, surveying	10 00	
do	Sundry persons, tile, cedar, bolts, etc.	22 70	
			709 07
Kirkpatrick Con. 3 Road	J. B. Costonguay, overseer, 5 days at 2.25	11 25	
do	Pay lists, wages of men employed	88 44	
do	Postage	06	
			99 75



## COLONIZATION ROADS.—Continued.

Lanark & Darling Rd	T. D. King, overseer, 27 days at 2.25	60 75	
do	Pay lists, wages of men employed	286 55	
do	D. Barr, tools	3 00	
			350 30
Iutterworth Roads	Wm. Hartle, overseer, 20 days at 2.00	40 00	
do	Pay lists, wages of men employed	229 94	
do	T. Stinson & Sons, plank	22 07	
do	J. Trotter, cedar	5 00	
do	Sundry persons, blacksmithing, nails & postage	2 99	
			300 00
Loboro Road, 3rd Con.	Thos. O'Connor, overseer, 17 days at 2.25	38 25	
do	Pay lists, wages of men employed	157 00	
do	F. D. McAuley, lumber	5 16	
			200 41
Lybster Road	N. McDougall, paymaster:—		
do	Pay lists, wages of men employed	495 06	
do	Wells & Emmerson, scraper	12 35	
do	Marks, Dobie & Co., tools	5 75	
			513 16
Lorimer Lake Road	Wm. C. Ferris, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	255 90	
do	W. Robertson, tools, etc.	5 80	
do	Postage, stationery, etc.	1 00	
			294 20
Lavant & Playfair Rd.	Jas. Moore, overseer, 30 days at 2.25	67 50	
do	Pay lists, wages of men employed	432 82	
do	Thos. Lee, tools	8 65	
do	Sundry persons, blacksmithing and postage	2 25	
			511 22
Lavant & Darling Rd.	J. D. King, overseer, balance 1903		19 38
Laclosche Bridge	Alex. McEachren, overseer, 10 days at 2.25	22 50	
do	Pay lists, wages of men,	75 00	
do	Postage	50	
			98 00
Laxton, 4 Con. Rd.	Hy. Davey, overseer, 12½ days at 2.00	25 00	
do	Pay lists, wages of men employed	175 00	
Lonsdale & Bridgewater Road	D. J. Larkin, overseer, 10½ days at 2.25	23 62	
do	Pay lists, wages of men employed	126 25	
			149 87
Locating Rds., Tps. Delemere, Cosby & Martland	A. E. Cross, services, 22 days at 3.50	77 00	
do	Joseph Racicot, 13½ days as guide	33 75	
do	Sundry persons, provisions, board, etc.	33 59	
do	Travelling expenses	22 30	
		166 64	
do	Less amount of account unpaid	42 36	
			124 28
London & Caldwell Rd.	Julius Schnobb, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	165 75	
do	F. A. Richard, saw	4 80	
do	Postage	10	
			202 15
Leeds & Pittsburg Rd.	W. J. Franklin, overseer, 8 days at 2.25	18 00	
do	Pay lists, wages of men employed	88 22	
do	Sdry. persons, lumber, blacksmith'g, & postage	3 89	
			110 11
Lefleur Bridge	E. Lefleur, overseer, 8 days at 2.25	18 00	
do	Pay lists, wages of men employed	82 00	
			100 00
Larochelle Road	A. Larochelle, overseer, 5 days at 2.25	11 25	
do	Pay lists, wages of men employed	43 00	
do	Sundry persons, tools, postage, etc.	1 40	
			55 85

## COLONIZATION ROADS.—Continued.

Magpie Bridge Repairs	J. F. Boyd, paymaster:—			
do	J. J. Dion, overseer and builder, 8½ days at 3.00	25 50		
do	Pay lists, wages of men employed .....	74 75		100 25
Mattawa & Calvin Rd.	C. Bertrand, overseer, 14 1-5 days at 2.25 .. .	31 95		
do	Pay lists, wages of men employed .....	147 00		
do	Sundry persons, scraper repairs, etc. ....	2 65		
do	L. Morin, overseer, 5 days at 1.50 .....	7 50		
do	Pay lists, wages of men employed .....	16 50		
do	S. J. McMeekin, overseer, 10 days at 2.25.....	22 50		
do	Pay lists, wages of men employed .....	136 50		364 60
Mattawa & Pembroke Rd.	N. P. Harvey, overseer, 23½ days at 2.25 .....	52 87		
do	Pay lists, wages of men employed .....	226 97		
do	A. Dusand, lumber and use of tools .....	18 60		
do	J. Loughrin, spikes .....	1 65		
do	D. Donnelly, overseer, 11 days at 2.25 .....	24 75		
do	Pay lists, wages of men employed .....	159 75		
do	M. J. Donnelly, cedar .....	14 28		
do	Sundry persons, tools, affidavit .....	1 25		
Mattawa & Temiskaming Road	L. Montriel, overseer, 12 days at 2.25 .....	27 00		500 12
do	Pay lists, wages of men employed .....	164 50		
do	J. Loughrin, dynamite, etc.....	4 95		
		196 45		
	..Less amount of account unpaid .....	16 45		180 00
Mattawan Tp. Roads	B. Belanger, overseer, 12 days at 2.25 .....	27 00		
do	Pay lists, wages of men employed .....	122 63		
do	Jos. Loughrin, tools, etc. ....	17 75		167 38
Matawatchan Road	A. McLennan, overseer, 13 days at 2.25 .....	29 25		
do	Pay lists, wages of men employed.....	148 50		
do	Jno. G. Ihan, cedar .....	20 00		
do	Sundry persons, cedar, tools, postage, etc.....	6 25		204 00
Monck Road	D. Youmans, overseers, 25 days at 2.25 .....	56 25		
do	Pay lists, wages of men employed .....	210 47		
do	Travelling expenses and disbursements .....	10 30		277 02
Monette Road	C. Monette, overseer 17 days at 2.25 .....	38 25		
do	Pay lists, wages of men employed .....	266 73		304 98
Mountain Grove Swamp Road	W. E. Barr, overseer, 17 days at 2.00 .....	34 00		
do	Pay lists, wages of men employed .....	217 38		251 38
Mud Lake Narrows Bridge in Carden	J. Graham, overseer, 10 days at 2.25 .....	22 50		
do	Pay lists, wages of men employed .....	72 40		
do	J. Givens, timber .....	100 00		
do	Gilpin Bros., spikes .....	5 10		200 00
Mud Lake Bridge Rd.	Michael Perdue, overseer, 8½ days at 2.25 .....	19 13		
do	Pay lists, wages of men employed .....	76 87		
do	W. Perdue, timber .....	6 50		102 50
Marks Road	N. McDougall, paymaster:—			
do	Pay lists, wages of men employed .....	249 26		
do	Mrs. A. Brown, groceries .....	71 40		
do	Can. Northern Ry., freight.....	92		321 58
May Tp. Roads	Geo. Buell, overseer, 17 days at 2.25 .....	38 25		
do	Pay lists, wages of men employed .....	253 75		
do	S. G. Chant, use of grader .....	7 00		
do	R. J. Byrns, repairs to plow .....	1 00		300 00

## COLONIZATION ROADS.—Continued.

Mather and Tait Town				
Line	.....	W. H. Smith, overseer, 40 days at 2.50	100 00	
do		Pay lists, wages of men employed	558 35	
do		M. C. Drew, groceries and provisions	110 95	
do		Weston & Sons, tools and camp outfit	72 40	
do		D. K. Campbell, provisions, crossway timber, etc.	60 06	
do		Sundry persons, provisions, tools, timber, etc.	115 82	
				1,023 59
do		Less supplies sold	23 90	
		do amount of account unpaid	19 69	43 59
do				980 00
Mattachawan Road	.. . .	W. Belanger, overseer, 10 days at 2.00	20 00	
do		Pay lists, wages of men employed	76 50	
do		Devine & McGarrie, wire rope, etc.	63 70	
do		Wm McVeigh, blacksmithing	14 00	
do		Sundry persons, lumber, scraper, etc.	17 40	
				191 60
		Less amount of account unpaid	11 60	180 00
Mather and Dobie Town				
Line Road	.. . .	W. J. Anderson, paymaster:—		
do		A McKenzie, overseer, 28 days at 2.50	70 00	
do		Pay lists, wages of men employed	681 01	
do		M. C. Drew, groceries, etc.	133 29	
do		G. Kernahan, meat	25 30	
do		F. J. Watts, tools	27 25	
do		Weston & Sons, camp outfit	19 65	
do		Sundry persons, provisions, lumber, teaming, etc.	97 85	
				1,054 55
		Less amount of account unpaid	104 50	950 00
Mattawan 6th Con. Road				
and Bridge	.. . .	Jas Keenan, overseer, 14½ days at 2.25	32 24	
do		Pay lists, wages of men employed	174 00	
do		B. J. Gilligan, lumber	30 41	
do		Sundry persons, dynamite, nails, repairs, etc.	13 35	
				250 00
Morley and Shenstone				
Road	.. . .	W. J. Anderson, paymaster:—		
do		A McKenzie, overseer, 12 days at 2.50	30 00	
do		Pay lists, wages of men employed	323 47	
do		Oster Bros., groceries and provisions	48 52	
do		J. McTague, groceries, etc.	51 15	
do		Sundry persons, tools, groceries, etc.	47 42	
				500 56
		Less amount of account unpaid	15 56	485 00
Machar 10 S. Line Road				
do		Geo. Rolston, overseer, 12 days at 2.25	27 00	
do		Pay lists, wages of men employed	166 83	
do		Sundry persons, wagon hire, repairs, etc.	6 17	
				200 00
Matchedash Road and				
Bridge	.. . .	David Hall, overseer, 15 days at 2.25	33 75	
do		Pay lists, wages of men employed	159 37	
do		W. H. Manning, tools, etc.	7 10	
do		Sundry persons, blacksmithing and postage	5 17	
do		E. W. Kitchen, overseer, 15½ days at 2.25	34 87	
do		Pay lists, wages of men employed	250 24	
do		R. McFarland, cedar	29 88	
do		Sundry persons, timber, bolts, etc.	13 15	
				531 53

COLONIZATION ROADS.—Continued.

Monk Road, west of			
Atherly	Hy. Lybster, overseer, 12 days at 2.50	30 00	
do	Pay lists, wages of men employed	436 62	
do	Tait Cross Lumber Co., coal and lumber	23 47	
do	Sundry persons, tools, blacksmithing, etc.	9 96	
			500 05
Morrison Twp. Roads	Wm. Semple, overseer, 25 days at 2.25	56 25	
do	Pay lists, wages of men employed	327 95	
do	Albert Boyd, lumber	7 00	
do	Sundry persons, lumber, tools, etc.	9 62	
		400 82	
	Less sale of tools	1 40	
			399 42
Montieth & Perry Road			
in Perry & McMurrich	Walter Thompson, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	102 00	
do	Sundry persons, plank, wagon hire, etc.	6 50	
			200 00
Mills & Wilson Tp.			
Road E.	Jno. Paul, overseer, 12 days at 2.25	27 00	
do	Pay lists, wages of men employed	170 40	
do	Sundry persons, plow point, postage, etc.	85	
			198 25
Muskoka Road, Con. 6			
Muskoka Twp.	W. J Taylor, overseer, 18 days at 2.25	40 50	
do	Pay lists, wages of men employed	245 62	
do	J. F. Young, tools	10 10	
do	Sundry persons, tools, postage and rent of camp	3 78	
			300 00
Mather 8 & 9 Road	W. J. Anderson, paymaster:—		
do	A. McKenzie, overseer, 10 days at 2.50	25 00	
do	Pay lists, wages of men employed	109 44	
do	Lewis Irvine, 195 rods crossway timber	214 25	
do	M. C. Drew, provisions, etc.	22 75	
do	R. Leech, meat	16 40	
do	Sundry persons, provisions, etc.	57	
			485 41
Marlbank Road	Joseph Taylor, overseer, 19 days at 2.25	42 75	
do	Pay lists, wages of men employed	194 49	
do	J. M Carscallen, blacksmithing	5 50	
do	Sundry persons, tools, nails, postage, etc.	8 26	
			251 00
Magnetewan River Rd.	W. G. Ashdown, overseer, 20 days at 2.25	45 00	
do	Pay lists, wages of men employed	248 23	
do	W. E. Sieber, cedar	16 40	
do	H. J. Smith, blacksmithing	85	
			310 48
Mines Road, Gratton	Canada Iron Furnace Co., legislative grant		400 00
Menogue Road, Chandos	John Menogue, overseer, 12 days at 2.25	27 00	
do	Pay lists, wages of men employed	175 25	
			202 25
Machar, 20 Side Line	Wm McQueen, overseer, 12½ days at 2.25	24 50	
do	Pay lists, wages of men employed	136 14	
do	The Vincent Co., Limited, groceries, etc.	29 06	
do	W. McQueen, vegetables, etc., 10.91, postage, .50	11 41	
			201 11
Matchdash Road	Sam'l McMahon, overseer, 9 days at 2.25	20 25	
do	Pay lists, wages of men employed	181 91	
			202 16
Monck Road, Dysert	Jno. Maxwell, overseer, 15 days at 2.25	33 75	
do	Pay lists, wages of men employed	166 14	
			199 89
Martland 2 & 3 Road	W. Doust, overseer, 7 days at 2.25	15 75	
do	Pay lists, wages of men employed	83 61	
do	C. Monette, tools	2 00	
			101 36



## COLONIZATION ROADS.—Continued.

Michipicoten Mining Rd.	Jno F. Boyd, paymaster:—			
do	Pay lists, wages of men employed	744	75	
do	C. E. Keenan, lumber	127	59	
do	Sundry persons, tools and postage	4	60	
				876 94
Morley 5 & 16 and 8 & 17.	R. J. Hall, 245 rods crossway timber			281 75
Markstay & Warren Rd.	L. McDonald, overseer, 25 days at 2.25	56	25	
do	Pay lists, wages of men employed	156	10	
		212	35	
	Less amount advanced 1902	180	00	
				32 35
Mather & Dobie Road	W. J. Anderson, overseer, balance 1903			71 41
Martland & Cosby	J. L. A. McMurray, paymaster, balance 1903			11 81
Missisaga Scow	Wm Rowan, overseer, balance 1903			10 35
Massanoga Lake Road	W. A. Price, paymaster, balance 1903			20 00
McPherson & Loudon Rd	F. Cornellier, overseer, 22 days at 2.25	49	50	
do	Pay lists, wages of men employed	325	50	
do	F. A. Ricard, tools	14	37	
do	Sundry persons, repairs and postage	10	54	
				399 91
McGregor Road	N. McDougall, paymaster:—			
do	Pay lists, wages of men employed	366	24	
do	S. A. Aramur, provisions	112	40	
do	Wells & Emmerson, tools, etc.	10	23	
do	M. C. Campbell, beef	9	50	
		504	37	
	Less amount of account unpaid	224	37	
				280 00
McIntyre Road	N. McDougall, paymaster:—			
do	Pay lists, wages of men employed	963	07	
do	W. F. Fortune, groceries and provisions	192	36	
do	R. Heyder, groceries, etc.	55	43	
do	M. C. Campbell, meat	7	80	
do	Wells & Emmerson, tools and camp outfit	35	16	
		1,264	87	
	Less. Municipal grant	500	00	
	Amount of account unpaid	314	87	
				214 87
McKeown's Bridge, to re-build	N. McDougall, paymaster			450 00
do	Pay lists, wages of men employed	213	75	
do	H. Chausse, provisions, etc.	29	60	
do	Campbell & Co., beef	14	72	
do	Can. Northern Ry., freight	73		
		259	80	
McMurrich 20 S. L.	Martin Farrell, overseer, 19½ days at 2.25	43	30	
do	Pay lists, wages of men employed	246	55	
do	W. H. Dixon, tools	16	52	
do	Postage, blacksmithing, etc.	1	00	
		307	37	
	Less sale of tools	5	45	
				301 92
McGeary's Creek Bridge	Isaac Grant, overseer, 9 days at 2.25	20	25	
do	Pay lists, wages of men employed	42	75	
do	M. A. Grant, board of men	15	50	
				78 50
McDougall Road	Amos Moyer, overseer, 12 days at 2.25	27	00	
do	Pay lists, wages of men employed	154	61	
do	W. J. Moyer, timber	70	80	
do	H. Phillips, timber	7	40	
do	Postage	19		
				200 00

COLONIZATION ROADS.—*Continued.*

McAmbridge Road ..	Louis Braconnia, overseer, 13 days at 2.25 .....	29 25	
do	Pay lists, wages of men employed .....	161 50	
do	Sundry persons, tools and repairs .....	7 30	
			200 05
McCarthy Road ..	Jas McCarthy, overseer, 12 days at 2.25 .....	27 00	
do	Pay lists, wages of men employed .....	54 00	
do	J. H. Bell, dynamite fuse, etc. ....	20 00	
			101 00
McConkey Road	Bridge. Angus Morrison, paymaster.		
do	C Loring, Sr., overseer, 5 days at 2.50 .....	12 50	
do	Pay lists, wages of men employed .....	37 50	
			50 00
North Shore Road .....	Wm. Ritchie, overseer, 14 days at 2.00 .....	28 00	
do	Pay lists, wages of men employed .....	170 50	
do	Sundry persons, tools and cedar .....	3 05	
North Bay & Widdifield	Road .....		201 55
do	F Gratton, overseer, 26½ days at 2.25 .....	59 06	
do	Pay lists, wages of men employed .....	247 55	
do	Jos. Laroque, timber .....	50 00	
do	Macdonald & Hay, tools, etc. ....	12 10	
do	F. Gratton, repairs, etc. ....	1 49	
			370 30
North Harvey Roads ..	Robert Shaw, overseer, 10 days at 2.50 .....	25 00	
do	Pay lists, wages of men employed .....	349 62	
do	Sundry persons, powder, blacksmithing, etc. ....	4 99	
			379 61
	Less amount of account unpaid .....	79 61	
Nosbonsing and Corbeils	Road .....		300 00
do	P. Rochefort, overseer, 21 days at 2.25 .....	47 25	
do	Pay lists, wages of men employed .....	243 37	
do	G. Morrison, tools .....	10 25	
do	V. Gauthier, blacksmithing .....	6 20	
			307 07
Nairn and Worthington	John Dwyer, overseer, 34 days at 2.25 .....	76 50	
do	Pay lists, wages of men employed .....	411 00	
do	Purvis Bros., tools .....	19 75	
			507 25
Nelles and Pattullo Rd.	W J. Anderson, paymaster.		
do	A. McKenzie, overseer, 22 days at 2.50 .....	55 00	
do	Pay lists, wages of men employed .....	271 77	
do	H. Proctor & Co., provisions .....	95 90	
do	J. Ward, provisions .....	16 27	
do	Sundry persons, provisions, teaming, etc. ....	65 78	
			504 72
	Less amount of account unpaid .....	19 72	
			485 00
Neebing Oliver Road ...	N. McDougall, paymaster .....		
do	Pay lists, wages of men employed .....	332 15	
do	Jno. King Co., groceries and provisions .....	106 17	
do	Wells & Emmerson, tools .....	11 95	
do	Brown & Co., meat .....	5 03	
			455 30
Ninth Con. Rd., Croft.	David Jenkins, overseer, 14 days at 2.25 .....	31 50	
do	Pay lists, wages of men employed .....	151 45	
do	G. McKnight, tools, dynamite, etc .....	15 35	
do	A. McLachlin, blacksmithing .....	1 50	
			200 10
Nipissing Tp. Roads ...	Jno. Gerber, overseer, 13 days at 2.25 .....	29 25	
do	Pay lists, wages of men employed .....	158 75	
do	Trout Creek Lumber Co., plank .....	7 75	
do	Sundry persons, tools, repairs and postage .....	4 33	
do	Robt. Byers, overseer, 14 days at 2.25 .....	31 50	
do	Pay lists, wages of men employed .....	159 87	
do	H T. Burton, scraper, etc. ....	9 80	
			401 25

COLONIZATION ROADS.—Continued.

North Himsworth 22-23			
Con. Road .. .. .	Jos Cochrane, overseer, 17 days at 2.25.....	38 25	
do	Pav lists, wages of men employed .....	131 25	
do	Jas. Boulton, teaming .....	29 75	
do	Repairs and postage .....	75	
			200 00
Neebing & McIntyre Rd. N McDougall, paymaster.			
do	Pay lists, wages of men employed.....	402 91	
do	W. F. Hogarth, meat, groceries, etc. ....	66 81	
do	C. I. Kenny, meat .....	31 29	
do	Sundry persons, provisions, tools, etc.....	34 55	
			535 56
North Road, Magnetewan Walter Johnson, overseer, 9½ days at 2.25 .....		21 38	
do	Pay lists, wages of men employed .....	77 30	
do	Tools and postage.....	1 50	
			100 18
North Shore Road .....		J. B. Pilon, overseer, 14 days at 2.25 ..	31 50
do	Pay lists, wages of men employed ..	96 01	
do	O. Dupuis, teaming .....	56 00	
do	J. Loughrin, tools .....	12 95	
do	Sundry persons, blacksmithing, postage, etc. ..	3 54	
Nosbonsing & North Bay			
Road .. .. .	J. Hurtibise, overseer, 14 days at 2.25 .....	31 50	
do	Pay lists, wages of men employed .....	125 25	
do	A. Dore, teaming .....	49 00	
do	Repairs and postage .....	3 00	
			208 75
Naiscoodtyorg Bridge....		B. Wickett, paymaster.	
do	Pay lists, wages of men employed .....	709 75	
do	Holland & Grenke, plank.....	38 83	
do	A. N. Fenn, tools .....	12 14	
do	B. Wickett, fares of men .....	13 50	
do	Sundry persons, teaming, use of camp, etc., .....	41 11	
			545 33
Nipissing Road .....		John Gerber, Jr., overseer, 9 days at 2.25 .....	20 25
do	Pay lists, wages of men employed .....	77 87	
do	Sundry persons, spikes, cartage, etc .....	1 88	
			100 00
	Less advanced, 1903 .....	90 00	
			10 00
Otter Lake Road .....		Andrew Granger, overseer, 27½ days at 2.25.....	61 32
do	Pay lists, wages of men employed .....	138 75	
do	W. H. Reynolds, tools .....	25 63	
do	Sundry persons, dynamite, wire, etc. ....	5 95	
			231 65
	Less sale of tools .....	16 55	
			215 10
O'Connor & Conmee T. L.			
Road .. .. .	N. McDougall, paymaster.		
do	Pay lists, wages of men employed .....	496 45	
do	Brown & Co., meat .....	34 08	
do	H. Chausse, lard, provisions, etc .....	24 10	
do	Sundry persons, provisions .....	14 00	
			568 63
Orange Valley Road .....		Wm. Adams, overseer, 14 days at 2.25 .....	31 50
do	Pay lists, wages of men employed .....	169 59	
do	Sundry persons, tools and postage .....	1 92	
			203 01
	Less sale of tools .....	75	
			202 26

## COLONIZATION ROADS.—Continued.

Orange Valley Road			
Bridge	B Wickett, paymaster.		
do	Pay lists, wages of men employed	144 86	
do	A. Vigras, cedar, etc.	18 74	
do	J. Cooper, cedar	14 40	
do	Sundry persons, spikes, fares of men, etc.	16 14	
Otter Lake Narrows			194 10
Bridge repairs	Wm. McKelvie, overseer, 13 days at 2.25	29 25	
do	Pay lists, wages of men employed	136 95	
do	Otter Lake Lumber Co., plank, etc.	38 06	
do	Wm. McKelvie, use of cart, tools, etc.	5 00	
Oakley Con 4 Black			209 26
River	E. C. McCutcheon, overseer, 20 days at 2.25	45 00	
do	Pay lists, wages of men employed	244 12	
do	Jas. Witton, axes, etc.	6 50	
do	Right of way	4 00	
Opicon and Deer Lake			299 62
Road	Jno. Silver, overseer, 17½ days at 2.00	34 50	
do	Pay lists, wages of men employed	162 78	
do	Sundry persons, cedar, tools, blacksmithing, etc.	10 12	
Oak Lake Road			207 40
do	Sam'l Hubble, overseer, 11½ days at 2.00	23 00	
do	Pay lists, wages of men employed	185 85	
do	Plow point	25	
Opeongo Road			209 10
Papineau Twp. Roads			50 45
do	Thos. Balkwell, overseer, balance, 1903		
do	Louis Morin, overseer, 14 days at 2.25	31 50	
do	Pay lists, wages of men employed	168 00	
do	Postage	10	
do	Jas. Gilligan, overseer, 9 days at 2.25	20 25	
do	Pay lists, wages of men employed	175 75	
do	J. Loughrin, tools, etc.	3 80	
do	H. Dupuis, overseer, 10½ days at 2.25	23 63	
do	Pay lists, wages of men employed	171 00	
do	J. H. Bell, dynamite	4 68	
do	Sundry persons, repairs, etc.	1 50	
do	Maxine Minor, overseer, 13 days at 2.25	29 25	
do	Pay lists, wages of men employed	150 75	
do	J. Loughrin, tools, etc.	19 85	
Perrault Settlement and			800 11
D. Acre Rd.	C. Dellaire, overseer, 20 days at 2.25	45 00	
do	Pay lists, wages of men employed	232 50	
do	McCann Bros., scraper and plow	18 50	
do	Sundry persons, tools, repairs, etc.	4 75	
Petawawa Road			300 75
do	F. Eichstadt, overseer, 20 days at 2.25	45 00	
do	Pay lists, wages of men employed	153 00	
do	H. Eichstadt, use of tools, lumber, etc.	10 00	
do	J. Beauchamp, overseer, 10 days at 2.25	22 50	
do	Pay lists, wages of men employed	84 00	
Perth Road			314 50
do	Theo. Darling, overseer, 14 days at 2.00	28 00	
do	Pay lists, wages of men employed	161 75	
do	B Darling, cedar and rent of scraper	7 00	
do	Sundry persons, tools, blacksmithing, etc.	8 30	
Paipoonge and O'Connor			205 05
Road	N. McDougall, paymaster.		
do	Pay lists, wages of men employed	609 94	
do	W. F. Fortune, provisions, etc.	78 09	
do	H. Chausse, provisions	57 25	
do	Brown & Co., meat	48 68	
do	Sundry persons, tools, provisions, freight, etc.	65 81	
		859 77	
Less amount of account unpaid		409 77	
			450 00



COLONIZATION ROADS.—Continued.

Pine River and Pattullo		
Road	H. F. Oster, overseer, 22 days at 2.25	55 00
do	Pay lists, wages of men employed	324 18
do	Oster Bros., provisions	73 45
do	Sundry persons, provisions, tools, etc.	43 38
		<hr/>
		496 01
	Less sale of provisions	7 65
		<hr/>
		488 36
Prince Twp. Road		
	Ira Hill, overseer, 46 days at 2.50	115 00
do	Pay lists, wages of men employed	715 03
do	Ontario Powder Co., dynamite, etc.	25 50
do	Jas. S. Dobie, surveying road, and expenses	44 00
do	Sundry persons, tools, blacksmithing, etc.	45 03
		<hr/>
		944 56
Perry Tp. Road, Con.		
	9. E. B. Clearwater, overseer, 12 days at 2.25	27 00
do	Pay lists, wages of men employed	173 00
		<hr/>
		200 00
Proudfoot Con. 4 & 5 Rd.		
	Jos. Hunter, overseer, 20½ days at 2.25	46 12
do	Pay lists, wages of men employed	245 85
do	Sundry persons, tools and postage	8 36
		<hr/>
		300 33
Pattullo and Morley Line.		
	H. F. Oster, overseer, 19½ days at 2.50	48 75
do	Pay lists, wages of men employed	351 63
do	Oster Bros., provisions	40 18
do	J. McTague, provisions, etc.	15 80
do	Sundry persons, tools, lumber, provisions, etc.	65 41
		<hr/>
		521 77
	Less sale of lumber	12 00
		<hr/>
		509 77
Peterson Road		
	Jno. U. Bain, overseer, 14½ days at 2.25	32 63
do	Pay lists, wages of men employed	163 45
do	Sundry persons, teaming, postage, etc.	2 52
		<hr/>
		198 60
Pine Lake Road		
	Jno. Traves, overseer, 15½ days at 2.25	34 78
do	Pay lists, wages of men employed	202 50
do	W. Ecclestone, tools	10 95
do	Sundry persons, tools, teaming, etc.	4 20
		<hr/>
		252 43
Peterson Road Radcliffe.		
	M. Culhane, overseer, 14 days at 2.25	31 50
do	Pay lists, wages of men employed	113 27
do	M. Culhane, board of men, 39.00; use of plow and team, 10.25	49 25
do	Sundry persons, tools, and scraper	12 35
		<hr/>
		206 37
	Less sale of tools	6 17
		<hr/>
		200 20
Portland & Railton Rd.		
	B. Harrigon, overseer, balance, 1903	60 00
Prince Twp Road		
	L. Landry, overseer, balance, 1903	33 14
Paugh Lake Road		
	John Minto, overseer, balance, 1903	28 70
Queen's Line		
	C. Coben, overseer, 11 days at 2.25	24 75
do	Pay lists, wages of men employed	274 35
do	Craig & Austin, lumber	10 08
do	Stationery and postage	35
		<hr/>
		309 53
Raglan and Lyndoch Rds.		
	H. Kargess, overseer, 14 days at 2.25	31 50
do	Pay lists, wages of men employed	156 75
do	B. Hartney, tools	12 40
do	Postage and repairs to tools	1 85
do	Jno. Madigan, overseer, 13 days at 2.00	26 00
do	Pay lists, wages of men employed	162 75
do	Jas. McCann, scraper	8 50
do	Sundry persons, tools, dynamite, etc.	11 40
		<hr/>
		411 15

COLONIZATION ROADS.—Continued.

Rolph, Buchanan and			
Wylie Rd. ....	Alex. Moore, overseer, 17½ days at 2.25 .....	59	38
do	Pay lists, wages of men employed .....	203	74
do	T. Marion, dynamite, etc .....	4	05
do	Sundry persons, blacksmithing, postage, etc. ....	2	55
do	Chas. Sennett, overseer, 19 days at 2.25 .....	42	75
do	Pay lists, wages of men employed .....	191	63
do	Jas. Valley, lumber .. .....	6	18
do	C. Sinnett, lumber .. .....	5	94
do	Sundry persons, lumber, tools, etc. ....	10	30
do	Florence McCarthy, overseer, 11½ days at 2.25 ..	25	87
do	Pay lists, wages of men employed .....	162	75
do	E. A. Lyon, cedar .. .....	9	28
do	Sundry persons, tools and postage .....	4	65
		<hr/>	
		709	07
	Less tools sold by F. McCarthy ....	2	32
	do C. Sennett.....	4	10
		<hr/>	
			702 65
Ratter, Con. 2 & 3, Road.			
do	N Legault, overseer, 10 days at 2.25.....	22	50
do	Pa lists, wages of men employed.....	78	80
do	Wm. Munro, overseer, 9 days at 2.25.....	20	25
do	Pay lists, wages of men employed.....	81	75
do	Alex. Hamilton, spikes.....	2	50
do	P Legault, overseer, 12 days at 2.25.....	27	00
do	Pay lists, wages of men employed.....	166	25
do	H. Montgomery, scraper .....	8	00
do	J. Dunnett, repairs to plow.....	8	00
		<hr/>	
			415 05
Reid Roads .....			
do	C. Coben, overseer, 12 days at 2.25.....	27	00
do	Pay lists, wages of men employed.....	299	61
do	Postage.....	40	
		<hr/>	
			327 01
Ross T'w'p Roads....			
do	Francis Crozier, overseer, 17½ days at 2.25.....	39	37
do	Pay lists, wages of men employed.....	143	63
do	T. E. Richardson, tools and repairs .....	17	30
do	Postage.....	25	
		<hr/>	
		200	55
do	Less amount of account unpaid.....	20	55
		<hr/>	
			180 00
Round Lake Road..			
do	Hy. Smith, overseer, 17 days at 2.25.....	38	25
do	Pay lists, wages of men employed.....	162	40
do	Sundry persons, dynamite, blacksmithing, etc..	3	05
		<hr/>	
			204 30
Rainy River Road—			
Aylesworth and Lash	A. Luttrell, overseer, 29 days at 2.50.....	72	50
do	Pay lists, wages of men employed.....	690	57
do	C. B. Stuart, groceries, etc.....	111	45
do	P. F. Beninger, meat, etc.....	47	85
do	E. Tompkins, tools and camp outfit.....	43	08
do	Sundry persons, lumber, provisions, etc.....	79	25
		<hr/>	
			1,044 70
Rainy River Road—			
T'w'p Dilke..	R. Tillson, overseer, 33 days at 2.50.....	82	50
do	Pay lists, wages of men employed.....	520	30
do	H. Proctor & Co., groceries.....	189	00
do	Gordon, Ironsides & Fares, meat.....	13	45
do	Sundry persons, provisions, stationery, etc.....	5	17
		<hr/>	
			810 42
Rainy River Road—			
Dilke West to Worthing-	Jerry Nolan, overseer, 48 days at 2.50.....	120	00
ton and Blue Road....	Pay lists, wages of men employed.....	627	60
do	Gordon & Co., meat.....	82	51
do	W. P. Murphy, provisions.....	44	08
do	Sundry persons, provisions, lumber, blacksmith-		
	ing, etc.....	67	15
do	Jerry Nolan, to be accounted for.....	38	66
		<hr/>	
			980 00

COLONIZATION ROADS.—Continued.

Worthington and At-			
wood Rd .....	Thos. Walker, overseer, 75 days at 2.50.....	127 50	
do	Pay lists, wages of men employed.....	1,218 87	
do	Rat Portage Lumber Co., provisions, etc.....	168 17	
do	S Walker, provisions.....	104 27	
do	W. P. Murphy, provisions, etc.....	89 14	
do	Gordon & Co., meat.....	84 45	
do	Sundry persons, provisions, freight, etc.....	140 46	
Repairing roads, Rainy			
River District.....	W J. Anderson, paymaster.		1,992 86
do	A. Luttrell, overseer, 19 days at 2.50.....	47 50	
do	Pay lists, wages of men employed.....	325 07	
do	C. E. Langstaff, provisions.....	30 60	
do	B. Luttrell, beef .....	21 60	
do	Sundry persons, provisions, etc.....	51 52	
Roddick, Crozier and			476 29
Miscampbell Road .....	A. Luttrell, overseer, 15 days at 2.50 .....	37 50	
do	Pay lists, wags of men employed.....	404 83	
do	A Spencer, groceries and provisions.....	47 55	
do	R. B. Langstaff beef .....	25 50	
do	Sundry persons, provisions, lumber, cartage, etc.	48 40	
		563 58	
do	Less amount of account unpaid.....	113 58	
		450 00	
do	D. Kennedy, 75 rods crossway timber....	86 25	
do	W. McLennan, 235 rods crossway timber.....	255 00	
			771 15
Roddick, Crozier and			
Miscampbell .....	J A. Tierney, paymaster, balance 1902.		18 22
do	Rat Portage Lumber Co., lumber.....		
River Road, Draper.....	J T. Galbraith, overseer, 25 days at 2.25.....	56 25	
do	Pay lists, wages of men employed.....	432 78	
do	J F. Young, tools.....	17 40	
do	Sundry persons, use of tools and repairs.....	2 10	
		308 53	
do	Less sale of tools.....	5 00	
			303 53
Radcliffe and Carloe Rd.,	Jos. Mayhen, overseer, 16½ days at 2.25.....	36 56	
do	Pay lists, wages of men employed.....	210 84	
do	W. E. James, tools.....	14 55	
do	J. Connley, timber.....	18 50	
do	Sundry persons timber, dynamite, etc .....	20 40	
			300 65
Round Lake Rd. ....	W. T. Curtis, overseer, 12½ days at 2.25.....	28 13	
do	Pay lists, wages of men employed.....	203 93	
		232 06	
do	Less amount of account unpaid.....	52 06	
			180 00
Racicot Road .....	G. Racicot, overseer, 5½ days at 2.00.....	11 00	
do	Pay lists, wages of men employed.....	87 00	
do	J Loughrin, tools.....	2 00	
			100 00
Red Bay Road.....	Duncan McFarlane, overseer, 11 days at 2.25....	24 75	
do	Pay lists, wages of men employed.....	125 45	
do	Ed. Anderson, cedar, etc.....	30	
			150 70
Rainy River Road.....	J. A. Tierney, paymaster, balance 1903.....		61 50
Road Machinery.....	Sawyer, Massey Co., grades, plows, etc.....	1,225 00	
do	Good Roads Machinery Co., scraper.....	52 50	
			1,277 50

## COLONIZATION ROADS.—Continued.

Strange Bridge....	N. McDougall, paymaster.		
do	Pay lists, wages of men employed.....	413	87
do	P. Vinette, bolts, etc.....	14	80
do	C. N. Railway, freight.....		70
Stanley and Fort William			429 37
Rd.....	N. McDougall, paymaster.		
do	Pay lists, wages of men employed.....	4,308	23
do	Fraser & Oakley, provisions.....	222	97
do	W. F. Hogarth, provisions.....	157	29
do	C. L. Kenny, meat.....	84	81
do	W. S. Piper, dynamite, tools, etc.....		49 00
do	Sundry persons, provisions, blankets, lumber, etc.....	285	86
		3,108	16
do	Less amount of account unpaid.....	1,208	16
			1,900 00
Sebastopol Tp. Roads ....	Wm. Killeen, overseer, 9 days at 2.25.....	20	25
do	Pay lists, wages of men employed.....	86	50
do	Postage, etc.....		25
do	Emile Drifke, overseer, 17 days at 2.25.....	38	25
do	Pay lists, wages of men employed.....	202	00
do	McCann Bros., road scraper.....		10 70
do	Sundry persons, powder, blacksmithing, postage, etc.....	10	41
Silver Lake and Burnt			368 36
River Road.....	M Mansfield, overseer, 20 days at 2.25.....	45	00
do	Pay lists, wages of men employed .....	208	00
Sherwood and Jones Tp.			333 00
Roads.....	Vincent Bloskie, overseer, 14 days at 2.25.....	31	50
do	Pay lists, wages of men employed.....	165	90
do	V. Bloskie, hire of tools, 4.00; postage, .20....	4	20
do	John Pich, overseer, 14 days at 2.25.....	31	50
do	Pay lists, wages of men employed.....	152	60
do	McCann Bros., plow.....		12 00
do	Sundry persons, tools, stationery, postage, etc.		6 65
Sharbot Lake and Crow			404 35
Lake Road.....	J. W. Knapp, overseer, 14½ days at 2.00.....	29	00
do	Pay lists, wages of men employed.....	131	66
do	Sundry persons, dynamite, tools, etc.....		8 76
do	John Chambers, Jr., overseer, 20 days at 2.25....	45	00
do	Pay lists, wages of men employed.....	181	52
do	Sundry persons, tools, dynamite, etc.....		4 11
		400	05
do	Less amount of account unpaid.....	100	63
			299 42
Springer Tp. Roads.....	D. Ayotte, overseer, 20½ days at 2.25.....	46	13
do	Pay lists, wages of men employed.....	245	27
do	E. Maurice, tools.....		8 15
do	Postage.....		25
do	B. Brazeau, overseer, 8 days at 2.25.....	18	00
do	Pay lists, wages of men employed .....	82	00
do	Jos. Burton, overseer, 5½ days at 2.25.....	12	38
do	Pay lists, wages of men employed.....	42	00
do	E. Maurice, tools.....		1 20
do	W Dagg, overseer, 6 days at 2.25.....	13	50
do	Pay lists, wages of men employed.....	40	50
do	G. Savigney, overseer, 8 days at 2.25.....	18	00
do	Pay lists, wages of men employed.....	88	75
do	F. Bidal, overseer, 8½ days at 2.25.....	19	69
do	Pay lists, wages of men employed.....	120	77
		756	59
do	Less sale of tools by P. Savigney....	5	00
do	Less paid by Municipality to F. Bidal	40	46
		45	46



COLONIZATION ROADS.—Continued.

Squaw River Road ..	Robert Shaw, overseer, 15 days at 2.50.....	37 50	
do	Pay lists, wages of men employed.....	256 87	
			294 37
Sudbury and Rayside Rd.	F. Gaudaur, overseer, 12 3/10 days at 2.25.....	27 67	
do	Pay lists, wages of men employed.....	268 65	
Sudbury and Blezard Rd.	R. Horne, tools.....	3 25	
			299 57
do	O. Frappier, overseer, 18½ days at 2.25.....	41 06	
do	Pay lists, wages of men employed.....	343 03	
do	Frappier & Kilpatrick, tools.....	7 63	
do	Sundry persons, tools and repairs.....	8 30	
			400 02
South Algona Road ..	Michael Walsh, overseer, 10 days at 2.25.....	22 50	
do	Pay lists, wages of men employed.....	75 00	
do	M. Walsh, rent of tools .....	2 50	
do	J. Rhody, overseer, 8 days at 2.25.....	18 00	
do	Pay lists, wages of men employed.....	85 50	
			203 50
Somerville, Con. 8 and 9,			
Road ..	Thos. Byrne, overseer, 18½ days at 2.25.....	41 06	
do	Pay lists, wages of men employed.....	204 95	
do	Sundry persons, cedar, powder, blacksmith'g, etc	6 00	
			252 01
Somerville Road ....	John Coulter, overseer, 18 days at 2.25.....	40 50	
do	Pay lists, wages of men employed.....	159 37	
			199 87
South River Bridge, Con.			
6 & 7, Machar.....	B. Wickett, overseer, 6 days at 3.00.....	18 00	
do	Pay lists, wages of men employed.....	190 84	
do	Claridge & Hillock, lumber.....	103 21	
do	W. McGirr, piles and timber.....	29 00	
do	Sundry persons, timber, bolts, teaming, etc.....	78 70	
			419 75
Strong, Armour and Rye-			
son ..	W. M. Kennedy, overseer, 15 days at 2.25.....	33 75	
do	Pay lists, wages of men employed.....	157 37	
do	Hilliar & Clark, tools.....	5 25	
do	Sundry persons, timber, repairs, etc.....	5 91	
			202 28
do	Less sale of tools.....	2 28	
			200 00
Stisted Road, Con. 8 & 9,			
Lot 22..	Albert Robinson, overseer, 20 days at 2.25.....	45 00	
do	Pay lists, wages of men employed.....	240 53	
do	White Bros., tools, etc.....	12 35	
do	Hy Hines, plank .....	2 12	
			300 00
Strong Tp. Roads....	G. E. Gibbons, overseer, 18½ days at 2.25.....	41 63	
do	Pay lists, wages of men employed.....	185 79	
do	J. T. Harvie, timber.....	18 83	
do	Sundry persons, tools, stationery, etc.....	3 01	
do	Jos. Pinkerton, overseer, 17 days at 2.25.....	38 25	
do	Pay lists, wages of men employed.....	205 55	
do	J. Pinkerton, repairs.....	5 00	
			498 06
Sebastopol Tp. Road.			
Eganville & Lake Clear	F. Kelby, overseer, 12 days at 2.25.....	27 00	
do	Pay lists, wages of men employed.....	115 50	
do	Howard & Co., scraper.....	5 00	
do	Sundry persons, tools, postage, etc.....	2 63	
			150 13
South River Bridge....	B. Wickett, foreman, 8 days at 3.00 .....	24 00	
do	Pay lists, wages of men employed .....	54 00	
do	Trusslor Bros., tools.....	2 00	
do	Sundry persons, teaming.....	7 50	
			87 50

## COLONIZATION ROADS.—Continued.

South River Bridge..	Wm. Flemming, overseer, 58 days at 2.50.....	145 00	
do	Pay lists, wages of men employed.....	551 00	
do	T. F. Carr, lumber.....	139 30	
do	Sundry persons, plank, rope, blacksmithing, etc.	53 10	
		<hr/>	
do	Less advanced 1903.....	828 40	
		130 00	138 40
Sturgeon Lake and La			
France Road.....	F. Lafrance, 16 days at 2.25 ..	36 00	
do	Pay lists, wages of men employed ..	171 00	
		<hr/>	207 00
Sandy Lake and Buck-			
horn Road.....	R. Shaw, overseer, 9 days at 2.50.....	22 50	
do	Pay lists, wages of men employed.....	171 00	
do	Repairs, postage, etc.....	3 15	
		<hr/>	196 65
South Algoma Rd.....	J. Finnicure, balance 1902.....	29 45	
South Algoma Road,Egan-	C Schroeder, overseer, balance 1903.....	26 90	
ville Rd.....	N McDougall, paymaster.		
Sandford Tp. Road.....	Pay lists, wages of men employed ..	397 26	
do	A. J. Gardiner, scraper.....	6 00	
do		<hr/>	403 26
Side Line 19 & 20, Ferris			
and Chisholm.....	H. Bogue, overseer, 12 days at 2.25 ..	27 00	
do	Pay lists, wages of men employed ..	165 75	
do	Porter & Co., tools.....	6 60	
do	Repairs and postage.....	65	
		<hr/>	200 00
Scoble and Blake Rd	N. McDougall, paymaster.		
do	Pay lists, wages of men employed.....	667 48	
do	W F. Hogarth, provisions.....	130 29	
do	J T. Piper, tools, camp outfit, etc.....	49 60	
do	Sundry persons, provisions, supplies, etc.	104 35	
		<hr/>	
Shakespeare Road, to ex-		951 72	
tend .....	Less amount of account unpaid.....	501 72	
do	Jas. Currier, overseer 14 days at 2.25.....	31 50	
do	Pay lists, wages of men employed.....	259 87	
do	W M. Rollins, bolts, etc.....	9 31	
		<hr/>	300 68
St. Charles Road.....	Alex. Duhaine, overseer, 13 days at 2.00.....	26 00	
do	Pay lists, wages of men employed.....	102 86	
do	J. H. Boyd, plow point.....	1 00	
		<hr/>	129 86
Sudbury Road. (Ramsay			
Lake).....	O. Pilon, overseer, 14 days at 2.25.....	31 50	
do	Pay lists, wages of men employed.....	163 46	
do	Sundry persons, use of plow and scraper ..		
		<hr/>	199 96
Sudbury and Neelon Rd	A. Dubrueil, balance 1902.....		33 75
Springer Road to Little			
Depot .....	J. D. Vachon, overseer, 9½ days at 2.25.....	21 38	
do	Pay lists, wages of men employed.....	179 12	
		<hr/>	200 50
do	Less amount of account unpaid.....	20 50	
		<hr/>	180 00
Spanish River R'd Bridge	Alex. Faubert, overseer, 20 days at 2.25.....	45 00	
do	Pay lists, wage of men employed.....	166 50	
do	Armstrong Bros., plank.....	64 46	
do	Sims Bros., plank, etc.....	27 55	
do	Sundry persons, timber, bolts, freight, etc.....	46 65	
		<hr/>	350 16

COLONIZATION ROADS.—Continued.

Trout Lake, 14 & 15, Rd..	S. Moraue, overseer, 14 days at 2.25 .....	31 50	
do	Pay lists, wages of men employed.....	100 50	
do	D. Smith, work with team.....	49 00	
do	J. Loughrin, tools, dynamite, etc.....	18 25	
do	Stationery, postage, etc.....	75	
	<b>Z</b>		200 00
Tally-Ho Road....	Wm. Wilson, overseer, 15 days at 2.25.....	33 75	
do	Pay lists, wages of men employed.....	147 75	
do	F. & J. Laurie, cedar.....	15 01	
do	Sundry persons, blacksmithing, postage, etc....	3 50	
			200 00
Tarintorus Road....	Conrad Becker, overseer, 28 days at 2.25.....	63 00	
do	Pay lists, wages of men employed.....	403 13	
do	Soo Lumber Co., nails, etc.....	13 74	
do	Sundry persons, dynamite, tools, etc.....	14 53	
			491 40
Tay an Matchedash R'd	W. H. Lovering, overseer, 22 days at 2.00.....	44 00	
do	Pay lists, wages of men employed.....	166 00	
			210 00
Tait and Shenstone R'd..	W. J. Anderson, paymaster.		
do	A McKenzie, overseer, 25 days at 2.25.....	62 50	
do	Pay lists, wages of men employed.....	604 59	
do	Oster Bros., provisions .....	154 37	
do	J. McTague, provisions.....	38 70	
do	Sundry persons, provisions, lumber, etc.....	110 28	
			970 44
Tait and Pattullo Rd ....	W. J. Anderson, paymaster, balance 1903.....		33 09
do	H. F. Oster, overseer, 28½ days at 2.50.....	71 25	
do	Pay lists, wages of men employed.....	592 46	
do	Oster Bros., provisions.....	139 01	
do	A. Anderson, timber.....	96 30	
do	Sundry persons, tools, provisions, bolts, etc....	111 07	
			1,010 09
do	Less lumber sold.....	11 00	
			999 09
Trout Lake Road....	Thos. Hogan, overseer, 20 days at 2.25.....	45 00	
do	Pay lists, wages of men employed.....	216 63	
do	McDonald & Hay, tools.....	9 80	
do	Sundry persons, lumber and blacksmithing ....	5 07	
			276 50
do	Less advanced, 1903 .....	250 00	
			26 50
Thessalon Tp. Roads ....	Treasurer Township Thessalon, grant.....		3,000 00
Thessalon River Bridge ..	Dobie & Co., timber for bridge, 1913.....		64 20
Temiskaming Roads:—			
Armstrong 1 and 2 Con.			
Road .....	John McCracken, paymaster:—		
do	F. Atkinson, overseer, 22 days at 2.00 .....	44 00	
do	Pay lists, wages of men .....	106 35	
do	Taylor Bros., wire .....	90	
			151 25
Armstrong 3 and 4			
Con. Road .....	J. Cameron, overseer, 24 days at 2.50 .....	210 00	
do	Pay lists, wages of men .....	1,261 82	
do	Camp outfit and tools .....	94 38	
do	Sdry persons, groceries & provisions .....	466 37	
			2,032 57
Buck Road to Firstbrook	J. H. Anderson, overseer, 36 d'ys at 2.25 .....	81 00	
do	Pay lists, wages of men .....	913 07	
do	Sundry persons, teaming .....	5 90	
			999 97
Buck Road, Con. 3 & 4	Jno. Reid, overseer, 9 days at 2.00..	18 00	
do	Pay lists, wages of men .....	122 72	
do	Sundry persons, dynamite, etc.....	10 04	
			150 76

COLONIZATION ROADS.—*Continued.*

Brethour Road	J. Wilder, overseer, 31 days at 2.25	69 75	
do	Pay lists, wages of men employed	484 73	
do	G. Cook, blacksmithing,	3 60	
			558 08
Buck Road Lots 10 & 11	F. Geroux, overseer, 27½ days at 2.25	62 43	
do	Pay lists, wages of men employed	337 65	
do	Sundry persons, dynamite, etc.	9 42	
			409 50
Dymond, Con. 1 & 2	S. Scrimshaw, overs'r, 10½ d'ys at 2.25	23 62	
do	Pay lists, wages of men employed	75 85	
			99 47
Dymond & Hartley Road	Thos. Waugh, overseer, 41 days at 2.25	92 25	
do	Pay lists, wages of men employed	498 23	
do	Taylor Bros., tools	1 15	
			591 63
Dymond & Buck Rd.	S. Reid, overseer, 15 days, ½ hr., at 2.00	30 10	
do	Pay lists, wages of men employed	107 16	
do	Sundry persons, dynamite, etc.	12 57	
			149 83
Dawson Road	J. Dawson, overseer, 19½ days at 2.25	43 87	
do	Pay lists, wages of men employed	254 51	
			298 38
Harley & Casey Road	J. W. Bolger, overseer, 57½ days at 2.25	129 93	
do	Pay lists, wages of men employed	766 96	
do	Sundry persons, tools	19 01	
			915 90
do	D. Littlejohn, overseer, 16 days at 2.25	36 00	
do	Pay lists, wages of men employed	303 71	
do	Taylor Bros., tools	7 65	
			347 36
Harley & Hilliard Road	A. Burton, overseer, 50 days at 2.25	112 50	
do	Pay lists, wages of men employed	619 69	
do	Sundry persons, tent, tools, etc.	64 27	
do	do .. hay and oats	140 89	
do	do .. prov. & groceries	206 92	
			1,144 27
Harley 3 and 4 Road	J. Mattice, overseer, 18 days at 2.25	40 50	
do	Pay lists, wages of men employed	142 47	
do	Taylor Bros., camp material	21 23	
do	A. McNaughton, lumber	11 00	
do	Sdry. persons, groceries & provisions	72 09	
			287 29
Harris, Lots 2 & 3 Road	J. Irwin, overseer, 4 days at 1.75	7 00	
do	Pay lists, wages of men employed	14 87	
			21 87
Harley & Hillard Road	J. B. Graham, overseer		
do	Pay lists, wages of men employed		572 34
Harley & Dymond Rd.	R. Davie, overseer, 13 days at 2.00	26 00	
do	Pay lists, wages of men employed	123 14	
			149 14
Judge & Liskeard Rd	H. Keats, overseer, 53½ days at 2.25	134 43	
do	Pay lists, wages of men employed	240 14	
do	W. Judge, tools	6 78	
			381 35
Judge Mining Road	Wm. Judge, overseer, 58 days at 2.50	145 00	
do	Pay lists, wages of men employed	716 17	
do	Cleveland Bros., dynamite, etc.	38 50	
do	Taylor Bros., tools	3 84	
			903 51
Kearns Road, 3 & 4 Con.	J. H. Cook, overseer, 41 days at 2.25	92 25	
do	Pay lists, wages of men employed	761 25	
do	Sundry persons, camp outfit and tools	37 23	
do	do .. prov. & groceries	118 39	
		1,009 12	
do	Less sale of lumber	8 95	
			1,000 17



## COLONIZATION ROADS.—Continued.

Long Lake Road	T. S. Taylor, overseer, 57 days at 2.50	142 50	
do	Pay lists, wages of men employed....	1,358 85	
do	G. Warrell & Co., provisions .....	221 99	
do	Sdry. persons, provisions & camp outfit	153 38	1,876 72
North Road	S. S. Richie, overseer, 56 days at 2.25	112 50	
do	Pay lists, wages of men employed ....	1,126 99	
do	Sundry persons, tools & camp outfit	57 18	
do	do hay and oats .....	209 55	
do	do groceries & provs...	462 05	1,968 27
Robillard & Savard Rd.	J. T. Regan, overseer, 87½ days at 2.25	196 87	
do	Pay lists, wages of men employed..	500 06	
do	Sundry persons, tent & camp material	30 13	727 06
Taylor Rd. to Uno Park	S. Alexander, overs'r, 27 days at 2.25	60 75	
do	Pay lists, wages of men employed .	435 14	
do	Taylor Bros., rope .....	6 00	
Taylor & Wabis, Creek Road	L. Scott, overseer, 9 days at 2.25 ....	20 25	501 89
do	Pay lists, wages of men employed..	117 63	
West Road in Evanturel	T. S. Taylor, overseer, 61 days at 2.25	137 25	
do	Pay lists, wages of men employed..	1,692 38	
do	Warrell & Co., provisions & groceries	433 82	
do	J. Clark, provisions and groceries ....	220 07	
do	Sundry persons, camp outfit & provns	351 77	2,835 29
West Rd. in Armstrong	J. Fields, overseer, 34 days at 2.50 ....	85 00	
do	Pay lists, wages of men employed..	725 08	
do	Sundry persons, camp outfit, etc .....	25 97	
do	do groceries & provs...	127 58	963 63
West Rd., Armstrong	J. Sharpe, overseer, 68 days at 2.50..	170 00	
do	Pay lists, wages of men employed ..	1,541 51	
do	Sundry persons, tools, camp outfit, etc	148 65	
do	do hay and oats .....	219 34	
do	do groceries and provs.	327 20	2,406 70
West Rd. in Kearns	Wm. Fisher, overs'r, 86 1-10 d'ys at 2.50	215 25	
do	Pay lists, wages of men employed..	1,935 01	
do	Sundry persons, lumber .....	159 80	
do	do tools & camp outfit	46 92	
do	do groceries & provs....	275 08	2,632 06
West Road, Armstrong	J. Martin, overseer, 14½ days at 2.00..	29 50	
do	Pay lists, wages of men employed..	44 50	74 00
West Road, Kearns (Cutting Hill)	J. Newton, overseer, 42 days at 2.50 ..	105 00	
do	Pay lists, wages of men employed....	522 18	
do	C. Newton, lumber .....	64 69	
do	Sundry. persons, blacksmithing, tools	23 08	714 95
West Road, (General Repairs)	J. Grills, overseer, 84 days at 2.50 ..	210 00	
do	Pay lists, wages of men employed....	913 43	1,123 43
West Road, Con. 3 & 4 Armstrong	J. J. Camerow, overseer, 71 days at 2.50	177 50	
do	Pay lists, wages of men employed ..	1,713 48	
do	Sundry persons, camp outfit, tools, etc	66 98	
do	do groceries & provisions.	386 30	2,344 26
Locating Roads	Thos. Harold, 53 days at 3.00 .....	159 00	
do	Sundry persons, provisions, etc.....	27 00	
do	G. Roach, guide and horse hire .....	84 00	
do	T. Harold, expenses .....	91 70	361 70

COLONIZATION ROADS.—Continued.

Disbursements .. . . .	P. T. Lawlor, team .. . . .	5 00	
do	V. M. Roberts, surveying North Rd....	21 50	
do	R. Farrah, team.....	6 00	
		<hr/>	32 50
			29,814 98
do	Less paid 1903 .. . . .	27,300 00	
		<hr/>	2,514 98
Temiskaming Roads .. .	John McCracken, paymaster:—		
Buck Road .. . . .	John Reid, overseer, 12½ days at 2.00	25 00	
do	Pay lists, wages of men employed.....	179 62	
		<hr/>	209 27
do	Sundry persons, dynamite .. . . .	4 25	
Buck & Dymond Road.	S. Reid, overseer, 10½ days @ 2.25.....	23 63	
do	Pay lists, wages of men employed .. . . .	187 67	
do	J. H. Bell, dynamite .. . . .	16 00	
do	J. Reid, board of men .. . . .	5 50	
		<hr/>	232 80
Evanturel, 6 & 7 Road....	T. S. Taylor, overseer 61 days @ 2.50	152 50	
do	Pay lists, wages of men employed .. . . .	1,054 19	
do	John Clark, groceries, provisions, etc	436 17	
do	D. Frood, butter, oats, etc. ....	58 38	
do	Sundry persons, provisions, oats, etc..	128 32	
		<hr/>	1,829 56
Grading Roads .. . . .	John Grills, overseer 85 days @ 2.50..	212 50	
do	Pay lists, wages of men employed.....	630 90	
do	Taylor Bros., camp outfit.. . . .	29 41	
do	Sundry persons, repairs to scraper .. . . .	46 65	
		<hr/>	910 46
Liskeard & Haileybury Road .. . . .	Wm. Robb, overseer 16 days @ 2.00..	32 00	
do	Pay lists, wages of men employed....	158 12	
do	Wm. Fleming, overseer 8 days @ 2.00..	16 00	
do	Pay lists, wages of men employed....	94 50	
		<hr/>	300 62
Locating Roads .. . . .	A. E. Cross, services, 80 days @ 3.50....	280 00	
do	Hugh Bond, assistant, @ 2.00 per day	103 00	
do	W. C. Burling, do do .. . . .	122 00	
do	W. C. Walton, provisions .. . . .	30 92	
do	Sundry persons, blankets, tents, provisions, etc. ....	26 38	
op	Travelling expenses.. . . .	48 55	
		<hr/>	610 85
Judge & Liskeard Rd .. .	H. Keals, overseer, 51 days at 2.25 ..	114 75	
do	Pay lists, wages of men employed....	385 07	
do	Sundry persons, tools....	4 40	
		<hr/>	504 22
Robillard and Savard .. .	J. T. Regan, overseer, 35½ days at 2.25	79 88	
do	Pay lists, wages of men employed....	426 91	
do	L. G. Hooley, tools....	8 45	
		<hr/>	515 24
West Road .. . . .	J. Newton, overseer, 23 days at 2.00	46 00	
do	Pay lists, wages of men employed .. . . .	172 14	
do	C. Sharp, overseer, 48 days at 2.25....	108 00	
do	Pay lists, wages of men employed .. . . .	475 44	
do	E. Reilly, oats, hay, etc. ....	103 70	
do	G. Warrell & Co., provisions .. . . .	55 04	
do	Sundry persons, provisions, board, etc.	80 77	
do	F. Haley, overseer, 25 days at 2.50 .. . . .	62 50	
do	Pay lists, wages of men employed .. . . .	285 84	
do	P. Brown, meals for men .. . . .	105 40	
do	Jno. Clark, oats, hay, etc. ....	45 46	
do	T. S. Taylor, overseer, 44 days at 2.50	110 00	
do	Pay lists, wages of men employed....	863 62	
do	P. Brown, board of men .. . . .	311 64	

COLONIZATION ROADS.—Continued.

West Road.—Continued.	Ira Taylor, board of men	92 40	
do	John Clark, hay, oats, etc.	59 74	
do	Sundry persons, provisions, blankets, etc.	157 39	
		<hr/>	
		2,916 94	
	Less hay sold by T. S. Taylor	11 50	
		<hr/>	3,123 58
West Road, Kearns	John Newton, overseer, 8 days at 2.50	20 00	
do	Pay lists, wages of men employed..	83 34	
do	S. Eplett, tools	2 85	
		<hr/>	106 19
Haileybury & Cobalt Rd.	Fred. A. Giroux, overseer, 44½ days at 2.50	111 25	
do	Pay lists, wages of men employed..	654 17	
do	Little Bros., plank, etc.	88 84	
do	Sundry persons, tools, dynamite, etc	62 87	
		<hr/>	
		917 13	
	Less amount of account unpaid	417 13	
		<hr/>	500 00
Firstbrook Twp.	J. Grills, contract, to stump and grub a road 3 miles at 220.00 per mile..		660 00
Evanturel and Marter	Denis Foley, contract to chop and clear a road, along line between Evanturel and Marter, from line between lots 6 & 7 to West bound- ary of Marter, 3 miles at 200.00 ..		600 00
Chamberlain Twp.	Brown & Younghusband, contract to chop and clear a road, along east limit of Chamberlain, 3 miles at 200.00 ..		600 00
Long Lake Road	J. E. Decoe, contract to build a road 20 miles at 400.00	8,000 00	
do	Extras.—Deviation in road 16½ chains at 400.00 per mile	22 50	
do	Crossway timber at 1.00 per rod..	140 00	
do	Culverts, plowing and grading...	250 00	
do	Allowance for bridges, constructed ..	250 00	
do	Allowance for camp, stables, etc. ...	125 00	
		<hr/>	
		8,847 50	
	Less advanced, 1903 ..	3,552 00	
	Less, deducted stumps, not removed	220 00	
		<hr/>	
		3,772 00	5,075 50
Kearns and Henwood.	Jas. Macdonald, contract to cut and clear a road from line between lots 8 & 9 Kearns to line between lots 6 & 7 Henwood, 5 miles at 275.00		1,375 00
Beauchamp Twp.	Jas. Macdonald, contract to cut and clear a road on and along be- tween Cons. 3 & 4 Beauchamp, 3 miles at 275.00		825 00
Chamberlain, Pacaud and Marquis	Jas. Macdonald, contract to cut and clear a road, along east bound- ary of Chamberlain; south bound- ary of Pacaud, and east boundary of Marquis, 15 miles at 350.00	5,250 00	
do	Extra for deviations, 2 miles, 3½ chains at 350.00	715 32	
		<hr/>	
			5,965 32

COLONIZATION ROADS.—Continued.

Evanturel Twp. . . . .	Jas. Macdonald, contract to stump and grub a road between lots 6 and 7 to N. boundary of Evanturel, 3 miles at 350.00 . . . . .	1,050 00	
Evanturel and Marter . . . .	Jas. Macdonald, contract to stump and grub a road between Evanturel and Marter to Chamberlain, thence along east boundary to Con. 4, thence west to line between 2 & 3 Chamberlain, thence along to south boundary of Pacaud, 10 miles for the sum of . . . . .	2,950 00	
do	Crossway timber, 75 rods at 2.00 ..	150 00	
		<u>3,100 00</u>	
West Evanturel Road . . . .	Jas. Macdonald, logging road . . . .	45 00	
Bridging Round Lake and Lablanche River . . . . .	Jas. Macdonald, contract, 4 bridges	1,766 74	
Kearns and Henwood . . . .	W. J. Montgomery, contract to stump and grub from line between lots 8 & 9 Kearns, to east boundary of Henwood, 2 miles at 300.00 per mile	600 00	
Pacaud Twp. . . . .	Wm. Judge, contract to stump and grub, south boundary Pacaud, 6 miles at 250.00 . . . . .	1,500 00	
do	Extra deviation $\frac{1}{2}$ miles at 250.00 per mile . . . . .	62 50	
		<u>1,562 50</u>	
Pacaud Twp. . . . .	Wm. Judge, contract to stump and grub, west boundary Pecaud, from north to south. 6 miles at 255.00 per mile . . . . .	1,530 00	
Henwood Twp. . . . .	Thos. Harold, contract to stump and grub a road along line of 4 & 5 *Henwood from east boundary, 1 $\frac{1}{2}$ miles at 400.00 . . . . .	600 00	
do	Extra:—160 rods ditching at .90 per rod	144 00	
		<u>744 00</u>	
Armstrong Twp. . . . .	Thos. Harold, contract, to stump and grub a road from West Road at centre of Armstrong to $\frac{1}{2}$ mile west of east limit of Beauchamp, 3 $\frac{1}{2}$ miles at 400.00 . . . . .	1,400 00	
		<u>35,742 45</u>	
Temiskaming Road . . . .	F. Atkinson, balance, 1902 . . . . .	20 00	
Verner South to Lake Nipissing . . . . .	S. Delongchamp, overseer, 14 days at 2.25 . . . . .	31 50	
do	Pay lists, wages of men employed . . . . .	164 63	
do	Sundry persons, tools and postage . . . . .	3 95	
		<u>200 08</u>	
Verner and Badgerow R'd	Leon Maillot, overseer, 8 $\frac{3}{4}$ days at 2.25 . . . . .	19 75	
do	Pay lists, wages of men employed . . . . .	77 37	
do	F. A. Ricard, tools . . . . .	3 54	
do	Sundry persons, repairs and postage . . . . .	95	
do	W. Leduc, overseer, 17 $\frac{1}{4}$ days at 2.25 . . . . .	38 82	
do	Pay lists, wages of men employed . . . . .	253 70	
do	F. A. Ricard, tools . . . . .	6 48	
do	Sundry prsons, dynamite, blacksmithing, etc. . . . .	10 95	
		<u>411 5f</u>	



## COLONIZATION ROADS.—Continued.

Vankoughnet Rd....	J. F. Boyd, paymaster.		
do	Pay lists, wages of men employed .....	2,772 63	
do	W. H. Ewing, provisions, groceries, etc. ....	691 64	
do	Dawson & Co., provisions .....	188 26	
do	Moore & Brown, tent, dynamite, tools, etc. ....	115 75	
do	Sundry persons, supplies, blacksmithing, freight, etc. ....	223 92	
		<hr/>	
do	Less sale of lumber .....	5 00	
		<hr/>	3,987 20
Vanhorn Tp. Road .....	N. McDougall, paymaster.		
do	Pay lists, wages of men employed .....	449 45	
do	J. G. Hayes, tools, etc. ....	33 45	
Victoria Rd. North of Vic- toria Bridge....	J. Snell, overseer, 20 days at 2.00 .....	40 00	482 90
do	Pay lists, wages of men employed .....	349 00	
do	Standard Lumber and Stone Co., rent of tools	11 00	
		<hr/>	400 00
Victoria Rd near Uphill..	Michael Healey, overseer, 12 days at 2.00 .....	24 00	
do	Pay lists, wages of men employed .....	176 50	
		<hr/>	200 50
Vazina Road....	R. Vazina, overseer, 14 days at 2.25 .....	31 50	
do	Pay lists, wages of men employed .....	159 00	
do	R. Lillie, scraper .....	8 50	
do	Postage, stationery, etc. ....	1 00	
		<hr/>	200 00
Warren and Martland R'd	F. Dupuis, overseer, 80 days at 2.50.. ..	200 00	
do	Pay lists, wages of men employed .....	1,760 27	
do	B. Chartrand, teaming .....	21 00	
do	A. Trudel, blacksmithing .....	21 15	
do	Sundry persons, tools, nails, etc. ....	19 45	
do	M. P. Doherty, travelling expenses .....	51 90	
do	N. Desmarias, overseer, 14 days at 2.25 .....	31 50	
do	Pay lists, wages of men employed .....	142 41	
do	C. Bertrand, tools .....	12 60	
do	Sundry persons, tools .....	13 50	
do	N. Boufford, overseer, 16½ days at 2.25 .....	37 68	
do	Pay lists, wages of men employed .....	210 36	
do	P. Bertrand, tools .....	7 81	
do	F. Zambremont, overseer, 27 days at 2.25 .....	60 75	
do	Pay lists, wages of men employed .....	286 56	
do	C. Monette, tools .....	18 45	
do	J. Lamonnens, tools .....	1 90	
		<hr/>	2,897 29
Warren and Sudbury R'd	L. McDonald, overseer, 20½ days at 2.25 .. ..	46 12	
do	Pay lists, wages of men employed .....	136 60	
do	Alex. Dubrieul, overseer on account .....	180 00	
		<hr/>	362 72
Warren and Hugel Rd....	H. Christianson, overseer, 20 days at 2.25 .. ..	45 00	
do	Pay lists, wages of men employed .....	255 37	
do	Crowbar .....	1 25	
		<hr/>	301 62
Widdifield Roads .....	L. Cusson, overseer, 28 days at 2.25 .....	63 00	
do	Pay lists, wages of men employed .....	276 01	
do	Richardson & Co., tools .....	8 65	
do	Sundry persons, dynamite, blacksmithing, etc.	2 25	
do	Thos. Macdonald, overseer, 13 days at 2.25 .. ..	29 25	
do	Pay lists, wages of men employed .....	166 36	
do	Macdonald & Hay, tools .....	5 40	
		<hr/>	550 92

## COLONIZATION ROADS.—Continued.

Wilberforce and North			
Algona Rds.....	J. W. Budd, overseer, 20 days at 2.25 .....	45 00	
do	Pay lists, wages of men employed .....	180 17	
do	McCann Bros., plow and scraper .....	21 00	
do	Dunlop & Co., tile .....	10 35	
do	Sundry persons, lumber and tools .....	11 50	
do	Wm. Carrow, overseer, 9 days at 2.00 .....	18 00	
do	Pay lists, wages of men employed .....	83 25	
do	McCann Bros., plows .....	12 70	
do	Sundry persons, lumber, blacksmithing, etc. ..	4 62	
do	Daniel Gorr, overseer, 14 days at 2.00 .....	28 00	
do	Pay lists, wages of men employed .....	156 75	
do	McCann Bros., plow and repairs .....	13 70	
do	Sundry persons, tools and repairs .....	10 80	
		<hr/>	
		595 84	
do	Less sale of plow by Wm. Carrow 10 00		
do	do by J. W. Budd 13 00	23 00	
		<hr/>	572 84
Wisawasa Road....	Michael Groulx, overseer, 11½ days at 2.25 ....	26 43	
do	Pay lists, wages of men employed .....	168 39	
do	Geo. Morrison, tools .....	5 80	
do	Sundry persons, dynamite, tools, etc. ....	3 35	
		<hr/>	203 97
Wainwright Tp. Roads....	N. McDougall, paymaster.		
do	Pay lists, wages of men employed .....	491 52	
do	J. G. Hayes, dynamite, etc. ....	17 03	
Wabigoon and Dinorwic			
Rd ....	N. McDougall, paymaster.		
do	Pay lists, wages of men employed .....		498 73
Wells, road repairs..	Nelson Ansley, overseer, 40 days at 2.50 .....	100 00	
do	Pay lists, wages of men employed .....	598 86	
do	Dobie & Co., oats, supplies, tools, etc. ....	49 67	
do	Sundry persons, tools, horse feed, etc. ....	61 00	
		<hr/>	
do	Less sale of tent .....	5 00	
		<hr/>	804 53
Webwood and Nairn Road	John Tario, overseer, 32 days at 2.00 .....	64 00	
do	Pay lists, wages of men employed .....	594 25	
do	N. Lesser & Sons, provisions.....	87 43	
do	S. J. Hawkins, provisions .....	45 80	
do	Sundry persons, tools, provisions, lumber, etc..	108 43	
		<hr/>	899 91
Worthington and Blue R'd	Jeremiah Nolan, overseer, 42 days at 2.50 ....	105 00	
do	Pay lists, wages of men employed .....	518 33	
do	W. Phipps, crossway timber .....	160 00	
do	G. Sleeman, groceries and provisions .....	96 32	
do	Sundry persons, meat, provisions, tools, etc. ..	96 32	
do	J. Nolan, accountable .....	4 03	
		<hr/>	980 00
Winnipeg River Road ...	N. McDougall, paymaster.		
do	Pay lists, wages of men employed .....	282 26	
do	Ontario Powder Co., dynamite, etc .....	15 75	
do	Sundry persons, tools .....	5 60	
		<hr/>	303 61
West Road Tp. Patterson.	John Bain, overseer, 20 days at 2.25 .....	45 00	
do	Pay lists, wages of men employed .....	242 22	
do	Sundry persons, tools and repairs .....	20 01	
		<hr/>	
do	Less sale of shovel .....	55	
		<hr/>	306 68
White River Bridge Piers	D. Bell, services and assistance building bridge	23 00	
do	Shaw and Teaky, bridge iron .....	11 50	
		<hr/>	34 50

COLONIZATION ROADS.—*Concluded.*

White's Bridge, Magnete-			
wan River....	Jno. Murphy, overseer, 10 days at 2.25 .....	22 50	
do	Pay lists, wages of men employed .....	26 00	
do	M Cummins, lumber .....	58 50	
do	Sundry persons, nails, teaming, etc. ....	4 82	91 82
Wilno and Combermere..	Peter Lazinski, overseer, 14 days at 2.25 ....	31 50	
do	Pay lists, wages of men employed .....	168 60	200 10
Wolfe River Bridge..	B. Wickett, overseer and builder, 12 days at 3.00 .....	36 00	
do	Pay lists, wages of men employed .....	249 34	
do	W H. Ratz, lumber .....	55 68	
do	Sundry persons, teaming, spikes, postage, etc. ....	50 72	391 74
West Arm Road ..	E. Lefleur, overseer, 8½ days at 2.25 ..	19 70	
do	Pay lists, wages of men employed .....	67 90	
do	F. Pilon, lumber .....	27 82	
do	Sundry persons, bolts, nails, postage, etc. ....	5 83	
Wabigoon and Beaudros			121 25
Road....	N. McDougall, paymaster.		
do	Pay lists, wages of men employed ..	308 25	
do	Wabigoon Gold Rock Co., provisions ..	29 94	
do	Wabigoon Meat and Produce Co., provisions ..	39 86	
do	Sundry persons, camp outfit, meals, teaming, etc. ....	32 45	
		410 50	
do	Less advanced, 1903 .....	300 00	110 50
Wasa Bridge, Chisholm ..	A. St. Louis, overseer, balance, 1903 .....		8 85
Zealand Tp. Road.....	N. McDougall, paymaster		
do	Pay lists, wages of men employed ..	362 31	
do	C. A. Nordrum, hire of tools and right of way	16 00	
do	Wabigoon Hardware Co., tools, nails, etc. ....	7 85	386 16
			176,125 72
	Less Refunds:		
	Parkinson Bridge, 1903 .....	10	
	Sauer Road, 1903 .....	4 72	
	Devlin and Burris Road, 1903 .....	33 20	
	Lacloshe Bridge, 1903 .....	90 00	
	Grand Portage Road, 1901-1903 .....	27 23	
	Loboro and Wilmer Road, 1903 .....	230 00	
	Manitowaning and Providence Bay Road, 1903 ..	117 58	
	Markstay and Warren Road, 1902 ..	2 15	
			504 98
	Total Colonization Roads .....		175,620 74

## CHARGES ON CROWN LANDS.

## BOARD OF SURVEYORS (\$200.00.)

Secretary-Treasurer—Board of Land Surveyors of Ontario—To pay examiners.... 200 00

## AGENTS' SALARIES AND DISURSEMENTS (35,486.90)

Salary as Agent:—

J. B. McWilliams, 2,500.00; Wm. Margach, 1,600.00; H. Munroe, 1,200.00;  
 E. Garrow, 1,400.00; Jno. Kennedy, 1,600.00; Chas. Henderson, 1,400.00;  
 Geo. Sleeman, 1,200; M. Seegmiller, 800.00; W. P. Christie, 1,600.00;  
 Jos. Maughan, 1,400.00; (arrears 1903, 88.22)  
 Thos. A. Wigg, 1,400.00; (arrears 1903, 88.22)  
 W. F. Scott, 1,200.00; (arrears 1903, 133.33)

## CHARGES ON CROWN LANDS.—Continued.

## AGENTS' SALARIES AND DISBURSEMENTS—Continued.

E. Lloyd, 1,200.00; (arrears 1903, 59.17)	
A. E. Annis, 200.00; Jno. Armstrong, 500.00;	
S. G. Best, 500.00; Thos. Buchanan, 300.00; W. Campbell, 300.00;	
J. D. Cockburn, 500.00; T. G. Eastland, 300.00; Jas. Ellis, 500.00;	
B. J. Gilligan, 300.00; (arrears 1899 to 1903, 1,250.00)	
E. Handy, 500.00; Wm. Hartle, 350.00; C. J. Hollands, 300.00;	
Alex. Hamilton, 250.00; W. H. Hesson, 500.00; Wm. Kirk, 500.00;	
T. J. Ryan, 500.00; J. S. Scarlett, 500.00; Wm. Stephenson, 300.00;	
C. R. Stewart, 500.00; Jas Stewart, 300.00; J. R. Tait, 300.00;	
Jno. Whelan, 300.00; A. W. Wood, 100.00; H. N. Young, 300.00;	
S. Davis, caretaker Leonard Island .....	20 00
D. H. Ames, do Dog and Loboro Lakes .....	20 00
G. Bilton, do Mud and Loon Lake .....	25 00
T. E. Armstrong, Services Sub-Agency, Temiskaming District .....	250 00
H. M. Pardee, do Watching logs, Soo. at \$2.00 per day .....	26 00
A. L. Cloutier, do Homestead Inspector 1 1-4 months, 126.30; accountable for expenses, 100.00 .....	226 30
Disbursements as Agent:—	
Jas. Ellis, 15.65; R. V. Whelan, 3.51; C. R. Stewart, 6.50; W. Stephenson, 35.82;	
H. N. Young, 10.50; J. Whelan, 9.21; T. G. Eastland, 9.82; T. J. Ryan, 18.85.....	
E. Handy, 13.10; L. Mowry, 5.00; S. G. Best, 7.88; W. Campbell, 27.10.....	
W. Kirk, 13.32; J. D. Cockburn, 21.17; W. H. Hesson, 18.50.....	
A. E. Annis, 73.66; A. W. Wood, 27.00; S. F. Forbes, .86; M. Seegmiller, 9.65.....	327 10
Rat Portage Agency:—	
W. Margach: Travelling expenses and disbursements, 590.25.....	
S. S. Scovil: Rent of office 1903 for M. Seegmiller, 180.00 .....	
Flora McMurphy: Services in office at 1.00 per day, 138.00.....	
Assistance: Hugh Linklater, 5.25; R. J. Favell, 5.25; Fred. Sargent, 5.00;	
R. B. Martin, 6.00.....	
E. Riley: Teaming, 57.50; E. F. Kendall, trav. expenses, 7.00 .....	
Colborne & Bishop: Team of horses, 240.00; Scott & Hudson, sleigh, 20.00;	
Jas. McLaughlin: Wood, 10.50; Wm. English Canoe Co., canoes, 63.50.....	
W. McKirdy: Snowshoes, 10.00; D. Pike Co., wagon covers, 9.50.....	
Great West Saddlery Co.: Harness, robe, etc., 17.35.....	
Horse feed: J. T. Brett, 50.95; Wabigoon Produce Co., 12.16 .....	
C. C. Delbridge: Livery hire, 35.00; C. P. Railway Co., freight charges, 49.60.....	
Rainy River Nav. Co.: Freight charges and fares of men, 91.30.....	
Printing and Stationery: G. W. Smith, 7.70; Miner Pubg. Co., 9.75.....	
Postage stamps: S. F. Forbes, 1.14; A. J. Parsons, 16.00.....	1,638 70
Sault Ste. Marie Agency:—	
J. Maughan: Services in charge of office Nov. 27-Dec. 8, '03, 50.00.....	
J. Ganley: Rent of office, 91.00; A. Templeman & Sons, livery hire, 37.00.....	
C. T. Adams & Co.: Stationery, 70.35; C. P. R. Tel. Co., telegrams, 18.64.....	266 99
Peterboro Agency:—	
Toronto Savings & Loan Co.: Rent of office, 150.00; L. Mowry, postage stamps, 9.00;	
Times Ptg. office: Staty. and printing, 76.70; Peterboro Light & Power Co., light, 10.00.....	245 70
Pembroke Agency:	
J. C. Kennedy: Expenses and disbursements, 170.58.....	
Mrs. J. W. Munro: Rent of office, 50.09.....	220 67
Fort Francis Agency:—	
Geo. Sleeman: Travelling expenses and disbursements, 342.05; accountable, 33.95;	
Services exploring at 2.00 per day: S. Orr, 38.00; J. Crow, 26.00; J. N. Hurd, 34.00;	
R. F. Marsh: Rent of office, 25.00; Rat Portage Lumber Co.: lumber, 5.29 .....	
Supplies: E. H. Kelcey, 3.00; H. Williams Co.: 92.95.....	
Wells Hardware Co.: Canoes, 93.95; F. W. Fleming: use of canoe, 9.70;	
Fort Francis Times: Stationery, 8.75 .....	
Travelling expenses re water power: R. P. Fairbairn, 75.20; W. McGowan, 30.30....	818 14
Sudbory Agency:—	
C. Henderson: Disbursements, 11.15; R. J. Tough: Rent of office, 120.00.....	
A. Cousineau: Services as Inspector, 2.00; Can. Express Co., exp. charges, 5.10;	
Provisions and supplies: Geo. Lemon, 41.67; Cockburn Mercantile Co., 15.83.....	195 75



## CHARGES ON CROWN LANDS.—Continued.

## AGENTS' SALARIES AND DISBURSEMENTS.—Continued.

Parry Sound Agency:—		
W. P. Christie: Disbursements, 71.84;	Accountable, 140.00	211 84
Port Arthur Agency:—		
J. C. Wiseman: Assistance, 11.25;	L. Walsh Coal Co.: Coal, 40.00;	
Printing and stationery: <i>Chronicle</i> Ptg. Co.: 40.75; J. F. E. Berry & Co., 3.25		95 25
New Liskeard Agency:—		
J. Armstrong: Disbursements, 37.23;	T. E. Armstrong: Services, 150.00;	
E. B. Lloyd: Travelling expenses and disbursements, 83.61; Accountable, 16.39		287 23
Thessalon Agency:—		
T. G. Wigg:	Travelling expenses and disbursements, 403.00;	
do To pay: Bell Tel. Co.: Messages, 3.20; C. P. R. Tel. Co., telegrams, 4.63;		
	<i>Algoma Advocate</i> : Printing and stationery, 13.75;	
N. & A. Dymont: Rent of office, 90.00;	Buchanan Bros.: Wood, 5.00;	
W. Ketch & Sons: Furniture, 64.60;	Provisions, etc.: 39.81;	
E. Brown:	Services inspecting at 3.00 per day, 54.00;	
Stephen Gagne:	Assisting at 2.25 per day, 24.75;	
J. Gagnon: Assistance, 6.00;	C. Donaldson: teaming, 16.00	724 74
W. F. Scott:	Travelling expenses and disbursements, 130.45;	
do To pay M. Ross: Services assisting at 2.00 per day, 30.00		160 45
E. W. Garrow: Travelling expenses and disbursements		136 57
Jno. Brady: Special Inspection Cardiff 6 days, 30.00; trav. expenses, 11.00		41 00
L. K. Cameron: Stationery		30 53

## FOREST RANGING AND INSPECTION OF TIMBER LIMITS (\$33,341.00)

Services as Ranger at \$5.00 per day:—		
John Brady: 1,290.00; Accountable, 50.00; John Regan, 1,560.00; Accountable, 150.00;		
T. G. Wigg: 220.00; J. J. Pearson, 495.00; Accountable, 50.00;		
Thos. Mooney, 520.00; Accountable, 150.00;		
P. McCogherty, 650.00; Accountable, 50.00; A. McGillivray, 405.00; Accountable, 50.00;		
W. P. Malone, 635.00; Accountable, 50.00; D. Fraser, 640.00; Accountable, 50.00;		
J. L. Bremner, 745.00; Accountable, 50.00; W. Robinson, 1,035.00; Accountable, 250.00;		
Jas. Halliday, 800.00; Accountable, 50.00; C. Young, 780.00;		
W. Quinn, 1,160.00; Accountable, 50.00; Geo. Elliott, 1,065.00; Accountable, 50.00;		
M. T. Hickerson, 585.00; S. M. Johnston, 1,405.00;		
W. McGowan, 1,180.00; D. H. Moore, 1,470.00		17,690 00
Services as Rangers at 4.00 per day:—		
A. C. Crawford, 812.00; Accountable, 50.00; J. McConachie, 376.00; Accountable, 150.00;		
J. H. McFarlane, 564.00; Accountable, 50.00; Hy. Jervis, 580.00; Accountable, 50.00;		
G. Kintrea, 676.00; Accountable, 150.00; J. M. Campbell, 580.00; Accountable, 50.00;		
Jas. Watterworth, 660.00; Accountable, 400.00; P. McLaren, 156.00;		
T. G. Taylor, 610.00; Accountable, 120.00; L. Loughrin, 416.00; W. McGregor, 50.00;		
Wm. Campbell, 500.00; T. McDonald, 596.00; Wm. Wood, 64.00;		
L. O. Revelle, accountable, 100.00		7,760 00
Services as Ranger at \$3.50 per day:—		
H. Jervis, 434.00; J. M. Milne, 100.00; W. J. Kirk, 288.50; Accountable, 150.00;		
C. H. Widdifield, 187.00; Accountable, 50.00; M. J. Devine, 453.00; Accountable, 50.00;		
F. Sinclair, 981.50; Accountable, 50.00		2,744 00
Services as Ranger at \$3.00 per day:—		
J. A. Margach, 135.00; Accountable, 300.00; C. Young, 51.00; Accountable, 50.00;		
Roy McConachie: Accountable, 103.00; J. L. Hanes, 429.00; P. O'Brien, 54.00		1,119 00
E. W. Smith: scaling logs at 4.00 per day, 40.00; E. Reilly: services at 2.00 assisting W. Margach, 107.80; trav. expenses, 27.60		175 40
I. R. Mackey: Board of E. Reilly, 24.50; Jas. Bolt: services at 2.00, 64.15; Wm. Stillar, services at 2.00, 138.00		226 65
Oliver Obin: Services at 2.00 with G. Sleeman, 112.00; P. O'Brien, services at 3.00 day with T. Hickerson, 87.00		199 00
A. Bartley: Services at 3.00 per day with T. Hickerson, 210.00; E. A. McKenzie: Services at 3.00 per day, 33.00		243 00

## CHARGES ON CROWN LANDS.—Continued.

## FOREST RANGING AND INSPECTION OF TIMBER LIMITS.—Concluded.

Travelling Expenses and Disbursements:—	
John Bradey, 20.38; John Regan, 232.70; H. Jervis, 12.75; W. P. Christie, 20.55; T. Mooney, 24.60; J. A. Margach, 29.80; C. H. Widdifield, 22.50; A. McGillivray, 37.00; W. P. Malone, 19.00; J. L. Bremnor, 25.80; W. Robinson, 148.70; S. Kintrea, 12.90; J. M. Campbell, 48.40; Jas. Watterworth, 10.00; E. B. Lloyd, 27.45; Jos. Maughan, 59.89; S. M. Johnston, 19.32; L. Loughrin, 22.20; T. McDonald, 7.30; W. Wood, 76.20; D. H. Moore, 100.99; J. L. Hanes, 34.37; F. Sinclair, 2.50	1,014 90
Brennan & Ryan: Rent of office for P. McCogherty	34 87
C. C. Delbridge: Horse hire for A. McGillivray	74 50
W. Margach: Exploring south of Can. Pac. Rwy:—	
To pay office rent to Oct., 1904, 80.00; rent of P.O. box to Sept., 1905, 4.00; Board of men, 44.40; telegrams, 2.80; fares of men, 22.00; freight charges, 6.32; J. Parsons, postage stamps, 22.00	181 52
Services at 1.50 per day:—	
P. Jardean, 3.50; R. McPherson, 3.50; E. Riley, 24.00; D. Andrews, 24.00; S. Dimmons, 24.00; T. Kelly, 7.50; T. Harp, 3.00; D. Kelly, 4.50	94 00
T McDonald, 2.00 per day, 32.00; D. McGraham, horse shoeing, 4.80	36 80
Jos. Derry, teaming, 10.00; J. W. Stone, repairing canoe, 7.00;	
Rat Portage Hardware Co., hardware, 11.80	28 80
Murphy Bros: Wood	10 00
W. Margach: Exploring north of Can. Pac. Railway: Accountable, 200.00;	
To pay. Services at 1.50 day. J. Basley, 18.00; D. L. Stewart, 12.00; T. Juno, 10.50; Geo. Carrier, 31.50; R. Rutherford, 27.00; J. G. Begg, 80.25; H. Linklater, 43.50; R. Stewart, 42.00; James Short, 37.50; Jas. Robinson, 43.50; P. Teahamy, 37.50; S. J. Maiss, 75.00; J. Richards, 141.00; H. S. Patterson, 81.00; Jos. Swain, 37.50; D. Sharpe, 37.50; T. McDonald, 4.00; J. Wood, 1.50; Big Bend, 1.50; W. Williams, 3.00	965 25
A. M. Preston: Tracing maps, 20.00; board of men, 409.50; disbursements, 16.16; do Fares of men, 34.35	480 01
Rat Portage Hardware Co'ys: Supplies, 5.30; J. G. Quinn, teaming, 5.00	10 30
Wm. Robinson, to pay:—	
F. Cochrane, supplies, 6.95; A. Leblanc, 3.85; D. Campbell, services 2.00 per day, 74.00; A. Leblanc, services, 14.00; Indian Guide, 18.00; A. H. Smith, canoe, 22.00; Express charges, etc., 16.50	155 30
S. M. Johnston, to pay:—	
J. A. Barr, post stamps, 18.00; postmaster, rent of box, 2.00; J. T. Wait, rent of office, 50.00	
James Ellis, wood, 5.00; W. Ruddy, wood, 5.50; J. Lamour, wood, 3.50; A. T. Budd, stationery, 10.70; J. D. O'Connell, cutting wood, 1.75; D. McCrea, cutting wood, 1.25	97 70

## FOREST RESERVES (\$10,249.66)

A. W. Wood, salary as guardian, 250.00; H. Munro, ranger, 100.00	350 00
F. H. Wensley: services as fire ranger at 2.00, 198.00; James Stalker, do., 194.00	392 00
L. Loughrin, services as chief fire ranger at 3.00, 606.00; do accountable, 50.00	656 00
do trav. expenses and disbursements	81 93
To pay wages, assistants fire Horse Island, 92.00; Temagami, 25.59	117 59
Rangers at \$2.00 per day:—	
Joseph Turner, 200.00; A. Paul, 92.00; C. Pettypiece, 60.00; T. Petrou, 264.00; accountable, 50.00	666 00
J. Friday, 264.00; F. W. Beer, 114.00; J. McLean, 240.00; Antoine Katt, 208.00; W Petra, 12.00	838 00
H. S. Southworth; services as ranger 2.50 per day, 360.00; allowance for board @ .50, 72.00	432 00
do Travelling expenses and disbursements, 45.12; to pay fire rangers @ 2.00 per day: John Sampson, 36.00	81 12
do To pay L. Laronde, 276.00; F. Resterre, 2.00; A. Luke, 2.00; S. Tenabes, 160.00	440 00

## CHARGES ON CROWN LANDS.—Continued.

## FOREST RESERVES.—Concluded.

H. S. Southworth: To pay J Moore, 130.00; C. Nephew, 94.00; for tools, etc., 17.50	241 50
Fire rangers @ 2.50 per day: W. N. Graham: services, 255.00; trav. expenses, 23.60	278 60
W. H. Dougherty: 117.50; trav. exps., 10.20; E. R. Riddle, 342.50; trav. exps., 21.55	491 75
F. H. Ward: 120.00; trav. exps., 5.10; K. G. Ross, 370.00; trav. exps., 18.35	513 45
A. T. Davidson, 327.50; trav. exps., 18.35; C. F. Earls, 247.50; trav. exps., 18.35;	
T. W. McLean, 237.50; trav. exps., 17.65	866 85
G. A. Davidson: 232.50; trav. expenses, 19.35; A. E. Robillard, 277.50; trav.	
expenses, 17.85; H. G. Allan, 330.00; trav. expenses, 26.20	903 40
J. Turner: 452.50; P. McGregor: 492.50; trav. expenses, 10.60; P. Young, 375.00;	
trav. expenses, 19.75	1,350 35
Israel Dent: 452.50; trav. expenses, 21.90	474 40
R. H. Smart: Hardware, tools, etc., 58.14; Rice Lewis & Son: hardware, etc., 25.85;	
J. Loughrin: pails, etc., 2.40	85 39
J Leckie: Water buckets, etc., 106.45; Noah Suave, 5 canoes, 200.00; Hudson	
Bay Co., canoe, 55.00	361 45
Hudson Bay Co.: Canoe, 38.00; tent, 7.00; canoe, 8.00; storage, 4.00; supplies, 52.54	109 54
W. H. Sparrow: Camp outfit, 28.00; Amer. Tent & Awning Co., campstove, 3.85;	
Canada Cycle & Motor Co.: gas lamp, 2.87	34 72
T Eaton Co.: tents, rope, flags, etc., 174.21; Boyd Calderwell & Co.: blankets, 164.00	338 21
D. O'Connor: tar, paper, cement, etc., 14.25; hire of steamer, 15.00; express on	
canoes, 5.90; fares of men, 32.60	68 35
H. G. Woods: rent of store, 6.00; J. G. Ramsay: photo supplies, 4.20	10 20
Col Portage Mission: Ojibway dictionaries, 6.00; Geological Survey: man of	
Nipissing, 4.80	10 81
Warwick Bros. & Rutter: printing, etc, 5.90; L. K. Cameron: stationery, 12.70;	
paper, 9.40	28 00
Dominion Exp. Co.: express charges, 26.66; Can. Exp. Co.; express charges, 40.00	27 06

## FEES RE SALE OF TIMBER BERTHS (\$4,879.59).

Peter Ryan: bal. services as auctioneer, 4,218.34; Copp, Clark Lithographing Co.:	
litho. maps of berths, 32.00; D. F. Tolchard, serving lunches, 47.50; Sundry	
newspapers: Advertising, 628.55	4,926 39
Less charged in error in 1903, now charged to colonization	46 80
	4,879 59

## FIRE RANGING (\$42,989.48).

Services at 3.00 per day:	
A. J. O'Neill, 468.00; Expenses, 4.40; P. McCogherty, 760.00	1,232 40
O. E. Telgman: (balance 1903), 68.00;	
do To pay F. B. Telgman, assistant, at 2.00, 290.00; Jas. Navelle, at	
2.00, 78.00; Thos. Frog, 8.00; John Kitchen, 3.00; Jas. Miller, 8.00; Trav. expenses	
and disbursements, 47.50; Provisions and groceries, 210.92	713 42
O. E. Telgman, at 3.00 per day, 363.00;	
do To pay A. McMillan, assistant, at 2.00 per day, 208.00; Jas. Ward, at	
2.00, 6.00; John Isaac, at 1.75, 94.50; A. Burgess, at 1.75, 101.50; Supplies, pro-	
visions, etc., 214.01; Travelling expenses and disbursements, 78.61	1,065 62
E. Reilly, at 2.50 per day, 130.00;	
do J. G. Begg, assistant, at 1.50, 31.50; H. S. Patterson, at 1.50, 46.50; Exps.	
and disbursements, 39.50	247 50
Services at 2.50 per day:	
N. A. King, 57.50; Exps., 8.20; A. Milne, Exps. (1903) 2.05;	
P. McLaren, 65.00; C. Young, 30.00; Exps., 11.00; J. McDonald, 320.00; Exps., 4.00;	
C. Lazenby, 297.50; Exps., 14.20; M. L. Cahill, 297.50; W. Ledgerwood, 362.50;	
M. Dwonskonki, 385.00; Exps., 11.00; Geo. Rancier, 380.00; W. Doherty, 282.50;	
Exps., 16.10; F. H. Wood, 250.00; Exps., 20.90; H. Logan, 445.00; Exps., 13.95; J.	
Gardiner, 235.00; Exps., 7.30	3,516 20



## CHARGES ON CROWN LANDS.—Continued.

## FIRE RANGING.—Continued.

## Services at 2.00 per day:

W. Burns, 104.00; J. P. Cosgrove, 58.00; D. Wilson, 20.00; J. Tyson, 46.00; J. Stewart, 131.00; J. Middleton, 118.00; J. F. Cleary, 131.00; D. Kelly, 122.00; J. Tough, 122.00; N. Thiverage, 122.00; A. Oulette, 122.00; F. Gould, Jr., 146.00; H. Lamathe, 131.00; D. Rainville, 131.00; A. Reither, 90.00; R. McClelland, 117.00; P. Foley, 104.00; J. Cochran, 132.00; J. Harkness, 131.00; J. Marshall, 38.00; L. Montruel, 131.00; John Findlay, 98.00; John Kelly, 133.00; T. Bromley, 74.00; W. Trainer, 57.00; P. Nolan, 131.00; J. Leckie, 131.00; P. McAndrew, 50.00; Alex. Macdonell, 136.00; J. Harvie, 130.00; F. Fisher, 34.00; Jas. Johnson, 97.00; D. McDougall, 21.00; W. Johnston, 131.00; L. Brennan, 92.00; W. J. Tubman, 105.00; T. F. Kingston, 131.00; C. Potter, 65.00; M. New, 100.00; Geo. Heise, 65.00; Trav. exps., 26.20; H. Anderson, 131.00; R. Brash, 131.00; M. McLean, 105.00; G. N. Wilkins, 131.00; M. Wheirton, 131.00; F. King, 64.00; P. O'Brien, 80.00; G. Favrean, 93.00; R. A. Mann, 74.00; A. McNeill, 127.00; L. P. Lidier, 48.00; A. McKay, 105.00; P. Boyer, 104.00; J. Malloy, 113.00; T. O'Neill, 112.00; T. Bromley, 79.00; Jos. Biggs, 108.00; Sam. Brannan, 101.00; Jno. Urquhart, 25.00; W. C. George, 48.00; P. Hurd, 94.00; H. E. Long, 118.00; S. Costello, 120.00; J. W. Hunt, 107.00; P. R. Christie, 97.00; E. Owens, 109.00; W. Bethune, 109.00; F. Larond, 123.00; R. McDermitt, 123.00; J. P. McKee, 120.00; J. Bonfield, 19.00; C. Raymond, 117.00; I. LaBrie, 117.00; J. P. Labrash, 128.00; A. D. McInnes, 105.00; W. Elliott, 118.00; A. D. Grozelle, 95.00; Geo. Wallace, 118.00; H. E. Shephard, 87.00; A. Latour, 131.00; R. Buchanan, 61.00; T. Perrault, 128.00; O. A. Long, 118.00; F. Cook, 100.00; J. F. Brown, 47.00; F. Tooke, 124.00; A. Henderson, 124.00; J. Eagleson, 131.00; W. McIntyre, 131.00; C. Collins, 64.00; T. Waters, 105.00; J. Dawkins, 120.00; J. Burns, 41.00; H. Cook, 105.00; J. Kirby, 27.00; M. Johnson, 110.00; R. McGarvey, 121.00; M. Lemyre, 50.00; A. McColl, 131.00; D. Mellroy, 120.00; M. James, 63.00; R. Kennedy, 67.00; J. Vandickie, 93.00; Jas. Gunn, 125.00; A. McMullén, 126.00; D. L. Callaghan, 117.00; J. Fraser, 69.00; J. B. Lalonde, 131.00; Ignace Dufoud, 102.00; A. McDermid, 108.00; D. Cartier, 110.00; J. Winters, 100.00; T. Tyson, 89.00; Geo. Cole, 125.00; N. Spreadboro, 125.00; S. Farrell, 111.00; D. McGuey, 131.00; J. Driver, 131.00; G. Anderson, 108.00; H. Caswell, 108.00; A. H. Hickson, 130.00; J. Alward, 90.00; W. Paul, 105.00; R. E. Savage, 125.00; S. Savage, 125.00; A. Spaniel, 123.00; B. E. Chamberlain, 131.00; W. Muir, 131.00; D. Jonasen, 131.00; J. Plannt, 127.00; T. Symms, 131.00; A. Gongeon, 131.00; P. Sandow, 131.00; M. Reynolds, 105.00; E. Barron, 131.00; A. Simpson, 105.00; D. Bethune, 105.00; J. H. Finlayson, 131.00; J. Reynolds, 105.00; R. Conway, 123.00; G. Shields, 105.00; D. McNab, 108.00; J. Montroy, 131.00; H. McPherson, 131.00; W. D. Rome, 131.00; J. H. Campbell, 131.00; P. Nolan, 131.00; J. M. Graham, 131.00; M. Lynch, 105.00; T. Irwin, 110.00; R. L. Macfarlane, 129.00; C. King, 127.00; W. F. Rath, 131.00; J. McCaffrey, 119.00; T. Carlin, 124.00; I. Scantlin, 118.00; H. Munro, 131.00; D. Lawson, 119.00; H. Thompson, 30.00; J. Cochrane, 105.00; J. Hamilton, 130.00; W. Body, 131.00; F. Columbus, 131.00; T. Grawberger, 131.00; E. B. Weart, 132.00; J. C. Henry, 86.00; D. McDonald, 104.00; P. Sheridan, 100.00; H. Dennison, 131.00; J. Culhane, 131.00; J. Kingston, 122.00; C. Everett, 131.00; J. Gauthier, 130.00; T. A. Millichamp, 79.00; O. LeBlanc, 131.00; C. O'Brien, 131.00; W. H. Burgess, 131.00; G. Archer, 131.00; J. Crombie, 131.00; T. Skuce, 131.00; T. Coghlan, 131.00; C. E. Brewer, 131.00; J. Oram, 131.00; E. Haley, 131.00; Geo. Turner, 112.00; F. Sicard, 131.00; J. McAdam, 128.00; C. E. Rawson, 63.00; R. McNaughton, 134.00; J. Dabe, 79.00; M. R. Page, 131.00; Jos. Smith, 131.00; J. Leahy, 131.00; Wm. May, 131.00; M. Nadeau, 98.00; W. A. Tulloch, 36.00; M. Gagnon, 131.00; O. Gauthier, 131.00; A. Gongeon, 75.00; J. Rawson, 120.00; E. D. Edwards, 142.00; G. M. Campbell, 118.00; T. Ousant, 102.00; J. H. Munroe, 131.00; R. Campbell, 112.00; W. J. Kirk, 131.00; Jos. Driver, 115.00; H. Christalaw, 120.00; G. F. Burns, 120.00; T. J. Doyle, 131.00; J. Cloutier, 131.00; O. Gurtin, 131.00; J. St. Laurent, 131.00; H. Massey, 105.00; M. F. Byke, 105.00; P. Tindeau, 131.00; T. B. Dunn, 105.00; F. Pelow, 131.00; W. H. McDermott, 108.00; J. Yeomans, 72.00; H. Campbell, 125.00; W. Thompson, 112.00; J. L. McDermott, 104.00; J. Boisvert, 102.00; F. Guiney, 98.00; O. Bellefeuille, 131.00; G. Campbell, 131.00; J. Armitage, 131.00; J. P. Cosgrave, 78.00; B. Larois, 131.00; J. Beaudry, 131.00; P. Mercier, 131.00; R. D. Thompson, 131.00; Geo. Page, 131.00; A. Garceau, 131.00; C. Lorenz, 131.00; S. Valin, 131.00; M. McDonald, 131.00; A. Harvie, 131.00; J. Hanrahan, 131.00; J. Wilson, 54.00; A. J. McDonald, 31.00; G. J. Moore, 131.00; J. Harkness, 131.00; L. Smith, 131.00; G. D. McLaren, 92.00; E. F. Tomlinson, 46.00; W. J. Martin, 42.00;



## CHARGES ON CROWN LANDS.—Continued.

## FIRE RANGING.—Concluded.

## Services at \$2.00 per day :

E. McFadden, 131.00; W. A. Lytle, 104.00; W. F. McDermott, 104.00; M. Hartley, 104.00;	
J. Cole, 31.00; J. C. MacCormick, 131.00; J. Campbell, 125.00; W. J. Armstrong, 125.00;	
S. Kennedy, 97.00; J. Tyson, 41.00; J. Cozens, 120.00; J. Cunningham, 131.00;	
A. Harvie, 95.00; W. Williams, 131.00; M. W. Linton, 131.00; R. Peters, 131.00;	
J. Griffin, 131.00; J. McPhee, 131.00; I. Chapert, 130.00; W. Parent, 130.00;	
N. Quesnelle, 105.00; T. Wattie, 79.00; F. Gould, Jr., 130.00; W. Trainer, 63.00;	
W. Farrell, 105.00; N. Austin, 114.00; J. McIntyre, 108.00; C. Austin, 66.00;	
D. McDonald, 131.00; W. Green, 105.00; W. H. Reamsbottom, 105.00; E. Payne, 84.00;	
E. Dillabough, 38.00; D. O'Hara, 78.00; A. P. Hillman, 109.00; A. Forde, 91.00;	
B. Pine, 131.00; T. Harper, 131.00; J. McIntyre, 130.00; P. D. Volkes, 131.00;	
J. Johnston, 101.00; H. B. Brown, 131.00; W. Stevenson, 126.00; M. Mulloy, 131.00;	
J. J. O'Connor, 131.00; M. Lamoff, 131.00; W. J. Law, 131.00; J. D. Grant, 131.00;	
H. McPhee, 131.00; C. McGhie, 131.00; J. S. Mories-Hoff, 105.00; S. Gagnon, 21.00;	
O. Gagnon, 36.00; J. McCreary, 131.00; H. Burke, 43.50	33,107 70

## Services at 1.50 per day :

A. Groulx, 98.25; B. C. Mason, 66.75; C. Peelar, 97.50; A. Rich, 71.55	334 05
--	--------

## Assistance extinguishing fires :

Hull Lumber Coy., 256.63; Algoma Commercial Coy., 51.56; McLachlan Bros., 1,094.31;	
J. R. Booth, 69.87; Doheny & Grant, 588.00; Doheny & Donovan, 104.13;	
Pembroke Lumber Coy., 106.75; Thos. Machie, 38.00; Holland & Graves, 180.50;	
Morgan Lumber Coy., 10.00; Mickle, Dymont & Son, 158.63; Gilmour & Coy., 7.50;	
A. Lumsden, 4.75; E. Benoit, 40.60; Brennen & Ryan, 10.50; S. Wallison, 35.25;	
A. R. McDonald, 156.27; Pitts & Chantler, 10.00; Rathbun & Coy., 22.68; Dickson &	
Coy., 160.38; Graham & Ferguson, 9.00; Loveland & Stone, 11.25; United Factories,	
10.50; D. O'Connor & Co., assistance extinguishing fires, Temagami water pails,	
8.50; Wages, 4.80; Meals, 2.10	3,162 46
Rainy River Navigation Coy.: Freight charges on canoe for W. Margach	2 80
H. Armstrong: Inspecting engines on T. N. O. Railway	15 00
F. H. Hopkins & Coy.: Railway velocipedes for use on T. N. O. Railway	145 00
McDonald & Hay: Oil for velocipedes	2 25

43,544 40

Less refunded by T. N. O. Railway, 428.92; Expenditure (1903) 126.00

554 92

42,989 48

## CULLERS' ACT (\$68.17).

## Services as Examiner:

W. Turnbull, 8.00; D. L. Mather, 4.00; J. Mulvihill, 8.00;	
Travelling expenses: J. B. McWilliams, 16.30; Geo. Sleeman, 16.00; S. M. Johnson:	
disbursements, 8.75; W. Turnbull: To pay for use of school, 2.00; Port Arthur	
Chronicle: Advertising, 5.12	68 17

## QUEBEC AGENCY (\$2,143.87).

Byron Nicholson: Twelve months' salary as Agent	1,500 00
T. Harvey: do Messenger	150 00
Byron Nicholson: Trav. expenses <i>re</i> inspection, 170.00; To pay disbursements, 29.82	199 82
Department Trade and Commerce: Rent of office, 125.00; W. J. & G. Mulroney: Post	
stamps and stationery, 30.97	155 97
Commercial Printing Co.: Printing and stationery, 10.75; Postmaster: Rent of box, 4.00	14 75
G. N. W. Tel. Co.: Telegrams, 1.52; C. P. R. Tel. Co.: Telegrams, 2.51	4 03
Globe Printing Co.: Sub., 4.00; Quebec Chronicle: Sub., 3.00; Boulanger & Marcotte:	
Dictionary, 4.00	11 00
Clement & Clement: Typewriter and supplies, 46.30; Dom. Express Co.: Charges, 1.25	47 55
W. Geroux: Supplies for cleaning, 1.25; W. Deegan: Cleaning offices, 17.00; H. J. Hay-	
den: Cleaning offices, 42.50	60 75

CHARGES ON CROWN LANDS.—Continued.

OTTAWA AGENCY (\$2,737.10).

E. J. Darby: Twelve months salary as Agent .....	1,250 00
S. C. Larose: do Clerk .....	900 00
Sun Life Assurance Coy.: Rent, 500.00; Postmaster: Rent of box and post stamps, 22.40	522 40
J. Hope & Son: Stationery, 43.65; Free Press: Printing and stationery, 3.00.....	46 65
E. R. McNeil: Copier, 10.00; E. J. Darby: Disbursements, 4.05; Globe Printing Coy.: Subscription, 4.00 .....	18 05

SURVEYS (\$101,299 50).

A. H. Macdougall: Balance Survey Township Innes.....	165 12		
D. J. Gillon .....	do do Richardson & Potts .....	232 25	
A. J. Loughheed .....	do do Torell .....	325 27	
do .....	do do Dewart .....	380 83	
Thos. Scanes.....	do do Auld .....	56 78	
Angus Smith .....	do do Burt .....	250 40	
do .....	do do Holmes .....	323 92	
A. J. Cameron .....	do do Walker .....	225 04	
E. Seager .....	do do Revell .....	551 04	
A. T. Ward .....	do do Hartman .....	815 53	
do .....	do do Britton & Rowell .....	1,426 94	
W. A. McLean .....	do do McCrae .....	38 15	
A. S. Code .....	do do Taylor .....	1,317 00	
do .....	do do Stock .....	1,319 80	
W. H. Fairchild .....	do do Matheson, Gowan, etc. ....	3,703 07	
J. S. Dobie .....	do do Worden .....	1,857 37	
G. L. Browne .....	do do Hoyle & Murphy .....	2,636 20	
T. J. Patton .....	Survey base & meridian lines Algoma .....	6,587 48	
Cavana & Watson .....	do Township.....	Tully and Preston.....	4,423 71
W. Galbraith .....	do do base & meridian lines Nipissing.....	5,644 39	
do .....	do on account Twp. Sheraton.....	2,000 00	
D. J. Gillon .....	do Township.....	Fleming, etc. ....	2,660 28
do .....	do Timber berths Rainy River District.....	2,043 40	
Alex. Niven .....	do Islands Temagami Lake.....	5,021 43	
T. B. Speight .....	do Township.....	McCann .....	2,527 02
do .....	do Meridian and Base line, Nipissing.....	3,300 00	
do .....	do on account Islands Lake Temagami.....	1,100 00	
W. J. Blair .....	do Township.....	Colemar .....	1,564 21
J. W. Fitzgerald .....	do do .....	Little and Mann.....	4,435 52
A. D. Griffin .....	do do .....	Dundonald.....	2,067 12
do .....	do do .....	McCart .....	2,062 89
Jas. Robertson .....	do do .....	Cook and Barnett.....	5,246 12
A. J. Cameron .....	do do .....	Clergue and Teefy.....	4,314 21
A. H. Macdougall .....	do do .....	Pearson.....	3,030 47
J. H. Shaw .....	do do .....	Bond, Eagan and Bowman ..	6,573 68
A. S. Code .....	do do .....	Carr .....	2,163 90
Jos. Cozens .....	do do .....	Knox and Richard.....	4,693 64
Thos. Scane .....	do do .....	Pense.....	2,223 54
J. S. Dobie .....	do do .....	Munro.....	2,082 69
do .....	do do .....	Beatty.....	2,292 66
Alex. Baird .....	do do .....	Calvert.....	3,335 76
E. Seager .....	do on acct. do .....	Mulock.....	500 00
do .....	do do do .....	Pettypiece.....	900 00
Extra allowance survey:—			
J. H. Shaw .....	do .....	Currie.....	168 18
A. J. Cameron .....	do .....	Walker.....	606 73
J. S. Dobie .....	do .....	Milligan.....	155 12
do	do Serv. at 7.00 per day, timber berths, 56.00; to pay Jos. Dobie, asst., 1.50, 12.00		68 00
do	do to pay Burton Bros., wages, at 2.00, 22.00; trav. expen. & disbursements, 20.10		42 10
T. B. Speight:	do Serv. sur. Long Pt., at 7.00, 42.00; to pay wages of asst., 18.00; trans., 30.00		90 00
J. F. Whitson: Expenses and disbursements survey vacant land, Fort Francis .....			86 25
do .....	do do timber berths, etc.....		219 81
do .....	do do pt. Twp. Craig & timber berth Dog Lake		100 93

## CHARGES ON CROWN LANDS.—Continued.

## SURVEYS—Concluded.

T. J. Patton: Services, 7.00 per day, timber berths, 112.00; to pay wages assts., 82.50 do Trav. expenses and disbursements, 84.26	278 76
J. B. Smith: Boxes for shipping iron posts, 5.40; Rice Lewis & Son: Iron posts, 222.50	227 90
Pay lists: Wages of men	836 89

## MINING DEVELOPMENT, RAT PORTAGE OFFICE (\$180.00).

S. S. Scovil: Rent of office	180 00
------------------------------	--------

## MINING INSPECTIONS AND EXPLORATIONS (\$14,263.45).

W. G. Miller: Twelve months salary as Provincial Geologist	3,600 00
A. P. Coleman: do Geologist and Mineralogist	500 00
Belleville Office:—	
A. G. Burrows: Twelve months salary as Assayer, 1,000.00:	
Assistants in Laboratory: G. H. Hambly @ 5.00 per week, 228.00:	
Wm. Embury @ 3.00 per week, 44.00:	
Apparatus, appliances and supplies for Laboratory:—	
Greenleaf & Son., 34.35; T. S. Carman, 21.35; Alex. Ray, 159.65;	
Wm. McGie, 41.03; Chemists & Surgeons Supply Co., 10.66; Eimer & Amend, 14.40;	
Wm. Hoskins & Co., 20.00; Baker & Co., 12.23; Belleville Pottery Co., 27.68;	
McIntosh Bros., .40; W. A. Lazier, 5.25; W. W. Chown, .74;	
Lyman Bros. & Co., 5.97; A. J. McCredan, .20:	
Belleville Gas Co.: gas, 66.60; Rathbun Co.: stove coal @ 7.00, 54.50;	
C. G. Leavens: Stove coal @ 6.75, 13.50; Belleville Water Works: water, 40.00:	
G. A. Burriss: Trav. exps. & disb. 8.05; W. A. Parks: Trav. exps. & disb., 36.75;	
Analysis Rock Sections, etc.: E. G. R. Ardagh, 40.00; G. Lamb, 14.50:	
C. P. Ry. Co.: Freight chgs., 2.37; Dom. Express Co.: Charges, 15.05:	
Can. Express Co.: Charges, 13.23; Collector Customs: Duty & brokerage, 4.20;	
Postmaster: Postage stamps and rent of box, 29.00; Mrs. Hart: Cleaning, 12.05:	
Cartage: T. Soul, 3.00; R. Stapley, 1.00; Sundry newspapers: Sub. 22.25;	
advertising, 208.80	2,255 16
Geological and Coal Explorations:—	
W. G. Miller: Trav. exps. & disb., 496.02; C. W. Knight: Svs. asst. @ 2.00, 280.00:	
R. A. Cartwright: Svs. asst. @ 2.00, 192.00:	
W. G. Miller: To pay: Hudsons' Bay Co.: supplies, 161.23;	
W. A. Parks: Supplies, 10.30; F. Cochrane: Supplies, 27.84:	
F. W. Micklethwaite: Photo sup., 1.58; Chandler & Massey: Slides, glasses, etc., .89:	
C. Potter: Compasses, 13.00; T. Eaton Co.: Tent, blankets, etc., 14.00:	
A. P. Coleman: Trav. exps. and disb. of self and party, 508.15:	
To pay: Wages of assts., 72.00; Supplies, provisions, etc., 88.85:	
E. S. Moore: Asst. @ 1.50, 126.00; W. T. Calhert: Svs. asst. @ 2.00, 202.00:	
J. G. McMillan: Services geologist re Abitibi region @ 100.00 per month, 500.00;	
Trav. expenses and disbursements, 155.85:	
To pay: O. Mondeaux: Asst. @ 50.00 per month, 200.00; S. Comego: @ 45.00, 90.00:	
A. Henderson: Svs. as agriculture expert @ 2.00, 302.00:	
J. H. Lang: Svs. asst. @ 40.00 per month, 54.00:	
Supplies: G. H. Lemon, 81.02; W. Galbraith, 9.40:	
J. G. Ramsey & Co.: Photo supplies, 32.40; T. Eaton Co.: Tents, etc., 28.10;	3,646 63
Dr. J. M. Bell: Svs. @ 150.00 per month, 755.00:	
To pay: Trav. exps. & disb. of self & party, 143.92; Simon Cass: Asst. @ 40.00 per month, 142.75:	
R. Miron @ 2.00 per day, 254.00	1,295 67
G. F. Kay: Writing report, 50.00; A. E. Gillman: Typewriting report, 19.50	69 50
J. Kiperack: Svs. asst. @ 45.00, 189.00; Rice Lewis & Sons: ammunitn. & tools, 6.88	195 88
Supplies: Hudsons Bay Co., 157.14; J. H. Shaw, 7.02:	
W. H. Plummer & Co., 34.03; Art Metropole, 9.15; W. H. Macdougall, 178.38	385 72
Topley Studio: Prints, etc., 40.82; F. C. Ohm's Sons: Preparing rock sections, 32.30	73 12
T. Eaton Co.: Tents, etc., 28.10; F. W. Micklethwaite: Photo materials, 10.30	38 40





## CHARGES ON CROWN LANDS.—Continued.

## IRON MINING FUND (\$25,000.00).

(R.S.O. 1897, Cap. 36).

Can. Iron Furnace Co.: Bounty on ore yielding 10,068.748 tons pig iron.....	9,427 60
Hamilton Iron & Steel Co.: do do 16,630.1720 do .....	15,572 40

## ALGONQUIN NATIONAL PARK (\$7,916.08).

G. W. Bartlett: Twelve month's salary as Superintendent.....	799 92
T. O'Leary: do Chief ranger.....	600 00
S. Waters: do Ranger.....	499 92
D. A. Ross: do do .....	499 92
J. Sawyer: do do .....	499 92
R. Balfour: do do .....	499 92
G. Godda: do do .....	499 92
D. Cadenhead: do do .....	499 92
J. O'Gorman: do do .....	499 92
D. M. Bell: do do .....	479 09
J. A. Armstrong: do do .....	499 92
M. B. Cox: do Housekeeper.....	593 30
T. Beaumont: Three do Teamster.....	105 00
G. S. Bartlett: One do .....	30 00
Thos. Lavoie: Three and one-half do .....	122 50
G. W. Bartlett, to pay expen. and disbursements, 44.65; telegrams, postage, etc., 12.96; freight and express charges, etc., 115.52; Rankin & Bevindge: Supplies, 1.33; T. Ruddy: Lumber, 3.00.....	177 46
Travelling expenses: D. A. Ross, 6.05; J. Cox, 7.00; D. C. Cadenhead, 7.50; Geo. Godda, 6.00; J. Sawyers, 4.80.....	31 35
Furnishings, supplies, etc.:	
Graves Bros., 7.25; Jas. Sawyer, 4.90; McKinley & Northwood, 7.00; Est. Jno. Smith, 4.50; Gurney Foundry Co., 1.16; Queen City Oil Co., 39.03; H. N. Bate & Sons, 21.80; W. A. Smith, 6.72; Butterworth & Co., 8.38; T. L. Main, 4.00; J. Mackenzie, 16.65; R. M. Scratch, 6.00; J. A. Jamieson, 2.20; S. McDougall, 3.00; Bryson, Graham Co., 49.71;	207 26
H. Brathwaite, 30; T. Eaton Co., 2.25; K. D. Graham, 22.41.....	128 49
Devine & McGarey: Hardware, tools, etc., 105.99; J. Oliver: Furniture, 22.50.....	70 20
J. Strang: Window shades, 61.00; W. C. Edwards & Co.: Window sash, 9.20.....	112 07
McClary Mfg. Co.: Ranges, stoves, etc., 80.37; White Bros.: Rifle, stove, etc., 31.70 Lumber, etc: Sheppard Lumber Co., 75.97; A. Barnett & Co., 177.93;	319 93
M. Brennan Sons & Co., 54.03; Buchanan Bros. Co., 12.00.....	6 53
Warwick Bros. & Rutter: Printing & binding, 2.53; Globe Ptg. Co.: Sub., 4.00	35 29
L. K. Cameron: Staty., 24.10; paper, 1.40; Can. Express Co.: Charges, 9.79..	32 31
G. T. Railway Co.: Freight charges, 3.26; Can. Atlantic Ry. Co.: Charges, 29.05	6 53
C. P. R. Tel. Co.: Telegrams, 1.53; H. Shields: Teaming, 5.00.....	190 54
Renfrew Milling Co.: Wheat, corn, bran, etc., 186.29; Steele, Briggs Seed Co.: Seed, 4.25	33 50
Jas. Cox: Turnips & carrots, 11.50; J. S. Bartlett: Harness, etc., 22.00.....	33 00
Jno. Wanless Co.: Bronze badges for rangers .....	2 45
J. A. Devenney, J.P.: Fees and expenses in absence of superintendent .....	

## RONDEAU PROVINCIAL PARK (\$2,260.10).

Isaac Gardiner: Twelve months' salary as Superintendent .....	450 00
H. Gardiner: do Assistant .....	324 96
Pay lists, wages of laborers, etc.....	37 13
J. Jacob: Papering, 30.00; J. F. Clark: Trav. expenses re estimate of timber, 43.65	73 65
Warwick Bros. & Rutter: Printing, 2.55; L. K. Cameron: Paper, .70 .....	3 25
Postmaster: Postage stamps, 5.00; C. P. R. Telegraph: Telegrams, 1.87 .....	6 87
L. E. & D. R. Ry. Co.: Freight charges, 1.15; Mich. Central Ry.: Freight charges, 8.80	9 95
Ridgetown Plaindealer: Advg., 6.10; Jno. Gosnell: Graveling road, 250.00..	256 10
Jno. Green: Graveling road, 65.26; W. D. Bates & Bro.: Repairing dock, 150.00..	215 26
J. J. Cookson: Cont. foundations under barn, 150.00; concrete walks, 25.00; laying floor, grading, etc., 16.00.....	191 00
L. Bennett: Gravel, 36.60; Hy. Smith: Trav. expenses, inspecting road & dock, 31.40..	67 40
W. H. Walters: Blacksmithing, 38.05; Can. Carbon Light Co.: Installing plant, 70.00; mantles, 3.00.....	111 05

CHARGES ON CROWN LANDS.—*Concluded.* REFUNDS.

Carpentering: S. Cattle, 10.90;	J. C. Lock, 3.40.....	14 30
Hardware: T. D. Bates, 9.92;	J. Lang, 58.74; W. B. Graham, 1.05.....	69 71
Wheat, corn, feed, etc.: Watt Bros. & Co., 110.30;	C. Hall, 15.00; P. Haggart, 1.18;	
M. Handy, 23.60; L. Bennett, 8.25;	W. R. Bell, 31.88; A. J. Morgan, 7.20;	
Can. Flour Mills Co., 26.61.....		224 02
P. D. McKellar: Registration fee, 1.55;	D. Green. V.S.: Attendance, 4.00.....	5 55
Asylum for Insane, London: Crates for shipping deer.....		5 00
Isaac Gardiner: Exchange on team horses, 90.00;	Wm. Gray & Sons Co.: Buggy, 75.00	165 00
S. Cattle: Repairing harness; 13.90;	robes, 16.00.....	29 90
Total Charges Crown Lands .....		\$286,844 69

REFUNDS

EDUCATION (\$1,306.48).

Superannuated Teachers Subscription:—

Jas. Johnston, 43.00; Am. French, 5.00; M. Kearney, 8.00; Est. J. T. Bowerman, 204.20;		
Estate J. Donovan, 244.12; Estate C. H. Peterson, 156.80; T. W. Shipman, 16.00;		
W. E. Grant, 19.00; D. A. Stewart, 22.00; Mrs. W. J. Carson, 269.36.....		987 48

Normal School Fees:—

Julia O'Connor, 5.00;	M. E. Galbraith, 5.00;	Susie G. Russell, 5.00;
Rosalie Badgely, 5.00;	R. E. Jamieson, 5.00;	Lizzie Winter, 5.00;
Ella E. Robson, 5.00;	Violet Lennox, 5.00;	E. M. Bolton, 10.00;
Florence L. Wilson, 5.00;	Maud A. Cooke, 10.00;	Agnes G. Douglas, 10.00;
Alice L. White, 5.00;	Mrs. D. Valton, 5.00;	Rebecca L. Smith, 10.00;
C. Argue, 10.00; Estate M. J. Bullock, 5.00;		Jessie T. Russill, 10.00;
M. Edith Watson, 5.00; J. J. Wetherall, 10.00;		Eloise T. Hamilton, 10.00;
Harriett J. Cook, 10.00; Agnes F. N. Rodgers, 10.00;		Agnes McGath, 10.00;
Kate McKay, 10.00; Elizabeth McKenzie, 10.00;		Grace B. Devereaux, 10.00;
Maggie E. Shannon, 5.00; Kathleen Bradley, 10.00;		Annie M. Lamont, 10.00;
Jessie A. Orr, 10.00; T. A. Weir, 10.00;		Bertha M. Hill, 10.00;
Nellie Mitchell, 10.00; J. Clark, 10.00; J. H. Stubbs, 5.00; Ira A. Cline, 5.00;		
Audrey Hutchinson, 5.00; Euphemia Allan, 5.00; Ada L. Wartmann, 5.00;		
Lillian King, 10.00.....		315 00

Examination Fees:—

Alex. Stephen, 3.00;	W. J. Sheridan, 1.00.....	4 00
----------------------	---------------------------	------

CROWN LANDS (\$14,601.89).

Refunds of lands and mining locations:—

John McMorrison, 29 in 4 Digby, 15.00; F. R. du Calland, 1 in 4, McKim, 156.00;

Colin Smith, 12, 13, 14 Con., D. Rama, 150.00;

P. Scully, E½ 20, 21 Con. 5, Blythfield, 20.00;

T. A. Wood, 9 in 5 Cowper, 30.00; S. Corrigan, Bawl's Island, 5.00;

Mrs. G. Bendreau, lot 277 Warra, 5.00; John Moffatt, 14 in 5 Cowper, 10.00;

C. P. Brown, SW ¼ section 30 Prince, 50.00;

T. J. Waters, 19 in 5, 8 in 6 and parts 7 to 12 in L. Barrie, 15.00;

A. C. Rolph, N½ 5, 6 Day, 30.00; J. Welch, 29-30 in 16 Carden, 100.00;

P. Judge, E½ lot 14 in 9, Bedford, 16.00; Jabez Goodman, 22-23 in 15 Carden, 100.00;

H. A. Callaghan, N½ 3 Con. 30, Armstrong, 5.00; S. W. Ray, A. L. 460.2, 500.00;

W. Sturgeon, W½ 5, 4 Widdifield, 40.00; J. Armstrong, pt. lot 2 in 2 Dymond, 18.00;

F. McCarthy, W½ of SW¼, section 8, Nelles, 40.00;

J. Pelangis, W½ 5 in 4 Widdifield, 40.00;

S. L. Thompson, W½ 10 E½ 11 5 Osborne, 5.00;

A. H. Henderson, S½ lot 12 in 6 Armstrong, 5.00;

M.E. Stewart, N½ 9 in 4 Armstrong, 5.00; A. J. Poynter, N½ 4 in 4, Armstrong, 5.00;

Ira Marks, N½ mg. loc. D 185, 42.50; F. W. Frame, W½ 18 in 6, Methuen, 135.00;

M. F. Halliday, 25 and 26 14 Effingham, 35.00; G. H. Gils, Island 40 St. Joseph's

REFUNDS.—*Continued.*CROWN LANDS.—*Continued.*

## Refunds on lands and mining locations:—

Channel, 20.00; B. Shaw, proposed ming. loc. in Thunder Bay, 5.00;  
W. Beatty, Three Sister Islands, Gananoque Lake, 5.00;  
T. W. Trotter, pt. lot 1 in 6 May, 4.11; T. W. Trotter, SE $\frac{1}{4}$  of N $\frac{1}{2}$  lot 2 in 6 May, 42.00,  
14. Kershaw, G 2, 50.00; K. Zahalan, N $\frac{1}{2}$  12 in 4, Marter, 5.00;  
M. Ferguson, Sr., 401 to 405 R. R. list, 336.00;  
J. W. Trout, S $\frac{1}{2}$  4 in 2, Plummer add bl, 140.00;  
M. McLean, 19 in 7, Dungannon, 49.50; D. McEachern, N 11 $\frac{1}{2}$  Sec. 36, Devine, 30.00;  
M. Curran, 3 in 16 Dungannon, 50.00; Geo. McKee, N $\frac{1}{2}$  8 in 5 Plummer, 157.50;  
T. R. Smart, lot 209 Wawa, 5.00; J. Bourke, WR 49, Nipissing, 10.00;  
J. T. Saunders, N $\frac{1}{2}$  2 in 1, Ingram, 5.00;  
Dentin, Dunn & Boulton, lots 20 & 21 in 16 and 20, 21, 22 in 17 Bonfield, 222.50;  
A. W. Thompson, pt. Reserve B in Port Arthur, 600.00;  
J. W. Bolger, N $\frac{1}{2}$  9 in 4 Casey, 40.00; H. D. Black, N $\frac{1}{2}$  12 in 5 Armstrong, 5.00;  
Carrie Davis, lots 17 & 18 Con. A. Tudor, 66.75;  
Clary & Buchanan, min'g loc. 397, 398, 297.00;  
Clary & Buchanan, min'g loc. 397-8-9, 640.00;  
Jas. O. Cameron, pt. lot, 28 Michipicoten Town site, 15.00;  
J. B. Spellman, NE $\frac{1}{4}$  lot 5 in 1 Shakespeare, 42.50;  
A. K. Fisk, 4 Islands in St. Joseph's Channel, 80.00;  
D. G. Greer, S $\frac{1}{2}$  lot 10 Con. 5 Brethour, 5.00;  
H. R. Spencer, 925, 928, Rainy River, 672.00; L. A. Dunlop, 401-3, 40.25;  
Omer Brown, Island 71, Rideau Lake, 40.00; A. H. Truax (29 in 9 McKenzie 3.00;  
J. Grenkie, 11, 8 Cardwell, 50.00; C. Marguardt, 20 & 21—10 & 11 Raglan, 50.00;  
Alex. Shaw, N $\frac{1}{2}$  6 in 5 Armstrong, 40.00;  
T. J. Harwood, land under water of Long Lake, 40.25;  
C. W. Hope, Sen., N $\frac{1}{2}$  3 in 1 Beauchamp, 4.75; S. Brickmann, W $\frac{1}{2}$  Sec. 9 Crozier, 110.00;  
S. Campbell, S $\frac{1}{2}$  1—1 Miscampbell, 22.50; A. G. Gallasch, 11 & 12, 68.00;  
P. Reilly, Island, Rideau Lake, 35.00; J. A. Doyle, N $\frac{1}{2}$  10 in 2 Garson, 320.00;  
Mulock & Roberts, L 58 & 447 P, 17.00; L. A. Dunlop, R.L. 401, 40.25;  
Holmes & Gregory, 78 & 79 in 5 & 78 & 9 in 6 Merritt, 179.53;  
Jos. Blakeney, N $\frac{1}{2}$  2 & 3 Beauchamp, 5.00;  
J. Gaudette, 3 & 4 Township Gaudette, 320.00; J. Gardner, Lot 57, R.R. Morley, 50.00;  
C. Thompson, pt. 6 & 7 in Rugby, 10.00; W. H. Graham, NE $\frac{1}{4}$  X5 Victoria, 71.50;  
Mrs. G. W. Johnson, S $\frac{1}{2}$  5 in 4 Buck, 45.00; Geo. Irwin, N pt. 9 in 1 Balfour, 100.00;  
E. Sweeney, 14 in 4 Darling, 100.00; R. A. Kennedy, lots in Wood township, 5.00;  
G. L. & R. H. Cockburn, Islands D. & E. L. Nipissing, 10.00;  
T. W. Trotter, NW $\frac{1}{4}$  of N $\frac{1}{2}$  5 in 1 Shakespeare, 38.63;  
J. B. O'Brian, lot 1 in 6 Hanmer and 7 in 3 Hatton, 105.00;  
D. M. McKay, S $\frac{1}{2}$  1 in 4 Tarbutton 12 cords wood cut, 32.96;  
G. W. Taylor, lot 1 E Bond St., Bobcaygeon, 20.00;  
Delamere Reesert Ross, pt. 12 in 13 Picton, 76.00;  
E. A. McLaren, 8 in 4 and 10 in 3 Dryden, 19.50;  
Jas. Dillon, E $\frac{1}{2}$  of W $\frac{1}{2}$  24 in 12 Bagot, 48.82; D. McCosh, S $\frac{1}{2}$  1 in 4 Ingram, 193.75;  
Geo. M. Smith, S $\frac{1}{2}$  8 in 3 Armstrong, 5.00; E. Clegg, N $\frac{1}{2}$  5 in 5 Bryce, 5.00;  
T. Davis, S.E. $\frac{1}{2}$  20 in 10, Pic, 39.25; Jno. Moury, N $\frac{1}{2}$  7—5 Brethour, 15.00;  
W. D. Gregory, 3 in 3 McGregory, 118.75; P. F. Ratchforde, 24 in 9 Ross, 179.20;  
F. H. Peever, 24 in 9 Ross, 89.60;  
G. L. Cockburn, Islands 203, 203a, L. Nipissing, 10.00;  
Geo. Morrison, min'g location W. D. 94-5-6 Nipissing, 25.00;  
J. D. Fleming, 9, 10, 11 in 2 Laxton, 194.75;  
Ed. Bartlett, S $\frac{1}{2}$  15 Con. 16 Carlaw min'g lease, 10.00;  
E. F. French, pt. 11 in 2 Melick, 40.00; S. W. Moyes, S $\frac{1}{2}$  12 in 6 Carpenter, 3.00;  
Geo. G. Hughes, S $\frac{1}{2}$ , SE $\frac{1}{4}$  sec. 23 Patullo, 20.00;  
Algoma Com'l Co., 4 in 3 Snider, 165.00; 7 in 3, 100.00; 6, 7 & 8 in 3, 37.00;  
do 4 in 4, 160.50; 5 & 6 in 4; 31.84; 6 & 7 in 4, 284.50;  
do 5 in 5 Graham, 243.75; 9, 10 in 5, 9.07; W $\frac{1}{2}$  5 in 6, 160.00;  
do 9 in 6 Graham, 280.45; 10 in 6 Waters, 288.75;  
T. S. Raymond, S $\frac{1}{2}$  11 in 4 Bryce, 5.00; M. J. Scott, Island, 13 Cobden, 30.00;  
Robt. Barton, lot 2 in 17 Gurd, 50.00; H. D. Graham, min'g loc. M.R. 25, 10.00;  
Jos. Larinieve, SW $\frac{1}{4}$  Sec. 22 Shedden, 5.00;  
Jos. Johnson, 3 in 4 Bright, 39.38; M. H. Wells, K.W., 731 min'g loc., 124.50;  
W. Robertson, 29 in 6, McKenzie, 5.00; C. M. Schutt, N $\frac{1}{2}$  1 in 2 Raglan, 25.00;

REFUNDS.—*Concluded.*CROWN LANDS.—*Concluded.*

Mrs. E. J. Annis, part lot Van Horne, 19.80; J. Ferguson, Hardy Island, 10.00; H. L. Davis, Iroquois Island, 5.00; Mary McArthur, Oneeshta Island, 5.00; J. W. Green, N $\frac{1}{2}$ 3 in 1 Firstbrook, 5.00; J. L. Green, S $\frac{1}{2}$ 3 in 2, Firstbrook, 5.00; A. McMillan, 21 in 5, Zealand, 12.05; R. Armstrong, 5 & 6 in 3 & 4 Chesley, 100.00; N. W. Conterier, 14 in 4 Loraine, 5.00; Mageau Score & Co., 19 in 21, Con. Hardy, 95.63; E. A. Cheney, 6 in 5 Gould, 46.87; Macdonald, Cartwright & Garvey, min'g location H. P. 626, 32.00; Est. Jas. Hammond, min'g loc. H. P. 623,624, 40.00; A. L. Russell, H.P. 626, min'g loc., 110.00; L. Arpin, min'g loc. H.W. 689, 163.00; C. W. Jarvis, min'g loc., H.W. 681, 11.70; Watson, Smoke & Smith, min'g loc. S.V., 446, 10.00; W. D. Gregory, min'g loc., W. D. 504, 5, 178.25; C. W. Nelson, min'g loc., E.S. 100, 13.00; H. W. Selby, min'g. loc., A.L. 512, 28.00; D. H. Beaton, min'g loc., L. 427, 35.00; C. B. Deloye, on John Island, 10.00.....	11,254 64
Timber Dues to Settlers: J. A. H. Alexander, 4.60; A. McReynolds, 7.79; Mary Boque, 4.68; Jane Dickson, 1.65; E. Corey, 7.04; T. Hart, 7.14; J. Hodgson, Sen., 3.56; J. Lonut, 9.19; H. Condie, 41.52; S. Fisher, 32.66; S. Blos, 23.95; F. H. Tudgeon, 7.52; A. Wernsche, 13.03; C. Shortack, 14.98; J. W. Peirce, 4.95; W. Schimlker, 7.27; T. B. Pulow, 1.63; R. H. Salmon, 456.65; S. T. Pereu, 19.51; S. I. Fereu, 25.97; Mrs. H. Scott, 14.53.....	679 82
J. McKim, trespass charges on pine on 12 in 12 Stisted, 11.28; Jos. Walsh, dues on pine opp lots 11 & 16 in 6 Hagerman, 13.00; Mrs. M. E. Allson, trespass dues NW $\frac{1}{4}$ sec. 7 Korah, 60.32.....	84 60
Cullers' Fees:—G. J. Thomas, 4.00; H. Prittie, cullers' exam'n fee, 4.00.....	8 00
Prospectors' Licenses:—Jas. Connors, 10.00; Thos. Drew, 40.00.....	50 00
Miners' Licenses:—C. V. Plummer, 20.00; Jos. Tassie, 10.00; C. M. D'Ysinger, 4.50....	34 50
Meldrum & Meldrum: Transfer fee Pt Balfour, 14.00; R. B. Gage: Overpaym't re mining claim, 9.00.....	23 00
Black Bay Mining Co.: Amt remaining on deposit, 400.50; A. L. Davis: Rental water power, Dryden, 5.00.....	405 50
L. M. Robinson: Amt. paid by J. B. Price for military section.....	15 00
On account road allowance, Treasurer Township of:— Abinger, 4.29; Ashby, 3.58; Angelsea, 92.74; Armour, 2.17; Anstruther, 168.75; Burleigh, 22.54; Barrie, 3.78; Brougham, 6.01; Burns, 36.97; Cardiff, 4.49; Cashel, 10.34; Clarendon, 2.63; Cardwell, 35.23; Cariow, 1.95; Cavendish, 32.13; Christie, 200.19; Carling, 8.93; Denbigh, 3.18; Dalhousie, 3.87; Darling, 1.09; Dungannon, 3.10; Draper, 3.19; Effingham, 25.94; Ferris, 170.56; Fraser, 4.71; Foley, 1.76; Galway, 51.42; Grimsthorp, 129.13; Glamorgan, 21.38; Griffith, 1.91; Hawey, 20.66; Humphrey, 12.03; Himsworth, N., 30.65; Hagerman, 132.51; Hirschell, 10.41; Joly, 9.46; Jones, 1.89; Lake, 4.81; Lawrence, 63.11; Lavant, 9.73; Monmouth, 12.86; Miller, 9.17; Mayo, 1.86; Matawachan, 7.70; Montegale, 7.50; Matchedash, 18.09; McDougall, 39.62; McKellar, 60.00; McLean, 13.64; McClintock, 56.27; Olden, 3.96; Oakley, 60.79; Palmerston, 1.90; Ryde, 3.53; Raglan, 3.58; Ridout, 96.44; Stisted, 1.00; Stanhope, 16.74; Tudor, 1.41; Wollaston, 2.98; Wood, 274.57.....	2,046 83
MUNICIPALITIES FUND (\$121.66).	
Mrs. V. Cronyn: Widow's pension re Clergy Reserves.....	121 66
LAND IMPROVEMENT FUND (\$2,311.53).	
Treasurer of Ontario: To pay Municipalities.....	2,311 53
MISCELLANEOUS (\$309.56).	
J. Luke & Sons: Two months' Brewers' License fee.....	41 66
D. B. Lepensier: Tavern license of premises destroyed by fire.....	39 40
Jno. Jennings: Estreated hail King vs. Broadhead, Lennox & Addington.....	95 00
R. T. McGirr: Tavern license premises destroyed by fire.....	50 17
Geo. Shoewith: Four mos. Brewers' License fee.....	83 33
Total Refunds.....	<u>18,651 17</u>



MISCELLANEOUS.

CHARGES ON REVENUE (\$15,822.19).

Licenses:—

Warwick Bros. & Rutter: Printing, 448.17;	Riordan Paper Mills: Paper, 11.89;	
Rolph Smith & Co.: Stamp'g, 10.00; L. K. Cameron: Station'y, 211.70; paper, 187.88;		
Mrs. Hubertus: Postage stamps, 325.00; J. F. Mowat: Trav. expenses, 175.00;		
J. Armstrong: Trav. expenses, 64.05; J. W. Gordon: 500.00; E. Saunders: 5.10;		
J. E. Rogers: do 80.00; S. C. McElwain: 50.00		2,068 79
Rev. Wm. Rochester: Grant to Min'l Assn., Rat Portage, enforcement liquor license Act		400 00
Muskoka License Assn.: Prosecution Indians re enforcement of act		121 51
E. L. Gosnell: Legal services, O'Brien vs Boon, enforcement liquor act		98 45
H. Totten: Salary as special officer, seven months, 1,200.00; arrears, 1903, 300.00		1,500 00

Succession Duty:—

Legal charges:

J. A. Allan, 17.00; A. C. Hardy, 55.60; W. M. McClemon, 4.36; R. Smith, 7.00;		
W. A. Lewis, 6.00; W. J. Evans, 515.73; G. S. Henderson, 329.02; Mabee & Makins, 26.26;		
J. P. Mabee, 3.00; McDonald Shepley & Co., 301.48; F. C. L. Jones, 81.75;		
W. H. Wardrop, 39.08; Alex. Stewart, 120.00; J. M. McEvoy, 23.85;		
McClement & Bicknell, 18.29; McLennan Cline Co., 54.66; R. R. Hall, 9.50;		
J. Idington, 19.50; Thompson, Tilley & Johnston, 15.00; Stratton Hall, 165.82;		
W. D. Card, 20.00; J. N. Fish, 5.00; J. K. Burgess, 9.62; J. Farley, 10.00;		
J. J. Smith, 72.20; McCarthy, Osler & Co., 25.00; F. E. Titus, 34.20;		
Collier & Benson, 15.16; J. Motz, 12.50; W. T. McMullen, 48.10; J. McD. Mowat, 25.58;		
A. F. Wilson, 51.90; W. S. Buell, 7.08; Dumble & Johnston, 75.00; Frank Ford, 237.40;		
Chisholm & Logie, 497.42		2,959 20

Fees as Valuator:—

C. McIntosh, 20.00; A. B. Lee, 25.00; J. Paton, 20.00; W. A. Cole, 75.00;		
F. H. Deacon, 100.00; W. A. Cole, 50.00; W. H. Wright, 13.04; J. A. Leach, 10.00;		
J. Wood, 200.00; J. Drynan, 50.00; J. A. Hall, 30.00; J. T. O'Connell, 75.00;		
T. McKee, 75.00; W. Aldridge, 75.00; W. Fair, 275.00; T. Gibson, 782.45;		
D. H. McLean, 200.00; Scellen & Weir, 13.00; Washington Beasley, 10.00;		
G. A. Dana, 122.00; J. N. McKendrick, 30.00; Geo. Cliff, 50.00; R. A. Campbell, 30.00;		
H. M. Wood, 70.25; F. H. Deacon, 145.00; J. W. Jones, 40.00; S. G. Reed, 40.00;		
F. R. Hutton, 100.00; H. S. Mara, 780.00		3,505 74
Barwick, Aylesworth, Wright & Moss: Costs re atty-gen. vs. C. W. Bingham estate,		
H. B. Payne, 150.00; Stewart vs. Walker, 1,250.00		1,400 00
James Smith: Sheriff services, 5.00; expenses, 1.30		6 30
Mutual Life Insurance Co.: Premium on policy A. M. McDougall, 211.55		
Mutual Reserve Insc. Co.: do do do 1,097.75		
Dominion Life Insc. Co.: do do do 475.00		1,784 30
British American Bank Note Co.: Printing law stamps		206 25
James McMahon: Twelve months' salary as law stamp distributor		2,200 00
M. Currie: Services, 17.00 per week, Algoma taxes		124 66
I. C. Fell & Co.: Auto tablets		385 20
J. E. Rogers: Expenses re circus licenses, 76.80; W. Greer: Exps re circus licenses, 107.55		184 35
W. C. Wells: Commission sale of angling permits, 9.50; Bank of Commerce, Chg.		
Coll. drainage, debentures, etc., 68.92		78 42

17,022 19

Less printing, stationery, post stamps, etc., re licenses 1,200 00

15,822 19

EXPENSES OF ELECTIONS AND ELECTION TRIALS (\$8,302.06).

Bye elections: Costs as returning officer:—

Renfrew: N. W. Moffatt, 573.97; Oxford, S.: James Brady, 838.09	1,412 06
Muskoka: Gazette Printing Co., advtg., 40.00; Standard Printing Co., advtg., 40.00	80 00

Election Trials:—

Bruce, Centre: C. V. Parke, sheriff Services & expenses	21 75
Hon. Justice Street do	20 00
Hon. Justice Moss do	20 00
C. S. Grant, registrar Travelling expenses	9 35
Algoma & Sault: W. H. Carney, sheriff Services & Expenses	98 00
Grey, North: R. Tyson, reporter do	22 90

## MISCELLANEOUS.—Continued.

## EXPENSES OF ELECTIONS AND ELECTION TRIALS.—Concluded.

Grey, North.....	Sheriff Moore .....	do ..	100 30
	Hon. Justice Moss .....	do ..	55 00
	C. S. Grant, registrar .....	Travelling expenses ..	29 27
	Hon. Justice Street .....	Services & expenses..	55 00
Lennox .....	M. J. Johnston, reporter (1902)..	do ..	34 75
Muskoka Soo, York N. & Norfolk .....	Hon. Chancellor Boyd .....	do ..	147 00
	Hon. Justice Teetzel .....	do ..	147 00
Muskoka .....	Sheriff Bridgland ..	Services & expenses..	224 35
	M. C. Cameron .....	Registrar.....	49 00
		do ..	28 75
Norfolk, North .....	M. C. Cameron ..	do ..	108 50
Nipissing .....	Hon. Judge Valin .....	Services & expenses..	15 50
Oxford, South .....	A. J. Henderson, reporter .....	do (1902)..	19 45
Perth, North .....	Sheriff Hossie ..	do ..	13 00
	Hon. Justice Street .....	Travelling expenses..	13 00
	Hon. Justice Moss .....	do ..	7 10
	C. S. Grant, registrar ..	do ..	9 10
Perth, North & York, North	J. E. Henderson, reporter....	Services & expenses..	35 45
Renfrew, North .....	M. F. Johnson, do .....	do ..	17 00
	Sheriff Mowat .....	do ..	47 00
	Hon. Justice Street .....	Travelling expenses ..	47 00
	Hon. Justice Moss .....	do ..	24 20
	J. S. Grant, reporter .....	do ..	103 35
Sault Ste. Marie .....	M. C. Cameron, registrar .....	Services & expenses..	10 00
	Hon. Justice Osler .....	Services ..	84 00
York, North .....	Sheriff Widdifield .....	Services & expenses..	31 85
	M. C. Cameron, registrar .....	do ..	708 40
Hamilton: Times Printing Co., advtg., (1898), 354.20; Hamilton Herald, 354.20.....			3,823 10
Kilgour Bros.: Stationery for Deputy Returning Omcers, 1905.....			300 00
Neil McDougall: Accountable, Port Arthur & Rainy River, 1905.....			212 00
James Robertson: Services sorting staty, etc., 106.00; J. H. Pegg: Sorting staty., 106.00			44 75
P. Quigley: Sorting stationery 4.00; Warwick Bros. & Rutter: Ptg., 40.75 .....			42 75
Riordan Paper Mills: Paper, 16.80; L. K. Cameron: Stationery, 18.15; paper, 7.80....			30 78
Dominion Express Co.: Charges, 19.48; Can. Express Co.: Charges, 9.90; D. Wright: Cartage, 1.40 .....			

## ONTARIO RIFLE ASSOCIATION.

Captain C. Harbottle: Legislative grant .....	1,000 00
---	----------

## ONTARIO ARTILLERY ASSOCIATION.

L. H. Irving: Legislative grant .....	500 00
---------------------------------------	--------

## CANADIAN MILITARY INSTITUTE.

Major D. Donald: Legislative grant.....	100 00
---	--------

## YORK PIONEERS.

E. M. Murphy: Legislative grant .....	200 00
---------------------------------------	--------

## MANHOOD SUFFRAGE REGISTRATION.

Judge Finkle: Services as chairman, Woodstock, 10.00; Can. Express Co.: Charges, 3.80	13 80
---	-------

## MISCELLANEOUS—Continued.

## VOTER'S LISTS (\$12,788.82).

## Services and Expenses:—

Algoma: Judge O'Connor, 6.50;	Algoma: Judge Johnston, 191.50;
do Sheriff Carney, 1,160.01;	Algoma: W. A. Quibel: Stipendiary Mag'e, 66.05;
Brant: Judge Hardy, 71.60;	Bruce: Judge Barrett, 176.14;
Carleton: Judge MacTavish, 13.85;	Carleton: Judge O'Meara, 10.20;
Dufferin: Judge McCarthy, 24.20;	Essex: Judge McHugh, 45.95;
Elgin: Judge Ermatinger, 76.00;	Essex, Judge Home, 60.70;
do Judge Coulter, 124.95;	Frontenac: Judge Rice, 115.35;
Grey: Judge Morrison, 104.05;	Haldimand: Judge Douglas, 125.57;
do Judge Halton, 80.60;	Halton: Judge Gorham, 46.15;
Hastings: Judge Fraleck, 398.90;	Huron: Judge Doyle, 166.60;
do Judge Lazier, 38.50;	Kent: Judge Bell, 143.95;
Lambton: Judge McWatt, 133.15;	Lanark: Judge Senkler, 79.90;
Leeds & Grenville: Jdge Reynolds, 117.95;	Lennox & Addington: Jdge Madden, 167.20;
do Judge McDonald, 31.53;	Lincoln: Judge Carman, 102.10;
Manitoulin: Judge McCallum, 223.75;	Middlesex: Judge E. Elliott, 108.50;
do Sheriff Jackson, 243.42;	Middlesex: Judge McBeth, 107.80;
Muskoka: Judge Mahaffey, 303.90;	Norfolk: Judge Robb, 130.65;
Nipissing: Sheriff Varin, 1,073.67;	Northumberland: Judge Kitchener, 80.22;
do Judge Valin, 178.80;	do Judge Benson, 112.90;
Ontario: Judge McIntyre, 102.00;	Oxford: Judge Pinkle, 282.89;
Port Arthur & Rainy River: Jdg Chapple, 418.56;	Parry Sound: Jdg McCurry, 138.97;
do do Judge Fitzgerald, 212.40;	do Sheriff Armstrong, 769.45;
do do Sheriff Thompson, 1,081.50;	Peel: Jdg McGibbon, 141.95;
do do Sheriff Humble, 914.88;	Perth: Judge Barron, 192.59;
Prescott & Russell: Judge Consantineau, 48.90;	Prince Edward: Judge Merrill, 51.40;
Renfrew: Judge Danohue, 199.80;	Peterboro: Judge Weller, 93.85;
Simcoe: Judge Ardagh, 235.95;	Stormont, Dundas & Glengarry: Judge Liddell, 147.80;
Victoria: Judge Harding, 80.75;	Waterloo: Judge Chisholm, 142.70;
do Judge Dean, 34.85;	Welland: Judge Wells, 358.90;
Wentworth: Judge Snider, 126.40;	Wellington: Judge Jamieson, 214.55;
York: Judge Morgan, 352.02	

12,788 82

## GRATUITIES (\$19,709.70).

Mrs. Jessie Gayfer Stewart: Gratuity late J. K. Stewart, Provincial License Inspector	2,000 00
Estate late J. B. Murphy: do Superintendent Brockville L. A.	1,900 00
Mrs. Mary Lumsden: do G. E. Lumsden, Asst. Provincial Secy.	2,500 00
Mrs. Emma J. Glen: do John Glen, tailor London L. A.	460 00
Mrs. Frank Halliday: do Frank Halliday, Crown Timber Agent.	800 00
Mrs. W. Wood: do Miss Jennie Wood, teacher M. S. Toronto	850 00
Mrs. J. Aldridge: do James Aldridge, shoemaker Mimico L. A.	175 00
Mrs. John O'Connor: do John O'Connor, Clerk of Works	136 00
Mrs. W. H. Muldrew: do W. H. Muldrew, Dean McDonald Institute	234 00
Arthur Gormley: Gratuity on retiring Messenger, Orillia A. F. M.	150 00
Thos. Fitzpatrick: do Attendant Reformatory for Boys	500 00
Thomas Harrison: do Engineer Blind Institute	600 00
James Gunn: do Stoker Orillia A. F. M.	200 00
Robert S. Stratton: do Chief carpenter Orillia A. F. M.	550 00
Peter Trowern: do Engineer Toronto L. A.	840 00
W. Tracy: do Bursar do	1,800 00
James Burrow: do Porter do	300 00
Peter Chambers: do Night watchman Mercer Refty.	550 00
J. R. Brown: do Factory Inspector	1,000 00
John Lillie: do Guard Central Prison	550 00
Rev. Stephen Card: do Protestant Chaplain Refty. for Boys	600 00
Mrs. Sarah Craig: do Matron Agricultural College	500 00
Jane M. Crooks: do Assistant Librarian Educational Dept.	550 00
Dr. T. F. Chamberlain: do Inspector of Prisons	1,500 00
Mrs. T. Halliday: Allowance for funeral expenses late F. Halliday, C. L. Agent	114 70
Misses C. E.: A. M. Baldwin and Mrs. D. M. Baldwin Cooke, additional allowance late C. J. Baldwin, re losses on raising and equipping regiment, rebellion 1837-8	350 00

## MISCELLANEOUS—Continued.

## DESTRUCTION OF WOLVES (\$3,839.00).

## Bounty:—

Antoine, Francois, 15.00;	Ahwonegezic, 15.00;	Ahlstron, N. E., 15.00;
Agawasige, Eli, 45.00;	Allen, A. L., 15.00;	Aquais, Louis, 15.00;
Armstrong, J. A., 45.00;	Balfour, Robert, 75.00;	Barrie, Ernest 15.00;
Bauville, Marcelle, 15.00;	Batis, M'icell, Jr., 30.00;	Beaver, Geo., 15.00;
Beaucage, Isaac, 15.00;	Beaucage, Louis, 30.00;	Beckett, Wm. J., 15.00;
Biggs, Jos., 15.00;	Bodreau, G., 15.00;	Bonhomme, L., 30.00;
Bole, John G., 15.00;	Boulian, P., 60.00;	Boudah, F., 5.00;
Brown, Thos. E., 30.00;	Busch, W., 30.00;	Neil Brunsel, 105.00;
Cadenhead, D. C., 30.00;	Candassi, Jacob, 15.00;	Cat, Michell, 15.00;
Cataford, Xavier, 90.00;	Commanda, Alex., 30.00;	Commanda, Barnabie, 30.00;
Costello, Thos., 15.00;	Cox, W. B., 15.00;	Clark, Jos. H., 15.00;
Creighton, A. M., 15.00;	Crerar, Walt., 15.00;	Currier, Jos., 15.00;
Cushok, 15.00;	Dent, Israel, 15.00;	Deevriver, Ben., 15.00;
Desmoulins, John, 30.00;	Didier, L. P., 135.00;	Dubreuil, Maxime, 15.00;
Dusia, Joe, 15.00;	Farteux, Jos., 15.00;	Felstead, Wm., 15.00;
Ferguson, Eli, 45.00;	Fisher, Thos., 30.00;	Godda, Geo., 15.00;
Golicoeur, Thos., 15.00;	Gregory, Thos., 45.00;	Gregory, Wm., 60.00;
Gutcher, Jas., 75.00;	Haskins, Jas., 15.00;	Holmes, Geo., 45.00;
Holmes, H. F. 15.00;	Howard, J. J., 15.00;	Jellett, J.F., 15.00;
Johnson, Gust., 15.00;	Kenny, Orville, 15.00;	King, Neil, 15.00;
Kirby, Sam, 15.00;	Kirkpatrick, J. T., 15.00;	Kipling, Edward, 60.00;
Kurineace, Asa, 15.00;	Lafrican, Stephen, 15.00;	Land, Moses, 90.00;
Land, Lazarus, 15.00;	Laundrie, Alex., 75.00;	Legris, Chas., 15.00;
Leroy, Simon, 15.00;	Littlefield, G. E., 15.00;	McCann, James, 60.00;
McDougall, Neil, 15.00;	McLeod, Angus, 15.00;	McMillan, Louis, 15.00;
McOuat, Jas. 15.00;	Mathers, Jas. J., 15.00;	Merner, Roland, 15.00;
Michel, Xavier, 30.00;	Miller, Wm., 15.00;	Morrison, Wm., 30.00;
Mowat, John, 15.00;	Neilson, Angus, 30.00;	Ne-can-e-ga-boo, 30.00;
Noganosh, Peter, 15.00;	Ogemakesigwoob, 15.00;	Olsen, Paul, 15.00;
Otto, Wm., 30.00;	Otto, W. H., 45.00;	Ottertail, John, 30.00;
Patoise, 60.00;	Penasse, Michael, 15.00;	Phillips, Geo. A., 30.00;
Pilon, Xavier, 15.00;	Powasin, 45.00;	Quick, Wm., 15.00;
Rainshaw, Dan., 15.00;	Robertson, John, Jr., 15.00;	Robertson, Jas., 15.00;
Ross, Finlay, 30.00;	Russell, Geo., 15.00;	Sabourin, Albert, 15.00;
Sanders, C., 15.00;	Sawyers, H., 15.00;	Sawyers, Nicholas, 15.00;
Sawyer, Ben., 15.00;	Sebequay, Robt., 15.00;	Sawyer, J., 45.00;
Shahboogesagooga, 30.00;	Spaniel, Alex., 15.00;	Shuniaehzic, 15.00;
Swan, Jos., 30.00;	Talouse, Chas., 15.00;	Sundberg, Nels., 60.00;
Tookenay, Paul, 30.00;	Touzel, T. J., 15.00;	Tenant, Wm., 15.00;
Tremayne, H. A., 30.00;	Treas. Co. Frontenac, 18.00;	Trainer, Wm., 15.00;
Treas. Peterboro, 6.00;	Treas. Renfrew, 138.00;	Treasure, D. B., 15.00;
Twine, Enos, 30.00;	Twine, Michell, 15.00;	Tuone, Andy, 15.00;
Vanchleaf, Sam., 15.00;	Wah-puh-ne-me-ke, 15.00;	Valentine, D. B., 15.00;
Waters, Stephen, 105.00;	Waters, Thos. F., 45.00;	Walker, Robt., 15.00;
Whitebear, Michell, 15.00;	Whiteduck, 15.00;	Weart, E. B., 30.00;
Williams, Philip J., 15.00;		Williams, W., 30.00;
Windigo, Chas., 15.00;	Witherup, Geo., 15.00	Wilson, Jos. H., 15.00;

3,839 00

## TELEPHONE SERVICE (\$4,532.51).

## Bell Telephone Co.: Rent of instruments:—

## Civil Government:—

Government House, 85.00;	Attorney General's Dept., 229.62;	Education Dept., 150.35;
Crown Lands Dept., 99.50;	Colonization and Forestry, 88.00;	Public Works Dept., 131.56;
Treasury Dept., 147.00;	Succession Duty office, 53.50;	Audit office, 45.00;
Secretary's Dept., 160.00;	License Branch, 45.00;	Registrar General's Branch, 45.00;
Public Institutions office, 75.00;	Labor Bureau, 25.00;	Fisheries, 100.00;
Game Inspection office, 50.00;	Agricultural Dept., 162.89;	Insurance, 63.50;
King's Printer's office, 63.50;	Children's Branch, 16.75;	Factories Act, 45.00

1,881 17

## Legislation:—

Speaker's office, 45.00;	Speaker's private office, 50.00;	Law Clerk's office, 45.00;
Leader of Opposition, 45.00;	messenger's room, 45.00;	press gallery, etc., 29.82;
housekeeper, 32.98		

292 80



MISCELLANEOUS—*Continued.*TELEPHONE SERVICE.—*Concluded.*

## Administration of Justice:—

Police office, N.F., 63.50; Police office, Windsor, 88.50; Police office, Sarnia, 29.00; Judges' chambers, Osg. Hall, 45.00; Registrar, High Court, 25.00; Secretary Law Society, 55.00; Inspector Div. Courts, 25.00 .....	331 00
---	--------

## Education:—

School of Science, 96.91; N. S. London, 103.50; N. S. Ottawa, 45.00; Ontario N. College, 25.00 .....	270 41
---	--------

## P. I. Mtce.:—

Toronto L. A., 26.00; London L. A., 103.50; Hamilton L. A., 52.00; Kingston L. A., 80.00; Mimico L. A., 118.50; Brockville L. A., 90.00; Cobourg, L. A., 61.75; Orillia A. F. M., 90.00; Central Prison, 104.50; Penetang, A., 90.27; Deaf and Dumb Inst., 99.50; Blind Inst., 71.46; Mercer Reformatory, 45.00 .....	1,032 48
---	----------

## Colonization and Immigration:—

Immigration Office, Union Depot .....	45 00
---------------------------------------	-------

## Agriculture:—

Registrar, Live Stock, 45.00 Superintendent Farmers Inst., etc., 103.50; Agricul. College, 235.50; Experimental Farm, 75.00; Eastern D. School, 27.00; Macdonald Institute, 39.50..	325 50
---	--------

## Repairs and Maintenance:—

Superintendent of Grounds, 25.00; Mechanical Superintendent, 45.00.....	70 00
---	-------

## Charges Crown Lands:—

Peterborough Agency, 30.00; Peterboro Wood Ranging Office, 29.15; Rat Portage Office, 25.00 .....	84 15
--	-------

## REMOVAL OF PATIENTS (\$5,617.40).

Philip Simser: Twelve months' salary as Bailiff .....	1,054 00
J. J. Ryan: Five and one-half months' salary as Bailiff .....	416 50
R. J. Kidd: Six and one-half do do .....	542 00
Mrs. I. J. Johnston: Twelve do do .....	704 00
E. Jenkinson: Services re collections from counties .....	100 00
Travelling expenses and disbursements: P. Simser, 1,405.00; J. J. Ryan, 333.30; Mrs. I. J. Johnston, 900.00 .....	2,638 30
Clothing, etc., for Bailiffs: John Macdonald & Co.: 44.00; J. W. T. Fairweather, 9.00; J. Smellie, 60.00; John Guinane, 12.00; F. Hall & Son, 1.00; Manes Tailoring Co., 15.00 .....	141 00
Grand Trunk Railway:—Fares transfer of patients: Toronto to Penetanguishene, 184.95; Brockville to Penetanguishene, 407.35 Mimico to Penetanguishene, 190.30; Hamilton to Penetanguishene, 234.00..	1,016 60
Golden's Livery: Cab hire re transfer of patients .....	4 00
Dr. Mitchell: Expenses re do .....	1 00

## ARBITRATION, CANADA AND QUEBEC (\$3,566.81).

E. Irving: Legal services re Common School Fund .....	300 00
Indian Treaty No. 3 .....	1,300 00
Interest on Trust Funds .....	350 00
Jones, Haycock & Co. claim against Dominion re Parl't Bldgs., Ottawa	300 00
Wyld & Osler: Legal services as Agents, Ottawa .....	19 19
J. R. Forsyth: Twelve months' salary as Clerk .....	1,200 00
do Travelling expenses, 55.60; To pay postage, car fare, etc., 10.25 .....	65 85
N. R. Butcher: Three patent covers, 3.00; Miss L. Angel: Copying documents, 20.32	23 32
Warwick Bros. & Rutter: Printing and binding .....	8 45

## FISHERIES (\$26,487.96)

## Services and Travelling Expenses as Overseer:—

Addington County .. .. . P. J. Wensley .. .. . Salary 25 00 Expenses 2 50	
H. Vanluven .. .. .	10 42
Jno. Wesley Stewart .. .. . do 14 08 do 12 30	
Algoma District .. .. . R. VanNorman .. .. . do 250 00 do 141 21	

MISCELLANEOUS—*Continued.*FISHERIES.—*Continued.*

Brant County	A. B. Mesecar	do	40 00	do	14 95
	Hy. Johnstone	do	150 00	do	28 50
Bruce	Jas. Stephens	do	50 00		
	Neil Stewart	do	100 00	do	24 40
	M. McAuley	do	100 00	do	25 40
	B. B. Miller	do	375 00	do	70 85
	A. Waddell	do	100 00	do	78 09
Carleton	E. T. Loveday	do	75 00	do	59 40
Carleton and Lanark	W. J. Welch	do	40 00	do	3 50
Dufferin	A. Hughson	do	20 00		
Durham	Frank Worden	do	25 00		
Durham & Northumberland	S. Freeman	do	75 00	do	12 66
Elgin	C. W. Wannacott	do	150 00	do	42 17
Essex	J. B. Cousineau	do	150 00	do	84 38
	Peter Lamarsh	do	600 00	do	28 82
Frontenac	Jno. L. Sears	do	25 00	do	15 00
	W. H. Goodwin & yacht	do	183 34		
	Wm. Craig	do	75 00	do	46 08
	J. D. Barstow	do	12 50		
	Geo. Clyde	do	50 00	do	26 86
	G. A. McGowan	do	12 50	do	12 23
	W. J. Donaldson	do	25 00	do	12
	Jno. Woodruff	do	25 00		
	Robert Flynn	do	50 00	do	65 37
Grenville	W. H. Shaver	do	41 20	do	11 35
Grenville, Carleton, etc	P. T. Smith	do	50 00	do	15 00
Grey	Jas. Meyers	do	40 00	do	11 50
	Patrick Howard	do	150 00	do	10 55
Georgian Bay	Wm. Pratt	do	500 00	do	116 59
Haldimand	John Farrell	do	100 00	do	81 00
	Arch. Cowper	do	150 00	do	13 92
Haliburton	Jas. Massales	do	37 50		
	Alonzo Rose	do	35 03	do	16 10
Halton	Wm. Sargent	do	100 00		
Howe Island	John Driscoll	do	75 00	do	4 65
Huron	Jas. Yates	do	150 00	do	9 55
Kent	J. K. Laird	do	150 00	do	60 97
	Jas. McRitchie	do	75 00	do	3 01
	John Crotty	do	75 00		
	J. E. Stephens	do	100 00	do	20 30
	Hy. Forbes	do	7 05		
Lambton	Jas. Steed	do	150 00	do	98 08
	Orlando Allen	do	150 00	do	201 95
Lanark	David Mair	do	40 00		
	T. B. Norris	do	40 00	do	2 00
	Wm. Gardiner	do	25 00		
Leeds	F. Williams	do	50 00	do	20 75
	O. V. Goulette	do	75 00	do	20 85
	J. R. Gibson	do	50 00	do	18 75
	J. B. Smith	do	75 00	do	16 00
	Geo. Bilton	do	50 00	do	1 50
	A. J. Flood	do	25 00	do	40
	C. O'Connor	do	25 00	do	46 85
Leeds, Grenville & Frontenac, etc	Hy. Mathen	do	199 98		
	Geo. M. Beecher	do	250 00		
	J. C. Judd	do	500 00	do	199 93
Lennox	Wm. D. Roblin	do	100 00	do	28 65
	J. D. Rennie	do	100 00		
Lincoln	Robt. Hadgraft	do	100 00	do	11 34
Manitoulin Island	Richard Oliver	do	300 00	do	161 50
	do do	do	Accountable	do	50 00
	S. R. McKewen	do	50 00		
	Thos. Norquay	do	35 00		

MISCELLANEOUS - *Continued.*FISHERIES. — *Continued.*

Middlesex	J. W. Gibson	do	25 00	Expenses	2 00
	A. Corsant	do	50 00	do	43 80
	Alex. Shaver	do		do	16 60
Maganetewan River, etc	John Free	do	25 00		
Michipicoten Island	H. Daveneau	do	25 00		
Muskoka	F. Brown	do	50 00		
	J. H. Wilmott	do	50 00	do	15 31
	H. Moore	do	50 00		
Muskoka & Parry Sound	Wm. Smith	do	100 00	do	2 35
Nipigon River & Lake	C. DeLaronde	do	248 50		
Nipissing	C. Armstrong	do	37 50		
	S. A. Huntington	do	100 00		
	H. M. Legault	do	100 00	do	35 66
	F. Baechler	do	25 00	do	6 95
Norfolk	Geo. D. McCall	do	250 00	do	66 50
Northumberland	F. Johnstone	do	81 25	do	19 21
	Alex. Skeene	do	81 25	do	39 50
	C. S. Gillespie	do	250 00	do	25 55
	E. Lynch	do	11 68		
Ontario	Jno. Steele	do	37 50	do	102 80
	J. Bowerman	do	75 00	do	33 85
	Jas. M. Willis	do	50 00	do	6 90
	Jos. Gerow	do	56 25	do	13 05
	A. O. Gerow	do	18 75		
Ontario & Victoria	M. Thwaite	do	600 00	do	147 81
Parry Sound	R. Menzies	do	75 00	do	7 05
	J. Paul	do	75 00		
	J. A. Johnston	do	200 00	do	9 25
Parry Sound and Nipissing	Geo. M. Bailey	do	25 00	o	
Peel	R. J. Walker	do	50 00	do	1 40
	A. A. Clunis	do	50 00	do	6 99
Peterboro'	John Brown	do	100 00	do	11 75
	P. W. C. Shewen	do	25 00		
	F. J. Moore	do	100 00	do	44 65
	Thos. Nicholls	do	100 00	do	14 75
	Jos. Yellands	do	200 00	do	80 95
	A. McIntyre	do	50 00	do	41 90
	John Dickson	do	95 00	do	13 40
Pelee Island	Wm. Stewart	do	100 00	do	12 73
'rescott	Isaac Blondin	do	50 00	do	8 32
Prescott, Russell, etc	H. Duchene	do	100 00	do	36 55
Prince Edward	M. Clark	do	200 00	do	249 80
Prince Edward & Hastings	J. K. McCargar	do	600 00	do	225 40
Rainy River	Alex. Guerard	do	200 00		
	John Perry	do	50 00		
	John Nash	do	300 00	do	5 50
Renfrew	Hy. Barr	do	400 00	do	29 15
	Chas. Taylor	do	50 00		
Simcoe	Felix Labatt	do	50 00		
	S. Payette (acting)	do	25 00	do	4 51
	D. McNabb	do	75 82	do	122 15
	D. A. McNiven	do	75 82	do	48 68
Thunder Bay	Wm. McKirdy	do	150 00		
	Jas. Whalen	do	50 00		
	Alex. McComber	do	400 00	do	6 50
Victoria	Nicholas Brady	do	75 00	do	135 56
	J. R. Graham	do	75 00	do	6 15
	Alex. Trotter	do	25 00	do	19 00
Welland	Jos. Ellis	do	75 00	do	81
Wellington	Colin Robertson	do	25 00	do	3 10
Wentworth	Chas. Ogg	do	100 00	do	51 30
Wolfe Island	D. Chattenach	do	100 00	do	8 75
York	F. Ferry	do	100 00	do	19 25
	W. R. Wood	do	150 00	do	45 30
	Ed. Charpantier	do	25 00		

MISCELLANEOUS—Continued.

FISHERIES.—Continued.

Services as Special Guardian:—

Rice Lake:	J. Whaley, 72.00;	T. Wallace, 15.00;	J. Young, Jr., 36.00;
Otanabee River:	J. D. Wedlock, 84.00;		G. A. Baker, 84.00;
Holland River:	C. H. Curtis, 90.00;	J. H. Rout, 90.00;	H. Graham, 70.50;
Buckhorn & Chemong Lakes:	S. Perdue, 25.00;	R. Cosgrave, 25.00;	J. H. Stabler, 25.00;
Lake Simcoe:	T. Adams, 18.00;	L. R. Jackson, 15.00;	
Simcoe, Couchiching and Sparrow Lakes:		A. Leatherdale, 34.50;	
Rainy River:	A. J. Hunter, 138.00;	Lake Scugog:	A. Harron, 43.75;
Balsam and Gull River:		W. Simpson, 20.00;	
Balsam and Cameron Lakes:		W. McIntosh, 25.00;	
Lake of Bays:	G. H. Waterhouse, 69.00;	Sydenham River:	S. M. Smith, 25.00;
Golden Lake:	G. Gaworeau, 25.00;	Kettle Point, Lake Huron:	J. W. Hamilton, 25.00;

Special Services re enforcement of Act:—

A. H. Clarke, 30.30;	A. Bartlett, 1.70;	A. Marter, 17.48;	W. Newman, 5.00;	1,054 75
L. S. Lewis, P.M., 13.00;	M. B. Tudhope, 15.00;	Geo. Clyde, 3.80;	H. O. Bowen, 178.18;	
J. W. Russell, 9.63				274 09

Steamer Gilphie:—

A. Macaulay:	Services as Captain at 70.00 per month, 568.28;	trav. exps., 3.00;	
Wm. Farr:	do Mate 50.00	do 200.65;	
Wm. Gidley:	do do 40.00	do 94.67;	
Geo. McAuley:	do Engineer 50.00	do 382.58;	do 3.00;
John Dion:	do Cook 40.00	do 311.83;	do 5.50;
John Matheson:	do Fireman 35.00	do 171.51;	
D. McKenzie:	do do 35.00	do 34.79;	
T. McCutcheon:	do Wheelsman 35.00	do 264.79;	do 3.90;
E. Wells:	do Boatman 35.00	do 187.98;	do 3.65;
W. McDonald:	do do 35.00	do 71.99;	
A. Macaulay:	Board of crew, 671.54;	sundry disbursements, 12.94;	
To pay:—	B. Limberner: Wash'g & clean'g, 10.76;	Mrs. Dault: Wash'g, etc., 32.35;	
	W. S. Smidt: Cushion, 27.75;	A. J. Ross: Furnishings, 208.15;	
	J. Jamieson: Uniforms for crew, 142.50;	A. Crawford: Uniforms for o'w, 22.00;	
	Supplies:—Owen Sound Iron Co., 10.60;	R. Manders & Co., 59.87;	
	J. Leckie, Ltd., 17.10;	H. A. Wilson Co., 1.00;	P. Payette & Co., 6.58;
	G. H. Wright, 21.50;	A. J. Ross, 1.61;	Alcock Leight & Westwood, 2.60;
	F. W. Jaffery, .93;	C. W. Fox, .50;	R. J. Harvey, .35;
	Christie Bros. Co., .36;		
Coal:—	C. Beck Mfg. Co., 20.38;	J. K. McLachlan, 81.50;	Midland Coal Dock Co., 460.20;
	Can. At. Ry., 23.50;	T. C. Sims, 10.00;	Davis Smith, Malone Co., 76.27;
Repairs:—	Wm. Kennedy & Son, 64.28;	H. E. Gidley & Co., 19.75;	
	R. Abbey: Care of steamer during winter, 20.00;	lumber, carpent'g, etc., 34.12;	
	Owen Sound Dry Dock Co.: Docking and repairing boat, 120.04;		
	Scottish Mutual Inse. Co.: Premium on policy, 62.50		4,551 65

Steamer Eva Belle:—

J. E. Roddick:	Services as Pilot at 1.50 per day, 321.00;	
P. L. Wing:	Services as Engineer at 1.50 per day, 318.00;	
W. C. Freenburg:	Lumber, etc., 18.78;	R. H. Smart: Supplies, 15.27
		673 05

Sailboat Maud:—

John Weeks:	Services assisting overseer Pratt at 35.00 per month, 253.75;	
Harold Weeks:	do do 1.00 per day, 45.00;	
C. A. Nettleton:	Charts, 4.50;	C. Beck Mfg. Co.: Supplies, 2.26;
G. H. Wright:	Supplies, 26.22	
		331 73
R. M. Oliver:	Services assisting overseer Oliver at 1.50 per day	253 75
C. Lowe:	Rent of boat, assisting overseer Oliver at .50 per day	90 00

Stocking Lakes:—

J. L. Helmer:	Live bass, 459.90;	A. J. Aker: Bass, 69.30;	Services assisting W. Elliot, 7.05
J. E. McRae:	Messenger service, 2.60;	S. Draper: Travelling expenses, 2.45;	
Magee Walton Ice Co:	Ice for car, 2.50;	American Tent & Awning Co.: Suppls., 1.05;	544 85
S. Lennox:	Hire of launch for overseer Beecher		100 00
John Carley:	Repairing gasoline launch, Lake Simcoe		5 00
W. McKirdy:	Bldng. dock at Lake Helen, 16.00;	H. A. E. Coe: Bdgs. for oversrs., 15.00	31 00
Catching pike Nepigon River:	F. Ledgard, 31.50;	M. Lavage, 76.50	108 00



MISCELLANEOUS.—Continued.

FISHERIES.—Concluded.

Warwick Bros. & Rutter: Printing, etc., 27.90; Ottawa Transfer Co.: Cartage, 1.20..	29 10
Grand Trunk Ry.: Freight charges, .50; Canadian Express Co.: Cartage, 5.35.....	5 85
Advertising: Globe Printing Co., 135.00; Ottawa Free Press, 42.60.....	177 60

COMMITTEE OF HOUSE FOR ART PURPOSES (\$2,185 00).

J. W. L. Forster: Portrait of Hon. John Sandfield Macdonald.....	500 00
do do Hon. G. W. Ross .....	500 00
do do Hon. Charles Clarke.....	150 00
do do Hon. Thos. Ballantyne.....	150 00
Mildred Peel: Portrait Hon. Mr. Balfour, 250.00; Hon. John Stevenson, 250.00.....	500 00
do Bust of Lieut. Governor, 125.00; Replica, Lieut. Governor, 50.00 .....	175 00
W. Thompson: Painting by Martin—"Muskoka Scene".....	175 00
Roberts & Son: Carbon—"The Laughing Cavalier".....	35 00

UNITED EMPIRE LOYALISTS (\$200 00).

N. M. Clarkson: Hon. Asst. Secretary, Legislative grant.....	200 00
--	--------

FORESTRY ASSOCIATION (\$300.00).

R. H. Campbell: Secretary, Legislative grant....	300 00
--	--------

..GAME PROTECTION (\$9,016.70).

J. H. Willmott.....Twelve months' salary as Warden.....	450 00
F. C. Quallins..... do .....	400 00
J. A. Gill..... do .....	350 00
H. K. Smith..... do .....	600 00
Montague A. A. Smith: Honorarium as Chairman Board of Commissioners, 1903....	100 00

Services as Deputy Warden:—

B. B. Miller, 225.00;	W. G. Armstrong, 150.00;	T. Nicholls, 100.00;	
T. Maloney, 100.00;	Alex. Commander, 214.00.....		789 00

Travelling expenses:—

E. Tinsley, 2.90;	J. E. Thompson, 40.95;	M. A. A. Smith, 10.00.....	53 85
-------------------	------------------------	----------------------------	-------

Travelling expenses and disbursements:—

F. C. Quallins, 380.80;	H. K. Smith, 468.28;	J. H. Willmott, 270.76;	
S. McIlwain, 7.35;	M. B. Wells, 24.85;	N. McDougall, 10.70;	
J. A. Gill, 19.95;	W. G. Armstrong, 50.20;	H. Graham, 44.00;	
B. B. Miller, 21.10;	W. Greer, 103.95;	J. E. Rogers, 42.00.....	1,443 94

Enforcement of Act:—

	Services.	Expenses.	Services.	Expenses.
J. A. Jenkins .....	3 00		Wm. Harris, Jr. ....	22 50 18 90
J. H. Brown .....	16 00	6 65	H. C. Wright .....	22 50
J. F. Russell .....	73 00	4 00	W. Kellen .....	37 50
H. Hales .....	6 00		N. Stromberg .....	50 00
S. A. Huntington .....	18 00	28 10	J. Travers .....	67 50
A. Murray .....		5 10	J. Weir .....	51 25
H. Graham .....	56 00		P. Munshaw .....	52 50
G. Logan .....	30 00	10 00	F. W. Lyons .....	31 60
J. Hazell .....	30 00		C. R. Fitch .....	57 50
R. Rush .....	55 50	6-90	T. Diamond .....	30 00
Isaac Blondin .....	62 00		R. H. Menzies .....	57 50
E. T. Loveday.....	207 25	30 00	J. R. Gibson .....	116 00 17 75
A. Greer .....	7 50	1 50	J. Hines .....	45 00
Jno. Falls .....	30 00	3 00	W. Unwin .....	30 00
D. L. Brown .....	40 00		H. H. Leavens .....	30 00
Alex Bartlett .....	6 30		J. D. Smith .....	52 50
A. H. Clarke .....	15 00		C F. Butler .....	55 00
Wm. Myles .....	95 00		T. H. Smith .....	65 00
J. R. Boate .....	15 00		D. Lawson .....	62 50
J. H. Reece .....	5 00		M. J. Cummings .....	50 00
Walter Smith .....	30 00		J. P. Labrash .....	55 00
Jas. Sharpe .....	15 64		F. W. Draycott .....	50 00

MISCELLANEOUS.—*Continued.*GAME PROTECTION—*Concluded.*

G. M. Armstrong	123 00	J. Coombs	60 00	
J. A. Dale	57 50	16 31	J. Wolsey	9 95
J. H. Brickwood	46 00	5 00	A. E. Brammar	47 50
Alex. Stewart	60 00		A. Rose	15 00
F. Taylor	52 50		J. Welch	25 00
Reid Gasoline Engine Co.: Launch for use of deputy wardens Hogg & Graham				2 50
Legal services <i>re</i> prosecutions:—				
T. E. Nelles, 5.00; W. H. McCulloch, 6.10; Wm. Fielding, 13.19				24 29
H. Taylor: Legal costs Hood vs. Taylor, 277.03				277 03
Services as Constable <i>re</i> prosecution:—				
J. J. Crown, 16.71; A. Master, 7.20				23 91
Geo. Angus: Thirteen months' services propagation of game				102 33
Genei DeGuardiner: Quail, 16.30; Dr. A. E. Malloch: Quail, 54.10				70 40
W. B. Wells: To pay express, telegrams, etc., <i>re</i> quail				56 32
Bank of Hamilton: Expenses <i>re</i> purchase of Capercaillie				1,383 77
S. Herring: Express charges, etc., on moose, 5.50; G. H. Bellairs: Moose antlers, 25.00				30 50
W. Corbett: Crates for deer, 2.00; Toronto Cold Storage Co.: Storage of game, 4.05				6 05
Chatham <i>Daily News</i> : Printing circulars, 6.50; Subscriptions: <i>Forest and Stream</i> , 32.00; <i>Am. Field Pubg. Co'y</i> , 4.00				42 50
Advertising:—				
Wyoming <i>Enterprise</i> , 9.00; <i>Globe Printing Co.</i> , 135.00; <i>Ottawa Free Press</i> , 42.60				186 60
H. B. Donley, 3.00; <i>Glencoe Transcript</i> , 3.00; <i>Merlin Mirror</i> , 4.00				10 00
Comber <i>Herald</i> , 1.50; <i>St. Catharines Star P'tg Co'y</i> , 4.80				6 30
Canadian Express: Charges, 16.65; <i>Dom'n Express</i> : Charges, 12.20				28 85
Bell Telephone Co'y: Messages, etc., 2.60; <i>Ottawa Cartage Co.</i> : Cartage, etc., 7.70				10 30

## STATUTE LATE SIR OLIVER MOWAT (\$2,500.00).

W. S. Allward: On account..... 2,500 00

## ARMY AND NAVY VETERANS (\$200.00).

H. P. Drayton, secretary Monument Committee: Grant..... 200 00

## SOUTH AFRICAN VETERANS (\$2,500.00).

Sidney H. Jones, sec'y South African Memorial Ass'n: On account grant..... 2,500 00

## R.M.C. RIFLE ASSOCIATION (\$100.00).

Col. Reade, Commandant: Grant..... 100 00

## INSURANCE (\$3,207.34).

Sundry Insurance Companies:—

Premium on policies: Eastern Dairy School, Kingston	75 00
do Osgoode Hall	1,260 90
do Dairy Buildings and contents, Guelph	131 44
do Farm Buildings, Guelph	150 00
do Macdonald Buildings, Guelph	725 00
do Macdonald Institute, furniture	15 00
do School Practical Science	850 00

## CANADIAN MINING INSTITUTE (\$300.00).

Canadian Mining Institute: Grant..... 300 00

## RAILWAY COMMISSION (\$2,655.68).

Judge Bell: On account services as Commissioner..... 500 00

Travelling expenses and disbursements:—

Prof. Adam Shortt, 139.00; Judge Bell, 70.00; H. J. Pettypiece, 215.00;	
A. E. Semple, 125.00	549 00
W. B. Wilkinson, Sec'y: To pay travelling expenses and disbursements of self and Committee	1,551 00

## MISCELLANEOUS.—Continued.

## RAILWAY COMMISSION.—Concluded.

Hyslop Bros., use of auto., commission inspecting Tp. Etobicoke re Toronto and Mimico application .....	3 00
Rolph & Clark, embossing and steel die, 15.25; L. K. Cameron, stationery, 26.95.....	42 20
Warwick Bros. & Rutter, binding, 2.00; G. N. W. Telegraph Co., telegrams, .28 .....	2 28
Can. Express Co., charges, 3.15; C. P. R. Telegraph Co.: telegrams, 5.05 .....	9 20

## GOOD ROADS (\$91,527 54).

§ Edw. VII. Cap. 32).

Treasurer: County Lanark, account grant, sec. 2 Highway Act.....	14,323 15
do Simcoe do do .....	26,023 65
do Wentworth do do .....	24,155 64
do Oxford do do .....	17,678 27
do Hastings do do .....	5,601 02
do Wellington do do .....	3,740 81

## PURCHASE TRINITY MEDICAL SCHOOL BUILDING (\$12,022 95).

Uzziel Ogden, M.D.: Purchase money.....	7,381 00
Canada Life Assurance Co.: Purchase money .....	4,619 00
Fred. J. Stewart: Sign boards, etc. 6.00; J. B. Baker: Boarding up windows, 14.80 ..	20 80
J. L. Capreol: To pay registration fees, mortgage, etc .....	2 15

## FIRE LOSS (\$7,922 84).

## Parliament Buildings:—

Honorarium re fire: S. Dunbar, 50.00; E. R. Lucas, 50.00 .....	100 00
John Jones: Services, 25.00; Toronto Fire Brigade: Allowance re fire, 200.00.....	225 00
J. J. O'Hearn: Painting and varnishing, 88.00; J. W. Kennedy: Plastering, 126.98 ..	214 98
Shipway Iron & Bell Works: Repairing iron column.....	3 00
Canada Foundry Co.: Panel for base of column.....	50 00
J. G. Gibson Marble & Granite Co.: Slate tread.....	20 00
J. B. Smith & Son, lumber and carpentering, 467.02; Repairing dado, 20.00.....	487 02
G. W. Franks: Articles destroyed, 5.00; Maud J. Foster: Articles destroyed, 6.10 ..	11 10
H. M. Kipp: Instrmnts. dstryd., telegraph office, 31.00; T. McClutchen: Cng., 22.00 ..	59 00
Warwick Bros. & Rutter Fire:—	
Buntin, Reid & Co.: Paper, 655.69; Riordan Paper Mills: Paper, 2,467.05.....	3,122 74
Davis & Henderson: Paper, 10.50; L. K. Cameron: Paper, 71.25; Stationary, 14.75 ..	96 48
Warwick Bros. & Rutter: Reports of miscellaneous printing destroyed while under way, 3,182.18; Printing and binding, 150.85.....	3,333 03
Barber & Ellis Co.: Envelopes, 25.00; Hart & Riddell: engraving die, 12.50.....	37 50
Rolph Clark Co.: engraving die, 15.00; Grip Limited, half tones, 65.13.....	80 13
Thomson Engraving Co.: Plates, engraving, etc., 57.07; Toronto Engraving Co.: zinc plates, etc., 24.04 .....	101 11
Littlejohn & Vaughan: zinc plates, etc.....	7 75

## INCIDENTALS (\$4,433.36).

## Premiums on Fidelity Bonds:—

Dominion of Canada Guarantee and Accident Co.: 420.19; Medland & Jones: 378.78; London Guarantee & Accident Co.: 1,263.94; Employers' Liability Ins. Co.: 991.50 ..	3,054 41
R. T. Massey: Fidelity bond, late Jas. Massey, registrar .....	12 00
Sundry persons: overpayment fidelity bonds.....	8 25
Mrs. M. T. Mooney: unexpired premium late W. Tracy, bursar .....	7 95
Sundry Insurance Companies:—	
Premium or policy: Central Prison, Toronto.....	609 65
do do Macdonald Institute .....	884 00
Secretary Eastern Good Roads Association, grant.....	260 00

MISCELLANEOUS.—*Concluded.*INCIDENTALS.—*Concluded.*

## Lake Tamagamie Survey:—

D. O'Connor: charter of steamer, 67.50;	wages of guides and men, 20 80;	
Doheny & Donovan: services of men re dam, 22.50;	dynamite, 38.00;	
use of tools, 6.05;	J. E. Rogers: travelling expenses re dam, 157.65;	
Wm. Teig: delivering message re dam, 20.00;	A. E. Trowse: to pay labor, 4.00;	
T. Petrant: labor, 16.00;	W. Petrant: labor, 4.00;	J. Methias: provisions and meals, 5.80;
J. Turner: board of men, 34.65;	provisions, 3.70;	
R. P. Fairbairn: travelling expenses, 43.00		
J. B. Smith & Sons: lumber re Homecomers.....		40 76
Engraving railway certificates: Rolph Smith & Co.: 33.00;	Rolph Clark Co.: 37.50....	70 50
Exportation Natural Gas:—		
Watson Smoke & Smith: legal services, 314.72;	Pennington & Brian, svcs. and expenses of plumber, 22.50 .. . . .	337 22
Eby Blain & Co.: interest on purchase money, holder for gas plant Kingston L. A.		152 00
Imperial Bank of Canada: commission on retiring annuities....		17 50
A. G. Browning: legal services, investigation re License Commissioners, Nipissing..		168 86
Richard Reynolds: claim for publishing list of unclaimed letters .....		258 37
Sundry persons: sundry expenses re postponed dinner to Lord Minto.....		25 45
Miller & Richard: addition to government stock of type R.S.O. ....		91 80
J. R. Forsyth: postage, car fares, etc., Niagara Falls Park Commission .. . . .		3 71
		<hr/>
		6,386 07
Less refunds: Fidelity Bonds .....		1,952 71
		<hr/>
		4,433 36
		<hr/>
Total miscellaneous .....		242,557 66

## RAILWAY SUBSIDY FUND.

(\$118,337.46).

(Authority for payment, 52 Vict., chap. 35, and 53  
Vict., chap. 46.)

## Port Arthur, Duluth

and Western Railway .. On account of grants in aid of line from Port  
Arthur to Western Provincial Boundary,  
85.54 miles.

Payment due 1st January, 1904.. . . .	5,596 80
do 1st July, 1904 .. . . .	5,596 80

---

11,193 60(Authority for payment, 53 Vict. chap. 46, 56  
Vict. chap. 34, 57 Vict. chap. 49, 58 Vict. chap.  
36, 52 Vict. chap. 35, 59 Vict. chap. 48 and 60  
Vict. chap. 40.)

## Ottawa, Arnprior and

Parry Sound Railway.. On account of grants in aid of line from Egan-  
ville to Scotia, 146.1 miles and 3.33 miles at  
Depot Bay.

Payment due 1st January, 1904.. . . .	10,221 15
do 1st July, 1904 .. . . .	10,221 15

---

20,442 30(Authority for payment, 52 Vict. chap. 35, and  
53 Vict. chap. 46.)

## Parry Sound Coloniza-

tion Railway .. On account of grants in aid of line from Scotia  
to Depot Bay, 47.75 miles.

Payment due 1st January, 1904.. . . .	3,340 59
do 1st July, 1904 .. . . .	3,340 59

---

6,681 18



RAILWAY SUBSIDY FUND.—*Continued.*(Authority for payment, 52 Vict. chap. 35, and  
46 Vict. Chap. 34.)

Irondale, Bancroft and Ottawa Railway .....	On account of grants in aid of line from Iron- dale easterly, 35 miles.		
	Payment due 1st January, 1904.. . . . .	3,132 12	
	do 1st July, 1904 .. . . . .	3,132 12	
		<hr/>	6,264 24

(Authority for payment, 58 Vict. chap. 36, and  
(56 Vict. Chap. 34.)

Tillsonburg, Lake Erie and Pacific Railway ..	On account of grants in aid of the line from Tillsonburg to Port Burwell, 15.846 miles, and connecting Grand Trunk and Michigan Central Railways at Tillsonburg, 3.262 miles— 19.108 miles		
	Payment due 1st January, 1904.. . . . .	891 19	
	do 1st July, 1904 .. . . . .	891 19	
		<hr/>	1,782 38
R. V. Whelan, 500.00.....			29,518 94

(Authority for payment, 59 Vict. chap. 48.)

Ontario, Belmont and Northern Railway ..	On account of grant in aid of line extending from Junction with Central Ontario Railway, 9.57 miles.		
	Payment due 1st January, 1904 .. . . . .	446 57	
	do 1st July, 1904 .. . . . .	446 57	
		<hr/>	893 14

(Authority for payment, 60 Vict. chap. 40.)

Montreal and Ottawa Railway .. . . . .	On account of grant in aid of line from the Boundary line between the Provinces of Ontario and Quebec, extending westerly 50 miles.		
	Payment due 1st January, 1904 .. . . . .	25,017 70	
	do 1st July, 1904 .. . . . .	2,332 00	
		<hr/>	4,664 00

(Authority for payment, 50 Vict. chap. 48, and  
61 Vict. chap. 22.)

Pembroke Southern Ry ..	On account of grants in aid of line from Golden Lake, northerly 18½ miles.		
	Payment due 1st January, 1904 .. . . . .	1,294 26	
	do 1st July, 1904 .. . . . .	1,294 26	
		<hr/>	2,588 52

(Authority for payment, 57 Vict. chap. 49, 58  
Vict. chap. 36, 62 Vict. chap. 23.)

Ontario and Rainy River Railway .. . . .	On account of grants in aid of line extending westerly from the junction with the Port Arthur, Duluth and Western Railway, 40.32 miles.		
	Payment due 1st January, 1904 .. . . . .	25,017 70	
	do 1st July, 1904 .. . . . .	25,017 70	
		<hr/>	50,035 40

(Authority for payment, 62 Vict. chap. 23.)

Central Ontario Ry .....	On account of grant in aid of line from Village of Ormsby, 21 miles.		
	Payment due 1st January, 1904 .. . . . .	1,469 18	
	do 1st July, 1904 .. . . . .	1,469 18	
		<hr/>	2,938 36

RAILWAY SUBSIDY FUND.—*Concluded.*

(Authority for payment, 61 Vict. chap. 22.)

Ottawa & New York Railway Co. . . . .	International Railway Bridge.		
	Payment due 1st January, 1904 . . . . .	816 22	
	do 1st July, 1904 . . . . .	516 22	
		1,632 44	1,632 44

(Authority for payment, 63 Vict. chap 29.)

Dominion Bridge Co. . . . .	Interprovincial Bridge.		
	Payment due 1st January, 1904 . . . . .	1,166 05	
	do 1st July, 1904 . . . . .	1,166 05	
		2,332 10	2,332 10

(Authority for payment, 1 and 2 Edw. VII. c. 22 and 25.)

Bruce Mines and Algoma Railway . . . . .	Payment due January 1st, 1904 . . . . .	1,144 57	
	do July 1st, 1904 . . . . .	1,144 57	
	Cash payment . . . . .	1,920 00	
		4,209 14	4,209 14

(Authority for payment, 2 Edw. VII. c. 25.)

James Bay Railway . . . . .	Payment due January, 1904 . . . . .	345 15	
do . . . . .	do July 1st, 1904 . . . . .	345 15	
		690 30	690 30

(Authority for payment, 2 Edw. VII. c. 25.)

Bay of Quinte Railway..	Payment due July 1st, 1904.. . . . .		1,990 36
-------------------------	--------------------------------------	--	----------

ANNUITIES (\$102,900.00).

Treasurer, Ontario . . . . .	To pay annuity certificate due June 30th, 1904	\$51,450 00	
do . . . . .	do do due December 31st,		
	1904 . . . . .	51,450 00	
		102,900 00	102,900 00

COMMON SCHOOL FUND (\$78,740.76)

Dominion Government, amount accountable by Ontario re Common School lands during year ended December, 1905.....	7,944 99
Dominion Government, collections from Common School lands, by Ontario, 1898-9....	70,795 77

DRAINAGE DEBENTURES, MUNICIPAL (\$13,238.53).

Treasurer Township Dunwick: Debentures issued by the municipality for the construction of drainage works.....	3,481 42
Treasurer Township Douro: Debentures issued by the municipality for the construction of drainage works.. . . .	3,377 85
Treasurer Township Keppel: Debentures issued by the municipality for the construction of drainage works . . . . .	2,276 00
Treasurer Township Zorra W.: Debentures issued by the municipality for the construction of drainage works . . . . .	2,653 31
Treasurer Township Zorra E.: Debentures issued by the municipality for the construction of drainage works . . . . .	1,549 95

## TILE DRAINAGE (\$900.00).

Treasurer Township Camden: Debentures issued by municipality for the construction of tile drainage works .....	300 00
Treasurer Township Dawn: Debentures issued by municipality for the construction of tile drainage works .....	500 00
Treasurer Township Ekfrid: Debentures issued by municipality for the construction of tile drainage works .....	100 00

## STATIONERY OFFICE.

Excess of purchases over distribution .....	26 93
Total expenditure .....	\$5,267,453 C2

C. H. SPROULE,

Provincial Auditor.

Provincial Auditor's Office,  
Toronto, March 9th, 1905.





Insurance Branch—salaries.....	6,550 00	6,550 00	.....	.....
do expenses.....	2,600 00	2,553 17	.....	46 83
Neglected Children's Branch—salaries.....	3,550 00	4,300 00	.....	750 00
do —expenses.....	3,350 00	2,439 36	.....	910 64
Miscellaneous:—				
Official Gazette.....	5,000 00	3,088 22	.....	1,911 78
King's Printer.....	4,350 00	4,350 00	.....	.....
do ..... salaries.....	100 00	242 54	.....	142 54
do ..... expenses.....	2,250 00	2,250 00	.....	.....
Inspector of Registry Officers.....	2,700 00	3,217 68	.....	517 68
Municipal Auditor.....	1,200 00	1,200 00	.....	.....
Special Clerk, &c.....				
Total Civil Government.....	346,880 00	344,006 28	.....	10,056 52
Legislation.....				
Salaries.....	20,350 00	20,233 33	.....	116 67
Sessional Writers, Clerks of Committees &c.....	11,200 00	12,700 90	.....	1,500 90
Postage and cost of House Post Office.....	1,800 00	2,312 00	.....	512 00
Stationery, ptg. and bdg. and distribut'g Statutes.....	42,000 00	50,334 59	.....	8,334 59
Library.....	3,000 00	3,587 60	.....	587 60
Indemnity to Members.....	103,000 00	100,920 00	.....	2,080 00
Expenses.....	8,000 00	9,922 72	.....	1,922 72
Total Legislation.....	189,350 00	200,011 14	.....	2,196 67
Administration of Justice.....				
Supreme Court.....	35,825 00	37,024 43	.....	1,199 43
Appeal Court.....	3,500 00	3,788 38	.....	288 38
High Court.....	3,000 00	2,782 09	.....	217 91
Central Office.....	17,318 00	13,955 19	.....	3,362 81
Registrar's Office.....	9,200 00	9,954 84	.....	754 84
Weekly Court.....	1,900 00	1,709 70	.....	190 30
Surrogate Court.....	3,275 00	3,434 71	.....	159 71
Surrogate Judges and Local Masters.....	29,301 00	28,516 72	.....	784 28
Inspection of Division Courts.....	5,050 00	6,079 07	.....	429 07
Deputy Clerks of the Crown.....	17,550 00	16,650 00	.....	900 00
Deputy Clerks of the Crown as Local Registrars.....	6,875 00	6,821 05	.....	53 95
Land Titles Office.....	6,450 00	5,858 08	.....	591 92
Local Masters of Titles.....	5,748 29	4,745 68	.....	802 61
Drainage Trials Act.....	5,000 00	5,227 60	.....	227 60
District Algonia.....	21,100 00	22,240 71	.....	1,140 71
do Thunder Bay.....	14,350 00	15,158 48	.....	808 48
do Rainy River.....	13,800 00	14,196 90	.....	396 90
do Nipissing.....	17,900 00	21,241 54	.....	3,341 54
do Muskoka.....	8,950 00	7,538 89	.....	1,411 11
do Parry Sound.....	9,050 00	12,216 18	.....	3,166 18
Provisional County of Haliburton.....	1,650 00	1,450 00	.....	200 00
Total Administration of Justice.....	189,350 00	200,011 14	.....	2,196 67
Total Public Accounts.....				10,661 14

No. 18.—STATEMENT OF EXPENDITURE by the Treasurer of Ontario, etc.—Continued.

SERVICE.	SUB-SERVICE.		Appropriation.		Expended.		Unexpended.		Over-expended.		Overdrafts of Appropriations.	
			£	c.	£	c.	£	c.	£	c.		
Administration of Justice.....												
	District of Manitoulin.....		6,800	00	6,816	83				16	83	
	Provincial Police.....		11,500	00	11,252	06		247	94			
	Crown Counsel Prosecutions.....		8,000	00	6,345	75		1,654	25			
	Administration of Criminal Justice.....		170,000	00	172,097	76				2,097	76	
	Inspection of Legal Offices.....		3,900	00	3,869	33		30	67			
	Criminal Investigations.....		4,685	00	5,405	00				750	00	
	Special Services.....		2,000	00	550	00		1,450	00			
	Sheriffs' Fees.....		7,725	00	10,989	92				3,264	92	
	Seals and other Contingencies.....		300	00	151	12		148	88			
	Constitutional Questions.....		5,000	00	1,200	91		3,799	09			
	Grouped Counties.....		1,200	00	827	10		372	90			
	Ditches and Watercourses Act.....		500	00				500	00			
	Shorthand Reporters.....		11,300	00	11,300	00						
	Circuit and County Judges' Library.....		1,200	00	1,200	00						
	Weekly Court, London and Ottawa.....		100	00				100	00			
	Osgoode Hall, Maintenance.....		11,750	00	9,864	65		1,885	35			
	Total Administration of Justice.....		483,122	29	482,460	67		18,703	97		18,042	35
Education.....												
	Public and Separate Schools.....		243,033	44	242,802	69		230	75			
	Poor and District.....		60,000	00	62,460	38				2,460	38	
	Kindergarten.....		3,250	00	3,018	64		231	36			
	Night Schools.....		250	00	171	00		79	00			
	Instruction in Agriculture in grouped Rural Schools.....		2,000	00	364	55		1,635	45			
	Continuation Classes.....		20,000	00	18,367	47		1,632	53			
	Model Schools.....		10,000	00	10,299	81				299	81	
	French-English Training Schools.....		800	00	800	00						
	Teachers' Associations.....		3,000	00	2,664	45		335	55			
	Inspection of Schools.....		64,750	00	69,595	94				4,845	94	
	Departmental Examinations.....		29,450	00	28,618	26		831	74			
	Normal and Model Schools, Toronto, salaries.....		25,585	00	25,752	64				157	64	
	do do expenses.....		2,410	00	3,018	50				68	50	
	do do salaries.....		22,410	00	22,001	82		108	18			
	do do expenses.....		2,950	00	2,631	45		318	55			
	do do maintenance.....		7,700	00	6,650	90		1,049	10			
	do do salaries.....		8,500	00	8,500	00						

do do expenses ..	3,600 00	3,094 78	505 22	
do do maintenance {	3,700 00	2,554 87	1,145 13	
High Schools and Collegiate Institutes. ....	116,800 00	115,719 40	1,080 60	
Ontario Normal College. ....	13,200 00	12,577 90	622 10	
Departmental Library and Museum, salaries ..	4,300 00	4,457 00	157 00	8 13
do do expenses {	5,650 00	5,501 13	148 87	
School Practical Science, salaries ..	34,660 00	32,255 94	2,404 06	
do do expenses {	6,000 00	6,042 04	42 04	
do do maintenance. ....	6,175 00	6,321 31	146 31	
Public Libraries. ....	57,050 00	35,268 42	21,781 58	
Art Schools, Examinations, etc. ....	3,600 00	3,355 96	244 04	
Literary and Scientific. ....	1,800 00	1,700 00	100 00	
Historical Societies. ....	25,000 00	19,527 16	5,472 84	
Technical Education. ....	133,880 98	111,422 86	22,458 12	
Provincial University and Mining Schools	8,650 00	9,512 13	862 13	862 13
Maintenance Education Department .....	4,837 81	4,917 63	79 82	79 82
Miscellaneous. ....	63,300 00	64,259 75	959 75	959 75
Superannuated Teachers. ....				
Total Education .....	1,002,142 23	949,806 78	62,414 77	10,079 32
Asylum for Insane, Toronto .....	112,987 00	112,700 85	286 15	
do do London. ....	141,104 00	137,755 18	3,318 82	
do do Kingston. ....	88,361 00	88,357 89	3 11	
do do Hamilton. ....	131,018 00	131,195 05	177 05	
do do Mimico. ....	79,806 00	83,156 79	3,350 79	3,350 79
do do Brockville. ....	88,571 00	93,953 83	5,382 83	5,382 83
Asylum for Females, Cobourg. ....	27,211 00	23,572 74	3,638 26	
do do Idlots, Orillia. ....	77,432 00	72,927 40	4,504 60	
Central Prison, Toronto .....	66,000 00	64,496 47	1,503 53	
Reformatory for Boys .....	38,250 00	11,164 84	10,034 92	
Asylum for Insane, Penetang } .....	17,050 24	50,085 40	523 60	
Deaf and Dumb Institution. ....	50,609 00	50,085 40	523 60	
Blind Institution. ....	34,624 00	32,537 92	2,086 08	
Mercer Reformatory. ....	31,475 00	31,449 44	25 56	
Relieving Officer. ....	1,000 00	1,000 00	1,000 00	
Total Public Institutions Maintenance. ....	968,448 00	950,434 04	26,924 63	8,910 67
Colonization. ....	14,500 00	7,234 31	7,265 69	
Immigration .....	4,825 00	12,655 63	7,830 63	
Colonization and Immigration. ....	19,325 00	19,889 94	7,265 69	564 94

† See Vote 1,000.00 Relieving Officer.

No. 18.—STATEMENT OF EXPENDITURE by the Treasurer of Ontario, etc.—Continued.

SERVICE.	SUB-SERVICE.	Appropriation.	Expended.	Unexpended	Over-expended.	Overdrafts of appropriations.	
Agriculture .....	District Societies .....	79,110 00	76,071 34	3,038 66			
	Grants to Associations .....	42,900 00	30,333 85	12,566 15			
	Farmers' Institutes .....	16,500 00	17,190 34		690 34		
	Incidentals .....	39,200 00	58,752 33		19,552 33		
	Sugar Beet Industry .....		71,715 99		*	71,715 99	
	San Jose Scale .....	8,000 00	3,680 86	4,309 14			
	Experimental Fruit Stations and Institutes .....	4,100 00	4,281 23		181 23		
	Eastern Dairy School .....	12,250 00	12,802 35		552 35		
	Pioneer Dairy Farm .....	2,000 00	2,081 81		81 81		
	Western Dairy School .....	3,400 00	3,442 98		42 98		
	Bureau of Industries .....	5,985 00	2,804 49				
	Cold Storage .....	2,500 00	450 00		3,180 51		
	Ontario Agricultural College and Maintenance ..	86,577 00	84,486 34		2,050 00		
	Experimental Farm and Feeding .....	17,233 00	17,342 55		2,090 66		
	Field Experiments .....	9,695 00	9,419 54		275 46		
	Experimental Dairy .....	13,725 00	14,310 74		585 74		
	Central Dairy School .....	10,124 00	10,398 26		274 26		
	Poultry Department .....	2,410 00	2,403 04		6 96		
	Horticultural Department .....	6,747 00	6,777 33			30 33	
	Mechanical Department .....	900 00	901 05			1 05	
	Macdonald Institute and Hall .....	12,000 00	16,824 80			4,824 80	
		Total Agriculture. *1 Edw. VII. Cap. 44, s. 11	375,356 00	446,481 22	27,517 54	98,642 76	
	Hospitals and Charities.....	Grants .....	237,576 81	228,024 37	9,552 44		
Children's Aid Societies .....		2,000 00	3,994 78		1,994 78		
Sanitary Investigations.....		10,600 00	4,573 60	6,026 40			
	Total Hospitals and Charities .....	250,176 81	236,592 75	15,578 84	1,994 78		
Repairs and Maintenance.....	Government House.....	16,300 00	15,039 99	1,260 01			
	Parliament Buildings.....	47,120 00	49,953 72		2,833 72		
	Attorney-General's Department.....	700 00	617 88	82 12			
	Crown Lands Department .....	5,200 00	3,469 36	1,730 64			
	Public Works Department .....	700 00	678 42	21 58			
	Treasury Department.....	700 00	437 26	262 74			
	Provincial Secretary's Department .....	1,125 00	764 32	360 68			



	700 00	875 93	3,717 77	175 93
Department of Agriculture .....		71,836 88		
Total Repairs and Maintenance .....	72,545 00		3,717 77	3,009 65
Parliament Buildings.....	4,600 00	2,475 05	2,124 95	
Asylum for Insane, Toronto .....	5,750 00	2,510 53	3,239 47	
do Inspector .....	4,675 00	5,064 27		389 27
do Mimico .....	3,750 00	2,186 02	1,563 98	
do do Inspector .....	1,800 00	3,103 39		1,303 39
do London .....	20,400 00	19,632 18	767 82	
do do Inspector .....	11,305 00	2,610 20	8,694 80	
do Hamilton .....	12,350 00	4,799 19	7,550 81	
do do Inspector .....	10,200 00	5,107 31	5,092 69	
do Kingston .....	8,875 00	10,464 34		1,589 31
do do Inspector .....	2,615 00	2,342 82	272 18	
do Brockville.....	6,320 00	5,351 10	968 90	
do do Inspector .....	2,715 00	2,547 87	167 13	
do Cobourg .....	10,700 00	4,750 00	5,950 00	
do do Inspector .....	200 00		200 00	
do Idiots, Orillia.....	15,550 00	7,098 02	8,451 98	
do do Inspector .....	5,400 00	4,112 45	1,287 55	
Central Prison, Toronto.....	10,250 00	6,905 91	3,344 09	
Hospital for Epileptics, Oxford.....	62,500 00	50,805 37	11,694 63	
Reformatory for Females, Toronto .....	1,200 00	1,259 73		59 73
do do Inspector .....	7,090 00	7,038 08	51 92	
do do do Inspector .....	4,450 00	4,992 39		542 39
Deaf and Dumb Institution, Belleville.....	2,775 00	1,977 53	797 47	
do do Inspector .....	2,710 00	3,346 94		636 94
Blind Institution, Brantford .....	2,300 00	1,559 94	740 06	
do do Inspector .....	18,650 00	40,725 14		22,075 14
Penetang Asylum .....	15,825 00	12,272 15	3,552 85	
Normal and Model Schools, Toronto .....	4,470 00	3,782 74	687 26	
do do .....	300 00	90 00	210 00	
do do do .....	144,100 00	144,466 20		366 20
do do do .....	31,697 00	31,959 46		262 46
do do do .....	7,000 00	7,012 35		12 35
do do do .....	9,000 00	8,910 94		
do do do .....	7,106 00	6,354 92	89 06	
do Thunder Bay .....	4,200 00	2,281 69	1,918 31	
do Muskoka .....	1,900 00	582 85	1,317 15	
do do Parry Sound .....	1,100 00	246 21	853 79	
do do Nipissing .....	3,800 00	2,812 31	987 69	
do do Ranny River .....	4,100 00	2,295 45	1,804 55	
Total Public Buildings.....	473,728 00	425,833 04	75,132 17	27,237 21

1,317 16

7 81

22,075 14

366 20

262 46

12 35



Lockmaster's Salaries.....	5,700 00	5,251 16	448 84	
Maintenance Locks, Dams, etc. ....	11,000 00	10,296 72	703 28	
Total Public Works.....	128,650 00	102,282 34	30,429 65	4,052 99
Colonization and Mining Roads.....	169,650 00	175,620 74		5,970 74
Charges Crown Lands.....	200 00	200 00		
Board of Surveyors.....	26,000 00	35,486 90		9,486 90
Agents' Salaries, etc.....	4,218 34	4,879 59		661 25
Balance of fees <i>re</i> Sale of Timber Berths.....	28,000 00	33,341 00		5,341 00
Forest Ranging.....	21,000 00	10,219 66	10,750 34	
Forest Reserve.....	45,000 00	42,989 48	2,010 52	
Fire Ranging.....	200 00	68 17	131 83	
Culter's Act.....	2,000 00		3,000 00	
Export Saw Logs and Pulp Wood.....	2,075 00	2,143 87		68 87
Quebec Agency.....	2,800 00	2,737 10	62 90	
Ottawa Agency.....	114,550 00	101,299 50	13,250 50	
Surveys.....	1,200 00	180 00	1,020 00	
Rat Portage Office.....	14,400 00	14,263 45	136 55	
Inspections, Explorations, &c.....	1,200 00	1,316 57		116 57
Summer Mining Schools.....	500 00		500 00	
Mineral Collections.....	6,000 00	2,513 22	3,486 78	
Diamond Drills.....		25,000 00		* 25,000 00
Iron Mining Act, R.S.O. 197—Chap 36.....	7,800 00	7,916 08		116 08
Algonquin Park.....	3,300 00	2,260 10	1,039 90	
Rondeau Park.....				
Total Charges Crown Lands.....	280,443 34	286,844 69	34,389 32	40,730 67
Refunds.....	1,000 00	1,306 48		306 48
Education.....	18,500 00	14,601 89	3,898 11	
Crown Lands.....	243 32	121 66	121 66	
Municipalities Fund.....	2,311 58	2,311 58		
Land Improvement Fund.....		309 56		309 56
Miscellaneous.....				
Total Refunds.....	22,054 90	18,653 17	4,019 77	616 04
Miscellaneous.....	9,600 00	15,822 19		6,222 19
Charges on Revenue.....	10,000 00	8,302 06	1,697 94	
Expenses of Election Trials.....	1,000 00	1,000 00		
Ontario Rifle Association.....	500 00	500 00		
Ontario Artillery Association.....	100 00	100 00		
Canadian Military Institute.....	200 00	200 00		
York Pioneers.....	1,000 00	13 80	986 20	
Manhood Suffrage Registration.....	2,500 00	12,788 82		10,288 82
Voter's List.....				

No. 18.—STATEMENT OF EXPENDITURE by the Treasurer of Ontario, etc.—Continued.

SERVICE.	SUB-SERVICE.		Appropriation.		Expended.		Unexpended.		Over-expended.		Overdrafts of appropriation.
			\$	c.	\$	c.	\$	c.	\$	c.	
Miscellaneous.....			19,950	00	19,709	70	240	30			
		Gratuities.....	4,000	00	4,532	51			532	51	
		Telephone Services.....	7,000	00	6,617	40	382	60			
		Removal of Patients.....	5,000	00	3,566	81	1,433	19			
		Arbitration, Canada and Quebec.....	2,000	00	3,839	00			1,839	00	
		Destruction of Wolves.....	26,500	00	26,487	96	12	04			
		Fisheries.....	1,400	00	2,185	00			785	00	
		Committee of House, for Art Purposes.....	200	00	200	00					
		United Empire Loyalists.....	300	00	300	00					
		Forestry Association.....	7,400	00	9,016	70			1,616	70	
		Game Protection Act.....	5,000	00	2,500	00	2,500	00			
		Statute late Sir Oliver Mowat.....	2,800	00	3,207	34			407	34	
		Insurance, School of Science and Osgoode Hall.....	5,000	00	2,500	00	2,500	00			
		Memorial, South African Veterans.....	200	00	200	00					
		Army and Navy Veterans.....	100	00	100	00					
		R. M. C. Rifle Association.....	300	00	300	00					
		Canadian Mining Institute.....	3,000	00	2,655	68	344	32			
		Railway Commission.....	6,200	00	7,928	84			1,728	84	
		Fire Loss.....	12,000	00	91,527	54			† 91,527	54	
		Good Roads, 1 Edw. VII, Cap 32.....	50,000	00	12,022	95			22	95	
		Trinity Medical Building.....			4,433	36	45,566	64			
		Incidentals.....									
		Total Miscellaneous.....	183,250	00	242,557	66	55,663	23	114,970	89	
		Total Supply Bill.....	4,965,121	57	4,953,309	34	374,001	54	362,189	31	
		Railway Subsidy Fund.....			118,337	46					
		Annuities.....			102,900	00					
		Common School Fund.....			78,740	76					
		Drainage Debentures, Municipal.....			13,238	53					
		do Title.....			900	00					
		Stationery Purchased.....			20,760	72					
		do Distributed.....			20,733	79					
		Grand totals Expenditure and Overdrafts.....			5,267,453	02					54,291 81

\*R.S.O. 1897, Cap. 36, Sec. 11, 12.

PROVINCIAL AUDITOR'S OFFICE,  
TORONTO, May 9th 1905.

C. H. SPROULE,  
Provincial Auditor.



No. 19.—COMPARATIVE STATEMENT of Expenditure during the years 1903 and 1904.

SERVICE.	Expenditure 1903.			Expenditure 1904.		
	\$	c.	\$	c.	\$	c.
Civil Government.....						
SUB-SERVICE.						
Lieutenant-Governor's Office.....	2,525	00			2,170	00
do .....	1,500	00			1,500	00
Attorney-General's Office.....	15,600	00			16,010	00
do .....	1,912	31			1,940	93
Education Department .....	19,050	00			18,987	00
do .....	2,200	02			2,977	12
Crown Lands Department.....	40,825	00			45,347	95
do .....	16,926	19			16,927	39
Bureau of Mines.....	3,950	00			4,700	00
do .....	2,566	26			2,832	40
Colonization and Forestry.....	4,525	00			5,441	66
do .....	1,870	85			1,980	17
Public Works Department.....	24,450	00			24,067	00
do .....	8,179	80			7,625	49
Fisheries .....	6,000	00			6,300	00
do .....	1,458	62			1,563	21
Game Protection.....	2,100	00			2,250	00
do .....	377	26			498	47
Labor Bureau .....	2,000	00			2,050	00
do .....	1,076	61			1,238	70
Treasury Department.....	22,075	00			23,033	88
do .....	4,070	39			8,609	18
Provincial Auditor's Department.....	8,950	00			9,200	00
do .....	736	35			1,041	72
Provincial Secretary's Department.....	17,774	78			18,795	00
do .....	5,180	83			4,155	10
Inspection of Public Institutions .....	15,050	00			15,383	34
do .....	2,687	63			3,428	89
Audit of License and Justice Account.....	9,116	00			9,116	20
do .....	998	72			1,416	15
Registrar-General's Branch.....	10,324	10			10,707	66
do .....	3,652	92			3,936	37
Provincial Board of Health .....	5,950	00			4,987	21
do .....	4,736	07			7,062	74
Department of Agriculture .....	20,355	16			21,058	28
do .....	1,400	42			1,307	56

No. 19.—COMPARATIVE STATEMENT OF EXPENDITURE DURING THE YEARS 1903 AND 1904.—Continued.

SERVICE.	EXPENDITURE 1903.			EXPENDITURE 1904.		
	£	s.	d.	£	s.	d.
SUB-SERVICE.						
Civil Government .....	5,017	33		5,700	00	
Factory Inspection .....	2,651	34		3,468	54	
do .....	6,400	00		6,550	00	
do .....	2,198	13		2,553	17	
Neglected Children's Branch .....	4,000	00		4,300	00	
do .....	2,349	15		2,439	36	
Miscellaneous:—						
Official Gazette .....	3,515	27		3,088	22	
King's Printer—Salaries .....	3,400	00		4,350	00	
do .....	140	51		242	54	
Inspector Registry Offices .....	2,250	00		2,250	00	
Municipal Auditor .....	2,493	99		3,217	68	
Special Clerk, etc .....	600	00		1,200	00	
Total Civil Government .....			327,137 01			344,006 28
Legislation .....	17,950	00		20,233	33	
Salaries .....	14,911	60		12,700	90	
Sessional Writers, Clerks of Committees, etc. ....	2,091	90		2,312	00	
Postage and Cost of House Post Office .....	45,436	84		50,334	59	
Stationery, Printing and Binding and distributing Statutes .....	4,244	87		3,587	60	
Library .....	98,699	80		100,920	00	
Indemnity to Members .....	55,864	83		9,922	72	
Expenses .....			239,199 84			200,011 14
Total Legislation .....						
Administration of Justice .....	35,411	62		37,024	43	
Supreme Court .....	3,385	80		3,788	38	
Appeal Court .....	2,719	54		2,782	09	
High Court .....	14,589	59		13,955	19	
Central Office .....	9,338	53		9,954	84	
Registrar's Office .....	1,763	17		1,709	70	
Weekly Court .....	3,206	30		3,434	71	
Surrogate Court .....	27,923	58		28,516	72	
Surrogate Judges and Local Masters .....	5,963	52		6,079	07	
Inspection of Division Courts .....						

Deputy Clerks of the Crown.....	16,750 40	16,650 00
Deputy Clerks of the Crown as Local Registrars.....	6,606 79	6,821 05
Land Titles Office.....	6,104 07	5,858 08
Local Masters of Titles.....	4,427 33	4,745 68
Drainage Trials Act.....	3,596 35	5,227 60
District of Algoma.....	21,897 16	22,240 71
do Thunder Bay.....	17,332 75	15,158 48
do Rainy River.....	13,318 50	14,196 90
do Nipissing.....	20,052 96	21,241 54
do Muskoka.....	8,597 30	7,538 89
District of Parry Sound.....	10,295 01	12,216 18
do Provisional County of Haliburton.....	1,218 40	1,450 00
District of Manitowlin.....	5,988 34	6,816 83
Provincial Police.....	11,518 64	11,252 06
Crown Counsel Prosecutions.....	4,921 00	6,345 75
Administration of Criminal Justice.....	142,866 39	172,097 76
Inspection of Legal Offices.....	3,766 16	3,869 33
Criminal Investigations.....	4,655 00	5,405 00
Special Services.....	.....	550 00
Sheriff's Fees.....	10,774 90	10,989 92
Seals and other Contingencies.....	227 65	151 12
Constitutional Questions.....	7,117 54	1,200 91
Grouped Counties.....	836 05	827 10
Shorthand Reporters.....	11,300 00	11,300 00
Circuit and County Judges Library.....	1,200 00	1,200 00
Osgoode Hall, Maintenance.....	9,272 63	9,864 65
Total Administration of Justice.....	448,912 97	482,460 67
Education.....	244,276 81	242,802 69
Public and Separate Schools.....	57,950 00	62,460 38
Poor and District.....	2,992 83	3,018 64
Kindergarten.....	192 00	171 00
do.....	413 61	364 55
Night Schools.....	19,550 46	18,367 47
Instruction in Agriculture in grouped Rural Schools.....	9,996 71	10,299 81
Continuation Classes.....	800 00	800 00
Model Schools.....	2,560 05	2,664 45
French-English Training Schools.....	60,343 47	69,595 94
Teachers' Associations.....	30,002 86	28,618 26
Inspection of Schools.....	23,181 68	25,752 64
Departmental Examinations.....	3,230 30	3,018 50
Normal and Model Schools, Toronto.....	20,583 16	22,001 82
do..... salaries.....	2,441 47	2,631 45
do..... expenses.....	8,594 03	6,650 90
Ottawa.....	.....	.....
do..... salaries.....	.....	.....
do..... expenses.....	.....	.....
do..... maintenance.....	.....	.....

No. 19.—COMPARATIVE STATEMENT of Expenditure during the years 1903 and 1904.—Continued.

SERVICE.	Expenditure 1903.		Expenditure 1904.	
	\$	c.	\$	c.
SUB-SERVICE.				
do London.....	6,970	00	8,500	00
do do.....	5,271	47	3,094	78
do do.....	3,053	33	2,554	87
High Schools and Collegiate Institutes.....	115,685	07	115,719	40
Ontario Normal College.....	10,950	24	12,577	90
Departmental Library and Museum.....	3,650	00	4,457	13
do do.....	4,143	49	5,501	13
School of Practical Science.....	28,202	66	32,255	94
do do.....	5,427	65	6,042	04
do do.....	6,163	46	6,321	31
Public Libraries.....	54,040	79	35,268	42
Art Schools, Examinations, etc.....	3,185	51	3,355	96
Literary and Scientific.....	3,500	00	3,600	00
Historical Societies.....	1,150	00	1,700	00
Technical Education.....	14,634	64	19,527	16
Provincial University and Mining Schools.....	115,307	15	111,422	86
Maintenance, Education Department.....	8,632	36	9,512	13
Miscellaneous.....	4,675	80	4,917	63
Superannuated Teachers.....	63,267	43	64,259	75
Total Education.....	945,020	49	949,806	78
Public Institutions Maintenance.....	112,389	52	112,700	85
Asylum for Insane, Toronto.....	133,539	80	137,785	18
do do.....	81,549	97	88,357	89
do do.....	127,700	01	131,195	05
do do.....	81,866	54	83,156	79
do do.....	84,293	00	93,953	83
Asylum for Females, Cobourg.....	22,856	66	23,572	74
do do.....	71,622	05	72,927	40
do do.....	63,198	28	64,496	47
Central Prison, Toronto.....	28,220	47	11,164	84
Reformatory for Boys.....	.....	.....	17,050	24
Asylum for Insane, Penetang.....	.....	.....	50,085	40
Deaf and Dumb Institution.....	.....	.....	.....	.....



Blind Institution.....	32,877 20		32,537 92
Mercer Reformatory .....	29,904 33		31,449 44
Total Public Institutions Maintenance.....		922,037 20	950,434 04
Colonization .....	8,395 11		7,234 31
Immigration.....	8,468 36		12,655 63
Total Colonization and Immigration.....		16,863 47	19,889 94
District Societies.....	75,290 00		76,071 34
Grants to Associations.....	25,653 60		30,333 85
Farmers' Institutes.....	14,180 78		17,190 34
Incidentals.....	31,370 30		58,752 83
Sugar Beet Industry.....	74,997 58		71,715 99
San Jose Scale.....	3,711 65		3,690 86
Experimental Fruit Stations and Institutes.....	3,485 11		4,281 23
Eastern Dairy School.....	11,981 41		12,802 35
Pioneer Dairy Farm.....	1,871 39		2,081 81
Western Dairy School.....	3,140 02		3,442 98
Bureau of Industries.....	2,636 73		2,804 49
Cold Storage.....	121 78		450 00
Ontario Agricultural College and Maintenance.....	78,905 37		84,486 34
Experimental Farm and Feeding.....	13,676 68		17,342 55
Field Experiments.....	7,800 36		9,419 54
Experimental Dairy.....	12,321 82		14,310 74
Central Dairy School.....	8,176 79		10,398 26
Poultry Department.....	2,187 28		2,403 04
Horticultural Department.....	6,590 11		6,777 33
Mechanical Department.....	897 26		901 05
Macdonald Institute and Hall.....			16,824 86
Total Agriculture.....		378,846 02	446,481 22
Grants.....	211,210 61		228,024 37
Children's Aid Societies.....	2,877 90		3,994 78
Sanitary Investigations.....	5,573 46		4,573 60
Sanitariums (63 Vic. Cap. 57, sec. 121).....	4,000 00		
Total Hospitals and Charities.....		223,661 97	236,592 75
Government House.....	15,577 01		15,039 99
Parliament Buildings.....	36,626 59		49,953 72
Attorney-General's Department.....	621 90		617 88
Crown Lands Department.....	3,246 14		3,469 36

No. 19.—COMPARATIVE STATEMENT of Expenditure during the years 1903 and 1904. — (Continued.)

SERVICE.	Expenditure 1903.			Expenditure 1904.		
	\$	c.	\$	c.	\$	c.
SUB-SERVICE.						
Repairs and Maintenance.....	827	19			678	42
Public Works Department.....	819	41			437	26
Treasury Department.....	826	02			764	32
Provincial Secretary's Department.....	943	45			875	93
Department of Agriculture.....	4,025	00				
Miscellaneous.....						
Total Repairs and Maintenance.....			63,512	71	71,836	88
Parliament Buildings.....	1,857	74			2,475	05
Asylum for Insane, Toronto.....	959	42			2,510	53
do do Inspector.....	2,838	41			5,064	27
do do Mimico.....	9,062	22			2,186	02
do do Inspector.....	2,707	47			3,103	39
do do London.....	27,759	75			19,632	18
do do do Inspector.....	8,463	61			2,610	20
do do Hamilton.....	18,873	57			4,799	19
do do Inspector.....	2,191	55			5,107	31
do do Kingston.....	10,206	05			10,464	34
do do do Inspector.....	2,447	60			2,342	82
do do Brockville.....	1,426	15			5,351	10
do do do Inspector.....	2,600	82			2,547	87
do do Coloung.....	265	74			4,750	00
do do do Inspector.....	36	15				
Asylum for Idiots, Orillia.....	2,002	80			7,098	02
do do Inspector.....	10,879	75			4,112	45
Central Prison, Toronto.....	2,697	50			6,905	91
Reformatory for Boys, Inspector.....	2,100	00				
Penetang Asylum.....	7,570	60			40,725	14
Hospital for Epileptics, Oxford.....	2,491	50			50,805	37
Reformatory for Females, Toronto.....	4,779	57			1,259	73
do do Inspector.....	2,109	86			7,038	08
Deaf and Dumb Institution, Belleville.....	2,233	35			4,992	39
do do Inspector.....	4	50			1,977	53
Blind Institution, Brantford.....	2,747	73			3,346	94
do do Inspector.....					1,559	94

Public Buildings.—Continued.....	Normal and Model Schools, Toronto	35,839 70	12,272 15
	do Ottawa.....	1,239 01	3,782 74
	do London.....	2,445 05	90 00
	Normal College, Hamilton.....	854 25	
	School Practical Science, Toronto.....	118,880 68	144,466 20
	Agricultural College and Farm, Guelph.....	40,883 49	31,959 46
	Children's Shelter, Toronto.....	138 65	7,012 35
	Eastern Dairy School, Kingston.....	308 31	8,910 94
	Osgoode Hall, Toronto.....	2,736 32	6,354 92
	District of Algoma.....	1,630 23	2,281 69
	District of Thunder Bay.....	697 20	582 85
	do Muskoka.....	2,642 68	246 21
	do Parry Sound.....	1,908 75	2,812 31
	do Nipissing.....	6,908 70	2,295 45
	do Rainy River.....		
	Total Public Buildings.....	348,421 43	425,833 04
Public Works.....	Combermere Bridge.....	2,624 01	1,254 50
	Lake of the Woods Steel Bridge.....	9,064 24	15,884 78
	Muskoka Lakes Works.....	3,354 59	2,438 60
	Scugeg River Works.....	1,640 56	1,895 06
	Ryerson Swing Bridge.....	4,216 62	
	Eagle Lake Works.....	1,173 84	
	Mamilton Lake Works.....	2,273 55	
	Jean Baptiste River Bridges.....	2,850 00	98 31
	Wabis Creek Bridge.....	1,760 08	2,773 33
	Rainy River Road Bridges.....	2,068 83	2,361 01
	Stanley Bridge.....	3,275 52	
	Deepening Indian River.....	319 40	1,421 16
	Dredging Black River.....	2,136 10	
	Twpys, Elma & Eastnor Outlet Drains.....	2,480 00	1,300 00
	Drainage Works.....	8,800 00	19,763 23
	Southampton Dock—Saugen River.....	989 04	
	Rainy River Docks.....	638 44	75 00
	Blind River Bridge.....	1,770 32	940 05
	Muskat River—to remove obstructions.....	968 22	
	Whitefish River, do.....	249 15	
	Black River Bridge.....	500 00	9 48
	Cassimir Creek—to remove obstructions.....	175 00	30 56
	Buck Lake Bridge.....	305 06	
	Frontenac Bridge—destroyed by fire.....	3,288 06	
	Kinnmount Bridge.....	1,500 00	
	Gannons Narrows Bridge.....	1,000 00	
	Big Creek Drain.....	3,800 00	

No. 19.—COMPARATIVE STATEMENT of Expenditure during the years 1903 and 1904.—Continued.

SERVICE.	Expenditure 1903.		Expenditure 1904.	
	\$	c.	\$	c.
SUB-SERVICE.				
Bridge, West Arm Lake Nipissing.....			3,651	34
Bridge, Sunday Creek.....			603	00
Bridge, La Blanche River.....			2,929	87
Stanley Bridge, north portion.....			4,860	57
Severn Bridge.....			2,500	00
Sequin River Bridge.....			3,754	00
Burk's Falls, Dock Dredging.....			1,822	99
Bridge, Wa Wa Road.....			1,198	39
Obstructions, North River.....			659	14
Black Bridge, Muskoka River.....			1,500	00
Bridge, Nogey's Creek.....			481	85
Bridge, Round Lake Road.....			19	00
Bridge, Baysville.....			2,047	50
Bridge, Calabogie.....			800	00
Bridge, Echo River.....			1,332	11
Bridge, Wasdale.....			1,000	00
Bridge, Wahnapietac River.....			4,642	49
Delta Creek Improvement.....			99	24
Magnetawan River Dam.....			569	43
Ah Mic Lake—to remove obstructions.....			214	07
Surveys, Inspections, etc.....	761	90	1,804	40
Lockmaster's Salaries.....	4,901	25	5,251	16
Maintenance Locks, Dams, etc.....	8,929	71	10,296	72
Total Public Works.....	77,813	49	102,282	34
Board of Surveyors.....	159,258	44	175,620	74
Agents' salaries, etc.....	200	00	200	00
Fees, advertising, etc. re sale Timber Berths.....	28,964	51	35,486	90
Forest Ranging.....	8,948	69	4,879	59
Forest Reserves.....	41,305	74	33,341	00
Fire Ranging.....	6,660	85	10,249	66
Cullers' Act.....	31,237	86	42,989	48
Quebec Agency.....	212	85	68	17
Ottawa Agency.....	2,019	45	2,143	87
Colonization and Mining Roads.....	2,728	72	2,757	10
Charges Crown Lands.....				



Surveys .....	80,777 73	101,299 50
Rat Portage Office .....	162 71	180 00
Inspections, Explorations, etc. ....	14,804 94	14,263 45
Mining Schools .....	1,077 63	1,316 57
Diamond Drills .....	3,791 91	2,513 22
Iron Mining Act .....	25,000 00	25,000 00
Algonquin Park .....	7,562 48	7,916 08
Rondeau Park .....	3,327 68	2,260 10
<b>Total Charges Crown Lands</b> .....	<b>258,783 75</b>	<b>286,844 69</b>
<b>Education</b> .....	<b>1,045 25</b>	<b>1,306 48</b>
Crown Lands .....	54,000 76	14,601 89
Municipalities Fund .....	243 32	121 66
Land Improvement Fund .....	2,861 87	2,311 58
Miscellaneous .....	349 67	309 56
<b>Total Refunds</b> .....	<b>58,500 87</b>	<b>18,651 17</b>
<b>Charges on Revenue</b> .....	<b>12,624 46</b>	<b>15,822 19</b>
Expenses of Elections and Election Trials .....	8,551 98	8,302 06
Ontario Rifle Association .....	1,000 00	1,000 00
Ontario Artillery Association .....	500 00	500 00
Canadian Military Institute .....	100 00	100 00
York Pioneers .....	20 00	200 00
Manhood Suffrage Registration .....	5,854 64	13 80
Voters' Lists .....	18,712 00	12,788 82
Gratuities .....	5,133 64	19,709 70
Telephone Service .....	5,802 84	4,532 51
Removal of Patients .....	3,176 18	6,617 40
Arbitration, Canada and Quebec .....	2,602 00	3,566 81
Wolf Bounty .....	26,639 95	3,839 00
Fisheries .....	500 00	26,487 96
Monument, Governor Simcoe .....	1,887 25	2,185 00
Committee of House for Art Purposes .....	1,025 00	
Compilation Imperial Statutes .....	200 00	200 00
United Empire Loyalists .....	200 00	
Eastern Good Roads Association .....	300 00	300 00
Forestry Association .....	42,933 31	
Liquor Act Vote .....	6,816 59	
Game Protection .....	1,800 00	9,016 70
Port Arthur and Fort William Exposition .....	150 75	
Reception to Curlers, O.A.C. ....	1,000 00	
Statue, Late Sir Oliver Mowat .....	1,576 05	2,500 00
Funeral Expenses do .....	10,000 00	
Industrial Exhibition Building .....		

No. 19.—COMPARATIVE STATEMENT OF EXPENDITURE DURING THE YEARS 1903 AND 1904. — *Concluded.*

SERVICE.	EXPENDITURE 1903.			EXPENDITURE 1904.		
	\$.	c.	\$. c.	\$.	c.	\$. c.
SUB-SERVICE.						
Miscellaneous.— <i>Concluded</i> .....						
Law Costs, Estimated Bail, &c .....	573	41				
Queen Victoria Statue, Hamilton .....	1,000	00				
Good Roads (J. E. L. W., VII., Cap. 32) .....	22,910	51		91,527	54	
Insurance—School of Science and Osgoode Hall .....				3,207	34	
Memorial, South African Veterans .....				2,500	00	
Army & Navy Veterans .....				200	00	
R. M. C. Rifle Association .....				100	00	
Canadian Mining Institute .....				300	00	
Railway Commission .....				2,655	68	
Fire Loss .....				7,928	84	
Trinity Medical Building .....				12,022	95	
Incidentals .....	7,220	53		4,433	36	
Total Miscellaneous .....			190,841, 09			242,557 66
Railway Subsidy Fund .....						118,337 46
Amnities .....				114,607	32	
Drainage Debentures .....				103,900	00	
do .....				2,060	17	
Common School Fund .....				800	00	
Stationery .....				9,774	33	
						78,740 76
						26 93
						\$5,267,453 02

PROVINCIAL AUDITOR'S OFFICE,  
 TORONTO, March 9th, 1905.

C. H. SProuLE,  
 PROVINCIAL AUDITOR.

## No. 20.

## CENTRAL PRISON INDUSTRIES.

Expenditure for the year ending December 31st, 1904.

Name.	Article.	Amount.		Totals.	
		\$	c.	\$	c.
S. Trees & Co. ....	Hardware, iron castings .....	124	05		
C. Kloepfer .....	do .....	6	69		
Graham Nail Works .....	do .....	260	22		
Jas. Smart Mfg. Co. ....	do .....	147	19		
Wood Vallance & Co. ....	do .....	548	78		
Geo. B. Meadows & Co. ....	do .....	42	67		
Wm. H. Frost .....	do .....	1,077	29		
Galloway Taylor & Co. ....	do .....	422	33		
Wm. Blaikie .....	do .....	60	45		
Wm. Jessop & Sons .....	do .....	21	48		
Independent Cordage Co. ....	do .....	267	48		
Brignall & Keeler .....	do .....	12	80		
H. S. Howland Sons & Co. ....	do .....	203	72		
Aikenhead Hardware Co. ....	do .....	1,415	71		
Gendron Mfg. Co. ....	do .....	1	10		
William H. Lake .....	do .....		85		
Nerlich & Co. ....	do .....	576	16		
B. Greening Wire Co. ....	do .....	241	33		
Wm. Abbott .....	do .....	96	07		
James Morrison Brass Co	do .....	7	80		
Canada Metal Co. ....	do .....	54	85		
McDonald & Willson .....	do .....	6	00		
Hobbs Hardware Co. ....	do .....	1,487	71		
Rice Lewis & Son .....	do .....	6	47		
Canada Foundry Co. ....	do .....	14	46		
Wheeler & Bain .....	do .....	37	70		
M. L. Samuel Benjamin Co.	do .....	3	92		
F. Ibbotson .....	do .....		75		
S. Heath & Sons .....	do .....	464	45		
					7,610 48
United Factories .....	Brushes .....	74	91		
Stewart & Wood .....	Paints and oils .....	309	99		
Sanderson Pearey & Co. ....	do .....	945	53		
P. D. Dods .....	do .....	143	63		
Imperial Varnish & Color Co.	Varnish and paints .....	510	32		
Scarfe & Co. ....	Varnish .....	450	47		
Robertson Varnish Co. ....	do .....	117	27		
McCaskill, Dougall & Co. ....	do .....	44	71		
W. Harris & Co. ....	Glue .....	49	08		
Toronto Plate Glass Co. ....	Glass .....		50		
Canada Paint Co. ....	Paint .....	3	43		
The Jas. Roberts on Co. ....	Plumbers' supplies .....	159	93		
Dominion Radiator Co. ....	do .....	22	04		
Canadian General Elec. Co	do .....	2	95		
Ashcroft Mfg. Co. ....	do .....	10	00		
Eureka Mineral Wool Co. ....	do .....	4	50		
J. Maloney & Co. ....	do .....	20	33		
					2,869 59
Grant Hamilton Oil Co. ....	Machine and wool oils .....	170	46		
Canadian Oil Co. ....	do .....	317	05		
Queen City Oil Co. ....	do .....	390	21		
George W. Grant & Co. ....	do .....	181	22		
Cataract Refining Co. ....	do .....	27	80		
R. J. Kennedy .....	do .....	7	50		
					1,094 24
E. T. Carter & Co. ....	Wool warps and tallow .....	5,631	81		
Hamilton Cotton Co. ....	Warps .....	1,076	23		
					6,708 04
Atteaux Dvestuff Co. ....	Chemicals and dyestuffs .....	97	39		
Theo. H. Eaton & Son .....	do .....	143	98		
G. A. Bingham .....	do .....	8	40		
Metropolitan Soap Co. ....	do .....	81	13		
					330 90

CENTRAL PRISON INDUSTRIES.---Continued.

Name.	Article,	Amount.	Totals.
		\$ c.	\$ c.
John Macdonald & Co. ....	Dry goods and tailors' supplies .....	1,537 75	
Nisbet & Auld .....	do .....	2,184 33	
Frank & Bryce .....	do .....	48 53	
Flett Lowndes & Co. ....	do .....	132 96	
John Leckie .....	do .....	71 54	
The Robert Simpson Co. ....	do .....	41 25	
The T. Eaton Co. ....	do .....	52 00	
W. P. Rodger .....	do .....	58 11	
John Halliday .....	do .....	6 00	
F. Hall & Son .....	do .....	8 00	
Fairweather & Co. ....	do .....	3 00	
N. J. Bourdon .....	do .....	45 00	
H. J. Brown .....	do .....	10	
Jess Applegath .....	do .....	18 00	
J. L. Applegath .....	do .....	6 00	
			4,212 57
W. G. Fischer .....	Leather and findings .....	1,713 95	
Beardmore & Co. ....	do .....	1,299 49	
P. Jacobi .....	do .....	37 15	
W. H. Lendon .....	do .....	7 20	
Canada Last Co. ....	do .....	5 95	
Dominion Suspender Co. ....	do .....	69 02	
Garside & White .....	do .....	231 00	
Hurlburt & Mills .....	do .....	88	
M. Hunter .....	do .....	1 40	
			3,366 04
Macgregor, Gourlay Co. ....	Machinery and machinery supplies ....	41 58	
Sadler & Haworth .....	do .....	184 24	
Geo. Reid & Co. ....	do .....	182 38	
Beardmore Belting Co. ....	do .....	771 99	
Singer Mfg. Co. ....	do .....	3 56	
Wm. Crabb & Co. ....	do .....	335 87	
E. Dickey & Co. ....	do .....	26 40	
Hamilton Mfg. Co. ....	do .....	54 54	
Polson Iron Works Co. ....	do .....	387 60	
E. R. Burns Saw Co. ....	do .....	10 30	
Berlin Felt Boot Co. ....	do .....	2 50	
John Bertram & Son .....	do .....	5 00	
A. W. Spooner .....	do .....	57 40	
Dodge Mfg. Co. ....	do .....	13 44	
Handstitch Broom Sewing Machine Co. ....	do .....	30 00	
John Inglis Co. ....	do .....	46 14	
George McFarlane .....	do .....	9 50	
J. Turner & Son .....	do .....	7 50	
A. R. Williams Mach'y Co. ...	do .....	63 44	
Canada Bobbin Co. ....	do .....	54 02	
A. B. Jardine & Co. ....	do .....	9 10	
Goldie & McCulloch Co. ....	do .....	26 55	
Stanley G. Flagg .....	do .....	51 51	
Vermont Spool Co. ....	do .....	230 18	
			2,604 74
Brown Bros. ....	Books, printing, etc. ....	91 23	
Browne-Searle Co. ....	do .....	27 00	
Lawson & Wilson .....	do .....	23 75	
Rolph & Clark .....	do .....	25 00	
Lyon & Patterson .....	do .....	13 50	
C. W. Maek .....	do .....	3 75	
Grand & Toy .....	do .....	2 25	
Salvation Army .....	do .....	1 50	
Jones Engraving Co. ....	do .....	168 25	
Canada Printing Ink Co. ....	do .....	10 20	
T. G. Soole .....	do .....	7 00	
			373 43
Joseph Feigham .....	Lumber .....	431 84	
Keenan Bros. ....	do .....	5,618 46	
Taylor, Scott & Co. ....	do .....	301 41	
D. C. McLean .....	do .....	1,483 45	
Duncan J. McLean .....	do .....	1,173 25	
Henry Pedwell .....	do .....	22,770 54	
Snider & Co. ....	do .....	176 33	
Algoma Commercial Co. ....	do .....	699 61	
Chew Bros. ....	do .....	1,295 92	
			33,950 81



CENTRAL PRISON INDUSTRIES.—Continued.

Name.	Article.	Amount.	Totals.
		\$ c.	\$ c.
Grand Trunk Railway System	Freight, duty, etc.....	2,491 50	
Canadian Pacific Ry. Co. . . . .	do .....	1,677 22	
Canadian Express Co. . . . .	do .....	23 30	
Dominion Express Co. . . . .	do .....	2 76	
Hamilton Steamboat Co. . . . .	do .....	4 45	
Robinson & Heath . . . . .	do .....	167 50	
			4,366 72
Elias Rogers Co. . . . .	1,608 tons 720 lbs. mine run, 3.95		
do . . . . .	121 tons 18 lbs. mine run, 3.55		
do . . . . .	737 tons 15 lbs. scgs., 2.85		
do . . . . .	10½ cords pine slabs, 3.50		
Ely Bros. . . . .	Charcoal .....		3 75
Consumers' Gas Co. . . . .	Coke .....		90
J. H. Dunlop . . . . .	Greenhouse supplies .....	80 39	
H. W. Nelson & Co. . . . .	do .....	4 62	
Spanish Cigar Co. . . . .	do .....	3 00	
			88 01
Consumers' Gas Co. . . . .	Gas .....	291 84	
City of Toronto . . . . .	Water .....	607 39	
Stamp Vendors . . . . .	Postage .....	112 00	
Toronto Railway Co. . . . .	Car tickets .....	48 00	
Great North Western Tel. Co. . . . .	Messages .....	1 05	
Canadian Pacific Tel. Co. . . . .	do .....	25	
Bell Telephone Co. . . . .	do .....	3 10	
Bank of Commerce . . . . .	Exchange on cheques .....	8 14	
Wm. Houston . . . . .	Travelling expenses .....	32 75	
W. W. Mason . . . . .	do .....	7 45	
G. W. Edgar . . . . .	do .....	16 35	
J. Cruickshank & Son . . . . .	Wagon .....	155 00	
Dominion Paper Box Co. . . . .	Paper boxes .....	92 35	
Gutta Percha & Rubber Co . . . . .	Rubber goods .....	69 43	
Ontario Rubber Co. . . . .	do .....	32 56	
Chandler & Massey . . . . .	Webbing .....	6 00	
J. Maloney & Co. . . . .	Cement, lime and repairs .....	19 00	
Douglas & Ratcliff . . . . .	Wrapping paper .....	22 35	
W. G. Harris . . . . .	do .....	59 70	
Rankin & Co. . . . .	Packing .....	10 14	
Canadian Feather Mattress Co. . . . .	Mattresses .....	157 15	
R. G. Dun & Co. . . . .	Mercantile reports .....	50 00	
Sheppard Publishing Co. . . . .	Advertising, etc. . . . .	210 00	
Manufacturers Test Co. . . . .	Trade papers .....	5 00	
J. J. Mitchell & Co. . . . .	do .....	8 00	
Iron Fabrics . . . . .	do .....	2 50	
			2,027 50
J. O. Anderson . . . . .	12 months' salary as Accountant....	500 00	
John White . . . . .	do Ind. Foreman	800 00	
H. Abel . . . . .	do do	800 00	
P. T. McKay . . . . .	do do	1,000 00	
S. Smith . . . . .	do do	1,000 00	
W. Scott . . . . .	do do	1,200 00	
G. Moody . . . . .	do do	650 00	
G. Sweetman . . . . .	do do	650 00	
G. Ross . . . . .	do Ind. Culler..	600 00	
A. Thwaites . . . . .	do do Foreman	650 00	
H. Briefman . . . . .	do do Instructor	600 00	
D. Robertson . . . . .	do do Guard....	550 00	
R. Vickers . . . . .	do do	500 00	
W. Hill . . . . .	do do	400 00	
John Harris . . . . .	do Machinist	700 00	
John Seitz . . . . .	do Ind. Foreman	1,050 00	
C. Seitz . . . . .	do do	468 00	
M. Clancy . . . . .	do do	800 00	
W. W. Jackson . . . . .	do Blacksmith	600 00	
Thomas Gill . . . . .	do Teamster..	420 00	
John Gill . . . . .	8½ do do	208 10	
M. Renehan . . . . .	3 do do	75 00	
R. J. Linton . . . . .	12 do do	600 00	
Jas. Clarkson . . . . .	do do	300 00	
E. A. Hammond . . . . .	do do	600 00	
T. G. Crossan . . . . .	do do	700 00	
Wm. Houston . . . . .	do do	750 00	
Geo. W. Edgar . . . . .	Allowance, Clerk. ....	50 00	



INDEX.

MISCELLANEOUS STATEMENTS.

	PAGE.		PAGE
RECEIPTS AND EXPENDITURES.....	xxxiv	REVENUE, 62 VIC. CAP. 8 .....	lxiii
BALANCE OF OPEN ACCOUNTS.....	xxxviii	SUCCESSION DUTIES REVENUE.....	lix
CONSOLIDATED REVENUE FUND.....	xliii	CASUAL REVENUE.....	lxix
INVESTMENT ACCOUNT.....	xliv	STATIONERY OFFICE.....	lxxi
INTEREST ON INVESTMENTS.....	xlviii	RAILWAY AND ANNUITY CERTIFICATES OUTSTANDING .....	lxxvi
LAW STAMP REVENUE.....	lviii	ASSETS AND LIABILITIES.....	lxxvii
EDUCATION DEPARTMENT REVENUE ..	xlvii i	EXPENDITURE AND OVERDRAFTS .....	238
AGRICULTURE REVENUE .....	xlix	COMPARATIVE EXPENDITURE 1902 AND 1903.....	247
FISHERIES REVENUE.....	li	CENTRAL PRISON INDUSTRIES.....	257
SECRETARY'S DEPARTMENT REVENUE ..	liii		
ALGOMA TAXES REVENUE.....	liv		

EXPENDITURE UNDER APPROPRIATIONS.

ADMINISTRATION OF JUSTICE :	PAGE.	AGRICULTURE :	PAGE.
Supreme Court of Judicature .....	22	Agricultural Societies .....	119
Court of Appeal .....	22	Grants to Associations.....	122
High Court .....	23	Agricultural College.....	131
Central Office.....	23	Experimental Farm and Feeding....	138
Registrar's Office.....	23	Field Experiments.....	140
Weekly Court .....	24	Experimental Dairy .....	141
Surrogate Offices.....	24	Central Dairy School.....	142
Surrogate Judges and Local Masters..	24	Poultry Department.....	143
Crown Counsel Prosecutions.....	32	Garden, etc.....	144
General Administration of Justice in Counties.....	33	Mechanical Department.....	145
Deputy Clerks of the Crown and Pleas	25	Incidentals .....	125
Local Registrars.....	26	Sugar Beet Industry .....	127
District of Algoma .....	27	Experimental Fruit Stations .....	128
do Thunder Bay .....	28	Western Dairy School.....	130
do Rainy River.....	29	Farmers' Institutes.....	122
do Nipissing .....	29	Bureau of Industries .....	131
do Parry Sound.....	30	Pioneer Dairy Farm, Algoma .....	130
do Muskoka .....	30	Eastern Dairy School.....	129
do Manitoulin .....	31	San Jose Scale .....	127
do Haliburton.....	31	Cold Storage.....	131
Provincial Police .....	31	Macdonald Institute.....	137
Sheriffs' Fees, etc.....	36		
Seals and other contingencies.....	37		
Inspection, Division Courts.....	25		
do Office's under Judicature Act	36		
Criminal Investigation .....	36		
Shorthand Reporters.....	37		
Constitutional Questions.....	37		
Grouped Counties .....	37		
Land Titles Office .....	26		
Local Master of Titles .....	26		
Drainage Act.....	27		
County Law Associations .....	33		
Maintenance, Osgoode Hall.....	38		
Special Services.....	36		

CIVIL GOVERNMENT :	
Lieutenant-Governor's Office .....	2
Attorney-General's Department.....	2
Education .....	3
do .....	3
Crown Lands .....	3
Bureau of Mines .....	5
Colonization and Forestry .....	6
Public Works Department .....	7
Fisheries Branch.....	8
Game Protection.....	9
Labour Bureau.....	9
Treasury Department.....	9
Provincial Auditor's Office.....	10

## CIVIL GOVERNMENT.—Continued. PAGE.

Provincial Secretary's Department. . .	11
License Branch . . . . .	13
Board of Health . . . . .	14
Public Institutions Office . . . . .	12
Registrar-General's Branch . . . . .	13
Department of Agriculture . . . . .	15
Factory Inspection . . . . .	16
Insurance Branch . . . . .	16
Official Gazette . . . . .	17
King's Printer . . . . .	17
Inspector of Registry Offices . . . . .	17
Children's Branch . . . . .	16
Municipal Auditor . . . . .	17
Special Services <i>re</i> Investigations . . . .	18
Colonization and Immigration . . . . .	118
Colonization Roads . . . . .	169

## CHARGES ON CROWN LANDS :

Board Surveyors . . . . .	209
Agents' Salaries . . . . .	209
Fees, etc. <i>re</i> Sale of Timber Berths . .	213
Forest Ranging . . . . .	211
Fire Ranging . . . . .	213
Forest Reserves . . . . .	212
Cullers' Act . . . . .	215
Quebec Agency . . . . .	215
Ottawa do . . . . .	216
Surveys . . . . .	216
Mining Development, Rat Portage Office . . . . .	217
Inspections, Explorations, etc. . . . .	217
Mining Schools . . . . .	218
Diamond Drills . . . . .	218
Iron Mining Fund . . . . .	219
Algonquin National Park . . . . .	219
Rondeau Provincial Park . . . . .	219

## EDUCATION :

Poor and District Schools . . . . .	42
Public and Separate Schools . . . . .	39
Kindergarten Schools . . . . .	45
Night do . . . . .	45
Agriculture and Horticulture in Rural Schools . . . . .	45
Continuation Classes . . . . .	45
Model Schools . . . . .	46
Teachers' Associations . . . . .	47
Inspection of Schools . . . . .	47
High Schools, etc. . . . .	58
French-English Training School . . . .	47
Ontario Normal College . . . . .	59
Departmental Examinations . . . . .	49
Normal and Model Schools, Toronto . .	53
do do Ottawa . . . . .	55
do do London . . . . .	57
Library, etc . . . . .	60
School of Practical Science . . . . .	62
Public Libraries . . . . .	64
Art Schools Examinations, etc . . . . .	67
Literary and Scientific . . . . .	67
Superannuated Teachers . . . . .	70
Historical Societies . . . . .	67
Provincial University and Mining Schools . . . . .	69
Maintenance, Educational Buildings .	69
Technical Education . . . . .	68
Miscellaneous . . . . .	70

HOSPITALS AND CHARITIES . . . . .	PAGE. 145
Children's Aid Societies . . . . .	147
Sanitary Investigations . . . . .	147

## LEGISLATION :

Official Salaries . . . . .	18
Clerks of Committees, etc . . . . .	18
Sessional Writers, Messengers, Pages, etc . . . . .	18
Postages and Cost of House Post Office	18
Stationery, Printing and Binding . . . .	19
Library . . . . .	20
Indemnity to Members . . . . .	20
Expenses . . . . .	20

## MISCELLANEOUS :

Charges on Revenue . . . . .	223
Ontario Rifle Association . . . . .	224
Artillery Association . . . . .	224
Manhood Suffrage . . . . .	224
Expenses of Elections, etc. . . . .	223
Voters' Lists . . . . .	225
Gratuities . . . . .	225
Telephone Services . . . . .	226
Removal of Patients . . . . .	227
Arbitration, Canada and Quebec . . . .	227
Canadian Military Institute . . . . .	224
Game Protection . . . . .	231
Fisheries . . . . .	227
Destruction of Wolves . . . . .	226
Art Committee . . . . .	231
United Empire L. Association . . . . .	231
Forestry Association . . . . .	231
York Pioneers . . . . .	224
Army and Navy Veterans . . . . .	232
South African Veterans . . . . .	232
R. M. C. Rifle Association . . . . .	232
Insurance . . . . .	232
Can. Mining Institute . . . . .	232
Railway Commission . . . . .	232
Purchase Medical School Bldg. . . . .	233
Fire Loss . . . . .	233
Statue, Late Sir Oliver Mowat . . . . .	232
Good Roads . . . . .	233
Incidentals . . . . .	233

## PUBLIC INSTITUTIONS MAINTENANCE :

Asylum for the Insane, Toronto . . . .	71
do do Mimico . . . . .	89
do do London . . . . .	75
do do Kingston . . . . .	80
do do Hamilton . . . . .	85
do do Brockville . . . . .	93
do do Penetang . . . . .	99
do Female Patients, Cobourg . . . . .	97
do Feeble Minded, Orillia . . . . .	103
Central Prison . . . . .	106
Reformatory for Boys . . . . .	101
Institution for the Deaf and Dumb . . .	109
Institution for the Blind . . . . .	112
Mercer Reformatory . . . . .	115

## PUBLIC BUILDINGS :

Asylum for the Insane, Toronto . . . .	151
do do Mimico . . . . .	152



PUBLIC BUILDINGS.— <i>Continued.</i>	PAGE.
Asylum for the Insane, London.....	152
do Kingston.....	153
do Hamilton.....	153
do Brockville.....	154
do Cobourg.....	155
do Feeble Minded, Orillia.....	155
Hospital for Epileptics, Oxford.....	155
Penetang Asylum.....	157
Reformatory for Females.....	156
Central Prison.....	156
Institute for the Deaf and Dumb.....	157
do Blind.....	157
Children's Shelter.....	162
Agricultural College.....	160
Normal and Model Schools, Toronto.....	158
do Ottawa.....	159
do London.....	159
School of Practical Science.....	159
Eastern Dairy School.....	162
Parliament Buildings.....	151
District of Algoma.....	162
do Thunder Bay.....	162
do Rainy River.....	163
do Muskoka.....	162
do Parry Sound.....	162
do Nipissing.....	162

## PUBLIC WORKS :

Muskoka Lakes Works.....	165
Swing Bridge, Ryerson.....	164
Combermere Bridge.....	164
Steel Bridge, Lake of the Woods.....	164
Jean Baptiste River Bridges.....	166
Wabis Creek Bridge.....	163
Stanley Bridge, Thunder Bay.....	164
Deepening Indian River.....	166
Outlet Drains—Elma and Eastnor Twps.....	167
Drainage.....	167
Rainy River Bridges.....	165
Blind River Bridge.....	164
Black River Bridge.....	167
Bridge West Arm Lake Nipissing.....	163

PUBLIC WORKS— <i>Continued.</i>	PAGE.
Bridge Sunday Creek.....	163
Bridge La Blanch River.....	164
Severn Bridge.....	165
Cassimir Creek Improvements.....	166
Rainy River Docks.....	167
Seguin River Bridge.....	165
Burk's Falls Dock Dredging.....	165
Bridge Wa Wa Road.....	165
Obstructions North River.....	165
Black Bridge, Muskoka.....	165
Bridge Nogey's Creek.....	165
Bridge Round Lake Road.....	166
Bridge Baysville.....	166
Bridge Calabogie.....	166
Bridge Echo River.....	166
Bridge Wasdale.....	166
Bridge Wahnapietae River.....	166
Delta Creek Improvement.....	167
Magnetewan River Dam.....	167
Obstructions Ah Mic Lake.....	167
Maintenance, Locks, Dams, etc.....	168
Surveys, Inspections, etc.....	167
Lockmasters' Salaries.....	168

## REFUNDS :

Education.....	220
Crown Lands.....	220
Municipalities Fund.....	222
Land Improvement Fund.....	222
Miscellaneous.....	222

REPAIRS AND MAINTENANCE GOVERNMENT  
AND DEPARTMENTAL BUILDINGS :

Government House.....	148
Parliament Buildings.....	149
Attorney-General's Department.....	150
Crown Lands Department.....	150
Treasury Department.....	151
Secretary's Department.....	151
Department of Agriculture.....	151
Department of Public Works.....	150

## EXPENDITURE UNDER SPECIAL ACT.

Annuitiess.....	236
COMMON SCHOOL FUND.....	236
CENTRAL PRISON INDUSTRIES.....	257

DRAINAGE DEBENTURES (Municipal)....	236
DRAINAGE DEBENTURES (Tile).....	236
RAILWAY SUBSIDY FUND.....	234



# Estimates

of the

# Province of Ontario

For the Year ending 31st December,

1905

PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO



TORONTO:

Printed and Published by L. K. CAMERON, Printer to the King's Most Excellent Majesty.

1905.



*TORONTO:*

WARWICK BRO'S & RUTTER, LIMITED, PRINTERS.



## SUMMARY

Of the Estimated Expenditure of the Province of Ontario for the Financial Year ending 31st December, 1905.

No.	SERVICES.	Page.	To be voted.					
			For current expenditure.		On capital account.		For other purposes.	
			\$	c.	\$	c.	\$	c.
I	Civil Government .....		351,980	00				
II	Legislation .....		187,950	00				
III	Administration of Justice.....		488,850	75				
IV	Education .....		1,198,340	51				
V	Public Institutions Maintenance		931,327	00.				
VI	Colonization and Immigration..		24,275	00				
VII	Agriculture .....		333,443	00				
VIII	Hospitals and Charities.....		291,642	19				
IX	Maintenance and Repairs of Government and Departmental Buildings .....		74,030	00				
X	Public Buildings—							
	(1) Repairs .....		50,816	00				
	(2) Capital Account .....				312,044	27		
XI	Public Works—							
	(1) Repairs .....		30,700	00				
	(2) Capital Account .....				55,600	00		
XII	Colonization and Mining Roads..						166,300	00
XIII	Charges on Crown Lands .....		282,375	80				
XIV	Refunds Account.....		40,415	80				
XV	Miscellaneous Expenditure ....		209,700	00				
XVI	Unforeseen and Unprovided ....		50,000	00				
			4,545,845	25	367,644	27	166,300	00

	\$	c.
1. Current Expenditure for 1905 .....	4,545,845	25
2. On Capital Account.....	367,644	27
3. Other purposes .....	166,300	00
Amount of Estimates.....	5,079,789	52



# ESTIMATES OF EXPENDITURE

OF THE

## PROVINCE OF ONTARIO

FOR THE YEAR

1905.

### I. CIVIL GOVERNMENT.

*Amount to be voted, \$351,980.00.*

No. of Vote.	Salaries and Contingencies.	1904.		1905.		Compared with Estimates of 1904.	
		\$	c.	\$	c.	Increase.	Decrease.
1	Lieutenant-Governor's Office.	3,640	00	3,840	00	200	00
2	Premier and Attorney - General's Department.....	22,010	00	24,010	00	2,000	00
3	Education Department.....	22,050	00	19,700	00	.....	2,350 00
4	Crown Lands Department...	73,450	00	76,700	00	3,250	00
5	Public Works do	45,300	00	45,700	00	400	00
6	Treasury do	33,150	00	33,800	00	650	00
7	Provincial Secretary's Department.....	23,230	00	24,080	00	850	00
8	Inspection Public Institutions	19,150	00	20,000	00	850	00
9	License Branch.....	8,650	00	8,950	00	300	00
10	Audit of Justice Accounts....	1,800	00	2,350	00	550	00
11	Registrar-General's Branch..	15,100	00	15,450	00	350	00
12	Board of Health..	13,400	00	15,400	00	2,000	00
13	Neglected Children's Branch.	6,900	00	7,000	00	100	00
14	Department of Agriculture...	22,400	00	22,000	00	.....	400 00
15	Factory Inspection.....	7,850	00	9,450	00	1,600	00
16	Insurance Branch.....	9,150	00	9,150	00		
17	Miscellaneous .....	14,400	00	14,400	00		
		341,630	00	351,980	00	13,100	00
						2,750	00

I. CIVIL GOVERNMENT.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
<b>1</b>	<b>Lieutenant-Governor's Office.</b>		
	Official Secretary... ..	1,200 00	1,200 00
	Occasional assistance.....	400 00	400 00
	Messenger.....	540 00	540 00
	Contingencies.....	1,500 00	1,700 00
		3,640 00	3,840 00
<b>2</b>	<b>Premier and Attorney-General's Department.</b>		
	Premier and Attorney-General... ..	7,000 00	7,000 00
	Deputy Attorney-General... ..	3,500 00	3,500 00
	Premier's Secretary... ..		2,000 00
	Assistant Secretary.....	600 00	650 00
	Clerk, Executive Council... ..	1,800 00	1,850 00
	Assistant Clerk, Executive Council and Attorney-General's Secretary ... ..	1,500 00	1,600 00
	Stenographer and Assistant... ..	360 00	410 00
	Law Secretary.....	800 00	800 00
	First Class Clerk.....	1,150 00	1,200 00
	Second Class Clerk .....	1,000 00	1,050 00
	do do .....	900 00	950 00
	Messenger, Executive Council and Care- taker... ..	1,000 00	1,000 00
	Contingencies... ..	2,400 00	2,000 00
		22,010 00	24,010 00
<b>3</b>	<b>Education Department.</b>		
	Minister of Education.....	4,000 00	4,000 00
	Deputy Minister.....	2,600 00	2,600 00
	Minister's Secretary .....	1,500 00	1,200 00
	Senior Clerk and Accountant.....	1,400 00	1,400 00
	Clerk.....	1,350 00	
	do of Records.....	1,250 00	1,250 00
	do (transferred to Examinations).....	1,100 00	
	do of Correspondence .....	1,250 00	1,250 00
	do (transferred to Examinations) .....	900 00	
	Assistant Clerk of Correspondence (trans- ferred from Examinations).....		800 00
	Assistant Clerk of Records... ..	850 00	850 00
	Clerk of Statistics... ..	900 00	900 00
	do and Assistant Accountant... ..	600 00	600 00
	do and Stenographer... ..	800 00	800 00
	Stenographer (2) one transferred from Examinations.....	600 00	950 00
	Caretaker, including offices, museum, etc... ..	550 00	550 00
	Postage.....	450 00	450 00
	Printing, paper for circulars and blanks... ..	800 00	800 00



I. CIVIL GOVERNMENT.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
<b>3</b>	<b>Education Department—<i>Continued.</i></b>		
	Office stationery and account books... ..	500 00	500 00
	Books, periodicals and contingencies ... ..	450 00	600 00
	Travelling and other expenses.....	200 00	200 00
<b>4</b>	<b>Crown Lands Department.</b>	22,050 00	19,700 00
	Commissioner.....	4,000 00	4,000 00
	Assistant Commissioner.....	3,250 00	3,250 00
	Law Clerk.....	2,200 00	2,200 00
	Secretary to Assistant Commissioner... ..	1,000 00	1,000 00
	Stenographer.....		400 00
	<i>Land Sales and Free Grants—</i>		
	Chief Clerk.....	1,900 00	1,900 00
	Clerk.....	1,400 00	1,400 00
	do .....	900 00	900 00
	do .....	900 00	900 00
	Stenographer.....	550 00	550 00
	do .....		450 00
	<i>Military Grants—</i>		
	Chief Clerk.....	1,200 00	1,200 00
	Clerk.....	650 00	650 00
	Stenographer.....		450 00
	<i>Surveys and Patents—</i>		
	Director.....	2,200 00	2,200 00
	Surveyor and Draughtsman.....	1,400 00	1,400 00
	Clerk.....	1,000 00	1,000 00
	Draughtsman.....	1,200 00	1,200 00
	Clerk... ..	800 00	800 00
	do .....	800 00	800 00
	Draughtsman... ..		850 00
	Stenographer.....		400 00
	Clerk of Patents and Inspector of Agencies.....	1,650 00	1,650 00
	Clerk.....	800 00	800 00
	do .....	1,000 00	1,000 00
	do .....		900 00
	<i>Woods and Forests</i>		
	Chief Clerk.....	1,800 00	1,800 00
	Clerk.....	1,100 00	1,100 00
	do .....	1,250 00	1,250 00
	do .....	850 00	850 00
	do .....	800 00	800 00
	do .....	750 00	750 00
	do .....		700 00

I. CIVIL GOVERNMENT.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
4	<b>Crown Lands Department—<i>Continued.</i></b>		
	<i>Accounts Branch—</i>		
	Accountant.....	1,850 00	1,850 00
	Clerk.....	1,200 00	1,200 00
	do .....	1,100 00	1,100 00
	do .....	800 00	800 00
	do .....	750 00	1,000 00
	Registrar.....	1,500 00	1,500 00
	Clerk.....	1,100 00	1,100 00
	Messenger, etc.....	600 00	600 00
	Contingencies.....	14,000 00	11,000 00
	<i>Bureau of Mines—</i>		
	Director.....	2,500 00	2,500 00
	Secretary.....	1,300 00	1,200 00
	Stenographer.....	500 00	500 00
	Clerk.....	400 00	400 00
	Contingencies.....	2,900 00	2,900 00
	<i>Colonization and Forestry—</i>		
	Director.....	2,000 00	2,000 00
	Forester.....		1,600 00
	Secretary and Minister's Secretary .....	1,300 00	1,500 00
	Clerk.....	950 00	950 00
	Clerk.....	650 00	800 00
	Clerk at Station.....	600 00	600 00
	do at Station.....	500 00	500 00
	Stenographer.....	1,600 00	1,600 00
	Contingencies.....		
		73,450 00	76,700 00
5	<b>Public Works Department.</b>		
	Commissioner.....	4,000 00	4,000 00
	Assistant Commissioner.....	2,400 00	2,400 00
	Clerk and Minister's Secretary.....	1,100 00	1,100 00
	Consulting Engineer and Architect.....	1,500 00	1,500 00
	Engineer.....	1,800 00	1,800 00
	Architect.....	1,900 00	1,900 00
	Secretary Public Works.....	1,000 00	1,200 00
	Accountant and Law Clerk.....	1,350 00	1,350 00
	Assistant Engineer and Architect.....	1,200 00	1,200 00
	Assistant Clerk and Paymaster.....	1,200 00	1,200 00
	Clerk and Stenographer.....	550 00	600 00
	do do .....	400 00	400 00
	Clerk of Files.....	500 00	550 00
	Messenger and Caretaker.....	600 00	600 00
	Contingencies.....	4,400 00	4,400 00

I. CIVIL GOVERNMENT.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
<b>5</b>	<b>Public Works Department.—<i>Continued.</i></b>		
	<i>Commissioner of Highways Branch—</i>		
	Clerk.....	900 00	900 00
	Stenographer.....	400 00	450 00
	Stationery and printing.....	500 00	500 00
	Travelling expenses and contingencies.....	1,000 00	1,000 00
	<i>Colonization Roads—</i>		
	Superintendent.....	1,900 00	1,900 00
	Accountant.....	1,000 00	1,000 00
	Clerk.....	950 00	950 00
	Contingencies.....	1,000 00	1,000 00
	<i>Fisheries—</i>		
	Deputy Commissioner.....	2,200 00	2,200 00
	Chief Clerk.....	1,400 00	1,400 00
	Clerk.....	850 00	850 00
	do.....	900 00	900 00
	do and Stenographer.....	500 00	500 00
	do.....	450 00	450 00
	Contingencies.....	1,500 00	1,500 00
	<i>Game Protection—</i>		
	Chief Warden.....	1,400 00	1,400 00
	Clerk.....	850 00	850 00
	Contingencies.....	600 00	600 00
	<i>Labor Bureau—</i>		
	Secretary.....	1,500 00	1,500 00
	Clerk and Stenographer.....	550 00	600 00
	Contingencies.....	1,050 00	1,050 00
<b>6</b>	<b>Treasury Department.</b>	45,300 00	45,700 00
	Treasurer.....	4,000 00	4,000 00
	Assistant Treasurer.....	2,500 00.	2,500 00
	Clerk of Bonds and Algoma Taxes.....	1,600 00	1,600 00
	First Class Clerk.....	1,300 00	1,350 00
	Second Class Clerk.....	1,100 00	1,150 00
	do and Private Secretary.....	1,050 00	900 00
	Junior Second Class Clerk.....	850 00	900 00
	do.....	850 00	900 00
	do.....	700 00	750 00
	do.....	650 00	700 00
	do.....	750 00	750 00
	Clerk and Bank Messenger.....	300 00	350 00
	Messenger (general).....	300 00	350 00
	Contingencies.....	3,700 00	3,700 00
	<i>Succession Duties Branch—</i>		
	Solicitor under Succession Duties Act.....	2,200 00	2,300 00
	Second Class Clerk.....	850 00	900 00
	Stenographer.....	450 00	500 00
	Contingencies.....	400 00	400 00

I. CIVIL GOVERNMENT.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
6	<b>Treasury Department.</b> --- <i>Continued.</i>		
	<i>Provincial Auditor's Office</i> —		
	Provincial Auditor.....	2,500 00	2,500 00
	Assistant Auditor.....	1,600 00	1,650 00
	Chief Clerk.....	1,600 00	1,600 00
	First Class Clerk.....	1,350 00	1,400 00
	Second Class Clerk.....	950 00	1,000 00
	do .....	800 00	850 00
	Messenger... ..	400 00	450 00
	Extra Clerks <i>re</i> Public Accounts... ..	300 00	300 00
	Contingencies.....	400 00	400 00
7	<b>Provincial Secretary's Department.</b>	33,150 00	33,800 00
	Secretary and Registrar... ..	4,000 00	4,000 00
	Assistant Secretary.....	2,500 00	2,500 00
	Deputy Registrar.....	1,450 00	1,500 00
	Assistant do .....	1,250 00	1,300 00
	First Class Clerk and Minister's Secretary... ..	1,250 00	1,500 00
	First Class Clerk.....	1,400 00	1,450 00
	do .....	1,350 00	1,400 00
	Second Class Clerk.....	1,000 00	1,050 00
	Junior Second Class Clerk... ..	800 00	850 00
	do .....	750 00	800 00
	Stenographer.....	600 00	650 00
	do .....	550 00	600 00
	do .....		550 00
	Junior Clerks (2).....	980 00	1,080 00
	Messenger and Caretaker... ..	600 00	600 00
	Printing and binding, including Marriage licenses, Joint Stock Company forms, etc.....	1,750 00	1,750 00
	Stationery, postage and contingencies... ..	3,000 00	2,500 00
8	<b>Inspection Public Institutions.</b>	23,230 00	24,080 00
	Inspector of Asylums... ..	2,600 00	2,600 00
	do Prisons and Charities... ..	2,500 00	2,500 00
	do Central Prison and Reforma- tories.....	2,400 00	2,400 00
	First Class Clerk.....	1,400 00	1,450 00
	do .....	1,250 00	1,300 00
	do .....	1,250 00	1,300 00
	do .....	1,150 00	1,200 00
	Second Class Clerk.....	1,050 00	1,100 00
	Junior Second Class Clerk... ..	800 00	800 00
	Stenographer... ..	400 00	450 00
	Clerk and Stenographer.....		450 00



I. CIVIL GOVERNMENT.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1894.	1905.
<b>8</b>	<b>Inspection Public Institutions.—</b> <i>Continued.</i>		
	Clerk and Messenger... ..	650 00	650 00
	Travelling expenses for Inspectors.....	1,500 00	1,500 00
	Printing, stationery, postage and contingencies.....	2,200 00	2,300 00
<b>9</b>	<b>License Branch.</b>	19,150 00	20,000 00
	Chief Officer ... ..	2,000 00	2,200 00
	Provincial Inspector.....	2,000 00	2,000 00
	First Class Clerk.....	1,550 00	1,600 00
	Second Class Clerk.....	1,000 00	1,050 00
	Junior Second Class Clerk... ..	750 00	700 00
	do do ... ..	750 00	800 00
	Stationery, postage and contingencies ... ..	600 00	600 00
		8,650 00	8,950 00
<b>10</b>	<b>Audit of Justice Accounts.</b>		
	Inspector of Criminal Justice Account.....	1,700 00	1,700 00
	Stenographer.....		450 00
	Contingencies... ..	100 00	200 00
<b>11</b>	<b>Registrar-General's Branch.</b>	1,800 00	2,350 00
	Deputy Registrar-General and Secretary Board of Health... ..	2,500 00	2,500 00
	Inspector District Registrar's Office .....	1,300 00	1,300 00
	Chief Clerk.....	1,100 00	1,150 00
	Second Class Clerk.....	1,050 00	1,100 00
	do .....	950 00	1,000 00
	do .....	950 00	1,000 00
	do .....	950 00	1,000 00
	do .....	850 00	900 00
	Stenographer... ..	550 00	600 00
	Messenger.....	500 00	500 00
	For supply of blank forms to postmaster and Indices.....	500 00	500 00
	Printing and stationery.....	1,800 00	1,800 00
	Postage and contingencies.....	900 00	900 00
	Travelling expenses inspecting District Registrars.....	500 00	500 00
	Temporary services.....	300 00	300 00
	District Registrar's fees... ..	400 00	400 00
		15,100 00	15,450 00

I. CIVIL GOVERNMENT.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
12	<b>Provincial Board of Health.</b>		
	Chairman... ..	400 00	400 00
	Medical Inspector.....	2,000 00	2,000 00
	Provincial Analyst in charge of Laboratory	1,600 00	1,600 00
	Chief Clerk.....	1,000 00	1,050 00
	Clerk.....	650 00	650 00
	Messenger.....	550 00	600 00
	Printing, binding, stationery and sanitary literature.....	1,000 00	1,000 00
	Per diem allowance of members of Board...	700 00	700 00
	Rent of Laboratory...	500 00	500 00
	Travelling expenses of Members of Board and Secretary.....	600 00	800 00
	Laboratory Investigations.....	2,900 00	2,900 00
	For the analysis of sewage ... ..	1,000 00	1,000 00
	Contingencies ... ..	500 00	2,200 00
		13,400 00	15,400 00
	13	<b>Neglected Children's Branch.</b>	
Superintendent and Inspector.....		1,700 00	1,700 00
Inspector.....		1,100 00	1,100 00
Clerk and Stenographer.....		500 00	500 00
Clerk and Messenger... ..		250 00	350 00
Special literature.....		200 00	200 00
Children's Visitor... ..		750 00	750 00
Travelling expenses and contingencies		2,400 00	2,400 00
	6,900 00	7,000 00	
14	<b>Department of Agriculture.</b>		
	Minister.....	4,000 00	4,000 00
	Deputy Minister and Secretary of Bureau of Industries.....	2,600 00	2,700 00
	Assistant Secretary.....	1,700 00	1,700 00
	Chief Clerk... ..	1,600 00	1,650 00
	First Class Clerk Minister's Secretary.....	1,350 00	1,400 00
	Second Class Clerk.....	1,200 00	1,200 00
	do .....	1,100 00	1,150 00
	do Municipal Statistics .....	1,100 00	1,150 00
	do .....	1,100 00	1,150 00
	do .....	1,100 00	1,150 00
	do .....	1,050 00	.....
	do .....	950 00	1,000 00
	Junior Second Class Clerk.....	650 00	600 00
	do do and Messenger ...	600 00	650 00
Additional Messenger Service.....	900 00	700 00	
Stenographer.....	.....	400 00	
Contingencies.....	1,400 00	1,400 00	
	22,400 00	22,000 00	

I. CIVIL GOVERNMENT.—*Continued.*

No. of Vote.	S E R V I C E .	Salaries and Expenses.	
		1904.	1905.
<b>15</b>	<b>Factory Inspection Branch.</b>		
	Inspector... ..	1,100 00	1,100 00
	do .....	1,100 00	1,100 00
	do .....	1,000 00	1,000 00
	do .....	1,000 00	1,000 00
	Female Inspector.....	650 00	650 00
	do do .....		600 00
	Stenographer.....	500 00	500 00
	Contingencies... ..	2,500 00	3,500 00
		7,850 00	9,450 00
<b>16</b>	<b>Insurance Branch.</b>		
	Inspector of Insurance, and Registrar of Friendly Societies and Loan Com- panies... ..	3,000 00	3,000 00
	Assistant Registrar of Friendly Societies..	1,200 00	1,200 00
	Clerk.....	950 00	950 00
	Clerk.....	850 00	850 00
	Stenographer.....	550 00	550 00
	Printing, blank returns and forms.....	1,300 00	1,300 00
	Travelling expenses, books, postage, sta- tionery, etc.....	1,300 00	1,300 00
<b>17</b>	<b>Miscellaneous.</b>	9,150 00	9,150 00
	King's Printer.....	1,500 00	1,500 00
	Assistant King's Printer.....	1,050 00	1,050 00
	Chief Clerk.....	1,000 00	1,000 00
	Clerk (charged to contingencies).....	800 00	800 00
	Cost of Official Gazette.....	5,000 00	5,000 00
	Contingencies, including stationery, post- age, etc.....	100 00	100 00
	Inspector of Registry Offices.....	1,750 00	1,750 00
	Travelling and other expenses.....	500 00	500 00
	Municipal Auditor.....	2,100 00	2,100 00
	Travelling and other expenses.....	600 00	600 00
	Clerk for special services <i>re</i> investigations. ( <i>Transferred to Legislation, Assistant Law Clerk.</i> )	14,400 00	14,400 00

18

## II. LEGISLATION.

*Amount to be voted, \$187,450.00.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
	Mr. Speaker's salary.....	2,000 00	2,000 00
	Clerk of the House.....	2,000 00	2,000 00
	Clerk Assistant and Clerk of Routine... ..	1,600 00	1,700 00
	Sergeant-at-arms.....	1,000 00	1,000 00
	Law Clerk.....	1,400 00	1,400 00
	do Assistant.....	1,400 00	1,400 00
	Stenographer... ..	450 00	450 00
	Postmaster.....	1,200 00	1,200 00
	Assistant Postmaster... ..	600 00	600 00
	Librarian.....	1,900 00	1,900 00
	Assistant Librarian.....	1,000 00	1,000 00
	do for annex... ..	550 00	550 00
	Archivist... ..	1,500 00	1,500 00
	Assistant Archivist (French)... ..	800 00	800 00
	Accountant of the House (also King's Printer).....	400 00	400 00
	Housekeeper and Chief Messenger... ..	900 00	900 00
	House Messengers (5).....	2,850 00	2,850 00
	Clerks of Committees, Secretary of the Speaker and Leader of the Opposition	5,200 00	5,200 00
	Sessional Writers, Messengers, Elevator Men and Pages.....	6,000 00	7,000 00
	Postage and Cost of House Post Office.....	1,800 00	1,800 00
	Carriage of Mail.....		500 00
	Stationery, including printing paper, printing and binding.....	40,000 00	40,000 00
	Printing Bills and distributing Statutes... ..	2,000 00	2,000 00
	Library, for books and binding, etc.....	3,000 00	3,500 00
	Indemnity to members including mileage.	103,000 00	101,000 00
	Subscription to newspapers and periodicals	1,000 00	1,000 00
	Contingencies.....	4,300 00	4,300 00
	Expenses select committee on assessments and public utilities.....	2,700 00	
		190,550 00	187,950 00



## III. ADMINISTRATION OF JUSTICE.

*Amount to be voted, \$488,850 75.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
19	<i>Supreme Court of Judicature—</i>		
	Allowance to Judges under R.S.O., cap. 52.....	15,000 00	17,000 00
	Registrar Supreme Court and Court of Appeal.....	2,000 00	2,000 00
	Contingencies, printing, etc.....	75 00	75 00
	Master-in-Chambers.....	3,200 00	3,200 00
	Clerk.....	1,700 00	1,700 00
	Assistant Clerk.....	1,000 00	1,000 00
	Entering Clerk.....	600 00	600 00
	Contingencies.....	400 00	400 00
	Master-in-Ordinary.....	4,000 00	4,000 00
	Chief Clerk and Accountant.....	2,000 00	2,000 00
	Clerk and Stenographer.....	1,300 00	1,300 00
	Contingencies.....	200 00	200 00
	Senior Taxing Officer.....	2,150 00	2,150 00
	Junior do.....	1,700 00	1,700 00
	Judges' Library.....	500 00	500 00
	<i>Court of Appeal—</i>		
	Assistant Registrar and Clerk of Elec- tion Court.....	1,300 00	1,500 00
	Usher and Messenger.....	800 00	800 00
	Contingencies.....	600 00	600 00
	Secretary to Judges.....	800 00	800 00
	<i>High Court—</i>		
	Clerk of the Process.....	1,400 00	1,400 00
	Printing Writs, Forms, etc.....	300 00	300 00
	Contingencies.....	50 00	50 00
	Clerk of Assize.....	1,200 00	1,200 00
	Contingencies.....	50 00	50 00
	<i>Central Office—</i>		
	Clerk of the Crown.....	2,500 00	2,500 00
	Clerk of Records and Writs.....	1,550 00	1,550 00
	Judgment Clerk.....	1,200 00	1,200 00
	Clerk.....	1,400 00	1,400 00
	Clerk.....	1,000 00	1,000 00
	Clerk.....	1,000 00	1,000 00
	do.....	850 00	850 00
	do.....	700 00	700 00
	do.....	800 00	800 00
	do.....	800 00	800 00
	Messenger.....	300 00	300 00
	Housekeeper and Messenger.....	700 00	700 00
	Two assistants.....	648 00	648 00
	Messenger.....	600 00	600 00
	Housekeeper.....	350 00	350 00
	Assistant Housekeeper.....	400 00	400 00
	Contingencies.....	1,020 00	1,020 00

III. ADMINISTRATION OF JUSTICE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
19	<i>Registrar's Office—</i>		
	Senior Registrar and Referee of Titles	2,100 00	3,000 00
	Junior Registrar.....	2,000 00	2,000 00
	Clerk.....	1,200 00	1,200 00
	do .....	1,500 00	1,500 00
	Usher and Sentographer to Judges.....	800 00	800 00
	do .....	600 00	700 00
	do and Stenographer.....	600 00	600 00
	Contingencies.....	400 00	400 00
	<i>Weekly Court—</i>		
	Registrar and Clerk of Weekly Court (exclusive of \$400 paid from surplus interest fund).....	1,850 00	1,600 00
	Registrar and Clerk of Weekly Court (arrears of salary for 1904).....		183 00
	Contingencies.....	50 00	50 00
	<i>Exchequer Division—</i>		
	To cover <i>re</i> arrangements.....	1,500 00	700 00
	Usher and Stenographer.....		
	<i>Surrogate Court, Surrogate Judges, Local Masters, etc.—</i>		
	Surrogate Clerk.....	2,000 00	2,000 00
	do .....	800 00	800 00
	Stenographer, half time.....	225 00	225 00
	Contingencies.....	250 00	250 00
	Judges of Surrogate upon commutation of fees.....	14,351 00	15,351 00
	Local Masters upon commutation of their fees.....	11,450 00	11,762 00
	Allowance to Crown Attorney, Toronto, upon commutation of fees (63 Vic., chap. 17).....	3,500 00	3,500 00
	<i>Division Courts—</i>		
	Inspector.....	1,800 00	1,800 00
	Assistant Inspector.....	1,300 00	1,300 00
	Clerk.....	1,050 00	1,050 00
	do .....	500 00	500 00
	Travelling expenses and contingencies	1,000 00	1,200 00
	Deputy Clerks of the Crown.....	17,550 00	17,550 00
	do do as Local Registrars	7,100 00	7,300 00
	<i>Land Titles Office—</i>		
	Master of Titles.....	3,000 00	3,000 00
	Chief Clerk.....	1,050 00	1,050 00
	Clerk.....	800 00	850 00
	do .....	750 00	750 00
	Registration and Index Books.....	150 00	150 00
	Stationery and contingencies.....	100 00	100 00
	Shelves and fitting.....	600 00	100 00

III. ADMINISTRATION OF JUSTICE.—*Continued.*

No. of Vote.	SERVICES.	Salaries and Expenses.	
		1904.	1905.
19	<i>Land Titles Office—Continued.</i>		
	Master at Sault Ste. Marie.....	731 70	460 80
	do Parry Sound.....	658 80	546 60
	do Bracebridge.....	318 15	323 55
	do Port Arthur.....	204 70	153 90
	do North Bay.....	646 80	728 90
	do Rat Portage.....	1,050 50	501 88
	do Gore Bay.....	50 00	100 00
	do F. Francis.....	400 00	400 00
	Registry and Index books.....	300 00	400 00
	Forms and other contingencies.....	400 00	400 00
	Travelling expenses.....	200 00	200 00
	Rent of office at Sault Ste. Marie for Local Master.....	87 64	87 64
	<i>Books for Northern Division, Rainy River.....</i>	100 00	
	Transfer Registration Southern Divi- sion Books (re-vote).....	400 00	300 48
	<i>Drainage Trials Act—</i>		
	Salary of Referee.....	3,500 00	3,500 00
	Stenographer.....	900 00	900 00
	Contingencies.....	600 00	600 00
	<i>Criminal Justice, District of Algoma—</i>	150,617 29	153,267 75
	Sheriff's salary.....	1,400 00	1,400 00
	Clerk of the Peace and District Attor- ney.....	400 00	400 00
	Clerk of the District Court.....	600 00	600 00
	Magistrate at Sudbury.....	1,000 00	1,000 00
	Magistrate at Sault Ste. Marie...	1,400 00	600 00
	Magistrate at Michipicoten, etc.....	1,000 00	1,000 00
	Magistrate at Thessalon .....		400 00
	Travelling expenses of Police Magis- trate.....	300 00	300 00
	Administration of Justice, etc.....	9,010 00	9,010 00
	Salaries of Lock-up Keepers, Matrons, Turnkeys, Surgeons...	2,800 00	2,800 00
	Fuel for Gaol and Lock-ups...	515 00	515 00
	Lighting and Water.....	325 00	325 00
	General Maintenance, Gaol Clothing, Groceries, etc.....	2,350 00	2,350 00
	<i>District of Thunder Bay—</i>	21,100 00	20,700 00
	Sheriff's salary.....	1,000 00	1,000 00
	House, fuel and light.....	250 00	250 00
	Clerk of the District Court.....	450 00	450 00
	Chief Constable.....	400 00	400 00

## III. ADMINISTRATION OF JUSTICE.—Continued.

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
19	<i>District of Thunder Bay.</i> ---Continued.		
	Police Magistrate at Fort William and West, including expenses... ..	1,000 00	1,000 00
	Police Magistrate at Port Arthur and East, including expenses... ..	1,000 00	1,000 00
	Clerk of the Peace and District Attorney..... ..	250 00	250 00
	Administration of Justice, etc..... ..	4,600 00	4,600 00
	Salaries of Lock-up Keepers, Matrons, Turnkeys, Surgeons..... ..	3,000 00	3,000 00
	Fuel for gaol and lock-ups..... ..	600 00	600 00
	Lighting and water..... ..	300 00	300 00
	General maintenance, gaol clothing, groceries, etc..... ..	1,500 00	1,500 00
		14,350 00	14,350 00
	<i>District of Rainy River.</i> ---		
	Sheriff's salary..... ..	1,000 00	1,000 00
	Registrar and Clerk of District Court... ..	700 00	700 00
	Clerk of the Peace and District Attorney..... ..	250 00	250 00
	Police Magistrate..... ..	750 00	750 00
	Police Magistrate for Mining Districts	800 00	800 00
	Travelling Expenses..... ..	300 00	300 00
	Administration of Justice... ..	3,650 00	3,650 00
	Salaries of Lock-up Keepers, Matrons, Turnkeys and Surgeons... ..	3,900 00	3,900 00
Fuel for gaol and lock-ups... ..	450 00	450 00	
Lighting and water..... ..	200 00	200 00	
General maintenance, gaol clothing, groceries, etc..... ..	1,800 00	1,800 00	
	13,800 00	13,800 00	
<i>District of Nipissing.</i> ---			
Sheriff's salary..... ..	750 00	750 00	
Clerk of the Peace and District Attorney..... ..	250 00	250 00	
Clerk of the District Court..... ..	450 00	450 00	
Stipendiary Magistrate for Southern Nipissing, salary..... ..	1,600 00	1,600 00	
Stipendiary Magistrate for Northern Nipissing, salary..... ..	750 00	750 00	
Administration of Justice, etc..... ..	3,800 00	3,800 00	
Salaries of Lock-up Keepers, Matrons, Turnkeys and Surgeons..... ..	4,500 00	4,500 00	
Fuel for gaols and lock-ups..... ..	1,100 00	1,100 00	
Lighting and water..... ..	300 00	300 00	
General maintenance, gaol clothing, groceries, etc..... ..	2,800 00	2,800 00	
Salary and expenses of Special Constable..... ..	500 00	500 00	



III. ADMINISTRATION OF JUSTICE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
19	<i>District of Nipissing.</i> ---Continued.		
	Police Magistrate, Temiskaming Railway and settlements... ..	750 00	750 00
	do to cover travelling expenses....	350 00	350 00
		17,900 00	17,900 00
	<i>District of Muskoka</i> —		
	Sheriff's salary.....	500 00	500 00
	Clerk of the Peace and District Attor- ney.....	250 00	250 00
	Clerk of the District Court.....	450 00	450 00
	Police Magistrate's salary and travel- ling expenses.....	500 00	500 00
	Administration of Justice.....	5,675 00	5,675 00
	Salaries of Lock-up Keepers, Matrons, Turnkeys and Surgeons.....	900 00	900 00
	Fuel for gaol and lock-ups.....	150 00	150 00
	Lighting and water.....	75 00	75 00
	General maintenance, gaol clothing, groceries, etc.....	450 00	450 00
		8,950 00	8,950 00
	<i>District of Parry Sound</i> —		
	Sheriff's salary.....	500 00	500 00
	Police Magistrate.....	600 00	600 00
	Clerk of the Peace and District Attor- ney.....	250 00	250 00
	Clerk of the District Court.....	450 00	450 00
	Administration of Justice.....	4,550 00	4,550 00
	Salaries of Lock-up Keepers, Matrons, Turnkeys and Surgeons.....	1,500 00	1,500 00
	Fuel for gaols and lock-ups.....	500 00	500 00
	Lighting and water.....	100 00	100 00
	General maintenance, gaol clothing, groceries, etc.....	600 00	600 00
		9,050 00	9,050 00
	<i>Provisional County of Haliburton</i> —		
	Police Magistrate for Haliburton and points north, including expenses..	800 00	800 00
	Junior Judge, in lieu of travelling ex- penses holding courts.....	100 00	100 00
	Registrar of Deeds.....	200 00	200 00
	Administration of Justice.....	250 00	250 00
		1,650 00	1,650 00
	<i>District of Manitoulin</i> —		
	Sheriff.....	500 00	500 00
	Clerk of the Peace and District Attor- ney.....	250 00	250 00

III. ADMINISTRATION OF JUSTICE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
19	<i>District of Manitoulin.</i> ---Continued.		
	Salary of Registrar of Deeds and Master of Titles.....	600 00	600 00
	Salary of Clerk of District Court and Surrogate Court.....	450 00	450 00
	Administration of Justice.....	3,790 00	3,790 00
	Salaries of Lock-up Keepers, Matrons, Turnkeys and Surgeons....	800 00	800 00
	Fuel for gaol and lock-ups.....	235 00	235 00
	Lighting and water.....	25 00	25 00
	General maintenance, gaol clothing, groceries, etc.....	150 00	150 00
	<i>Provincial Police on Niagara and Detroit Rivers</i> —	6,800 00	6,800 00
	Administration of Justice.....	8,000 00	8,500 00
	Administration of Justice—Detroit River.....	3,500 00	3,500 00
	<i>Miscellaneous</i> —	11,500 00	12,000 00
	Crown Council prosecutions.....	8,000 00	8,000 00
	Administration of Criminal Justice.....	170,000 00	170,000 00
	Inspector of Legal Offices.....	2,000 00	2,000 00
	Clerk and Stenographer.....	1,200 00	1,200 00
	Travelling and other expenses...	700 00	700 00
	Salaries of Inspectors of Criminal Investigation.....	4,550 00	4,550 00
	Accident Insurance policies for the inspectors.....	105 00	105 00
	Special Services.....	2,000 00	2,000 00
	To pay Sheriffs, Criers and Constables in attending Courts of Assize, Chancery and County Courts, Deputy Clerks of the Crown and Pleas attending Assizes, and their postages, etc.....	7,500 00	7,500 00
	Seals and other contingencies.....	300 00	300 00
	Litigation of constitutional questions..	5,000 00	5,000 00
	Expenses of County Judges in grouped counties.....	1,200 00	1,200 00
	Judges travelling expenses <i>re</i> Ditches and Water courses Act.....	500 00	500 00
	Shorthand Reporters at the Assizes and Election Courts.....	11,300 00	11,300 00
	County Law Libraries (Circuit and County Judges).....	1,200 00	1,200 00
	Expenses incident to weekly court at London and Ottawa... ..	100 00	100 00
		215,655 00	215,655 00

III. ADMINISTRATION OF JUSTICE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1605.
19	Administration of Justice.— <i>Concluded.</i>		
	<i>Osgoode Hall Maintenance—</i>		
	Fuel and light.....	5,000 00	5,000 00
	Salaries of Engineer, Fireman and Caretaker.....	1,780 00	1,780 00
	New steps and railing to main entrance	500 00	500 00
	Water.....	2,500 00	2,500 00
	Furniture and Incidentals.....	470 00	470 00
	Fittings for vaults and offices.....	1,000 00	1,000 00
	Appliances for fire protection, hose, etc	500 00	950 00
	Repairs to roof of Boiler House.....		600 00
	To pay outstanding accounts of 1904..		1,928 00
		11,750 00	14,728 00
		483,122 29	488,850 75

## IV. EDUCATION.

*Amount to be voted, \$1,198,340.51*

20	Public and Separate School Education... ..	513,638 44	531,358 06
21	High School and Collegiate Institutes... ..	130,000 00	145,300 00
22	Departmental Library and Museum... ..	10,100 00	12,983 33
23	School of Practical Science.....	46,835 00	67,485 00
24	Public Libraries, Art Schools, Literary and Scientific.....	66,050 00	57,250 00
25	Technical Education.....	25,000 00	25,000 00
26	Superannuated Public and High School Teachers.....	63,300 00	63,300 00
27	Provincial University and Mining Schools.	133,880 98	195,632 12
28	Maintenance Education Department and Miscellaneous.....	13,487 81	14,700 00
	Transferred from Public Institutions M't'ce:		
29	Institution for the Deaf and Dumb, Belle- ville.....	50,609 00	50,503 00
30	Blind Institute, Brantford.....	34,624 00	34,829 00
20	Public and Separate School Education. (Details.)	1,087,525 23	1,198,340 51
	Aid from Municipalities Fund... ..	3,033 44	2,768 06
	Public and Separate Schools, old districts...	240,000 00	240,000 00
	Public and Separate Schools, new districts (including Poor Schools).....	60,000 00	65,000 00
	Kindergarten Schools.....	3,250 00	3,250 00
	Night Schools.....	250 00	250 00

EDUCATION.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
<b>20</b>	<b>Public and Separate School Education.</b>		
	Instruction in Agriculture and Horticulture in grouped rural schools.....	2,000 00	2,000 00
	Continuation Classes.....	20,000 00	20,000 00
	Model Schools (including reference books).	10,000 00	11,000 00
	French-English Training Schools... ..	800 00	800 00
	Teachers' Associations.....	3,000 00	3,000 00
	Inspection of Public and District Schools...	51,500 00	59,000 00
	Inspection of Separate Schools.....	5,100 00	5,100 00
	Inspection of Bilingual Schools... ..	1,700 00	2,200 00
	Inspection of Model Schools... ..	1,850 00	1,850 00
	Inspection of Technical Schools (from Technical Education).....		1,700 00
	Travelling expenses, Inspectors... ..	3,200 00	3,500 00
	Stationery, postage and incidentals ... ..	1,400 00	1,400 00
	Examiners for Departmental Examinations	21,000 00	20,000 00
	Paper, postage and supplies for Examiners and Assistants.....	3,050 00	3,050 00
	Clerk of Examinations... ..	1,000 00	1,000 00
	Assistant Clerk of Examinations (transferred from Education Department) .....		900 00
	Printer.....	850 00	850 00
	Clerk (transferred to Education Department) .....	800 00	
	Clerk and Secretary Board of Examiners (from Education Department, in part).	500 00	1,600 00
	Registrar Education Department... ..	1,800 00	1,800 00
	Stenographer (transferred to Education Department).....	450 00	
	Normal and Model Schools, Toronto. Details (a).....	28,545 00	29,380 00
	Normal and Model Schools, Ottawa. Details (b).....	32,760 00	33,210 00
	Normal and Model Schools, London. Details (c).....	15,800 00	16,750 00
	<b>(a) Normal and Model Schools, Toronto.</b>	<b>513,638 44</b>	<b>531,358 06</b>
	The Principal.....	2,500 00	2,500 00
	The Vice-Principal... ..	2,000 00	2,000 00
	Drawing Master.....	1,000 00	1,100 00
	French Master.....	300 00	300 00
	Music Master... ..	1,000 00	1,000 00
	Head Master of Model School.....	1,650 00	1,650 00
	Three assistants of Boys' Model School (4 for 1905).....	4,200 00	4,275 00
	Head Mistress of Girls' Model School.....	1,000 00	1,000 00
	Four Assistants of Girls' Model School .....	3,275 00	3,150 00



IV. EDUCATION.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
<b>20</b>	<b>Normal and Model Schools, Toronto.—<i>Con.</i></b>		
	Instructor in Calisthenics for Girls' Model School.....	500 00	500 00
	Instructor in Sewing.....	500 00	500 00
	Director of Kindergarten.....	1,000 00	1,000 00
	Assistant Director of Kindergarten.....	600 00	600 00
	Instructor of Manual Training.....	1,100 00	1,100 00
	Instructor of Household Science.....	600 00	600 00
	Head Gardener.....	600 00	600 00
	Assistant Gardener.....	450 00	450 00
	First Engineer.....	750 00	750 00
	Second Engineer.....	500 00	500 00
	Laborer, on grounds (2) one formerly paid from Maintenance).....	450 00	900 00
	Janitor of Normal School (including cleaning (2)).....	810 00	870 00
	Janitor of Boys' Model School (including cleaning).....	450 00	475 00
	Janitor of Girls' Model School (including Cleaning).....	360 00	360 00
	Reference books and pictures.....	200 00	200 00
	Stationery, apparatus, chemicals and contingencies.....	1,000 00	1,250 00
	Text Books for Model School pupils.....	600 00	600 00
	Supplies for Kindergarten.....	150 00	150 00
	Domestic and Sanitary Science and supplies	1,000 00	1,000 00
	<b>(b) Normal and Model Schools, Ottawa.</b>	<b>28,545 00</b>	<b>29,380 00</b>
	The Principal.....	2,350 00	2,400 00
	Vice-Principal.....	2,000 00	2,000 00
	Drawing Master.....	1,000 00	1,000 00
	French Master.....	600 00	600 00
	Music Master.....	1,000 00	1,000 00
	Drill Instructor.....	200 00	200 00
	Head Master of Boys' Model School.....	1,550 00	1,550 00
	Three assistants of Boys' Model School.....	3,000 00	3,000 00
	Head Mistress of Girls' Model School.....	1,000 00	1,000 00
	Three Assistants of Girls' Model School ...	2,200 00	2,100 00
	Instructor of Calisthenics for Girls' Model School.....	750 00	750 00
	Director of Kindergarten.....	1,000 00	1,000 00
	Assistant Director of Kindergarten.....	600 00	600 00
	Instructor of Manual Training.....	1,000 00	1,000 00
	Instructor of Household Science.....	600 00	600 00
	Instructor of Sewing (including arrears).....		500 00
	First Engineer and Gardener.....	650 00	650 00
	Second Engineer and Gardener.....	500 00	500 00
	Laborer on grounds.....	400 00	400 00
	Janitor Normal School (including cleaning)	500 00	500 00

IV. EDUCATION.—*Continued.*

No. of Vote.	SERVICE	Salaries and Expenses.	
		1904.	1905.
<b>20</b>	<b>Normal and Model Schools, Ottawa.—<i>Con.</i></b>		
	Caretaker.....	760 00	760 00
	Nightwatchman and fireman... ..	450 00	450 00
	Reference Books and pictures.....	200 00	200 00
	Stationery, apparatus, chemicals and supplies.....	1,000 00	1,000 00
	Text books for Model School pupils.....	600 00	600 00
	Supplies for Kindergarten... ..	150 00	150 00
	Domestic and Sanitary Science and supplies	1,000 00	1,000 00
	<i>Maintenance.</i>		
	Expenses of grounds.....	400 00	400 00
	Fuel and light... ..	4,000 00	4,000 00
	Water... ..	1,000 00	1,000 00
	Furniture, incidentals, snow-cleaning, etc.	1,800 00	1,800 00
	Improvement of grounds, etc... ..	500 00	500 00
		32,760 00	33,210 00
	<b>(c) Normal and Model Schools, London.</b>		
	The Principal... ..	2,500 00	2,500 00
	The Vice-Principal... ..	1,950 00	2,000 00
	Drawing and Writing Master.....	250 00	250 00
	Music Master.....	250 00	250 00
	Kindergarten Teacher... ..	100 00	100 00
	Drill, Gymnastics and Calisthenics.....	150 00	150 00
	Instructor Manual Training... ..	1,000 00	1,000 00
	Instructor Household Science... ..	350 00	350 00
	Stenographer and Clerk... ..	450 00	450 00
	Engineer.....	600 00	600 00
	Caretaker.....	400 00	400 00
	Gardener.....	500 00	500 00
	Stationery, apparatus, chemicals and supplies.....	1,200 00	1,200 00
	Special Apparatus... ..	.....	600 00
	Reference books and pictures.....	400 00	400 00
	Payment to London School Board ... ..	1,500 00	1,500 00
	Supplies for Manual Training and Domestic Science.....	500 00	500 00
	<i>Maintenance.</i>		
	Fuel, light, etc.....	2,000 00	2,000 00
	Water.....	500 00	500 00
	Furniture, incidentals, etc. ... ..	500 00	500 00
	Expenses of grounds, trees, etc.....	700 00	500 00
	Scrubbing, cleaning, cartage, etc... ..	.....	500 00
		15,800 00	16,750 00

IV. EDUCATION.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
<b>21</b>	<b>High Schools and Collegiate Institutes.</b>		
	High Schools and Collegiate Institutes, including districts... ..	107,000 00	110,000 00
	Military instruction, Cadet corps... ..	2,700 00	2,800 00
	Purchase of sub-targets for Cadet Corps under contract of 1904... ..		12,500 00
	Two Inspectors of High Schools... ..	5,500 00	5,500 00
	Travelling expenses... ..	800 00	1,000 00
	Stationery, postage and incidentals.....	800 00	800 00
	Principal Ontario Normal College... ..	3,000 00	3,000 00
	Vice-Principal.....	500 00	500 00
	Instructor Manual Training.....	1,000 00	1,000 00
	Instructor Household Science.....	600 00	600 00
	Clerical Services.....	250 00	250 00
	Printing and examinations.....	1,000 00	500 00
	Supplies for Manual Training and Domestic Science.....	1,000 00	1,000 00
	Grant to Normal College.....	4,500 00	4,500 00
	Contingencies and Library .....	350 00	350 00
	For special services, partly arrears.....	1,000 00	1,000 00
		130,000 00	145,300 00
<b>22</b>	<b>Departmental Library and Museum.</b>		
	Librarian and Historiographer .....	2,000 00	.....
	Historiographer... ..		2,000 00
	Librarian (from Education Department) .....		1,500 00
	Superintendent of Museum .....	1,100 00	1,500 00
	Assistant Librarian .....	550 00	550 00
	Clerk .....	800 00	800 00
	Stenographer (paid previously from Expenses) .....		450 00
	Postage and stationery .....	100 00	100 00
	Incidentals and purchases .....	650 00	600 00
	Binding books and periodicals .....	200 00	200 00
	Educational and technical books for reference .....	500 00	600 00
	Binding pamphlets, Library .....	200 00	100 00
	Museum, Archæological researches and collections .....	2,000 00	2,500 00
	Natural History collection, cases and supplies .....	1,000 00	1,000 00
	Services Dr. Brodie arranging collection, and arrears .....	1,000 00	1,083 33
		10,100 00	12,983 33

IV. EDUCATION.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
23	School of Practical Science.	1904.	1905.
	(Revenue 1904, \$28,516.60.)		
	Professor of Engineering and Principal.....	3,200 00	3,200 00
	do Geology.....	2,100 00	2,200 00
	do Applied Chemistry.....	1,900 00	2,000 00
	do Surveying.....	2,000 00	2,100 00
	do Architecture.....	2,000 00	2,100 00
	do Electrical Engineering.....	2,000 00	2,100 00
	Lecturer in Applied Mechanics.....	1,300 00	1,400 00
	do Mining (Professor).....	1,700 00	1,800 00
	do Mechanical Engineering.....	1,400 00	1,500 00
	do Applied Chemistry.....	1,300 00	1,400 00
	do Physics.....		1,200 00
	Demonstrator in Mechanical Engineering (Lecturer).....	900 00	1,200 00
	do Electrical Engineering (Lec- turer).....	900 00	1,200 00
	do Chemistry.....	700 00	700 00
	do Applied Mechanics (Lecturer)	700 00	1,200 00
	do Drawing (Lecturer).....	700 00	1,200 00
	do Electricity.....		700 00
	do Mining.....		700 00
	do Chemistry.....		700 00
	Eleven Fellows.....	5,500 00	
	Fifteen Fellows.....		7,500 00
	Registrar and Librarian.....	1,300 00	1,400 00
	Stenographer.....	350 00	400 00
	Messenger.....	150 00	150 00
	Attendant in Chemistry.....	600 00	700 00
	do Metallurgy.....	410 00	410 00
	do Drafting Room.....	300 00	350 00
	do Electrical Laboratory.....	300 00	300 00
	do Mining.....	300 00	350 00
	do Chemical Laboratory.....		300 00
	Caretaker (Engineering Building).....	800 00	900 00
	Attendant.....		300 00
	Messenger.....		150 00
	Caretaker (Chemistry and Mining Building)		800 00
	Engineer and Machinist (Engineering Building).....	900 00	1,200 00
	Assistant in Mechanical Laboratory.....	500 00	500 00
	Fireman and Stoker (Engineering Build- ing).....	450 00	600 00
	Fireman (Experimental Steam Plant).....		400 00
	Chief Engineer (Chemistry and Mining Building).....		1,200 00
	Assistant Engineer (Chemistry and Mining Building).....		800 00



## IV. EDUCATION.—Continued.

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
<b>23</b>	<b>School of Practical Science.—Continued.</b>		
	Fireman (3) (Chemistry and Mining Building) .....		1,200 00
	Carpenter .....	700 00	750 00
	Chemical Laboratory .....	1,200 00	1,500 00
	Electrical do .....	500 00	700 00
	Assaying do .....	500 00	800 00
	Engineering do .....	500 00	900 00
	Surveying do .....	300 00	300 00
	Architecture .....	500 00	500 00
	Physics .....		300 00
	Printing, Advertising and Incidentals .....	2,500 00	2,500 00
	<i>Maintenance.</i>		
	Gas .....	350 00	600 00
	Fuel .....	1,400 00	5,000 00
	Water .....	250 00	300 00
	Electrical Current .....	400 00	400 00
	Furniture and incidentals .....	500 00	500 00
	Ground Rent .....	925 00	925 00
	General Repairs, Drains, Walks, etc .....	1,200 00	3,000 00
	Drafting Tables .....	450 00	
<b>24</b>	<b>Public Libraries, Art Schools, Literary and Scientific.</b>	46,835 00	67,485 00
	Superintendent Public Libraries .....	1,700 00	1,700 00
	Clerk do .....	850 00	850 00
	Public Libraries .....	50,000 00	40,000 00
	Grant in Aid Reading Camps .....	500 00	500 00
	Travelling and rural school libraries .....	4,000 00	6,000 00
	Art Schools and Art Museum expenses .....	2,800 00	2,500 00
	Ontario Society of Artists .....	800 00	800 00
	Canadian Institute, Toronto .....	1,500 00	1,500 00
	Institute Canadien, Ottawa .....	400 00	400 00
	Ottawa Field Naturalist's and Scientific Societies .....	900 00	900 00
	Hamilton Scientific Association .....	400 00	400 00
	Astronomical Society, Toronto .....	300 00	300 00
	Provincial Historical Association (Ontario Historical Society) .....	600 00	600 00
	Lundy's Lane Historical Society .....	200 00	200 00
	Branch Associations (3) .....	300 00	300 00
	Women's Canadian Historical Society .....	100 00	100 00
	Middlesex and London Historical Society .....	100 00	100 00
	Special grant to Niagara Historical Society .....	500 00	
	Wellington Field Naturalists' Society .....	100 00	100 00
		66,050 00	57,250 00

EDUCATION.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
<b>25</b>	<b>Technical Education.</b>		
	Technical Education, including grants, Summer schools, equipment, books, printing and other expenses... ..	25,000 00	25,000 00
<b>26</b>	<b>Superannuated Teachers.</b>		
	Annual retiring allowance to Teachers and Inspectors... ..	63,000 00	63,000 00
	Medical examination fees, printing, paper and incidentals.....	300 00	300 00
<b>27</b>	<b>Provincial University and Mining Schools.</b>	63,300 00	63,300 00
	University College—Ladies' Department...	600 00	600 00
	Agricultural Examination — University Degree B.S.A....	425 00	425 00
	Printing University Historical, Economic and other papers... ..	600 00	600 00
	Statutory Grant to University (60 Vic., cap. 59).....	7,000 00	7,000 00
	Grant from the sale of lands... ..	2,014 76	1,647 72
	University of Toronto (Sec. 16, cap, 41. I, Edw. VII.).....	42,449 50	48,013 33
	University of Toronto (unpaid balance 1903-4, re-vote).....		2,433 19
	University of Toronto, estimated deficit... ..	33,791 72	46,090 34
	do (unpaid deficit 1903-4, re-vote) ... ..		30,207 54
	do Botanical Collection (Macoun) ... ..		400 00
	do Books from Kurschner's Collection and Historical Papers ... ..		1,215 00
	School of Mining, Kingston... ..	37,000 00	37,000 00
	Convocation Hall, University of Toronto..	10,000 00	10,000 00
	Ottawa University on account of fire... ..		10,000 00
<b>28</b>	<b>Maintenance Education Department and Miscellaneous.</b>	133,880 98	195,632 12
	Furniture and furnishings... ..	600 00	600 00
	Scrubbing, cleaning and supplies (Education Dept. and Toronto N. School) ... ..		500 00
	Expenses of grounds... ..	1,000 00	1,200 00
	Fuel and light.....	3,500 00	4,000 00
	Water.....	1,000 00	1,000 00

EDUCATION.—*Continued.*

No. of Vote	SERVICE	Salaries and Expenses.	
		1904.	1905
	<b>Education Department.</b> — <i>Continued.</i>		
	Repairs, etc.....	1,950 00	2,000 00
	Carpenter... ..	600 00	600 00
	For proportion of cost of Minister's Report	1,000 00	1,500 00
	High and Public School Registers.....	1,500 00	1,500 00
	Printing Documentary History of Educa- tion.....	700 00	700 00
	Supplying School Act to Trustees, and con- tingencies... ..	700 00	700 00
	Cost of Investigations (special law costs etc.)... ..	637 81	400 00
	Dominion Teachers' Association... ..	300 00	.....
<b>29</b>	<b>Institution for the Deaf and Dumb, Belleville, Ontario.</b>	13,487 81	14,700 00
	(Transferred from Public Institution Maintenance.)		
	(230 pupils.)		
	<i>Salaries.</i>		
	Superintendent and Principal... ..	1,900 00	1,900 00
	Physician.....	600 00	600 00
	Bursar.....	1,000 00	1,000 00
	Matron and Housekeeper... ..	500 00	500 00
	Teachers—Literary Department (15) .....	10,350 00	10,400 00
	Instructor Manual Training and Teacher... ..	650 00	600 00
	Teacher Domestic Science... ..	400 00	400 00
	Storekeeper, Clerk and Assistant Supervisor	600 00	600 00
	Engineer.....	600 00	600 00
	Stoker.....	300 00	300 00
	Farmer and Gardener... ..	450 00	450 00
	Teamster... ..	264 00	264 00
	Baker and Meat Cook... ..	450 00	450 00
	Night Watchman and Stoker.....	324 00	324 00
	Foreman Carpenter and Assistant (2)... ..	775 00	775 00
	Foreman Shoemaker... ..	480 00	480 00
	Printing Instructor... ..	550 00	550 00
	Messenger.....	216 00	216 00
	Cook... ..	204 00	204 00
	Small Boys' and Girls' Nurses (2)... ..	336 00	336 00
	Laundresses, Assistant Cooks, Housemaids, etc. (15).....	2,195 00	2,304 00
	Supervisor of Boys... ..	500 00	500 00
	Instructress in Sewing and Supervisor of Girls... ..	350 00	350 00
	Stenographer and Clerk.....	400 00	400 00

## EDUCATION—Continued.

No. of Vote.	SERVICE	Salaries and Expenses.	
		1904	1905
<b>29</b>	<b>Deaf and Dumb, Belleville, Ont.—Continued.</b>		
	Trained Nurse.....	365 00	400 00
	Temporary Assistance.....	150 00	150 00
	<i>Expenses.</i>		
		24,909 00	25,103 00
	Medicine and medical comforts... ..	200 00	300 00
	Butchers' meat, fish and fowl... ..	3,250 00	3,350 10
	Flour, bread, etc.....	1,500 00	1,500 00
	Butter and Milk.....	2,400 00	2,400 01
	Groceries.....	2,000 00	2,400 00
	Fruit and vegetables.....	600 00	600 00
	Bedding, clothing and shoes.....	700 00	700 00
	Lighting... ..	1,000 00	1,050 00
	Fuel.....	6,750 00	6,750 00
	Laundry, soap and cleaning.....	650 00	650 00
	Furniture and furnishings... ..	650 00	650 00
	Farm, feed and fodder.....	650 00	650 00
	Repairs and alterations, ordinary.....	900 00	900 00
	Advertising, Stationery, Printing, Postage	600 00	600 00
	Books apparatus and appliances.....	650 00	600 00
	Unenumerated and Miscellaneous... ..	1,000 00	1,000 00
	Sewage works, Chemicals, etc.....	500 00	400 00
	Water supply, under contract... ..	900 00	900 00
	<i>Extra expense, Nurses, etc.</i> .....	1,000 00	.....
		50,609 00	50,503 00
<b>30</b>	<b>Blind Institution, Brantford.</b>		
	(110 pupils.)		
	(Transferred from Public Institutions Maintenance.)		
	<i>Salaries.</i>		
	Principal.....	1,800 00	1,800 00
	Assistant Principal... ..	1,200 00	1,200 00
	Physician.....	500 00	500 00
	Bursar and Storekeeper.....	1,100 00	1,100 00
	Matron... ..	450 00	450 00
	Teachers (11)... ..	4,900 00	4,850 00
	Trade Instructor.....	1,100 00	1,100 00
	Supervisor of Boys.....	.....	400 00
	Visitor's Attendant.....	167 00	168 00
	Carpenter.....	450 00	450 00
	Engineer.....	600 00	600 00
	Assistant Engineer... ..	475 00	475 00
	Fireman in Winter, farm hand in Summer.	360 00	375 00



EDUCATION—*Concluded.*

No. of Vote.	SERVICE	Salaries and Expenses.	
		1904.	1905.
<b>30</b>	<b>Blind Institute, Brantford.—<i>Continued.</i></b>		
	Farmer and Gardener.....	500 00	500 00
	Teamster.....	350 00	350 00
	Porter and Messenger.....	260 00	260 00
	Baker.....	425 00	425 00
	Cooks (2).....	344 00	348 00
	Maids (10).....	1,298 00	1,300 00
	Laundresses (3).....	510 00	508 00
	Nurses (2).....	550 00	550 00
	Night Watchman.....	375 00	360 00
	Temporary assistance.....	350 00	350 00
	<i>Expenses.</i>	18,064 00	18,419 00
	Medicine and medical comforts.....	200 00	200 00
	Butchers' meat, fish and fowl.....	1,700 00	1,600 00
	Flour, bread and biscuits.....	600 00	500 00
	Butter and lard.....	1,100 00	1,100 00
	General groceries.....	1,400 00	1,400 00
	Fruits and vegetables.....	300 00	300 00
	Bedding, clothing and shoes.....	600 00	500 00
	Fuel.....	4,000 00	3,800 00
	Electric light and gas.....	800 00	800 00
	Laundry, soap and cleaning.....	350 00	350 00
	Furniture and furnishings.....	500 00	800 00
	Farm, feed and fodder.....	900 00	900 00
	Repairs and alterations.....	1,000 00	1,000 00
	Advertising, printing, stationery, postage..	600 00	800 00
	Books, apparatus and appliances.....	800 00	800 00
	Unenumerated.....	1,000 00	1,000 00
	Pupils' sittings at the churches.....	200 00	100 00
	Rent and hydrants.....	160 00	160 00
	Water supply.....	350 00	300 00
		34,624 00	34,829 00

V. PUBLIC INSTITUTIONS MAINTENANCE.

*Amount to be Voted \$94,327.00.*

31	Asylum for Insane, Toronto.....	112 987 00	115 406 00
32	do London.....	141 104 00	146 485 00
33	do Kingston.....	88 361 00	92 809 00
34	do Hamilton.....	131 018 00	134 875 00
35	do Mimico.....	79 806 00	83 110 00
36	do Brockville.....	88 571 00	92 369 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No of Vote.	SERVICE.	Salaries and Expenses.	
37	Asylum for Insane, Cobourg.....	27 211 00	26 622 00
38	do Penetanguishene.....	38 250 00	42 984 00
39	do Orillia.....	77 432 00	76 852 00
40	do Woodstock.....	.....	18 020 00
41	Medical Relieving Officer.....	1 000 00	1 000 00
42	Central Prison, Toronto.....	66 000 00	68 800 00
43	Mercer Reformatory, Toronto.....	31 475 00	31 995 00
	<i>Institution for the Deaf and Dumb.....</i>		
	<i>(Transferred to Education Dept.)</i>		
	<i>Institution for the Blind.....</i>		
	<i>(Transferred to Education Dept.)</i>		
		883 215 00	931 327 00
<b>31</b>	<b>Asylum for the Insane Toronto.</b>		
	(745 Patients.)		
	<i>Salaries.</i>		
	Medical Superintendent.....	2 000 00	2 000 00
	Assistant Superintendent.....	1 300 00	1 300 00
	Second Assistant.....	1 050 00	1 050 00
	Bursar (besides allowance for rent).....	1 400 00	1 400 00
	Bursar's Clerk.....	950 00	1 000 00
	Steward.....	750 00	850 00
	Storekeeper.....	1 000 00	900 00
	Engineer.....	840 00	800 00
	Stokers (3).....	976 00	988 00
	Engine Driver for laundry.....	360 00	360 00
	Bricklayer and Mason.....	625 00	625 00
	Carpenters (2).....	1 150 00	1 150 00
	Gardener.....	532 00	532 00
	Assistant Gardener.....	400 00	400 00
	Porter.....	276 00	288 00
	Baker.....	450 00	450 00
	Assistant Baker.....	250 00	250 00
	Butcher.....	.....	276 00
	Tailor.....	550 00	550 00
	Teamster and Messenger.....	276 00	288 00
	Night Watchers (4).....	1 092 00	1 128 00
	Supervisors (8).....	2 820 00	2 832 00
	Chief Attendants (2).....	850 00	850 00
	Ordinary Male Attendants (18).....	5 532 00	4 788 00
	Painter and Jobber.....	575 00	575 00
	Attendant Tradesman.....	550 00	550 00
	Stenographer.....	225 00	250 00
	Matron.....	500 00	500 00
	Assistant Matron.....	300 00	300 00
	Supervisors (8).....	1 728 00	1 728 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
<b>3 1</b>	<b>Asylum for Insane, Toronto—</b> <i>Continued.</i>		
	Ordinary Attendants (20).....	3 774 00	3 144 00
	Night Attendants (4).....	696 00	660 00
	Trained Nurse.....	240 00	240 00
	Musical Instructress.....	240 00	240 00
	Cooks (6) .....	972 00	972 00
	Laundresses (7).....	1 164 00	1 248 00
	Housemaids (3).....	432 00	432 00
	Seamstress.....	168 00	168 00
	Dairymaid.....	144 00	144 00
	<i>Expenses.</i>	37,137 00	36 206 00
	Medicine and medical comforts.....	800 00	800 00
	Fuel.....	12 000 00	13 000 00
	Butchers' meat, fish and fowl.....	17 000 00	17 000 00
	Flour, meal, etc.....	4 000 00	5 000 00
	Butter.....	6 000 00	6 000 00
	Gas, oil and electricity.....	3 600 00	4 000 00
	Water supply.....	3 500 00	3 500 00
	Groceries.....	8 700 00	9 400 00
	Fruit and Vegetables.....	3 000 00	3 000 00
	Bedding, clothing and shoes.....	4 500 00	5 000 00
	Furniture and furnishings.....	2 000 00	1 500 00
	Laundry, soap and cleaning.....	1 500 00	1 800 00
	Farm and garden.....	550 00	500 00
	Feed and fodder.....	3 600 00	3 600 00
	Miscellaneous.....	1 700 00	1 700 00
	Repairs and alterations.....	2 500 00	2 500 00
	Printing, postage and stationery.....	900 00	900 00
		112 987 00	115 406 00
<b>32</b>	<b>Asylum for the Insane, London.</b>		
	(1,078 patients).		
	<i>Salaries.</i>		
	Medical Superintendent.....	2 000 00	2 000 00
	First Assistant Physician.....	1 300 00	1 300 00
	Second Assistant Physician.....	1 100 00	1 100 00
	Third Assistant Physician.....	950 00	1 000 00
	Bursar.....	1 400 00	1 400 00
	Bursar's Clerk .....	800 00	800 00
	Storekeeper (including allowance for rent)	1 000 00	1 000 00
	Assistant Storekeeper.....	600 00	600 00
	Engineer.....	740 00	740 00
	Assistant Engineer.....	400 00	400 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904	1905
32	Asylum for Insane, London--- <i>Continued:</i>		
	<i>Salaries—Continued.</i>		
	Second Assistant Engineer (including allowance for rent).....	420 00	420 00
	Engineer (Infirmiry).....	360 00	360 00
	Stokers (7).....	2 000 00	1 860 00
	Bricklayer and plasterer.....	600 00	600 00
	Carpenters (2).....	1 050 00	1 050 00
	Tailor.....	460 00	460 00
	Painter.....	420 00	420 00
	Gardener and steward.....	750 00	750 00
	Assistant Gardeners (2).....	600 00	600 00
	Sewage-man.....	384 00	384 00
	Butcher (without board).....	360 00	360 00
	Yardman.....	264 00	276 00
	Porter and Messenger.....	240 00	240 00
	Baker.....	350 00	450 00
	Assistant Baker.....	216 00	216 00
	Farmer.....	650 00	650 00
	Ploughman (2).....	540 00	564 00
	Farm Night Watchman.....	264 00	276 00
	Chief Attendants (3).....	1 200 00	1 200 00
	Supervisors (8).....	2 604 00	2 664 00
	Ordinary Male Attendants (32).....	8 365 00	8 312 00
	Bandmaster and Supervisor.....	360 00	360 00
	Cowman and Dairyman.....	276 00	288 00
	Laundryman.....	300 00	300 00
	Shoemaker.....	300 00	300 00
	Matron.....	500 00	500 00
	Assistant Matron.....	300 00	300 00
	Chief Attendant.....	250 00	250 00
	Trained Nurse.....	240 00	240 00
	Supervisors (8).....	1 596 00	1 632 00
	Ordinary Female Attendants (36).....	4 988 00	5 724 00
	Night Attendants (3).....	540 00	540 00
	Cooks and Assistant Cooks (7).....	1 200 00	1 200 00
	Laundresses (4).....	720 00	732 00
	Housemaids (6).....	888 00	888 00
	Dairymaid.....	144 00	144 00
	Tailoress and Seamstress (2).....	360 00	360 00
	Typewriter and Portress (2).....	325 00	395 00
	Housekeeper (Infirmiry).....	180 00	180 00
		45 854 00	46 785 00



V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	S E R V I C E .	Salaries and Expenses.	
<b>32</b>	Asylum for Insane, London— <i>Continued.</i>	1904.	1905
	<i>Expenses.</i>		
	Medicine and medical comforts.....	1,200 00	1,200 00
	Fuel.....	19,000 00	22,000 00
	Butchers' meat, fish and fowl.....	16,500 00	16,500 00
	Flour.....	6,500 00	8,500 00
	Butter.....	7,500 00	7,500 00
	Gas and oil.....	3,000 00	3,500 00
	Groceries.....	12,000 00	12,000 00
	Fruit and vegetables.....	1,000 00	1,000 00
	Bedding, clothing and shoes.....	13,000 00	12,000 00
	Furniture and furnishings.....	3,150 00	3,000 00
	Laundry, soap and cleaning.....	2,500 00	2,500 00
	Farm and Garden.....	2,000 00	2,000 00
	Feed and Fodder.....	1,200 00	1,000 00
	Miscellaneous.....	1,500 00	1,500 00
	Repairs and alterations.....	4,000 00	4,000 00
	Printing, postage and stationery.....	1,200 00	1,500 00
<b>33</b>	Asylum for the Insane, Kingston.	141,104 00	146,485 00
	(626 Patients.)		
	<i>Salaries.</i>		
	Medical Superintendent.....	2,000 00	2,000 00
	Assistant Physician.....	1,300 00	1,300 00
	Second Assistant Physician.....	1,000 00	1,000 00
	Bursar (with allowance for rent).....	1,200 00	1,200 00
	Clerk (including \$100 for rent).....	850 00	850 00
	Steward.....	600 00	600 00
	Storekeeper.....	800 00	800 00
	Engineer.....	740 00	740 00
	Assistant Engineer.....	350 00	360 00
	Carpenter.....	550 00	550 00
	Baker.....	450 00	450 00
	Tailor.....	500 00	500 00
	Chief Attendant.....	400 00	400 00
	Supervisors (7).....	2,340 00	2,388 00
	Attendants (20).....	5,338 00	5,956 00
	Night Watchers (2).....	540 00	564 00
	Farmer.....	550 00	550 00
	Gardener.....	475 00	475 00
	Butcher.....	300 00	300 00
	Stokers (4).....	1,200 00	1,200 00
	Laundryman.....	290 00	300 00
	Stableman and Messenger.....	240 00	240 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
33	Asylum for the Insane, Kingston—= <i>Continued</i>		
	<i>Salaries—Concluded.</i>		
	Night Sewage man.....	240 00	240 00
	Matron.....	500 00	500 00
	Assistant Matron.....	300 00	300 00
	Supervisor Leahurst.....		250 00
	Trained Nurse for Infirmary.....	240 00	240 00
	Musical Instructress.....	192 00	192 00
	Seamstress.....	156 00	144 00
	Supervisors (6).....	936 00	972 00
	Attendants (16).....	2,512 00	2,424 00
	Portress.....	144 00	144 00
	Cooks (2).....	360 00	396 00
	Laundresses (2).....	408 00	396 00
	Servants, Dairymaid, etc., (4).....	760 00	588 00
	<i>Expenses</i>	28,761 00	29,509 00
	Medicines.....	800 00	800 00
	Butchers' meat, fish and fowl.....	11,500 00	12,500 00
	Butter.....	4,300 00	4,300 00
	Flour, bread, etc.....	4,600 00	4,500 00
	Fuel.....	13,000 00	13,000 00
	Gas and oil.....	500 00	500 00
	Groceries.....	7,000 00	7,000 00
	Fruit and vegetables.....	2,100 00	2,600 00
	Bedding, clothing and shoes.....	5,000 00	5,500 00
	Furniture and furnishings.....	2,000 00	3,500 00
	Laundry, soap and cleaning.....	1,300 00	1,300 00
	Printing, postage and stationery.....	1,000 00	1,100 00
	Farm and garden.....	1,500 00	1,200 00
	Feed and fodder.....	1,500 00	1,500 00
	Repairs.....	2,000 00	2,000 00
	Miscellaneous.....	1,500 00	2,000 00
34	Asylum for the Insane, Hamilton.	88,361 00	92,809 00
	(1,058 patients.)		
	<i>Salaries.</i>	1904.	1905.
	Medical Superintendent.....	2,000 00	2,000 00
	Assistant ".....	1,300 00	1,300 00
	Second Assistant Physician.....	1,100 00	1,100 00
	Third Assistant Physician.....	950 00	950 00
	Bursar.....	1,400 00	1,400 00
	Bursar's Clerk.....	850 00	900 00
	Storekeeper (including allowance).....	1,050 00	1,050 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
<b>34</b>	<b>Asylum for the Insane, Hamilton—<i>Con.</i></b>		
	<i>Salaries—Concluded.</i>		
	Assistant Storekeeper.....	600 00	600 00
	Engineer.....	550 00	550 00
	Assistant Engineer at pump house.....	500 00	500 00
	Second ".....	300 00	300 00
	Stokers (5).....	1,308 00	1,332 00
	Carpenters (2).....	1,050 00	1,050 00
	Baker.....	450 00	450 00
	Assistant Baker.....	.....	350 00
	Gardener.....	500 00	500 00
	Assistant Gardener.....	360 00	360 00
	Porter and Gatekeeper.....	325 00	325 00
	Chief Attendant.....	850 00	850 00
	Night Watches.....	1,325 00	.....
	Supervisors (9).....	2,892 00	2,976 00
	Male Attendants (25).....	6,596 00	6,636 00
	Tailor.....	550 00	550 00
	Farmer.....	600 00	600 00
	Butcher (without board).....	360 00	360 00
	Plowman.....	300 00	300 00
	Messenger and Stableman (2).....	480 00	504 00
	Farm hand.....	240 00	264 00
	Laundryman.....	390 00	390 00
	Shoemaker.....	300 00	300 00
	Plowman.....	264 00	288 00
	Matron.....	500 00	500 00
	Assistant Matron.....	300 00	300 00
	Second Assistant Matron.....	240 00	240 00
	Chief Attendant (1).....	240 00	240 00
	Trained Nurse.....	240 00	240 00
	Supervisors (10).....	2,028 00	2,076 00
	Ordinary Female Attendants (27).....	4,394 00	4,236 00
	Night Watches.....	864 00	.....
	Cooks (8).....	1,404 00	1,452 00
	Laundresses (4).....	708 00	696 00
	Housemaids (4).....	576 00	576 00
	Seamstresses (2).....	384 00	384 00
	Stenographer.....	400 00	400 00
		42,018 00	40,375 00
	<i>Expenses.</i>		
	Medicines and medical comforts.....	1,000 00	1,000 00
	Fuel.....	20,000 00	23,000 00
	Butchers' meat, fish and fowl.....	14,500 00	14,500 00
	Flour, bread, etc.....	6,800 00	7,300 00
	Butter.....	8,000 00	8,000 00
	Lighting.....	4,000 00	4,000 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote:	SERVICE.	Salaries and Expenses.	
<b>34</b>	<b>Asylum for the Insane, Hamilton.—<i>Con.</i></b>	1904.	<b>1905</b>
	<i>Expenses—Continued.</i>		
	Groceries.....	10,000 00	10,000 00
	Fruit and vegetables.....	1,000 00	1,500 00
	Bedding, clothing and shoes.....	7,000 00	7,000 00
	Laundry, soap and cleaning.....	1,700 00	1,700 00
	Furniture and furnishings.....	2,500 00	2,500 00
	Farm and garden.....	2,000 00	2,000 00
	Feed and fodder.....	1,000 00	1,000 00
	Repairs and alterations.....	2,800 00	2,800 00
	Miscellaneous.....	1,500 00	1,500 00
	Water Supply.....	4,000 00	5,500 00
	Printing, postage and stationery.....	1,200 00	1,200 00
		131,018 00	134,875 00
<b>35</b>	<b>Asylum for Insane, Mimico.</b>		
	(640 patients).		
	<i>Salaries.</i>		
	Medical Superintendent.....	2,000 00	2,000 00
	Assistant Physician.....	1,300 00	1,300 00
	2nd do .....	900 00	900 00
	Bursar (with allowance for rent).....	1,300 00	1,300 00
	Bursar's Clerk.....	650 00	650 00
	Storekeeper.....	750 00	750 00
	Steward.....	700 00	700 00
	Farmer and Assistant.....	764 00	800 00
	Engineer at main building.....	600 00	600 00
	Engineer at pump house.....	500 00	500 00
	Assistant Engineer.....	360 00	360 00
	Electrician.....	.....	360 00
	Attendant at sewage works.....	276 00	288 00
	Carpenter.....	450 00	360 00
	Jobber and Carpenter.....	180 00	240 00
	Bricklayer and Mason.....	500 00	500 00
	Baker.....	450 00	450 00
	Shoemaker.....	350 00	350 00
	Firemen (4).....	900 00	1,116 00
	Male Supervisors (6).....	2,172 00	2,256 00
	Male Attendants (17).....	4,220 00	4,068 00
	Gardener.....	500 00	500 00
	Night Watches (2).....	504 00	540 00
	Messenger.....	300 00	300 00
	Laundryman.....	300 00	300 00
	Butcher and Dairyman.....	270 00	300 00



V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
<b>35</b>	<b>Asylum for the Insane, Mimico.—<i>Continued.</i></b>	1904	1905
	<i>Salaries—Continued.</i>		
	Porter.....	150 00	150 00
	Plowman.....	252 00	264 00
	Stableman.....	264 00	276 00
	Matron.....	500 00	500 00
	Assistant Matron.....	300 00	300 00
	Supervisors (5).....	948 00	1,034 00
	Attendants (16).....	3,016 00	2,508 00
	Laundresses (4).....	480 00	636 00
	Night Watches (2).....	300 00	312 00
	Cooks (4).....	590 00	720 00
	Tailoress.....	360 00	360 00
	Seamstress.....	180 00	180 00
	Housemaids (3).....	470 00	432 00
		29 006 00	29 460 00
	<i>Expenses.</i>		
	Medicine and medical comforts.....	900 00	1,000 00
	Fuel.....	12,000 00	14,000 00
	Butchers' meat, fish and fowl.....	8,000 00	8,000 00
	Flour, meal, etc.....	4,000 00	4,000 00
	Butter.....	4,500 00	5,000 00
	Lighting.....	300 00	350 00
	Groceries.....	7,000 00	8,000 00
	Fruit and vegetables.....	600 00	500 00
	Bedding, clothing and shoes.....	4,500 00	5,000 00
	Furniture and furnishings.....	1,800 00	1,600 00
	Farm and garden.....	1,000 00	1,000 00
	Feed and fodder.....	500 00	500 00
	Printing, postage and stationery.....	1,000 00	1,000 00
	Laundry, soap and cleaning.....	1,500 00	1,500 00
	Miscellaneous.....	1,200 00	1,200 00
	Repairs and alterations.....	2,000 00	1,000 00
		79,806 00	83,110 00
<b>36</b>	<b>Asylum for Insane, Brockville.</b>		
	(679 patients.)		
	<i>Salaries.</i>		
	Medical Superintendent.....	1,900 00	1,900 00
	Assistant Superintendent.....	1,300 00	1,300 00
	Assistant Physician.....	850 00	950 00
	Bursar (with allowance for rent).....	1,400 00	1,400 00
	Storekeeper.....	750 00	750 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
36	m for the Insane, Brockville.— <i>Con.</i>	1904.	1905.
	<i>Salaries—Continued.</i>		
	Engineer.....	550 00	550 00
	Assistant Engineer .....	400 00	400 00
	Stokers (4).....	1,008 00	1,044 00
	Carpenter.....	550 00	550 00
	Porter, etc.....	475 00	475 00
	Baker.....	450 00	450 00
	Tailor.....	500 00	500 00
	Night watch (2).....	540 00	564 00
	Chief Attendant .....	400 00	400 00
	Supervisors (6).....	2,208 00	1,956 00
	Ordinary Male Attendants (16).....	4,214 00	4,080 00
	Laundry man (formerly attendant).....	300 00	300 00
	Farmer.....	550 00	550 00
	Farm Hand.....		240 00
	Gardener.....	450 00	450 00
	Butcher.....	360 00	300 00
	Matron .....	500 00	500 00
	Assistant Matron.....	300 00	300 00
	Chief Attendant.....	250 00	250 00
	Supervisors (6).....	1,164 00	1,200 00
	Ordinary Attendants (14) .....	2,386 00	2,196 00
	Night " (2).....	324 00	348 00
	Cooks (3).....	540 00	540 00
	Laundresses (3).....	540 00	564 00
	Housemaids (2) .....	288 00	288 00
	Seamstress.....	180 00	180 00
	Dairymaid.....	144 00	144 00
	Stenographer .....	200 00	250 00
		25,971 00	25,869 00
	<i>Expenses.</i>		
	Medicine and medical comforts .....	700 00	800 00
	Fuel.....	13,100 00	17,000 00
	Butchers' meat, fish and fowl.....	10,000 00	10,000 00
	Flour, meal, etc.....	4,700 00	4,700 00
	Butter.....	4,500 00	4,500 00
	Lighting and oil.....	3,000 00	3,200 00
	Water supply.....	2,000 00	2,000 00
	Groceries.....	8,000 00	8,000 00
	Fruit and Vegetables.....	2,000 00	2,000 00
	Bedding, clothing and shoes.....	4,500 00	4,500 00
	Furniture and furnishings... ..	1,800 00	1,500 00
	Laundry, soap and cleaning.....	1,300 00	1,500 00
	Farm and garden.....	900 00	500 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.		
		1904.	1905.	
36	Asylum for the Insane, Brockville.— <i>Con.</i>			
	<i>Expenses</i> —Continued.			
	Feed and fodder.....	1,500 00	1,500 00	
	Miscellaneous.....	1,500 00	1,500 00	
	Repairs and alterations.....	2,500 00	2,500 00	
	Printing, postage and stationery.....	600 00	800 00	
		88,571 00	92,369 00	
37	Asylum for Female Patients, Cobourg.			
	(145 patients.)			
	Medical Superintendent.....	1 500 00	1 500 00	
	Assistant do .....	600 00	600 00	
	Bursar and Storekeeper (with rent allow- ance).....	1 200 00	1 200 00	
	Engineer.....	550 00	550 00	
	Stokers (2).....	900 00	900 00	
	Carpenter.....	600 00	600 00	
	Gardener.....	510 00	510 00	
	Baker.....	550 00	550 00	
	Matron.....	500 00	500 00	
	Chief Female attendant.....	225 00	216 00	
	Supervisors (3).....	564 00	600 00	
	Female Attendants (6).....	1 124 00	1 032 00	
	Night Watch (1 male).....	300 00	300 00	
	do (female) .....		144 00	
	Cooks (2).....	350 00	324 00	
	Laundresses (2).....	350 00	360 00	
	Seamstress.....	168 00	168 00	
	Housemaids (2).....	240 00	288 00	
	Porter .....	180 00	180 00	
		<i>Expenses.</i>	10 411 00	10 522 00
		Medicine and medical comforts.....	200 00	200 00
	Fuel.....	3 300 00	3 300 00	
	Meat, fish, fowl.....	2 200 00	2 000 00	
	Flour, meat, bread, etc.....	1 200 00	1 000 00	
	Butter.....	1 100 00	1 000 00	
	Lighting.....	750 00	600 00	
	Groceries.....	2 000 00	2 000 00	
	Fruit and vegetables.....	700 00	700 00	
	Bedding, clothing, shoes.....	700 00	700 00	
	Furniture and furnishings.....	500 00	500 00	
	Farm and garden.....	250 00	200 00	
	Feed and fodder.....	200 00	100 00	

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
37	Asylum for Female Patients, Cobourg— <i>Con.</i>	1904.	1905
	<i>Expenses—Continued.</i>		
	Printing, postage, stationery.....	300 00	300 00
	Laundry.....	500 00	500 00
	Water.....	500 00	600 00
	Miscellaneous.....	2 000 00	2 000 00
	Repairs and alterations.....	400 00	400 00
		27 211 00	26 622 00
38	Asylum for the Insane, Pentanguishene.		
	(250 patients.)		
	<i>Salaries.</i>		
	Medical Superintendent.....	1,800 00	1,800 00
	Assistant to the Superintendent.....	900 00	900 00
	Bursar.....	1,000 00	1,000 00
	Storekeeper.....	750 00	750 00
	Engineer.....	600 00	600 00
	Assistant Engineer and Night Watch .....	450 00	450 00
	Stoker.....	360 00	360 00
	Carpenter.....	600 00	600 00
	Farmer.....	500 00	500 00
	Gardener.....	450 00	450 00
	Stableman.....	240 00	240 00
	Baker and Butcher.....	500 00	500 00
	Laundryman.....	360 00	360 00
	Messenger and Dairyman.....	400 00	400 00
	Male Supervisor.....	360 00	360 00
	Male Attendants (8).....	1,200 00	1,992 00
	Matron.....	500 00	500 00
	Chief Female Attendant.....	250 00	250 00
	Stenographer .....	260 00	260 00
	Seamstress.....	180 00	180 00
	Cooks (3).....	492 00	504 00
	Laundresses (2).....	360 00	360 00
	Female Supervisors (2).....	396 00	408 00
	Female Attendants (11) .....	1,152 00	1,716 00
	Housemaid.....	144 00	144 00
		14,204 00	15,584 00





V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
<b>39</b>	<b>Asylum for Feeble Minded, Orillia.—<i>Con.</i></b>	1904	<b>1905.</b>
	<i>Salaries—Continued.</i>		
	Teachers and Industrial Instructors (3) ....	1,400 00	1,200 00
	Ordinary Female Attendants (12).....	1,882 00	2,040 00
	Night Attendants (2).....	312 00	336 00
	Cooks (3).....	444 00	516 00
	Laundresses (3).....	492 00	528 00
	Housemaids (8).....	1,152 00	1,152 00
	Seamstress (3).....	576 00	756 00
	Dairymaid.....	144 00	144 00
	<i>Expenses.</i>	22,782 00	23,262 00
	Medicines and medical comforts.....	500 00	500 00
	Fuel.....	9 000 00	10 000 00
	Butchers' meat, fish and fowl.....	8 000 00	8 000 00
	Flour, bread, etc.....	4 800 00	5 000 00
	Butter.....	5 100 00	5 500 00
	Light.....	1 500 00	700 00
	Water.....	.....	740 00
	Groceries.....	4 500 00	4 500 00
	Fruit and vegetables.....	1 650 00	1 650 00
	Bedding, clothing and shoes.....	7 000 00	7 000 00
	Laundry, soap and cleaning.....	2 000 00	2 000 00
	Furniture and furnishings.....	1 500 00	1 200 00
	Farm and garden.....	500 00	500 00
	Feed and fodder.....	1 800 00	1 500 00
	Repairs.....	4 500 00	2 500 00
	Miscellaneous.....	1 500 00	1 500 00
	Printing, postage and stationery.....	800 00	800 00
		77 432 00	76 852 00
<b>40</b>	<b>Asylum for Epileptics, Woodstock.</b>		
	(80 patients.)		
	<i>Salaries.</i>		
		per annum.	eight months.
	Physician.....	1,500 00	1,000 00
	Medical Superintendent.....	750 00	500 00
	Bursar and Storekeeper.....	1,000 00	667 00
	Engineer.....	500 00	333 00
	Stokers (2).....	504 00	336 00
	Carpenter.....	400 00	267 00
	Gardener.....	400 00	267 00
	Farmer.....	450 00	300 00
	Baker, Butcher and Dairyman (1)	400 00	267 00
	Messenger.....	240 00	160 00
	Supervisor (male).....	360 00	240 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
<b>40</b>	<b>Asylum for Epileptics, Woodstock.—<i>Con.</i></b>	1904.	1905.
	<i>Salaries—Continued.</i>		
	Male attendants (3)..... ..	768 00	542 00
	Nightwatch..... ..	240 00	160 00
	Matron..... ..	400 00	267 00
	Supervisor (female)..... ..	216 00	144 00
	Female attendants (3)..... ..	504 00	386 00
	Cooks (2)..... ..	336 00	224 00
	Laundresses (2)..... ..	336 00	224 00
	Seamstress..... ..	168 00	112 00
	Housemaids (1)..... ..	192 00	128 00
	Typewriter and Portress..... .	144 00	96 00
	<i>Expenses.</i>		6,620 00
	Medicines and medical comforts..... ..		150 00
	Fuel..... ..		2,000 00
	Meat, fish, fowl..... ..		1,000 00
	Flour, bread, meal, etc..... ..		500 00
	Butter..... ..		600 00
	Groceries..... ..		900 00
	Fruit and vegetables..... ..		250 00
	Lighting..... ..		500 00
	Water..... ..		500 00
	Bedding, clothing, shoes..... ..		300 00
	Furniture and furnishings..... ..		500 00
	Farm and garden..... ..		400 00
	Feed and fodder..... ..		400 00
	Laundry, soap, etc..... ..		300 00
	Printing, postage and stationery..... ..		600 00
	Repairs and alterations..... ..		500 00
	Miscellaneous..... ..		2,000 00
			18,020 00
<b>41</b>	Medical Relieving Officer... ..	1,000 00	1,000 00
<b>42</b>	<b>Central Prison, Toronto.</b>		
	(400 Prisoners.)	1904	1905
	<i>Salaries.</i>		
	Warden (with allowance)..... ..	2,000 00	2,000 00
	Deputy Warden..... ..	1,200 00	1,200 00
	Bursar..... ..	1,300 00	1,300 00
	Physician..... ..	950 00	950 00
	Clerk and Prison Librarian..... ..	950 00	950 00
	Steward and Storekeeper..... ..	800 00	800 00

V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904	1905
42	<b>Central Prison, Toronto.—<i>Continued.</i></b>		
	<i>Salaries—Continued.</i>		
	Accountant (one-half charged to Industrial Department) .....	500 00	500 00
	Sergeant Guard.....	900 00	900 00
	Guards (28).....	13,500 00	14,050 00
	Carpenter.....	600 00	600 00
	Gardener.....	750 00	750 00
	Engineer.....	800 00	800 00
	Cook and Baker.....	700 00	700 00
		24,950 00	25,500 00
	<i>Expenses.</i>		
	Hospital expenses and medicines.....	500 00	500 00
	Butchers' meat and fish.....	8,100 00	9,000 00
	Flour, bread and meal.....	4,000 00	5,000 00
	Groceries.....	4,500 00	5,000 00
	Bedding, clothing and shoes.....	7,500 00	7,500 00
	Fuel.....	3,000 00	3,000 00
	Gas and oil.....	1,000 00	2,000 00
	Water Supply.....	650 00	1,000 00
	Laundry, soap and cleaning.....	2,000 00	2,000 00
	Stationery, advertising, printing and postage.....	650 00	650 00
	Library, schools and expenses of religious services.....	750 00	750 00
	Furniture and furnishings.....	700 00	700 00
	Stable forage, vegetable farm, etc.....	1,500 00	1 500 00
	Grounds.....	700 00	700 00
	Repairs and insurance.....	2,000 00	2,000 00
	Unenumerated.....	3,500 00	2,000 00
	66,000 00	68,800 00	
43	<b>Andrew Mercer Reformatory for Females.</b>		
	(151 inmates.)		
	<i>Salaries.</i>		
	Superintendent.....	1,000 00	1,000 00
	Deputy Superintendent.....	600 00	600 00
	Principal of Refuge.....	750 00	750 00
	Stenographer .....	350 00	350 00
	Physician.....	800 00	800 00
	Bursar.....	1,100 00	1,100 00
	Chief Attendant.....		275 00
	Cook.....		200 00
Teachers (7).....	2,100 00	2,100 00	



V. PUBLIC INSTITUTIONS MAINTENANCE.—*Continued*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904	1905
<b>43</b>	<b>Andrew Mercer Reformatory for Females.—</b> <i>Continued.</i>		
	<i>Salaries—Continued.</i>		
	Attendants (8).....	2,200 00	1,520 00
	Housekeeper.....		200 00
	Carpenter and Storekeeper.....	600 00	700 00
	Engineer.....	600 00	600 00
	Assistant Engineer.....	550 00	600 00
	Night Watch.....	550 00	550 00
	Messenger.....	450 00	450 00
	Gardener and assistant.....	650 00	650 00
	Stable and Caretaker.....	400 00	400 00
		12,700 00	12,845 00
	<i>Expenses.</i>		
	Hospital, expenses and medicine.....	200 00	200 00
	Butchers' meat and fish.....	1,700 00	1,700 00
	Flour, bread and meal.....	1,150 00	1,300 00
	Groceries, bread and butter.....	2,700 00	2,900 00
	Bedding, clothing and shoes.....	2,300 00	2,300 00
	Fuel.....	2,500 00	2,600 00
	Lighting.....	850 00	850 00
	Laundry, soap, cleaning and water... ..	1,350 00	1,350 00
	Stationery, advertising, postage, etc... ..	450 00	450 00
	Library, schools and lectures.....	575 00	600 00
	Furniture and furnishings.....	950 00	900 00
	Grounds and Garden.....	600 00	600 00
	Repairs.....	900 00	800 00
	Unenumerated.....	1,000 00	1,000 00
	For manufacturing operations.....	1,100 00	1,150 00
	Feed and forage.....	450 00	450 00
		31,475 00	31,995 00

## VI. COLONIZATION AND IMMIGRATION.

*Amount to be voted, \$24,275.00.*

<b>44</b>	<b>Colonization purposes, pamphlets and ad-</b> <b>vertising...</b>	9,500 00	15,000 00
	Agent in Liverpool.....	2,365 00	2,365 00
	Clerk.....	600 00	600 00
	Travelling expenses.....	300 00	300 00
	Printing and contingencies.....	800 00	1,500 00
	Office rent and expenses, including fuel, stationery, etc... ..	760 00	760 00
	Towards securing farm laborers.....	3,000 00	1,000 00
	Land guides for assisting veterans in locat- ing lands... ..	2,000 00	2,000 00
	Rent and maintenance of office at Union Depot, Toronto .....		750 00
	(From contingencies in 1904.)		
		19,325 00	24,275 00

## VII. AGRICULTURE

Amount to be voted, \$333,443.00.

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904	1905.
45	Special Grants for agricultural purposes...	215,945 00	198,660 00
46	Ontario Agricultural College... .. .	84,977 00	70,373 00
47	Macdonald Institute..... .	12,000 00	23,000 00
48	Forestry..... .	3,500 00	3,500 00
49	Experimental farm and feeding..... .	17,233 00	9,945 00
50	Field Experiments... .. .	7,795 00	7,845 00
51	Experimental Dairy..... .	13,725 00	4,027 00
52	Central Dairy School..... .	10,124 00	5,195 00
53	Poultry Department... .. .	2,410 00	1,960 00
54	Horticultural Department... .. .	6,747 00	7,988 00
55	Mechanical Department... .. .	900 00	950 00
		375,356 00	333,443 00
45	<i>Agricultural and Horticultural Societies—</i>		
	Grants, as provided by Agriculture and Arts Act... .. .	78,110 00	78,110 00
	Expert Judges at Fairs..... .	4,000 00	6,000 00
	Superintendent's office, services and contingencies..... .	1,000 00	2,000 00
		83,110 00	86,110 00
	<i>Live Stock—</i>		
	Cattle Breeders' Association... .. .	2,500 00	
	Swine Breeders' Association..... .	2,500 00	
	Sheep Breeders' Association... .. .	2,500 00	
	Poultry Associations... .. .	2,000 00	
	Provincial Winter Fair (Guelph)..... .		5,500 00
	Eastern Live Stock and Poultry Show	3,500 00	4,300 00
	Sales of Pure Bred Stock..... .	1,000 00	1,000 00
	General Expenses, salaries, office work, etc... .. .		3,200 00
	Horse Breeders Association... .. .	2,000 00	2,000 00
	Registrar of Live Stock..... .	1,500 00	1,500 00
		17,500 00	17,500 00
	<i>Dairy—</i>		
	Dairymen's Associations... .. .	8,000 00	4,000 00
	Dairy Instruction..... .	11,000 00	19,000 00
	Eastern Dairy School (Gross expendi- ture in 1904, net in 1905)..... .	12,250 00	6,000 00
	Western Dairy School... .. .	3,400 00	3,000 00
		34,650 00	32,000 00
	<i>Fruit, Honey and Insects—</i>		
	Fruit Growers' Association... .. .	1,800 00	1,800 00
	Experimental Fruit Stations... .. .	3,100 00	4,000 00
	Cold Storage, experiments, plans, etc.	2,500 00	2,500 00
	Fruit, Flower and Honey Show... .. .	1,000 00	1,200 00
	Fruit Institutes..... .	1,000 00	1,000 00

VII. AGRICULTURE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.		
		1904.	1905.	
45	<i>Fruit, Honey and Insects.</i> ---Continued.			
	Bee Keepers' Association and Inspection.....	1,100 00	1,100 00	
	Entomological Society... ..	1,000 00	1,000 00	
	San Jose Scale, Spraying, etc.....	8,000 00	4,000 00	
		19,500 00	16,600 00	
	<i>Institutes</i> —			
	Grants to Farmers' Institutes... ..	4,000 00	4,000 00	
	Lecturers, services and expenses.....	9,500 00	9,000 00	
	Women's Institutes, grants, lecturers, etc.....	3,000 00	5,000 00	
	Superintendent, accountant and contingencies... ..		3,000 00	
		16,500 00	21,000 00	
	<i>Bureau of Industries</i> —			
	Printing forms, extra services in compiling statistics, printing and distributing bulletins, reports, etc...	5,500 00	5,500 00	
		5,500 00	5,500 00	
	Ontario Experimental Union... ..	1,500 00	2,000 00	
	Pioneer Farm (Net in 1905, Gross in 1904).	2,000 00	1,000 00	
	Sugar Beet Association... ..	500 00	500 00	
	Office Equipment, typewriters, adding machines.....	835 00	450 00	
	<i>Incidentals</i> —			
	Sundry services in connection with Agricultural work: Printing and distributing reports and bulletins, special investigations, Agricultural instruction, travelling expenses and contingencies not otherwise provided for... ..	16,000 00	16,000 00	
	Short Course in Stock Judging... ..	200 00		
	Meteorological Instruments... ..	100 00		
	Winter Fair Building, Ottawa... ..	6,000 00		
	Dairy Building, Western Fair, London...	10,000 00		
	Winter Fair Building, Guelph.....	250 00		
	Port Arthur and Fort William Exhibition	1,800 00		
	Total Special Grants for Agriculture.....	215,945 00	198,660 00	

## VII. AGRICULTURE.—Continued.

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905
<b>46</b>	<b>Agricultural College, Guelph.</b>		
	President.....	2,000 00	2,000 00
	Professor of Dairy Husbandry.....	1,700 00	1,800 00
	do Physics and English.....	1,700 00	1,800 00
	do Biology, Curator of Museum.....	1,700 00	1,800 00
	do Animal Husbandry.....	2,000 00	2,000 00
	do Field Husbandry (Transferred from Field Expts.).....	1,900 00	2,000 00
	do Horticulture.....	1,600 00	1,700 00
	do Bacteriology.....	1,600 00	1,700 00
	do Chemistry.....	1,600 00	1,700 00
	do Veterinary Science (Part Time.).....	1,000 00	1,100 00
	Lecturer in Chemistry.....	1,200 00	1,300 00
	do Animal Husbandry.....	1,200 00	1,100 00
	do Biology.....	1,100 00	1,100 00
	do Physics (Demonstrator last year).....	800 00	1,100 00
	do Field Husbandry (Demonstrator last year, half year).....	500 00	1,100 00
	do Forestry.....	800 00	800 00
	Demonstrator in Biology.....	800 00	900 00
	do Chemistry.....	800 00	900 00
	do Bacteriology.....	800 00	900 00
	do Horticulture.....	800 00	900 00
	Manager of Poultry Department and Lecturer.....	1,200 00	1,300 00
	Dean of Residence.....	700 00	700 00
	Teacher in French and German, Assistant Librarian.....	700 00	800 00
	Second Assistant in Library.....	400 00	450 00
	Teacher in Drill and Gymnastics.....	300 00	300 00
	President's Secretary, Assistant in Residence.....	800 00	800 00
	Lecturer in Apiculture.....	400 00	200 00
	Stenographer.....	400 00	450 00
	Stenographic Assistance, 4 Depts.....	300 00	412 00
	Bursar and Superintendent.....	1,500 00	1,500 00
	Bursar's Clerk.....	550 00	700 00
	Clerk and Stenographer.....	350 00	450 00
	Matron.....	500 00	500 00
	Physician (Part Time).....	500 00	600 00
	Engineer.....	800 00	850 00
	Painter.....	600 00	600 00
	Baker.....		600 00
	3 Stokers.....	1,260 00	1,300 00
	Night Watchman.....	396 00	396 00
	Janitor.....	396 00	420 00



VII. AGRICULTURE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
<b>46</b>	Agricultural College, Guelph.— <i>Continued.</i>	1904.	1905
	Messenger.....	360 00	360 00
	Temporary Assistance.....	750 00	1,000 00
	2 Janitors looking after 6 Laboratories and Massey Hall.....		600 00
	Student Labor.....	5,000 00	5,000 00
	<i>Expenses and Maintenance</i>	42,962.00	48,188 00
	Meat, fish, and fowl.....	6,500 00	6,500 00
	Bread, biscuits, and flour.....	1,200 00	1,200 00
	Groceries, butter, and fruit.....	6,500 00	6,500 00
	Laundry soap, and cleaning.....	400 00	400 00
	Women servants, cooks, laundresses, for boarding house.....	2,200 00	2,500 00
	Advertising, printing, postage, and station- ery.....	2,000 00	2,500 00
	Maintenance of four laboratories, chemi- cals, etc.....	1,830 00	2,000 00
	Expenses of Short Courses in Stock Judg- ing and Poultry raising.....	300 00	600 00
	Travelling Expenses, outside lectures, etc.	500 00	700 00
	Library and Reading Room, books, papers, and fittings.....	2,000 00	2,000 00
	Scholarships (ten).....	100 00	100 00
	Telephone service, messages, etc.....	260 00	260 00
	Unenumerated.....	1,000 00	1,000 00
	Furniture and furnishings.....	1,500 00	1,500 00
	Fuel and Light.....	10,000 00	10,000 00
	Sewage disposal, labor, chemicals, etc.....	500 00	500 00
	Repairs and alterations.....	1,800 00	1,800 00
	Engine room supplies.....	600 00	600 00
	School assessment.....	125 00	125 00
	Extra lectures.....		400 00
	Balance of salary Prof. of Agriculture 1903.....	400 00	
	Smallpox outbreak, special.....	2,300 00	
		84,977 00	89,373 00
	Estimated revenue from fees and board .....		19,000 00
<b>47</b>	Macdonald Institute and Hall.		70,373 00
	Salaries, supplies, and sundry expenses...	12,000 00	
	Salaries.....		13,000 00
	Bread, meat, groceries, furnishings, and repairs.....		10,000 00
	Fuel.....		3,000 00
	Laundry, advertising, library, books, etc..		1,500 00

VII. AGRICULTURE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
<b>47</b>	<b>Macdonald Institute and Hall.</b> --- <i>Continued.</i>		
	Engine room supplies.....		500 00
	Maintenance of different laboratories, nature study, etc.....		2,000 00
			30,000 00
	Estimated revenue.....		7,000 00
<b>48</b>	<b>Forestry.</b>		23,000 00
	Expenses in Farm Forestry.....	3,500 00	3,500 00
<b>49</b>	<b>Farm and Experimental Feeding Dept.</b>		
	Permanent improvements.....	250 00	400 00
	Wages, including foreman, herdsman, laborers and stenographers.....	3,850 00	4,560 00
	Purchase of livestock.....	8,000 00	6,000 00
	Maintenance of stock.....	1,900 00	1,800 00
	Seed.....	200 00	225 00
	Binder twine.....	65 00	65 00
	Repairs, blacksmithing, etc.....	700 00	800 00
	Tools and implements.....	300 00	400 00
	Furnishings.....	50 00	75 00
	Advertising, printing, stationery, etc.....	250 00	250 00
	Fuel and light.....	30 00	20 00
	Contingencies.....	350 00	350 00
	Experimental Feeder (Transferred to Wages).....	408 00	
	Stenographer (Transferred to Wages).....	130 00	
	Threshing machine.....	750 00	
	Estimated revenue, sale of stock, farm produce, etc.....	17,233 00	14,945 00
			5,000 00
<b>50</b>	<b>Field Experiments.</b>		9,945 00
	Permanent Improvements.....	800 00	700 00
	Foreman.....	700 00	750 00
	Specialist in plant breeding.....	700 00	800 00
	Assistant.....	600 00	600 00
	Stenographer.....	350 00	400 00
	Teamster.....	420 00	420 00
	Teamster (8 months).....	280 00	280 00
	1 Laborer (4 months).....	140 00	140 00
	Additional labor.....	2,200 00	2,200 00
	Seeds.....	435 00	450 00
	Manure and special fertilizers.....	140 00	140 00
	Furnishings, repairs, blacksmithing, etc.....	325 00	325 00

VII. AGRICULTURE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
<b>50</b>	<b>Field Experiments.—Continued.</b>		
	Printing, postage, and stationery.....	135 00	135 00
	Implements.....	90 00	125 00
	New typewriter.....	100 00	.....
	Purchase of horse.....	180 00	180 00
	Contingencies.....	200 00	200 00
		7,795 00	7,845 00
<b>51</b>	<b>Experimental Dairy Dept.</b>		
	Permanent Improvements.....	600 00	300 00
	Foreman (9 months) rent allowance \$100.00.....	530 00	560 00
	Experimental Cheesemaker (8 months)....	450 00	400 00
	Experimental buttermaker (9 months).....	.....	450 00
	Man to assist in experimental work (9 months) (8 months, 1904).....	280 00	310 00
	Engineer (9 months) (8 months, 1904).....	264 00	315 00
	Engineer (9 months) (8 months, 1904).....	200 00	200 00
	Labor—milking, feeding stock, etc.....	432 00	480 00
	Cattleman.....	8,000 00	10,000 00
	Milk for experimental cheese and butter making.....	600 00	600 00
	Purchase of Cows.....	650 00	650 00
	Feed and fodder.....	600 00	600 00
	Furniture, furnishings, repairs, etc.....	600 00	700 00
	Fuel and light.....	100 00	100 00
	Laboratory Expenses, gas, chemicals, etc..	144 00	162 00
	Stenographer and book-keeper (9 months), (8 months, 1904).....	275 00	200 00
	Contingencies.....	13,725 00	16,027 00
	Estimated revenue, dairy products.....	.....	12,000 00
			4,027 00
<b>52</b>	<b>Dairy School.</b>		
	Permanent Improvements.....	300 00	300 00
	Wages of Instructors (3 months), Janitor (4 months).....	1,849 00	1,745 00
	Cleaning, painting, repairs, etc.....	400 00	300 00
	Dairy appliances, separators, vats, etc.....	500 00	500 00
	Expenses cheese and butter judges.....	25 00	50 00
	Travelling expenses inspecting factories ...	50 00	50 00
	Books, magazines, papers, etc.....	50 00	50 00
	Advertising, printing, postage and station- ery.....	200 00	200 00
	Fuel and light.....	600 00	600 00
	Purchase of milk for use in school.....	6,000 00	6,000 00
	Contingencies.....	150 00	100 00
		10,124 00	9,895 00
	Estimated revenue, dairy products.....	.....	4,700 00
			5,195 00

VII. AGRICULTURE.—*Continued.*

No. of Vote.	SERVICE.	Salaries and Expenses.		
		1904.	1905	
53	<b>Poultry Department.</b>			
	Temporary assistance... ..	450 00	500 00	
	Permanent improvements... ..	100 00	100 00	
	Purchase of stock..... ..	125 00	135 00	
	Furnishings, and repairs... ..	150 00	225 00	
	Feed... ..	260 00	450 00	
	Fuel and light..... ..	200 00	200 00	
	Experiments (Incubators, Fattening) .....	900 00	1,100 00	
	Stenographer (part time)... ..		120 00	
	Contingencies... ..	50 00	130 00	
	<i>Incubator Expts</i> .....	100 00		
	<i>Part cost of horse</i> ..... ..	75 00		
	2,410 00	2,960 00		
Estimated revenue, 'poultry and eggs.....		1,000 00		
		1,960 00		
54	<b>Horticultural Department.</b>			
	Permanent Improvements, Tool House ...	50 00	200 00	
	Head Gardener and foreman..... ..	750 00	800 00	
	Florist..... ..	650 00	700 00	
	Assistant and night fireman..... ..	450 00	450 00	
	Teamsters, two..... ..	672 00	840 00	
	Assistant gardener, 6 months..... ..		210 00	
	Stenographer (Part time)... ..	75 00	88 00	
	Laborers..... ..	1,800 00	2,000 00	
	Manure..... ..	100 00	100 00	
	Trees, plants, bulbs, and seeds..... ..	300 00	500 00	
	Implements, tools, furnishings, flower pots, repairs, etc... ..	400 00	600 00	
	Fuel and light..... ..	750 00	1,000 00	
	Purchase of team..... ..	400 00		
	Wax fruit models..... ..	250 00	400 00	
Contingencies..... ..	100 00	100 00		
	6,747 00	7,988 00		
Note—Products, vegetables and fruits, supplied to College.				
55	<b>Mechanical Department.</b>			
	Salary of Foreman..... ..	750 00	800 00	
	Tools, fuel, and light..... ..	150 00	150 00	
	900 00	950 00		



## VIII. HOSPITALS AND CHARITIES.

*Amount to be voted, \$291,642.19.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905
56	For Institutions, mentioned in Schedule "A" of Statutes.....	110,000 00	110,000 00
	For Institutions in Schedule "B".....	65,363 58	67,290 88
	For Institutions in Schedule "C".....	15,853 43	16,619 37
	For printing, stationery and other contingencies.....	300 00	300 00
	Industrial Schools.....	9,409 80	23,500 00
	do Arrears from last year.....		16,881 94
	Prisoners' Aid Association.....	2,500 00	2,500 00
	do do forwards debt.....		1,000 00
	Childrens' Aid Work.....	2,000 00	4,000 00
	Canadian Humane Society.....	250 00	250 00
	Victorian Order of Nurses in new districts.....	2,500 00	2,500 00
	Salvation Army Prison Gate Work.....	1,000 00	1,000 00
	Associated Charities.....		500 00
	Infants' Home and Infirmary.....	400 00	400 00
	Smallpox outbreaks and Sanitary Investigations.....	10,600 00	10,600 00
	Grant new Industrial School Building, Mimico (Revote).....	10,000 00	5,000 00
	Grant for maintenance, boys formerly sent to Boys' Reformatory.....	4,000 00	800 00
	Grant St. John's Industrial School Building (Revote).....	7,500 00	1,500 00
	County of Grey House of Refuge.....	4,000 00	
	Hospitals for Consumptives (free patients).....	4,500 00	
	National Sanitarium for Consumptives.....		15,000 00
	County House of Refuge Halton.....		4,000 00
	do do Haldimand.....		4,000 00
	do do Victoria.....		4,000 00
		250,176 81	291,642 19

IX.—MAINTENANCE AND REPAIRS OF GOVERNMENT BUILDINGS.

*Amount to be voted, \$74,030.00.*

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
57	Government House... ..	16,300 00	16,000 00
58	Parliament and Departmental Buildings.	56,245 00	\$58,030 00
<b>57</b>	<b>Government House.</b>	<b>\$72,545 00</b>	<b>74,030 00</b>
	Gardener and Caretaker... ..		
	Fireman and assistant gardener... ..		
	Assistant gardener... ..		
	Extra gardener... ..		
	Water... ..		
	Gas... ..	16,300 00	16,000 00
	Fuel... ..		
	Repairs... ..		
	Furnishings... ..		
	Contingencies... ..		
	Sidewalk around Government House... ..		
<b>58</b>	<b>Parliament and Departmental Buildings.</b>		
	Water and Fuel... ..	9,000 00	9,000 00
	Electric power and electric lighting... ..	5,000 00	5,000 00
	Supplies, tools, etc., for engine room and general repairs... ..	1,000 00	1,000 00
	Caretakers of grounds, repairs and clean- ing of buildings, etc... ..	7,000 00	7,000 00
	General Clerk of Works... ..	1,200 00	1,200 00
	Carpenter... ..	750 00	750 00
	Plumber... ..	900 00	900 00
	Mechanical Superintendent... ..	1,100 00	1,100 00
	Engineer... ..	1,200 00	1,200 00
	Assistant engineer and steam fitter... ..	720 00	720 00
	Firemen in boiler room (3)... ..	1,800 00	1,800 00
	Passenger elevator attendants (2)... ..	1,200 00	1,200 00
	Porters in charge of entrances and corri- dors (5)... ..	2,400 00	3,000 00
	Nightwatchmen (2)... ..	1,200 00	1,300 00
	Superintendent of grounds and gardens... ..	350 00	350 00
	Furnishings of Legislative Chamber and Speaker's apartments... ..	250 00	2,000 00
	Attorney-General's Department, cleaning... ..	300 00	300 00
	do furnishings... ..	400 00	600 00
	Crowns Lands Department, cleaning... ..	300 00	300 00
	do furniture... ..	400 00	400 00
	do fittings for vaults... ..	4,500 00	3,000 00

## IX. MAINTENANCE AND REPAIRS OF GOVERNMENT BUILDINGS.

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
<b>58</b>	<b>Parliament and Departmental Buildings.</b> —Continued.		
	Public Works Department, cleaning... ..	300 00	300 00
	do furniture..... ..	400 00	700 00
	do vault fittings... ..		500 00
	Treasury Department, cleaning... ..	300 00	300 00
	do furniture... ..	400 00	700 00
	Provincial Secretary's Department, clean- ing... ..	300 00	300 00
	Provincial Secretary's Department, furni- ture, etc... ..	400 00	700 00
	Provincial Secretary's Department, shelv- ing Criminal Justice accounts branch.	150 00	150 00
	Provincial Secretary's Department, metal file cabinet, Public Institutions office	275 00	275 00
	Department of Agriculture, cleaning... ..	300 00	300 00
	do furniture, etc... ..	400 00	700 00
	For grounds and garden shrubs, etc... ..	500 00	500 00
	Uniforms for messengers, porters, etc.....	300 00	300 00
	Library fittings and shelving... ..	500 00	500 00
	Painting corridors and offices... ..	2,000 00	3,000 00
	Inspection of Boilers, Public Institutions.	1,200 00	1,200 00
	Archivist's Department ... ..	1,050 00	800 00
	Heating Plant and Green House... ..		500 00
	<i>Plants and uniforms supplied by Central Prison..... ..</i>	6,500 00	
	To pay outstanding accounts of 1904.....		4,185 00
		56,245 00	58,030 00

## X.—PUBLIC BUILDINGS.

Amount to be voted, \$362,860.27

No. of Vote.	SERVICE.	To be voted for	
		1905.	
<b>59</b>	Public Institutions..... ..	45,094 63	124,874 37
<b>60</b>	Educational..... ..	5,576 6	15,079 63
<b>61</b>	Districts..... ..	500 00	11,735 00
	Re-vote included in above..... ..	31,171 27	311,689 00
	Expenditure on Capital Account (new).....	260,873 00	
	Repairs..... ..	50,816 0	
		362,860 27	

X. PUBLIC BUILDINGS.—*Continued.*

No. of Vote.	SERVICE.	New vote	Re-vote	
		<b>1905</b>		
59	<b>Toronto Asylum.</b>			
	Repairs, drains, etc. . . . .	500 00		
	Metal ceilings, main building. . . . .	500 00		
	Re-building coal shed. . . . .	1,450 00		
	Electric lighting. . . . .	600 00		
	Boilers, renewal of and connections. . . . .	900 00		
	Spray Bathing Appliances, 2 bath rooms. . . . .	450 00		
	Laundry machinery, renewals. . . . .	1,000 00		
	Exterior repairs and alterations. . . . .	600 00		
	Furniture and furnishings. . . . .	2,150 00		
		<b>Mimico Asylum.</b>		
		Repairs, drains, etc. . . . .	300 00	
		Floor in kitchen. . . . .	500 00	
		Improvements in water supply. . . . .	5,000 00	
		Exterior repairs, etc. . . . .	1,500 00	
		Interior repairs, etc. . . . .	1,000 00	
		Fire protection. . . . .	300 00	
		Furniture and furnishings. . . . .	600 00	
		<b>London Asylum.</b>		
		Repairs, drains, etc. . . . .	400 00	
		Boilers, renewals and heating. . . . .	1,050 00	
		Laundry machinery. . . . .	400 00	
		Renewal of slating roof of main building. . . . .	800 00	
		Wire guards for balconies. . . . .	200 00	
		Material for verandahs to wings, main		
		building. . . . .	600 00	
		Extension of coal cellar. . . . .	1,200 00	
		Sidewalk (cement). . . . .	750 00	
		Fencing. . . . .	400 00	
		Furniture and furnishings. . . . .	700 00	
		<b>Hamilton Asylum.</b>		
		Repairs, drains, etc. . . . .	400 00	
		Improvement in heating plant main build-		
		ing. . . . .	500 00	
		Water service pipe renewals. . . . .	2,000 00	
		Paint shop (to replace one destroyed by		
		fire). . . . .	1,500 00	



X. PUBLIC BUILDINGS.—*Continued.*

No. of Vote.	SERVICE.	To be voted for 1905.
<b>59</b>	<b>Hamilton Asylum.—Continued.</b>	
	Repairs to sewer.....	1,000 00
	Skating rink to complete (re-vote).....	2,664 00
	Ash elevators.....	300 00
	Repairs to roofs and eaves.....	500 00
	Repairs to sidewalks and steps.....	1,250 00
	Interior repairs, etc.....	1,000 00
	Furniture and furnishings.....	1,400 00
	<b>Kingston Asylum.</b>	
	Repairs, drains, etc.....	400 00
	Renewal of locks to ward doors.....	275 00
	Rebuilding silos.....	600 00
	Plumbing renewals.....	500 00
	Fire hose.....	200 00
	Repairs to wharf.....	500 00
	Roof over cold storage building and ice house.....	350 00
	Boiler connections, repairs to pump and heating apparatus.....	400 00
	Pavilion for convalescents.....	500 00
	Furniture and furnishings.....	900 00
	<b>Brockville Asylum.</b>	
	Repairs, drains, etc.....	400 00
	Spray baths for 2 cottages.....	650 00
	Exterior repairs.....	600 00
	Weigh scales.....	500 00
	Completion of contract for repairs M. B.....	850 00
	Farm and garden, fencing, etc.....	1,250 00
	Furniture and furnishings.....	1,400 00
	<b>Cobourg Asylum.</b>	
	Repairs, drains, etc.....	300 00
	Improvements in laundry.....	100 00
	Roof house, part re-vote.....	1,500 00
	Fire protection and engineers' supplies.....	300 00
	Fencing, re-vote.....	400 00
	Completion of Medical Superintendent's Residence (re-vote).....	3,300 00
	Furniture and furnishings.....	1,000 00

X. PUBLIC BUILDINGS.—*Continued.*

No. of Vote.	SERVICE.	Re-Vote. New Vote. 1905.
59	<b>Woodstock Asylum.</b>	
	To complete contracts for main building and cottages, re-vote... ..	11,700 00
	For the erection of two cottages for 80 patients... ..	44,600 00
	For stable and coach house, re-vote... ..	2,500 00
	Electric light transformers and fixtures, re-vote... ..	1,150 00
	Fencing, roads and walks, re-vote (part)... ..	3,000 00
	Workshop for patients... ..	4,500 00
	Drainage and water supply, part re-vote... ..	6,000 00
	Ventilation and Gegonstrom bathing apparatus, two cottages .....	3,000 00
	For Protection .....	500 00
	Kitchen utensils, etc.....	1,200 00
	Furniture and furnishings.....	11,000 00
	Farm and Garden .....	800 00
	<b>Orillia Asylum.</b>	
	Repairs, drains... ..	300 00
	Improvements in bathing apparatus, re-vote	1,000 00
	Boiler and engine connections and pipe covering... ..	900 00
	Furniture and furnishings.....	1,750 00
	Farm and garden.....	600 00
	General Repairs.....	500 00
	<b>Penetanguishene Asylum.</b>	
	Repairs, drains, etc.....	500 00
	Addition to laundry building.....	1,800 00
	Laundry Machinery .....	600 00
	Improvements on cottages and outbuilding.....	1,350 00
	Greenhouse.....	1,200 00
	Fire hose.....	500 00
	Gasoline engine.....	250 00
	Farm and garden.....	1,000 00
	Furniture and furnishings.....	1,000 00
	<b>Mercer Reformatory.</b>	
	Repairs, roofs, etc.....	300 00
	Fire protection.....	180 00
	Farm and garden.....	400 00
	Exterior repairs and alterations.....	120 00
	Interior repairs and alterations.....	2,000 00
	Furniture and furnishings... ..	180 00

X. PUBLIC BUILDINGS.—Continued.

No. of Vote.	SERVICE.	Re-Vote.	New Vote. 1905.
<b>59</b>	<b>Central Prison.</b>		
	Repairs, roofs, drains, etc.....	300	00
	Increased steam power for industries.....	5,000	00
	Electric lighting.....	2,000	00
	Smoke consumers.....	750	00
	Repairs to buildings.....	2,000	00
			169,969 00
	<b>Educational.</b>		
<b>60</b>	<b>Normal and Model School, Toronto.</b>		
	Repairs, drains, etc.....	400	00
	Surface drainage.....	250	00
	Metal ceilings.....	550	00
	Improvements in heating, re-vote.....	1,011	00
	Sidewalks Victoria, Gerrard and Gould streets.....	1,660	00
	Ventilation of the Normal School, part re-vote.....	3,500	00
	<b>Normal and Model School, Ottawa.</b>		
	Improvements in lighting class-room.....	200	00
	Furniture and furnishings.....	300	00
	Repairs, drains, etc.....	300	00
	Re-planking boys' and girls' play-ground. Model School.....	1,500	00
	Renewals of w.c.'s and improvements in plumbing.....	1,600	00
	<b>Normal School, London.</b>		
	Repairs, drains, etc.....	300	00
	<b>School of Practical Science.</b>		
	Grounds, roads, sodding, etc.....	3,800	00
	To complete contract for new building and equipment.....	80,000	00
	<b>Equipment and Furniture—</b>		
	Outstanding accounts.....	3,861	75
	Omission.....	400	00

## PUBLIC BUILDINGS.

No. of Vote	SERVICE.	Re-vote	New vote 1905
60	Chemistry—		
	To complete furniture and furnish- ings... ..	1,057	00
	Compressed air and steam services ...	1,600	00
	Apparatus and glassware.....	3,300	00
	Electrochemical apparatus... ..	3,025	00
	Mining and Metallurgy—		
	Additional equipment... ..	9,015	00
	Geology—		
	Cases and furniture... ..	1,715	00
	Mineralogy—		
	Cases and furniture, partitions, etc....	600	00
	Electricity—		
	Apparatus.....	7,175	00
	Surveying Geodesy—		
	Apparatus and equipment... ..	2,500	00
	Testing of Materials—		
	Apparatus.....	1,950	00
	Thermodynamics and Hydraulics—		
	Apparatus.....	1,805	00
	Optics—		
	Apparatus.....	455	00
	Architecture, statics and drawing		
	tables... ..	2,000	00
	<b>Deaf and Dumb Institute, Belleville.</b>		
	Electric fans for laundry and kitchen in		
	main building... ..	100	00
	Repainting walls of chapel, regraining		
	seats, etc.....	250	00
	Engineer's tools, piping, elbows, valves,		
	etc., for extension of steam heating		
	and repairs... ..	250	00
	Silver plating outfit, metal plates, batter-		
	ies, polishing set, etc., installing same		
	new industry for deaf boys.....	400	00
	Furniture, carpeting officer's quarters, part		
	re-vote.....	450	00
	Rebuilding the two large refrigerators, cold		
	storage, alteration of room and pipes,		
	cement floor, etc... ..	500	00
	Extraordinary wages of extra carpenter,		
	painters, plasterers, etc... ..	500	00
	Large kitchen stationary range in main		
	building, kettles, etc... ..	525	00



X. PUBLIC BUILDINGS.—Continued.

No. of Vote.	SERVICE	Re-Vote. New Vote. 1905.
60	Deaf and Dumb Institute, Belleville.— <i>Con.</i>	
	Extraordinary repairs, metal ceilings in officer's dining room, Bursar's office. upper hallway, repapering walls. painting, graining, etc., new ceilings in printing office and bakery... ..	600 00
	Lumber, flooring, nails, paints, oils, etc.. for buildings generally and grounds...	600 00
	Repairs, drains, etc.....	300 00
	Repairs to main building.....	250 00
	<b>Institute for Blind, Brantford.</b>	
	Renewal of plumbing... ..	200 00
	Porch to west entrance.....	450 00
	Improvements in plan of Assembly Hall. ceiling, etc... ..	500 00
	<b>Agricultural College.</b>	
	Bathing appliances, main building.....	330 00
	Laying walks and grading Macdonald grounds... ..	2,500 00
	Additional apparatus for four laboratories.	1,800 00
	Two double frame cottages for farm men..	3,000 00
	Building and equipment for farm mechanics (60 x 142) and implement demonstrations.....	25,000 00
	Changing boiler in engine room and ash elevator.....	650 00
	Enlarging water systems to accomodate Macdonald buildings... ..	2,500 00
	Enlarging horse stable.....	900 00
	<b>Dairy School, Kingston.</b>	
	Repairs, drains, etc.....	200 00
	Unpaid accounts, 1904... ..	1,771 52
	Equipment, furnishings, etc.....	300 00

## PUBLIC BUILDINGS.

No. of Vote	SERVICE.	New vote 1905	Re-vote
61	<b>Districts.</b>		
	<i>Muskoka.</i>		
	General repairs and furnishings.....	500 00	
	<i>Parry Sound.</i>		
	Repairs to furniture and c.....	300 00	
	Repairs to walls and reshingling roof and repairing eave-trough.....	450 00	
	<i>Nipissing.</i>		
	House for gaoler Sturgeon Falls.....	600 00	
	Kitchen for Gaoler at Sudbury.....	500 00	
	Repairs, furnishings, etc.....	800 00	
	House for Gaoler to afford additional acco- modation for prisoners.....	3,500 00	
	<i>Algoma.</i>		
	Concreting floor, S. S. Marie Gaol.....	235 00	
	Completion of lock-up at Nairn.....	300 00	
	General repairs to gaol and lock-ups and fittings.....	2,000 00	
	<i>Thunder Bay.</i>		
	General fittings, etc.....	300 00	
	Fittings, for vault and Court House, Port Arthur.....	450 00	
	Repairs to Gaol and Court House, Port Ar- thur.....	1,400 00	
	<i>Rainy River.</i>		
	Repairs to Gaol and Court House, Rat Por- tage.....	600 00	
	Fittings for gaol and lock-ups.....	300 00	
			12,235 00

## XI. PUBLIC WORKS.

*Amount to be voted, \$86,300.00.*

No. of Vote.	SERVICE.	Re-vote.	New vote. 1905.
62	<b>Public Works.</b>		
	Removing rock obstructions Bar River, Township of McDonald... ..		200 00
	Removing rock obstructions North River, Township of North Orillia... ..		250 00
	Veuve River Bridge, .....		800 00
	Bridge over Wright Creek, .....		800 00
	Re-flooring bridge at Pine-wood... ..		500 00
	Bridge at Calabogie... ..		1,000 00
	Berriedale bridge .....		900 00
	Severn River Bridge in Morrison, balance of half cost, Simcoe County to pay re- mainder..... ..		850 00
	Bridge over West Arm, Lake Nipissing... ..		1,000 00
	Hoodstown road bridge over Big East River..... ..		1,200 00
	Maple Island Bridge, Magnetawan River. ....		1,000 00
	Bridge at Rainy River... ..		1,000 00
	Torenew Swing Bridge over Canal, Mary's Lake .....		1,100 00
	Superintendent Locks, Dams and Bridges.. ..		1,200 00
	Sleeman's Bridge..... ..		1,200 00
	Indian Point Bridge... ..		1,500 00
	Long Swamp Drainage works..... ..	1,500 00	.....
	Medonte Township drainage works... ..	1,800 00	.....
	McGregor Creek drainage works... ..	2,000 00	.....
	McIntyre Creek drainage works..... ..		1,200 00
	To complete bridge at outlet Lake of the Woods to pay balance of costs..... ..		2,000 00
	Bracebridge Bridge (conditional) .....		7,000 00
	Silver Creek and Castor River drainage works... ..	2,400 00	.....
	Petite Castor and Amabel Creek drainage works... ..	2,700 00	.....
	Sturgeon River Bridge. ....		2,500 00
	Snake River drainage works... ..		2,700 00
	Cavan Township drainage works..... ..	3,000 00	1,000 00
	To renew cribbing above and below lock, Mary's and Fairy Lakes..... ..		3,000 00
	Madawaska River Bridge, conditional .....		3,000 00
	Surveys, Inspections, Arbitrations and Awards... ..		2,000 00
	To renew high bridge above lock over Muskoka River... ..		3,500 00

### XI. PUBLIC WORKS.

No. of Vote.	SERVICE.	Re-Vote.	New Vote. 1905.
<b>62</b>	<b>Public Works.—Continued.</b>		
	Lockmasters, Bridge-tenders, and Care-takers' salaries.....		4,500 00
	Bridge over Portage Bay, Keewatin Bridge.....		5,000 00
	Peninsula Canal, renewing cribbing.....		5,000 00
	Mattawa Bridge.....		7,000 00
	Maintenance Locks, Dams and Bridges.....		9,000 00
		13,400 00	72,900 00
	SUMMARY:—Re-vote included in*above.....	13,400 00	
	Expenditure on capital account new.....	42,200 00	
	Expenditure for repairs and renewals.....	30,700 00	
			86,300 00
	Total voted for 1904, \$128,650.00.		

### XII. COLONIZATION ROADS.

*Amount to be voted \$166,300.00.*

No. of Vote.	A.	To be voted for 1905.	
<b>63</b>	East Division.....	61,350 00	
	North Division.....	43,750 00	
	West Division.....	22,200 00	
	General.....		127,300 00
			39,000 00
			166,300 00
<b>63</b>	<b>East Division.</b>		
	Appleby township roads.....	400 00	
	Amable Du Fond bridge and approaches.....	500 00	
	Addington road, Kaladar North.....	900 00	
	Alice, 10 and 11 con. s. from lot 24 westward	300 00	
	Bexley, Laxton & Somerville township roads	1,000 00	
	Bonfield, cons. 8 and 9.....	150 00	
	Boulter, lots 30 and 31.....	300 00	
	Bridge at boundary, Dunnet and Cassimer ..	300 00	
	Broder, Dill and Long Lake road.....	600 00	
	Badgerow township, between lots 6 and 7...	500 00	
	Badgerow township roads.....	800 00	
	Bear Creek bridge.....	300 00	
	Burton and Grant road.....	200 00	



XII. COLONIZATION ROADS.—*Continued.*

No. of Vote.	SERVICE.	To be voted for 1905.
<b>63</b>	<b>East Division.—Continued.</b>	
	Bleazard, Hanmer and Capreol roads .....	1,500 00
	Bonfield, Boulter and Chisholm roads .....	300 00
	Bonfield, 10th concession.....	400 00
	Bonfield and North Bay roads .....	900 00
	Boulter and Chisholm roads .....	300 00
	Booth road in Anstruther.....	200 00
	Burleigh and Apsley road.....	900 00
	Bancroft and Coe Hill road.....	500 00
	Bancroft and Maynooth road.....	600 00
	Buchanan and Petewawa road.....	300 00
	Bells Rapids road .....	250 00
	Bonnechere River bridge, Admaston .....	400 00
	Brudenell and Hagarty town line road.....	400 00
	Brudenell, Lyndoch and Foymount road .....	400 00
	Battersea, Jones Falls and Morton road (S. Crosby) .....	500 00
	Battersea road .....	250 00
	Bedford road to Scotch line.....	200 00
	Bell Rock and Verona road.....	200 00
	Bathurst and Althorpe road.....	250 00
	Burgess Narrows road.....	250 00
	Caldwell township road.....	500 00
	Cassimer township road.....	500 00
	Cameron township roads and bridges.....	600 00
	Chisholm roads.....	900 00
	Calvin township roads.....	800 00
	Corbeilles and Calendar, cons. 10 & 11, Ferris	150 00
	Chisholm and Ferris, 14th concession.....	500 00
	Chisholm, 10th and 20th side road.....	600 00
	Chisholm and Ferris, between 19 and 21....	250 00
	Carden roads.....	500 00
	Cardiff, Dysart, Sherbourne & Stanhope roads	2,000 00
	Cavendish roads.....	200 00
	Cordova road.....	400 00
	Corunda Mine road .....	400 00
	California road to Tamworth.....	300 00
	Clarendon, Westport and Mississippi road ..	500 00
	Chalk River bridge .....	400 00
	Combermere and Barrys Bay road.....	500 00
	Carlow and Combermere road.....	300 00
	Dunnet township roads .....	600 00
	Dalton roads.....	500 00
	Eldon roads.....	300 00
	Field township roads.....	500 00
	Ferris, cons. 12, 13 and 16 road .....	350 00
	Ferris, cons. 4 and 8.....	300 00

## XII. COLONIZATION ROADS.—Continued.

No. of Vote.	SERVICE.	To be voted for 1905.
<b>63</b>	<b>East Division. —Continued</b>	
	Ferris and Widdifield town line .....	200 00
	Ferris, 6 and 7.....	300 00
	Ferris road, between lots 20 and 21.....	400 00
	French line road.....	100 00
	Frontenac road in Olden.....	400 00
	Freeman's Mill road.....	200 00
	Gibbons township road.....	300 00
	Grant township road.....	200 00
	Garson township, 1st and 2nd concessiou... ..	200 00
	Great Desert road, Bonfield .....	300 00
	Galway and Cavendish road.....	200 00
	Galway roads.....	300 00
	Golden Lake road, South Algona .....	300 00
	Gratton, 6th concession.....	400 00
	Hugel and Badgerow town line.....	500 00
	Hugel township roads.....	800 00
	Head, Clara and Maria road.....	400 00
	Harvey township roads.....	800 00
	Havelock and Cordova road.....	300 00
	Herschell and Faraday road.....	400 00
	Hinchinbrooke roads.....	300 00
	Hagarty, 8th concession.....	400 00
	Hyde, Chute and Sansen road.....	400 00
	High Falls and Hartington road.....	200 00
	Holleford and Desert Lake road.....	200 00
	Indian River bridge.....	400 00
	Jennings township roads.....	400 00
	Kirkpatrick township roads.....	600 00
	Lutterworth, Anson and Minden roads....	1,200 00
	L'Amable Station and Fort Stewart road....	800 00
	Long Lake and Opeongo road .....	250 00
	Loboro road, between lots 14 and 17, con. 8..	200 00
	Martland and Cosby road.....	900 00
	Monetteville road.....	1,000 00
	McPherson township road.....	700 00
	Mattawa and Bonfield road.....	250 00
	Mattawa and Pembroke road.....	400 00
	Monmouth and Glamorgan roads.....	1,200 00
	Maynooth and Madawaska road.....	400 00
	McLean and California road.....	300 00
	Neelon, cons 5 and 6.....	300 00
	Nosbonsing Lake and Trout Lake road....	200 00
	Nosbonsing station road.....	250 00
	Nosbonsing Lake and Corbeilles crossing..	200 00
	North Bay, Ferris and Widdifield.....	200 00
	North Bay and Nipissing Junction road....	300 00

VII. COLONIZATION ROADS.—*Continued.*

No. or Vote.	SERVICE.	To be voted for 1905.
<b>63</b>	<b>East Division.</b> — <i>Continued.</i>	
	Narrows bridge approaches.....	200 00
	North Buckhorn road.....	300 00
	North Algona, 6th concession.....	250 00
	Oak Lake road, in Methuen township.....	200 00
	Opeongo road.....	400 00
	Papineau township roads.....	600 00
	Papineau, 12th concession.....	200 00
	Papineau, 8th concession.....	250 00
	Parham and Arden road, Addington.....	250 00
	Petewawa, con. 16, lots 10 and 11.....	250 00
	Parham and Arden road, Frontenac.....	500 00
	Portland and Loboro road.....	300 00
	Queens Line road.....	100 00
	Quadville and Perrault roads.....	400 00
	Ratter township roads.....	500 00
	Renfrew and Adamston road.....	600 00
	Springer township roads.....	800 00
	Smoky Falls road.....	400 00
	Smoky Falls and Grant road.....	200 00
	Snider township bridge.....	400 00
	Sudbury and Warren road.....	800 00
	Stony Lake road in Dummer.....	200 00
	Snow and Lavant road.....	500 00
	South Algona roads.....	600 00
	Stafford township district line.....	300 00
	Sunbury and Inverary road.....	300 00
	Sydenham Lake, east side road, Loboro.....	200 00
	Victoria road, north of Victoria bridge.....	500 00
	Victoria road, south of Uphill.....	400 00
	Warren road in Dunnet.....	500 00
	Warren and Crerar road.....	200 00
	Widdifield, cons. 2 and 4.....	600 00
	Wellington road in Chandos.....	200 00
	Wallacetown, township road.....	300 00
	Wilberforce, 5th proof line.....	150 00
	Wilberforce, 10th and 15th concession road.....	300 00
	Wilberforce 22nd concession.....	350 00
	Wilberforce roads.....	500 00
	Wylie township, 8th concession.....	300 00
		-----
		61,350 00
	<b>North Division.</b>	
	Atwood and Spohn.....	1,000 00
	Algona Mills and Blind River.....	500 00
	Ansonia road, Lefroy township.....	500 00

XII. COLONIZATION ROADS.—*Continued.*

No. of Vote.	SERVICE.	To be voted for 1905.
<b>63</b>	<b>North Division.--Continued.</b>	
	Aweres township road.....	300 00
	Blue, Pratt and McCrosson road.....	1,000 00
	Barrie Island and Mills township.....	500 00
	Balfour Township road.....	500 00
	Bellingham and Iron Bridge road.....	500 00
	Blind River and Martain Lake road.....	500 00
	Blake township road.....	200 00
	Bright concession 5 to Iron Bridge.....	500 00
	Carpenter, 2nd con., lots 4 and 7.....	800 00
	Campbell township road.....	950 00
	Carnarvon and Tehkumah townships.....	700 00
	Coekburn Island townships.....	300 00
	Devlin and Burrows road.....	1,000 00
	Dilke and Nelles, sections 33 and 34.....	500 00
	Drury, Denison & Graham.....	600 00
	Day Mills and Dayton road.....	500 00
	Dryden to G. T. P.....	1,000 00
	Eton Aubrey and Sanford road.....	500 00
	Espinola road.....	500 00
	Fort Frances and Emo road.....	1,000 00
	Fort William and Stanley road.....	2,000 00
	Gillies, con. 5.....	500 00
	Gordon and Allan roads.....	350 00
	Goulais Bay road.....	2,000 00
	Honora and Little Current road.....	700 00
	Howland and Bidwell township road.....	600 00
	Haviland and Fenwick township roads.....	400 00
	Isbester Station roads.....	500 00
	Kagawong and Gore Bay roads.....	750 00
	Korah township roads.....	400 00
	Lavallee and Burris roads.....	1,000 00
	Lake Wolsey road from bridge to Burpee....	400 00
	Laird township roads.....	500 00
	Lefroy township, from sec. 14 to Coyne road	500 00
	Mather and Kingsford town line.....	1,000 00
	Morley and Ball road.....	500 00
	Morley and Pattullo town line.....	1,000 00
	Morley township road, section 10 and 15....	1,000 00
	Meldrum Bay and Silverwater roads.....	750 00
	Maedonald, Meredith and Aberdeen.....	500 00
	Mellick and Jaffray roads.....	1,000 00
	Oliver, 7th concession road.....	400 00
	Plummer additional and Lefroy.....	300 00
	Prince township roads.....	500 00
	Paipoonge, from con. C east, between con. 1 and con. B.....	400 00



## XII. COLONIZATION ROADS. —Continued.

No. of Vote.	SERVICE.	To be voted for 1905.
<b>63</b>	<b>North Division.</b> ---Continued.	
	Paipoonge, repairing Babcock bridges.....	150 00
	Paipoonge bridge repairs.....	400 00
	Paipoonge road, con. E and F.....	300 00
	Paipoonge road, lots 15 and 16.....	300 00
	Paipoonge road, con D.....	300 00
	Paipoonge side road, lot 20 and 21.....	300 00
	Rainy River road.....	1,000 00
	Scoble township road.....	400 00
	Sturgeon River bridge, Shenston.....	250 00
	Sanfield and Tehkummah.....	500 00
	St. Joseph Island roads.....	1,000 00
	Spanish Station road.....	500 00
	Silver Mountain road, con. i.....	300 00
	Stanley Bridge, east.....	400 00
	Stanley Bridge, south approach.....	200 00
	Tait and Richardson road.....	1,000 00
	Thessalon and Dayton, town line road.....	200 00
	Third and Fourth concession road, Gladstone.....	300 00
	Tarentorus township road.....	400 00
	Victoria road to Sugar lake.....	500 00
	Van Horne township road.....	500 00
	Waters township to Nairn Village.....	750 00
	Webbwood and Whitetfish road.....	1,000 00
	Webbwood and Massey road.....	500 00
		43,750 00
<b>63</b>	<b>West Division.</b>	
	Armour, 21st side road.....	200 00
	Ahmic Lake road, in Croft.....	200 00
	Ahmic Harbor and Rae's Mills, in Croft.....	200 00
	Armour Road, along 12th concession.....	200 00
	Bethune, 10th side road and 8th concession..	300 00
	Balsam road, McKellar Tp.....	200 00
	Byers' road, Nipissing township.....	300 00
	Black stone road, Foley township.....	200 00
	Beggsbury Mills to Rainy Lake, McMurrich.....	300 00
	Booth Line road.....	800 00
	Baxter and Gibson road.....	400 00
	Cardwell, Watt, Humphrey road.....	400 00
	Chaffey, Cardwell road.....	700 00
	Christie township road.....	200 00
	Christie road, 11th concession, Foley.....	200 00
	Croft road and bridges between lots 30 and 31.....	300 00
	Dilling Port road, township of Carling.....	200 00
	Distress River road in Chapman.....	200 00

XII. COLONIZATION ROADS. —*Continued.*

No. of Vote.	SERVICE.	To be voted for 1905.
<b>63</b>	<b>West Division. —Continued.</b>	
	Draper, Ryde and Oakley road .....	850 00
	Dalton and Washago road .....	300 00
	Edgington & Orange Valley road, Christie Tp.	200 00
	Franklin, and Sinclair road.....	500 00
	Foley and Conger road.....	200 00
	Great North road, Maple Island to Bear River	300 00
	Great North road in Ferguson.....	200 00
	Golden Valley road bridge, con. 8, Pringle....	400 00
	Hagerman, 8 and 9 concession.....	200 00
	Himsworth, con. 9, 23rd and 28th .....	400 00
	Little Doe Lake road, Croft Township.....	200 00
	McKenzie road, between lots 20 and 21.....	200 00
	McDougall, & Parry Sound road, McKellar Tp.	300 00
	McMurrich township roads.....	400 00
	McKellar township bridge at outlet of Lake Magnetawan.....	300 00
	Macaulay, McLean, Ridout roads.....	700 00
	Morrison, Muskoka, Medora, Wood roads.....	950 00
	Machar township roads.....	500 00
	Mills, Wilson, McConkey, Hardy & Patterson.	500 00
	Monteith and Parry Sound road.....	300 00
	Monteith township roads.....	400 00
	Matchedash road and bridges.....	600 00
	Muskoka road, Artrea North.....	400 00
	Nipissing road in Chapman and Lamb.....	200 00
	Neville road, McDougall township.....	200 00
	Northwest road in Shawanaga.....	200 00
	Nipissing township, between lots 15 and 16....	300 00
	North road in Pringle township.....	200 00
	North Himsworth, 5th sideline and 4th con....	300 00
	Nipissing road, Seguin road to Cardwell....	200 00
	Nipissing road in Spence township.....	200 00
	Otter Lake road, Foley.....	200 00
	Orange Valley road, Orrville to Seguin Falls	200 00
	Parry Sound road, Rosseau South.....	300 00
	Parry, 11th concession, road between lots 15 and 16.....	200 00
	Ryerson, concession 8 and 9.....	200 00
	Rosseau and Edgington road.....	200 00
	Stephenson and Watt road.....	800 00
	Stisted and Brunel road.....	600 00
	Stisted & McMurrich road.....	200 00
	Spence township side line between lots 20 and 21.....	300 00
	Strong township between con. 10 and 11....	200 00
	Strong and Machar town line.....	200 00

XII. COLONIZATION ROADS. —*Continued.*

No. of Vote.	SERVICE.	To be voted for 1905.	
<b>63</b>	<b>West Division.</b> --- <i>Continued.</i>		
	Still Creek bridge.....	500	00
	Strong township con. 2, bridge.....	200	00
	Trout Creek and Comanda Lake road, Gurd and Pringle.....	200	00
	Tay and Severn road.....	300	00
	Westphalia road, Trout Creek East.....	200	00
	Wolfe River road, Hardy & Mills.....	300	00
	White Oak Creek Bridge in Humphrey.....	300	00
<b>63</b>	<b>General Purposes.</b>		22,200 00
	Temiskaming roads.....	20,000	00
	New short roads and repairs.....	12,000	00
	Inspection.....	6,000	00
	To Pay balances.....	1,000	00
			39,000 00

## XIII. CHARGES ON CROWN LANDS.

*Amount to be voted, \$282,375.00.*

	1904.	1905.
<b>64</b> Expenditure on account of outside service and surveys.....	250,043 34	243,275 00
<b>65</b> Expenditure on account of Mining Development.....	23,300 00	23,300 00
<b>66</b> Expenditure on account of Parks... ..	11 100 00	15,800 00
	284,443 34	282,375 00
	Salaries and expenses.	
<b>64</b>	1904.	1905.
Board of Surveyors... ..	200 00	200 00
Agents' salaries and disbursements... ..	26,000 00	26,000 00
<i>Balance of fees re Sale of Timber Berths..</i>	4,218 34	.....
Forest ranging... ..	28,000 00	28,000 00
Forest reserves.....	8,000 00	8,000 00
Temagami (additional) and New Mississaga Forest Reserve.....	13,000 00	13,000 00
Fire ranging.....	40,000 00	40,000 00
Special timber inspection.....	5,000 00	5,000 00
Cullers' Act.....	200 00	200 00
Prevention of export of saw logs and pulp wood... ..	2,000 00	2,000 00

## XIII. CHARGES ON CROWN LANDS.

No. of Vote.	SERVICE.	Salaries and Expenses.	
		1904.	1905.
	<i>Timber Agencies :</i>		
	Agents' salary (Quebec Agency).....	1,500 00	1,500 00
	Messenger and Caretaker.....	150 00	150 00
	Contingencies.....	425 00	425 00
	Agent's salary (Ottawa Agency).....	1,250 00	1,250 00
	Clerk's Salary .....	900 00	900 00
	Contingencies.....	650 00	650 00
	<i>Surveys :</i>		
	Surveys of Townships in new districts. (Part re-vote).....	85,000 00	85,000 00
	Maps, preparation of and engraving and printing same.....	4,000 00	4,000 00
	Base and meridian lines .....	20,000 00	20,000 00
	Surveys of limits chargeable to limit holders.....	2,500 00	2,500 00
	Special surveys in Mining Districts... <i>Allowance to surveyors across height of land, season of 1903.....</i>	2,500 00 2,050 00	2,500 00
	Survey of Temagami Islands.....	2,500 00	2,000 00
		250,043 34	243,275 00
65	<b>Mining Development.</b>		
	Provincial Geologist... ..	3,600 00	3,600 00
	Surveyor and Draughtsman, Rat Portage office.....	800 00	800 00
	Rent, expenses, stationery, etc... ..	400 00	400 00
	Inspection of Michipicoten Division.....	1,000 00	1,000 00
	Travelling expenses and assistance... ..	3,000 00	3,000 00
	Geologist and Mineralogist... ..	500 00	500 00
	Geological exploration of base lines.....	500 00	500 00
	Expenses assay office and assayer, Belleville	2,200 00	2,200 00
	Experimental treatment of ores... ..	600 00	600 00
	Collection of minerals, Parliament Build- ings, and cases... ..	500 00	500 00
	Diamond drills, working expenses (percen- tage refunded by persons employing same).....	6,000 00	6,000 00
	To cover special services and unforeseen ex- penses.....	3,000 00	3,000 00
	Summer Mining Schools... ..	1,200 00	1,200 00
		23,300 00	23,300 00



XIII. CHARGES ON CROWN LANDS.

No. of Vote.	SERVICE.	1904.	1905.
66	<b>Parks.</b>		
	Algonquin National Park—		
	To cover erection of shelter lodges, salaries of Superintendent and Rangers, transplanting fish, game animals and birds, administration of justice.....	7,800 00	8,000 00
	Addition to headquarter's buildings . . . .		2,000 00
	Rondeau Provincial Park—		
	To cover salaries, Ranger and Assistant, extra ranger during shooting season, purchase of land for road making and grading the same, game animals and birds, and other expenses.....	3,300 00	3,300 00
	To extend road, building, refectory, etc		2,500 00
		11,100 00	15,800 00

XIV. REFUND ACCOUNT.

*Amount to be voted, \$40,415.80.*

67	Education .....	1,000 00	1,000 00
68	Crown Lands .....	18,500 00	37,287 10
69	Municipalities Fund .....	243 32	364 98
70	Land Improvement Fund .....	2,311 58	1,763 72
		22,054 90	40,415 80

To be voted for  
**1904.**

67	<b>Education.</b>		
	To pay withdrawals from Superannuation Fund .....		1,000 00
	<b>Crown Lands.</b>		
68	For payments made to the credit of the Department on account of uncompleted purchases, and afterwards returned to proposed purchasers on purchases not being carried out .....	7,500 00	
	For two per cent. of timber dues payable to Municipalities for timber cut on road allowances .....	6,000 00	
	Refund to settlers under the settlement of Free Grants Act of 1880 .....	5,000 00	
	Refund of moneys paid on account of Timber Sale, 1901, by J. E. Murphy re Block D. Pigeon River, contract having been cancelled by Order-in-Council, 31st January, 1905 .....	18,787 10	
			37,287 10

## XIV. REFUND ACCOUNT.

No. of Vote.	SERVICE.	To be voted for <b>1905.</b>	
<b>69</b>	<b>Municipalities' Fund.</b>		
	Amount collected in 1904 ... ..	3,764 22	
	Less 20 per cent. for commission	752 84	
	Vide Stat. Can. 18 Vic. C. 2 and 19 Vic. C. 16 .....	3,011 38	
	Balance at credit of fund 31st December, 1904. ....	121 66	
		<u>3,133 04</u>	
	To be added to grant to Public and Separate School (50 Vic. C. 5) .....	2,768 06	
			364 98
	To pay Widows' Pensions, 1904-5 .....		364 98
<b>70</b>	<b>Land Improvement Fund.</b>		
	Moneys collected from sales of Crown Lands subject to the Land Improvement Fund for the year ending 31st December, 1904 ... ..	1,436 25	
	Less 6 per cent. for cost of col- lection and management ...	86 16	
	One-fifth to the Land Improve- ment Fund .....	1,350 09	
	Vide Stat. Can. 16 Vic. C. 157 and Con. Stat. Can. C. 26...	270 02	
			270 02
	Moneys collected from the sale of Common School Lands subject to the Land Im- provement Fund for the year ending 31st Decem- ber, 1904 .....	6,356 20	
	Less 6 per cent. for collection and management ... ..	381 37	
	To be distributed as follows.....	5,974 83	
	One-quarter to the Land Im- provement Fund ... ..	1,493 70	
			<u>1,493 70</u>
			1,763 72

## XV. MISCELLANEOUS.

*Amount to be voted, \$209,700 00*

No. of Vote.	SERVICE.	Salaries and Expenses.	
71	Collection of revenue for law stamps and licenses.....	3,000 00	3,000 00
	Expenses of election and election trials... .	10,000 00	90,000 00
	Ontario Rifle Association... . . . .	1,000 00	1,000 00
	Ontario Artillery Association... . . . .	500 00	500 00
	Canadian Military Institute, for printing historical papers.....	100 00	300 00
	Grant to York Pioneers... . . . .	200 00	200 00
	Manhood Suffrage Registration.....	1,000 00	1,000 00
	Voters' lists.....	2,500 00	2,500 00
	To the widow of the late Jas. Martin, baker at Hamilton Asylum, killed by a patient .....		600 00
	Gratuities.....	19,950 00	50,000 00
	Telephone services... . . . .	4,000 00	5,000 00
	Removal of patients.....	7,000 00	7,000 00
	To cover expenses of arbitration with Canada and Quebec... . . . .	5,000 00	5,000 00
	To pay bounty, destruction of wolves.....	2,000 00	2,000 00
	Fisheries—		
	Maintenance of patrol tug in northern lakes.....	4,000 00	4,000 00
	Salaries and disbursements of outside service, travelling expenses, printing, stationery, postage, legal and miscellaneous expenses and re-stocking... . . . .	22,500 00	22,500 00
	Committee of House for Art Purposes... . . . .	1,400 00	1,400 00
	United Empire Loyalists... . . . .	200 00	200 00
	Forestry Association—Grant... . . . .	300 00	300 00
	Enforcement of Game Protection Act—(Revenue \$19,000) .....	6,000 00	10,000 00
	Statue—late Lieutenant - Governor (re-vote).....	5,000 00	4,000 00
	Law Stamp Distributor, County York, salary and expenses... . . . .	2,200 00	2,200 00
	Insurance—School of Practical Science....	1,500 00	1,500 00
	Insurance on Osgoode Hall.....	1,300 00	1,300 00
	Insurance on Central Prison .....		200 00
	Memorial South African Veterans (re-vote)	5,000 00	2,500 00
	Army and Navy Veterans... . . . .	200 00	200 00
	R.M.C. Rifle Association... . . . .	100 00	100 00
	Importation of Game Birds.....	1,400 00	1,400 00

VI. MISCELLANEOUS.—*Concluded.*

No. of Vote.	SERVICE.	1904	1905
71	Canadian Mining Institute, grant... ..	300 00	300 00
	Towards Expense of Railway Commission..	3,000 00	3,000 00
	Ministerial Association Rat Portage (pro- secutions)... ..	400 00	400 00
	Enforcing Liquor License Act... ..	4,000 00	4,000 00
	City Firemen <i>re</i> fire Parliament Buildings.	200 00	.....
	Nightwatchman, Honorarium <i>re</i> fire Par- liament Buildings	100 00	.....
	Re-printing Statutes, etc., on account of fire... ..	5,000 00	2,000 00
	Assistant King's Printer—extra work <i>re</i> fire account .....	.....	100 00
	Parliament Buildings, to cover damage by fire .....	900 00	.....
	Purchase Trinity Medical School... ..	12,000 00	.....
		133,250 00	209,700 00

## XVI. UNFORESEEN AND UNPROVIDED

72	To meet unforeseen and unprovided expenses	50,000 00	50,000 00
73	To defray the expenses of legislation, pub- lic institutions, maintenance and sal- aries of the officers of the Government and Civil Service for the month of Jan- uary, 1906 .....	80,000 00	80,000 00







# SUPPLEMENTARY ESTIMATES.

1905.

74

## CIVIL GOVERNMENT.

Salary additional Member Executive Council..... 4,000 00

### EDUCATION DEPARTMENT :

Deputy Minister .....	100 00
Senior Clerk and Accountant.....	100 00
Clerk of Records.....	100 00
Clerk and Assistant Accountant... ..	100 00
Clerk of Correspondence .....	50 00
Clerk of Statistics.....	50 00
Assistant Clerk of Records .....	50 00
Clerk and Stenographer.....	50 00

### CROWN LANDS DEPARTMENT :

Assistant Commissioner.....	250 00
Stenographer, Bureau of Mines.....	50 00
Stenographer, Colonization Branch.....	50 00
Stenographer, Lands Branch.....	50 00
Law Clerk.....	200 00

### PUBLIC WORKS DEPARTMENT :

Stenographer (Fisheries Branch) . . . . .	50 00
---	-------

### TREASURY DEPARTMENT :

Assistant Solicitor (Succession Duty Office) . . . . .	1,000 00
Clerical work.....	500 00

### PROVINCIAL SECRETARY'S DEPARTMENT :

Assistant Secretary.....	200 00
--------------------------	--------

### INSPECTION PUBLIC INSTITUTIONS :

First Class Clerk.....	100 00
Clerk and Messenger .....	50 00
Changes in system of Bookkeeping and special reports on the Industrial undertakings of the different Institutions.....	3,000 00

### LICENSE BRANCH :

Junior Second Class Clerk.....	50 00
--------------------------------	-------

### PROVINCIAL BOARD OF HEALTH :

Stenographer.....	450 00
-------------------	--------

### INSURANCE BRANCH :

Assistant Registrar Friendly Societies .....	100 00
First Clerk.....	50 00

## NEGLECTED CHILDREN'S BRANCH :

Superintendent and Inspector.....	300 00
Stenographer.....	50 00

## DEPARTMENT AGRICULTURE :

Assistant Secretary.....	100 00
First Class Clerk and Minister's Secretary.....	100 00

## MISCELLANEOUS :

Clerk (King's Printer).....	50 00
-----------------------------	-------

---

 11,350 00

75

## LEGISLATION.

Law Clerk.....	200 00
Bureau of Archives, securing documents, etc.....	1,000 00
Assistant Postmaster.....	200 00
House Messengers.....	100 00
Printing Bills and distributing Statutes.....	1,000 00

---

 2,500 00

76

## ADMINISTRATION OF JUSTICE.

## SUPREME COURT OF JUDICATURE :

Judges' Library.....	200 00
----------------------	--------

## COURT OF APPEAL :

Contingencies.....	450 00
--------------------	--------

## CENTRAL OFFICE :

(2) Assistants.....	96 00
---------------------	-------

## REGISTRAR'S OFFICE :

Usher.....	100 00
do and Stenographer.....	100 00

## DIVISION COURT :

Junior Clerk.....	100 00
-------------------	--------

## RAINY RIVER DISTRICT :

Magistrate, Town of Rat Portage.....	600 00
--------------------------------------	--------

## ALGOMA DISTRICT :

Lock-up Keeper, Killarney.....	100 00
Furnishings and supplies.....	50 00

## MISCELLANEOUS :

Shorthand Reporter's Contingencies.....	1,200 00
Salaries Inspectors Criminal Investigations.....	100 00

---

 3,096 00

77

## EDUCATION.

Printer.....	50 00
Registrar Education Department.....	100 00
Public Libraries, Clerk.....	50 00



Library and Museum, Assistant Librarian.....	50 00	
Grant to Essex Historical Society.....	100 00	
Grant to Royal Astronomical Society.....	300 00	
Printing University Historical Papers (additional) .....	400 00	
Purchase of Text books by Schools.....	1,000 00	
Preparation of Catalogue for Museum.....	750 00	
Registrar and Librarian, School of Practical Science.....	100 00	
Women's Wentworth Historical Society .....	100 00	
Association of Chemical Industry .....	200 00	
TORONTO NORMAL AND MODEL SCHOOLS:		
Instructor in Household Science.....	50 00	
OTTAWA NORMAL AND MODEL SCHOOLS:		
Head Master, Boys' Model School.....	50 00	
MAINTENANCE EDUCATION DEPARTMENT:		
Painting iron fences.....	300 00	
INSTITUTION FOR THE DEAF AND DUMB, BELLEVILLE:		
Instructor of Manual Training.....	50 00	
Lady Teacher.....	50 00	
Engineer.....	50 00	
Stoker.....	60 00	
Night Watchman .....	36 00	
		3,846 00
78	PUBLIC INSTITUTIONS MAINTENANCE.	
Third Assistant Physician, Hamilton Asylum.....		100 00
79	COLONIZATION AND IMMIGRATION.	
Further sum for Immigration purposes.....	4,000 00	
Grant Women's Welcome Hostel .....	1,000 00	
		5,000 00
80	AGRICULTURE.	
Director Manual Training, Macdonald Institute, Guelph....	200 00	
Vegetable Growers' Association.....	600 00	
Fruit, Flower and Honey Show (additional).....	500 00	
Grant to Horse Fairs.....	1,000 00	
Wellington Dressed Meat and Cold Storage Building .....	500 00	
Port Arthur and Fort William Exhibition.....	1,800 00	
Winter Fair Building, Guelph.....	1,500 00	
		6,100 00
81	HOSPITALS AND CHARITIES.	
Society for reclamation of Inebriates, dispensary purposes.		300 00
82	MAINTENANCE AND REPAIRS.	
REGISTRAR GENERAL'S BRANCH:		
Additional shelving.....	300 00	
CROWN LANDS DEPARTMENT:		
Vault fittings, etc.....	1,000 00	
		1,300 00

83 PUBLIC BUILDINGS.	
PARLIAMENT BUILDINGS :	
Additional offices and fittings.....	4,000 00
NORMAL AND MODEL SCHOOL, OTTAWA :	
Fitting up two class rooms.....	450 00
Cement sidewalks in front of school property.....	725 00
LONDON NORMAL SCHOOL :	
Purchase of land.....	2,000 00
OSGOODE HALL :	
Radiators for heating vault, King's Bench and Common Pleas Divisions.....	100 00
INSTITUTE FOR BLIND, BRANTFORD :	
Repairs, drains, etc.....	300 00
Supplies for Engineer's Department.....	250 00
Farm and Garden.....	800 00
Educational appliances.....	450 00
Electrical bells and wiring.....	200 00
INSTITUTE FOR DEAF AND DUMB, BELLEVILLE :	
Cement sidewalks.....	500 00
To renew fencing.....	400 00
SCHOOL OF PRACTICAL SCIENCE :	
Connecting fume cabinets .....	5,900 00
LONDON ASYLUM:	
Balance due for Trebilcock Farm.....	11,000 00
Additional wire fencing .....	150 00
KINGSTON ASYLUM:	
Furniture and Furnishings for additional population ..	200 00
Improvement in lavatories.....	536 00
CENTRAL PRISON :	
Conservatory .....	750 00
Piano and two organs for religious services.....	650 00
MERCER REFORMATORY:	
Boundary fence .....	200 00
Additional laundry plant.....	1,500 00
RAINY RIVER DISTRICT:	
Improvement to Lock-up, Fort Francis .....	200 00
PARRY SOUND DISTRICT :	
Lock-up, South River.....	500 00

AGRICULTURAL COLLEGE:

Building double house for farm foreman and foreman of Department of Field Experiments .....	3,000 00	
Cases for new College Museum .....	650 00	
Ventilating Massey Hall and Library .....	400 00	
		35,811 00

84

PUBLIC WORKS.

Township of Finch—Payne River Bridges.....	2500 00	
Blind River Bridge, balance.....	61 97	
Martland Township Bridge .....	200 00	
McCarthy Creek Bridge .....	300 00	
Pottawatamie Drainage Works.....	500 00	
Removing obstructions from Maskanonge Creek .....	500 00	
South River Bridge.....	550 00	
Bridge at Baysville, to pay balance .....	900 00	
Wilson Island Bridge, Trent River.....	1,000 00	
Powassan Bridges.....	300 00	
		6,811 97

85

COLONIZATION ROADS.

Airy Township road .....	200 00	
Beaudreau and Gold Rock road... ..	100 00	
Boulter township roads.....	300 00	
Broken Front and Mason road.....	300 00	
Bethune Con. 2 and 3 from Novar.....	200 00	
Darling Tp. south town line.....	200 00	
Lindsay and St. Edmund's Road.....	200 00	
Moore Lake and Dishwashie Road.....	300 00	
McIntyre and Neebing town line.....	200 00	
May Tp, 5th con. road.....	300 00	
Monk road, between Mara and Rama, east of Sebright... ..	300 00	
Patton tp. road.....	300 00	
Plummer tp. 3rd con. road, Ottertail Lake, north.....	300 00	
Main Centre Road.....	200 00	
Rayside Tp. roads.....	500 00	
Road between con. 3 and 4, Galbraith tp.....	100 00	
Road through Dorian Tp.....	500 00	
Snider Tp. road.....	400 00	
Snowden road.....	500 00	
Tamworth and Arden road.....	250 00	
Tarbutt road, between lots 4 and 5.....	500 00	
Tait and Mather town line.....	500 00	
Wells Tp. road and bridge.....	400 00	
Widdifield tp. roads.....	200 00	
White Lake road, Packingham tp.....	200 00	
Roads in Manitoulin (equal grant to be paid locally).....	750 00	
		2,800 00

86		CHARGES CROWN LANDS.	
Additional Township Surveys .....	10,000	00	
Inspection of Surveys .....	4,000	00	
Additional Maps .....	1,500	00	
Survey of base lines and exploration Temagami Forest Reserve .....	4,000	00	
Additional Fire Ranging .....	16,000	00	
Mining Inspector—Temiskaming Mining Division — 9 months at \$1,400.00 per annum.....	1,050	00	
Expenses do.....	200	00	
Rondeau Park Works.....	2,000	00	
			38,750 00
87		REFUND ACCOUNT.	
Miscellaneous .....			500 00
88		MISCELLANEOUS.	
Pedestal for Statue, late Lieutenant-Governor (Sir Oliver Mowat) .....	2,500	00	
Re-printing Statutes, etc., on account of fire, April, 1904 .	6,000	00	
Army and Navy Veterans (Monument) .....	600	00	
Gratuity, Mrs. Wm. Edwards, widow late Wm. Edwards..	1,000	00	
do W. P. Band, ex-Bursar, Boys' Reformatory.....	500	00	
do R. H. Stedman, ex-Asst. Warden, do .....	500	00	
do Mrs. Pierce, ex-Matron Kingston Asylum.....	250	00	
do Henry Wade.....	750	00	
do F. C. Law.....	1,200	00	
Balance gratuity Dr. T. F. Chamberlain.....	1,500	00	
Gratuity to widows of Messrs. Leclair and LaCelle, whose husbands were drowned while on Provincial Surveys \$200 each.....	400	00	
Temagami Game and Fish Warden and launch.....	1,500	00	
Visit International Geological Society delegates (preliminary expenses) .....	500	00	
Eastern Good Goods Association.....	200	00	
			17,400 00
Total.....			\$141,664 97







# REPORT

OF THE

# Commissioner of Crown Lands

OF THE

PROVINCE OF ONTARIO

For the Year

1904.

---

PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO

---



TORONTO :

Printed and Published by L. K. Cameron, Printer to the King's Most Excellent Majesty.  
1905.



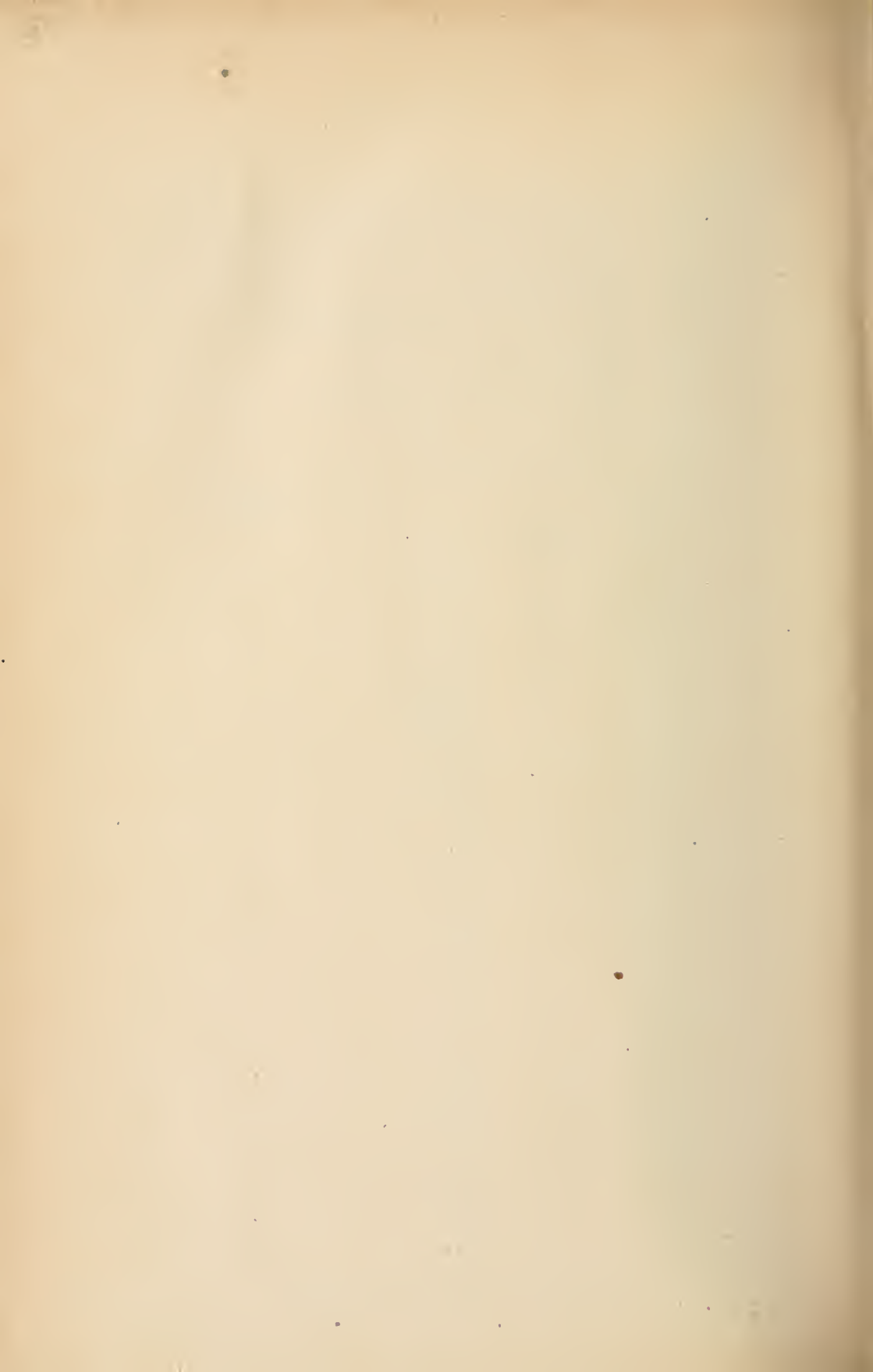
WARWICK BROS & RUTTER, Limited, Printers  
TORONTO



# INDEX.

APPENDICES :—

		PAGE.
No. 1.	Statement of Officers and Clerks in the Department .....	2
2.	“ Crown Lands Agents.....	4
3.	“ Lands sold and leased, and collections .....	5
4.	“ Gross Revenue .....	6
5.	“ Receipts considered as Special Fund .....	7
6.	“ Gross Disbursements.....	8
7.	“ Expenditure on account of various services .....	24
8.	“ Timber cut, and amounts accruing for dues, etc.....	26
9.	“ Revenue from Woods and Forests.....	28
10.	“ Patents, etc., issued .....	28
11.	“ Locations, etc., under Free Grant Act .....	29
12.	“ Work done in Military Lands Branch.....	32
13.	“ Letters received and mailed .....	33
14.	“ Municipal surveys ordered.....	33
15.	“ “ “ confirmed .....	35
16.	“ Crown surveys in progress.....	37
17.	“ “ “ completed .....	38
18.	Surveyor's Report, Base and Meridian Lines, District of Algoma.....	40
19.	“ “ “ “ Nipissing.....	42
20.	“ “ “ “ “ .....	44
21.	“ Township of Murphy .....	48
22.	“ “ Hoyle .....	49
23.	“ “ Gowan .....	50
24.	“ “ Tully .....	52
25.	“ “ Prosser.....	55
26.	“ “ Little .....	57
27.	“ “ Mann.....	59
28.	“ “ Dundonald.....	61
29.	“ “ McCart .....	62
30.	“ “ Matheson .....	63
31.	“ “ German.....	63
32.	“ “ Calvert.....	64
33.	“ “ Aurora.....	66
34.	“ “ Clergue.....	67
35.	“ “ Teefy .....	68
36.	“ “ Stock .....	70
37.	“ “ Taylor .....	72
38.	“ “ Carr .....	73
39.	“ “ Bond .....	75
40.	“ “ Bowman .....	77
41.	“ “ Egan.....	79
42.	“ “ Warden.....	81
43.	“ “ Beatty .....	82
44.	“ “ Munro .....	84
45.	“ “ Rickard.....	85
46.	“ “ Knox .....	86
47.	“ “ McCool .....	88
48.	“ “ Barnet.....	91
49.	“ “ Cook .....	92
50.	“ “ McMann .....	94
51.	“ “ Sheraton.....	96
52.	“ “ Burt .....	97
53.	“ “ Holmes .....	99
54.	“ “ Pense .....	100
55.	“ “ Coleman.....	101
56.	“ “ Dewart.....	104
57.	“ “ Toyell .....	105
58.	“ “ Britton .....	106
59.	“ “ Rowell.....	109
60.	“ “ Hartman.....	111
61.	“ “ Revell .....	114
62.	“ “ Dance.....	116
63.	“ “ Fleming .....	117
64.	“ “ Pearson .....	118
65.	Report of the Superintendent of Algonquin National Park .....	120
66.	“ “ “ “ Rondeau Provincial Park .....	121
67.	List of Licensed Cullers.....	123



REPORT  
OF THE  
COMMISSIONER OF CROWN LANDS  
OF THE  
PROVINCE OF ONTARIO  
FOR THE YEAR  
1904

To His Honour the Honourable WILLIAM MORTIMER CLARK,  
*Lieutenant-Governor of the Province of Ontario:*

May it Please Your Honour:

As required by law, I submit for the information of Your Honour and the Legislative Assembly, a report for the year ending on the 31st December, 1904, of the management of the Crown lands of the Province.

CLERGY LANDS.

The area of Clergy lands sold during the year was 286 acres aggregating in value \$160.25. The collection on account of these and former sales amounted to \$3,764.22. (See appendix No. 3, page 5.)

COMMON SCHOOL LANDS.

The area of these lands sold during the year was 103 acres the value of which was \$450. The collection on account of these sales and those of former years was \$9,772.73. (See appendix No. 3, page 5)

GRAMMAR SCHOOL LANDS.

The area of these lands sold during the year was 521 acres for a sum of \$504.12. The collection on account of these and sales in former years was \$849.26. (See appendix No. 3, page 5.)

UNIVERSITY LANDS.

The area of these lands sold during the year was 2,731 acres for \$2,175.61. The collection on account of these and sales of former years was \$1,647.72. (See appendix No. 3, page 5.)

## CROWN LANDS.

During the past year there were sold for agricultural purposes 72,781 acres for a sum of \$47,044.41. The collections on account of these and sales of former years was \$64,517.94. There were sold for mining purposes 3,440 acres for \$8,321.80. There was collected on account of conversion of mining leases into patents \$9,920.38. The collection on account of mining leases was \$15,109.30. There were leases for mining purposes 11,002 acres at a rental of \$10,762.06. The collection on account of these and former leases was \$28,579.46. The total area of lands sold and leased during the year was 102,866 acres. The total collection on account of Crown Lands was \$126,268.83.

The Temiskaming region has continued to attract the largest proportion of new settlers, the character of the country as a fine agricultural region being well established. The newly surveyed townships are reported to be level and well adapted for farming and many people took up land in them before they were opened for settlement. The construction of the Temiskaming and Northern Ontario Railway has opened up the country to the north of New Liskeard and the immediate extension to the proposed junction with the Grand Trunk Pacific will result in there soon being a continuous settlement from Montreal River to the junction of the two railways.

The Free Grant districts have continued to attract home-seekers, especially the Rainy River District. There were eight townships surveyed in this district during the past summer, the lands in which were all applied for as soon as the survey was complete.

The best lands in the older Free Grant districts have been taken up and the new locations are principally to sons and relatives of the old settlers. The branch of the Canadian Pacific Railway from Romford, on the main line, to Byng Inlet, is being rapidly carried on, and as soon as it is completed a considerable area of land in the western part of the Parry Sound District will, for the first time, be easily accessible. The construction of the Canadian Northern Railway west of the Muskoka chain of lakes will also open up a region hitherto without railway facilities.

The settlers in the newer parts of the Province are fairly prosperous, work being plentiful and markets for all kinds of produce excellent.

## MILITARY GRANTS.

During the year there were 1,610 certificates issued under I. Edward VII. Cap. 6, authorizing parties to select locations. This makes a total of 11,860 certificates issued to date. Location certificates, securing the land to the veteran for ten years from date of location, upon certain conditions, were issued to 2,040 veterans in 124 townships, the great majority being in the Temiskaming and Rainy River districts. Of these 170 were assigned and 60 were accepted subject to settlement regulations. One half of those entitled to military grants have not yet selected their locations, owing to the desire to secure them in the New Districts, but in which sufficient lands have not yet been surveyed.

The last amendment to the Act above mentioned, required all applications for military grants to be filed in the Department before the 1st July, 1904. A number of South African volunteers were late in making application for the grant. Some of these claim to have only returned from South Africa, others had never heard of the grant. There are also several applications on file from veterans of 1865, 1866 and 1870 received too late to be considered.

## MINING INDUSTRY.

The mining industry continues to develop, and as exploration goes on, the extent and variety of the mineral resources of the Province become more



apparent. The rich discoveries of native silver and cobalt nickel ores noted in last year's report as having been made near Haileybury, have excited widespread attention, and additional deposits were brought to light in 1904. Some five or six of the veins have been opened up, and a large quantity of the ore extracted. It may be expected that a considerable part of the district, especially where the geological conditions resemble those at Cobalt Lake, the site of the original discoveries, will be prospected during 1905, and that the demand for mining lands will be stimulated. From appearances, Ontario will soon supply the greater part of the world's requirements in cobalt as well as nickel.

In other departments of mining, such as nickel-copper and iron ore, there has been expansion. During the year the Mond Nickel Company, Victoria Mines, which was inactive at the close of 1903, resumed operations, and the Canadian Copper Company, the chief producer of nickel, completed the construction of its extensive metallurgical plant at Copper Cliff.

At Loon Lake, near Port Arthur, investigation has proven the existence of large bodies of hematite, and there is a prospect of the establishment of a blast furnace at Port Arthur, where the ores of the Atikokan and other ranges will be smelted into pig iron. There are now four iron smelters in operation in Ontario, as against three in 1903, the fourth having been blown in during the year by the Lake Superior Corporation at Sault Ste. Marie.

#### COLLECTIONS.

The total collections of the Department from all sources of revenue under its control amounted to \$2,781,272.66. Of this \$126,268.83 was derived from sales and leases of Crown Lands, \$2,650,782.56 from Woods and Forests, and from miscellaneous \$4,221.28. (See Appendix No. 4, Page 6.)

#### DISBURSEMENTS.

The total disbursements of the Department were \$284,227.37. This includes the following services:—Agents' salaries, \$35,666.90; Forest Ranging, \$33,391.00; Fire Ranging, \$42,989.48; Mining development, \$12,154.31; Surveys, \$101,299.60; Refunds, \$14,601.89; Forest Reserves, \$10,199.66. It also covers \$58,896.91 for special services under direction of the Department as follows:—Colonization and Immigration, \$19,889.94; Diamond Drill, \$2,573.22; Iron Mining Fund, \$25,000.00; Parks, \$10,176.18. (See Appendices 6 and 7, Pages 8 and 24.)

#### WOODS AND FORESTS.

(The total revenue from Woods and Forests was \$2,650,782.56. Of this \$1,614,268.31 was received on account of bonuses; \$919,471.21 on account of timber dues; \$64,997.03 on account of ground rent, and \$2,056.00 on account of Transfer Fees. (See Appendix No. 4, Page 9.)

#### CULLER'S EXAMINATIONS.

Culler's Examinations were held at Huntsville, Arnprior, and Rat Portage during the year, when 88 candidates were successful and were granted certificates authorizing them to act as Cullers.

#### PULP WOOD.

It will be noticed that there is a considerable falling off in the quantity of pulp wood taken out during the year. This is accounted for by the fact that the Sault Ste. Marie Pulp and Paper Company did not take out any pulp wood last season.

The Sturgeon Falls Pulp Mill has been operated continuously during the season and an extensive addition is now contemplated, which will practically double its capacity.

The Spanish River Pulp and Paper Company, it is understood, have succeeded in getting their dam into place and before long their mills will be in operation.

The other pulp concessions, which are in existence, are the Nepigon, Rainy River, Keewatin and the Blanche. The first four of these have not yet proceeded with any active developments. The territory covered by the Blanche River Pulp concession has been almost entirely settled, and the lands have passed into the hands of settlers.

#### FIRE RANGING.

There were 318 Fire Rangers on duty in the forest during the last summer exclusive of those engaged in Algonquin Park and the Forest Reserves. The cost of the Fire Ranging Service for the year was \$82,589.48, of which the Department paid \$42,989.48, as its proportion, leaving \$40,000 as the proportion to be paid by the Licensees.

Of the 318 Rangers 290 were distributed over licensed territory, 12 on the Temiskaming and Northern Ontario Railway and 16 elsewhere on lands of the Crown not under license. The Rangers along the line of the Temiskaming and Northern Ontario Railway were under the supervision of a Chief Ranger, who was clothed with Magisterial powers, so as to try promptly any offenders against the Fire Act. A Ranger was also placed on the construction of the branch of the Canadian Pacific Railway between Romford Station and Byng Inlet on the Georgian Bay. Several Rangers were placed in the Rainy River District on unlicensed lands, and one was on the head waters of the Missanabie and Moose Rivers, so as to post up notices on the portages and have a general supervision of parties using these waterways.

No serious fires occurred on licensed lands. There were two fires in the Temagami region, one near Net Lake, which would certainly have developed into a very serious fire had it not been promptly suppressed by the Rangers on the spot. The other was on Horse Island in Lake Temagami, which was suppressed by the Rangers in the Reserve. There were also two fires in the western Temagami Reserve, which would no doubt have assumed very serious proportions had they not been suppressed by the Rangers.

The extension of the Temiskaming and Northern Ontario Railway will render it necessary that a large staff of Fire Rangers be employed there during the coming season. The supervision along this railway last season was very close, the line being patrolled by Rangers using railway velocipedes, which enabled them to follow the trains from one division to another, so as to see that no fires were caused by sparks from the locomotives, etc.

#### THE PROVINCIAL PARKS.

The reports of the Superintendents of Algonquin National Park and Rondeau Provincial Park will be found in appendices Nos. 65 and 66 respectively, pages 121 and 123.

#### CROWN SURVEYS.

The following Crown Surveys have been carried out this year:—

Two Hundred and Ninety-four and one-half miles of base and meridian lines have been run in the Districts of Nipissing and Algoma, such lines being run to form the bases of future subdivision surveys. Forty-four townships

have been subdivided into lots and concessions, the following being a list of the names and Districts in which they occur: In the District of Nipissing, the Townships of Gowan, Little, Mann, Dundonald, McCart, Matheson, German, Calvert, Aurora, Clergue, Teefy, Stock, Taylor, Carr, Bond, Bowman, Egan, Warden, Beatty, Munro, Rickard, Knox, McCool, Barnett, McCann, Sheraton, Burt, Holmes, Pense, Cook and Coleman. Thirty-one in all. In the District of Algoma, Townships of Murphy, Hoyle, Tully, Prosser. In the District of Thunder Bay, Township of Pearson, near Fort William. In the District of Rainy River, Townships of Dewart, Tovell, Britton, Rowell, Hartman, Revell Dance and Fleming. Most of these Townships have been reported by the surveyors as containing a large percentage of good agricultural land.

The islands in Lake Temagami, in the District of Nipissing, were also surveyed during the year, to the number of 1,258. A plan of the survey is in course of preparation, and will shortly be engraved and published.

A number of timber berths in the Districts of Algoma, Nipissing and Rainy River, were also surveyed during the year. Several other minor surveys have been performed during the year.

Owing to the fine summer most of the surveyors were able to finish their contracts.

The Surveyors' Reports so far as received and examined will be found in appendices 18 to 64 inclusive, pages 40 to 120 inclusive.

#### MUNICIPAL SURVEYS.

The Department has during the year, on the petitions of the Municipalities of the Town of Peterborough, Township of York, Township of Hinchinbrooke, Township of Toronto, Town of New Liskeard, County of Carleton, United Counties of Stormont, Dundas and Glengarry, issued instructions for the survey of portions of townships and towns within said Municipalities, namely, the right of way or road allowance along the west bank of the Otonabee River from Wolfe street to Hunter street, in the Town of Peterborough, in the County of Peterborough. In the Township of York, in the County of York, the original allowance for road in rear of lots 39 and 40, in the broken front concession of the Township of York, from Ellis Avenue to the River Humber: In the Township of Hinchinbrooke, in the County of Frontenac, line between the 6th and 7th concessions across lots Nos. 8 to 16 inclusive. In the Township of Toronto, in the County of Peel, to survey the allowance for road between the 1st and 2nd ranges Credit Indian Reserve south of Dundas street, from the northwest angle of lot No. 8, 1st range, across lots Nos. 9 to 14 inclusive in the 1st range, and lots Nos. 6, 9 and 10, in the 2nd range Credit Indian Reserve, and thence along the road allowance between the 2nd range Credit Indian Reserve and the 2nd concession of Toronto Township south of Dundas street, being across parts of lots 22, 23, 24 and 25 in the 2nd concession south of Dundas street to the westerly limit of said lot 25, being the easterly limit of the allowance for road between lots Nos. 25 and 26, known as the Lorne Park Road, and as regards the 2nd range on the northerly side of said road allowance being across parts of lots 10, 11, 12 and 13, Credit Indian Reserve. The Town of New Liskeard, in the District of Nipissing, to survey the boundaries thereof in accordance with the description embodied in the Proclamation of date 30th March, 1903. Osgoode and Mountain, to survey the allowance for road forming the boundary between the Township of Osgoode in the County of Carleton, and the Township of Mountain in the County of Dundas.

The following Municipal Surveys have been confirmed during the year under the provisions of the Revised Statutes of Ontario, 1897, chapter 181, sections 14 and 15, such surveys so confirmed being final and conclusive. The town



line between the Township of Logan in the County of Perth and the Township of McKillop in the County of Huron, from the front of the 13th concession of each of said townships northerly to the north town line of the townships. That part of the line between the 5th and 6th concessions of the Township of Hinchinbrooke, in the County of Frontenac, from lot 25 southerly to lot 11 inclusive. The line between the 2nd and 3rd concessions of the Township of Hinchinbrooke, in the County of Frontenac, across lot No. 24. The original road allowance between lots 16 and 17, in the 3rd concession of the Township of Pickering, in County of Ontario. The road allowance between lots Nos. 5 and 6, from concession No 3, to concession No. 8, both inclusive, in the Township of Ross, in the County of Renfrew. The original allowance for road running in rear of lots 39 and 40, in the broken front concession of the Township of York, in the County of York, from Ellis Avenue to the River Humber. The boundaries of the Town of New Liskeard in the District of Nipissing, in accordance with the description embodied in the Proclamation of date 30th March, 1903.

The particulars relating to these surveys will be found in appendices Nos. 14 and 15, pages 34 to 37 inclusive.

#### MINING AND OTHER SURVEYS.

The Mines Act of 1897, and amendments thereto, require that applicants to purchase or lease mining lands in unsurveyed territory shall file in the Department Surveyor's plans (in duplicate) of their proposed mining locations, with field notes and descriptions by metes and bounds, before any sale or lease can be carried out, and under Orders-in-Council, dated 23rd of January, 1892; 3rd December, 1892; 29th April, 1886; and 22nd September, 1893, applicants to purchase islands or locations for agricultural purposes in unsurveyed territory are required to file surveyor's plans (in duplicate) of their locations, with field notes and descriptions by metes and bounds; the locations to be of the form and size, wherever practicable, prescribed by the Mines Act, together with the necessary affidavits.

Under the above Act and regulations, in the Districts of Parry Sound, Nipissing, Algoma, Rainy River and Thunder Bay, an area of 8,639 63/100 acres has been sold and patented during the year, for which the sum of \$14,961 00 has been received; and an area of 9,523 1/100 acres has been leased at \$1.00 per acre for the first year's rental.

#### COLONIZATION AND IMMIGRATION.

By arrangement with the railway companies, special rates of fare are given land settlers upon certificates issued by the Director of Colonization. During the year 1,350 certificates were issued, but many land seekers and settlers moved to the new districts who were not aware of this arrangement.

The increase in Immigration to the Province has been very marked during the year, and it is satisfactory that the immigrants have been of a very good class, and the great majority of them from the Mother Country.

The total immigration to the Province for the year, according to returns obtained from the Dominion Immigration Agents at the ports of entry, amounted to 24,965.

Of these, 19,780 were English, Irish, Scotch or Welsh; 1,177 Scandinavians; 575 Italians; 997 Hebrews from various countries, the larger number, 754, from Russia.

The establishment of a Farm Labor Bureau in connection with immigration has proved of great assistance not only to the immigrants but to the farmers of



---

the Province. The policy of the Department has been to encourage immigrants to engage with an Ontario farmer as a laborer for at least a year before buying land of their own, and during the year 5,000 immigrants were distributed by the Bureau among the farmers who had applied for their assistance. Many farmers engaged help from among the immigrants as they arrived, without the aid of the Bureau.

Department of Crown Lands,  
20th February, 1904.

J. J. FOY,  
Commissioner.



---

---

# APPENDICES.

---

---

Appendix No. 1.  
Return of Officers and Clerks of the Department of Crown Lands for the year 1904.

Branch.	Name.	Designation.	When Appointed.	Salary Per Annum.	Remarks.
	Hon. E. J. Davis .....	Commissioner .....	1889 Oct. 21 .....	\$4,000	
	Hon. A. G. MacKay .....	Commissioner .....	1904 Nov. 23 .....	4,000	
	Aubrey White .....	Assistant Commissioner .....	1882 Jan. 1 .....	3,250	
	George Kennedy .....	Law Clerk .....	1872 Feby. 1 .....	2,200	
	Selby Draper .....	Secretary .....	1903 Jan. 1 .....	1,000	
	J. J. Murphy .....	Chief Clerk .....	1872 May 1 .....	1,900	
	E. S. Williamson .....	Clerk .....	1889 May 1 .....	1,400	
	W. R. Ledger .....	Clerk .....	1894 Feby. 5 .....	900	
	Walter Cain .....	Clerk .....	1903 Mar. 6 .....	900	
	May Bengough .....	Clerk .....	1896 Oct. 23 .....	550	
	R. H. Browne .....	Clerk .....	1900 Mar. 2 .....	1,200	
	R. T. Winter .....	Clerk .....	1904 Jan. 13 .....	650	
	M. C. Jaffray .....	Clerk .....	1904 Nov. 9 .....	450	
	H. F. O'Neill .....	Clerk .....	1904 Nov. 9 .....	450	
	O. B. Kirkpatrick .....	Director of Surveys .....	1885 Jan. 30 .....	2,200	
	J. F. Whitson .....	Clerk .....	1892 Sept. 1 .....	1,400	
	W. F. Lewis .....	Clerk .....	1872 Feby. 5 .....	1,000	
	D. G. Boyd .....	Clerk .....	1897 Sept. 27 .....	1,200	
	B. Proctor .....	Clerk .....	1887 Jan. 15 .....	800	
	E. M. Jarvis .....	Clerk .....	1904 Oct. 19 .....	800	
	H. Treby .....	Clerk .....	1904 Jan. 13 .....	850	
	M. H. W. Kirkland .....	Clerk .....	1904 Nov. 23 .....	400	
	C. S. Jones .....	Chief Clerk Patents .....	1890 May. 22 .....	1,650	
	C. E. Burns .....	Clerk .....	1900 Apl. 9 .....	800	
	W. S. Sutherland .....	Clerk .....	1902 June. 13 .....	1,000	
	W. Carrell .....	Clerk .....	1904 Jan. 15 .....	900	
Sales					
Free Grants					
and					
Military					
Grants.					
Surveys and					
Patents.					



Woods and Forests.	J. A. G. Crozier	Chief Clerk	1867 Dec. 1	1,800
	Kenneth Miller	Clerk	1891 Nov. 1	1,100
	H. Gillard	Clerk	1909 Apl. 9	850
	J. B. Cook	Clerk	1903 Jany. 1	800
	F. J. Niven	Clerk	1893 Aug. 1	1,250
	W. F. Trivett	Clerk	1904 Jany. 13	750
	R. H. Hodson	Clerk	1904 Nov. 23	700
Accounts Branch	D. G. Ross	Accountant	1861 Apl. 15	1,850
	E. Leigh	Clerk	1873 Dec. 20	1,200
	M. J. Ferris	Clerk	1892 Apl. 1	1,100
	A. E. Robillard	Clerk	1894 May 4	800
	H. M. Lount	Clerk	1904 Nov. 1	1,000
	F. Yeigh	Registrar	1880 Mar. 1	1,500
	H. Cartwright	Clerk	1893 Oct. 1	1,100
Bureau of Mines.	T. W. Gibson	Director	1891 June 19	2,500
	W. E. H. Carter	Secretary	1901 Feby. 10	1,300
	Anne Moffatt	Stenographer	1901 Mar. 1	500
	Jules Ferry	Clerk	1904 Jany. 13	400
Colonization and Forestry	Thomas Southworth	Director	1895 Apl. 17	2,000
	Judson F. Clark	Forester	1904 Aug. 1	1,600
	Geo. W. Yates	Secretary	1899 Feby. 26	1,300
	A. Robertson	Clerk	1882 Dec. 1	950
	J. Cadieux	Clerk	1903 Jany. 1	800
	N. McLeod	Stenographer	1903 Jany. 1	500
	E. M. Persse	Constable at Station	1899 Jany. 1	600
	H. Brophy	Messenger and Caretaker	1893 Oct. 1	600

D. G. ROSS,

Accountant

AUBREY WHITE,

Assistant Commissioner,

## Appendix, No. 2.

## List of Land Agents for the year 1904.

Name.	Post Office Address.	District or County.	Date of Appointment.	Salary Per Annum.	Remarks.
Annis, A. E.	Dryden	Part of District of Rainy River	1895, Nov. 28th	200	Agent for Sale of Land.
Armstrong, Jno.	New Liskeard	Lake Temiscaming, District of Nipissing	1893, Oct. 27th	500	do
Best, S. G.	Magaretawan	Part of Parry Sound District	1875, Mar. 23rd	500	
Bishop, H. E.	Marksville	Town Plot of Hilton	1896, Mar. 23rd		Without Salary.
Buchanan, Thos.	Thessalon	Part of Algoma District	1901, Nov.	300	Agent for Sale of Land.
Campbell, Wm.	Stratton Station	Part of District of Rainy River	1897, Aug. 12th	300	
Cockburn, J. D.	Sturgeon Falls	" Nipissing District	1884, May 21st	500	
Cloutier, A. L.	Thessalon	Homestead Inspector	1904, Nov. 23rd	1,200	
Eastland, T. G.	Apsley	Part of County of Peterborough	1896, July 10th	300	Agent for Sale of Land.
Ellis, James	Parry Sound	" Parry Sound District	1898, Dec. 1st	500	
Gilligan, B. J.	Mattawa	" Nipissing District	1904, Jan. 1st	300	
Handy, E.	Emsdale	" Parry Sound	1879, Jan. 3rd	500	
Hartle, Wm.	Minden	" Victoria	1895, Nov. 28th	350	
Holland, C. J.	Fort Frances	Town Plot of Alberton, etc.	1892, Oct. 12th	300	Mining and Land Agent.
Hamilton, Alex.	Warren	Part of Nipissing District	1901, May 18th	250	Agent for Sale of Lands.
Hesson, W. H.	Port Arthur	" Thunder Bay District	1903, July 8th	500	
Kirk, Wm.	Bracebridge	" Muskoka District	1892, July 28th	500	
Macdonald, D. F.	Parry Sound	Homestead Inspector	1904, Dec. 16th	1,200	
Patton, W. H.	Killarney	Town Plot of Killarney	1895, Mar. 2nd	Commis in	Agent for Sale of Land.
Ryan, T. J.	Sudbury	Part of Algoma	1888, June 15th	500	Mining and Land Agent.
Scott, W. F.	New Liskeard	Homestead Inspector	1903, Nov. 21st	1,200	
Seegmiller, M.	Rat Portage	District of Rainy River	1903, Oct. 15th	800	Mining and Land Agent.
Scarlett, J. S.	Pawassan	Part of Parry Sound	1880, June 17th	500	
Stephenson, Wm.	Emo	" Rainy River District	1896, June 6th	300	
Stewart, C. R.	Haliburton	" District of Hastings & Peterborough	1882, May 1st	500	
Stewart, James	Pembroke	" Renfrew	1891, Sept. 26th	300	
Tait, J. R.	L'Amable	" Hastings	1869, May 28th	300	
Whelan, Jno.	Brudenel	" Renfrew	1884, Sept. 19th	300	
Wood, A. W.	Plevna	" Frontenac and Addington	1892, Dec. 1st	100	Also in chge of E. Forest Reserve
Whalen, R. J.	Walford	" Algoma District	1903, Apl. 28th	500	Agent for Sale of Land.
Yeung, H. N.	Sault Ste. Marie	" "	1901, Nov. 23rd	300	Free Grant and Sales Agent.

GEO. D. ROSS,  
Accountant.

AUBREY WHITE,  
Assistant Commissioner.

*Appendix No. 3.*

STATEMENT of Lands Sold and Leased, Amount of Sales, and Amount of Collections on Sales and Leases for the year 1904.

Service.	Amount Sold and Leased.	Amount of Sales and Leases.	Amount of Collections on Sales and Leases
<i>Crown Lands—</i>			
Agricultural .....	i 72,781	\$ c. 47,044 41	\$ c. 64,517 94
Mining .....	5,440	8,321 80	.....
Converted Leases .....	.....	9,920 38	15,109 30
Clergy Lands .....	286	160 25	3,764 22
Common School Lands .....	103	450 00	9,772 73
Grammar School Lands .....	521	504 12	849 26
University Lands .....	2,731	2,175 61	1,647 72
<i>Leases—</i>			
Mining Leases .....	11,002	10,762 06	28,597 46
Crown Leases and Licenses of Occupation...	12,002	295 71	2,010 20
	102,866	79,634 34	126,268 83

AUBREY WHITE,  
Assistant Commissioner.

D. GEO. ROSS,  
Accountant.

## Appendix No. 4.

## STATEMENT of the Revenue of the Department of Crown Lands for the year 1904.

Service.	\$	c.	\$	c.	\$	c.
LAND COLLECTIONS.						
<i>Crown Lands—</i>						
Agricultural .....	64,517	94				
Mining .....	15,109	30				
			79,627	24		
Clergy Lands .....			3,764	22		
Common School Lands .....			9,772	73		
Grammar School Lands .....			849	26		
University Lands .....			1,647	72		
<i>Rent—</i>						
Mining Leases .....	28,597	46				
Crown Leases .....	2,010	20				
			30,607	66		
WOODS AND FORESTS.						
Bonus .....			1,664,258	31		
Timber dues .....			919,471	21		
Ground rent .....			64,997	03		
Transfer fees .....			2,056	00		
					2,650,782	55
Mining Licenses .....			1,597	15		
Casual fees .....	405	29				
Cullers' fees .....	448	00				
Assay fees .....	780	24				
			1,633	53		
Rondeau Park .....	61	00				
Forest Reserves .....	62	00				
					123	00
						3,353 68
REFUNDS.						
Surveys .....			530	00		
Agents' Salaries .....			278	20		
Mining Inspections .....			59	40		
						867 60
						\$2,781,272 66

AUBREY WHITE,  
Assistant Commissioner.

D. GEO. ROSS,  
Accountant.



(Appendix No. 5.)

STATEMENT of the Receipts of the Department of Crown Lands, for the year 1904, which are Considered as Special Funds.

Service.	\$	c.	\$	c.
<i>Clergy Lands.</i>				
Principal .....	1,737	75		
Interest .....	2,026	47	3,764	22
<i>Common School Lands.</i>				
Principal .....	3,628	46		
Interest .....	6,144	27	9,772	73
<i>Grammar School Lands.</i>				
Principal .....	559	97		
Interest .....	289	29	849	26
<i>University Lands.</i>				
Principal .....	1,594	57		
Interest .....	53	15	1,647	72
			\$16,033	93

AUBREY WHITE,  
Assistant Commissioner.

D. GEO. ROSS,  
Accountant.

## (Appendix No. 6.)

## STATEMENT of Disbursements of the Department of Crown Lands for the year 1904.

Name.			
<b>AGENTS' SALARIES.</b>			
<i>Land.</i>			
Annis, A. E.....	200 00		
Armstrong, Jno.....	500 00		
Armstrong, T. E., Clerk .....	400 00		
	900 00		
Best, S. G.....	500 00		
Buchanan, Thos.....	300 00		
Campbell, Wm.....	300 00		
Cockburn, J. D.....	500 00		
Eastland, T. G.....	300 00		
Ellis, Jas.....	500 00		
Gilligan, B. J. ....	300 00		
do Arrears 1899-03 .....	1,250 00		
	1,550 00		
Hamilton, Alex.....	250 00		
Handy, E.....	500 00		
Hollands, C. J.....	300 00		
Hartle, Wm.....	350 00		
Hesson, W. H.....	500 00		
Kirk, Wm.....	500 00		
Ryan, T. J.....	500 00		
Seegmiller, M.....	800 00		
Scarlett, J. S.....	500 00		
Stephenson, Wm.....	300 00		
Stewart, C. R.....	500 00		
Stewart, James .....	300 00		
Tait, J. R.....	300 00		
Whelan, Jas.....	300 00		
Whalen, R. J.....	500 00		
Wood, A. W.....	100 00		
Young, H. N.....	300 00		
		11,850 00	
<i>Timber.</i>			
Christie, W. P.....	1,600 00		
Garrow, E.....	1,400 00		
Henderson, C.....	1,400 00		
Kennedy, John .....	1,600 00		
Lloyd, E.....	1,200 00		
Lloyd, E., 1903.....	59 17		
	1,259 17		
Margach, Wm.....	1,600 00		
Maughan, J.....	1,400 00		
do 1903 .....	88 22		
	1,488 22		
Munro, J.....	1,200 00		
McWilliams, J. B.....	2,500 00		
Sleeman, Geo.....	1,200 00		
Wigg, T. G.....	1,400 00		
do 1903.....	88 22		
	1,488 22		
		16,735 61	
<i>Carried forward</i> .....		28,585 61	

*(Appendix No. 6.)—Continued.*

Name.	\$	c.	\$	c.	\$	c.
<i>Brought forward</i> .....			28,585	61		
<b>AGENTS' DISBURSEMENTS.</b>						
<i>Land.</i>						
Annis, A. E.....	73	66				
Armstrong, John .....	37	23				
Best, S. G.....	7	88				
Campbell, Wm.....	27	10				
Cockburn, J. D.....	21	17				
Eastland, T. G.....	9	82				
Ellis, Jas.....	15	65				
Handy, E.....	13	10				
Hesson, W. H.....	40	25				
Kirk, Wm.....	13	32				
Ryan, T. J.....	18	85				
Seegmiller, M.....	369	65				
Stephenson, Wm.....	35	82				
Stewart, C. R.....	6	50				
Whelan, Jas.....	9	21				
Whalen, R. J.....	3	51				
Wood, A. W.....	27	00				
Young, H. N.....	10	50				
			740	22		
<i>Timber.</i>						
Christie, W. P.....	211	84				
Garrow, E.....	136	57				
Henderson, C.....	195	75				
Kennedy, Jno.....	220	67				
Lloyd, E.....	100	00				
Margach, Wm.....	1,457	56				
Maughan, J.....	272	99				
Munro, J.....	73	50				
McWilliams, J. B.....	250	70				
Sleeman, Geo.....	665	94				
Wigg, T. G.....	744	74				
			4,330	26		
<i>Homestead Inspectors.</i>						
Cloutier, A. C.....	126	30				
Scott, W. F.....	1,200	00				
do 1903 .....	133	33				
	1,333	33				
			1,459	63		
<i>Homestead Inspectors' Disbursements.</i>						
Cloutier, A. C.....	100	00				
Scott, W. F.....	190	98				
			290	98		
<i>Miscellaneous.</i>						
Ames, D., guarding islands in Laboro & Dog Lakes .....	20	00				
Belton, Geo., guarding islands in Loon Lake..	25	00				
Brady, Jno., inspecting 22, 15 Cardiff .....	41	00				
Danis, S., guarding Leonard Islands .....	20	00				
<i>Carried forward</i> .....	106	00	35,406	70		

(Appendix No. 6.)—Continued.

Name.	\$	c.	\$	c.	\$	c.
<i>Brought forward</i> .....	106	00	35,406	70		
<i>Miscellaneous—Concluded.</i>						
Fairbairn, R. P., inspecting water power .....	75	20				
Forbes, F. S., disbursements .....	2	00				
Hurd, J. H., inspecting McConkey .....	34	00				
McGowan, do do .....	43	00				
			260	20		
					35,666	90
<i>Crown Timber Offices, Ottawa.</i>						
<i>Ottawa.</i>						
Darby, E. J., agent .....	1,250	00				
Larose, S. C., clerk .....	900	00				
			2,150	00		
Rent .....	500	00				
Disbursements .....	87	10				
			587	10		
					2,737	10
<i>Quebec.</i>						
Nicholson, B., agent .....	1,500	00				
Harney, Thos., clerk .....	150	00				
			1,650	00		
Rent .....	125	00				
Disbursements .....	368	87				
			493	87		
					2,143	87
<i>Woodranging.</i>						
Brady, John .....			1,360	38		
Bremner, J. L.....			820	60		
Bolt, James .....			64	15		
Christie, W. P.....			20	55		
Campbell, Wm.....			638	00		
Crawford, A. C.....			862	00		
Campbell, J. M.....			678	40		
Devine, M. J.....			503	00		
Elliott, Geo. E.....			1,115	00		
Fraser, Duncan .....			690	00		
Halliday, James .....			850	00		
Hanes, J. L.....			463	37		
Hickerson, M. T.....			936	00		
Johnson, S. M.....			1,522	02		
Jervis, Hy.....			1,076	75		
Kintrea, Stuart .....			838	90		
Kirk, W. J.....			438	50		
Loughrin, L.....			488	20		
Lloyd, E. B.....			27	45		
McConachie, J.....			526	00		
McGillyray, A.....			567	50		
McFarlane, Jno. W.....			614	00		
McGown, Wm.....			1,230	00		
McCogherty, P.....			734	87		
McLean, Peter .....			156	00		
McDonald, Thos.....			603	30		
McConachie, Roy .....			100	00		
<i>Carried forward</i> .....			17,925	14	40,547	87



## (Appendix No. 6.)—Continued.

Name.	\$	c	\$	c.	\$	c.
<i>Brought forward</i> .....			17,925	14	40,547	87
<i>WOOD RANGING—Concluded.</i>						
McKenzie, A. E.....				33	00	
Moore, D. H.....			1,570	99		
Margaoh, J. A.....				464	80	
Margaoh, Wm.....			1,830	18		
Maughan, J.....				59	83	
Malone, W. P.....				704	00	
Mooney, Thos.....				694	60	
Milne, James.....				100	00	
Obin, Oliver.....				112	00	
Pearson, J. J.....				545	00	
Quinn, Wm.....			1,210	00		
Riley, E.....				135	40	
Regan, Jno.....			1,942	70		
Robinson, Wm.....				1,588	60	
Revell, L. O.....				100	00	
Smith, R. W.....				40	00	
Sinclair, F.....				1,034	00	
Taylor, T. G.....				730	00	
Widdifield, C. H.....				259	50	
Wood, Wm.....				140	20	
Watterworth, James.....			1,070	00		
Wigg, T. G.....				220	00	
Young, Cyril.....				881	00	
						33,391 00
<i>Fireranging.</i>						
Anderson, Gill.....				108	00	
Anderson, Herbert,..... 1903				131	00	
Austin, Norman.....				114	00	
Austin, Chas.....				66	00	
Armstrong, W. J.....				125	00	
Armitage, Jno.....				131	00	
Aylward, Jas.....				90	00	
Archer, George.....				131	00	
Brown, Hugh R.....				131	00	
Brannan, Samuel.....1903		92	00			
Disbursements.....		24	00			
Brannan, Samuel.....1904		101	00			
				217	00	
Bromley, Thos.....1903		74	00			
do.....1904		79	00			
				153	00	
Brash, Robt.....1903				131	00	
Burns, Wm.....1903				104	00	
Burns, G. F.....				120	00	
Burns, Jno.....				41	00	
Boyer, Paul.....				104	00	
Biggs, Joseph.....				108	00	
Burgess, Wm. H.....				131	00	
Boddy, Wm.....				131	00	
Bethune, Donald.....				105	00	
Bethune, Wm.....				109	00	
Barron, E.....				131	00	
Buhtanan, Robt.....				61	00	
Brown, J. F.....				47	00	
<i>Carried forward</i> .....			2,720	00	73,938	87

(Appendix No. 6.)—Continued.

Name.	c.	\$ c.	\$ c.
<i>Brought forward</i> .....		2,720 00	73,938 87
<i>FIRE RANGING—Continued.</i>			
Beullefeuille, Oliver .....1903		131 00	
Bonfield, Jno.....		19 00	
Brewer, Chas. E.....		131 00	
Beaudry, Jno.....		131 00	
Boisvert, Jno.....1903		102 00	
Burk, Harry.....1903		43 50	
Campbell, G. M.....		118 00	
Campbell, Robt.....		112 00	
Campbell, Henderson .....		125 00	
Campbell, Geo.....		131 00	
Campbell, James .....		125 00	
Campbell, Jno. L.....		131 00	
Cahill, M. L. ....	297 50		
Disbursements .....	40 60		
		338 10	
Cook, H.....		105 00	
Cook, Frank .....		100 00	
Cole, Jno.....		36 00	
Cole, Geo.....		125 00	
Curtin, David .....1903			
Disbursements .....	7 50		
Curtin, David .....1904	110 00		
		117 50	
Cochrane, Jno .....1903	132 00		
Disbursements .....	160 38		
Cochrane, Jno.....1904	105 00		
		397 38	
Cosgrove, J. P.....1903	58 00		
Disbursements .....	45 00		
Cosgrove, J. P.....1904	78 00		
		181 00	
Costello, Simon .....		120 00	
Christie, Peter .....		97 00	
Conway, Richard .....		123 00	
Collins, Chas.....		64 00	
Caswell, Herbert .....		108 00	
Chamberlain, B. E.....		131 00	
Carlin, Thos.....		124 00	
Callaghan, Dennis L. ....		117 00	
Cleary, Jno. F.....1903		131 00	
Columbus, Frank .....		131 00	
Cromble, Jno.....		131 00	
Coughlin, John .....		131 00	
Culhane, Jno. ....		120 00	
Christilow, Henry .....		131 00	
Clouthier, Jno.....		120 00	
Cousins, James .....		130 00	
Chaput, Isidore .....		131 00	
Cunningham, Jos. ....			
Doyle, T. J. ....	131 00		
Disbursements .....	10 00		
		142 68	
Dawkins, Jno.....	120 00	141 00	
Disbursements .....	22 68		
		115 00	
Driver, Joseph .....		131 00	
Driver, James .....		48 00	
Didier, L. P.....			
		6,168 16	73,938 87
<i>Carried forward</i> .....			

## (Appendix No. 6.)—Continued.

Name.	\$	c.	\$	c.	\$	c.
<i>Brought forward</i> .....			8,168	16	73,938	87
<i>WOOD RANGING—Continued.</i>						
Dzwauskoukie, M., Disbursements.....1903	588	00				
Dzwauskoukie, M. ....1904	385	00				
Disbursements .....	11	00				
			984	00		
Doherty, Wm.....	282	50				
Disbursements .....	16	10				
			298	60		
Dillabough, R.....			38	00		
Dason, Moses .....			65	50		
Dunn, Thos. B .....			105	00		
Dyke, Maurice V.....			105	00		
Dupond, Ignace .....			102	00		
Dennison, Harry .....			131	00		
Dube, John.....			79	00		
Edwards, E. D.....			142	00		
Everett, Chas.....			131	00		
Elliott, Wm.....			118	00		
Eagleston, Jno.....			131	00		
Farrell, Wm.....			105	00		
Farrell, Samuel.....			111	00		
Fraser, John .....			69	00		
Finlayson, J. H.....			131	00		
Fordes, Alex.....			91	00		
Faireau, Geo.....			93	00		
Findlay, Jno. ....			98	00		
Fleher, Fred.....			34	00		
Fraser, W. A.....						
Disbursements .....			266	63		
Foley, Patrick.....1903			104	00		
Gardner, Jno.....	235	00				
Disbursements .....	7	30				
			242	30		
Gonn, James .....			125	00		
Gorgeon, Arthur.....			131	00		
Gagnon, Noel .....			131	00		
Gauthier, Olida .....			131	00		
Grant, Joseph D.....			131	00		
Gorgeon, Arsene .....			75	00		
Garceau, Adolph .....			131	00		
Guertin, Oliver .....			131	00		
Graham, Jno. M.....			131	00		
Growberger, Thos .....			131	00		
Groulx, Arthur .....			98	25		
Guthrie, Jno.....			130	00		
Guiney, F. K.....1903			98	00		
Gould, Ferdinand .....	146	00				
do .....	130	00				
			276	00		
Green, Wm.....			105	00		
Griffin, James.....			131	00		
George, W. C.....			48	00		
Grozelle, A. D.....			95	00		
Gagnon, Samuel .....			21	00		
Gagnon, Oliver .....			36	00		
Hoff, J. S. M.....			105	00		
Harvey, Albert .....			95	00		
<i>Carried forward</i> .....			14,429	44	73,938	87

## (Appendix No. 6.)—Continued.

Name.	\$	c.	\$	c.	\$	c.
<i>Brought forward.</i> . . . . .			14,429	44	73,938	87
<i>WGD RANGING—Continued.</i>						
Harvie, Andrew . . . . .1903	131	00				
do . . . . .1904	131	00	262	00		
Harkness, James . . . . .1903	131	00				
do . . . . .1904	131	00				
			262	00		
Hanrahan, Jno. . . . .			131	00		
Hartley, Mark . . . . .			104	00		
Henderson, Arthur . . . . .			124	00		
Huckson, Alfred . . . . .			130	00		
Hamilton, James . . . . .			130	00		
Henry, James C. . . . .			85	00		
Hillman, A. P. . . . .			109	00		
Harper, Thos . . . . .			131	00		
Haley, Edw. . . . .			131	00		
Heise, Geo. . . . .	50	00				
Disbursements . . . . .	41	20				
			91	20		
Hurd, Cyril . . . . .			94	00		
Hunt, J. W. . . . .			107	00		
Irwin, Thos. . . . .			110	00		
Johnson, Jas . . . . .			97	00		
Johnson, Wm. . . . .1903	131	00				
Disbursements . . . . .1903	82	75				
			213	75		
Johnson, Michael . . . . .			110	00		
Johnston, Jno. . . . .			101	00		
James, Martin . . . . .			63	00		
Jonasen, Dan'l . . . . .	131	00				
Disbursements . . . . .	4	75				
			135	75		
Kennedy, M. J. . . . . Disbursements 1902			54	25		
Kennedy, Sylvester . . . . .			97	00		
Kennedy, Robt. . . . .			67	00		
King, Frank . . . . .1903			64	00		
King, Neil A. . . . .1903	57	50				
Disbursements . . . . .		20				
			65	70		
King, Charles. . . . .			127	00		
Kingston, T. J. . . . .			131	00		
Kingston, James . . . . .			122	00		
Kelly, John . . . . .1903			133	00		
Kelly, Dan'l . . . . .1903			122	00		
Kirk, W. J. . . . .			131	00		
Kirby, Jno. . . . .			27	00		
Latour, Alfred. . . . .			131	00		
Long, Henry E. . . . .			118	00		
Long, Oscar A. . . . .			118	00		
Larond, F. K. . . . .	123	00				
Disbursements . . . . .	9	00				
			132	00		
Lalond, J. B. . . . .			131	00		
Ledgerwood, Wm. . . . .			362	50		
Law, W. J. . . . .			131	00		
Lazenby, Chas. . . . .	297	50				
Disbursements . . . . .	14	20				
			311	70		
Carried forward . . . . .			19,728	29	73,938	87



## (Appendix No. 6.)—Continued.

Name.	§	c.	§	c.	§	c.
<i>Brought forward</i> .....			19,728	29	73,938	87
<i>FIRE RANGING—Continued.</i>						
Lenton, M. W. ....1903	131	00				
do .....1904	131	00				
Logan, Hugh A. ....	445	00	262	00		
Disbursements .....	13	95				
Lamothe, Mich'l .....			458	95		
LeBlanc, Oliver .....	131	00	131	00		
Disbursements .....	11	25				
Leahy, John .....			142	25		
Lavois, Benj'n .....			131	00		
Lemyre, Meddy .....			131	00		
Lynch, Mich'l .....			50	00		
Lawson, David .....			105	00		
Lorenz, Chas. ....			119	00		
Lytle, W. A. ....			131	00		
Lewis, Jno. .... Disbursements 1903			104	00		
Lamothe, H. .... 1903			10	00		
Leckie, Jno. ....1903			131	00		
Labrie, Isadore .....			131	00		
Labrash, J. P. ....			117	00		
Malloy, Mark, disbursements .....1903	158	65	128	00		
do services .....1904	131	00				
Munroe, J. H. ....			289	63		
Munroe, Henry .....			131	00		
Malloy, John .....			131	00		
Mann, Robt. A. ....			113	00		
Mercier, Pat.....			74	00		
Massey, H. ....			131	00		
Martin, W. J. ....			105	00		
Moore, G. ....			42	00		
Mason, B. C. ....			131	00		
Montrueil, Louis ..... 1903			66	75		
Middleton, Jno. ....1903			131	00		
Milne, Albert .....1903			118	00		
Marshall, James .....			2	05		
May, Wm. ....			38	00		
Millichamp, Thos. A. ....			131	00		
Muir, Wm. ....			79	00		
Montroy, Joseph .....			131	00		
Mackie, Thos. ....1903			131	00		
McCogherty, P. ....			38	00		
Disbursements .....	760	00				
	160	00	920	00		
Macdonald, Jno. D. ....	320	00				
Disbursements .....	4	00				
McDonald, Donald .....			324	00		
McDonald, A. J. ....			131	00		
McDonell, Alex. ....1903			31	00		
McDonald, Mat.....			135	00		
McDonald, David .....			131	00		
McInnis, Angus D. ....	105	00	104	00		
Disbursements .....	56	03				
			161	03		
Carried forward .....			25,961	95	73,938	87

## (Appendix No. 6.)—Continued.

Name.	\$	c.	\$	c.	\$	c.
<i>Brought forward</i> .....			25,961	95	73,938	87
<i>FIRE RANGING—Continued.</i>						
McIntyre, James .....			238	00		
McIntyre, Wm. ....			131	00		
McPhee, Jno. ....			131	00		
McPhee, Hugh .....			131	00		
McGhie, Chas. ....			131	00		
McDermott, J. L. ....			104	00		
McDermott, W. F. ....			104	00		
McDermid, Alex. ....			108	00		
McDermott, W. H. ....			108	00		
McGuey, Denis, disbursements .....	1903	893	37			
do .....	1904	131	00			
					1,024	37
MacCormack, J. C. ....			131	00		
McClelland, Robt. ....	1903	117	00			
Disbursements .....	1903	13	84			
					130	84
McIlroy, Denis .....			120	00		
McColl, Arch. ....			131	00		
McGarvey, Robt. ....			121	00		
McNaughton, Robt. ....			134	00		
McAdam, James .....			128	00		
McLaren, G. D. ....			92	00		
McFadden, Ed. ....			131	00		
McMullen, Alex. ....			126	00		
McPherson, Herbert .....			131	00		
McNab, Duncan .....			108	00		
McCaffrey, James .....			119	00		
Macfarlane, R. L. ....			129	00		
McCauley, Jerry, disbursements .....	1903	100	00			
Disbursements .....	1902	26	25			
					126	25
McCreary, James .....	1903		131	00		
McNeil, Alex. ....	1903		127	00		
McKee, Jno. P. ....			120	00		
McDermid, Robt. ....	1903		123	00		
McConachie, Jno., disbursements .....	1903		53	07		
McAndrew, Patk. ....	1903		50	00		
McDougall, Dr. ....	1903		21	00		
McKay, Angus .....			105	00		
McLean, Peter .....			65	00		
Nolan, Peter .....	1903	131	00			
do .....	1904	131	00			
					262	00
Nadeau, Martin .....	1903	105	00			
do .....	1904	98	00			
					203	00
O'Connor, John .....			131	00		
Owens, Richard .....			109	00		
O'Neil, Thos. ....			112	00		
O'Neil, A. J. ....		468	00			
Disbursements .....		6	65			
					474	65
O'Brien, Philip .....			80	00		
O'Brien, Clifton .....			131	00		
Ouissant, Toussant .....			102	00		
O'Hara, Dominick .....			78	00		
<i>Carried forward</i> .....			32,507	13	73,938	87

(Appendix No. 6.)—Continued.

Name.	\$	c.	\$	c.	\$	c.
<i>Brought forward</i> .....			32,507	13	73,938	87
<b>FIRE RANGERS—Continued.</b>						
Oram, John .....			131	00		
O'Connor, D., disbursements .....			15	40		
Potter, Chas. ....1903 .....			65	00		
Payne, Robt. ....			84	00		
Pelow, F. K. ....			131	00		
Paul, Benjamin .....			65	50		
Peeler, Charles .....			97	50		
Peters, Robert .....			131	00		
Parent, William .....			130	00		
Plaunt, Joseph .....			127	00		
Page, George .....			131	00		
Page, N. R. ....			131	00		
Paul, Wesley .....			105	00		
Perrault, Thos. ....			128	00		
Quesnelle, N. ....			105	00		
Quelette, Arthur ....1903 .....			122	00		
Rancier, Geo. ....			380	00		
Riley, E. ....		208	00			
Disbursements .....		39	50			
			247	50		
Reynolds, Jno. ....			105	00		
Reynolds, Mich'l .....			105	00		
Raymond, Chas. ....			117	00		
Ranson, Jno. ....			130	00		
Rawson, Chas. E. ....			63	00		
Rich, Anthony .....			71	55		
Reamsbottom, W. H. ....			105	00		
Reither, Onesime ....1903 .....			90	00		
Rainville, Dan'l ....1903 .....			131	00		
Rath, W. F. ....			131	00		
Rowe, Wm. ....			131	00		
Robinson, Leonard, disbursements ....1903 .....			52	05		
Stewart, Jos. ....1903 .....			131	00		
Smith, Leslie .....		131	00			
Disbursements .....		10	50			
			141	50		
Smith, Joseph .....			131	00		
Savage, Sidney .....			125	00		
Savage, R. E. ....			125	00		
Skuce, Thos. ....		131	00			
Disbursements .....		3	13			
			134	13		
Secord, F. K. ....			131	00		
Spaniel, Ambrose .....			123	00		
Stevenson, Wm. ....			126	00		
Scantlin, James .....			118	00		
Sheridan, Peter .....			100	00		
Sheppard, H. E. ....			87	00		
Spreadborough, N. ....			125	00		
Simpson, Alex. ....			105	00		
Sandow, Peter .....			131	00		
Simms, Thos. ....			131	00		
Shilds, Geo. ....			105	00		
St. Laurent, Joseph .....			131	00		
<i>Carried forward</i> .....			38,256	27	73,938	87
<b>2 C.L.</b>						

## (Appendix No. 6.)—Continued.

Name.	\$	c.	\$	c.	\$	c.
<i>Brought forward</i> .....			38,256	27	73,838	87
<i>FIRE RANGING—Concluded.</i>						
Telgman, O. E. Disbursements.....1903	71	42				
do Services.....1903	131	00				
do Disbursements.....1904	933	62				
			1,778	04		
Thompson, Wm. ....			112	00		
Thompson, R. D. ....			131	00		
Thompson, Harry.....			30	00		
Tyson, Jno. ....1903	46	00				
do .....1904	41	00				
			87	00		
Tyson, Thos. ....			89	00		
Trainer, Wm. ....1903	57	00				
do .....1904	63	00				
			120	00		
Tubman, W. J. ....1903			105	00		
Trudeau, Paul .....			131	00		
Tomlinson, E. F. ....			46	00		
Tulloch, W. A. ....			36	00		
Turner, Geo. ....			112	00		
Took, F. K. ....			124	00		
Tough, Joseph .....1903			122	00		
Thivierge, Narcisse .....1903			122	00		
Thivierge, Xavier.....1903						
Disbursements .....			197	81		
Urquhart, Jno. ....			25	00		
Vandoski, Jno. ....			93	00		
Valin, Saml. ....			161	00		
Volker, Philip D. ....			131	00		
Vien, Mich'l .....1903			100	00		
Wood, F. K. ....	250	00				
Disbursements .....	222	92				
			472	92		
Watters, Thos. ....			105	00		
Winters, Jno. ....			100	00		
Weart, E. B. ....			132	00		
Wilkins, G. W. ....1903			131	00		
Williams, W. ....			131	00		
Wattie, Thos. ....			79	00		
Wilson, A., disbursements .....			2	80		
Wilson, David .....1903			20	00		
Wilson, Joseph .....			54	00		
Wallace, Geo. ....			118	00		
Wilson, J. C. ....			6	55		
Yeomens, James .....			72	00		
Young, Cyril .....	30	00				
Disbursements .....	11	00				
			41	00		
			43,544	40		
Refunds .....			554	92		
					42,989	48
					116,928	35
<i>Carried forward</i> .....						



(Appendix No. 6.)—Continued.

Name.	\$	c.	\$	c.	\$	c.
<i>Brought forward</i> .....					116,928	35
<b>MINING DEVELOPMENT.</b>						
<i>Belleville Assay Office.</i>						
Burrows, A. G., salary .....	1,000	00				
Embury, W. J., clerk .....		42				
Hambly, G. H. do .....		228				
					1,270	00
Disbursements .....	301	31				
Advertising .....		08				
Supplies .....		233				
Repairs and Maintenance .....		95				
					839	14
					2,109	14
<i>Inspection.</i>						
Boyd, D. G., disbursements .....					66	67
Carter, W. E. do .....					422	95
Miller, W. G., salary .....	3,600	00				
Knight, C. W., assistant .....		280				
Cartwright, E. A., do .....		192				
Disbursements .....		701				
					4,773	30
<i>Exploration.</i>						
Bell, J. M., services .....	755	00				
Evans, W. W., assistant .....		332				
Disbursements .....		1,554				
					2,641	60
Coleman, A. P., salary .....	500	00				
Culvert, M. T., assistant .....		202				
Disbursements .....		860				
					1,562	59
Gillespie, P., inspecting cement plant .....					100	00
Kay, G. F., services .....	50	00				
Disbursements .....		27				
					77	72
McMillan, J. G., services .....	500	00				
Henderson, A., assistant .....		302				
Disbursements .....		807				
					1,609	21
Parks, W. A., disbursements .....					36	75
Workman, J. K., services .....	222	00				
Disbursements .....		94				
					316	95
Melrose Oil Syndicate, grant in testing for oil .....					500	00
Bell, J. M., coal exploration, 1903 .....					46	57
					12,154	31
<i>Cullers Act.</i>						
Johnson, S. M., disbursements .....					5	75
Mather, D. L., services .....					4	00
Mulvehill, John do .....					8	00
McWilliams, J. B., disbursements .....					16	30
Sleeman, Geo. do .....					16	00
					50	05
<i>Carried forward</i> .....					131,191	80

*(Appendix No. 5.)—Continued.*

Name.	\$	c.	\$	c.	\$	c.
<i>Brought forward</i> .....			50	05	131,191	80
<i>CULLROS' ACT—Concluded.</i>						
Turnbull, W., services .....		8	00			
Disbursements .....		2	00			
Advertising .....			10	00		
			8	12		
					68	17
<b>FOREST RESERVES</b>						
<i>Temagami Reserve.</i>						
Allan, H. G., services .....		330	00			
Disbursements .....		26	20			
				356	20	
Dent, Isreal, services .....		452	50			
Disbursements.....		21	90			
				474	40	
Friday, Jas., services .....				264	00	
Graham, W. N., services .....		255	00			
Disbursements .....		23	60			
				278	60	
Keatt, Antonio, services .....				208	00	
Loughrin, L., services.....		606	00			
Disbursements .....		279	87			
				885	87	
McLean, John, services .....				240	00	
McGregor, Peter, services .....		492	50			
Disbursements .....		10	60			
				503	10	
Paul, Alexander, services .....				92	00	
Pettypiece, C., services .....				110	00	
Petra, Tom, services .....				264	00	
Riddell, E. R., services .....		342	50			
Disbursements .....		21	55			
				364	05	
Turner, John, services .....				452	50	
Turner, Joseph, do .....				200	00	
Whitebear, Francois, do .....				114	00	
Young, Patrick, do .....		375	00			
Disbursements .....		19	75			
				394	75	
Supplies .....				180	15	
				5,381	62	
<i>Metagami Reserve.</i>						
Doherty, William H., services .....		94	00			
Disbursements .....		33	70			
				127	70	
Davidson, Alexander T., services .....		327	50			
Disbursements .....		18	35			
				345	85	
<i>Carried forward</i> .....				5,855	17	131,259 97

*(Appendix No. 6.)—Continued.*

Name.	₹ c.	₹ c.	₹ c.
<i>Brought forward</i> .....		5,955 17	131,259 97
<i>Temagami Reserve—Concluded.</i>			
Davidson, Geo., services .....	186 00		
Disbursements .....	65 85		
		251 85	
Earls, C. F., services .....	247 50		
Disbursements .....	18 35		
		265 85	
Laronde, Lawrence, services .....		276 00	
Luke, Andrew, do .....		3 00	
Moore, Joseph, do .....		130 00	
McLean, Tom, do .....	237 50		
Disbursements .....	17 65		
		255 15	
Nephew, Chas., services .....		94 00	
Penabis, Sandy, do .....		160 00	
Restaul, Francis, do .....		2 00	
Robillard, A. E., do .....	277 50		
Disbursements .....	17 85		
		295 35	
Ross, K. G., services .....	370 00		
Disbursements .....	18 35		
		358 35	
Samson, Jno., services .....			
Southworth, H., services .....	360 00	36 00	
Disbursements .....	117 12		
		477 12	
Supplies .....		789 66	
Strndries .....		55 06	
		9,332 56	
<i>Eastern Reserve.</i>			
Stalker, James, services .....		194 00	
Winsley, F. H., do .....		198 00	
Wood, A. W., do .....	120 00	250 00	
Wood, Frank H., do .....	5 10		
Disbursements .....		125 10	
<i>Sibley Reserve.</i>			
Munro, H. ....		100 00	
			10,199 66
<b>TIMBER SALE, 1903.</b>			
Ryan, Peter, auctioneer's fees, balance .....		4,218 54	
Tolchard, D. F., supplies .....		47 50	
Copp Clark & Co., maps .....		32 00	
Advertising .....		628 55	
			4,926 59
SURVEYS .....			101,299 50
BOARD OF SUPERVISORS .....			200 00
EXPENSES .....			14,601 89
<i>Carried forward</i> .....			262,487 41

*(Appendix No. 6.)—Continued.*

Name.	\$	c.	\$	c.	\$	c.
<i>Brought forward</i> .....					262,487	41
<b>CONTINGENCIES.</b>						
<i>Bureau of Mines.</i>						
Printing and binding .....	503	72				
Stationery .....	720	27				
			1,223	99		
Postage .....	141	48				
Telegraphing .....	42	46				
Express, Cartage, etc. ....	99	88			283	82
Advertising .....	195	85				
Subscription .....	112	73				
Books .....	131	99			440	57
Maps .....	409	69				
Photo supplies .....	73	82			483	51
Gibson, T. W., travelling expenses .....					147	51
Eggart, J., translation .....					25	00
Typewriters, rent, etc., of .....					47	75
Extra clerks .....					135	95
Sundries .....					44	30
					2,832	40
<i>Forestry and Colonisation.</i>						
Printing and binding .....	51	45				
Stationery .....	99	05			150	50
Postage .....	317	33				
Telegraphing .....	48	74			366	07
Subscriptions .....	46	00				
Books .....	22	39				
Photos and supplies .....	51	50			119	89
Extra clerks .....	541	40				
Typewriter .....	120	00				
Lantern slides .....	96	35				
Press Association Expenses .....	104	46				
Sundries .....	37	48			899	69
Clark, J. F., travelling expenses .....	123	60				
Southworth, Thos., do do .....	320	42			444	02
					1,980	17
<i>Departmental.</i>						
Printing and binding .....	1,356	09				
Stationery .....	2,750	74			4,106	83
Postage .....	1,263	51				
Express .....	185	02			1,448	53
Telegraphing .....	329	13				
Telephoning .....	59	10				
<i>Carried forward</i> .....	388	23	5,555	36	267,299	98



*(Appendix No. 6.)—Concluded.*

Name.	\$	c.	\$	c.	\$	c.
<i>Brought forward</i> .....	388	23	5,555	36	267,299	98
<i>Departmental—Concluded.</i>						
Cab hire .....	70	50				
Car fare .....	60	00				
Extra clerks .....			518	73		
Subscriptions .....	351	08	5,280	02		
Advertising .....	265	89				
Maps .....	2,248	95	596	97		
Books .....	30	75				
Typewriter and repairs .....	106	55				
Rubber Stamps and repairs .....	42	60				
Geo. W. Yates, transcribing evidence King vs Larose .....			2,428	85		
Davis, Hon. E. J., travelling expenses .....	203	85	188	10		
White, Aubrey, do do .....	28	00				
Jones, C. S., do do .....	109	75				
Kirkpatrick, G. B., do do .....	82	71				
Kelly, J. J., do do .....	12	00				
Williamson, E. S., do do .....	8	00				
Yates, G. W., do do .....	13	05				
Sundries .....			457	36		
			66	65		
			15,092	04		
<i>Military Grants.</i>						
Printing and binding .....	173	08				
Stationery .....	278	75				
Postage .....	317	52				
Extra clerks .....	1,054	60				
Sundries .....	12	00				
			1,835	35		
			16,927	39		
			284,227	37		

D. GEO. ROSS,  
Accountant.

AUBREY WHITE,  
Assistant Commissioner.



*(Appendix No. 7.)—Concluded.*

Name.	s	c.	£	c.	£	c.
<i>Brought forward</i> .....			1,351	58	19,929	94
DIAMOND DRILLS— <i>Concluded.</i>						
Lloyd, A., travelling expenses .....			54	65		
Freight, express and teaming .....	352	75				
Labor .....	2,324	96				
			2,677	71		
Supplies .....	795	06				
Drill furnishings .....	817	73				
			1,612	79		
			5,696	93		
Refunds .....			3,183	71		
					2,513	22
MINING SCHOOLS .....					1,516	57
IRON MINING FUND .....					25,000	00
ALGONQUIN PARK .....					7,316	03
RONDEAU PARK .....					2,260	10
					<b>£58,895</b>	<b>91</b>

AUBREY WHITE,  
Assistant Commissioner.

D. GEO. ROSS,  
Accountant.

(Appendix

WOODS AND

Statement of Timber and Amounts accrued from Timber Dues, Ground

Agencies.	Area covered by timber license.	QUANTITY AND					
		Sawlogs.				Boom and	
		Pine.		Other.		Pine.	
		Square miles.	Pieces.	Feet, B. M.	Pieces.	Feet, B. M.	Pieces.
Western Timber District ....	10,254	8,337,243	480,635,510	486,823	21,149,457	212,834	24,955,431
Belleville Timber District ..	882	258,733	21,855,298	235,474	10,121,462	8,293	2,100,022
Ottawa Timber District .....	6,237	1,706,625	127,104,557	303,564	10,944,479	55,785	6,504,074
	17,373	10,302,601	629,595,365	1,025,861	42,215,398	276,862	33,559,527

GENERAL STATEMENT OF

Agencies.	Cordwood.		Tan Bark.	Railway Ties.	Posts.	Telegraph Poles.	Shingle Bolts.	Stave Bolts.
	Hard.	Soft.						
	Cords.	Cords.						
Western Timber District ....	5,293	46,907	7,074	1,937,309	657	4,600	120	3,014
Belleville Timber District...	30	82	3,226	7,062	2,696	244	.....	.....
Ottawa Timber District .....	.....	3,569	.....	40,808	617	5,453	153	.....
	5,323	50,558	10,800	1,985,179	3,970	10,297	273	3,014

J. A. G. CROZIER,  
Chief Clerk in charge.



No. 8.)

FORESTS.

Rent and Bonus during the year ending 31st December, 1904.

DESCRIPTION OF TIMBER.

Dimension Timber.		Square Timber.						Tamarac and Spruce.		Cedar.
Other.		Pine.		Pile Timber.		Pile Timber.				
Pieces.	Feet, B.M.	Pieces.	Cubic Feet.	Pieces.	Lineal Feet.	Pieces.	Feet B.M.	Pieces.	Lineal feet.	Lineal feet.
28,976	3,145,060	33,264	1,705,123	3,897	168,825	8,422	795,833	1,237	32,514	146,352
4,008	672,610									25,612
26,689	1,411,174	4,304	258,515						286,291	
56,673	5,228,844	37,568	1,963,938	3,897	168,825	8,422	795,833	1,237	318,805	171,964

TIMBER, ETC — *Continued.*

Cords.	Amounts accrued.							Total.
	Transfer Bonus.	Interest.	Trespass.	Timber dues.	Bonus.	Ground Rent.		
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	
27,703	1,736 00	6,038 08	23,863 52	844,700 12	1,635,668 88	40,034 00	2,606,040 60	
41	.....	484 19	235 92	32,034 04	.....	4,218 00	36,972 15	
2,089	320 00	1,877 35	4,711 44	156,511 23	.....	19,056 00	182,476 02	
29,833	2,056 00	62,399 62	28,810 88	1,033,245 39	1,635,668 88	63,308 00	2,825,488 77	

AUBREY WHITE,  
Assistant Commissioner.



## (Appendix No. 11.)

Statement shewing the number of Locatees and of areas located; of purchasers and of acres sold; of lots resumed for non-performance of the settlement duties; and of patents issued under "The Free Grants and Homesteads Act," during the year 1904.

Township.	District or County.	Agent.	No. of persons located.	No. of acres located.	No. of purchasers.	No. of acres sold.	No. of lots resumed.	No. of patents issued.
Baxter	Muskoka	Wm. Kirk, Bracebridge	9	1,437	6	147	2	5
Brunel	do	do do	6	701			8	2
Chaffey	do	do do						2
Draper	do	do do						3
Franklin	do	do do	5	620	3	89	1	7
Macaulay	do	do do	1	100			1	
Medora	do	do do	4	400			4	2
Monck	do	do do						1
Morrison	do	do do	8	961	1	56	1	2
Muskoka	do	do do	3	318	1	8	2	
McLean	do	do do	6	567	1	4	6	4
Oakley	do	do do	2	199			1	
Ridout	do	do do	2	170	1	93	3	1
Ryde	do	do do	3	498	1	1	4	3
Sherbourne	do	do do						
Sinclair	do	do do	5	663	1	49	2	6
Stephenson	do	do do						6
Stisted	do	do do						4
Watt	do	do do	3	250			3	3
Wood	do	do do	13	1,714	1	96	9	10
Cardwell	do	Jas. Ellis, Parry Harbor			4	300	2	4
Carling	Parry Sound	do do	6	1,181			15	
Christie	do	do do	8	1,372	1	16	3	
Conger	do	do do	10	1,934	4	227	2	1
Ferguson	do	do do	3	554	1	58	3	
Foley	do	do do	2	200	1	8	3	3
Hagerman	do	do do	9	1,577			9	
Humphrey	do	do do			1	100		2
Monteith	do	do do	11	1,487			5	2
McConkey	do	do do	10	1,400				2
McDougall	do	do do	5	842			3	
McKellar	do	do do	3	398			3	3
McKenzie	do	do do	14	2,415	11	469	3	12
Shawanaga	do	do do	1	93				
Wilson	do	do do	9	1,358	4	51	3	3
Burpee	do	do do	2	400	1	100		2
Chapman	do	S. G. Best, Maganetawan	4	448	2	141	6	3
Croft	do	do do	12	1,985	2	110	7	6
Ferrie	do	do do						1
Gurd	do	do do	10	1,700	3	29	3	5
Lount	do	do do	1	85	1	82		5
Machar	do	do do	9	1,249	1	35	6	3
Mills	do	do do	3	387	2	148	3	1
Pringle	do	do do	5	792	2	60	2	4
Ryerson	do	do do	3	445	1	45	1	6
Spence	do	do do	4	379			4	4
Strong	do	do do	4	399			3	5
Armour	do	E. Handy, Emsdale	9	1,096			11	6
Bethune	do	do do	9	1,309	1	55	21	2

## (Appendix No. 11.)—Continued.

Township.	District or County.	Agent.	No. of persons located.	No. of acres located.	No. of purchasers.	No. of acres sold.	No. of lots resumed.	No. of patents issued.
Joly .....	Parry Sound...	E. Handy, Emsdale .. . . .	10	1,740	.....	.....	15	4
McMurrich .....	do .....	do do .....	4	365	3	239	4	7
Perry .....	do .....	do do .....	2	400	.....	.....	3	3
Proudfoot .....	do .....	do do .....	1	88	13	602	18	11
Chisholm .....	do .....	J. S. Scarlett, Powassan.....	18	2,367	2	104	6	7
Hardy .....	do .....	do do .....	.....	.....	.....	.....	.....	9
Himsworth .....	do .....	do do .....	22	3,162	2	26	15	6
Laurier .....	do .....	do do .....	7	959	.....	.....	5	4
Nipissing .....	do .....	do do .....	13	2,020	3	176	14	4
Patterson .....	do .....	do do .....	3	554	1	42	...	5
Anson .....	Haliburton.....	Wm. Hartle, Minden.....	.....	.....	.....	.....	.....	2
Glamorgan .....	do .....	do do .....	3	316	1	36	...	2
Hindon .....	do .....	do do .....	.....	.....	.....	.....	.....	1
Lutterworth .....	do .....	do do .....	1	173	.....	.....	2	1
Minden .....	do .....	do do .....	4	388	.....	.....	3	.....
Snowdon .....	do .....	do do .....	2	221	.....	.....	.....	3
Stanhope .....	do .....	do do .....	6	593	.....	.....	4	1
Anstruther .....	Peterboro .....	T. G. Eastland, Apsley .....	3	472	.....	.....	2	.....
Burleigh .....	do .....	do do .....	1	62	.....	.....	.....	2
Chandos .....	do .....	do do .....	3	327	1	3	.....	.....
Methuen .....	do .....	do do .....	3	250	1	102	2	3
Cardiff .....	do .....	C. R. Stewart, Haliburton .....	9	850	1	2	1	3
Cavendish .....	do .....	do do .....	6	862	2	17	.....	4
Galway .....	do .....	do do .....	8	883	1	2	2	3
Monmouth .....	Haliburton .....	do do .....	15	1,792	7	366	5	7
Bangor .....	Hastings .....	do do .....	9	794	1	7	2	3
McClure .....	do .....	do do .....	3	519	.....	.....	.....	.....
Wicklow .....	do .....	do do .....	2	250	.....	.....	1	1
Carlow .....	do .....	J. R. Tait, L'Amable.....	12	1,250	1	2	6	6
Cashel .....	do .....	do do .....	2	228	.....	.....	.....	1
Dungannon .....	do .....	do do .....	6	888	2	1,062	3	8
Faraday .....	do .....	do do .....	8	996	2	17	2	5
Herschel.....	do .....	do do .....	3	305	1	4	4	3
Limerick.....	do .....	do do .....	.....	.....	2	115	.....	4
Mayo .....	do .....	do do .....	5	887	1	26	6	1
Monteagle .....	do .....	do do .....	9	759	2	16	4	6
Wollaston .....	do .....	do do .....	3	383	.....	.....	1	2
Abinger .....	Addington .....	A. W. Wood, Plevna.....	.....	.....	.....	.....	.....	7
Denbigh .....	do .....	do do .....	.....	.....	.....	.....	.....	4
Canonto, S. ....	Frontenac .....	do do .....	.....	.....	.....	.....	.....	.....
do N. ....	do .....	do do .....	.....	.....	.....	.....	.....	.....
Clarendon .....	do .....	do do .....	.....	.....	.....	.....	.....	1
Miller .....	do .....	do do .....	.....	.....	.....	.....	.....	1
Palmerston .....	do .....	do do .....	.....	.....	.....	.....	.....	1
Algona, S. ....	Renfrew .....	.....	4	160	.....	.....	2	4
do N. ....	do .....	.....	3	350	.....	.....	.....	2
Brougham .....	do .....	.....	9	1,097	1	42	2	1
Grattan .....	do .....	.....	7	604	2	82	2	5
Hagarty .....	do .....	.....	5	501	.....	.....	.....	3
Richards .....	do .....	.....	2	200	.....	.....	.....	.....
Wilberforce .....	do .....	.....	4	177	.....	.....	2	.....



(Appendix No. 11.)—Continued.

Township.	District or County.	Agent.	No. of persons located.	No. of acres located.	No. of pair classes.	No. of acres sold.	No. of lots resumed.	No. of patents issued.
Brudenell	Renfrew	Jno. Whelan, Brudenell	3	287			3	3
Griffith	do	do do	2	291				1
Jones	do	do do	14	1,482	2	73		
Lyell	Nipissing	do do	8	1,197			1	
Lyndock	Renfrew	do do	6	1,059	2	15	2	3
Matawatchan	do	do do	1	148				
Radcliffe	do	do do	7	936			1	1
Raglan	do	do do	14	1,477	2	100	9	9
Sebastopol	do	do do	2	194	1	88	3	1
Sherrwood	do	do do	14	1,521	7	22	1	7
Alice	do	Jas. Stewart, Pembroke	1	100			1	1
Buchanan	do	do do	6	615			3	1
Cameron	do	do do						1
Fraser	do	do do	2	300	1	2	1	1
Head	do	do do						
Maria	do	do do						
McKay	do	do do						
Petewawa	do	do do	6	703			2	4
Rolph	do	do do	1	112				1
Wylie	do	do do					1	
Bonfield	Nipissing	B. J. Gilligan, Mattawa	7	689			4	7
Calvin	do	do do	3	512			2	2
Ferris	do	do do	14	1,600	1	100	9	14
Mattawan	do	do do	4	501			1	2
Papineau	do	do do	10	1,023			2	2
Korah	Algoma	H. N. Young, Sault Ste. Marie	2	320	2	162		3
Parke	do	do do						
Prince	do	do do	7	1,102	1	2	4	6
Plummer	do	Thos. Buchanan, Thessalon						
St. Joseph Isld.	do		15	1,533	2	424	10	8
Blake	Thunder Bay	W. H. Hesson, Port Arthur	3	480			4	
Conmee	do	do do	11	1,778	1	162	7	2
Crooks	do	do do	3	542			1	
Dawson Road	do	do do						
Dorion	do	do do	21	3,374	1	10	14	1
Gillies	do	do do	11	1,724	2	5	10	2
Gorham	do	do do	14	2,184	1	2	2	
Lybster	do	do do	10	1,563			12	
Marks	do	do do	5	791	12	38	15	
McIntyre	do	do do	12	1,657			13	
McGregor	do	do do	4	641			1	
O'Connor	do	do do	13	1,975	2	161	19	
Oliver	do	do do	14	2,246	3	7	10	3
Paipoonge	do	do do	14	1,518			16	8
Scoble	do	do do	7	1,010	5	339	3	
Strange	do	do do	15	2,366	4	174	12	
Atwood	Rainy River	Wm. Campbell, Stratton	1	161			2	2
Blue	do	do do	21	3,133	12	28	15	
Curran	do	do do	4	648	3	10	3	2
Dewart	do	do do						
Dilke	do	do do			1	52		
Morley	do	do do	6	685	1	18	6	4
			5	810	7	93	6	13

Appendix No. 11.)—Concluded.

Township.	District or County.	Agent.	No. of persons located.	No. of acres located.	No. of pur-chasers.	No. of acres sold.	No. of lots resumed.	No. of patents issued.
McCrosson .....	Rainy River ...	Wm. Campbell, Stratton...	17	2,627	5	381	5	...
Nelles .....	do .....	do do .....	27	4,048	12	111	21	1
Pattullo .....	do .....	do do .....	8	1,130	15	259	4	2
Roseberry .....	do .....	do do .....	.....	.....	.....	.....	.....	2
Shenston .....	do .....	do do .....	3	323	3	24	3	6
Spohn .....	do .....	do do .....	11	1,598	1	9	.....	.....
Sutherland .....	do .....	do do .....	20	3,223	1	89	.....	.....
Sifton .....	do .....	do do .....	6	974	9	34	2	.....
Tait .....	do .....	do do .....	21	3,194	14	346	17	1
Tovell .....	do .....	do do .....	3	564	3	34	.....	.....
Worthington .....	do .....	do do .....	7	850	2	81	5	4
Aylsworth .....	do .....	Wm. Stephenson, Emo .....	3	404	1	40	2	.....
Barwick .....	do .....	do do .....	.....	.....	.....	.....	.....	2
Burriss .....	do .....	do do .....	24	3,966	8	105	23	2
Carpenter .....	do .....	do do .....	10	1,617	7	42	9	5
Crozier .....	do .....	do do .....	8	1,132	4	88	9	15
Devlin .....	do .....	do do .....	7	1,017	2	9	5	14
Dobie .....	do .....	do do .....	17	2,746	5	89	17	.....
Kingsford .....	do .....	do do .....	17	2,087	11	90	16	.....
Lash .....	do .....	do do .....	4	563	6	130	4	4
Mather .....	do .....	do do .....	17	2,743	9	148	17	2
Miscampbell .....	do .....	do do .....	13	2,063	1	80	9	.....
Potts .....	do .....	do do .....	9	1,452	7	12	.....	.....
Pratt .....	do .....	do do .....	10	1,607	4	23	4	.....
Roddick .....	do .....	do do .....	3	366	4	116	1	.....
Richardson .....	do .....	do do .....	12	1,821	.....	.....	.....	.....
Woodyatt .....	do .....	do do .....	2	316	4	118	.....	4
			1,098	152,699	326	10,212	710	894

E. S. WILLIAMSON,  
Clerk in Charge.

AUBREY WHITE,  
Assistant Commissioner.

(Appendix No. 12.)

Statement of work done in the Military Lands Branch of Crown Lands during the year.

Letters received .....	9,500
Letters written .....	8,000
Certificates issued .....	1,610
Documents issued in connection with certificates .....	8,000
Pamphlets issued .....	3,000
Maps issued .....	15,000
Forms issued .....	2,000
Location Certificates issued .....	2,040

R. H. BROWNE,  
Chief Clerk in charge.

AUBREY WHITE,  
Assistant Commissioner.

*(Appendix No. 13.)*

Statement of the number of Letters received and mailed by the Department in 1902 and 1903 and 1904.

Year.	Letters received.						Names indexed.	Orders-in-Council.	Returned Letters.	Letters, circulars and reports mailed from Department.
	Sales and Free Grants.	Surveys.	Woods and Forests.	Mines.	Colonization and Forestry.	Totals.				
1902....	15,055	6,480	5,339	3,828	6,299	48,401	45,207	98	62	48,500
1903....	16,750	6,612	5,923	4,572	16,976	62,333	56,319	86	58	51,250
1904....	17,960	6,735	5,786	3,250	8,239	41,970	48,230	79	47	52,110

AUBREY WHITE,  
Assistant Commissioner.

FRANK YEIGH,  
Registrar.

*(Appendix No. 14.)*

Statement of Municipal Surveys for which instructions issued during the year 1904.

No.	Name of Surveyor.	No.	Date of Instructions.	Description of Survey.	Date When Confirmed Under R. S. O. 1897, Cap. 181, Sects. 10 to 15 inclusive.
1	Alfred J. Cameron	648	29th March, 1904...	To survey right of way or road allowance along the west bank of the Otonabee river from Wolfe Street to Hunter Street in the town of Peterboro, and to define the western limit of the said right of way or road allowance by stone or iron monuments to be planted at the intersection of the several streets from Wolfe Street to Hunter Street with the said western limit, and at other places if necessary.	
2	Silas James .....	649	20th May, 1904.....	To survey the original allowance for road running in rear of lots thirty-nine and forty in the broken front concession of the township of York, from Ellis Avenue to the	Confirmed Nov. 16, 1904.

*(Appendix No. 14.)—Continued.*

No.	Name of Surveyor.	No.	Date of Instructions.	Description of Survey.	Date when confirmed under R.S.O. 1897, cap. 181, sections 10 to 15 inclusive.
2	Silas James.....	649	20th May, 1904 .....	river Humber, and to define the same by permanent stone or iron monuments erected on each side of said original road allowance to mark the limits thereof, said original road allowance being that between the broken front concession and the first concession from the Bay in the said township of York, in the county of York.	
3	E. T. Wilkie .....	650	17th June, 1904.....	To survey the line between the sixth and seventh concessions of the township of Hinchinbrooke, in the county of Frontenac, across lots numbers eight to sixteen inclusive, and to define the concession road allowance by permanent stone or iron monuments, planted on each side thereof.	
4	Peter S. Gibson.....	651	12th August, 1904...	To survey the allowance for road between the first and second ranges Credit Indian Reserve south of Dundas Street, township of Toronto, from the northwest angle of lot eight, first range, across lots nine, ten, eleven, twelve, thirteen and fourteen in the first range, and lots six, nine and ten in the second range, Credit Indian Reserve, and thence along the road allowance between the second Range Credit Indian Reserve and the second concession of Toronto Township, south of Dundas Street, being across part of lot twenty-two, lot twenty-three, lot twenty-four and lot twenty-five in the second concession south of Dundas Street to the westerly limit of said lot twenty-five, being the easterly limit of the allowance for road between lots twenty-five and twenty-six, known as the "Lorne Park Road," and as regards the second range on the northerly side of said road allowance, being across parts of lots ten, eleven and twelve and part of lot thirteen in the second Range, Credit Indian Reserve, and to define said allowance for road by permanent stone or iron monuments planted at each side thereof.	



*(Appendix No. 14)—Concluded.*

No.	Name of Surveyor.	No.	Date of Instruction.	Description of Survey.	Date when confirmed under R.S.O. 1897, cap. 181, sections 10 to 15 inclusive.
5	W. J. Blair .....	652	19th August, 1904..	To survey the boundaries of the town of New Liskeard, in the District of Nipissing, in accordance with the description embodied in the Proclamation of date 30th March, 1903, as published in the Ontario Gazette of 4th April, 1903.	28th December, 1904.
6	John H. Moore ...	653	14th October, 1904...	To survey the allowance for road, forming the boundary between the Township of Osgoode, in the County of Carleton, and the Township of Mountain, in the County of Dundas, and to mark the limits of the said original road allowance by permanent stone or iron monuments on each side of the said original road allowance.	

AUBREY WHITE,  
Assistant Commissioner.

GEORGE B. KIRKPATRICK,  
Director of Surveys.

*(Appendix No. 15.)*

## Statement of Municipal Surveys confirmed during the year 1904.

No.	Name of Surveyor.	No.	Date of Instructions.	Description of Survey.	Date when confirmed under R.S.O. 1897, cap. 181, sections 10 to 15 inclusive.
1	James A. Bell.....	645	12th August, 1903..	To survey the town line between the Township of Logan, in the County of Perth, and the Township McKillop, in the County of Huron, from the front of the thirteenth concession of each of said townships northerly to the north town line of the townships, and to mark said portion of town line by durable monuments at the angles of the concession road allowances abutting on the said town line, in the Townships of McKillop and Logan.	15th March, 1904.

*(Appendix No. 15.)—Continued.*

No.	Name of Surveyor.	No. Date of Instructions.	Description of Survey.	Date when confirmed under R. S. O. 1897, cap. 181, sections 10 to 15 inclusive.
2	E. T. Wilkie.....	646 31st August, 1903.....	To survey that part of the line between the fifth and sixth concessions of the Township of Hinchinbrooke, in the County of Frontenac, from lot twenty-five southerly to lot eleven inclusive, and to mark the same by permanent monuments at the angles of the lots on each side of the concession road allowance between the above concessions.	1st June, 1904.
3	E. T. Wilkie.....	643 27th February, 1903	To survey the line between the second and third concessions of the Township of Hinchinbrooke, in the County of Frontenac, across lot number twenty-four and to define the same by permanent stone or other durable monuments.	1st June, 1904.
4	W. E. Yarnold....	647 3rd November, 1903	To survey the original road allowance between lots sixteen and seventeen in the third concession of the Township of Pickering, in the County of Ontario, and to mark the same by permanent monuments of stone or iron planted on each side of the allowance for road so as to define the limits of the above lots.	20th June, 1904.
5	James L. Morris..	644 2nd May, 1903.....	To survey the road allowance between lots five and six from concession number three to concession number eight, both inclusive, in the Township of Ross, in the County of Renfrew, and to mark the same by permanent monuments on either side thereof.	16th Nov'ber, 1904.
6	Silas James .....	649 20th May, 1904.....	To survey the original allowance for road running in the rear of lots thirty-nine and forty in the broken front concession of the Township of York, from Ellis Avenue to the River Humber, and to define the same by permanent stone or iron monuments erected on each side of the said original road allowance to mark the limits thereof, said original road allowance being that between the broken front concession and the first concession from the Bay, in the said Township of York, in the County of York.	16th Nov'ber, 1904.

*(Appendix No. 15.)—Concluded.*

No.	Name of Surveyor.	No	Date of Instructions.	Description of Survey.	Date when confirmed under R.S.O. 1897, cap. 181, sections 10 to 15 inclusive.
7	W. J. Blair .....	652	August 19th, 1904	To survey the boundaries of the 26th Dec'ber, 1904. Town of New Liskeard, in the District of Nipissing, in accordance with the description embodied in the Proclamation of date 30th March, 1903, as published in the Ontario Gazette of the 4th April, 1903.	

AUBREY WHITE,  
Assistant Commissioner.

GEORGE B. KIRKPATRICK,  
Director of Surveys.

*(Appendix No. 16.)*

Statement of Crown Surveys in progress and amount paid to date, during the year 1904.

No.	Date of Instructions.	Name of Surveyor.	Description of Survey.	Amount paid.
1	July 7th, 1903.....	W. Galbraith.....	Survey of township of Sheraton, in the District of Nipissing .....	\$2,000 00
2	October 7th, 1904	E. Seager .....	do      Pettypiece, in District of Rainy River .....	1,400 00
3	March 2nd, 1904	T. B. Speight.....	Survey of Islands in Lake Temagami, in the District of Nipissing .....	1,100 00
4	May 30th, 1904..	Alex. Niven.....	Preparation of plan of islands in Lake Temagami .....	.....
				\$4,500 00

AUBREY WHITE,  
Assistant Commissioner.

GEORGE B. KIRKPATRICK,  
Director of Surveys.

## (Appendix No. 17).

## Statement of Crown Lands surveyed, completed and closed during the year 1904.

Number.	Date of Instructions.	Name of Surveyor.	Description of Survey.	Amount paid.	No. of Acres.
1	June 23rd, 1903 .....	James Robertson ...	Survey of townships of Barnett and Cook, District of Nipissing	4,639 72	46,523
2	June 23rd, 1903 .....	James Robertson ...	Survey of Base Line in the District of Nipissing .....	606 40	
3	June 26th, 1903 .....	Jas S. Dobie .....	Survey of townships of Milligan and Warden, District of Nipissing...	2,012 49	46,193
4	June 27th, 1903 .....	A. T. Ward .....	Survey of townships of Britton & Rowell, District of Rainy River...	1,426 94	46,742
5	June 29th, 1903 .....	A. S. Code .....	Survey of townships of Taylor and Stock, District of Nipissing.....	2,636 80	45,615
6	June 29th, 1903 .....	W A. McLean .....	Survey of township of McCool & north boundary Munro, Nipissing ..	38 15	23,020
7	June 30th, 1903 .....	W H. Fairchild ...	Survey of townships of German, Matheson and Gowan, District of Nipissing	3,703 07	68,923
8	May 16th, 1904 .....	John H. Shaw .....	Survey of township of Currie in the District of Nipissing .....	168 18	23,080
9	July 3rd, 1903 .....	G. L. Brown .....	Survey of townships of Hoyle and Murphy, District of Algoma....	2,836 20	45,734
10	June 30th, 1903 .....	A. J. Cameron .....	Survey of township of Walker, in the District of Nipissing.....	225 04	23,056
11	July 20th, 1903 .....	Edmund Seager .....	Survey of township of Revell in the District of Rainy River.....	551 04	22,872
12	Sept. 19th, 1903 .....	A. T. Ward .....	Survey of township of Hartman in the District of Rainy River	815 53	23,079
13	June 29th, 1903 .....	Thomas Scane .....	Survey of township of Auld in the District of Nipissing .....	56 78	22,954
14	Sept. 16th, 1903 .....	A. H. Macdougall...	Survey of township of Innes in the District of Thunder Bay...	165 12	26,216
15	July 14th, 1903 ....	D. J. Gillon .....	Survey of townships of Richardson & Potts, District of Rainy River.	232 25	47,554
16	July 21st, 1903 .....	Angus Smith .....	Survey of townships of Burt & Holmes, District of Nipissing...	574 32	46,229
17	July 31st, 1903 .....	A. Loughheed .....	Survey of townships of Tovell & Dewart, District of Rainy River.....	706 10	48,230
18	March 4th, 1904 .....	D. J. Gillon .....	Survey of certain timber berths in the District of Rainy River	2,043 40	
19	February 13th, 1904	T. J. Patten .....	Survey of line between timber berths 143 & 149, N. S. L. Huron	278 76	
20	January 29th, 1904	Jas S. Dobie .....	Survey of line between timber berths 2 & 3, Chesley Additional, in Algoma .....	110 10	
21	May 16th, 1904 .....	W J. Blair .....	Survey of township of Coleman in the District of Nipissing	1,564 21	21,453
22	July 3rd, 1903 .....	A. J. Cameron .....	Survey of townships of Clergue & Teefy, District of Nipissing.	4,920 94	46,269
23	May 16th, 1904 .....	J W. Fitzgerald ...	Survey of townships of Little and Mann, District of Nipissing.....	4,435 52	45,953
24	May 16th, 1904 .....	Cavana & Watson...	Survey of townships of Tully and Prosser, District of Algoma ....	4,423 71	45,849
25	May 16th, 1904 .....	Alex. Baird .....	Survey of township of Calvert & south part Aurora, District of Nipissing...	3,335 76	34,564
26	May 16th, 1904 .....	John H. Shaw .....	Surveys of townships of Bond, Bowman & Egan, District of Nipissing...	6,373 68	69,152



## (Appendix No.17)—Continued.

Number.	Date of Instructions.	Name of Surveyor.	Description of Survey.	Amount paid.	No. of acres.
27	May 16th, 1904 .....	A. S. Code .....	Survey of township of Carr, in the District of Nipissing .....	2,163 90	22,042
28	May 16th, 1904 .....	T. B. Speight .....	Survey of certain Base and Meridian Lines, Algoma & Nipissing .....	3,300 00	
29	February 25th, 1904 .....	T. B. Speight .....	Survey of part of Lofig Point, Lake Erie .....	90 00	
30	March 12th, 1904 .....	J. F. Whitson .....	Survey of lands adjoining Fort Frances Water Power .....	86 25	
31	May 31st, 1904 .....	Jos Cozens .....	Survey of townships of Knox & Rickard, District of Nipissing .....	4,693 64	48,652
32	May 16th, 1904 .....	A. D. Griffin .....	Survey of townships of McCart & Dundonald, District of Nipissing..	4,130 01	45,889
33	May 16th, 1904 .....	W. Galbraith .....	Survey of certain Base and Meridian Lines District of Nipissing.....	5,644 39	
34	May 16th, 1904 .....	J. S. Dobie .....	Survey of townships of Beatty & Munro, District of Nipissing.	4,375 35	48,615
35	May 30th, 1904 .....	Alex. Niven .....	Survey of Lake Temagami and Islands, District of Nipissing .....	5,021 43	
36	June 13th, 1904 .....	Thos. Scane .....	Survey of township of Pense in the District of Nipissing .....	2,223 54	20,331
37	June 15th, 1904 .....	A. H. Macdougall..	Survey of township of Pearson in the District of Thunder Bay .....	3,030 47	35,015
38	June 30th, 1904 .....	D. J. Gillon .....	Survey of township of Dance & pt. of Fleming, District of Rainy River....	2,660 28	35,115
39	July 8th, 1904 .....	J. F. Whitson .....	Survey of part of the west boundary of Craig & timber berth on Dog Lake .....	100 93	
40	Sept. 3rd, 1904 .....	J. F. Whitson .....	Survey of west b'dary of Timber Berth 168 & pt. Biscotasing Lake....	219 81	
41	May 16th, 1904 .....	T. J. Patten .....	Survey of Base and Meridian lines in the District of Algoma .....	6,587 48	
42	June 25th, 1904 .....	T. B. Speight .....	Survey of township of McCann in the District of Nipissing..	2,527 02	23,078
			John B. Smith & Sons, wooden boxes..	5 40	
			H. Treeby, Salary .....	836 89	
			Rice Lewis & Sons, iron posts..	222 50	
				96,799 50	1,147,997

AUBREY WHITE,  
Assistant Commissioner.

GEORGE B. KIRKPATRICK,  
Director of Surveys.

*(Appendix No. 18.)*

## BASE AND MERIDIAN LINES, DISTRICT OF ALGOMA.

Little Current, Ontario, October 20th, 1904.

SIR,—I have the honor to submit to you the following report on the survey of base and meridian lines in the District of Algoma, under instructions from your Department dated May sixteenth, A.D., nineteen hundred and four.

After forming my party principally of Indians from this place and Missanabie, I proceeded by way of Metagama Station on the Canadian Pacific Railway to my starting point at the northwest angle of the township of Murphy, and arrived there on the eighteenth of June last, having been two weeks on the way from Metagama Station.

From the above starting point I ran a meridian eighteen miles north. I then returned six miles to my twelve mile post, and ran a parallel east along the north boundaries of the township of Prosser and Tully to its intersection with Ontario Land Surveyor Niven's east boundary of Algoma, near the one hundred and forty-fourth mile post, then proceeding north on the said district line to the one hundred and fiftieth mile post I ran from there a parallel twelve miles west, having intersected at eleven miles, sixty-nine chains and nine links, my meridian. From this twelve mile post on the parallel, I then ran a meridian twelve miles north keeping the mileage continuous from the northwest angle of Murphy, thus making thirty miles therefrom. From this thirty mile post I then ran a parallel east to where it intersected the district boundary near the one hundred and sixty-two mile post. I then returned to the thirty mile post on the meridian, and ran a parallel twelve miles west. I then returned to the thirty mile post and from there ran north ten minutes east, astronomically, twelve miles, keeping the mileage continuous, thus making forty-two miles. Then from the one hundred and seventy-fourth mile post on the said district boundary, a parallel was run which intersected my meridian near the forty-two mile post. From this intersection I then ran a parallel eighteen miles, the mileage on posts reckoning from my meridian.

Parallels were run on six mile chords, with the exception, as shown in the field notes, of a portion of the parallel from the twelve mile post on the meridian, also a portion of that from the one hundred and fiftieth mile post on the district boundary, and the one running west from the thirty mile post on my meridian.

Wooden posts were planted at every mile excepting where the mileage occurred in a lake or river. At such points witness posts were planted on the shore, with the mileage and plus chainage marked thereon. Where a post was intended to mark the corner of a township, the name was marked on that side of the post facing the township. An iron post one and seven eighths inches in diameter was also planted every six miles to mark the township corners, and at every three miles midway between, a one and one quarter inch iron one was planted. All posts were marked with the mileage on the side facing the direction from which the line was run and measured.

The magnetic variation ranges from two to twelve and one-half degrees west, but is mostly from eight to nine degrees. In some places it was fairly uniform.

The lines were well cut out and blazed.

The distances from the intersections of my lines with the several closing points are noted in the field notes.

I endeavored to observe for azimuth at least every six miles, but on account of cloudy weather, at times I was unable to.

The southern portion of the country traversed is generally level, and some low lands, with an occasional ridge a few feet above the general level covered with poplar and red spruce, and occasionally a few birch and balm of gilead. The middle portion is nearly all level with a considerable part of it low lying and covered with a thick growth of red spruce and dead tamarac. The northern portion is mostly higher ground, and towards the Frederick House River is hilly, and generally compares very favorably with the fine farming districts in the south of the province. From the hill on the fortieth mile of the meridian, a splendid view was obtained of the country to the south-west, west, north-west and north, and as far as could be seen with a field glass, probably nearly forty miles, it appeared to be poplar ridges. To the north-east, east and south-east, it appeared to be rolling and hilly.

A few small lakes were crossed by the lines.

The soil is in the higher tracts clay and clay loam. In the lower tracts it appears to be clay, but covered with black muck to various depths. At the northeast angle of the township of Tully some sandy loam was seen. At least seventy-five per cent of the land is capable of cultivation with a fair amount of draining by the settlers, and with a system of drainage under Government aid, practically all the country would be available. In the northern part, somewhat more than half of the country is high and rolling or slightly rolling. A great portion of that which now appears to be swamp, and which is included in the seventy-five per cent. mentioned, would, when cleared, be sufficiently dry. An evidence of this appears in the fifteenth mile of the meridian, where a large tract of the swamp having been burned, was quite dry, and the heavy growth of moss having been cleared, and mixed with the muck, makes a highly productive soil. This moss prevails to a considerable extent in the lower tracts, and is from ten to sixteen inches thick.

There is very little rock, only five outcrops of granite were found on the lines. No other rock was seen, except at the rapids in the larger streams. There were no indications of mineral.

The timber on the higher ground is chiefly poplar, white birch, balsam, with a few balm of gilead, and white spruce, and is usually tall clean timber, from six to twenty-four inches in diameter. On the most northerly line there are some large cedars on the higher lands. In the low lands the timber is principally red spruce and dead tamarac up to twelve inches in diameter. Away from the streams and in the very wet muskegs the timber is spruce in places and scrubby. It was observed that the small tamaracs seemed fairly thrifty, with some traces of decay, but whether they are also dying, or recovering from the scourge peculiar to them, we could not make out.

The Mattagami River, is a fine stream. It averages about seven chains in width and twelve feet deep in low water, with banks about fifteen to twenty feet, and slow current.

The Muskego River, which empties into it from the west is about two chains wide, and ten feet deep, and fifteen foot banks, with usually a slow current.

The Driftwood Creek, which empties into the Frederick House River, is much the same as the Muskego.

A large stream, about one chain wide and four feet deep, between the meridian and Frederick House River could probably be used to advantage in the survey of those townships.

The Frederick House River is usually about three chains wide and from ten to twelve feet deep in low water. There is a good deal of swift water on it,



which, in high water, would make it difficult to ascend. The Indians prefer to go up the Driftwood Creek and across to the Mattagami in high water. They say that there is a creek above the portage from the Driftwood, which in high water makes it quite easy to cross over to the Mattagami. In low water it is better, if not the only way, to go by the portages, as shown on the map.

There appears to be plenty of large game, except caribou. Also partridge, duck, beaver, muskrat, mink, rabbit. We saw, on our return, all along the banks of the Mattagami River, where the bears had torn down the red willows while eating the willow berries, of which they seem to be very fond. Our canoe men shot some sturgeon in the Frederick House River. We caught also pike and pickerel.

There is an abundance of raspberries, strawberries, goose berries, red and black currants, cranberries and high bush cranberries.

I have the honor to be, sir,

Your obedient servant,

(Sgd.) T. J. Patten,

Ontario Land Surveyor.

To the Honorable, the Commisisoner of Crown Lands, Toronto.

---

(Appendix No. 19.)

BASE AND MERIDIAN LINES, DISTRICT OF NIPISSING.

Bracebridge, Ontario, October 31st, 1904.

SIR,—I have the honor to submit the following report on the survey of base and meridian lines in the District of Nipissing, under instructions from your Department, dated the sixteenth day of May, A.D., nineteen hundred and four.

Soon after receiving the instructions, I was joined at North Bay by the members of my party, and we journeyed, by way of the usual canoe route, to Lake Abitibi, then continued down the Abitibi River about six miles to the meridian line run by Ontario Land Surveyor, T. B. Speight, in nineteen hundred and two, at which point we arrived on the twenty-second day of June and made preparations for the commencement of the survey.

On the twenty-third day of June I began the first meridian, which forms the east boundaries of the townships of Knox and Moody, commencing the work at the iron and cedar posts planted by Mr. Speight near the Abitibi River, and marked by him "XLV M, 14 chains 54 links". From this point I ran due north a distance of nearly nine miles, planting at the end of every mile, a substantial wooden post, and iron posts at every third mile, all of which posts were marked with the number of miles they are distant north of the township of Eby.

I then proceeded to the twenty fourth mile post on Ontario Land Surveyor Patten's base line, at the northeast angle of the township of Walker, and ran the second meridian north from this point a distance of twelve miles; this line forms the west boundaries of the townships of Rickard and Wesley and the east boundaries of Teefy and Edwards.

After returning to the Abitibi River I travelled westerly along Ontario Land Surveyor Patten's base line to his twelfth mile post, at the southwest an-



gle of the township of Calvert, and then ran my third meridian due north between the township of Calvert and McCart, and between Aurora and Newmarket.

Along the second and third meridian lines wooden posts were planted at the end of every mile, and iron posts at every third mile, and were marked with the number of mile north of Ontario Land Surveyor Patten's base line; the sixth mile posts were also marked with the names of the adjoining townships.

Then, proceeding to the one hundred and fiftieth mile post on the District boundary between Algoma and Nipissing, I ran a base line due east on the six mile chords of a parallel of latitude, to the west shore of Lower Lake Abitibi; this line forms the north boundaries of the townships of Mann, Newmarket, Aurora, Edwards, Wesley, and Moody. Along the base line wooden posts and iron posts were planted and marked with the number of miles from the District boundary.

When surveying the base line, the third and second meridians were continued north twelve miles in each case to intersect Mr. Speight's base line, which line had been run before I reached these intersections.

All of the lines were well opened out and blazed in the usual way; at all river crossings and at the shore of Lake Abitibi I was careful to have a number of trees blazed so that the lines can readily be seen from the water.

The magnetic variation was fairly uniform at from seven degrees thirty minutes to eight degrees thirty minutes west, the only marked local attraction being near the district boundary in the township of Mann.

#### GENERAL FEATURES.

In many places along the Abitibi River and extending back for about one mile the land is rolling and somewhat broken by ravines cut through the clay by the running streams, while the remainder of the country, which would be about seventy-five per cent of the lands travelled over, is quite level or undulating. The surface of the ground is generally at an elevation of from ten to twenty-five feet above the level of the water-ways, affording good opportunities for drainage when the country is opened up.

Many spruce swamps occur in the level tracts along the base line and to the north of this line; these swamps are capable of being made into excellent land by drainage, and in most cases the streams are so numerous that no very long drains will be required. In all these swamps the surface is covered with a thick coating of moss, and where soundings were made I found the soil to be a black vegetable mould, always underlaid by clay at a depth of from three to six feet.

#### SOIL.

The soil is excellently suited for agriculture and is clay loam, and clay, and in many parts is extremely rich in vegetable matter. Much of the clay appears to contain a percentage of sand, and will no doubt make a profitable soil with cultivation. Sandy soil was found at some points along the lines; the most extensive stretch of this soil being along the third meridian in the townships of McCart and Calvert.

The abundant growth of small fruits, raspberries and currants, give evidence of the great productiveness of the soil over the larger part of the country.

## TIMBER.

Along the streams, and on the rolling lands, the timber is of fair size and quality, comprising spruce, balsam, white birch, poplar, tamarac, with some balm of gilead, cedar and banksian pine. The tamarac is now mostly killed by insects. In the swamp lands is a more stunted growth of spruce and tamarac.

## MINERALS.

Outcroppings of rock chiefly of Huronian formation occur at the different falls and rapids along the Abitibi and the Mistogo Rivers; these exposures are covered before extending far inland. No fixed rock was observed along the meridian lines, and exposures occur at only four points along the base line, namely, at the west shore of the Frederick House River; a low ridge on the sixth mile, a prominent outcrop on the twenty-second mile, and a narrow ridge on the forty-second mile.

The geogical features of the country were examined during this season by Mr. J. G. McMillan for the Bureau of Mines.

All of the townships within the limits of the survey contain a large percentage of excellent land, and upon the opening of railway communication this whole tract will afford splendid openings for settlement.

Very little of the timber has been destroyed by fire and large quantities of spruce, poplar and other woods are available for pulpwood and other purposes.

With this report I forward plan of survey and field notes made out in the usual form.

I have the honor to be, sir,

Your obedient servant,  
(Sgd.) W. Galbraith,

Ontario Land Surveyor.

To the Honorable, the Commissioner of Crown Lands, Toronto.

---

(Appendix No. 20).

## BASE AND MERIDIAN LINES, DISTRICT OF NIPISSING.

Toronto, Ontario, 27th December, 1904.

SIR,—I have the honor to submit the following report on the survey of certain base and meridian lines in the District of Nipissing, pursuant to instructions from your Department, bearing date the sixteenth day of May, A.D., nineteen hundred and four.

On the twenty-fifth of May I left Toronto, taking six men, and on arriving at Mattawa secured four others.

The remainder of the party were engaged at North Temiskaming and New Liskeard, making a total of nineteen all told.

Dr. Joseph Workman, representing the Bureau of Mines, accompanied us for the purpose of making a special report on the geological features.

One detachment of supply men with about half the season's supplies went by way of the Abitibi River to Abitibi Post, where the goods were to be stored.

With the remainder I proceeded up the Blanche River and Black River route and completed the subdivision of the township of McCann, as already reported. During the progress of the subdivision work my supply men were engaged in forwarding provisions for use on the base line work and in opening out the necessary trails between Abitibi River and the district boundary.

Having completed the survey of the township of McCann, we travelled down the Black and Abitibi Rivers to about the latitude of the first base line covered by my instructions, and went thence overland to the district boundary.

While on the last stage of this journey a lamentable accident befell my supply men, who at that time were forwarding provisions for temporary storage in a log house near the head of the Long Sault Rapids, about eight miles down the Abitibi River from our point of departure.

Four men, William Default, David Lacelle, Joseph Burns and Arthur Fleury, started from our camp on the morning of the thirteenth of July with our largest canoe, containing about one thousand pounds of provisions and two hundred pounds of iron bars for the store house referred to. The three first named had been sent by me down the river on the previous day to examine it, and the report brought back was favorable. It was therefore without any thought of risk that I despatched them on the thirteenth, with the cargo mentioned.

About two P.M. Default and Burns returned to Camp with the sad tidings that Lacelle and Fleury had been drowned in the rapid at the head of the Long Sault, and that they themselves narrowly escaped a similar fate. We at once set to work to improvise grappling irons to search for the bodies of the unfortunate men, and with two canoes continued until the evening of the fourteenth our fruitless quest.

From the report of the survivors it appears that their journey was uninterrupted by any rapid of importance until they reached the second island in the river, and, from the Departmental map, a copy of which I had furnished them with, the Long Sault was supposed to be still at least two or three miles down the stream. They took the left hand channel and soon found themselves approaching a chute with a sheer drop of about four feet. It was then too late to turn back or effect a landing, so the canoe was headed for the fall. At the foot it swamped and capsized. Lacelle reached the top of the upturned canoe, but was unable to maintain his hold and sank. Fleury had even less chance, as he was thrown quite clear of the canoe when it capsized, and sank immediately. Default managed to seize the bow line, to which he clung until the current carried him into quieter water, when he managed to right the canoe and make his way ashore. Burns grasped a case of evaporated potatoes floating near him, and it proved to have sufficient buoyancy to support him until he was cast ashore about half a mile down stream.

All the contents of the canoe having been lost, the survivors improvised paddles and made their way back to camp as stated.

I have since learned that the body of Fleury was found some weeks later at a distance of twenty miles below the scene of the disaster, and after having been identified by his relatives, was buried by them near where the body was found. It has been said that poor Lacelle's remains were seen by Indians on the river bank near where the Frederick House River enters the Abitibi.

Both Fleury and Lacelle were residents of Mattawa: the latter left a widow and several children.

The survey of my first base line was begun at the end of the one hundred and sixty second mile on the district boundary as run by Ontario Land Surveyor Niven in eighteen ninety-eight, at which point I found an iron post one and one-quarter inches in diameter planted beside a tamarac post, both



bearing the marks CLXII M. on the south side, N. on the east side and A. on the west side.

Having taken an astronomical observation, and verified the course of the district boundary, I laid off from it the required angle of eighty-nine degrees and fifty-seven minutes, and ran east twenty-four miles, on six mile chords of the parallel of latitude passing through the initial point, planting a wooden post of as durable material as could be obtained at the end of each mile, and marking on the west side of each post the number of the miles from the district boundary. At the ends of the sixth, twelfth, eighteenth and twenty-fourth miles I planted iron posts one and seven-eighths inches in diameter and three feet long, marking them similarly to the wooden posts, and at the ends of the third, ninth, fifteen and twenty-first miles I planted iron posts one and one quarter inches in diameter and having marks similar to those on the respective wooden posts beside which they were planted.

We returned to the twelfth mile post and ran due north twenty-four miles, planting posts similar to those on the base line as above described as far as the twelfth mile only, when the supply of iron posts ran low. I planted an iron post at the eighteenth mile on this line and reserved the sole remaining iron post for the sixth mile on the second base line.

Returning to the twelfth mile on the meridian line as above described, we ran west on six mile chords of a parallel of latitude, and closed on the district boundary at the one hundred and seventy-fourth mile post. As my second base line struck only four links south of this post, I did not plant a new post to mark the westerly extremity of the base line.

The disaster of the thirteenth of July had, naturally, a very depressing effect on the spirits of the party, and when we reached the Abitibi River with the first base line, five men determined to return to Mattawa. Others left later as opportunity offered, and the best I could do towards replacing them was by engaging local Indians by temporary arrangement, as they were obliged to leave me at the first of September to prepare for the hunting season.

To bring in more men from Mattawa would have involved a month's delay, so I was reluctantly compelled to withdraw from the survey, notwithstanding the fact that I had ample supplies to complete the work covered by my instructions.

#### GENERAL FEATURES.

The country traversed by the three lines comprised by this survey, and which for the purpose of reference are designated the first base line, the second base line and the meridian, is for the most part level with occasional swamp areas of considerable extent, caused by slight depression below the general elevation.

In the vicinity of the rivers and larger creeks the surface tends to rolling. Only one lake of open water was crossed by any of the above lines.

The Abitibi River with its tributary streams carries the water to James Bay.

#### SOIL.

Heavy clay forms the chief soil of the whole section. Clay loam appears in places, particularly along the streams. The swampy areas above referred to result from comparatively slight depressions which hold sufficient water to promote the growth of moss. The moss, in turn, prevents the escape of the water, and peaty deposits result, in many cases from one to two feet in depth. These swamps are, as a rule, easily convertible into good farm land by slight expenditure for drainage. There are a few small ridges of sand, but of limited extent.



### TIMBER.

Spruce, white birch, balsam, white poplar, balm of gilead and tamarac, in the above order of prominence, constitute the forest of the district, a few bank-sian pines and cedars occurring at intervals. In and about the valleys of the Abitibi River and smaller streams, spruce in fairly large quantities attains a diameter of from fifteen to twenty-four inches and will some day become an important asset in the way of lumber. White poplar and balm of gilead also reach a diameter of twenty to thirty inches in the more favorable spots. It is a fair assumption that this region will yet be found of considerable importance in the production of pulp. In the parts more remote from streams, and particularly in the moss grown areas the timber growth is more stunted. Brule was met with on the third, fourth and fifth miles of the meridian line. The result of a fire probably six or seven years ago. It extends to about a mile to the east and three or four miles to the west of that line. Nearly all the older growth tamarac in the whole district is dead from the ravages of the pest, but the trees of a more recent growth seem to be escaping.

### MINERALS.

With the exception of occasional rapids in the streams, no rock outcrop was observed by me, and I have therefore no economic mineral to report. Dr. Joseph Workman, representing the Bureau of Mines, will, however, make a special report under this head.

### WATER.

As above noted, the main waterway is the Abitibi River, which has an average breadth of perhaps three hundred feet and depth varying from eight to twelve feet, except where rapids occur. Its immediate banks rise to an average height of about ten feet, but at a distance of from two hundred to three hundred feet from the channel the valley's banks reach an elevation of from fifty to seventy-five feet. The Long Sault Rapid which is crossed by the second base line in the eleventh mile, extends about four miles south of that line and probably two miles north, and has a total fall of seventy-five to eighty feet. While at present a very disagreeable obstruction to navigation, this fall is capable of being developed into a valuable water power when circumstances warrant it.

Chin River is the only other stream (within the area included by my survey) which is navigable for canoes. Its breadth is from one to two chains, and depth about five feet. Numerous rapids obstruct its course, particularly in the part to the north of the second base line. Some of these will be useful for smaller water powers when required. In all the streams referred to the usual turbid appearance characteristic of the clay belt was noticed. Navigation is rendered unusually dangerous by reason of this quality, as obstructions six inches below the surface of the water are invisible. The almost complete absence of lakes is a peculiar feature of this region.

### GAME AND FISH.

Moose, bear and beaver are fairly numerous. Mink, martin and fisher are present in smaller numbers. Pike, pickerel and perch were occasionally taken, but were scarce.

## SUMMARY.

Not less than sixty per cent. of the country embraced by this survey is good soil, well adapted for agriculture. To this may be added a further twenty-five per cent. of wet land requiring but little drainage to make it available for that purpose.

Sufficient timber for all local needs, with a fair surplus for export, is distributed fairly evenly.

The climate, so far as our observations of the summer of nineteen hundred and four go, is not unsuited to the profitable carrying on of farming. The rainfall was much less than that reported in older Ontario, and frost was noted once in July and twice in August, but on no occasion was it such as to injure crops.

When the proposed railway lines are completed, I feel confident that a large addition to the agricultural possibilities of the Province will be found in this region.

Until access to and through the district is made possible by means of railway facilities, it must of necessity remain dormant.

Accompanying this report are a general plan and field notes of the entire survey.

I have the honor to be, sir,

Your obedient servant,

(Sgd.) T. B. Speight,

Ontario Land Surveyor.

To the Honorable, the Commissioner of Crown Lands, Toronto.

(*Appendix No. 21*).

## TOWNSHIP OF MURPHY, DISTRICT OF ALGOMA.

Morrisburgh, Ontario, December 20th, 1904.

SIR,—I have the honor to submit, herewith, my plan and field notes of the survey of the township of Murphy, in accordance with instructions from your Department under date of June thirtieth, A. D., nineteen hundred and three.

I began this survey about the ninth of August, commencing at the iron post planted at the south-west corner of Hoyle as instructed, and completed my work on the twenty-third of September. This township, like Hoyle, is generally level, except that in a few places it is intersected by low rocky ridges, and the soil is also clay, very similar to that of Hoyle, but has occasional patches of sand upon which are found growths of jack pine, the rest of the township being wooded with spruce, with the usual marginal belts along the lakes and streams, of balm of gilead, white birch and poplar. There are two or three very pretty lakes, and one of considerable size, with clear water, and apparently well stocked with pike. Here, as in Hoyle, were abundant evidences of beaver.

A creek of some size runs northeasterly across the northern part of the township, and discharges into the Porcupine River. This is a township of excellent land, though probably not equal to Hoyle.

After completing my survey, before returning home I traversed a considerable portion of the Porcupine River, which may be characterized as an ex-

tremely crooked creek, until it reaches a point in the fifth concession of Hoyle, where it develops into a fine stream, with high banks.

Both townships being so level, it is needless to say that there are no water powers.

The natural outlet of these townships is by the Porcupine River, Night Hawk Lake, and its outlet at the north-west corner, northerly by Frederick House River. The agricultural capabilities of Hoyle and Murphy, and their vicinity to the route of the Grand Trunk Pacific, (if indeed that railway does not pass through these townships), mark them out as being particularly valuable, and desirable for settlement, especially as by means of the Temiskaming and Northern Ontario and Grand Trunk Pacific Railways, they will be so easy of access.

I have the honor to be, sir,

Your obedient servant,

(Sgd.) Geo. L. Brown,

Ontario Land Surveyor.

To the Honorable, the Commissioner of Crown Lands, Toronto.

(Appendix No. 22.)

#### TOWNSHIP OF HOYLE DISTRICT OF ALGOMA.

Morrisburgh, Ontario, December 29th, 1904.

SIR,—I have the honor to transmit herewith the plan and the field notes of my survey of the township of Hoyle under instructions from your Department, dated June thirtieth, A. D., nineteen hundred and three.

I started on the twenty-first day of July, nineteen hundred and three, but as canoes for transportation could not be obtained, I had to remain at Metagami Station until I built punts. This and the uncommon difficulties of the route delayed me so that I did not reach my location until the nineteenth day of August, and so was unable to complete my work that season. I began at the southeast corner of the township of Hoyle, where I found Ontario Land Surveyor Niven's one hundred and twenty-sixth mile post on the district boundary between Nipissing and Algoma, and ran a line westward, twelve miles, forming the southern boundary of the townships of Hoyle and Murphy, to a post planted by Ontario Land Surveyor Speight, which I struck within nine links. On the way, at the sixth mile, I planted, as instructed, an iron post, marked Hoyle on the northeast side, Whitney on the southeast side, Tisdale on the southwest side, and Murphy on the northwest side, and Con. I on the North side XII. on East side and I., on West side. I then prosecuted the survey of the township, until the increasing frost warned me to return home.

This year, I made light skiffs for transportation purposes, and took them with me, leaving home with men and equipment, on the twenty-seventh day of June, reaching Mattawa on the twenty-eighth, where I took the train for Temiskaming, and there the steamer for Haileybury. Thence I portaged seven miles by wagon road to Bay lake, an arm of the Montreal River. We ascended this river to the height of land, which having crossed, we availed ourselves of various lakes and streams to Night Hawk Lake. This we crossed in the night, as even a light wind makes it dangerously rough. We then ascended the Porcupine River, a tributary from the northwest to a point half a mile east of Hoyle and about three miles north of its south boundary, hav-



ing made the trip from Bay Lake in ten days. The portages by this route are somewhat numerous, but short, and the trails are smooth and dry. I found the skiffs I had made very much superior to canoes in loading capacity, safety on the water, and in running rapids, and the route much less arduous than the former one from Metagami Station by the Spanish River, and the Metagami River and Lakes.

I completed my survey of the township of Hoyle on the eighth day of August. This township is covered with an unbroken but open forest, almost wholly of spruce, except near the margin of the streams, where there is almost invariably a heavy growth of magnificent balsam of gilead, white birch and poplar, with tall straight and smooth trunks. The spruce run from five to twenty-four inches in diameter. There are no clearings or settlers in this township. The surface is very level, well watered with small streams, the southeastern portion sloping towards Night Hawk Lake, and the rest of the township sloping towards the north and east. The soil is clay with a thin over-lay of muck, covered with moss, most excellent agricultural land, with hardly an acre of poor land in the whole township. The Porcupine River runs northerly and easterly through the township, and although one of the most tortuous of crooked streams, maintains a perceptible current throughout and with its tributaries gives excellent facilities for drainage. The water of this river and of the streams is much colored, no doubt from the surface muck, and contains few fish.

Partridge were very plentiful, and moose, numerous. My men, one morning on the line started up a herd of six moose. Everywhere on the streams were evidences of the recent presence of beaver.

The growing season is of course shorter than in Old Ontario, but vegetation, I judge, is rapid during the summer months. On the nineteenth of August we sampled potatoes in a patch on an island in Night Hawk Lake and found them to be of good size, plenty in the hills, and the tops yet green. Fine wild red currants were abundant all through the township, and we picked ripe red raspberries in July, August and September.

All of which is respectfully submitted,

Your obedient servant,

(Sgd.) Geo. L. Brown,

Ontario Land Surveyor.

To the Honorable, the Commissioner of Crown Lands, Toronto.

(Appendix No. 23.)

TOWNSHIP OF GOWAN, DISTRICT OF NIPISSING.

Simcoe, Ontario, December 29th, 1904.

SIR,—I herewith beg leave to submit my report on the survey of the township of Gowan, in accordance with instructions dated the sixteenth day of May A. D., one thousand nine hundred and four.

I began work in this township immediately on the completion of the township of German, which I had not been able to complete the previous season.



The work was easy of access by way of Porcupine River which touches the southern boundary a little more than a mile from the southeast angle of the township, thus placing me in a good position to begin work at once.

This township is very level except for one large outcropping of rock near the southwest corner. On the line between the fourth and fifth concessions I do not think two points could be found which would show a difference in level of over five feet. Nearly one-half of the township is open swamp, perfectly level, with small trees from two to four inches in diameter and free from underbrush.

With the exception of the rocky hill mentioned the township is almost perfectly level and nearly all swamp. The surface is covered with moss and vegetable mould, while the sub-soil is mostly hard clay though pockets of sand occur. That part covered with open swamp and comprising about one-half of the area would be unfit for agriculture. It has at some time been fire swept leaving only the hard clay subsoil on which moss has formed and which supports a growth of small scattering trees. The other half of the township could be drained but even then could not be called good agricultural land except less than ten per cent. of the total area which is slightly higher than the surrounding land.

About fifty per cent. of the township is covered with a heavy growth of spruce with some balsam and a small amount of poplar and white birch. The spruce comprises ninety per cent. of the whole amount and is of good quality. The remaining half of the township is sparsely covered with small spruce and tamarac. The small tamarac are alive and are the only trees of this kind I saw living in the northern area.

Beyond the Porcupine River and one of its tributaries which touch the south boundary very little water exists in the township. A very small creek runs southerly through the central part of the township but this is dry at times.

There is only one outcrop of rock and that is of the Huronian formation. No traces of economic minerals were found.

Iron posts one and seven-eighth inches in diameter are planted at each of the angles of this township marked with the names of the townships facing the proper angles.

Iron posts one and one-quarter inches in diameter are planted on the south boundary at the intersection thereof with the side line between lots six and seven, and similar posts are planted on the front of the fourth concession at its intersection with the east and west boundaries, and also with the side line between lots six and seven, and also at the intersection of the side line, between lots six and seven with the north boundary.

Moose, bear and deer are found but are not plentiful. Beaver have been plentiful but the abandoned beaver farms show that they have suffered depletion lately. Partridge are numerous.

The magnetic variation in this township was constant at eight degrees and forty-five minutes west.

I enclose a general plan, timber plan and field notes.

I have the honor to be, Sir,

Your obedient servant,

(Sgd.) W. H. Fairchild.

Ontario Land Surveyor.

To the Honorable, the Commissioner of Crown Lands, Toronto.

*(Appendix No. 24.)*

## TOWNSHIP OF TULLY, DISTRICT OF ALGOMA.

Orillia, Ontario, October 22nd, 1904.

SIR,—In compliance with your instructions bearing date of May sixteenth, A.D., nineteen hundred and four, for the survey of the townships of Tully and Prosser in the District of Algoma, we proceeded as soon as preliminary arrangements could be completed to carry out the work outlined therein. Leaving the flag station of Metagama on the line of the Canadian Pacific Railway in canoes, on the third day of June, we ascended the waters of the Spanish to the height of land and thence descended the waters of the Metagama, passing the old Hudson Bay Post of that name, to a point a few miles below the base line run by Ontario Land Surveyor Niven in eighteen hundred and ninety eight where the portage trails cross the township of Tisdale to Porcupine Lake. Traversing these portages and passing through Porcupine Lake we descended the shallow creek of the same name into Night Hawk Lake, and thence down Frederick House River and Lake to the foot of the westerly bay extending into concession five of the township of Evelyn. As no further use could be made of our canoes they were cached at the latter place and the whole outfit of supplies and other impedimenta packed across the township of Evelyn to its northwesterly corner, this being the starting point for our work. This route after leaving the Matagama, as may be seen by the map, is long and circuitous, but owing to the nature of the country was deemed to be the best that could be obtained. With a portion of our supplies we reached the starting point of survey operations on the twenty-eighth day of June and at once commenced work.

After obtaining an astronomical observation we commenced the survey of the south boundary of the township of Tully from the one hundred and thirty-eighth mile post on the District Boundary, and thereafter developed the work of subdivision in the usual manner, keeping in mind the details given in the instructions above referred to. The side lines were run due north astronomically and the concession lines due east and west astronomically dividing the township into blocks of one square mile or thereabouts, these blocks being marked for further subdivision into lots of three hundred and twenty acres or thereabouts by posts planted on the south boundary and the several concession lines at the front of each concession. No posts were planted on the north boundary except at the intersection of the side lines, each post was marked with the lot numbers and concession numbers to which it had reference in keeping with the system of single fronted concessions; the posts planted at the intersection of concession lines with side lines being marked on the east and west sides with the numbers of the lots and on the north and south sides with the respective concession numbers, while the posts planted on the concession lines midway between the side lines were marked on the east and west sides with the lot numbers and with the concession number on the north side only. The lots were numbered from one to twelve beginning at the east and the concessions from one to six beginning at the south.

Owing to the difficulty of obtaining satisfactory points at this place on the district line, the line between concessions three and four was run due east astronomically from the chained point on side line two and three and was found to intersect the district line nine links to the north of the iron post planted by Ontario Land Surveyor Niven to mark the one hundred and forty-

first mile. A wooden post was accordingly planted at this intersection and marked with the concession numbers on the north and south sides and with the lot number on the west, the iron post being also inadvertently marked in a similar manner by our chainman. The iron post at the southeast angle of the township and marked CXXXVIII M., was marked with the name Tully on the north-west side, Con. I. on the north side and I. on the west side. The iron post planted by Ontario Land Surveyor Patten at the north-east angle of the township was marked on the south-west side with the name Tully, on the south side Con. VI., and on the west side I. Three iron posts one and one-quarter inches in diameter and three feet long, forged at the top and pointed at the bottom were planted alongside the wooden posts on the side line between lots six and seven; one at its intersection with the south boundary being marked on the east side VI., on the west side VII., and on the north side Con. I.; one at the intersection with the line between concessions three and four being marked on the east side VI., on the west side VII., on the south side Con. III., and on the north side Con. IV.; and one at the north boundary being marked on the east side VI., on the west side VII., and on the south side Con. VI. An iron post of similar dimensions was also planted at the intersection of the line between concessions three and four with the west boundary being marked on the east side XII., on the west side I., on the north side Con. IV., and on the south side Con. III. Iron posts one and seven-eighths inches in diameter were planted, one at the southwest angle of the township marked on the northeast side with the name Tully, on the north-west side with the name Prosser, on the north side Con. I. on the east side XII., and on the west side I.; and one at the northwest angle marked on the south-east side with the name Tully, on the south-west side with the name Prosser, on the east side XII. on the west side I. and on the south side Con. VI. Bearing trees were in all cases marked and their positions noted with regard to the several posts.

This township might be shortly described as comprising thirty-six square miles of clay flats, the undulations being so gentle and of so small altitude as to give the impression to a person travelling over it of an almost perfect level. This impression would of course be corrected by observing the streams which flow regularly to the north and northwest, showing the country to dip in that direction. The soil throughout is a heavy greyish clay burning to light red in the fire, and although it usually has but a slight covering of mould, there was found to be in some locations a deposit of from one to three feet of black vegetable mould. It is also free from stone. A notable feature of this part of the country is the presence of considerable areas of open peat swamp. These appear to be almost perfectly level. The surface presenting the smooth even appearance of a lawn, mosses of various colors taking the place of grass. In such places there is usually found to be a deposit of from one to three feet of peat overlying firm clay soil, the timber being composed of spruce and tamarac thinly dispersed and rarely exceeding four or five inches in diameter. That these swamps are capable of being economically drained would appear from the fact that they do not occupy the lowest parts as it was observed that on descending a gentle slope after passing through such a swamp the advantage of ample drainage was at once apparent from the firm clay soil and large timber. With reference to agricultural operations the chief need would be thorough drainage, and this being carried out would in our opinion render more than ninety per cent. of the entire area of the township valuable to the farmer and stock raiser.

Two main creeks cross the township flowing from south-east to north-west, the first taking its rise in the small lake at the southeast corner and passing



across the north boundary at the line between lots eight and nine; the second entering across the south boundary on lot nine and passing across the west boundary in concession five. The volume of water found passing through these creeks during the present season was extremely small in comparison to the capacity of their channels, the water being held throughout their entire courses by beaver dams placed at short intervals. Owing to the manner in which these streams and their smaller branches traverse the township the drainage of the entire area becomes a simple matter, the creek channels affording ample carrying capacity for main drains leading into them, and the comparatively level nature of the country permitting these to be constructed at a minimum of expense. The beds of the creeks lie well below the level of the country and ample fall will be obtained to afford effectual drainage.

The water in the streams is generally clear, excepting in the northerly part of the creeks above mentioned where it is somewhat muddy; and is excellent for drinking. Only two small lakes were encountered within the boundaries of this township, and these from their small area and shallowness might more properly be called ponds.

Among the trees composing the forest growth the spruce predominates, being largely in excess of any other species. Tamarac has also formed an important part but the trees of this species are now nearly all dead, due doubtless to the same cause that has caused a similar result in the older parts of the province. Poplar, balm of gilead and white birch occur on the higher lands and in relative importance stand in the order named. White cedar was met with rarely in tree form and then scrubby and valueless. It occurs frequently however as a tangled undergrowth in the swamps. Alder, willow, dog maple and hazel all contribute in various localities to form a thick undergrowth. Although large examples of spruce and poplar are met with, the average diameter of the trees is small, probably not more than eight or nine inches but the thick growth would yield a large quantity of pulp wood per acre, and of the kinds most valuable for that purpose.

In the open meadows along the streams grasses grew in rank luxuriance, the variety commonly known as blue joint being most conspicuous.

Berries were found in great variety and abundance, raspberry bushes taking possession of any open spot in the woods caused by windfall or dead trees, and putting forth an abundant crop; while wild strawberries were found to be ripe on July sixteenth and lacked none of the delicacy or flavor belonging to their southern congeners. A peculiar berry which we have not observed further south was found in the open peat swamp and known to the Indians as the "flagatoma." It resembles in appearance the yellow garden raspberry and in flavor suggests the cranberry or the grape being slightly acid and pleasant to the taste. A single berry grows upon each productive plant, the latter bearing two five lobed leaves and rising about six inches above the moss. The berries which are partially enclosed in four or five bracts until ripe are first white, then scarlet, turning yellow or salmon colored on maturity. Both low and high bush cranberries were plentiful. Two varieties of the red currant were observed, one commonly known as the skunk berry, and the smooth well flavored variety common to our more southern gardens, the latter growing to great perfection. There were two varieties also of the black currant, one being hairy and of slightly acid flavor, and the other large, smooth and possessing to the full the strong flavor so well known in our garden black currants.

Among the wild flowers common to more southern localities were noticed the brier, lily of the valley, golden rod, pink and yellow orchids, marsh marigold and blue flag.



Of the large game the moose is fairly abundant and also the red deer, while occasional signs of the presence of the caribou were observed. Not many signs were seen of the bear for which we had no regret as we could ill afford to present him with the freedom of our caches, but numbers we understand are taken here by the Indians. In fur bearing animals the beaver is chiefly in evidence and the dams built by these industrious workers are very numerous along the creeks giving them an exaggerated importance in the apparent volume of water. Mink, Otter, and Martin were also met with. The hare frequents some localities and the red squirrel everywhere. As there are no considerable lake areas within the boundaries of the township and only small streams the occurrence of fish was not to be expected, the small grass pike being the only kind observed.

Although much pessimism will doubtless be indulged in regarding the economical possibilities and future prospects of the region of which the above township forms so small a part especially by persons who do not make a due allowance for the difference of conditions that obtain between a section of the country settled and cleared, or partially so, and one where the hand of man has yet to be stretched forth to subdue and reclaim from a state of nature; we are of the firm opinion that when the usual pioneer operations have been completed it will prove a valuable addition to the agricultural wealth of the Province and be found fully as productive as the older sections.

We have the honor to be, sir,

Your obedient servants,

(Sgd.) Cavana & Watson,

Ontario Land Surveyors.

To the Honorable, the Commissioner of Crown Lands, Toronto.

(Appendix No. 25.)

TOWNSHIP OF PROSSER, DISTRICT OF ALGOMA.

Orillia, Ontario, October 22nd, 1904.

SIR,—In furtherance of your instructions given under date of May sixteenth, nineteen hundred and four, we proceeded to carry out the survey of the township of Prosser in the District of Algoma, the route taken to reach the site of the work being described in our report of the survey of the township of Tully, lying immediately to the east. Attention was first given to the survey of the south boundary and using this as a base, the survey was carried out in the usual manner, the several concession lines being an extension on the concession lines of the township of Tully leaves no jogs on the boundary between the two townships. Lots of forty chains in width were laid out on the south boundary till the line run by Ontario Land Surveyor Patten forming the west boundary was reached, and from the points so located between lots two and three; four and five; six and seven; eight and nine; and ten and eleven; side lines were run on a course due north astronomically. The concession lines were run due east and west astronomically, thus dividing the township into blocks of one square mile, its further sub-division into lots of three hundred and twenty acres being provided for by posts planted on the concession lines at the front of each concession, wooden posts of the most durable material obtainable were planted at all lot corners on the boundaries and several conces-

sion lines with the exception of the north boundary where posts were planted only at the intersections of side lines surveyed. The starting point of the line between lots seven and eight, in concession five, falling in a small lake or beaver pond was marked by squaring and properly marking a balsam tree on the line at the northerly shore of the pond. The posts planted for the township of Tully upon the dividing boundary between the two townships were marked I. on the west side and serve for both townships. All posts were marked with the proper lot number on the east and west sides and those planted at the lines between lots two, three; four, five; six, seven; eight, nine; and ten, eleven on the several concession lines were also marked with the numbers of the concessions on the north and south sides; while those planted between lots one, two; three, four; five, six; seven, eight; nine, ten; and eleven, twelve were marked with the concession number on the north side only. Three iron posts one and seven-eighths inches in diameter three feet long, forged at the top and pointed at the bottom were planted alongside the wooden posts, one at the south-east angle of the township marked on the northeast side with the name Tully, on the northwest side with the name Prosser, on the north side Con. I., on the east side XII., and on the west side I.; one at the north-east angle marked on the south-east side with the name Tully, on the south-west side with the name Prosser, on the south side Con. VI., on the east side XII., and on the west side I.; and one at the south-west angle marked on the northeast side with the name Prosser, on the north side Con. I., and on the east side XII. Iron posts one and one-quarter inches in diameter and otherwise similar to the above were planted on the line between concessions three and four, one at the intersection of the east boundary, one at the intersection with the line between lots six and seven and one at the west boundary; and upon the line between lots six and seven a similar iron post was planted at its intersection with the south boundary and another at the north boundary, all marked with concession and lot numbers similarly to the wooden posts at the respective points.

This township has a generally level or gently undulating character, the only elevation affording an extensive view being the rocky hill situate on lot eight in the second concession which rises to an altitude of about one hundred and fifty feet. The soil throughout is heavy clay, in places covered by a shallow deposit of vegetable mould, or in the level open, undrained swamps by one to three feet of peat. On lots eight and nine in concession four and five the soil is in places somewhat lighter owing to an admixture of sand. Almost the entire area would be available for agricultural purposes, the few rock outcrops probably not covering in the aggregate an area of more than three hundred acres. For successful cultivation drainage would be necessary over the greater part but would offer no difficulties in the way of outlet. The drainage is through small creeks flowing to the north and west with numerous dams and small beaver ponds along their course. The water in these streams is usually clear and the current good. No lakes or streams of a navigable character were met with.

The timber growth is chiefly spruce and tamarac, the latter mostly dead, with poplar, white birch, balm of gilead and balsam on the higher lands. In the latter positions there is usually a thick undergrowth of alder and occasionally of hazel or moosewood. A few scattered white pine were observed on the rocky rise on lot twelve, concession four, and five, but in no other locality. The timber here would be chiefly valuable for pulpwood. Considerable areas of windfall occur in the westerly part, one especially notable extending from the west boundary in concession four in a northeasterly direction across the township, almost the entire forest growth having been laid prostrate before a southwesterly wind.

Small fruits such as red and black currants, raspberries, cranberries and many other varieties of berries peculiar to the region were found in profusion.

The rocks met with are apparently of igneous origin and consist of traps and breccias with occasional thin seams of quartz, but as far as could be observed carry no minerals of economic value.

Among fur bearing animals the beaver is of chief importance being fairly numerous and making full use of the small streams. Marten, Otter, Mink and Muskrat also occur in fewer numbers. In the larger game signs of moose, red deer, caribou and bear were observed but are probably not so plentiful as in some of the districts further to the south.

We have the honor to be, sir,

Your obedient servants,

(Sgd.) Cavana & Watson.

Ontario Land Surveyors.

To the Honorable, the Commissioner of Crown Lands, Toronto.

(Appendix No. 26).

TOWNSHIP OF LITTLE, DISTRICT OF NIPISSING.

Peterborough, Ontario, November 16th, 1904.

SIR,—I have the honor to submit the following report on the survey of the township of Little, on the Frederick House River, in the District of Nipissing, performed under instructions from your Department dated May sixteenth, A.D., nineteen hundred and four.

I commenced the survey as instructed at the south-east angle of the township by measuring westerly along the south boundary planting the posts at every forty chains to form the front of the first concession, my chaining on this line agreeing with that of Mr. Patten's.

Returning to the south-east angle of the township and having taken the necessary observations etc. I ran the east boundary due north astronomically six miles giving the concessions on this line a uniform depth of eighty chains, all the concession lines I ran west astronomically from the east boundary, and the side lines north astronomically from the south boundary; the north boundary, as instructed I ran east astronomically from the post planted by Ontario Land Surveyor A. Niven to mark the one hundred and forty-fourth mile on the boundary line between the districts of Nipissing and Algoma.

On the iron post planted at the southeast angle of the township, I marked Little on the north-west side, Con. I. on the north side, Lot I. on the west side. On the iron post planted at the southwest angle of the township I marked Little on the north-east side, Con. I. on the north side, it had already been marked Lot 12 on the east side. On Ontario Land Surveyor Niven's one hundred and forty-fourth mile post at the north-west angle of the township I marked Little on the south-east side, Con. VI. on the south side, Lot 12 on the east side. At the northeast angle of the township I planted an iron post one and seven-eighths inches in diameter, three feet long marked Little on the south-west side, Con. VI. on the south side and lot I on the west side. Iron posts one and one-quarter inches in diameter and three feet long, were planted on the line between concessions three and four, one at the intersection with the east boundary marked on the north side Con. IV. on the



south side Con. III., on the west side lot I.; one at the intersection with the west boundary of the same concession line marked Con. IV. on the north side, Con. III. on the south side, Lot 12 on the east side.

The iron posts at the intersection of side line six and seven with the south boundary planted by Mr. Patten I marked Con. I., on the north side, it had already been marked lot six on the east side and lot seven on the west side. An iron post of the same dimensions was also planted at the intersection of concession line three and four with side line six and seven marked Con. IV., on the north side, Con. III., on the south side, Lot six on the east side, Lot seven on the west side, also one at the intersection of side line six and seven with the north boundary marked Con. VI. on the south side, lot six on the east side, lot seven on the west side.

Regarding the general character of the township it may be described as a generally level or gently undulating country, timbered with spruce, dead and decaying tamarac, poplar and white birch with alder and willow underbrush and considerable windfall. The average size of this timber is from two to ten inches with a very few spruce and poplar running up to eighteen inches. A few small areas aggregating about ten per cent. of the total, lying in the south-westerly part of the township are covered with jack pine and white birch from two to ten inches in diameter. On these areas the soil is sandy and stony with many drift boulders.

About thirty per cent. of the township might be called swampy, but as these swamps have a considerable elevation above the Frederick House River and are traversed by numerous creeks with a good fall, they are very easily drained.

The soil in the swamps is a rich black muck from eight to ten inches in depth with clay subsoil and will be found when drained as seen in some of the eastern sections of Manitoba to be land of the very first quality.

On the uplands which comprise about fifty per cent. of the total area, the soil is a rich black loam from eight to ten inches in depth with clay subsoil and entirely free from stone.

Only a few very small outcroppings of rock (Huronian) were met with and no indications of mineral were noticed throughout the township, fully eighty per cent of which I would consider suitable for settlement.

The Frederick House River which enters the township from the east in concession two and flows in a north-westerly direction, is a muddy sluggish stream with an average width of six or seven chains and depth of from four to twelve feet with banks from two to five feet and vegetation as a rule to the waters edge. No falls or rapids occurring on its course through the township. There are a few small lakes in the westerly portions of the township some of which are without inlet or outlet being fed by springs, all contain good clear water. The magnetic variation I found fairly constant at eight degrees and thirty minutes west.

Frequent observations for azimuth were taken during the progress of the work. I would consider the country favorable for the growth of either roots or cereals, the weather during the summer being very fine with the exception of a slight frost in the latter part of August, such as might be experienced in any of the unsettled portions of the Province.

Wild fruit, such as raspberries, strawberries and currants were very plentiful.

Fish of the usual kind chiefly pickerel were taken in the rivers and lakes.

Moose and partridge are numerous, but there are no red deer or wolves in this locality, and with the exception of a few otter, no fur bearing animals. I made a careful traverse of the Frederick House River, and Lakes.



I beg to submit herewith plans, field notes etc., all of which I trust will be found satisfactory.

I have the honor to be, sir,

Your obedient servant,

(Sgd.) J. W. Fitzgerald,

Ontario Land Surveyor.

To the Honorable, the Commissioner of Crown Lands, Toronto.

(Appendix No. 27).

TOWNSHIP OF MANN, DISTRICT OF NIPISSING.

Peterborough, Ontario, November 16th, 1904.

SIR,—The instructions appointing me to survey the township of Little dated May sixteenth, A.D., nineteen hundred and four, also authorized me to survey the township of Mann which lies immediately north of it.

I commenced the survey at the south-east angle of the township by measuring westerly along the south boundary giving the lots a uniform width of forty chains, with the exception of lot twelve, where, owing to the convergence of meridians a deficiency occurs.

All the concession lines I ran east astronomically from the west boundary and the side lines north astronomically from the south boundary. The east boundary of this township, being a production of the east boundary of the township of Little, I ran north astronomically to Ontario Land Surveyor W. Galbraith's base line which it intersects one chain and forty eight links west of his sixth mile posts, or about sixteen links east of the theoretic point.

On the iron post planted at the southeast angle of the township I marked the word Mann on the north-west side, Con. I. on the north side, Lot I. I had already marked on the west side. On the iron post at the southwest angle of the township I marked the word Mann on the north-east side, Con. I on the north side, I had already marked lot 12 on the east side. On the iron post at the northwest angle of the township, planted by Ontario Land Surveyor Niven to mark the one hundred and fiftieth mile on the district boundary, I marked the word Mann on the south-east side, Con. VI. on the south side, Lot 12 on the east side. At the north-east angle of the township I planted an iron post one and seven-eighths inches in diameter and three feet long, marked Mann on the southwest side, Con. VI on the south side, Lot I. on the west side. On the iron post planted by Ontario Land Surveyor Niven to mark the one hundred and forty-seventh mile on the District line, this point being the intersection of concession line three and four with that line, I marked Con. IV. on the north side, Con. III. on the south side, Lot 12 on the east side. An iron post one and one-quarter inches in diameter and three feet long was planted on the east boundary at its intersection with concession line three and four, marked Con. IV. on the north side, Con. III. on the south side, Lot I. on the west side. Iron posts one and one-quarter inches in diameter and three feet long were also planted, one at the intersection of side line six and seven with the south boundary, marked Con. I. on the north side, lot six on the east side, lot seven on the west side, one at the intersection of concession line three and four with side line six and seven, marked Con. IV., on the north side, Con. III., on the south side, lot six on

the east side, lot seven on the west side and one at the intersection of side line six and seven with the north boundary; Marked Con. VI., on the south side, lot six on the east side, lot seven on the west side.

With regard to the general aspect of this township it may be described as a generally level or gently undulating country, timbered with spruce, dead and decaying tamarac, poplar and some scattered white birch, balsam and jack pine, with alder and willow underbrush, and considerable windfall, the average size of this timber ranges from two to ten inches in diameter, with scattered spruce and poplar up to fourteen and sixteen inches.

About twenty-five per cent. of this township is swampy, the level of these swamps, however, being considerably above that of the Frederick House River, they are readily drained, and as the soil is a rich black muck from eight to ten inches in depth with clay subsoil will be found good arable land

On the more elevated portions of the township the soil is a rich black loam from eight to ten inches in depth free from stone with clay subsoil. Only a few very limited outcroppings of rock (Huronian) were noticed. I would consider fully ninety per cent of the township will eventually be found suitable for cultivation. The Frederick House River, which enters the township on lot eight concession one and flows in an north-westerly and northerly direction crossing the north boundary of lot eleven ranges in width from two to fifteen chains with an average width of six or seven chains, with the exception of that part of the river on concessions five and six where the current is fairly strong and the shores rocky, it is muddy and sluggish, with a depth of from four to ten feet and banks of from two to five feet.

At "First Falls" which occur on lots eight and nine concession one the river has a drop of forty-two feet eight inches in a distance of three chains; these falls are divided and broken by eleven islets. The second fall occurs on lot twelve, concession four, here the river has a drop of five feet five inches in a distance of about ten feet, this fall taken with the rapids which occur on lot twelve concession five and are about thirty chains in length, would make a total drop of about thirty feet in a distance of fifty-six chains. Both of these falls are capable of yielding considerable energy. I made a careful survey of each of them the results of which will be found in the traverse notes.

Pickerel Lake on lots nine, ten and eleven, concession four, is the only one worthy of note in the township. It is a shallow lake with low shores and covers about two hundred and twenty acres the waters of the lake are clear and teem with pickerel.

The magnetic variation in this township I found very erratic, averaging about eight degrees and fifteen minutes west. No minerals, however could be found.

Wild fruit such as raspberries, strawberries and currants were abundant. Moose and partridge very numerous.

Accompanying this report are plans, field notes and account, which I hope will be found complete and satisfactory.

I have the honor to be, sir,

Your obedient servant,  
(Sgd.) J. W. Fitzgerald,

Ontario Land Surveyor.

To the Honorable, the Commissioner of Crown Lands, Toronto.

(Appendix No. 28.)

TOWNSHIP OF DUNDONALD, DISTRICT OF NIPISSING..

Woodstock, Ontario, December 1st, 1904.

SIR,—I have the honor to report that in accordance with instructions received from your Department and dated June twenty-sixth, nineteen hundred and three, I have completed the survey of the township of Dundonald, in the District of Nipissing.

Probably three fourths of the land in this township are suitable for cultivation, consisting of a dry clay soil thickly covered with timber and a heavy undergrowth. There is, however a considerable part of this good land that is more or less swampy, but it admits of comparatively easy drainage and will, doubtless, ultimately become good farming land. The only part which is wholly unsuitable for cultivation is a ridge of rocky hills crossing the township from the south boundary of lot five, in the first concession, to the eastern boundary of concession three. There is, besides, a tract of about five square miles in the northeasterly part of the township consisting largely of coarse sand containing many drift boulders. Little of this is fit for cultivation, but on it is growing some valuable red pine.

The whole township is thickly timbered, principally with spruce less than nine inches in diameter, but there are many large spruce up to two feet and over in diameter besides a considerable quantity of large poplar and some white birch of good size. The most valuable timber, however, is the pine. A strip of heavy timber about a mile wide and four miles long runs across the westerly part of the township, as shown on the timber map accompanying this report. This strip, while covered principally with large spruce and poplar along with dead tamarac, contains much excellent white pine, from one to three feet in diameter. At the southern end of this strip along the shore of Frederick House Lake there is a small quantity of red pine. There is, besides this, much good red pine in the easterly part of the township, as shown on the timber map.

I found no sign of any economic mineral except a very strong variation of the compass along the ridge of rocks already mentioned. Near this ridge, between lots two and three, concession one, the compass varied from six degrees west to thirty-five degrees east in the course of less than half a mile. Native rock, apparently some kind of diorite, crops out along the shore of Frederick House Lake in concessions three, four and five, and on the small island in that lake.

As shown on the map there are many small lakes in the township. All of these contain beautifully clear water, a great contrast to that in Frederick House Lake which is always very muddy. These lakes contain generally an abundance of large pike.

Partridge are very abundant, and fresh tracks of moose and bear are seen all over the township. Fresh tracks of wolves were also seen on the shore of one of the small lakes.

Wild fruit in great variety is abundant and was observed to be well matured. There is no cultivated land in this township, but across the lake in the township of Evelyn, as mentioned last year in my report of that township, good potatoes are grown by an Indian who has a small clearing. These I found well matured, in spite of some early frosts which occurred in August.



Herewith I send you a copy of my field notes and a plan and timber map of the township.

I have the honor to be, sir,

Your obedient servant,

(Sgd.) A. D. Griffin,

Ontario Land Surveyor.

To the Honorable, the Commissioner of Crown Lands, Toronto.

(*Appendix No. 29.*)

TOWNSHIP OF McCART, DISTRICT OF NIPISSING.

Woodstock, Ontario, December 12th, 1904.

SIR,—In accordance with instructions received from your Department and dated May sixteenth, nineteen hundred and four, I have completed the survey of the township of McCart, in the District of Nipissing.

About three-fourths of the land in this township are suitable for cultivation, consisting of level or slightly rolling clay land, mostly dry, needing little or no drainage. Some of this good land is more or less swampy but can be drained without great difficulty as there are throughout the township numerous creeks with good fall and high banks. Of the one-fourth that I consider useless for agricultural purposes about one-half consists of muskeg covered with moss, peat and a few small scattered spruce from one to four inches in diameter. About two square miles consists of an outcrop of native rock as shown on the plan accompanying this report. In the south-east corner of the township there is about a square mile of coarse sand containing many drift boulders.

There are in this township four lakes covering from fifteen to sixty-five acres each, besides about a mile and a half of the Frederick House River covering about 50 acres, in all less than three hundred acres of water. There is a large creek ranging from two to four rods in width, crossing the township from the lake on the east boundary of concession two to the Frederick House River on the west, with a branch from the lake in lot nine of the second concession. This creek is from two to six feet deep and is navigable for canoes from the latter lake to the Frederick House River. With a little cutting out of fallen trees it could be made navigable clear across the township.

The timber is mostly spruce, much of it large and valuable, many of the trees being as much as two feet in diameter. There is also on the drier land of the township much large poplar and white birch, besides considerable balsam and tamarac, the last all dead or nearly so. Near the middle of concession one there are a few large white pine. The sandy land in the south-east of the township is covered with small red pine mostly less than six inches in diameter, though there are in some parts of it a few trees reaching eighteen inches in diameter.

There are no indications of any economic minerals. The outcrop of native rock, mentioned above, reaches in places elevations of from fifty to seventy-five feet, and appears to be some kind of diorite.

There are indications in the township of many moose and some caribou. Of fur bearing animals there are a considerable number, principally beaver and muskrat.



Wild fruit in great variety, currants, raspberries, gooseberries, blueberries and cranberries, are very abundant, and all well matured.

Accompanying this report I send you a plan and a timber map of the township and a copy of my field notes.

I have the honor to be, sir,

Your obedient servant,

(Sgd.) A. D. Griffin,

Ontario Land Surveyor.

To the Honorable, the Commissioner of Crown Lands, Toronto.

(Appendix No. 30.)

TOWNSHIP OF MATHESON, DISTRICT OF NIPISSING.

Simcoe, Ontario, December 29th, 1904.

SIR,—I beg leave to report on the survey of the township of Matheson in accordance with the instructions dated June the thirtieth A.D., nineteen hundred and three, for the survey of the townships of Matheson and German.

I proceeded to Sudbury on July the twenty-first, nineteen hundred and three, where I procured my supplies and the majority of my men. I was detained at this point owing to the delay in the transmission of my canoes which had been shipped from Peterborough some three weeks before. At Matagama Station I was again delayed for two days owing to my supplies having been delayed in transmission from Sudbury to Matagama.

I proceeded from Matagama along the route recommended to me in the instructions, via the east branch of the Spanish River and the Metagami River. I found this a splendid route as far as the point where I branched off from the Matagami River. The portages however, between the Matagami River and Porcupine Lake were a veritable sea of mud, owing to heavy rains previous to this time.

On my arrival on the ground I immediately proceeded to subdivide the township in the usual way. Owing to rainy weather and cloudy skies great difficulty was experienced in taking observations and some valuable time lost. I found the magnetic variation to be almost constant at about eight degrees and forty-five minutes west.

Iron posts one and seven-eighth inches in diameter are planted at each of the angles of this township, marked with the names of the townships facing the proper angles.

Iron posts one and one-quarter inches in diameter are planted on the south boundary at the intersection thereof with the side line between lots six and seven, and similar posts are planted on the front of the fourth concession at its intersection with the east and west boundaries and also with the side line between lots six and seven.

The township is very level and swampy except in the vicinity of the Porcupine and Frederick House Rivers and Night Hawk Lake where the ground is drier and rolling enough to permit of natural drainage.

Where the ground is undulating the soil is clay loam with clay subsoil and would make excellent agricultural lands. The level ground which comprises the greater portion of the township has a very hard clay bottom covered with moss and vegetable mould. While it could be drained I do not consider

that it would be good farming land, owing to the extreme hardness and viscous qualities of the clay.

The township is covered with a heavy growth of spruce and balsam with some poplar and white birch. The spruce, which predominates, is tall straight and sound. Large areas of dead tamarac exist. The dead trees are now falling, and this combined with the dense growth of alders makes travel through the township very difficult.

The township is well watered by the Porcupine River, Night Hawk Lake and Frederick House River, and also a creek running from the northerly central part of the township southerly to Night Hawk Lake. The Porcupine River is from one to two chains in width and varies greatly in the different seasons, the volume of water in the dry summer months being very small. Night Hawk Lake is a large body of water but is very shallow. The bottom is clay and in consequence of the high winds prevailing in this district the water is very turbid. Frederick House River, between Night Hawk Lake and Frederick House Lake is from six to fifteen chains in width and partakes of the nature of a long narrow lake. There is no perceptible current and the waters are the same as those of Night Hawk Lake. The land is generally from six to ten feet higher than the water in the streams, thereby permitting of easy drainage.

Large game is not very plentiful, though moose, deer and bear are found. Pike and pickerel are found in the lakes and rivers.

Accompanying this report are a general plan, a timber plan and field notes.

I have the honor to be, sir,

Your obedient servant,

(Sgd.) W. H. Fairchild.

Ontario Land Surveyor.

To the Honorable, the Commissioner of Crown Lands. Toronto.

(Appendix No. 31.)

TOWNSHIP OF GERMAN, DISTRICT OF NIPISSING.

Simcoe, Ontario, December 29th, 1904.

SIR,—I beg leave to report as follows on the survey of the township of German in accordance with instructions dated the thirtieth of June A.D. nineteen hundred and three to survey the townships of Matheson and German.

The township of German lies immediately east of the township of Matheson and was easily reached from this township by Night Hawk Lake on the south and Frederick House Lake and River on the north.

The township is varied in regard to its general features. A large number of small inland waters exist, nearly all of which drain into Frederick House Lake. Part of the township is undulating, particularly that portion adjacent to the waters, and part is level and swampy.

The soil varies from stiff clay to light sand. The sandy soil for the most part is undulating and covered with an open growth of banksian pine; it occupies about one fourth of the area of the township. The clay soil in places is undulating and here is a good clay loam with clay subsoil. The level swampy parts of the township are very hard clay underlying moss and veg-

etable mould and even though drained would not be suitable for agriculture except it be for grazing purposes.

The timber is varied, spruce predominates and is of excellent quality, unsound spruce being of rare occurrence, while the trees are very tall and straight with a maximum diameter of twenty-four inches. A considerable area of jack pine exists as shown on the timber map. Poplar, white birch, balsam and dead tamarac are also found. The poplar grows to a large size but as a rule is unsound. A few scattering red pine were observed in this township, the trees as a rule being of good quality with a maximum diameter of thirty-six inches.

The township is watered by Night Hawk Lake and Frederick House Lake and river, while numerous small lakes are found in the northern and central parts. The inland waters are clear and of good depth, in contra distinction to the waters of the large lakes which are dirty and shallow.

The magnetic variation in this township was not constant, varying from eight degrees west to ten degrees west.

Iron posts one and seven-eighth inches in diameter are planted at each of the angles of this township, marked with the names of the townships facing the proper angles.

Iron posts one and one-quarter inches in diameter are planted on the south boundary at the intersection thereof with the side line between lots six and seven, and similar posts are planted on the front of the fourth concession at its intersection with the east and west boundaries, and also with the side line between lots six and seven.

Large game occurs but it is not plentiful. Moose, deer and bear are found. Partridges are numerous. Pike and pickerel are found in all waters.

Accompanying this report are a general plan, a timber plan and field notes.

I have the honor to be, sir,

Your obedient servant,  
(Sgd.) W. H. Fairchild,  
Ontario Land Surveyor.

To the Honorable, the Commissioner of Crown Lands, Toronto.

(Appendix No. 32.)

TOWNSHIP OF CALVERT, DISTRICT OF NIPISSING.

Leamington, Ontario, December 24th, 1904.

SIR,—In accordance with instructions received from your Department, dated May sixteenth, A.D., nineteen hundred and four, I have made a survey of the township of Calvert, in the District of Nipissing, and have the honor to submit the following report thereon.

Having previously arranged to meet some of my men on the way, I proceeded by rail with most of my party from here on July the twelfth by way of Toronto, North Bay and Mattawa to Temiskaming Station, thence by steamer to North Temiskaming, travelling from there along the waggon road to Klocks farm on Quinze Lake, where I had arranged for supplies for the survey of the two townships being shipped, most of which I found there in store for me. On Monday July eighteenth, the party left Klocks farm with all supplies, etc., in canoes, following the regular Hudson Bay Company's



route by way of Quinze, Long, Island and Abitibi Lakes and down the Abitibi River to where the river is crossed by the north boundary of the township of Walker, arriving there in the forenoon of Monday July the twenty-sixth.

Proceeding west along this boundary the iron post planted by Ontario Land Surveyor T. J. Patten marked XVIII-M. on the west side, Walker on the south-east side and Clergue on the south-west side was found standing to mark the north-west angle of the township of Walker. From this post which also marks the south-east angle of the township of Calvert I commenced my survey as instructed, running a line due north astronomically therefrom a distance of nearly six miles from the east boundary of the township, planting posts thereon at regular intervals of eighty chains apart for the depth of the concessions. From these posts the several concession lines were run due west astronomically for the front of the concessions and posts planted on each line as directed.

The base line run by Ontario Land Surveyor T. J. Patten in nineteen hundred and three, between the twelfth and eighteenth mile posts planted thereon, forms the south boundary of the township. Along this base line from the iron post above referred to at the south-east angle, west, to the iron post marked XII-M. at the south-west angle of the township, posts were planted at regular intervals of forty chains apart to mark the front angles of the lots in the first concession. From each alternate post, which are identical with Mr. Patten's mile posts, the lot lines were run due north astronomically.

The meridian line run this year by Ontario Land Surveyor William Galbraith from Mr. Patten's twelfth mile post, to the sixth mile post planted thereon, forms the west boundary of the township. The iron post at the sixth mile marking the northwest angle, from which a line for the north boundary was run due east astronomically, to its intersection with the east boundary, where an iron post one and seven-eighth inches in diameter was planted to mark the north-east angle of the township.

Each of the iron posts at the corners of the township were marked with the names of the townships cornering thereon, the name being marked on the side facing the township. Wooden posts similarly marked were planted alongside the iron posts at the several corners.

At the intersection of the centre lines with the boundary lines, also at the intersection of the centre lines, small iron posts were planted alongside the wooden posts.

The township is comparatively level, except where traversed by small streams that have cut the land through which they flow into deep narrow ravines. Judging from the dense growth of grasses, the luxuriant matured growth of gooseberries, currants and raspberries found in the open places I would say the land is well adapted for agricultural purposes.

The soil in the east and south parts of the township is a rich clay, in places mixed with sand. In the north-west part the soil is a redish sand and gravel mixture.

The timber is of fair size, principally green, consisting of spruce, poplar, balsam, birch and cedar very dense, with some fine balm gilead in the vicinity of the streams, some large jack pine exists in the west part of the township and some sound dead tamarac was found in the swamps. A large amount of this timber is suitable for pulpwood, railroad ties and lumber.

Abitibi River, averaging in width from five to six chains enters the township on lot one in the fifth concession, flows northwest with a sluggish current and leaves the township on lot six in the sixth concession. By this river, numerous small streams, well distributed, and a few lakes the township is well watered.



Outcropping of Huronian Rock rising to a considerable height above the surrounding country was met with in some of the lots in the fourth, fifth and sixth concessions but no indications of minerals were found during the progress of the survey.

No large game was seen during the survey, but signs of bear and moose were plentiful. Partridge were frequently obtained and a few fish were caught in the river.

Observations for azimuth were frequently taken when weather would permit and the mean variation of the magnetic needle found to be nine degrees and twenty minutes west.

Accompanying this report will be found field notes of the survey, plan of the township and account.

I have the honor to be, sir,

Your obedient servant,

(Sgd.) Alex. Baird,

Ontario Land Surveyor.

To the Honourable, The Commissioner of Crown Lands, Toronto, Ontario.

(Appendix No. 33.)

TOWNSHIP OF AURORA, DISTRICT OF NIPISSING.

Leamington, Ontario, 27th December, 1904.

SIR,—As directed by instructions from your Department, dated May sixteenth, A.D. nineteen hundred and four, I proceeded with the survey of the township of Aurora, in the District of Nipissing.

It adjoins the township of Calvert on the north, which, under the same instructions was surveyed by me and recently reported upon.

On the completion of the work in Calvert the survey of this township was immediately started, from the posts marking the northeast angle of Calvert, and my instructions followed as in that township.

The south half of the township is practically of the same character as the south part of Calvert. The timber generally being of much larger growth.

The land, otherwise, level, is cut by numerous small streams into deep ravines in the vicinity of the Abitibi River, which flows almost northerly through the township. These ravines are strewn with fallen timber in all imaginable forms, making the work of survey very difficult to perform.

The soil is a rich clay and sand mixture and apparently very productive. During the time taken to perform the work that was accomplished, observations were taken when the weather would permit and the magnetic variation was found to be nine degrees west.

Owing to the unusual time taken in performing the work, on account of its difficult nature, my supply of provisions ran out although the quantity taken with me was much greater than is generally required for the survey of two townships. The lack of provisions forcing me to come out before completing the survey of this township, it being extremely difficult to get provisions to this locality.

All the lines in the first, second and third concessions, also the lines in front of these and the fourth concession were run, well opened out and blazed, and posts "properly marked" were planted to mark the front angles of the

lots in these concessions. One line was finished and another partly finished in the last named concession.

A survey of the Abitibi River through the south half of the township was made by Micrometer and Compass.

I submit herewith a copy of my field notes of the part of the township surveyed, also a tracing of the plan.

I have the honor to be, sir,

Your obedient servant,

(Sgd.) Alexander Baird,

Ontario Land Surveyor.

To the Honourable, The Commissioner of Crown Lands, Toronto, Ontario.

(Appendix No. 34.)

TOWNSHIP OF CLERGUE, DISTRICT OF NIPISSING.

Peterboro, Ontario, December 10th, 1904.

SIR,—I have the honor to present the following report on the survey of the township of Clergue, surveyed by me this year under instructions bearing date July 3rd, A.D. nineteen hundred and three.

The township was subdivided into lots of three hundred and twenty acres or thereabouts. The concession lines were run east and west astronomically and the side lines north and south astronomically.

The lines were well opened out and blazed.

A single row of posts was planted along the concession lines to mark the several angles of the lots. Those planted between lots one and two, three and four, five and six, seven and eight, nine and ten, eleven and twelve, were marked with the numbers of the lots on the east and west sides and the number of the concession on the north side thereof. Those planted at the intersection of the side lines between lots two and three, four and five, six and seven, eight and nine, ten and eleven, were marked with the numbers of the lots on the east and west sides and the numbers of the concessions on the north and south sides thereof. A single row of posts was also planted along the south boundary, properly marked, at the several angles of all the lots, and on the north boundary posts are planted at its intersection with the several side lines.

An iron post one and one-quarter inches in diameter is planted on the line between concessions three and four at its intersection with the east boundary; another at its intersection with the side line between lots six and seven; and another at its intersection with the west boundary. The iron posts referred to on the east and west boundaries are those planted by Ontario Land Surveyor, T. J. Patten, on his Meridian Lines in nineteen hundred and three.

An iron post one and one-quarter inches in diameter is also planted on the side line between lots six and seven, alongside the wooden post, at its intersection with the south boundary and another (by Mr. Patten in nineteen hundred and three, on his Base Line) at its intersection with the north boundary.

The iron post one and seven-eighths inches in diameter planted by Mr. Patten in nineteen hundred and three at the north-east angle of the township is marked "Clergue" on the south-west side, "Walker" on the south-east side, "Teefy" on the north-east side, "Calvert" on the north-west side, "Coa.

VI." on the south side "Con. I." on the north side, "XII." on the east side, "I" on the west side. Another at the south-east angle of the township is marked "Clergue" on the north-west side, "Walker" on the north-east side, "Stock" on the south-west side, "Taylor" on the south-east side, "Con. I." on the north side, "XII" on the east side, "I" on the west side. Another at the southwest angle of the township is marked "Clergue" on the northeast side, "Dundonald" on the northwest side, "Stock" on the southeast side, "German" on the southwest side, "Con. I" on the north side. "I" on the west side, "XII" on the east side. Another at the north-west angle of the township is marked "Clergue" on the south-east side, "Dundonald" on the south-west side, "Calvert" on the north-east side, "Con. VI." on the south side, "Con. I." on the north side, "XII." on the east side.

The township is generally undulating to rolling land. About thirty per cent. of the land is swampy, but with a good clay sub-soil and can be easily drained. The balance of the township being clay loam, sandy loam and sand.

The sandy loam and sand are chiefly in the north-west and westerly parts of the township. It is safe to say that nearly seventy-five per cent. of the township will prove good agricultural land.

The timber on the two concessions across the south end of the township is chiefly spruce, poplar, and balsam and varies from small to medium size. In the swampy parts nearly eighty per cent. of the timber is good spruce, poplar and balsam.

The four northerly concessions are well timbered with spruce, poplar, balsam, birch, balm of gilead and banksian pine of good quality and from medium to large size.

In the south half of the township occur ridges of rock chiefly of pyroxene, containing quartz veins, with some iron pyrites.

The township on the whole is well watered by numerous creeks which drain into the Black and Driftwood rivers. There are no lakes in the township, but the Driftwood river cuts lot number one in the first concession.

The variation of the needle is nine degrees west, but in places throughout the township the amount of change in magnetic declination is remarkable.

Moose, fur-bearing animals and partridges are plentiful.

Accompanying this report is a plan of the township, field notes and timber map.

I have the honor to be, sir,

Your obedient servant,

(Sgd.) A. J. Cameron,

Ontario Land Surveyor.

To the Honourable, The Commissioner of Crown Lands, Toronto, Ontario.

(Appendix No. 35.)

#### TOWNSHIP OF TEEFY, DISTRICT OF NIPISSING.

Peterborough, Ontario, December 28th, 1904.

SIR,—I have the honor to submit the following report on the survey of the township of Teefy, made by me this year under instructions of date May sixteenth, A.D. nineteen hundred and four. I proceeded to the work over the same route as used last year, namely, by Quinze Lake through the Province of Quebec, across Lake Abitibi down the Abitibi River to the Black River.

The township was surveyed into lots of three hundred and twenty acres



more or less. The concession lines were run due east and west astronomically and the side lines due north and south astronomically. The lots number from the east and the concessions from the south. The posts planted by Ontario Land Surveyor William Galbraith, on his meridian line (the east boundary of the township of Teefy) were adopted as the starting points of the concession lines. Those planted by Ontario Land Surveyor T. J. Patten, in nineteen hundred and three, on his base line (the south boundary of the township of Teefy) were adopted as the starting points of the side lines. A single row of posts was planted along the concession lines. Those planted between lots one and two, three and four, five and six, seven and eight, nine and ten, eleven and twelve, were marked with the proper numbers of the lots on the east and west sides and the number of the concession on the north side only.

Those planted at the intersection of the several side lines, namely, between lots two and three, four and five, six and seven, eight and nine, ten and eleven, were marked with the proper numbers of the concessions on the north and south sides.

Iron posts one and one-quarter inches diameter were planted alongside the wooden ones, on the line in front of the fourth concession. One at the intersection with the side line between lots six and seven, marked on the north side Con. IV. on the south side Con. III. on the east side VI. on the west side VII. and one at the west boundary marked Con. IV. on the north side, Con. III. on the south side, XII. on the east side. Another iron post one and one-quarter inches in diameter was planted alongside the wooden one at the intersection of side lines between lots six and seven, with the north boundary marked Con. VI. on the south side, VI. on the east side, VII. on the west side. The iron post planted by Ontario Land Surveyor William Galbraith on the east boundary at the end of his third mile was marked on the north side Con. IV. on the south side Con. III. on the west side I. The iron post on the east boundary planted by Ontario Land Surveyor William Galbraith, at the end of his sixth mile was marked on the south side Con. VI. on the west side I. on the south-west side Teefy. From this point I ran the north boundary due west to the west boundary where another iron post one and seven-eighths inches diameter has been planted, marked Teefy on the southeast side, Con. VI. on the south side, XII. on the east side. The iron posts planted by Ontario Land Surveyor T. J. Patten in nineteen hundred and three along the south boundary are marked. The one at the end of his eighteenth mile, being the southwest angle of the township, is marked Con. I. on the north side, Con. VI. on the south side, XII. on the east side, I. on the west side, Teefy on the northeast side, Calvert on the northwest side, Walker on the southeast side, Clergue on the southwest side. The one at the end of his twenty-first mile is marked VI. on the east side, VII. on the west side, Con. I. on the north side, Con. VI. on the south side. The one at the end of his twenty-fourth mile, being the southeast angle of the township, is marked Con. I. on the north side, Con. VI. on the south side, I. on the west side, XII. on the east side, Teefy on the northwest side, Walker on the southwest side, Wilkie on the southeast side. The lines are all well opened out and blazed.

The township is very rough, being broken throughout by deep ravines. The soil is chiefly clay, and about fifty per cent of the township is good for agricultural purposes, the other fifty per cent being too rough for good farming purposes. There is about five hundred acres of muskeg and only about two thousand acres of swamp in the township. Eighty per cent of the township is covered with good spruce, balsam, birch, poplar, balm of gilead and banksian pine in general from medium to large timber, twenty per cent is from small to medium size but of good quality.



The Abitibi River enters the township on lot number one in the fifth concession and runs in a southwesterly direction, entering the township of Walker in lot number seven in the sixth concession, entering the township again on lot number ten, in the first concession, it runs in a northerly direction through concessions one, two, three and four, leaving the township on lot number twelve in the fifth concession. The Abitibi River has an average width of about five chains and there is a fairly good water power on lots three and four in the third concession. There is also a good water power on lots eleven and twelve, in the fourth concession, known as Iroquois Falls. This water location has already been surveyed and numbered W D three hundred and one.

No minerals were met with. The variation of the needle is north 8 degrees thirty minutes west, but is not at all constant.

Accompanying this report is a plan of the township timber map and field notes.

I have the honor to be,

Your obedient servant,

(Sgd.) Alfred J. Cameron,

Ontario Land Surveyor.

To the Honourable, The Commissioner of Crown Lands, Toronto.

(Appendix No. 36).

TOWNSHIP OF STOCK, DISTRICT OF NIPISSING.

Alvinston, Ontario, December 30th, 1904.

SIR,—I beg to report that in obedience to instructions issued June thirtieth, A.D., nineteen hundred and three, for the survey of Stock and Taylor townships, I proceeded from New Liskeard with a party, on twenty-second July nineteen hundred and three, arriving on the return at Tomstown on October first without accomplishing much survey as explained in my report of thirtieth November, nineteen hundred and three.

This year I again made up a party leaving Alvinston May twenty-fourth, making up my party at Mattawa and North Temiskaming immediately on arrival but was prevented getting up the White River by a log boom owned by the Ottawa Lumber Company until June fifth. On June sixth, I left in canoes from Tomstown with a party of sixteen arriving with the majority of my provisions in about sixteen days and returning to Tomstown in three and a half days on twenty-sixth September, nineteen hundred and four, completing the balance of Stock and the townships of Taylor and Carr. At Tomstown, New Liskeard and Mattawa, during the following three days I paid off the party and proceeded homeward.

I found an iron post one and seven-eighths inches at the southwest angle of this township, marked "Stock" on the northeast side "German" on the northwest side.

At the northwest angle of Stock I found an iron post one and seven-eighths inches, marked on the northeast side "Clergue," on the southeast side "Stock"; on the southwest side "German," and on the northwest side "Dundonald", and on the north side "VI M".

At the northeast angle of Stock there is an iron post one and seven-eighths inches marked on the northwest side "Clergue"; on the northeast side "Walker"; on the southeast side "Taylor"; on the southwest side "Stock"; "Con. I." on the north side; "lot XII." on the east side.

On the west boundary of Stock at the line between concessions three and four, there is an iron post one and one quarter inches marked "IX M" on the north side.

I planted iron posts one and one-quarter inches in diameter at the following points:

At the intersection of the south boundary and line between lots six and seven marked on the north side "Con. I." on the east side "lot VI"; on the west side "lot VII."

At the intersection of the line between concessions three and four with line between lots six and seven, marked on the north side "Con. IV"; on the south side "Con. III"; on the east side "lot VI."; on the west side "lot VII."

The township of Stock consists of wooded swamp generally with some low ridges. In the sixth concession there is some higher land. There is also a considerable area of muskeg. Considerable drainage will be necessary to render this township fit for agricultural pursuits. I am of opinion that when the land becomes drained the soil in this township will be good land.

The timber consists generally of spruce with dead tamarac, balsam, birch, poplar and a few balm of gilead, the sizes running generally from six to ten inches in diameter, though some poplar and birch reach as high as twenty-two inches. The timber is suitable for pulpwood and for railway ties.

The township is watered through the centre and west by the North Driftwood Creek, a small creek flowing south and east into Moose Lake in the township of Bond and on the east by Driftwood River, a stream about one chain and forty links wide with slow current. This in the sixth concession is full of driftwood impeding travel and from the shifting nature of the log jams require new portages constantly.

There is no exposure of rock in this township and the soil where dry is clay with a sufficient admixture of sand to make it easily workable.

Owing to the Base Line south of Stock being unrun, and, as the base line between Taylor and Carr had not been run as well, we proceeded to start from the west side of Stock to survey as suggested by the Director of Surveys and began to lay out regular lots forty chains in width. The field notes are however, reversed to read from east to west as per instructions.

The lines have been well opened out and blazed and particular care has been taken regarding the planting and marking of durable posts.

The whole country in this locality is covered by a heavy undergrowth generally of alders and hazel. In parts small fruits, such as strawberries, blackberries, raspberries, black and red currants, bear berries, goose-berries and marsh cranberries, are abundant.

The game consists of partridges, duck, marten, mink, otter, bear and a few moose.

The game is more plentiful in Stock than east along the general canoe route.

The flow of streams is generally slow.

Pike, pickerel and white fish are to be caught in the Driftwood River, but must be caught with nets.

I submit herewith plans and field notes of Stock.

I have the honor to be, sir,

Your obedient servant,

(Signed) A. S. Code,

Ontario Land Surveyor.

To the Honourable, The Commissioner of Crown Lands, Toronto, Ontario.

(Appendix No. 37.)

TOWNSHIP OF TAYLOR, DISTRICT OF NIPISSING.

Alvinston, Ontario, December 30th, 1904.

SIR,—I beg to report that in obedience to your instructions issued June thirtieth, A.D. nineteen hundred and three, for the survey of Stock and Taylor townships, I proceeded from Tomstown on June sixth, nineteen hundred and four, with a party of sixteen men made up from Mattawa and North Temiskaming, and, after canoeing and portaging for sixteen days arrived in Taylor with the greater part of our provisions and proceeded as per instructions to lay out from the east boundary lots forty chains in width. After completing the survey of Taylor, the unfinished portion of Stock, and the township of Carr, we proceeded homeward; arriving in three and a half days at Tomstown on the twenty-sixth of September; I paid off the party and proceeded homeward.

The township of Taylor is a fine undulating township of clay land. The soil being mixed with a sufficient admixture of sand to make it easily workable. I estimate that about eighty per cent. of this land will be fit for agriculture as soon as cleared, and I think that with drainage nearly all of it can be made farming land. The land is cut with small ravines which afford excellent drainage. I found only one or two outcrops of rock (Huronian).

The timber consists of spruce, poplar, balsam, birch, dead tamarac, with a few balm of gilead and pine in one locality.

The whole township is covered with a heavy undergrowth.

Driftwood River, a stream about one chain and forty links wide drains the west side of Taylor and Black River cuts the northeast corner.

Pike, pickerel and white fish are to be caught with nets in both rivers.

Partridge and some duck are found and the fur bearing animals are mink, otter, few beaver, and moose while bears are numerous.

After taking the necessary observation on Polaris I ran west on concession line between two and three subdividing concession one and two with transit chiefly, as I also did with concessions five and six and subdivided concessions three and four with transit and compass. The lines are all well opened out and blazed. Particular attention was paid to the planting and marking of posts. The following are the iron posts in this township:

At the southwest angle an iron post one and seven eighth-inches marked on the north side "Con. I"; on the west side "lot I."; on the east side "lot XII"; on the northwest side "Stock"; and on the northeast side "Taylor."

At the northwest angle there is an iron post one and seven-eighths inches marked on the northwest side "Clergue"; on the northeast side "Walker"; on the southeast side "Taylor"; on the southwest side "Stock"; "Con. I" on the north side; "lot XII. on the east side.

At the southeast angle there is an iron post one and seven-eighths inches marked on the northeast side "Carr"; on the northwest side "Taylor"; on the north side "XII M".

At the northeast angle an iron post one and seven-eighths inches marked on the northwest side "Walker"; on the northeast side "Wilkie"; on the southwest side "Taylor"; "Con. I" on the north side; "lot I." on the west side.

The north boundary of Carr strikes the east boundary of Taylor sixteen chains ninety-seven links south of the northeast angle of Taylor.



At the intersection of the west boundary and the line between concessions three and four, there is an iron post one and one-quarter inches marked on the east side "lot XII"; on the north side "Con. IV"; and on the south side "Con. III."

At the intersection of the line between concessions three and four and line between lots six and seven there is an iron post one and one-quarter inches marked on the north side "Con. IV"; on the south side "Con. III"; on the east side "lot VI"; and on the west side "lot VII".

Herewith I submit plans and field notes.

I have the honor to be, sir,

Your obedient servant,

(Sgd.) A. S. Code,

Ontario Land Surveyor.

To the Honourable, The Commissioner of Crown Lands, Toronto, Ontario.

(Appendix No. 38.)

TOWNSHIP OF CARR, DISTRICT OF NIPISSING.

Alvinston, Ontario, December 30th 1904.

SIR,—I beg to report that in obedience to instructions issued May sixteenth, A.D. nineteen hundred and four, for the survey of Carr, I proceeded from Tomstown on June sixth, after having been delayed a week on account of a boom of logs in the White River, with a party of sixteen men made up from Mattawa and North Temiskaming.

After paddling and portaging for some sixteen days we arrived with the greater portion of our provisions and proceeded to survey the unfinished portion of Stock, and the township of Taylor, and the township of Carr, returning to Tomstown in three and one-half days, on September twenty-sixth when I paid off the party.

After taking the necessary observation on Polaris I ran the east boundary of Carr, and proceeded to subdivide the township in the usual manner. I again took observation at the line of lots four and five and ran a transit line north to the concession line three and four, where I again took observation and ran east. I again observed Polaris on the east boundary and ran north striking the south boundary of Wilkie seven chains and forty-eight links west of the line between Wilkie and Coulson. After running west I ran lot line six and seven north from concession line three and four after an observation on Polaris and then proceeded from these lines to subdivide with transit and compass lines the whole township. I also commenced at the end of the south boundary of Wilkie as run in nineteen hundred and three and ran astronomically west striking the boundary of Taylor and Carr, sixteen chains and ninety-seven links south of the sixth mile post planted by Ontario Land Surveyor Patten.

At the northwest angle of Carr I planted an iron post one and seven-eighth inches marked on the south side "Con. VI"; on the northeast side "Wilkie"; on the southeast side "Carr", and on the east side "lot XII."

At the northeast angle there is an iron post one and seven-eighth inches marked on the south side "Con. VI"; on the west side "lot I"; on the southeast side "Beatty", and on the southwest side "Carr." There is a jog be-



tween this northwest angle and the southeast angle of the township of Wilkie, which lies seven chains forty-eight links east.

At the southwest angle there is an iron post one and seven-eighths inches marked on the northeast side "Carr"; on the northwest side "Taylor"; on the north side "XII M."

At the southeast angle there is an iron post one and seven-eighth inches marked on the northeast side "Beatty"; on the northwest side "Carr"; on the southeast side "Hislop", and on the southwest side "Bowman".

At the intersection of the south boundary with the line between lots six and seven, an iron post one and one-quarter inches marked "Con. I." on the north side: "lot VI" on the east side: "lot VII" on the west side.

At the intersection of the west boundary with the line between concessions three and four, there is an iron post one and one-quarter inches marked on the east side "lot XII"; on the north side "Con. IV"; on the south side "Con. III".

At the intersection of the line between concessions three and four with the line between lots 6 and 7, there is an iron post one and one-quarter inches in diameter, marked on the north side "Con. IV"; on the south side "Con. III"; on the east side "lot VI"; on the west side "lot VII."

At the intersection of the east boundary and line between concessions three and four, there is an iron post one and one-quarter inches in diameter, marked on the north side "Con. IV"; on the south side "Con. III"; on the west side "lot I."

The land in the township of Carr is a fine sandy clay having a sufficient admixture of sand to make it easily workable. About eighty or eighty-five per cent. will be workable when cleared.

The timber where green consists of spruce, dead tamarac, poplar, balsam, birch and a few balm of gilead. The brule' as shown on the timber map is an area of burnt standing timber very sound and hard. The hardening process of fire is well shown here as some of the dead trees cut like bone. The whole township is covered with a heavy undergrowth. The land is cut with gullies which effectually drain the soil. There is plenty of water in the creeks as a rule.

The Black River flows through this township. It is a stream about fifteen feet deep and averaging two chains and forty links wide with slow current.

McDougall's falls on Black River on the south part of lot four, concession one, will make a fair water power. The falls are fourteen feet high and will afford about seven hundred and fifty horsepower. Two chutes discharge the water through waterways in the rock of thirty square feet on the north and twenty-two square feet on the south sectional area. I would recommend that thirty acres adjacent be reserved for the water privilege having a width east and west from lots line three and four of twenty chains and north and south from the south boundary of fifteen chains.

An outcrop of Huronian rock occurs along Black River above the falls in places and there is a slight variation of the needle at the falls. There is also a similar variation of the needle on the east boundary at concession line four and five.

Herewith I submit plans and field notes of the township.

I have the honor to be, sir,

Your obedient servant,  
(Signed). A. S. Code,

Ontario Land Surveyor.

To the Honourable, The Commissioner of Crown Lands, Toronto, Ontario.

(Appendix No. 39).

TOWNSHIP OF BOND, DISTRICT OF NIPISSING.

North Bay, Ontario, December 28th, 1904.

SIR,—I have the honor to submit the following report on the survey of the Township of Bond, in the District of Nipissing, made under instructions from your Department dated July third, A.D. nineteen hundred and three.

Having finished the survey of the Township of Egan, I proceeded to the southeast angle of the township of Bond where I took an observation on Polaris for azimuth on the second day of August, and ran the south boundary of the township of Bond west astronomically, planting posts at regular distances of forty chains. Each of the side lines were run from the posts so planted along this line at distances of one mile each. The concession lines were all run from the posts planted by me last year on the west boundary of the township of Currie. The township was then laid out in the regular manner, observations for azimuth being taken whenever possible. A single row of wooden posts of the most durable timber obtainable in the locality were planted at the intersection of all side lines with concession or boundary lines. The posts so planted at the intersection of concession and side lines were marked on the north and south sides with the number of the respective concession and on the east and west sides with the proper lot numbers. Wooden posts were also planted on the concession lines and on the south boundary to mark the division lines between the lots in each block. These posts were marked with the number of the lots on the east and west sides and with the number of the concession on the north side only. In addition to the wooden posts above mentioned iron posts one and one-quarter inches in diameter and three feet long, were planted one on line between concessions three and four at the intersection of the said lines between lots six and seven, marked on the north side Con. IV, on the south side Con. III, on the east side VI, and on the west side VII, and one at the intersection of the south boundary with the side line between lots six and seven, marked on the north side Con. I, on the east side Con. VI, and on the west side VII. The iron posts one and three-quarter inches in diameter which I had planted last year to mark the southwest angle of the township of Currie and marked on the north side Con. I, on the northeast side Currie, on the east side XII, on the southeast side Egan, on the southwest side Sheraton, on the west side I, on the northwest side Bond was taken up by me and the township names on the southeast and southwest sides namely, Egan and Sheraton carefully obliterated. This post was then driven in the same place. On the iron post one and one-quarter inches in diameter planted by me last year at the intersection of the line between concessions three and four with the west boundary of Currie, I marked I on the west side in addition to the marks put on last year, namely, Con. III on south side, Con. IV on north side and XII on east side. The iron post planted at the northeast angle of Bond by Mr. Speight, Ontario Land Surveyor, had been marked Con. VI on the south side and XII on the east side by me last year, and had also been marked Bond on the southwest side and Currie on the southeast side. On this Post I marked I, for the number of the lot in Bond.

As the line between lots six and seven, concession six, did not strike the iron post planted by Ontario Land Surveyor Speight at the fifteenth mile

post on his base line of nineteen hundred and three, I did not plant any iron post here as none was furnished me by your department.

I found an iron post one and seven-eighths inches in diameter at the northwest angle of Bond which had been planted by Ontario Land Surveyor Speight and marked Bond on the southeast side. On the east side of this post I marked XII for the number of the lot and Con. VI on the south side for the number of the concession.

Owing to the fact that the line between concessions three and four intersecting the west boundary of Bond at the iron post planted by Ontario Land Surveyor Speight at the third mile, I marked the iron post planted by him XII on the east side, Con. III on the south side, and Con. IV on the north side.

On the iron post planted by Ontario Land Surveyor Speight on the north shore of a small lake at the southwest angle of the Township of Bond at chainage six miles eleven chains, and marked Bond on the northeast side, I marked I on the north side and XII on the east side for the number of the concession and lot.

The magnetic variation in the township of Bond ranged from five degrees west to fifteen degrees west and could not be relied on for running lines except in the northeast corner where the deflection remained nearly constant at nine degrees fifteen minutes west.

As will be seen on the accompanying plan the Driftwood River and its tributaries drain almost the entire township. Moose Lake is a very shallow body of water with a soft spongy bottom. The greater portion of the land in this township is very swampy and much of it is but a few feet above the surface of Moose Lake and Driftwood River, and it would be necessary to lower the surface of the lake and river to render the land fit for agriculture. This can be done very easily by blasting and removing the rock in the first rapids down the river. As it is now only thirty per cent. of the land is suitable for agriculture, but if the above mentioned improvements were carried out about seventy per cent. can be made good agricultural land.

There is a small area of sandy land in the southwest corner and also a ridge of rocky land southeast of Moose Lake, neither of which, in my opinion, will ever be suitable for farming. This rocky ridge is of Huronian formation, but no signs of economic minerals were observed.

Small spruce, dead tamarac, alders and willows are to be found in great abundance on the low lands adjacent to the river and lake, but on the higher lands spruce, poplar, birch, balsam and cedar attain large sizes. In the southwest corner there is a considerable area on which the timber is chiefly banksian pine, some of which has attained a size of fifteen to twenty inches in diameter and is of good quality.

Game, consisting of moose, bear, mink and muskrat, is very plentiful, and the fresh work of the beaver was noticed in several places.

The waters abound in fish, pike and pickerel being the most plentiful.

Accompanying this report are plan, field notes, timber map and account.

I have the honour to be,

Sir,

Your obedient servant,

(Sgd.) JOHN H. SHAW,

Ontario Land Surveyor.

To the Honourable,

The Commissioner of Crown Lands,

Toronto.



(Appendix No. 40.)

TOWNSHIP OF BOWMAN, DISTRICT OF NIPISSING.

North Bay, Ontario, December 22nd, 1904.

SIR,—I have the honor to submit the following report on the survey of the township of Bowman, in the District of Nipissing, made under instructions from your Department dated May sixteenth, A.D. nineteen hundred and four.

Having finished the survey of the township of Bond, I proceeded to the northeast angle of the township of McCann where I commenced the survey of the township of Bowman. I ran the east boundary of the township north astronomically from this point planting posts at regular intervals of one mile apart for a distance of three miles, the remainder of the distance to the northeast angle being run a few days later. The first four concession lines were run west astronomically from the posts so planted on the east boundary but the fifth was run east and west astronomically from the fourth side line. The first four side lines were run north astronomically from the posts planted by me at intervals of one mile apart on the south boundary, but the fifth which had been run for one mile while we were camped in the township of Egan was run from the post planted by T. B. Speight, Ontario Land Surveyor, between lots ten and eleven, concession six, McCann. The survey was then carried out in the usual manner, astronomic observations being taken whenever possible.

A single row of wooden posts of the most durable timber to be obtained were planted on the lines running east and west, only at all intersections of all lot corners. The posts planted at the intersection of all side lines with concession lines or boundaries were marked on the north and south sides with the numbers of the respective concessions, and on the east and west sides with the numbers of the lots. Those planted to mark the division line between the lots in each block were marked with the lot numbers on the east and west sides, and on the north side only with the concession number in keeping with this system of survey.

Iron posts one and one-quarter inches in diameter were planted beside the wooden posts on the side line between lots six and seven, one at the intersection of the south boundary marked VI on the east side, VII on the west side, and Con. I on the north side. One at the intersection of the line between concessions three and four marked VI on the east side, VII on the west side, III on the south side, and IV on the north side, and one at the intersection of the north boundary marked VI on east side, VII on west side and Con. VI on the south side.

I also planted iron posts one and one-quarter inches in diameter, one at the intersection of the line between concessions three and four with the east boundary and marked it Con. III on the south side, Con. IV on the north side and I on the west side and one at the intersection of the west boundary marked VII on the south side, IV on the north side and XII on the east side.

At the southwest angle of the township I found the iron posts one and seven-eighths inches in diameter planted last year by Mr. Speight, Ontario Land Surveyor, and along with the necessary marks for the other townships whose angles coincided with this angle of the township. I found the post marked Bowman on the northeast side. I marked XII on the east side. This post had been marked Con. I on the north side last year. At the northwest angle of the township I found an iron post marked Bowman on the southeast side in addition to the necessary marks for the township of Currie. I marked XII on the east side, Con. VI having been put on the south side last year in the survey of the township of Currie.



At the northeast angle of the township I planted an iron post one and seven-eighths inches in diameter and marked Bowman on the southwest side: Hislop on the southeast side: "I" on the west side and Con VI on the south side. The thirtieth mile post on Ontario Land Surveyor Speight's base line in nineteen hundred and three, which line forms the north boundary of the township of Bowman, was two chains and fourteen links east of the northeast angle of the township of Bowman. At this point (the thirtieth mile post) I found an iron post one and seven-eighths inches in diameter planted beside a wooden post, both of which were marked Hislop on the southeast side and Bowman on the southwest side. I destroyed these marks on both the iron and wooden posts.

At the southeast angle of the township I found a wooden post planted but no iron post. I marked the wooden post Con. I on the north side: I on the west side and Bowman on the northwest side. My instructions did not call for planting an iron post at that point, nor was it furnished me by your Department.

The magnetic variation ranged from two degrees east to eighteen degrees west and was so unreliable that no use could be made of the magnetic needle in running lines.

With the exception of a gravel ridge which extends in a southerly direction from lot three, concession six, to the south boundary, and a large area of rocky land in the southwest corner, the surface of this township is fairly level. About sixty per cent. of the land is well adapted for agriculture, being level or gently undulating clay land. It is well watered by numerous small creeks and along the trail leading south from Black River there are a number of small lakes. There is a considerable area of sandy land covered with small banksian pine. This area extends from lot four, concession four, to the south boundary and includes the above mentioned gravel ridge.

The timber is chiefly spruce, poplar, birch, banksian pine, balsam and dead tamarac. Some of this timber attains a large size and is of good quality. In the northern and eastern parts of the township there is great quantities of fallen timber rendering the bush difficult to travel through.

The rock formation in this township is all Huronian but no economic minerals were seen.

Game is abundant, moose, bear and partridge being plentiful, and traces of beaver, mink and muskrat were seen.

As there is a fairly good water power on Black River just north of lot four, concession six, and as there is some probability of the Temiskaming and Northern Ontario Railway being constructed near that point, I consider that lots three, four and five, concession six, may be specially valuable as a town site.

An Indian named McDougal has a house built on lot four, concession six, and as he has lived there for along time his right as a settler should be recognized. There is also a small Indian Cemetery on lot four, concession two, which should be considered private property.

In conclusion I may say that in view of the early development of this part of the country, I think this township should be opened for settlement at once.

Accompanying this report are plan, field notes, timber map and account.

I have the honor to be, sir,

Your obedient servant,

(Sgd) John H. Shaw,

Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(Appendix No. 41).

TOWNSHIP OF EGAN, DISTRICT OF NIPISSING.

North Bay, Ontario, December 28th, 1904.

Sir.—I have the honor to submit the following report on the survey of the township of Egan, in the District of Nipissing, performed under instructions from your Department dated May sixteenth, A.D. Nineteen hundred and four.

Leaving North Bay on the sixth of June, I proceeded along with my party of nineteen men in all, by rail and steamer to Tomstown where we loaded our canoes and proceeded via the Blanche and the Black Rivers and arrived at McDougals, an Indian settler's place on Black River, some nineteen miles from its junction with the Abitibi River, on the twenty-second day of June. Here I divided my party sending part of my men in charge of my assistant down the Black and up the Driftwood Rivers with supplies intended for the survey of the township of Bond, while with the remainder I packed supplies to the township of Egan. The route followed was southward along an Indian trail, a distance of six miles, then along the north boundary of the townships of McCann and Egan some five miles to the Wataybaeg River. Here I met my assistant and his gang who had cached their provisions at a suitable place near the Driftwood River.

Owing to the great difficulties in transportation, I was obliged to begin the survey by starting at the northeast angle rather than the southeast angle of the township as called for in the instructions. I ran the first two side lines south astronomically from the theoretical points on the south boundary of the township of Currie and ran these lines through the first concession first by trial lines, which were not blazed, then by true lines, so as to strike the posts planted by Ontario Land Surveyor Galbraith on the south boundary.

All the concession lines were run from the several mile posts planted by Ontario Land Surveyor Speight on the meridian line run by him last year, which line forms the east boundary of the township of Egan, and all the remaining side lines were run north from the posts planted by Ontario Land Surveyor Galbraith on the south boundary, which line I chained and found correct. I also ran the west boundary north astronomically from the iron post planted by Ontario Land Surveyor Galbraith to mark the southwest angle of Egan.

The survey was then performed in the usual manner. I turned off the necessary angles from the boundary lines and took observations where possible in the interior of the township. A single row of wooden posts was planted on the lines running east and west only at all intersections and lot corners. The posts planted at the intersections of all side lines with the concession lines or boundaries were marked on the north and south sides with the number of the respective concessions and on the east and west sides with the number of the respective lots. Those planted to mark the division line between the lots in each block were marked with the lot numbers on the east and west sides and on the north side only with the concession numbers, according to the practice in this system of survey.

Iron posts were planted beside the wooden posts on the line between concessions three and four, one at the intersection with the east boundary which was marked I on the west side : Con. III on the south side, and IV. on the north side. One at the intersection of the side line between lots six

and seven marked VI. on the east side : VII. on the west side : Con. III. on south side and Con. IV. on the north side and one at the intersection of the west boundary marked XII. on east side : Con. III. on the south side, and Con. IV. on the north side. I planted an iron post one and one-quarter inches in diameter at the intersection of the side line between lots six and seven with the north boundary and marked as follows: VI. on the east side: VII. on the west side and Con. VI. on the south side. At the north-east angle of the township I found an iron post which had been planted by Ontario Land Surveyor Speight last year and which I had marked Con. I. on north side: I. on west side last year, while engaged in the survey of the township of Currie. On the south side of this post I marked Con. VI. and I found it was already marked Egan on the southwest side. At the northwest angle of the township I planted an iron post one and seven-eighths inches in diameter and marked Egan on the southeast side, Sheraton on the southwest side: Con. VI. on the south side and XII. on the east side. At the southwest angle of the township I found an iron post one and seven-eighths inches in diameter planted by Ontario Land Surveyor Galbraith already marked Con. I. on the north side : Egan on northeast side : XII. on the east side : Timmins on the southwest side : I. on west side and Sheraton on northwest side. At the southeast angle of the township I found an iron post one and seven-eighths inches in diameter planted and marked XII. M 1.34 on north side : XII. M 5.10 on west side : Egan on northwest side, and McCann on northeast side. On this post I marked I. on west side and Con. I on north side. At the intersection of the side line between lots six and seven with the south boundary, I found an iron post one and one-quarter inches in diameter planted by Ontario Land Surveyor Galbraith on which I marked Con. I. on north side : VI. on east side and VII. on the west side.

The magnetic variation ranged from six degrees west to fifteen degrees west and could not be depended on for azimuth. I therefore, ran nearly all the lines with the transit.

The land is swampy in many places, but in general may be classed as undulating except in two or three instances where rocky hills rise to a height of two or three hundred feet above the surrounding country. The east and west portions of the township are drained respectively by the Watabaeg and the little Driftwood Rivers, both of which on account of many log jams are useless as canoe routes.

Almost the entire township is heavily timbered with large spruce, poplar, balsam of gilead, birch, balsam, banksian pine with some cedar and dead tamarac. Much of this last timber is still sound enough for railway ties. About two thousand acres of the southwest part of the township has been burned over about ten or twelve years ago, and in this tract a few scattering green white pine of fair quality are to be found.

Wild fruit, consisting of strawberries, raspberries, blue-berries, cranberries and currants, is abundant, while flowers of many varieties including even the moccasin flower and lady slipper were noticed.

The rock formation is all Huronian, cropping out in considerable areas, but no indications of economic minerals were noticed.

Game is abundant in this section, moose, bear, beaver, mink, muskrat and partridge abound, while traces of caribou and wolves were noticed.

About sixty-five per cent. of the land in this township is suitable for agriculture and when improved will make a good farming section. The greater part of the land in the first concession is unfit for settlement, and in my opinion the land in the unsurveyed territory to the south is also of poor quality.



Pulpwood is in considerable abundance in the township, but apart from this there is no timber but can be used to advantage by settlers and for other local purposes.

Accompanying this report are plan, field notes, timber map and account.

I have the honor to be, sir,

Your obedient servant,

(Sgd) John H. Shaw,

Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(Appendix 42.)

TOWNSHIP OF WARDEN, DISTRICT OF NIPISSING.

Bruce Mines, Ontario, November 30th, 1904.

Sir,—In accordance with your instructions dated June twenty-sixth, nineteen hundred and three, I beg to report that I have completed the survey of the township of Warden, in the District of Nipissing.

The survey of this township was commenced in September, nineteen hundred and three, immediately after the completion of the survey of the township of Milligan. However, on account of the almost continuous rainfall, I was unable to keep my men, and the survey had to be abandoned for the season. I returned to complete this survey in June, nineteen hundred and four, leaving Bruce Mines on June eighth and arriving at the township of Warden on June twenty-eighth. The survey was commenced the next day and continued without interruption until completed.

The township was surveyed in the usual manner, the concession lines being run due west and the side lines due north (astronomically). The regular lots are of three hundred and twenty acres each approximately. The posts were carefully marked and made of the most durable timber available, and bearing trees were marked whenever possible. Iron posts were planted according to instructions and are noted in the field notes as follows:—

At the northeast angle of the township an iron post one and seven-eighths inches, marked "Warden" on the southwest side; "Milligan" on the southeast side;

At the northwest angle of the township an iron post one and seven-eighths inches, marked "Warden" on the southeast side;

At the southwest angle of the township, an iron post one and seven-eighths inches, marked "Warden" on the northeast side; "Beatty" on the southwest side; "Coulson" on the northwest side; "Munro" on the southeast side.

At the southeast angle an iron post one and seven-eighth inches in diameter, marked "McCool" on the southeast; "Milligan" on the northeast; "Munro" on the southwest and "Warden" on the northwest.

Iron posts one and one-quarter inches in diameter were planted on the line between lots six and seven, at its intersection with the south boundary, the east boundary and concession line between concessions three and four; also on the east and west boundaries at their intersection with the line between concessions three and four.



The township as a whole is a splendid one from an agricultural standpoint. Along the eastern boundary is an area of sand and gravel, which runs towards the west along the south boundary. Along the front of concession one, the land becomes very rough and rocky. These sandy and rocky portions have been burnt over about seven years ago, and are now growing up with small jack pine, poplar, birch and cherry. The remaining portion of the township is composed largely of clay land, just sufficiently rolling to afford good drainage. It is inclined to be low in places, but about seventy-five per cent. of the township is available for farming purposes. There is practically no muskeg. The swampy portions are covered with a heavy growth of moss, covering a thick layer of rich black mould, but one invariably strikes the clay underneath. These portions when cleared will make most productive land.

With the exception of the small burnt portions previously mentioned, the whole township is heavily timbered with spruce, balsam, poplar, white birch, jack pine and tamarac. The tamarac, however, is all dead, and much of it is fallen. Throughout the whole township, is a dense undergrowth of alders, hazel and moose maple. These together with a large amount of fallen timber, make travelling very difficult.

The township is well watered with small streams running through it. None of these streams, however, are large enough for canoe travel, in addition to which they are all badly blocked with fallen timber. There are no water powers.

Moose and deer were seen occasionally while beaver and bear are very plentiful. Partridge are also numerous.

No minerals of any value were seen, and in fact rock exposures were very scarce. The magnetic variation is fairly constant at about nine degrees thirty minutes west.

Accompanying this report are a general plan, timber plan, field notes and accounts in triplicate duly attested.

I have the honor to be, sir,

Your obedient servant,

(Signed) James S. Dobie,

Ontario Land Surveyor.

The Honorable the Commissioner of Crown Lands, Toronto.

---

(Appendix No. 43.)

TOWNSHIP OF BEATTY, DISTRICT OF NIPISSING.

Bruce Mines, Ontario, December 14th, 1904.

SIR,—I beg to report that in accordance with your instructions dated May sixteenth, nineteen hundred and four, I have completed the survey of the township of Beatty, in the District of Nipissing.

I commenced the survey of this township immediately after completing the survey of the township of Munro, and completed the survey on the twenty-ninth day of September, nineteen hundred and four.

The township was surveyed in the usual manner, with the exception that there are thirteen lots in each concession instead of twelve. The southern boundary of this township is the base line run by Ontario Land

Surveyor Speight in nineteen hundred and three, the west boundary is the east boundary of the township of Carr, and the east boundary is the meridian line run in nineteen hundred and two by Ontario Land Surveyor Speight. As the distance along Ontario Land Surveyor Speight's base line from the southeast corner of the township of Carr to Ontario Land Surveyor Speight's meridian line run in nineteen hundred and two, is six miles, fifty-two chains, seventy-four links I was instructed to run my side lines from Ontario Land Surveyor Speight's mile posts, and to make lot one of a width of fifty-two chains, seventy-four links, the other lots being of the usual width of forty chains approximately, consequently the side lines run between lots three and four, five and six, seven and eight, nine and ten, eleven and twelve. Otherwise the township was surveyed in the usual manner. Substantial wooden posts of the most durable timber available were carefully planted and properly marked. Bearing trees were marked and noted in the field notes. Iron posts were planted and marked as follows:—

First. At the southeast corner of the township marked Beatty on the northwest side; Hislop on the southwest side; Con. I. on the north side, and I. on the west side.

Second. At the northeast corner of the township marked Coulson on the northwest; Beatty on the southwest; Con. VI. on the south, and I. on the west.

Third. At the southwest corner marked Beatty on the northeast corner; Carr on the northwest; Bowman on the southwest; Hislop on the southeast; Con. I. on the north; XIII. on the east; and XXX M. on the west.

Fourth. At the northwest corner of the township marked Beatty on the southeast; Carr on the southwest; Con VI. on the south and "XIII" on the east.

Fifth. At the intersection of the east boundary with the line between concessions three and four, marked Con. III. on the south; Con. IV. on the north; I. on the west.

Sixth. At the intersection of the line between concessions three and four with the line between lots seven and eight, marked Con. III. on the south; Con. IV. on the north; VII. on the east, and VIII. on the west.

Seventh. At the intersection of the line between concessions three and four with the west boundary, marked Con. III. on the south; Con. IV. on the north; XIII. on the east.

Eighth. At the intersection of the line between lots seven and eight with the north boundary, marked Con. VI. on the south; VII. on the east; VIII. on the west.

Ninth. At the southern extremity of the line between lots seven and eight, marked Con. I. on the north; VII. on the east, and VIII. on the west.

The township as a whole is a good one from an agricultural standpoint, it is nearly all undulating land, of a good quality of clay and clay loam, inclined to be swampy in some places. Along the east boundary there are some ridges of rock, but on the whole these are not of great importance, and the valleys between are mostly of excellent land. The western portion is very level. There is a large amount of valuable spruce, poplar, balsam and white birch, with a great amount of dead tamarac. Fire has over-run a few scattered portions, but on the whole these areas are not of great importance.

There are no rivers of any importance, and consequently no water powers.

No traces of economic minerals were seen, although the rock exposures were of the Huronian formation principally of diorites and greenstones.

The magnetic variation was fairly constant at an average value of nine degrees, thirty minutes west.

Not much game was seen, although moose and deer appear to be fairly plentiful. Partridge are quite plentiful and beaver are very numerous.

Enclosed herewith you will find a timber plan, general plan, field notes and account in triplicate.

I have the honor to be, Sir,

Your obedient servant,

(Signed) James S. Dobie,

Ontario Land Surveyor.

The Honorable the Commissioner of Crown Lands, Toronto.

---

(Appendix No. 44.)

TOWNSHIP OF MUNRO, DISTRICT OF NIPISSING.

Bruce Mines, Ontario, December 14th, 1904.

Sir,—I beg to report that in accordance with your instructions dated May sixteenth, A.D. nineteen hundred and four, I have completed the survey of the township of Munro, in the District of Nipissing. The survey of this township was commenced during the season of nineteen hundred and three by W. A. McLean, Ontario Land Surveyor of Toronto, but was not finished by him. As Mr. McLean was unable to go back to finish his survey this season, arrangements were made whereby I finished the survey of this township, and also a portion of the township of McCool. Mr. McLean had run the north boundary and the lines between concessions two and three, and between concessions four and five, marking all his posts on four sides, as for double fronted concessions. Acting on your instructions of May sixteenth, nineteen hundred and four, I continued the survey by running the side lines, and the remaining concession lines, and removing the marks from the south side of such posts as had been improperly marked on that side. Mr. McLean had planted posts every forty chains on all the lines run by him, and I was instructed to run the side lines north astronomically, and where the side lines did not intersect the concession lines run by Mr. McLean, at the posts planted by him, I was to move his post to the point of intersection, noting the distance the post was moved. This distance was added to or subtracted from the chainage of the fronts of the adjoining lots, thereby giving the chainage to the half mile posts. In cases where my side lines intersected within one chain of Mr. McLean's posts, I was instructed that it was not necessary for me to move the half-mile posts. However, I found after running the side lines between lots two and three, and lots four and five, that the intersections were becoming farther from Mr. McLean's posts. I, therefore, moved all of his posts west of the side line between lots four and five, so as to give an approximate frontage of forty chains to all the lots, otherwise the township was surveyed in the usual way." Wooden posts of the most durable timber available were planted in the proper places, and were carefully marked. Iron posts were planted as follows:—At the southeast corner of the township marked "Munro" on the northwest; "McCool" on the northeast; "Michaud" on the southeast, and "Guibord" on the southwest.



Second. At the southwest corner marked "Munro" on the northeast; "Guibord" on the southeast.

Third. At the northeast corner marked "Munro" on the west; "McCool" on the east; "Milligan" and "Warden" on the north.

Fourth. At the northwest corner marked "Warden" on the northeast and "Munro" on the southeast. Iron posts were also planted on the south boundary between lots six and seven, on the north boundary between lots six and seven, on the line between concessions three and four, at lots six and seven, and at the east and west boundaries between concessions three and four. These iron posts are all marked with the number of the lots and concessions, and recorded in the field notes.

The township as a whole is not suitable for farming purposes. Along the southern and western boundaries is a strip of clay land, swampy in places, with dry clay ridges, timbered with spruce, balsam, birch, poplar, and jack pine. This portion, however, is broken with rock ridges. East of this is a series of sand plains and rolling sand ridges. This area has been swept by fire about seven or eight years ago, and is now growing up with an undergrowth of cherry, alder, birch, poplar and jack pine. This *brulé* is irregular in shape, and in it are scattered patches of green bush which have escaped the fire, but on the whole there is little timber of any value. Lots four to eleven, in concession six, are very rough and rocky. A series of bare rocks running all the way across them and also across the northern portion of the same lots in concession five. These rocks are principally Huronian greenstones, but no minerals of value were noticed.

The magnetic variation is fairly constant at about ten degrees west.

There are large streams as the hills in this township form a watershed between the waters flowing towards Black River and those flowing north towards Lake Abitibi.

Very little game was noticed although bears are numerous on the *brulé*. Partridge are fairly plentiful and beaver are numerous.

Accompanying this report are a general plan, timber plan, field notes and account in triplicate.

I have the honor to be, sir,  
Your obedient servant,  
(Signed) James S. Dobie,  
Ontario Land Surveyor.

The Honorable the Commissioner of Crown Lands, Toronto.

(Appendix No. 45.)

#### TOWNSHIP OF RICKARD, DISTRICT OF NIPISSING.

Sault Ste. Marie, Ontario, December 16th, 1904.

Sir,—I beg to report upon the survey of the township of Rickard, in the District of Nipissing, made in accordance with your instructions of May thirty-first last.

Having completed the survey of Knox I continued from the west boundary of that township. I planted posts as directed, marking also, and planting and marking iron posts as below :—

The iron posts one and seven-eighths inches at the northeast angle between Knox and Rickard; Rickard on southwest; Knox on southeast; Lot one on west; lot thirteen on east; the iron post one and one-quarter inches on the boundary between Knox and Rickard, concession three on south, con-



cession four on north; lot one on west; lot thirteen on east. The iron post one and seven-eighth inches at the southeast angle of Rickard; Rickard on northwest; Knox on northeast; lot one on west; lot thirteen on east, concession one on north. The iron post on the south boundary between lots six and seven, one and one-quarter inches, concession one on north; lot six on east; lot seven on west. The iron post one and seven-eighth inches at the southwest angle of township, Rickard on northeast; concession one on north, lot twelve on east. The iron post on the west boundary one and one-quarter inches, concession three on south; concession four on north; lot twelve on east.

The iron post one and seven-eighth inches at northwest angle of the township, Rickard on southeast, concession six on south; lot twelve on east. The iron post one and one-quarter inches on the north boundary, concession six on south; lot six on east; lot seven on west. The iron post in centre of township one and one-quarter inches, concession three on south; concession four on north; lot six on east; lot seven on west.

The remarks in the township of Knox apply equally to Rickard. The swamp being more extensive and the country generally more level, an enormous amount of windfall and dense undergrowth even in the swamps. The soil a heavy grey clay. Timber spruce and poplar, about forty per cent. arable land.

I beg to enclose plan, field notes, etc., and am, sir,

Yours faithfully,

(Signed) Joseph Cozens.

Ontario Land Surveyor.

The Honorable the Commissioner of Crown Lands, Toronto.

(Appendix No. 46.)

TOWNSHIP OF KNOX, DISTRICT OF NIPISSING.

Sault Ste. Marie, Ontario, December 15th, 1904.

SIR,—I beg to report upon the survey of the township of Knox, in the District of Nipissing, made in accordance with your instructions of May thirty-first A.D. nineteen hundred and four.

I reached my work via Mattawa, Temiskaming, Quinze Lake, Lake Abitibi, etc., and found the country no easier of access than last year. Notwithstanding my knowledge of the route, I was put to serious inconvenience and expense by the non-delivery of some of my canoes which had been shipped via Canadian Pacific Railway a fortnight before my arrival at Temiskaming. Their charges were also exorbitant for what they did deliver.

I made the survey, planted and marked the posts as directed, taking frequent observations for azimuth, also planting and marking the iron posts below.

An iron post one and seven-eighth inches at the northeast angle of the township, marked Knox on the southwest and lot 1 on the west.

The iron post on the east boundary of the township one and one-quarter inches in diameter, marked Con. III on the south, Con. IV on the north, lot 1 on the west.

The iron post denoting the northeast angle of the township of Coulson, Knox on the northwest, lot 1 on the west.

The iron post one and one-quarter inches in diameter on the south boundary:—Con. 1 on the north, lot VII on the east, lot VIII on the west.

The iron post one and seven-eighth inches in diameter denoting the northwest angle of the township of Coulson:—Knox on the northeast, Rickard on the northwest, Lot XIII on the east, Lot I on the west.

The iron post on the boundary between Knox and Rickard one and one-quarter inches in diameter:—Con. III on the south, Con. IV on the north, Lot XIII on the east, Lot 1 on the west.

The iron post one and seven-eighth inches on the north boundary between Knox and Rickard:—Knox on the southeast, Rickard on the southwest, Lot XIII on the east, Lot I on the west.

The iron post one and one-quarter inches in diameter on the north boundary of the township:—Con. VI on the south, Lot VII on the east, Lot VIII on the west.

The post in the centre of the township:—Con. III on the south, Con. IV on the north, Lot VII on the east, Lot VIII on the west.

The other posts were chiefly spruce and wherever possible from six inches to eight inches square.

The country is generally level though very much broken, especially near the Abitibi River, with comparatively deep ravines, the narrow runs which can hardly be dignified by the name of creeks have evidently formed these, the sides and bottoms are covered with dense underbrush, willow, alder, hazel, etc., this with the enormous amount of windfall prevalent makes travelling through the country exceedingly arduous. From the nature of the soil, a heavy grey clay, and from the manner in which these ravines have apparently been formed, I imagine this section of the country will present problems in the way of drainage for cuts and fills in the construction of roads and railways.

Where spruce and poplar grow together the spruce is large, especially near the bank of the river. In the swamps it is small. The poplar is large and very tall. Very little birch was seen and practically no cedar. The tamarac is dead.

I saw no indications of mineral. The few rock exposures were Huronian.

I found no game, even partridge and rabbits were scarce. As for fish, I naturally thought the Abitibi River would prove a valuable asset in regard to food supply. I took nets with me and caught practically no fish. The variety was large. Maskinonge, white fish, pike and one rock sturgeon, but the supply was very limited.

The country seems especially adapted for the raising of small fruits, raspberries, currants, red and black, goose-berries, cranberries, etc., these grew in abundance, also edible fungi in great profusion and variety.

I should judge that about fifty per cent. of the township would consist of arable land, and from my experience of swamp lands in Algoma, think that possibly in the future, when the country is cleared and drained, these lands will be of the best.

The weather was fine and dry, only three very wet days on which the party could not work. A heavy frost on the night of the twenty-seventh of August and more or less frost during September.

I was lucky enough to connect with the steamer Meteor at North Temiskaming, but even with that advantage it took two days to reach Mattawa.

The difficulty of access, the time occupied in going to and from the work, the enormous charges for transportation, the character of the country, the lack of game and fish, etc., made this the most expensive survey I have ever had the misfortune to undertake.

I send with this plans, field notes, etc., and am

Sir,

Yours faithfully,

(Sgd.) Joseph Cozens,

Ontario Land Surveyor.

The Honorable the Commissioner of Crown Lands, Toronto.

---

(Appendix No. 47).

TOWNSHIP OF McCool, DISTRICT OF NIPISSING.

Toronto, Ontario, December 23rd, 1903.

SIR,—I have the honor to submit the following report of the survey of the Township of McCool in the District of Nipissing, performed under instructions dated June twenty-ninth A.D. nineteen hundred and three.

This township, about six miles from Lake Abitibi, is bordered on the north, west, and south, by the townships of Milligan, Munro and Michaud, respectively, and on the east by unsurveyed lands.

Having regard to the completion of the meridian line from which I was instructed to commence the survey, I did not assemble my party at North Temiskaming, Quebec, until July fifth. From this point we proceeded to Douglas Farm (Klock's Depot) on Lake Quinze, seventeen miles, by portage road. From this point we followed the usual canoe route through Lake Quinze, Barrier Lake, Grassy Lake, Long Lake, Island Lake, Upper Lake, Abitibi River, and intermediate streams, to the Hudson Bay Company's post near the easterly extremity of Upper Lake Abitibi. From here we crossed Upper Lake Abitibi, passed through "The Narrows" into Lower Lake Abitibi, reached the southern extremity of the bay on the westerly side of Biederman's Peninsula and ascended Grassy Creek about a mile, a canoe voyage from Klock's Depot of, approximately, one hundred and fifty miles.

Under more favorable circumstances this distance could be accomplished in five or six days, but having a large quantity of supplies and equipment to carry over portages, and having been windbound at Abitibi Post for several days, it was August twelfth when we crossed Lower Lake Abitibi, or sixteen days from Klock's Depot.

Finding that it would still be one week before the base line would be completed to a point at which I could commence my survey I proceeded to open a trail and to portage in my full outfit of supplies and equipment, a distance of about five miles, to the northeast angle of McCool. On August seventeenth I commenced the northern boundary of McCool, as directed, from the sixth mile post of the Meridian Line of Ontario Land Surveyor James Robertson, turning off the angle north eighty-nine degrees west from the Meridian Line. This chord of the arc of latitude forty-eight degrees thirty-seven minutes was produced six miles to the northwest angle of McCool, from which point a second similar chord was produced to Speight's meridian of nineteen hundred and two, forming the boundary line between the townships of Munro and Warden. The remainder of the sub-division of McCool was



carried out as shown by the plan and field notes accompanying this report. All lines were run with a transit except about eight miles in the northeast section of McCool, where, owing to an accident to one of my transits, a compass was used.

The township is approximately six miles square. Concessions are single fronted, and one mile in width. They run from east to west across the township, and number from the south, one to six. Lots number from east to west along the concessions, twelve in each concession. Side lines were run from north to south across the six concessions, between lots two and three, four and five, six and seven, eight and nine, ten and eleven, thus dividing the township into blocks of one square mile, and every block containing two lots each of about three hundred and twenty acres.

Wooden posts were planted along the front of each concession to mark the intersection of side and boundary lines. Posts at the southeast angle of lot one, and between lots two and three, four and five, six and seven, eight and nine, ten and eleven, and at the southwest angle of lot twelve, were marked on the north and south sides with the respective concessions and on the east and west sides with the proper lot numbers. Posts between lots one and two, three and four, five and six, seven and eight, nine and ten, eleven and twelve, were marked on the north with the proper concession number, and on the east and west with the respective lot numbers. Wooden posts were planted along the rear of the sixth concession, at the northeast and northwest angles of the township, and at the intersection of lines between lots two and three, four and five, six and seven, eight and nine, ten and eleven, marked on the south Con. VI, and on the east and west sides with the respective lot numbers.

In addition iron posts were planted alongside certain of the foregoing wooden posts as follows:—

An iron post, three feet long and one and seven-eighths inches in diameter, at the northwest angle of the township of McCool marked on the northwest side Warden, on the northeast Milligan, on the southwest Munro, and on the southeast McCool. An iron post three feet long, one and one-quarter inches in diameter on the north boundary between lots six and seven, marked Con. VI on the south side, 6 on the east side and 7 on the west. An iron post three feet long, one and one-quarter inches in diameter, on the west boundary at the line between concessions three and four marked on the north side Con. IV, on the south side Con. III, on the east side 12, on the west side 1. Also a one and one-quarter inch iron post three feet long at the centre of the township between lots six and seven, at the front of concession four, and marked on the north side concession IV, on the south side Con. III, on the east side 6, on the west side 7.

The soil in the northeast part of the township is a variety of clay but is swampy and wet with, occasional dry ridges. In the southeast section the soil is of a similar nature, but the country is more hilly, rocky and broken. The remaining two-thirds is sandy and unfertile, and is not desirable agricultural land.

Small creeks are numerous, some flowing northerly towards Lake Abitibi, others easterly, being branches of Ghost River or its confluences. The largest stream is that passing out of the township at lot one, concession three, being a branch of the Ghost River. It is not passable for canoes in this township, nor for about three miles east in unsurveyed territory, being obstructed with alders, branches and submerged logs. The Ghost River however, affords the most convenient means of reaching the township at present. There are several small lakes up to twelve or fifteen acres in extent, and one of larger size on the west boundary between Munro and



McCool. As the soil is very sandy, the waters are clear and transparent. There are no water powers in the township.

Tracks of game were numerous, especially in the wooded part of the township. Moose, deer and caribou appear to be fairly plentiful although none were seen during the survey. Tracks of bears were very numerous, particularly in the burnt and sandy parts of the township where blueberries are exceedingly abundant. Brook trout were caught in a branch of Ghost River, and I have no doubt they would be found elsewhere, possibly in some of the lakes of the township, the waters of which are clear and cold, and favorable to their existence. An occasional wolf was heard. Spruce partridge were exceedingly plentiful.

There is much fallen timber throughout the township, particularly in the burnt district, making walking very difficult, and while moving camp and supplies was especially laborious. The spruce trees of the district are small, the roots do not descend deeply into the soil, and the soil being of a light nature, they are blown down to an unusual extent in very high wind storm. The prevailing gales appear to blow from the northwest.

The greater part of the township (about two-thirds) was burnt over eight or ten year ago, and the major portion of this brule was grown up with young birch, poplar, cherry, moose maple, and hazel. The unburned bush, occupying the eastern part of the township, is principally spruce about fifty years old, averaging six inches in diameter. Examination shows that the annual growth of these trees, as indicated by the rings, is small. This I would attribute to the wet and unfertile quality of the soil.

As shown by the accompanying timber plan, the township may be divided into three areas; the western part, principally brule, a section of the north-east, principally spruce swamp, an area in the southeast, higher land with considerable spruce, but with more birch and poplar on the rocky hills and ridges.

A few white pine (of no commercial value) were observed on lot twelve, concession four, while banksian pine are plentiful in the southern part of the township. Young banksian pine are springing up on the sandy, burnt areas in the southwesterly portion. All tamarac in the township is dead or dying, having been killed by an insect pest which attacked them about ten years ago. Cedar occurs in the township, but is faulty. The timber of chief commercial value is spruce, which is suitable for pulpwood. The branch of the Ghost River, if cleared of brush and logs, would afford ready means of getting to Upper Lake Abitibi, all the pulpwood in the township.

Rock exposures occur principally in the southeastern part of the township, the general strike being northwest to southeast. The outcropping rocks are chiefly Huronian green stones. Quartz veins were found, but no indications of gold or other valuable ores. The magnetic variation ranged from north eighteen degrees thirty minutes west to north nine degrees west, the ruling variation being about north ten degrees thirty minutes west. In the rolling sandy country, a number of hills appear to be ancient sand dunes.

A general plan, timber plan and field notes accompany this report.

I have the honor to be

Sir,

Your obedient servant,

(Sgd.) W. A. McLean,

Ontario Land Surveyor.

The Honorable the Commissioner of Crown Lands, Toronto.

*(Appendix No. 48).*

## TOWNSHIP OF BARNET, DISTRICT OF NIPISSING.

Glencoe, Ontario, December 21st, 1904.

SIR,—Under instructions from you dated June twenty-third A. D. nineteen hundred and three, I beg to report in connection with the survey of the Township of Barnet, in the District of Nipissing, that the township was reached and the work carried out as already set forth in my report on the Township of Cook.

The township corners are each marked by a wooden post planted firmly in the ground, beside which is also planted an iron post. The wooden posts are about six inches square and four feet high. The iron posts are one and seven-eighths inches in diameter and three feet long, and each marked as follows:—

At the southeast corner, the wooden post is of jack pine marked on the north side Con. 1, on the west side Lot 1. The iron post is marked "Barnet" on the northwest side. This corner is on a rock, and the posts are mounded with stones.

At the southwest corner the wooden post is of spruce, marked on the north side Con. 1, on the east side Lot XII, and on the west side Lot 1. The iron post is marked "Barnet" on the northeast side, and "Cook" on the southwest side.

At the northwest corner the wooden post is of spruce marked Con. 6, on the south side, Lot 1 on the west side, and Lot XII on the east side. The iron post is marked "Barnet" on the southeast side, and "Cook" on the southwest side.

At the northeast corner the wooden post is of spruce, marked on the west side Lot 1 XII M. 6.83 chs., on the north side XVIII M. 3.70 chs., on the south side Con. 6. The iron post was marked on the north side XVIII M. 3.70 chs., on the west side XII M. 6.83 chs., on the northwest side "Michaud" and on the southwest side "Barnet."

The Township of Barnet is very similar to the Township of Cook. A considerable part of the surface is comparatively level, but there are numerous rocky exposures and stony hills of greater or less elevation.

About ten to fifteen per cent. of the area might be considered rocky or stony, about an equal proportion muskeg, and the remainder about equally divided between sand and clay of variable quality, but the area of any kind in one place is apparently not large. A considerable part of the land in its natural condition is low and wet.

The Pike River runs through the northwest corner of the township, entering it from the north on lot eight in the sixth concession and leaving it on the west near the line between concessions five and six. It is a stream about one chain in width, and four to six feet deep, with high banks and a fair current in places. In addition to this stream there are numerous smaller ones distributed over the township as shown on the plan.

The timber is chiefly spruce, tamarac, balsam, birch and poplar, with cedar in places, and some scrubby jack pine on the rocky hills. Of spruce prove valuable chiefly for pulpwood purposes. While a good deal of the there is a considerable quantity of fair size and good quality, which must birch and poplar is not large there are numerous patches of these timbers of fair to large size and nice quality. The tamarac while chiefly of considerable size is practically all dead. The muskegs are sparsely covered with scrubby spruce of little or no value.

The season's work of survey was completed at the southeast angle of this township, on the second day of September, and we returned home by the same route by which we had reached it.

The usual plan, timber map and field notes accompany this report.

I have the honour to be, sir,

Your obedient servant,

(Sgd.) James Robertson,  
Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

*(Appendix No. 49.)*

TOWNSHIP OF COOK, DISTRICT OF NIPISSING.

Glencoe, Ontario, December 21st, 1904.

SIR,—I beg to report that I have completed the survey of the townships of Cook and Barnet together with my third base line, all in the District of Nipissing, which I was unable to finish last year, under instructions dated the twenty-third of June, A.D. 1903.

This season I left Glencoe for the work on the sixth day of June going by rail via North Bay and Mattawa to Temiskaming, Quebec, thence by steamer via New Liskeard to Tomstown in the Township of Ingram; thence by canoe up the Blanche river to the height of land which we crossed, and descended the White Clay and Black rivers to where the latter is crossed by Ontario Land Surveyor Speight's meridian, of nineteen hundred and two between his twentieth and twenty-first mile posts. This line from the eighteenth to the twenty-fourth mile post forms the west boundary of the township of Cook. The township of Barnet lies immediately to the east of the township of Cook. The third base line runs easterly from the twenty-fourth mile post on Ontario Land Surveyor Speight's meridian to intersect the meridian run by me in nineteen hundred and three, and forms the north boundary of the townships of Cook and Barnet.

The meridian line run by me in nineteen hundred and three, produced southerly forms the easterly boundary of Barnet, and a line run easterly from the eighteenth mile post on Ontario Land Surveyor Speight's meridian to intersect this line forms the southerly boundary of Cook and Barnet.

The overplus in width above six miles for each township caused by the divergence of meridians from my first base line of nineteen hundred and three is divided between the two townships and thrown into lot one of each. Five chains of this were given to the township of Cook and the remainder to Barnet.

The southeast angle of the township of Cook was fixed by measuring off six miles and five chains from Speight's meridian along the south boundary and the boundary line between the townships was run due north from the point thus determined.



The work of survey was commenced at Ontario Land Surveyor Speight's meridian on the west and carried easterly and finished at the southeasterly angle of Barnet, but in my field notes returned to the Department I show the measurements and notes recorded in the proper order and reading from east to west, and south to north in the usual way.

On the third base line I planted posts at every mile from the westerly end of the same, as directed in my instructions, as well as at the intersection of the lot lines where the latter do not coincide with the mile posts. I also removed the posts, set temporarily by Ontario Land Surveyor McCubbin in nineteen hundred and three to mark certain lot lines in the township of Michaud, to the intersection of his lines with my third base line, which now forms the south boundary of Michaud. The distances which these posts were moved and the bearing trees taken are fully set forth in the field notes.

The general aspect of the township of Cook is level, although the surface is broken by numerous rocky exposures, and small hills, and some few of considerable size which are conspicuous from a distance. It is situated in the border of the Great Clay Belt north of the height of land, and the character of the soil is not uniform. Of the total area of the township about ten to fifteen per cent. is rocky and stony, about an equal amount muskeg and the remainder equally divided between sand and clay of variable quality. A considerable portion of the township is low and wet in its natural condition and cannot at present be considered desirable for settlement. When cleared, however, and drained, much of it will no doubt be valuable for grazing and other purposes.

The township is well watered by Bolton Lake, Black River, Pike River, a tributary of the Black, and other smaller streams shown on the map. The Black River runs through the southwest corner entering the township at the south on lot eight in the first concession, and leaving it on the west from lot twelve in the third concession. Through the township it is a sluggish stream from two to three chains in width and five to ten feet in depth, with even low clay banks, and shores mostly covered with spruce and alders.

Bolton Lake is a pretty sheet of water on lots eleven and twelve in the third concession and connected with the Black River by a channel about seventy-five links wide and a few chains long.

Pike River enters the township from the east near the line between concessions five and six and runs westerly to lot seven then turns northwesterly and leaves the township on the north from lot eight in the sixth concession. This stream is about one chain in width and four to six or more feet in depth, and has high banks, and in places a good current. It is considerably obstructed in places by accumulations of driftwood, etc.

The township is practically all green, there being only a few small areas of windfall. The timber is chiefly spruce, tamarac, poplar, birch, balsam and cedar and much undergrowth of alders, etc.

Of spruce there is a goodly quantity from four to fourteen inches in diameter, and of good quality, which must prove valuable chiefly for pulp-wood purposes. This timber stands fairly thick on the ground and although in patches more or less, will cover an area of about forty per cent. of the township. Mixed with the spruce is a considerable amount of tamarac of good size, practically all of which is dead, having been destroyed some fifteen or twenty years ago, it is said by the larch saw fly.

The poplar and birch grow on the higher lands and there are numerous patches of nice large trees of these timbers. Cedar is not very plentiful, although some nice patches of good quality were met with.

There are no water powers in this township, but on the Black River about a mile below the west boundary is a splendid fall, which will probably



be found to be near the line of the Temiskaming and Northern Ontario Railway extension when located.

Accompanying this report are a general plan, timber map and field notes.

I have the honor to be, Sir,

Your obedient servant,

(Sgd.) James Robertson,

Ontario Land Surveyor.

The Honorable the Commissioner of Crown Lands, Toronto.

---

(Appendix No. 50.)

TOWNSHIP OF McCANN, DISTRICT OF NIPISSING.

Toronto, Ontario, November 10th, 1904.

SIR,—I have the honor to submit the following report of the survey of the township of McCann, in the District of Nipissing, made under instructions from your Department dated twenty-fifth of June, A.D. 1903.

In addition to the subdivision of this township I received instructions for the subdivision of the township of Playfair, and the survey of certain base and meridian lines in the Districts of Nipissing and Algoma.

The late arrival of the instructions and the urgency of the base and meridian line work necessitated my deferring the township subdivision until the latter part of the season of 1903, and resulted in our being obliged to discontinue work when about one-third of the township of McCann had been surveyed, the remainder, together with Playfair, being untouched.

In returning to the township of McCann I left Toronto on 25th of May, 1904, and having organized a full party from various points we proceeded via Mattawa and Tomstown up the Blanche River to the height of land, and thence by means of White Clay and Black Rivers to McDougall's Falls. Leaving the Black River at this point, we followed the Matatchewan canoe route about ten miles southerly to the interior of McCann township, arriving on tenth of June. Between Tomstown and McDougall's Falls we encountered forty-six portages, and six more on the remainder of the journey.

The west boundary of McCann was run by myself in the base and meridian line surveys of 1903, and the survey of the township was based on concession lines run due east from the mile posts planted on that boundary, side lines being run at alternate lot lines throughout in accordance with the projected plan.

Except where the corner occurred in a lake or river, wooden posts of as durable timber as could be obtained were planted at every half-mile on the concession lines and marked for the several lots and concessions, those at the centre of each mile block being marked for the lots in the concession on the north side only. All lines were run by the transit and were well opened out and carefully blazed.

*General Features.*

The western one-third of this township is chiefly undulating, with occasional areas, of considerable extent, of flat land more or less swampy. The central one-third consists of sandy plains with lake basins surrounded

by high hills at intervals, and the remainder of the township is rugged and broken by lakes and rocky hills.

#### *Soil.*

The flat and undulating lands are for the most part clay and clay loam of fair quality. The sandy plains referred to are, in my opinion, too light to be classed as good farm lands, while the eastern one-third of the township from its broken character is not desirable for agricultural purposes, although containing numerous small areas of good clay and sandy loam, particularly in the northeastern part.

#### *Timber.*

Brulé of about thirty to forty years date covers the greater part of the township, the exceptions being near the east and west boundaries respectively, and in the vicinity of the larger lakes.

The second growth timber in the burnt part consists of banksian pine with white birch and spruce from two to six inches in diameter. Interspersed are small tracts or clumps of larger timber of good quality from ten to fifteen inches in diameter, having escaped the general conflagration.

The original jack pine forest still remains on lots one and two and eight, nine and ten in concessions one and five. This jack pine will supply a considerable quantity of excellent timber for railway ties. Mixed timber of the original forest covers the unburned parts of lots one, two and three in concessions three, four and five, also lots eleven and twelve in concessions one, two, three, four, five and six. This timber, which comprises spruce, banksian pine, poplar, balsam and tamarac, with a few cedars of excellent quality, will be found valuable as the lands in the vicinity come into demand.

#### *Minerals.*

The rock exposures are of Huronian formation and consist of diorites, schists, etc. No indications of economic minerals were seen.

#### *Waters.*

Numerous lakes and small streams of good water furnish ample water supply, but no water powers are to be found. The lakes in the central part of the township are shallow, with muddy bottoms, and low, marshy shores. In the smaller lakes, named Andrews, Grave and Stock, the water is deep, clear and of excellent quality.

#### *Game and Fish.*

Moose, bear, otter, beaver and partridge are fairly plentiful, but the absence of fish is a notable feature in this section.

#### *Summary.*

About fifteen to twenty per cent. of the whole township may be considered desirable for agricultural purposes. When railway facilities are obtained a fair amount of timber will be made available.

Accompanying this report are a general plan, timber plan and field notes of the subdivision and traverse.

I have the honor to be,

Sir,

Your obedient servant,

(Sgd.)

T. B. Speight,

Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(Appendix No. 51.)

TOWNSHIP OF SHERATON, DISTRICT OF NIPISSING.

Bracebridge, Ontario, December 27th, 1904.

SIR,—I have the honor to submit the following report on the survey of the township of Sheraton, in the District of Nipissing, under instructions from your Department dated the seventh day of July, A.D. nineteen hundred and three.

A portion of the work was performed in the month of September, nineteen hundred and three, and the remainder completed during this season.

At the time of commencing the survey I found it would be difficult to transport supplies to the east side of the township, on account of the extremely rainy season, and it was deemed advisable to commence near my base of supplies, at the southwest angle.

I therefore ran the side lines north from the posts on the south boundary planted by myself, and ran the concession lines east starting from the posts which had been planted on the west boundary by Mr. Speight, Ontario Land Surveyor.

Substantial wooden posts were placed along the concession lines and at the intersection of the side lines with the north boundary, the posts at all side lines being marked with the number of the concession on the north and south sides and the number of the lots on the east and west sides, while the posts at the division lines between the lots of each block were not marked on the south side.

Iron posts three feet long, and one and one-quarter inches in diameter were planted alongside the wooden posts on the fourth concession line, at the east boundary, and at the side lines between lots six and seven, and a similar iron post had been planted at the west boundary by Mr. Speight.

The northeast angle of the township is marked by an iron post and a cedar post planted by Mr. Shaw, Ontario Land Surveyor, these posts were marked by me Lot 1, Con. VI, Sheraton.

The country is fairly well watered with small creeks containing water of good quality, the drainage of the easterly portion is northerly to the Abitibi River and in the westerly portion the streams flow towards Night Hawk River, the flow of water in all the streams is gradual, with no abrupt falls or rapids and there are no available water powers.

The southerly portion of the township is flat and swampy, thickly timbered with spruce, balsam, tamarac, white birch, poplar and cedar.



A considerable area of rolling, sandy land extends from concession one to concession six in the westerly part, on which area the principal timber is jack pine and spruce from four to twelve inches in diameter.

The greater portion of the township is good agricultural land. Extending north and south through the central portion is a level tract of clay and clay loam which would appear to be a continuation of the Abitibi River clay belt and is apparently well adapted for agriculture.

On this portion the timber is of fair size from six to eighteen inches in diameter, the most valuable timber being spruce, poplar and white birch.

Towards the eastern boundary the country is more broken and rocky with some abrupt exposures of Huronian rock in concessions three and four.

There are no settlers or improvements in the township.

Accompanying this report are a general plan, timber map and field notes of the survey.

I have the honor to be,

Sir,

Your obedient servant,

(Sgd.) W. Galbraith,

Ontario Land Surveyor.

To the Honcrable the Commissioner of Crown Lands, Toronto.

*(Appendix No. 52.)*

TOWNSHIP OF BURT, DISTRICT OF NIPISSING.

Stratford, Ontario, December 29th, 1903.

SIR,—I have the honor to submit the following report on the survey of the Township of Burt, in the District of Nipissing, performed under instructions from your department dated the twenty-first day of July A.D. nineteen hundred and three.

We proceeded to the township by rail via Mattawa as far as Temiscamisque, Quebec, thence by steamer to the head of Lake Temiscamisque where we transferred to a smaller steamer, and were taken up the Blanche River to Tomstown near the east boundary of the township of Evanturel. thence by canoes, still following the Blanche River and the south branch of the same with a chain of lakes, to within about five miles of the southeast angle of the township of Burt. From Tomstown to the foot of Long Lake near the westerly limit of the township of Daek is a fairly good canoe route except that from about lot ten in the fourth concession of Evanturel to about lot eleven in the fourth concession of Daek. There is a considerably swift current and several falls necessitating towing of canoes and the making of nine portages, one of which is quite difficult owing to its length and steepness. However, the new road which is about completed between Tomstown and the foot of Long Lake will remove the necessity in the future of taking the above river route. The canoeing was first class from the foot of Long Lake to the head of Lake Kushog near the southeast angle of the Township of Gross. From the head of Kushog Lake we followed the south branch of the Blanche River as far as the southerly part of lot six in the fourth concession of Gross, where we were compelled to abandon the river on account of the numerous log jams. We then cut a trail northerly striking the Township of Burt on the south boundary of lot five in the first concession. Having reached the southeast angle of the Township of Burt we re-opened and re-chained the south boundary and began the actual survey of the township from Ontario Land Surveyor Niven's second mile post between lots four and five in the first concession.



In most instances the posts were found in good condition, and as long sights could be had on the boundaries they were used as base lines from which I turned off angles and carried on the work of survey. I marked the iron posts on the northeast, southeast and southwest angles, and planted a new iron post on the northwest angle of the township, and marked them in accordance with instructions with the name of the township facing it. I also planted iron posts three feet long and one and one-quarter inches in diameter at the centres of the four boundaries, and also at the centre of the township in accordance with instructions.

A fair portion of the whole township is comparatively level, chiefly low lying. In the northwestern portion, however, and also in the southeastern portion the township is more broken, being quite rolling and rocky.

There are seven lakes in the township, but these are all small excepting one in lots eight and nine in the fifth concession. This lake is about one and one-half miles from the Blanche River and is connected with the river by quite a large stream.

The Blanche River leaves the township on lot ten in the first concession and enters it on lot twelve in the fourth concession. The river has many windings and turnings and is almost entirely obstructed by numerous log jams. If these jams were removed (which could be easily done) the river would afford an excellent canoe route. The river is about sixty feet wide and averages six feet deep with clay banks about four feet high. There is a level tract of land on each side of the river for a distance back of from twenty to thirty chains. The township is well watered by numerous small creeks and rivulets.

Only a small portion of the whole area is good agricultural land. There is sufficient sand in the clay to make the soil easily worked. There is very little of the township too wet and swampy to be utilized, while there are considerable portions too rolling for agricultural purposes, the soil being principally a shallow covering of sand over stone and rock. All kinds of soil can be had in this township, clay, clay loam, sand and gravel. The township will be generally adapted for mixed farming and grazing.

There is quite a considerable quantity of merchantable timber along the Blanche River. There is considerable spruce, tamarac and cedar, ranging from six to sixteen inches in diameter. In lots one, two, three, four and five in concession three, four and five there is considerable spruce, banksian pine, white birch, tamarac, poplar and balsam of fair size and quality. The remainder of the township being covered with a small vigorous second growth from three to eight inches in diameter, following brûlé from about twenty-five to thirty years of age.

There were no indications of minerals and the magnetic variation was uniform throughout at about eight and one-half degrees west.

The geological formations met with are the Huronian and Laurentian.

The lakes abound with fish.

Partridges, moose and beaver are quite numerous.

No attempt at settlement has been made.

Accompanying this report are a general plan, a timber plan, and field notes of the entire survey.

I have the honor to be,

Sir,

Your obedient servant,

(Sgd.)

Angus Smith,

Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

*(Appendix No. 53.)*

## TOWNSHIP OF HOLMES, DISTRICT OF NIPISSING.

Stratford, Ontario, December 30th, 1903.

SIR,—I beg to submit the following report on the survey of the Township of Holmes, in the District of Nipissing, performed under your instructions dated the twenty-first day of July, A.D. nineteen hundred and three.

The survey was performed in conjunction with the survey of the Township of Burt which it adjoins to the west, and which I have already reported upon.

We reached the township as described in my report on the survey of the township of Burt, and commenced work at the southeasterly angle.

The boundaries having been surveyed previously were readily traced upon the ground. The wooden posts were found standing and in a good state of preservation, and beside each of the posts at the angles except the one at the southeast angle and the northeast angle, I planted iron posts furnished by your department for the purpose and marked them as directed in the instructions, with the name of the township facing it. I planted iron posts three feet long and one and one-quarter inches in diameter on the centre of each of the four boundaries excepting the south boundary, and one in the centre of the township, in accordance with instructions.

As long sights could be had on the boundaries they were used as base lines from which I turned off angles and carried on the work of the survey. I re-opens, re-blazed and chained the south boundary commencing at the southeast angle of the township. I began the actual survey on the south boundary running north on the line between lots two and three.

The character of the soil varies. The northeast portion of the township is of a sandy nature, that in the northwest undulating with low flat land interspersed with a rocky surface, while that in the southeastern portion is more level, the southwestern portion is rather broken, also having quite a number of lakes as shown on the accompanying plan.

About forty per cent. of the whole township is comparatively level, and is adapted for mixed farming, although the township will never be a first class agricultural township. The surface varies from swampy land and sandy and clay flats to sandy knolls and stony hills and rocky ridges, and will be best suited for grazing purposes. In many places the soil on the rocky land is very shallow.

The township is well watered by numerous streams and water courses, also the south branch of the Blanche River passes through the northeast portion of the township. There are a number of lakes in the southwestern portion of the township, two of which are quite large and are filled with different kinds of fish.

There are evidences that there was large timber in the township at one time, but this has been burned off a number of years ago, and there is now a vigorous second growth of spruce, balsam, birch, poplar, banksian pine and cedar.

Among the river flats and in the southwestern portion of the township there is the largest timber ranging from six to twelve inches in diameter. In other places in the township the size ranges from four to eight inches in diameter.

There were no indications of minerals. The rock is of the Huronian and Laurentian formation. The magnetic variation was quite regular being eight and one-half degrees west.

Partridge, moose, and bear are the principal game.

There are no settlements and there are no valuable water power sites.

Easy communication could be had with the settled portion of the district by clearing the Blanche River of drift-wood which could be done at a light expense.

Herewith are submitted a general plan, a timber plan and field notes.

I have the honor to be,

Sir.

Your obedient servant,

(Sgd.)

Angus Smith,

Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(Appendix No. 54.)

TOWNSHIP OF PENSE, DISTRICT OF NIPISSING.

Ridgetown, Ontario, December 30th, 1904.

SIR,—I have the honor to submit the following report on the survey of the township of Pense, in the District of Nipissing, performed under instructions dated June the thirteenth, Anno Domini, nineteen hundred and four.

Leaving Ridgetown on the first of August last, we proceeded by rail to Temiskaming, thence up the lake and Blanche River. Having found the southwest corner of our township, I planted an iron post marking it on the northeast side Pense, on the northwest side Ingram, on the southeast side Brethour, and the southwest Hilliard. The lot and concession on the north and east side.

I then measured east along the south boundary, planting posts to mark the lots, and ran each alternate lot line north astronomically, planting posts at their intersection with the concession lines. Iron posts of the large size one and seven-eighths inches in diameter, were planted at the other three corners of the township marking the same with the name of the surrounding townships, and the lot and concession. Three of the small iron posts one and one-quarter inches in diameter were planted in the line between lots six and seven on the south boundary, on the front of the fourth concession, and on the north boundary. The other two were planted on the front of the fourth concession on the east and west boundaries respectively. The concession lines were run east astronomically from the west boundary.

The land is very rough along the Otter Creek, it being badly cut up with ravines, but apart from this section, with the exception of a few rocky outcrops, is quite level and easily drained by the numerous creeks throughout the township. The soil is of a clay and black muck nature.

The timber is of a fair size, being composed chiefly of spruce, cedar, tamarac, balsam, poplar and birch. There is a fine stretch of white and



red pine in the sixth concession. Lots one, two and three, extending into lot one, in the fifth concession.

No minerals were found during the survey but in many places local attraction was great.

Otter Creek enters the township on the fifth concession running in a southwesterly direction. It has a very swift current. There is only one small lake, it being in the fourth concession, on lots two and three.

Moose, caribou and black bear were seen. Partridges were also plentiful.

The mean variation of compass was nine degrees west of north.

Accompanying this report will be found a plan of the township, field notes of the survey and accounts in triplicate. All of which are respectfully submitted.

I have the honor to be,

Sir,

Your obedient servant.

(Sgd.) Thomas Scane,

Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(Appendix No. 55.)

TOWNSHIP OF COLEMAN, DISTRICT OF NIPISSING.

New Liskeard, Ontario, September 24th, 1904

SIR,—In accordance with instructions issued to me, dated May sixteenth A.D. nineteen hundred and four, to survey the Township of Coleman, in the District of Nipissing, into lots of three hundred and twenty acres each, I beg to report as follows:—

The Township of Coleman lies south of the Townships of Bucke and Firstbrook and west of the Township of Lorrain. It is crossed by the Temiskaming and Northern Ontario Railway, which enters it where Bay lake empties into the Montreal River and leaves it at lot three, concession six. There is also a wagon road from Martineau Bay on Lake Temiskaming across Lorrain entering Coleman on lot one, concession five. There is also another wagon road from the Town of Haileybury through the Township of Bucke entering Coleman on lot ten, concession six, and thence to Portage Bay. This latter route affords a starting place for tourists, who can take canoe at the head of Sharpe Lake. There is a short portage into Mud Lake and another from Mud Lake into the Montreal River.

The survey was begun at the post planted by Mr. Niven, Ontario Land Surveyor, on the west boundary of the township of Lorrain where the same is intersected by the line between concessions eleven and twelve in said township. An observation was taken here and the line between concessions five and six was run due west astronomically to the west boundary of the township. The lots fronting on this line were each made forty chains in width except lot eighteen and the lots adjacent to the mining locations. There are no trees blazed on that portion of the line crossing the mining locations, the station grounds at Cobalt Lake and the town site of Cobalt. The post marking the west boundary of the town site of Cobalt was planted



two hundred and forty chains west of the west boundary of the township of Lorrain.

The west boundary of the township was run due south astronomically from the post planted by Ontario Land Surveyor G. A. McCubbin, marking the southwest angle of lot six, concession one of the township of Firstbrook, until Portage Bay was reached. The line between concession four and five was started from the post planted by Ontario Land Surveyor Alexander Niven on the west boundary of the township of Lorrain where the same is intersected by the line between concessions ten and eleven of the said township. This line was run due west astronomically until the southward production of the east boundary of mining location RL four hundred and eight was reached.

The side lines were run due north and south astronomically from the proper posts planted on the line between concessions five and six to the north and south boundaries of the township respectively.

The lines between concessions one and two, two and three were located by chaining south in each case from the next concession line north.

The lines marking the northeasterly and northwesterly boundaries of Messrs. Lumsden & Booth's timber berth were reopened, reblazed and re-chained. The east boundary of the township was reopened but not reblazed. That portion of it lying south of the line between concessions seven and eight in the township of Lorrain was re-chained. The east boundary of mining locations RL four hundred and two, four hundred and three, four hundred and five and four hundred and eight was reopened, reblazed and re-chained. No post was found to mark the southeast angle of mining location RL four hundred and three. The south boundary of mining location RL four hundred and seven and four hundred and eight was reblazed. The north boundary of the town site of Cobalt was run due west astronomically from the post marking the southwest angle of mining location RL four hundred.

The traverse of the lakes and the Montreal River was done by means of stadia measurements and azimuths of the traverse lines were derived from and checked by the various concession lines and side lines cutting the lakes. In keeping the traverse notes, north astronomically was assumed to be three hundred and sixty degrees, and the bearings were reckoned through, east ninety degrees to three hundred and sixty degrees.

The magnetic variation in the township was found to be very irregular. When apparently under no local influence it was north nine degrees forty-five minutes west. As shown by the notes the variation frequently varies several degrees from this. Near Iron Lake, in lots seventeen or eighteen, concession six, the needle was observed to swing completely round.

The entire area of the township has been under license to Messrs. Gillies Brothers and J. R. Booth, as timber berths, consequently the red and white pine has been practically all removed. In the easterly part of the township there are several areas of good cedar. There are also considerable quantities of jack pine, spruce, balsam, white and black birch and poplar throughout the township. Portions of lots eleven, twelve and thirteen in concession six, and ten, eleven, twelve and thirteen in concession five, and lots eleven, twelve, thirteen and fourteen in concession four are not timbered.

The greater part of the township is rocky or extremely stony and hence unfit for agricultural purposes. However, portions of lot two and the greater part of the north half of lot three in concession six, also a portion of lots ten and eleven in concessions four and five, and part of lots twelve, thirteen and fourteen in concessions three, four, five and six and part of lots

eighteen and nineteen in concession eleven and a portion of the reserve in concession one, may be passed as agricultural land fit to produce ordinary farm products, amounting in all to fifteen per cent. of the area of the township.

The township throughout is well watered by lakes, creeks and springs and the water is of excellent quality. There are no water powers in the township except those on the Montreal River. There is a dam on Mill creek where it crosses the east boundary of the township, but the supply is uncertain and at no time great. The fall on the Montreal River at the rapids opposite lot fourteen was found to be six feet, five inches, and one opposite lot fifteen was found to be four feet, ten inches.

Outcroppings of rock occurred constantly throughout the whole township except that portion lying near Mud Lake, Loon Lake and the upper part of Loon Creek where only occasional outcroppings were met with. Economic minerals were not met with except those on the various mining locations shown on the plan, that is, R. L. four hundred and four, J. S. fourteen, J. B. one, two, three, six and seven and a vein discovered by Mr. Longwell southwesterly from J. B. six. These locations have deposits of silver, cobalt, arsenic, bismuth, and lead. Asbestos of a poor quality was found at the southwest corner of lot three, concession six. A vein carrying cobalt was also found on the same lot. Indications of copper were also found near Bay Lake.

The islands met with in the lakes and Montreal River were numbered successively from one upwards. The numbers were marked in Roman numerals on a blazed tree in each case.

Island number one is unfit for either pleasure or agriculture

Island number two, blaze on ten inch spruce at north side of island. Island suitable for pleasure. Area three square chains.

Island number three, blazed on eight inch pine northeast side of island. Area small, unsuited for agriculture or pleasure.

Island number four is merely a bare rock.

Island number five, blaze on twelve inch pine. Area three square chains. Island suitable for pleasure.

Island number six, blaze on seven inch spruce. Island small and swampy, and unsuited for either agriculture or pleasure.

Island number seven, blaze on nine inch spruce. This island contains about two acres and is well suited for pleasure. It is about half covered with small birch, balsam and spruce. The other half is cleared. Area one and one-half acres.

Island number eight, blaze on white birch. Area ten acres. Well suited for agriculture. It is timbered with red pine, cedar, balsam and spruce.

Island number nine, blaze on twelve inch red pine. This island contains about two square chains and is suitable for pleasure.

Island number ten, blaze on fourteen inch red pine. This island contains about two square chains and is suitable for pleasure.

Island number eleven, blaze on white pine. Area small, suitable for pleasure.

Island twelve, blaze on birch, small, suitable for pleasure.

Island thirteen, blaze on ten inch red pine. Suitable for pleasure.

Island fourteen, blaze on twelve inch white pine. Small, not suitable for pleasure.

Island fifteen, blaze on four inch cedar. Almost a point of bare rock.

Island sixteen, blaze on eight inch spruce. Island is rocky, covered with cedar and balsam. Contains one-quarter acre, suitable for pleasure.

Island number seventeen, blaze on ten inch red pine. Island is rocky. Covered with pine, cedar and balsam, suitable for pleasure. Area two square chains.

Island number eighteen, blaze on twelve inch white pine. Island is rocky covered with pine, cedar and balsam. Area two square chains, suitable for pleasure.

Island number nineteen, blaze on twelve inch white pine. Small, suitable for pleasure.

Island number twenty, blaze on six inch cedar, small and rocky, unfit for pleasure or agriculture.

Island twenty-one, blaze on six inch cedar at north end of island. Covered with pine, cedar, balsam and spruce. Well suited for pleasure. Area six square chains.

Island number twenty-two, blaze on eight inch jack pine. Rocky, covered with cedar, balsam, spruce and pine. Area four square chains. Not well suited for pleasure.

Game throughout the township is abundant. Moose, red deer, bears and wolves were common. Partridges were plentiful. The lakes, except Cobalt Lake, abound with fish.

On July sixth there was a frost, which however did no damage to vegetation. No other frost was noted during the survey.

I have the honor to be

Sir,

Your obedient servant,

(Sgd.) W. J. Blair,  
Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

---

(Appendix No. 56).

TOWNSHIP OF DEWART, DISTRICT OF RAINY RIVER.

Port Arthur, Ontario, January 25th, 1904.

SIR,—I have the honor to submit the following report on the survey of the Township of Dewart, in the District of Rainy River, as sub-divided by me during the season of nineteen hundred and three.

On September twenty-sixth I began to re-survey the north boundary of Sifton, which forms the south boundary of this township, joining the posts placed by Ontario Land Surveyor Dobie, by well blazed lines, making the front width of lots in concession one, in the Township of Dewart, forty chains, leaving all excess in lot twelve, which I found to be fifty chains ten links. I then proceeded to lay out the township in the usual way, planting posts of the most durable wood obtainable and placing stone around the posts wherever available. I also marked and planted the iron posts in their proper places at the angles of the township, with its name and that of the adjoining townships facing the proper direction.

The surface of this township is slightly undulating and toward the northeast corner, the country is quite rough and broken.



The soil is mostly clay and in places sandy with some stone. With the exception of lots five and six, concessions four and five, the northeast quarter of the township contains only small areas of good land in the depressions, principally along Splitrock River, sand and rock exposures being the chief characteristics.

There will be sixty per cent. of the total area good for agricultural purposes.

Fire has destroyed nearly all the valuable timber, but the pine on Timber Berth twenty-five, situated along the east side of the township, and narrow strips of tamarac and spruce on the low ground and the ground is now covered with a thick growth of small poplar, willow, alder, and in places tamarac and spruce. In the northeast quarter there is a dense growth of scrub jack pine on the dry land, willow and alder in the low ground.

The rock formation is granite, in the south and west is rarely exposed but to the northeast the exposures are frequent.

No minerals of economic value were met with.

Large game such as deer, moose and bear seemed to be plentiful, while rabbits and partridge were abundant. Also some beaver and wolves.

No settlers were located in this township.

Accompanying this report is a general plan, timber plan and field notes of the survey.

I have the honor to be,

Sir,

Your obedient servant,  
(Sgd.) A. Lougheed,

Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

---

(Appendix No. 57).

TOWNSHIP OF TOVELL, DISTRICT OF RAINY RIVER.

Port Arthur, Ontario, January 29th, 1904.

SIR,—I have the honor to submit the following report on the survey of the Township of Tovell in the District of Rainy River, as sub-divided by me during the season of nineteen hundred and three, under instructions from your department, dated August first, nineteen hundred and three.

On Aug. nineteenth, I commenced work at the northeast corner of the Township of Sutherland, chaining west along the north boundary thereof, planting posts at every forty chains, leaving all excess in lot twelve which I found to be fifty-nine chains fifty-eight links. I then proceeded to lay out the township in the usual way, planting posts of the most durable wood obtainable, and wherever possible, piling stones around them. I also marked and planted the iron posts in their proper places at the angle of the township with its name and that of the adjoining townships facing the proper direction.

The surface of this township is generally level, with sufficient slope toward the creeks to later afford good drainage. Toward the west on concessions three, four, five and six the ground rises and is quite undulating with rock exposures at the highest points.



The soil is mostly clay of a good quality, containing in places some stone and occasional out-crop of rock. At least seventy-five per cent. of the area will be fit for agricultural purposes.

Several small streams, tributaries of the Little Grassy River, meander through the township giving a reasonable water supply. I also saw a few springs.

The westerly half of the township is thickly timbered with poplar, jack pine, tamarac and spruce, and an occasional white or Norway pine, and also along the streams balm of gilead of large size are to be found. The easterly half has been run over by fire and with the exception of a portion of lot one, concession one, where there is some green pine and cedar, and parts of lots one and two, concessions two and three where there is green tamarac and spruce, no timber of commercial value is to be found. In the swampy parts there has been a thick growth of tamarac, spruce and cedar which now forms an almost impenetrable slash, with small growth of willow and alder. The dry portions are thickly covered by small poplar, willow and alder and some jack pine of not more than fifteen years growth.

The under-lying rock formation is a granite, which has been subjected to very slight lateral pressure, the exposures rising slightly above the alluvial covering and dipping at small angles.

No minerals of economic value were encountered.

Large game such as moose, bear and deer seemed to be plentiful, rabbits, partridge and prairie chicken were abundant.

No settlers had located in this township.

Accompanying this report is a general plan, timber plan, field notes of the survey.

I have the honor to be,

Sir,

Your obedient servant,

(Sgd.)

A. Lougheed.

Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

---

(Appendix No. 58).

TOWNSHIP OF BRITTON, DISTRICT OF RAINY RIVER.

Toronto, Ontario, January 25th, 1904.

SIR,—I have the honor to submit the following report on the survey of the Township of Britton, in the District of Rainy River, performed by me under instructions from your department, dated twenty-seventh of June, nineteen hundred and three.

This township is bounded on the south by the township of Wainwright, on the west by the township of Rugby, on the north by the township of Rowell, the sub-division of which is included in the instructions above mentioned, and on the east by unsurveyed lands of the Crown.

I organized the necessary party at Dryden on August fourth, and proceeded on the following day to the north limit of Wainwright. We took in our supplies by wagon as far as the front line of concession five, Wainwright, following the side line between lots six and seven. We then cut out

the remainder of the line between those lots and packed our supplies along it to the north boundary of Wainwright.

Beginning the survey at this point, I re-traced and opened up the north boundary of Wainwright and re-chained it, planting posts at the necessary points thereon.

At the northeast angle of the township of Wainwright I found an iron post, and on its south side a pitch pine post with the marking and bearing tree as described in the instructions. To the marking on the iron post I added the marking Lot 1 on the west side, Con. 1 on the north side, and "Britton" on the northwest side. I also planted a new pitch pine post five inches in diameter on the north side of the iron post and marked it with the lot, concession and township in the same manner as the additions to iron post.

Taking the necessary astronomical observations at the commencement, as well as at intervals throughout the work, I proceeded to sub-divide the whole township into regular lots of forty chains in breadth and eighty chains in depth, with an area of three hundred and twenty acres each, as nearly as practicable, planting posts of as durable wood as could be obtained at all front angles of lots. In addition to the wooden posts I planted iron posts one and seven-eighths inches in diameter and three feet long, as supplied by the department, at the northeast angle of this township and at the intersection of its north boundary with the eastern shore of Pelican Lake. Similar iron posts, but with a diameter of one inch, were planted at the following lot corners, namely, the northeast angles of lots one and seven respectively in concession three, the northeast angle of lot seven in concession six, and the southeast angle of lot seven in concession one.

All these iron posts were marked in a manner similar to the wooden posts, and I further added the required marks to the iron post found at the intersection of the west boundary of the township of Britton with the southern shore of Pelican Lake, as well as to that at the southwest angle of the township.

I did not re-chain the west boundary but calculated the depths of the concessions thereon from the copy of Ontario Land Surveyor Macdougall's notes furnished me and my closings upon the posts found.

All the concession lines and alternate side lines were run by the transit and well opened out and blazed.

#### *General Features.*

The southern half of this township is comparatively level and covered with scrub and second growth jack pine, while the northern half is chiefly broken and hilly, particularly in the vicinity of the larger lakes, and timbered with spruce, poplar and balsam.

#### *Soil.*

About two-thirds of the total area is good clay soil, the remainder being outcroppings of granite in concessions four, five and six, with fertile valleys between.

#### *Timber.*

There is no considerable quantity of merchantable timber, as brule, about fifteen years standing covers the greater part of the township. More recent fires, probably about seven or eight years ago, have over-run the western and northern parts. In the western half of concession one and extending into the lower part of concession two, a block of second growth

jack pine, poplar, spruce and balsam comprises timber from four to ten inches in diameter, a fair proportion of which would serve for ties and cordwood. Another block similar in character, but with timber of somewhat larger growth, occupies about half of the northeast quarter of the township.

#### *Water.*

Gull River, a stream about fifty links in width and three feet in depth, with clay banks from six to ten feet high, forms a waterway through the southeast quarter of the township, and flowing southerly carries the waters of Gull Lake to the Wabigoon River. Its average current is three miles an hour, but the channel is so choked with fallen timber resulting from forest fires, that navigation above the north boundary of the township of Wainwright is at present impossible. No fall of any noticeable height occurs on this stream within the limits of my survey.

Pelican River, which forms the outlet of Pelican Lake, leaves the lake at the north boundary of lot twelve in concession two, and flows southwesterly through that lot, emptying into Wabigoon River in the township of Eton. Its width is from one and one-half to two chains, and depth about three feet. Sloping banks about twenty feet in height define the channel. An almost clear fall of nineteen feet occurs immediately at the outlet of Pelican Lake. From measurements and levels taken by me I estimate approximately the available horsepower at four hundred and fifty-two in its natural state. The high confining banks render this power capable of easy development. In the accompanying traverse notes I have set off an area of ten acres as a suggested reservation for the development and working of the power.

Wickens Lake, which is situate in the western parts of concessions four, five and six, is an irregular shaped body of water with low-lying shores on the north, south and southwest, but high rocky hills on the northwest and northeast, reaching a maximum altitude of about two hundred feet. Cook Lake, on lots five and six, in concessions five and six, has low-lying shores to the north, south and east, but is flanked by a high ridge on the west. Marshy Lake, which is almost bisected by the west boundary of lot twelve in concession five, is surrounded by low, marshy shores, hence its name. The water in all three of these lakes is tinged by the clay soil.

In addition to the streams and lakes above mentioned, the township is well watered by numerous small streams of fresh water, the whole being tributary to the Wabigoon River..

#### *Minerals.*

No indications of valuable minerals were seen and the magnetic variation, which was frequently noted, was found to be uniform throughout at about seven degrees and fifteen minutes east.

#### *Game.*

Moose, bear and caribou were numerous, particularly the former, and occasionally red deer, mink and fresh signs of the operations of beaver were seen. Pike and some of the smaller varieties of fish were plentiful in Wickens Lake.

No attempt at settlement has yet been made in this township, but the rich agricultural soil in the southern part and valleys of the northern part, together with the comparative proximity of the Canadian Pacific Railway



and the rapidly increasing demand for farm lands near Dryden render an early influx of population more than probable.

Accompanying this report are a general plan, a timber plan and field notes of the entire survey.

I have the honor to be,

Sir,

Your obedient servant,

(Sgd.) A. T. Ward,

Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(*Appendix No. 59.*)

TOWNSHIP OF ROWELL, DISTRICT OF RAINY RIVER.

Toronto, Ont., 24th December, 1904.

SIR,— I have the honor to submit the following report on the survey of the township of Rowell, in the District of Rainy River, executed by me under instructions from your Department bearing date the twenty-seventh day of June, nineteen hundred and three.

This township is bounded on the south by the township of Britton, the survey of which formed a part of the instructions above referred to, and on the north, east and west by the unsurveyed lands of the Crown.

Having completed the survey of the township of Britton, as previously reported, about the end of September, nineteen hundred and three, I proceeded with the survey of the township of Rowell by continuing the lines from the south through the first concession in the latter township. The fronts of concessions two, three and four were then run due east from the west boundary, which had been previously surveyed by Ontario Land Surveyor Niven, and the alternate side lines of lots were turned off from the concession lines.

By the twenty-fourth of October, when about half of the township of Rowell had been surveyed, the setting in of winter closed the waterways and I was obliged to defer the completion of the work until the following summer.

I returned to the district on the seventh of August, nineteen hundred and four, and resumed the survey by taking an astronomical observation at the southeast angle of the township, and then ran the east boundary due north to close on the north boundary, which is formed by a base line run in eighteen ninety-seven by Ontario Land Surveyor Niven.

The subdivision of the whole township into lots of forty chains by eighty chains, with an area of three hundred and twenty acres each, as nearly as practicable, was effected by lines run from the various lines above described.

Concession six has, however, a surplus in depth of from sixteen to seventeen chains, as was to be expected from the notes of the west boundary furnished me.

Wooden posts of as durable material as could be procured were planted at all front angles of lots, and were marked for the various lots and concessions which they were intended to define. In addition to the wooden posts, iron tubes supplied by the Department were planted at the following cor-



ners, namely, at the intersection of the front line of concession four with the east and west boundaries of the township and at the intersection of the line between lots six and seven with the north and south boundaries. These also were properly marked.

At the southeast angle of the township and at the intersection of the south boundary with the eastern shore of Pelican Lake, I added the name "Rowell" with its concession and lots to the wooden and iron posts there found, and at the northwest angle I planted a new iron post with the name "Rowell," also lot 12, con. 1, marked thereon, the old post planted by Ontario Land Surveyor Niven not having sufficient blank space available for the required marking. For the northeast angle of the township I planted both wooden and iron posts, marking each with the names of the township, concession and lot.

Bearing trees, wherever available, were marked and noted.

#### *General Features.*

The township of Rowell, as a whole, is rugged, broken and rocky, not more than five per cent. being available for agricultural purposes.

The Wabigoon River, by means of Pelican Lake and Pelican River, drains the section of which this township forms part.

Access from the Canadian Pacific Railway is at present to be had by two or three different routes. The shortest route is by a wagon road running north from Oxdrift Station about three and a half miles to the Wabigoon River, and thence by canoes through that and Pelican River and Pelican Lake. Another route is by canoes from Dryden Station down the Wabigoon River and thence by Pelican River and Lake. Both the river routes mentioned have the disadvantage of a number of portages, and it is probable that in the future the present wagon road running from Dryden to a point in concession five in the township of Wainwright will be extended to and through the township of Britton, thus connecting Rowell by a direct route.

Indians when travelling "light" sometimes use Wabigoon and Pelican Rivers as a short cut to Lac Seul from western points, and a trail which I opened out between Pelican and Good Lakes will improve the travelling.

#### *Timber.*

About two-thirds of the whole township is well timbered with banksian pine, spruce and tamarac, with occasional small areas of large birch and poplar.

Much of the timber will produce ties, pulpwood, fuel and some lumber of fair quality.

Recent brulé covers the western ends of concession one and the south half of concession two, and extends eastward in diminishing breadth to lot five.

Brulé of about thirty-five years age covers a similar stretch in concession three and four.

#### *Soil.*

As mentioned above, the greater part of this township is rocky, bluffs rising in places from one hundred to two hundred feet. In the bottoms of intervening valleys small areas of clay and occasional patches of sandy soil were seen, but generally of too small extent to be of service for farming.

*Minerals.*

The formation being wholly granite, no indications of economic minerals were found.

*Water.*

About the western half of Good Lake lies within this township and extends from the east boundary across lots one, two, three, four and five in concessions two, three and four. A creek about fifty links in width runs southwesterly in a very devious course emptying the waters of Good Lake into Pelican Lake. Sunday Lake, McDonald Lake, Narrow Lake and Twin Lakes are the only other bodies of water of any note. No water powers were met with. Three small islands in Good Lake were traversed, but they are all small and of little importance.

*Game.*

Moose, caribou and bear are found in considerable numbers. Beaver seem to have been very numerous in the past, but are now scarce.

Other fur bearing animals, such as mink, martin, lynx, foxes, etc., are plentiful. A few wolves still exist in this section.

Pike and pickerel are plentiful in the lakes mentioned.

There are no evidences of settlement in the township.

Accompanying this report are a general plan, a timber plan and field notes of the entire survey.

I have the honor to be,

Sir,

Your obedient servant,

(Sgd.) A. T. Ward,

Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(*Appendix No. 60.*)

TOWNSHIP OF HARTMAN, DISTRICT OF RAINY RIVER.

Toronto, Ontario, December 16th, 1904.

SIR.—I have the honor to submit the following report on the survey of the township of Hartman, in the District of Rainy River, performed by me under instructions from your Department dated nineteenth September, nineteen hundred and three.

This township is bounded on the west by the township of Zealand, on the south by the township of Southworth, and on the north and east by the unsurveyed lands of the Crown. The nearest railway station is Dinorwic, on the Canadian Pacific Railway, and it is about one and a half miles south of lot eight in concession one.

Having been obliged, by the freezing of the waterways, to leave unfinished the survey of the township of Rowell, upon which I was engaged on the receipt of the above instructions, I proceeded with my party to Din-

orwic and thence by wagon road to the township of Hartman on the seventh of November, nineteen hundred and three.

The survey was begun at the northeast angle of the township of Southworth, where I found an iron post marked "Southworth" on the southwest side standing beside a pitch pine post marked "Con. VI." on the south side, "Lot I" on the west side. To the iron post I added the word "Hartman" on the northwest side, and at the north side of the same I planted a new pitch pine post marked "Hartman" on the northwest side, "Con. I." on the north side, and "Lot I" on the west side, and took an observation of Polaris for the purpose of running the east boundary of the township of Hartman.

I then reopened and rechaind the north boundary of the township of Southworth, planting wooden posts properly marked at the angles of all lots in concession one of the township of Hartman, except where mining locations occurred. In these cases the posts were planted on the boundaries of the locations as directed.

Returning to the southeast angle of the latter township I ran the east boundary north astronomically, planting marked wooden posts for the fronts of the several concessions except in the case of concession six, the front of which intersected the east boundary in Big Sandy Lake. The position of this corner was defined by a post planted on the southern shore of the lake and the distance from the true corner shown in the notes. An iron post one and seven-eighth inches was planted by me at the northeast angle of the township with its name facing the southwest.

I then proceeded to subdivide the township into regular lots of forty chains in breadth by eighty chains in depth with an area of three hundred and twenty acres each as nearly as practicable, by running all concession lines due west from the points so fixed, and the alternate side lines of lots due north.

By the time I had completed the eastern half of the township, including all the necessary traversing, the great depth of snow, unusual at that time of the year, made our progress so slow that I was compelled to abandon the work for the season on the fifteenth of December.

I returned to the district in August, nineteen hundred and four, and having completed the survey of the township of Rowell recommenced the subdivision of the township of Hartman on seventh September.

The system outlined above was continued and the work, including the north boundary of the township, completed early in October.

All lines were run by the transit, well opened out and blazed, and checked by astronomical observations as frequently as required. Posts of as durable wood as could be procured were planted at the front angles of all lots and properly marked for the angles which they defined. In addition, iron posts with proper markings, were planted as follows, namely:— at the intersection of the front of concession four with the east boundaries of the townships of Zealand and Hartman, respectively, and at the intersections of the line between lots six and seven with the north boundaries of the townships of Southworth and Hartman, respectively. I also added the word "Hartman" to the iron posts found at the southeast and northeast corners of the township of Zealand and planted new wooden posts beside them with the necessary marks for the concessions and lots in the township of Hartman.

In running the front line of concession two west and the side lines south therefrom it was discovered that the north boundary of the township of Southworth did not run due west and as a consequence there is a considerable deficiency in the depth of the west part of concession one. The



north boundary of the township of Hartman being run due east from the northeast corner of the township of Zealand, a surplus in the depth of concession six is the result.

The instructions required that the position of wagon road and railway survey lines should be noted and this was done. There are, however, three railway survey lines and as I had no means of determining which, if any, is the one for final location, they are all noted in the returns.

As directed by the instructions I did not chain the west boundary of the township but noted any differences between the closings of my concession lines thereon and the posts planted in the survey of the township of Zealand, the areas of lots affected thereby being calculated from the depths of concessions shown in the field notes of the township of Zealand.

#### *General Features.*

The southern and western parts of the township of Hartman are fairly level, with spruce and tamarac muskegs of considerable extent occurring at intervals. In the central part short, rocky ridges rise to a height of sixty to eighty feet. The remainder of the township may be termed rolling.

A water shed crosses the township diagonally to the south of Little Sandy Lake and divides the streams which empty into Wabigoon Lake from those flowing into Lake Minnetakia and thence into Lac Seul.

#### *Soil.*

About sixty per cent. of the whole area is very fair farming land. Clay and clay loam cover nearly the whole of concessions one, two and three, the central parts of concessions four and five and the central and eastern parts of concession six. The western ends of concessions four, five and six are principally sand and sandy loam, with the exception of an open, wet muskeg about one and a half square miles in area on the western end of concession six. To the east of Little Sandy Lake in concessions three and four the soil is sandy and generally covered with boulders, rendering it unavailable for agricultural purposes.

#### *Timber.*

The eastern one-third of concessions one to five has been burned over in comparatively recent years and the present growth is still in the underbrush stage. In the other two-thirds, with the exception of concession six and the greater part of concession five, the timber is of about thirty years growth and of little value except for fuel. It comprises banksian pine, spruce, tamarac, birch, poplar and balsam. Ties have been taken from the muskegs, so that nothing of any value but spruce now remains. This would furnish a fair amount of pulpwood if pulp works were established in the vicinity. In concession six and the greater part of five the same varieties and in about the above order of importance are found. It is, however, of older growth, and many of the trees reach a diameter of fourteen inches, so that a fair quantity of lumber for local use may be obtained.

Not more than a dozen white or red pine trees were seen in the whole township.

#### *Minerals.*

Outcroppings of rock occur at intervals throughout the whole township, those in the southern half being principally trap and schist. In addition to the six mining locations referred to in the instructions four others were found in the township.

Outside of the mining locations mentioned, no indications of mineralized rock were seen further than an occasional piece of float quartz. In the



northern half the outcropping rocks were chiefly granite and no indications of economic minerals were seen.

*Water.*

Little Sandy Lake near the centre of the eastern half of the township occupies about one and a half square miles, and a portion of Big Sandy Lake projects into lots one and two in concessions five and six. These lakes have generally high banks, in some places rocky, and contain good water.

Numerous small creeks take their rise and flow through the township, providing a supply of excellent water. Jack Fish Creek, about half a chain in width and with a depth of about three feet, crosses lots one, two and three in concession six and empties the waters of Jack Fish Lake into Big Sandy Lake.

*Game.*

Moose, bear, caribou and a few red deer are found in this section, and fur bearing animals such as the lynx, fox, mink and muskrat are present though not numerous. Partridge and rabbits were seen in large numbers. The lakes mentioned contain pike, pickerel and trout.

In conclusion I would say that this township is well suited for early settlement. It has a good percentage of desirable farm land, is easy of access from the Canadian Pacific Railway, having already a wagon road from Dinorwic Station and a winter road from Wabigoon. The route between Dinorwic and Lac Seul passes through it by way of Little Sandy Lake and Big Sandy Lake.

No settlers have as yet taken possession within its limits, which fact is doubtless due to the lack of survey, but the township of Zealand to the west of Hartman has already a fair number of homesteads.

Accompanying this report are a general plan, a timber plan and field notes of the entire survey.

I have the honor to be,

Sir,

Your obedient servant,

(Sgd) A. T. Ward.

Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(Appendix No. 61.)

TOWNSHIP OF REVELL, DISTRICT OF RAINY RIVER.

Rat Portage, Ontario, July 12th, 1904.

SIR,—Under instructions dated July twentieth A.D. nineteen hundred and three, authorizing me to survey the Township of Revell, and instructions issued May twenty-first, A.D. nineteen hundred and four, to finish the work and change the posts, I have surveyed the township and changed the posts.

I found the posts planted by Ontario Land Surveyor Niven, iron and wood, at the southeast and southwest corners and at the southwest corner of lot six and northeast corner of lot one, and wooden posts at the other corners on the south boundary.

On the south boundary the land is sandy, with rock and wet swamps after the first mile. No valuable timber along this line.

On the east boundary I found sand, swamp and rock and some clay land on the last mile running into the swamp a few chains to the west. I found no trace of posts or lines of mining locations V thirty-seven or V eighty-two, everything having been burnt some years ago. I ran tie line from the northeast corner of How Truss Bridge to northwest corner of mining location thirty-seven V, ran west to intersection with east boundary of Revell, putting a post in at southeast corner of mining location V eighty-two on the way and a post at the intersection of the north boundary of mining location V thirty-seven with the east boundary of Revell. I then measured south forty chains and put in a post at the intersection of the south boundary of mining location V thirty-seven with the east boundary of Revell.

I found no timber except small scrub on this line.

The rock on this line is gray granite, marked specimen number one, for about two and three-fourth miles, where it changes to a dark close grained rock, marked specimen number two, and at three and a half miles occurs another change to grey schist alternating with green schist marked respectively specimens numbers three and four. It is impossible to tell exactly where these changes occur for they seem to gradually merge, there being bands of both kinds of rock at the contact.

On the north boundary wet level muskeg, all through, except the last mile across eleven and twelve which is clay. The little lake at the northwest corner of number four has wet swamp all round it.

On line between concessions one and two, timber mostly scrub, some timber on lots seven and eight fit for firewood, clay soil on eleven and twelve clay and sand on lots numbers eight, nine and ten.

On line between concessions two and three, timber fit for cordwood on lots six, seven and eight, the remainder being scrub, clay and sand alternate on lots six and seven. ....

On line between concessions three and four, good spruce scattered in a narrow belt extending from the east boundary about one mile west, the balance runs through scrub. This line crosses the river several times.

Between concessions four and five some very wet boggy muskeg, no timber, no agricultural land.

Between concessions five and six level land, the eastern part being wet muskeg, and the western sandy plains with small jack pine.

I found a great deal of swampy land in the township, the portion through which the railway runs is sandy but level and should be productive with proper cultivation. The northern part is mostly muskeg, which probably would make good land if drained. The southwest part is easily cleared and will make good stock or dairy farms.

I took observations whenever the weather permitted which did not happen as often as I wished owing to the continued cloudy and sometimes wet weather.

Moose and caribou are very plentiful, and indications of their presence is everywhere apparent, also bears, beaver, partridges, and along the railway prairie chickens.

I have the honor to be,

Sir,

Your obedient servant.

(Sgd.) Edmund Seager,

Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

(Appendix No. 62).

TOWNSHIP OF DANCE, DISTRICT OF RAINY RIVER.

Fort Frances, Ontario, November 6th, 1904.

SIR,—I have the honor to submit the following report on the survey of the township of Dance, in the District of Rainy River, performed under instructions from your Department dated the thirteenth day of June A.D. nineteen hundred and four.

The township is bounded on the south by the township of Burriss, on the west by the township of Kingsford, on the north by line run in eighteen hundred and ninety-two by Ontario Land Surveyor Alexander Niven, and on the east by unsurveyed lands.

I commenced work on the fifteenth day of August, entering the township by way of Rainy Lake, proceeding up Wasaw Creek to Wasaw Lake, a portion of which lies within the township. Having cleared out and re-run the north boundary of the township of Burriss, I commenced work at the iron post planted by Ontario Land Surveyor Alexander Niven, and marking the northeast angle of the township of Burriss, and northwest angle of the township of Miscampbell. Having taken an observation of Polaris at elongation, I ran due north astronomically for the east boundary, and ran the several concession lines west astronomically as directed. The side lines were laid out north astronomically and all posts, wooden and iron, were marked and planted as directed, stone mounds being erected where possible and bearing trees marked where practicable.

The position of the iron posts planted is as follows:—

At the southeast, southwest and northwest angles of the township.

At the intersection of the north boundary with the water's edge of Rainy Lake.

At the intersection of the east boundary with the water's edge of Rainy Lake.

At the intersection of the line between lots six and seven with the south boundary, the front of the fourth concession and the north boundary.

Also at the intersection of the front of the fourth concession with the east boundary and with the west boundary.

The posts at the several angles of the township have the name of the township facing the township and the names of the other townships adjoining in a corresponding position.

Throughout the whole township, with the exception of the southeast corner, there is good land fit for agricultural purposes, that in the southwest corner being particularly good. Wasaw Creek drains the south portion of the township. Lost Creek drains the central portion, and the other unnamed creeks drain the northern portion.

The large muskeg at the southeast corner could very easily be drained by improving Wasaw Creek at the first rapids below Wasaw Lake. Portions of the northerly part of the township are broken by rock, but there are few lots not of value for settlement, there being first-class land between the ridges and along all the creeks.

Fires have run over nearly all the townships but little pine timber seems to have been destroyed as there are old logging works in every direction, and all the timber has been removed with the exception of that on Timber Berth G 6 where work is at present in progress.



No minerals of economic value were observed. The magnetic needle varied from eight degrees east to nine degrees thirty minutes east, there being no local attraction except on lot one, concession two, where the variation was from twenty degrees west to fifteen degrees east, apparently from magnetic pyrites.

Accompanying the report are plan, field notes, etc., etc., and rock samples from various parts of the township.

I have the honor to be,

Sir,

Your obedient servant.

(Sgd.) D. J. Gillon,  
Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

---

(*Appendix No. 63*).

TOWNSHIP OF FLEMING, DISTRICT OF RAINY RIVER.

Fort Frances, Ontario, November 14th, 1904.

SIR,—I have the honor to submit the following report on the survey of the first three concessions of the township of Fleming, in the District of Rainy River, performed under instructions from your department, dated the thirtieth day of June, anno Domini, nineteen hundred and four.

The township is bounded on the west by the township of Potts, on the south by the townships of Kingsford and Dance, and on the north by Indian Reserve seventeen B and unsurveyed lands, while the east boundary of the third concession ends in Lake Despair.

I moved into this township from the township of Dance, the survey of which I had just completed, and having cleared out and re-run the north boundary of the township of Kingsford. I chained east six miles from an iron post marking the southeast angle of the township of Potts, and thereafter surveyed the concession and side lines east and west astronomically and north and south astronomically as directed, planting posts, properly marked with bearing trees where any tree was available. Iron posts marked with cold chisel were also planted where directed, with the township name thereon, also an iron post was planted on the south boundary of Indian Reserve seventeen B, at its intersection, with the side line between lots six and seven. The north boundary of concession three was run east astronomically from the iron post marking the southeast angle of concession four in the township of Potts.

Nearly all the three concessions are very broken, rocky and hilly, and not well adapted for agriculture. There are a few good lots at the west end of the concession, also a strip between two high ridges on concession two. Practically the whole of the three concessions have been burnt over, and the land is covered with a very dense growth of small jack pine, poplar and brush, line cutting being very slow and there is no timber of value left on the land, everything which has escaped the fires having been cut.

Little game of any kind was seen, but all the muskegs are connected by well beaten moose trails, although I did not observe any fresh tracks.



No indication of any mineral was found; the magnetic needle holding a steady variation of eight degrees, forty minutes east throughout the townships.

I had considerable trouble in establishing the lines of Indian Reserve seventeen B which were run in the year eighteen hundred and seventy-eight, and I had to send to the Northwest Bay Reserve and get one of the councillors to come up and show me where the line originally was. The only places he could show me were north of the Bremner Creek, and north of Manomin Lake. I re-ran the line south from Bremner Creek, and was then able to follow old indications.

Accompanying this report are plan, field notes, timber plan and a few specimens of rock.

I have the honor to be,

Sir,

Your obedient servant,

(Sgd.)

D. J. Gillon,

Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

*(Appendix No. 64.)*

TOWNSHIP OF PEARSON, DISTRICT OF THUNDER BAY.

Port Arthur, Ontario, November 23rd, 1904.

SIR,—I have the honor to report that I have surveyed the township of Pearson, in the District of Thunder Bay, under your instructions dated June fifteenth, A.D. nineteen hundred and four.

I commenced at the southeast corner of the township of Scoble, from this I retraced the west boundary of Blake to the southwest corner, being the southeast corner of Pearson. This corner I was unable to find owing to the original timber having been destroyed by fire. From this point I searched towards the east and found some old cuttings in some low land, the line of these I produced west and found that it practically agreed with the distance I had chained from the southeast corner of Scoble. As I could find no trace of the north boundary of Crooks I observed on the elongation of Polaris, Azimuth one degree forty-nine minutes, and ran line west closely watching for traces of old lines, without success until I had run about two miles, when some old cuttings were found. To make sure that these were correct the line was continued a mile further where a few more cuttings were found on the opposite side of the line from those first found. I still continued the line and at four miles found an old blaze and some cuttings close to my line, one mile further on a side hill I found about three chains of a line of old blazes running north, these stopped close to my line. As the line I ran followed these old marks so closely I considered I was as close to the original boundary of Crooks and Pardee as could be got. When this line was continued no more old marks were found, although a close search was made on both sides, the country being all burnt over and covered by second growth poplar, jack pine and thick scrub. I then planted an iron post one and seven-eighths inches in diameter beside a wooden one at the intersection of this line with the west boundary of Blake to mark the southeast corner of Pearson, the iron post was marked Pearson on northwest, Blake on northeast, Con. I North, Lot 1 west. I then rechaind north to the southeast corner of Scoble, planting posts each eighty chains apart. I found no old posts on this line, but found lines from the east which corresponded with the northeast corners of lots one, concessions one and four. An iron post one

and one-quarter inches in diameter was planted at the northeast corner of lot one, concession two, marked Con. II. south, Con. III. north, Lot 1 west, also an iron post one and seven-eighth inches in diameter was planted alongside of wood post marking the northeast corner of Pearson and southeast corner of Scoble, marked Pearson on southwest, Scoble on northwest, lot 1 west, con. V. south. I then continued the south boundary of Pearson west twelve miles, planting posts each forty chains apart; iron posts one and one-quarter inches in diameter were planted between lots six-seven, twelve-thirteen, eighteen-nineteen; and one, one and seven-eighth inches in diameter at southwest corner of township. This was marked Pearson northeast, lot 24 east, Con. 1 north. The various concession and side lines were run and posted as single front concessions. Iron posts one and one-quarter inches in diameter in addition to those mentioned were planted between lots twelve-thirteen, concession three, and six-seven, twelve-thirteen, eighteen-nineteen on north boundary, also on west boundary in front of concession three, one and seven-eighth inches in diameter at northwest corner of township, marked Pearson southeast, Con. V south, lot 24 east.

The south boundaries of Scoble and Gillies were found without much trouble and reopened, in all except one place. The division lines in these townships were found and noted. The timber has been almost completely destroyed by fire. The principal exceptions to this are three spruce and cedar swamps, one covering lots five, six, seven, concessions one, two and part of three, one covering parts of lots ten, eleven, concessions one, two, three, also one covering parts of lots fifteen, sixteen, seventeen, eighteen, concessions two, three, four. The rest of the township is mostly covered by a thick growth of small poplar, jack pine, birch and scrub.

In general the township is well watered, a branch of Slate River in the north, and several branches of Pine River run through the centre and west. The latter is a sluggish stream averaging forty feet wide. There are no lakes. There are numerous steep trap bluffs, ranging from one hundred to six hundred feet high. In the valleys between these the land is in general level rich white clay similar to that in the township of Gillies. The exception to this is the first concession which, particularly to the south, is very rough and rocky and useless. Lots one and two on the east boundary and a few lots in the northwest corner are also rocky. Of the rest of the township about forty per cent. is good agricultural land. I have not specified any particular lots, as with the above exceptions all the rest have more or less good land.

Roads can be easily made to all good lots to join the Government road from the Canadian Northern Railway six miles north.

Three settlers have improvements on lots twelve, thirteen, fourteen, sixteen concession five.

A number of parties were looking over the lands while the survey was going on and expressed themselves as being well pleased. I expect all the good land will be taken as soon as the township is open for settlement.

Numerous observations on Polaris were taken: Azimuth one degree forty-nine minutes, latitude forty-eight degrees thirty minutes north.

I have the honor to be,

Sir,

Your obedient servant,

(Sgd.) A. H. Macdougall,

Ontario Land Surveyor.

To the Honorable the Commissioner of Crown Lands, Toronto.

## ALGONQUIN NATIONAL PARK.

*(Appendix No. 65.)*

Algonquin Park P. O., December 31st, 1904.

To the Honorable the Commissioner of Crown Lands, Toronto, Ont.

HONORABLE SIR,—I beg to hand you my yearly report on the Algonquin National Park of Ontario for 1904.

We have had the usual staff, comprised of superintendent, chief ranger and nine rangers. During the trapping seasons, the whole staff are constantly employed travelling the park, and I am glad to report that their work has been very successful. Very little trapping has been reported during the past year. During the summer months when no trapping is done, the staff are employed making canoes, cutting out portages, building shelter houses and improving at headquarters. This year in addition to cutting out many portages, three fine shelter houses have been built; one on Burnt Lake, one on Rainy Lake, and one on Long Lake. These are good substantial buildings, well finished throughout. Several shelter houses have been repaired, a good frame stable has been erected at headquarters and four bark canoes have been made. For a short time during winter, the men are employed at headquarters, cutting wood, making sleds and snowshoes, etc. Fur-bearing animals of all kinds are largely on the increase, especially the beaver, which are to be found in great numbers everywhere. From a great many places last winter reports came of the loss among the deer. I am glad to report that in the Algonquin Park they wintered splendidly, and the whole park is simply alive with them.

You will be pleased to know that the capercaillie introduced last year, have been seen in several places. They evidently made direct for the heavy pine sections. Several of them were seen at different times during the summer by parties in different sections of the park. Two of the rangers report seeing a mother with a very fine lot of chickens. They were enabled to examine them closely, seeing them on two different occasions.

We have had a great number of visitors to the park from all over the United States and Canada, and a few from the Old Country, all of whom, without a single exception, expressed themselves as delighted with the park, and the fishing, but above all, the wonderful tameness of the deer and other game.

I am constantly in receipt of letters from all over the country, expressing delight with the trips taken through the park, and consider it a pity that the people of Ontario do not know more about it and the regulations governing it. So many say to me, "I wish I had known years ago that it was open to the public for canoe outing, and that fishing with hook and line was permitted." There could be no finer holiday, and certainly none more health giving, than a three weeks' canoe trip through our splendid lakes.

Wolves, I am sorry to say, are still numerous, notwithstanding the fact that a very great number were killed by our men last year. We make every effort to destroy them.

Of the fishing here, I need scarcely say anything, so many have written on the subject in the different sporting papers of Canada and the United States. I do not think our trout fishing can be equalled anywhere in America.



Before closing my report, I wish to say that during the past year we have found all the limit holders most anxious to assist us in the enforcement of the law. This is a very great help to the staff, and I feel that generally throughout the country there is a feeling that the park is accomplishing, and will accomplish the purpose for which it was set apart.

An addition of half a township deep along the east boundary has been made. This will be a great help in every way, completing several important water routes, and taking in a large area of rough country, fit only for a game preserve.

I have the honor to be, Sir,

Your obedient servant,

(Sgd.) G. W. BARTLETT,

Superintendent.

---

(Appendix No. 66.)

RONDEAU PROVINCIAL PARK.

Morpeth P.O., Jan. 2, 1905.

*To the Honourable the Commissioner of Crown Lands, Toronto:*

SIR,—I have the honor to submit this my report as caretaker and ranger of the Rondeau Provincial Park, for the year 1904:

Since sending in my last report, the dock has suffered great damage from the ice-jam. On April 2nd, 1904, there was a severe storm, breaking up the ice on the Eau, which drifted in large sheets with the wind and was driven against the dock — 565 feet in length — and carried 65 feet of the outer end several rods from where it stood, altogether damaging 265 feet beyond repair. After reporting the damage to the department, I received instructions to have the wrecked portion of the dock cleared away. I engaged Bates Bros. to come with their heavy scow and stake puller to clear away the planking and timbers, and pull the spiles that remained in the ground. They did this, and piled the planks, broken pieces of timber and spiles, which were nearly all broken, out on dry ground, and saved nearly all the bolts that were not broken. The way is now clear for rebuilding the 265 feet that was destroyed. The 300 feet next the shore, which was left standing, will require some repairs, but that work will not be expensive. When the outer end is rebuilt, there should be sufficient stone cribbing to resist the ice pressure. Ordinary spiles will not stand it. Steps towards rebuilding the dock should be taken as soon as possible to give the contractors the opportunity to get the timber required, and have it delivered on the ground during winter.

The public still speak very highly of the new road, and think it should be continued through to the other end of the bush. If it were, the ranger would be in a much better position to guard the interests of the park.

The great necessity of a public house is becoming more apparent each year, where people could get good accommodation if they wished to come to the park for a few holidays, or a month's outing. Such a house could be leased to first-class men at a high interest on the investment. If a first-class house were built we would not have to wait long for an electric road to the park.



I hope the Government may see their way clear to taking out the large, crooked and unsightly trees that mar the general appearance of the forest here. It would give the smaller trees a chance to grow up straight and better proportioned. The undergrowth in some places is becoming so dense that it is very difficult to get through it. A proper thinning out of the old trees would be a benefit to the bush and the proceeds from the sale of same could be used to beautify the picnic grounds and give the park a much better general appearance.

We have a fine herd of eleven red deer, nine does and two bucks, in the enclosure, and about thirty running wild in the park bush. The pheasants and game birds are doing about as usual.

Judging by the number of visitors attending the park, it is becoming more popular each year. At the present time there are more enquiries for lots to lease for summer cottages, than at any previous date.

The building of the new road, and installing of two powerful gasoline lamps in the pavilion have done much to increase the interest that is now taken in the park.

I have the honor to be, Sir,

Your obedient servant,

ISAAC GARDINER,

Caretaker and Ranger.

---

## (Appendix No. 67.)

List of persons holding Cullers' Licenses issued under the Ontario Cullers Act up to 31st December, 1904.

Name.	P. O. Address.	Name.	P. O. Address.
Anderson, M. M. ....	Almonte.	Bromley, W. H. ....	Pembroke.
Allan, James D. ....	Bracebridge.	Bowers, Isaac ....	Little Current.
Appleton, Erwin B. ....	Bracebridge.	Brown, Thomas ....	Barrie.
Albert, Andrew ....	Ottawa.	Bass, Walter R. ....	W. Huntingdon.
Adams, J. Q. ....	Longford Mills.	Eates, Robert ....	Rat Portage.
Anderson, Patrick J. ....	Campbellford.	Binnie, Thomas ....	Port Arthur.
Anderson, J. C. ....	Gravenhurst.	Blair, William ....	Keewatin.
Allan, Alfred ....	Ottawa.	Bick, Thomas ....	Bobcaygeon.
Allen, R. A. ....	Bannockburn.	Burke, John Thomas ....	Midland.
Aikens, Geo. M. ....	French River.	Buchan, Sterling ....	L'Original.
Appleby, Ridley ....	Katrine.	Brown, Joseph A. ....	Spanish.
Adams, James M. ....	Sault Ste. Marie.	Baird, P. C. ....	Rainy River.
Aylward James ....	Peterborough	Brill, J. W. ....	Mine Centre.
Archibald, John L. ....	Keewatin.	Beattie, Arthur W. ....	Arnprior.
Austin, Wm. G. ....	Renfrew.	Brock, H. S. ....	Ottawa.
Anderson, Charles ....	Little Current.	Benson, John Bird ....	Midland.
Anderson, John ....	Cartier.	Brennan, Richard Lawrence	Peterborough.
Adair, Thomas Albert ....	Gananoque.	Brown, Hugh Risside ....	Huntsville.
Anderson, J. G. ....	Alpena, Mich.	Bryan, Frank ....	Keewatin
Alexander, Samuel ....	Arden.	Bennett, Edward Clinton ..	Ahmich Harbour.
Adams, Wm. ....	Westmeath.	Blaine, Harvie Thomas ....	Orillia.
Arkle, George ....	Rat Portage.	Borrett, Thomas ....	Barrie.
Armstrong, James Theodore	McKellar.	Bickell, James Manuel ....	Sault Ste. Marie.
Armstrong, Thos. J. ....	Arnprior.	Buisson, William ....	Sudbury.
Acheson, Ira M. ....	Westmeath.	Borrett, James A. ..	Sault Ste. Marie.
Albert, Alfred E. ....	Ottawa.	Bliss, C. Liddon ....	Sudbury.
Alma, John E. ....	Hawkesbury.	Bray, James ....	Kinmount.
Adams, George A. ....	Longford.	Bremner, Geo. ....	Arnprior.
Brophy, Michael Patrick ..	Massey Station.	Bromley, Samuel ....	Pembroke.
Boland, Abraham ....	Cartier.	Brown, A. C. ....	Fitzroy Harbor.
Brown, Singleton ....	Bracebridge.	Berlinquet, Julius ....	Opimicon, Que.
Barry, Thomas James ....	Hastings.	Blastorah, Fred. L. ....	Harwood.
Blanchet, Paul Frederick ..	Ottawa.	Burns, Clifton H. ....	Little Current.
Bird, W. S. ....	Parry Sound.	Beaumont, Ernest ..	Parry Sound.
Bayley, James T. ....	Gravenhurst.	Beattie, Alex. ....	Whitney.
Bell, Henry ....	Ottawa.	Brennan, Reginald ....	Gravenhurst.
Beach, Herbert Mahlom ....	Ottawa.	Boyd, Geo. ....	Gravenhurst.
Barry, Thomas ....	Millbridge.	Bissell, George Thomas ...	Trenton.
Beatty, W. R. ....	Parry Sound.	Baxter, Richard ....	Deseronto.
Brooks, Frederick William	Maackay's Station.	Breaugh, Edward ....	Deseronto.
Brown, Robert D. ....	Port Sidney.	Boyd, George A. ....	Thessalon.
Breed, Arthur G. ....	Penetanguishene.	Buchan, Frederick ....	Arnprior.
Barnes, Thomas George Lee	Muskoka Mills.	Barret, Patrick ....	Arnprior.
Buchanan, Robert ....	Coldwater.	Brundage, Alfred W. ....	Pembroke
Beck, Jacob Frederick ....	Pentanguishene.	Brougham, Thomas ....	Eganville .
Bird, Joseph Manly ....	Muskoka Mills.	Blair, Robert I. ....	Arnprior.
Bord, John F. ....	Thessalon.	Benson, John W. ....	Sturgeon Bay.
Erandon, Martin W. ....	Peterborough.	Beck, Charles M. Jr., ....	Penetanguishene.
Bell John C. ....	Peterborough.	Beatty, W. J. ....	Coldwater.
Bartlett, George W. ....	Warren.	Burns, C. W. Jr., ....	South River.
Brown, Silas ....	Klock's Mills.	Bell, John Henry ....	Burk's Falls.
Boland, W. G. ....	Eganville.	Pettes, John Hiram ....	Muskoka Mills.
Baulke, George R. ....	Aylmer, Que.	Brady, John ....	Renfrew.
Bromley, Thomas ....	Pembroke.	Beattie, W. J. ....	Arnprior.
Bremner, John L. ....	Admaston.	Bromley, William ....	Westmeath.
		Bissell, Hartie ....	Trenton.

*(Appendix No. 67.)—Continued.*

Name.	P. O. Address.	Name.	P. O. Address.
Brown, Robert	Starrat.	Carter, Robert E.	Fesserton.
Reaton, Hugh	Waubauskene.	Coleman, Jos.	Baysville.
Bailey, Arthur	Parry Sound.	Cardiff, George McDougall.	Sudbury.
Lurd, James Henry	Parry Sound.	Cameron, W. D.	Rat Portage.
Bailey, Santel James	Orillia.	Crandall, F.	Port Arthur.
Burton, Tinswood	Hunfrew.	Campbell, James E.	Eganville.
Boyes, James	Reutsville.	Campbell, John A.	Galetta.
Brown, John	Rockdale.	Caillier, Hyacinth	Arnprior.
Brennan, Edward Scott	Sundridge.	Chamberlain, Thomas	Bobcaygeon.
Bell, John Arguey	Klock's Mills.	Cooper, David Allan	Millbrook.
Bromley, Edw. H.	Pembroke.	Cox, Henry	Ballerica, que.
Bliss, Lawrence E.	Byng Inlet.	Currie, James	Ottawa.
Buee, Neil	Spanish Station.	Clarkson, A. E.	Midland.
Brazziel, Leonard	Spanish Station.	Clairmont, E.	Gravenhurst.
Bowie, Jas.	Bryson, Que.	Cameron, W. F.	Sturgeon Bay.
Barrie, Nicholas J.	Ottawa.	Connolly, Daniel	Gravenhurst.
Burke, J. D.	Rat Portage.	Campbell, P. C.	Sault Ste. Marie.
Bowen, Thos.	Deseronto.	Cadenhead, Alexander	Midland.
Brown, James F.	Baysville.	Carpenter, R. J.	Arnprior.
Blastorah, Bernard	Harwood.	Christie, William Pringle	Severn Bridge.
Campbell, Robt. John	Flinton.	Campbell, C. V.	Sault Ste. Marie.
Carpenter, John A.	Arnprior.	Clegg, Samuel	Peterborough.
Campbell, Alexander J.	Trenton.	Clairmont, William L.	Gravenhurst.
Carson, James	Bracebridge.	Cook, Sidney P. W.	Spanish Station.
Campbell, J. M.	Bracebridge.	Corrigan, John	Baysville.
Campbell, Robert	Bracebridge.	Chalmers, Alexander M.	Peterborough.
Clairmont, Joseph	Campbellford.	Charlton, Geo. A.	Collingwood.
Clarkson, Robert J.	Parry Sound.	Cahill, Thomas	Norbonsing.
Carruthers, Aaron	Hintonburg.	Chew, Manley	Midland.
Calder, Wm. J.	Burk Lake.	Cooper, James Eddy	Saurin.
Chew, Joseph	Gravenhurst.	Cook, Reinhardt	South River.
Cole, James Colin	Ottawa.	Crowe, Cecil	Bobcaygeon.
Cameron, William	Collin's Inlet.	Callaghan, Dennis	Trenton.
Cain, Robert	Midland.	Collins, James	Barryville.
Crawford, Stephen W.	Thessalon.	Campbell, Daniel N.	Buckingham, Que.
Cochrane, George	Peterborough.	Canniff, R. W.	Rat Portage.
Coburn, John	Lindsay.	Cassidy, S. C.	Dunchurch.
Crowe, Nathaniel	Bobcaygeon.	Charleson, John Baptiste	Ottawa.
Cameron, Alexander	Norman.	Comer, Billa F.	Tweed.
Chrysler, Frank E. L.	Webbwood.	Carter, George	Sundridge.
Callaghan, Thos., Jr.	Campbellford.	Corrigan, Robt. T.	Emc.
Carson, Hugh	Rat Portage.	Caswell, Grant	Coldwater.
Calder, George	Woodville.	Caswell, Geo.	Coldwater.
Callaghan, Dennis	Campbellford.	Chemir, David A.	Pembroke.
Corigan, Robert T.	Emo.	Clairmont, Philadelp L.	Gravenhurst.
Cameron, John H.	Rat Portage.	Crowe, Edgerton	Bobcaygeon.
Carson, Melvin	Little Current.	Crowe, Leslie	Bobcaygeon.
Cameron, John K.	Spanish River.	Campbell, Duncan W.	Stewartville.
Cassidy, William	Little Current.	Callaghan, Thomas M.	Arnprior.
Coons, George Washington.	Peterborough.	Clements, Albert James	Bent River.
Chisholm, George Leopold.	Sault Ste. Marie.	Doran, Frank	Barryvale.
Chalmers, George James	Peterborough.	Dunning, E. Percival	Parry Sound.
Caverly, David Charles	Parry Sound.	Duff, R. J.	Arnprior.
Campbell, Archibald J.	Little Current.	Durrill, John W.	Ottawa.
Close, John L.	Arnprior.	Dickson, John	Sundridge.
Carmichael, Donald	Arnprior.	Dickson, Jas. L.	Michipic'ten H'b'r.
Carty, John	Arnprior.	Danter, R. W.	Parry Sound.
Cleary, Patrick M.	Arnprior.	Doyle, T. J.	Eau Clare.
Cuthbertson, William	Arnprior.	Dobie, Alexander R.	Bind River.

## (Appendix No. 67.)—Continued.

Name.	P. O. Address.	Name.	P. O. Address.
Donally, Richard S. ....	Sunbury.	Ford, Charles .....	Wahnapiatae.
Devine, William .....	Cook's Mills.	Findlay, J. H. ....	Braeside.
Durrill, William .....	Nonsbong.	Fraser, Jas. ....	Renfrew.
Draper, Patrick .....	Cuyon, Que.	Fairren, Francis .....	Peterborough.
Davis, J. P. ....	Bobcaygeon.	Faulkner, Jos. ....	Fesserton.
Dale, John Alexander .....	Birkendale.	Fraser, Alexander, Jr. ....	Westmeath.
Dinsmore, Chas. L. ....	Huntsville.	Fairbairn, William .....	Calabogie.
Drum, Patrick .....	Belleville.	Fraser, Wm. A. ....	Pembroke.
Durham, Edgar S. ....	Rosean	Fraser Foster .....	Pembroke.
Duquette, Charles .....	Webbwood.	Fraser, William .....	Little Current.
Davis, William Albert .....	Bobcaygeon.	Fraser, Hugh Alexander .....	Pembroke.
Dickson, Robert Alexander.	Keene.	Flaherty, John .....	Lindsay.
Dawkins, John .....	Gravenhurst.	Fisher, William .....	Trenton.
Doxsee, James E. ....	Gravenhurst.	Fox, Thomas .....	Deseronto.
Didier, L. P. ....	Aylmer, Cte.	Fallis, James W. ....	Strurgeon Bay.
Devine, Patrick J. ....	Sheenboro, Que.	Fairbairn, N. H. ....	Webbwood.
Dinsmore, Richard .....	Huntsville.	Friel, John .....	Trenton.
Dunn, Percy E. ....	Longford Mills.	Fox, Charles .....	Trenton.
Duval, Chas. ....	Halfway.	Featherstonbaugh, Wm. Henry...	Penetanguishene.
Donlevy, James .....	Calabogie.	Friar, Schuyler .....	Westmeath.
Doris, Patrick .....	Peterborough.	Farren, Joel .....	Savanne.
Doris, John .....	Peterborough.	Fraser, Duncan .....	Big Lake.
Donahoe, Michael .....	Erinsville	Freeston, Walter .....	Burk's Falls.
Doran, W. ....	Belleville.	Fraser, John .....	Bancroft.
Dickson, Robt. R. ....	Kippewa, Que.	Fitzgerald, D. C. ....	Spanish Station.
Donlevy, Wm. C. ....	Rockcliff.	Foster, Wm. C. ....	Searchmount.
Duff, Chas. A. ....	Stewartville.	Fraser, Jas. C. ....	Spanish Mills.
Dean, James C. ....	Rat Portage.	Fremlin, H. P. ....	Richards' Land'g.
Duff, Peter A. ....	Claybank.	Foster, Ed. G. ....	Sault Ste. Marie.
Duncan, Downey .....	Rainy River.	Farrell, Peter M. ....	Whitefish.
Dougherty, J. M. ....	Fort Frances.	Fairhall, Edward .....	Whiteside.
		Fraser, Levi .....	Bracebridge.
		Piddes, James .....	Rainy River.
Emlaw, Oliver .....	Campbellford.	Griffith, Geo. F. ....	Pembroke.
Ebert, Andrew P. ....	Pembroke.	Graham, John .....	Arnprior.
Ellis, Alexander .....	Arnprior.	Golden, Jno. ....	Gilmour.
Ellis, John .....	Westmeath.	Gunter, Henry M. ....	Trenton.
Errington, Joseph .....	Sundridge.	Goltz, Ernest .....	Bardsville.
Edgington, Henry John .....	Parry Sound.	Green, Forman A. ....	Gilmour.
Eagar, James .....	Parry Sound.	Green, Samuel E. ....	Parry Sound.
Elliott, Porter P. ....	Mine Centre.	Grant, John .....	Flinton.
Elliott, William .....	Cache Bay.	Green, Arthur .....	Ottawa.
Edgar, J. E. ....	Rat Portage.	Green, Norman McL. ....	Bancroft.
Elliott, George E. ....	Peterborough.	Gillis, John J. ....	Whitefish.
		George, R. ....	Parry Sound.
Fraser, John A. ....	Rat Portage.	Gardiner, John .....	Parry Sound.
Ferguson, Wm. H. ....	Red Bay.	Golden, Frank J. ....	Trenton.
Forbes, Christopher McKay	McLean's Depot.	Garson, Robert .....	Thessalon.
Fitzgerald, E. Clair .....	Parry Sound.	Gropp, August .....	Penetanguishene.
Farrell, W. H. ....	Ironside, Que.	Grozelle, Antoine D. ....	Muskoka Mills.
French, Lewis William .....	Byng Inlet.	Goulais, James .....	Peterborough.
Fraser, William A. ....	Mattawa.	Grayson, Charles .....	Keewatin.
Finnerty, Patrick .....	Rochofort.	Gladstone, Harry E. ....	Cook's Mills.
Farnand, Frank .....	Diamond.	Gwynne, John .....	Hawkesbury.
Fulton, Philip S. ....	Spanish Station.	Gray, Frederick M. ....	Brule Lake.
Fitzgerald, Ulyot C. ....	Parry Sound.	Graham, Edward G. ....	Wahnapiatae.
Fenn, George .....	Bracebridge.	Griffin, James .....	Spanish River.
Fortune, Owen .....	Trenton.	Gordon, Alexander B. ....	Pembroke.
Fraser, David .....	Norman.	Garcen, Noah J. ....	Pembroke.
France, John .....	Collins' Inlet.		
Ferguson, Ernest A. ....	Baysville.		



## (Appendix No. 67)—Continued.

Name.	P. O. Address.	Name.	P. O. Address.
Gordon, Robert W. ....	Pembroke.	Halliday, James ....	Springtown.
Gvertin, Nelson ....	Petawawa.	Hurdman, J. A. ....	Ottawa.
Gardener, John ....	Rat Portage.	Hawkins, Stonewall J. ....	Meldrum Bay.
Gunter, Peter M. ....	Gilmour.	Hinchliffe, William .....	Gunter.
Glennie, William ....	Millbridge.	Henderson, Arthur ....	Baysville.
Gorman, Maurice J. ....	Fenelon Falls.	Hillis, James M. ....	Sutton West.
Gilhes, John A. ....	Braeside.	Harris, Wm. Jr. ....	Day Mills.
Geddin, Edward ....	Griffith.	Hogg, W. J. ....	North Bay.
Grant, Joseph ....	Eganville.	Hoxie, E. P. ....	Katrine.
Gilmour, James B. ....	Braeside.	Hawkins, Walter ....	Pembroke.
Gorman, Joseph P. ....	Sault Ste. Marie.	Howard, James ....	Eganville.
Gordon, Thomas A. ....	Hall's Bridge.	Howard, William ....	Baysville.
Gray, Albert H. ....	Biscotasing.	Hogan, Enos W. ....	Savanne.
Gadway, John ....	Parry Sound.	Horne, John T. ....	Port William.
Garrow, Edward ....	Webbwood.	Hamilton, Chas. E. ....	Rat Portage.
Golding, William ....	Dorest.	Henderson, Leonard ....	Baysville.
Gillies, Harry ....	White Lake.	Hunter, Thos. ....	Callandar.
Gordon, Herbert C. ....	Nelson.	Hamilton, Robert J. ....	Ottawa.
Gillespie, M. H. ....	Cook's Mills.	Hawkins, William A. ....	Pembroke.
Griffin, William ....	Huntsville.	Herring, Edward C. ....	Schright.
Ganton, David ....	Trout Creek.	Hatch, J. W. ....	Dryden.
Graham, George L. ....	Arnprior.	Irving, Thos. H. ....	Parry Sound.
Graham, Frederick S. ....	Arnprior.	Irwin, Eli. ....	Rat Portage.
Gill, Cuthbert ....	Orillia.	Irving, Edward C. ....	Rat Portage.
Graham, James Robert ...	Rat Portage.	Johns, Frank A. ....	Toronto.
Graham, Thomas Jordan ...	Byng Inlet.	Jackson, Robert ....	Brechin.
Gaudaur, Antoine Daniel ..	Orillia.	Johnson, Finlay ....	Bracebridge.
Gorman, Patrick ....	Eganville	Jones, Albert ....	Victoria Harbor.
Guy, Chas. ....	Fort Frances.	Johnson, Thomas ....	Bobcaygeon.
Hurd, Cyrus ....	Parry Sound	Johnston, Archibald M. ....	Norman.
Hart, James ....	Gilmour.	Julien, Charles ....	Trenton.
Hayes, James ....	Enterprise.	Junkin, Henry ....	Marmora.
Humphrey, T. W. ....	Gravenhurst.	Johns, Frank ....	Nipissing Junct'n
Huckson, A. H. ....	French River.	Jessup, Edward D. ....	Cache Bay.
Handley, Robert. ....	Douglas.	Johnson, Frank N. ....	Ottawa.
Howe, Alexander ....	Queensborough.	Johnston, John ....	Peninsular Lake.
Hurd, Edwin ....	Hurdville.	Johnson, S. M. ....	Arnprior.
Huff, J. S. Morris ....	Arnprior.	Jones, Frederick James ...	Plinton.
Halliday, Robert J. ....	Birdsay.	Johnston, William A. ....	Castleford.
Hutton, John ....	Hutton House.	Jervis, Henry ....	Wisawasa.
Hutchinson, Wm. E. ....	Montsville.	Jones, William ....	Fenelon Falls.
Hogarth, Joseph Rowan ...	Pembroke.	James, Martin ....	The Flats.
Humphrey, John ....	Gravenhurst.	Johnston, James ....	Port Frances.
Hill, Joshua ....	Midland.	Kintree, Stuart ....	Little Rapids.
Hall, David ....	Lovering.	Kerby, John ....	Belleville.
Hartley, Charles ....	Peterborough.	Kennedy, Robert. ....	Varmora.
Hawkins, Henry Charles ...	Blind River.	Kirby, Louis Russell ....	Ottawa.
Hines, Philip Wallace ....	Huntsville.	Kennedy, Timothy ....	Enterprise.
Hudson, John Lewis ....	Combermere.	Kirk, Henry. ....	Trenton.
Helferty, Dennis ....	Eganville.	Knox, Milton ....	Ottawa.
Hamilton, Robt. ....	Rat Portage.	Kinsella, Michael Pierce ..	Trenton.
Hoppins, Ahram ....	Kingston.	Kitchen, D. ....	French River.
Hoppins, Densmore ..	Kingston.	Kelly, Jeremiah ....	Sudbury.
Haystead, John ....	Parry Sound.	Kelly, Ferdinand ....	Mattawa.
Henderson, John Irwin ...	Bobcaygeon.	Kennedy, T. J. ....	Arnprior.
Hartley, William ....	Millbridge.	Kenning, Henry ....	Pembroke.
Higgins, John C. ....	Peterborough.	Kirby, D. F. ....	Belleville.
Harrison, John, Jr. ....	Pembroke.	Kirkpatrick, David ....	Lindsay.
Hawkins, E. ....	Le Breton Flats.		
Henderson, Charles ....	Bracebridge.		
Halliday, Frank ....	Parry Sound.		

## (Appendix No. 67)—Continued.

Name.	P. O. Address.	Name.	P. O. Address.
Kelly, Michael J. ....	Baysville.	Lavigne, John .....	Alymer, Que.
Kirk, William James .....	Webbwood.	Landell, Charles S. ....	Huntsville.
Kerr, E. G. ....	Thessalon.	Long, Henry Elisha. ....	Mattawa.
King, Napoleon .....	Mattawa.	Lynch, W. H. ....	Collingwood.
Kean, B. F. ....	Orillia.	Laplante, Francis. ....	Byng Inlet.
Kemp, Orval Wesley .....	Trenton.	Lindsay, Jas. ....	Arnprior.
Kirk, Charles Barron .....	Queensborough.	Labelle, Michael. ....	Arnprior.
Kingsland, W. P. ....	Ottawa.	Legree, John. ....	Dacre.
Kerr, John B. ....	Arnprior.	Lagree, James L. ....	Calabogie.
Kennedy, Walter. ....	Arnprior.	Leigh, John Chas. ....	Gravenhurst.
Kennedy, John .....	Pembroke	Lloyd, Edward B. ....	King.
Knox, Wm. M. ....	Fesserton.	Lemyre, Bruno. ....	Gravenhurst.
Kingston, Robert .....	Wisawasa.	Lavelle, Charles H. ....	Canoe Lake.
Kearnan, Edward .....	Blind River.	Lyons, James. ....	Waltham, Sta., Q.
Kearney, Michael John .....	Buckingham, Que	Ledwood, Chas. ....	Ottawa.
Kendrick, John .....	Burk's Falls.	Lavelle, Emery. ....	Waltham, Sta., Q.
Kendrick, John L. ....	Burk's Falls.	Little, Theo. ....	Rat Portage.
Kennedy, Jno. W. ....	Ottawa.	Lehman, Joseph. ....	Stratton Station.
Kelly, James F. ....	Trout Creek.	Lafare, Mark .....	Cache Bay.
Kaufman, Juliaa .....	Blind River.	Leach, George. ....	Vermillion Bay.
Kennedy, Sylvester .....	Brule Lake.		
Leannoth Francis .....	Arnprior.	Malloy, Mark. ....	Baysville.
Lee, James .....	Warren.	Martin, Hugh. ....	Sault Ste. Marie.
Lloyd, Alfred .....	Severn Bridge.	Miller, R. O. ....	Gravenhurst.
Lawrie, Frank A. ....	Parry Sound.	Morrison, James. ....	Toronto.
Latimer, Jas. ....	Frank's Bay	Murray, Frederick. ....	Huntsville.
Lemyre, Middey. ....	Campbellford.	Menzies, Archibald. ....	Burk's Falls.
Lutz, Jacob. ....	Parry Sound.	Manning, James. ....	Trenton.
Luby, John E. ....	Ottawa.	Martin, Philip. ....	Stoco.
Law, Wm. J. ....	Markstay.	Malone, Wm. Pat. ....	Ottawa.
Lummis, Daniel. ....	Glanmire.	Marsh, Eli Terril. ....	Trenton.
Lowe, W. C. ....	Port Arthur.	Millar, John W. ....	Huntsville.
Londry, S. C. ....	Sault Ste. Marie.	Mutchinbacker, Asa. ....	Rosseau Falls.
Lochnan, James. ....	Ottawa.	Morris, George F. ....	French Bay.
Link, Henry W. ....	Ottawa.	Murray, George, Jr. ....	Waubauskene.
Ladarotte, John. ....	Arnprior.	Maughan, Joseph. ....	Port William.
Lochnan, John. ....	Alymer, Que.	Margach, Wm. J. ....	Port Arthur.
Lozo, John. ....	Trenton.	Murray, George, Sr. ....	Waubauskene.
Loughrin, Lawrence. ....	Pembroke.	Maniece, Wm. ....	Peterborough.
Linton, J. H. ....	Parry Sound.	Murray, Wm. ....	Rat Portage.
Ludgate, James. ....	Peterborough.	Morgan, Richard J. ....	Rat Portage.
Lee, Robert. ....	Huntsville.	Magee, Thomas Arthur .....	Rat Portage.
Langford, Mark. ....	Baysville.	Murdoch, James. ....	Cook's Mills.
Letherby, Edwin. ....	Midland.	Mulvhill, Wm. ....	Arnprior.
Lovering, William James .....	Coldwater.	Murphy, Arthur. ....	Ottawa.
Lane, Maurice. ....	Bobcaygeon.	Mayhew, Jacob. ....	Northcote.
Lenton, George. ....	Peterborough.	Milne, Archie. ....	Arnprior.
Lowe, Thos. A. ....	Renfrew.	Murray, James. ....	Peterborough.
Livingston, Robert M. ....	Huntsville.	Moore, James A. E. ....	Lakefield.
Londry, William E. ....	Sault Ste. Marie.	Merkley, William A. ....	Ottawa.
Labelle, James. ....	Waltham, Que.	Murphy, Hugh R. ....	Ottawa East.
Labelle, Eli. ....	Waltham, Que.	Murphy, W. J. ....	Arnprior.
Ladurante, J. D. ....	Ottawa.	Murray, William .....	Markstay.
Ludgate, Theodore. ....	Peterborough.	Macfarlane Robt. L. ....	Warren.
Lucas, Frank. ....	Sault Ste. Marie.	Martin Edgerton. ....	Markstay.
Lunam, Duncan. ....	Collifield, Que.	Mathieson, Archie. ....	Port Frances.
Lott, George. ....	Trenton.	Moore, Henry R. ....	Lakefield.
Lawrie, John D. ....	Parry Sound	Mickle, Charles S. ....	Gravenhurst.
Lovering, George Francis .....	Coldwater.	Mullen, James. ....	Webbwood.
		Morley, A. W. ....	Winnipeg.

*(Appendix No. 67)—Continued.*

Name.	P. O. Address.	Name.	P. O. Address.
Munroe, Peter P.....	Commanda.	McPherson, Jas. S.....	Rama.
Mason, Benjamin.....	Westmeath.	McKinley, Edward C....	Toronto.
Monaghan, John B.....	Arnprior.	McClelland, John.....	Parry Sound.
Monaghan, M. J.....	Arnprior.	McFarlane, J. W.....	Cache Bay.
Mulvihill, John.....	Arnprior.	McDonald, Roderick....	Pembroke.
Moran, Andrew.....	Rockingham.	McCormack, Wm.....	Pembroke.
Mulvihill, Michael....	Arnprior.	McCreary, William....	Arnprior.
Mann, John.....	Manitowaning.	McCreary, James, Jr....	Arnprior.
Marrigan, Richard....	Deseronto	McPhee, Hugh.....	Byng Inlet.
Monaghan, John Dorland..	Deseronto	McCudden James.....	Arnprior.
Matheson, Wm.....	Chelmsford.	McLachlin, J. A.....	Arnprior.
Munro, Alex. G.....	Braeside.	Macpherson, John.....	Ottawa.
Monro, Philip.....	Braeside.	McEachren, John A....	W'st Gravenhurst.
Mangan, Patrick.....	Arnprior.	McLeod, Dugald.....	Gravenhurst.
Marcil, Peter.....	Ottawa.	McClelland, R. H.....	Parry Sound.
Main, Samuel.....	Spanish Station.	McEvoy, Frank.....	Campbellford.
Morley, Charles.....	Huntsville.	McDermott, Peter.....	Orillia.
Moore, David Henry....	Peterborough.	McIlroy, John.....	Madoc.
Murphy, John.....	Arnprior.	McNab, Robert J.....	Parry Sound.
Mathieson, Daniel.....	Chelmsford.	McFadden, James.....	Ottawa.
Milne, Wm.....	Ethel.	McIntosh, James G....	Carleton Place.
Mangan, Charles.....	Burk's Falls.	McInnis, Hector D....	Bracebridge.
Mooney, Lincoln.....	Orillia.	McKinnon, Malcolm....	Bracebridge.
Mangan, John.....	Arnprior.	McLean Daniel.....	Bracebridge.
Mooney, Thomas.....	Kingston.	McKinnon, Archie J....	Bracebridge.
Mason, Robert T.....	Rochester ville.	McKay, D. C.....	Bayville.
Moore, Wm. John.....	Gravenhurst.	McDonald, James.....	Parry Sound.
Morrison, Donald.....	Reay.	McPherson, Allan.....	Longford.
Moore, Wm.....	Bobcaygeon.	McDonald, James P....	French River.
Mutchenbacker Herman	Rosseau Falls.	McFarlane, Jos. C.....	Port Severn.
Moors, Norman.....	Arnprior.	McNabb, Alexander....	Thessalon.
Morley, John E.....	Rat Portage.	McGillivray, Archibald..	Port Arthur.
Mackay, J. A.....	Big Forks.	McGrane, Edward.....	Lindsay.
Miller, Robt.....	Montreal.	McLeod, Donald, Jr....	Keewatin.
McCaw, Joseph E.....	Tweed.	McDonald, Hector R....	Thessalon.
McLaren, Peter.....	Rat Portage.	McDougall, Duncan....	Bracebridge.
McGregor, Colin F....	Rat Portage.	McNabb, Alexander D..	Warren.
McKenzie, Robert.....	Rat Portage.	McCormack, John C....	Sudbury.
McFadyen, A. J.....	Bracebridge.	McNamara, John.....	Byng Inlet.
McCauley, Thos. J.....	Goulais Bay.	McGillivray, Duncan D..	Algoma Mills.
McDonald, John C.....	Spanish Mills.	McIntyre, Daniel A....	Klock's Mills.
McKenzie, Alex. E.....	Ansonia.	McNamara, Lewis.....	Klock's Mills.
McIntyre, John.....	Arnprior.	McDonald, Sidney C....	Mattawa.
McGenigal, John H....	Whitby.	McCool, Christopher L..	Cartier.
McCart, Patrick.....	Arnprior.	McCollum, Donald.....	Arnprior.
McGrath, Thomas B....	Peterborough.	McDowell, Wm.....	Cache Bay
McCormick, James J....	Trenton.	McConachie, Roy Stewart..	Huntsville.
McCarthy, Wm.....	Fenelon Falls.	McDonell, J. K.....	Rat Portage.
McAvoy, Owen.....	Campbellford.	McDonald, Alex. J.....	Vermillion Bay.
McConnell, Lewis.....	Fesserton.	McKay, D. A.....	Rainy Bay.
McMullen, George.....	Spragge.	McMillan, James.....	Rat Portage.
McNab, Angus.....	Burnstown.	McPhee, Ronald.....	Bracebridge.
McColgan, C. H.....	Quyon, Que.	McKay, George Donner..	Dorset.
McCallum, Webster....	Arnprior.	McWilliams, Maxwell	
McCagherty, Robert E....	Westmeath.	Theodore.....	Peterborough.
McNab, Archie.....	Calabogie.	McLeod, John.....	Keewatin.
McDonald, Malcolm....	Spragge.	McPherson, George....	Keewatin.
McIvor, J. A.....	Fort Francis.	McDougall, John D....	Rat Portage.
McCulloch, M.....	Rat Portage.	McGregor, Duncan....	Burnstown.
		McLean, Peter W.....	Sand Point.



## (Appendix No. 67)—Continued.

Name.	P. O. Address.	Name.	P. O. Address.
McManus, John C. . . . .	Arnprior.	McCagherty, William E. . . . .	Westmeath.
McNabb, Alexander. . . . .	Arnprior.	McDonald, John D. . . . .	Mattawa.
McFarlane, Alexander. . . . .	Renfrew.	McCagherty, Joseph T. . . . .	Westmeath.
McFarlane, J. D. . . . .	Stewartsville.	McAdam, Arch. H. . . . .	Quyon, Que.
McFarlane, Duncan. . . . .	Renfrew.	McMurphy, Dugald, Jr. . . . .	Rat Portage.
McKendry, Wm. B. . . . .	Arnprior.	McCall, Alfred. . . . .	Rat Portage.
McPhee, Hugh. . . . .	Renfrew.	McRitchie, William. . . . .	Rat Portage.
McPhee, John. . . . .	Arnprior.	McRitchie, Malcolm. . . . .	Rat Portage.
McLachlin, Peter. . . . .	Arnprior.	Nescott, George. . . . .	Rat Portage.
McLachlin, Alexander. . . . .	Arnprior.	Newton, Frank. . . . .	Gravenhurst.
Mackey, Edward. . . . .	Arnprior.	Newburn, Wm. . . . .	Parry Sound.
McEwen, Henry. . . . .	Trenton.	Niblett, James. . . . .	Arnprior.
McDonald, Alfred. . . . .	Peterborough.	Niblett, Robert. . . . .	Osceola.
McGeary, John J. . . . .	Sundridge.	Newall, John H. . . . .	Parry Harbor.
McDonald, Archibald W. . . . .	Gilmour.	Nolan, John. . . . .	Gravenhurst.
McCaw, John Gillen. . . . .	Queensborough.	Newton, Charles W. . . . .	Victoria Harbor.
McCaulley, Barney. . . . .	Trenton.	Nent, Charles. . . . .	Vermilion Bay.
McDougall, James T. . . . .	Klock's Mills.	O'Neil, Thomas. . . . .	Bancroft.
McInenly, Thomas. . . . .	Quebec, Que.	O'Neill, Daniel, H. H. . . . .	Arnprior.
McBride, Archibald. . . . .	Arnprior.	O'Leary, Patrick J. . . . .	Orillia.
McFarlane, Robert L. . . . .	Arnprior.	Oliver, Charles R. . . . .	Fesserton
McGowan, Wm. . . . .	Parry Sound.	Overend, George J. . . . .	Longford Mills.
McLachlin, Norman. . . . .	Arnprior.	O'Brien, Andrew. . . . .	Ottawa.
McDonald, Laughlin. . . . .	Pendleton.	O'Connor, John. . . . .	Hintonburg.
McIvor, William J. . . . .	Collins Inlet.	Oliver, Darcy. . . . .	Wahnapiatae.
McKee, John P. . . . .	Sturgeon Falls.	O'Connor, Wm. . . . .	Nesbingsing.
McGowan, Thomas. . . . .	Parry Sound.	O'Neill, James W. . . . .	North Bay.
McDermet, Patrick. . . . .	South River.	O'Donnell, Wm. . . . .	Penetanguishene.
McKay, Angus. . . . .	South River.	Owens, Richard. . . . .	Basin Depot.
McDonald, A. J. . . . .	Longford.	O'Reilly, Patrick. . . . .	Cartier.
McInnis, Angus D. . . . .	Gravenhurst.	O'Neill, Mark. . . . .	Renfrew.
McKendry, Alexander. . . . .	Waubauskene.	Orrill, John. . . . .	Trenton.
McGuire, Timothy. . . . .	North Bay.	O'Neill, Patrick. . . . .	Bancroft.
McGrath, John. . . . .	Peterborough.	Orde, Francis W. . . . .	Rat Portage.
McWilliams, John Bannan.	Peterborough.	Pigott, John. . . . .	Fitzroy Harbor.
McCagherty, Patrick. . . . .	Westmeath.	Pattison, Thos. . . . .	Bracebridge.
McKendry, Daniel. . . . .	Arnprior.	Price, A. E. . . . .	Arnprior.
Macdonald, D. F. . . . .	Parry Sound.	Presley, J. F. . . . .	Ashton.
McManus, Thomas J. . . . .	Renfrew.	Power, James. . . . .	Bobcaygeon.
Macfarlane, David B. . . . .	Ottawa.	Patzel, Adolph. . . . .	Arnprior.
McColgan, Edward. . . . .	Quyon, Que.	Plaunt, William B. . . . .	Eganville.
McMichael, Charles. . . . .	North Seguin.	Plaunt, Joseph. . . . .	Eganville.
McIlroy, Thomas Davis. . . . .	Madoc.	Porter, Charles O. . . . .	Longford.
McDonald, Wm. Henry. . . . .	Trenton.	Preston, R. E. . . . .	Rat Portage.
McGaw, Wm. Thomas. . . . .	Callandar.	Petrie, George A. . . . .	Fergus.
McMillan, L. . . . .	Callandar.	Pomeroy, Peter. . . . .	Trenton.
McDermott, John L. . . . .	Orillia.	Perry, Pringle K. . . . .	Byng Inlet, North
McDonald, Chas. M. . . . .	Pembroke.	Purcall, Wm. G. . . . .	Ottawa.
McPhee, Benjamin. . . . .	Pembroke.	Purvis, John. . . . .	Parry Sound.
McGee, John Edward. . . . .	Parry Sound.	Porter, James. . . . .	Uphill.
Macfarlane, Mack. . . . .	Arnprior.	Pearson, John James. . . . .	Lindsay.
MacCallum, Alexander. . . . .	Braeside.	Paterson, John. . . . .	Wahnapiatae.
McRae, Farquhar. . . . .	Rat Portage.	Paterson, Alexander. . . . .	Orillia.
MacCullum, Albert. . . . .	Arnprior.	Parke, James. . . . .	Gravenhurst.
McGonigal, John. . . . .	Arnprior.	Parquette, Oliver. . . . .	Webbwood.
McConachie, John. . . . .	Huntsville.	Palmateer, Sherman. . . . .	Gravenhurst.
McKay, D. G. . . . .	Rat Portage.	Paget, George. . . . .	Huntsville.
McDonald, James. . . . .	Peterborough.	Pounder, Joseph. . . . .	Westmeath.
McCullough, John L. . . . .	Lonsdale.		
McConnell, James. . . . .	Mine Centre.		
McNaughton, Daniel. . . . .	Bracebridge.		



## (Appendix No. 67)—Continued.

Name.	P. O. Address.	Name.	P. O. Address.
Pell, Richard D.	Arnprior.	Ryan, James	Savanne.
Perry, Frederick	Port Arthur.	Rusk, Oscar W.	Cache Bay.
Paget, Charles Edward	Novar.	Robinson, Thos. Geo.	Bracebridge.
Porter, Thomas Robert Mark	Dorset.	Rooksby, Wm.	Campbellford.
Pountney, E. J.	Arnprior.	Ramesbottom, Robt.	Byng Inlet.
Pyburn, David J.	Dorset.	Roy, Lewis	Arnprior.
Purdy, Geo.	Hintonburg.	Riddell, Horace A.	Galetta.
Playfair, Andrew Wm.	Sault Ste. Marie.	Rowan, A. L.	Sault Ste. Marie.
Pipe, Taylor	Haileybury.	Ritchie, James A.	Spragge.
Pipher, George E.	Mowat.		
Pendee, David	Parry Sound.	Smith, M. D.	Fort William.
		Scanlan, William	Enterprise.
Quinn, William	Peterborough.	Sutherland, D. H.	Gravenhurst.
Quigley, Hugh	Penetang.	Spanner, John	Huntsville.
		Shier, James D.	Bracebridge.
Robertson, D.	Rat Portage.	Spooner, W. R.	Katrine.
Richardson, Frederick George	Trenton.	Simpson, Alfred E.	Wakefield.
Richards, Richard	Tamworth.	Souliere, John B.	Ottawa.
Riddell, George Alexander	Rochester Mills.	Shields, James A.	Carleton Place.
Robertson, Lewis McLean	Dunchurch.	Spargo, George	Ottawa.
Robinson, Wm. R.	Bobcaygeon.	Smyth, W. H.	Byng Inlet North.
Reamsbottom, Wm.	Mattawa.	Salmon, R. H.	Baysville.
Richey, Evan	Brentwood.	Salmon, Alexander O.	Baysville.
Randall, Louis G.	French River.	Stremer, A.	Ottawa.
Richardson, Charles Mervyn.	Trenton.	Shields, Frank A.	Parry Sound.
Rochester, Daniel Baillie	Ottawa.	Stapleton, John J.	Ogidakie.
Riddell, James	Ottawa.	Sloan, William H.	Fort Frances.
Rice, Asa A.	Hull, Que.	Smyth, Job E.	Cache Bay.
Roberts, F. A.	Huntsville.	Sage, Nelson	Muskoka Mills.
Ross, Andrew	Longford Mills.	Seymour, Edward	Whitefish.
Rose, Donald M.	Rat Portage.	Shaw, Thomas B.	Waubauskene.
Rawson, Charles Edgar	Coldwater.	Swanston, James	Peterborough.
Ross, George	Waubauskene.	Simpson, William	Hall's Bridge.
Roberts, Percy T.	Keewatin.	Sadler, Thomas	Lindsay.
Ritchie, Wm. D.	Little Current.	Smith, Patrick Albert	Norman.
Ramsay, Robert	Arnprior.	Snaith, Wm. J.	Mattawa.
Ritchie, J. F.	Arnprior.	Sinn, Wm. F.	Arnprior.
Ritter, Samuel G.	Ahmik Harbor.	Sheppard, Wm. Joseph	Waubauskene.
Robinson, Wm.	Bobcaygeon.	Sequin, Napoleon	Spanish Station.
Reid, Joseph B.	Lindsay.	Scrim, Robert	Arnprior.
Ross, Walter M.	Ottawa.	Sharp, James A.	Sudbury.
Ruttle, H. A.	Carleton Place.	Shaneay, Harry S.	Cook's Mills.
Richards, Benedict	Ottawa.	Smith, Wm.	Ottawa.
Regan, John	Orillia.	Stewart, Daniel	Braeside.
Russell, Wm.	Pembroke.	Sheehan, Michael H.	Waubauskene.
Ramsay, Charles	Sudbury.	Scott, Thomas	Parry Sound.
Russell, Corsan L.	Pembroke.	Smith, Lawrence	W. Saginaw, Mich.
Richards, Henry	Dacre.	Shea, Stewart	Campbellford.
Ryan, Wm.	Killaloe.	Sullivan, John	Sault Ste. Marie.
Rooney, Wm. H.	Campbellford	Sinclair, Finlay	Sudbury.
Revell, J. O.	Dryden.	Shiels, Henry F.	Cartier.
Rankin, Anthony	Cache Bay.	Smith, Gideon Ousley	Burk's Falls.
Ross, Angus	Orrville.	Smith, John Wallis	Thedford.
Robinson, Albert E.	Washago.	Smith, Henry G.	Arnprior.
Robinson, Edward	Washago.	Story, John A.	Ottawa.
Robinson, Thomas G.	Washago.	Sweexey, Benjamin	Massey.
Raycroft, William T.	Sarnia.	Sheppard, Charles H.	Coldwater.
Roberts, Ivor M.	Garden River.	Sinclair, Armon D.	Arnprior.
Revell, Lionel Oliver	W. Gravenhurst.	Smith, Sidney E.	Ottawa.
Regan, Judd Patrick	Orillia.	Sleeman, Wm.	Rapid River.
Robins, Etna Rosedale	Orillia.	Sheeman, Peter F.	Loring.
Regan, John, Jr.	Orillia.	Sleeman, Geo.	Rapid River.

(Appendix No. 67.)—Concluded.

Name.	P. O. Address.	Name.	P. O. Address.
Standish, Wm. H.	Batchawining Bay	Watson, Wm.	Huntsville.
Simpson, Wm. A.	Lakefield.	Webb, Geo. W.	Parry Sound.
Scollard, Wm.	Young's Point.	Wilcox, Thomas	Parry Sound.
Shuttleworth, Alma.	Trout Creek.	Wheeler, J. A. McL.	Tamworth.
Shanacy, Wm. J.	Spragge.	Widdifield, C. H.	Pine Orchard.
Seely, George.	Arnprior	Whitmore, Edgar	Rosseau Falls.
Stewart, Alex. W.	Lanark.	Wright, L. B.	Sault Ste Marie.
Sereny, William	Braeside.	Ward, Joseph W.	Ottawa.
Schneder, Frederick	Cache Bay.	Wilkinson, Wm.	French River.
Smith, James D.	Rat Portage.	Waldie, John E.	Victoria Harbor.
Sullivan, Jas.	Aylmer, Que.	Wig, Thomas G.	Thessalon.
Scully, Corneallus	Whitney.	Wall, Patrick B.	Cheboygan, Mich.
Savoy, Eutrope	North Bay.	Wells, John R.	Little Current.
Smith, Walter J.	Campbellford.	Whiteside, John	Huntsville.
Seymour, Jno. J.	White Fish.	Watt, Wm.	Peterborough.
Smith, Alex. R. O.	Burk's Falls.	Wilson, George	Lindsay.
Stewart, Richard M.	Chelsay, Que.	White, Thomas	Parry Sound.
Souliere, John H.	Canoe Lake.	Watson, Wm.	North Bay.
Smith, Abraim G.	Quyoc, Que.	Wagner, Fred.	Rat Portage.
Swallow, J. H.	Day Mills.	Wainwright, Edward C.	Huntsville.
Strave, A. M.	Mine Centre.	Wilson, Wm. James.	Deseronto.
		Weston, Frank R.	Midland.
Tait, Thomas B.	Burk's Falls.	White, James B.	Manitowaning.
Taylor, C. M.	Gravenhurst.	Wilson, James A., Jr.	Webbwood.
Thornton, W. D.	Longford Mills.	Woods, John R.	Antrim.
Trussler, Gilbert	Trout Creek.	Wardell, Ernest C. S.	Victoria Harbor.
Thompson, Geo. S.	Lindsay.	Woods, Joseph F.	Reach's Point.
Thompson, Frederick A. H.	Callandar.	Whaley, Thomas	Huntsville.
Thompson, Francis Henry	Nosbonsing.	Webster, Wm. Alfred	Bracebridge.
Train, A. C.	Rowan Mills.	Wornsdorf, Frederick Gutlep.	Pembroke.
Targeon, George	Cook's Mills.	Warrell, Wm.	Trout Creek
Thomson, Alexander W.	Arnprior.	Wims, Peter	Blessington.
Taylor, Thomas G.	Gravenhurst.	Wickware, Philip Almonte.	Cloyne.
Trowse, A.	Arnprior.	Wilson, Edward	Deseronto.
Thompson, Daniel	Port'ge du Fort, Q.	Whelan, P. J.	McDongall.
Thompson, Richard	Rat Portage.	Whyte, John Thomas Goth.	Ottawa.
Thomson, Joseph H.	Bracebridge.	Watterworth, J. A.	Sault Ste. Marie.
Taylor, Edward A.	Westmeath.	White, Wm. James.	Muskoka Falls.
Tait, Ralph	Arnprior.	Warrell, George	Powassan.
Train, William	Burk's Falls.	Wells, Geo. W.	Little Current.
Turner, Gavin F.	North Bay.	Wilson, Frederick Gould	Rat Portage.
Tilson, Joseph	Burk's Falls.	Wallace, John Thomas	Thessalon.
Tuffy, John	Cartier.	Wilkins, George N.	Baysville
Thorpe, Thos.	Pembroke.	Wylie, Byrom M.	Webbwood.
Taylor, Chas. E.	Gravenhurst.	Wood, Thos.	Parry Sound.
Tench, Arthur	Hekkla.	White, William	Peterborough.
Tulloch, William A.	Sault Ste. Marie.	Woods, A. L.	Rat Portage.
Taylor, Alex. M.	Burnstown.	White, John B.	Kippewa, Que.
Toner, J. A.	Port'ge du Fort, Q.	Whelan, Peter M.	Renfrew.
Thrasher Henry G.	Pembroke.		
Tooke Frank	Bala.	Yuill, John Albert	Braeside.
		Young, Wm.	Severn bridge.
Udy, Dean	French River.	Young, A. J.	Cache Bay.
Urquhart, Elias	Gravenhurst.	Young, Samuel	Coldwater.
Urquhart, Andrew	Barrie.	Young, Patrick P.	Young's Point.
		Young, Francis G.	Young's Point.
Vigrass, Percy J.	Dufferin Bridge.	Yuill, Thomas	Arnprior.
Vincent, Joseph	Warren.	Yuill, A. D.	Braeside.
Vollin, Samuel	Nosbonsing.	Young, C. T.	Harvey.
Vannier, Nelson Joseph	Bobcaygeon.	Yuill, John Alex.	Arnprior.
Vincent, James	Fesserton.	Yuill, Archibald	Bracebridge.
Vincent, Henry T.	Port Sidney.	Yuill, Wm.	Braeside.
		Total, 1,862.	

REPORT

of the

# Director of Forestry

for the

PROVINCE OF ONTARIO

1903

PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO.



TORONTO

Printed and Published by L. K. CAMERON, Printer to the King's Most Excellent Majesty.

1904



WARWICK BRO'S & RUTTER, LIMITED, PRINTERS,  
TORONTO.



TORONTO, December 30, 1903.

SIR,—I have the honor to transmit the report of the Bureau of Forestry for the past year. The report contains, in addition to a general summary of the progress of forestry in Ontario during the past decade, a review of the work done in protecting the Forest Reserves during the past two years; an account of further additions to the Permanent Crown Forest area; a reference to further proposed extensions to the Forest Reserve system; some recommendations as to re-forestation, and a report of a series of lectures by Dr. B. E. Fernow, of Ithaca, N.Y., delivered at Queen's College.

I have the honor to be, Sir,

Your obedient servant,

THOS. SOUTHWORTH,

*Director of Forestry.*

HON. E. J. DAVIS,

*Commissioner of Crown Lands.*



## GENERAL FORESTRY PROGRESS IN ONTARIO.

The people of Ontario, particularly those of them who have been interested in the future of the forest wealth of this country are to be congratulated upon the present condition of things in this Province, and upon the very great strides that have been made during the past few years in the direction of systematic forestry practice. The work that has been done in bringing our forest laws and regulations to the present condition has been so gradual as to have attracted comparatively little attention, and few realize what enormous strides have been made, and what a fortunate position in the matter of future revenue and timber supplies, as well as the safety of the water supply, the Province of Ontario is now in.

It is well to point out, however, that in spite of the excellent position of the Province of Ontario in forestry matters, when compared with other commonwealths on this continent, we are still a considerable distance off from the adoption of correct forestry practice in the management of our timber resources, and while we are now in the fortunate position of being able to deal properly with the Provincial forest estate, considerable reforms must yet be undertaken before we are able to realize the full value of our inheritance.

In the summary of the development of the Crown Timber Regulations from the date of the French regime up to the present time published in the Report of the Bureau of Forestry for 1899, the sequence of events leading up to conditions at that time was very clearly shown. It was pointed out that while the Home Government immediately after the conquest proposed to reserve all the timber land in Canada for Crown purposes, largely for naval construction, and a monopoly of cutting timber given to the Royal Dock Yard contractors, this was followed by a period of absolute free trade in timber in which anyone who chose might select a territory and remove the timber from it, paying a small charge only on the rafts as they went down the St. Lawrence for the purpose of improving the navigation of the river.

Gradually, however, the value of the timber from a commercial point of view became recognized, and there developed the policy of selecting the most merchantable timbers for the purposes of public revenue, and subsequently turning over the land to the individual settler in small holdings. In this way the lumberman was the precursor of the settler, affording him employment in the winter and a market for the produce raised on his holding in the summer. A very large part of the southern portion of Ontario was settled in this way.

Under this plan there developed a system of leases of occupation, or license, renewable from year to year, under which the lumbermen were allowed to remove the timber, paying therefor dues when cut, but as territory began to be reached that was found unsuitable for general farming, the time when these licenses ceased to be renewed became very indefinite. As settlement progressed north, a portion of country was reached in which this plan did not work satisfactorily. Areas of land were placed under license, which, when the more valuable pine timber was removed, were found to be not well suited for farming, although a great many settlers, misled

by the high prices received for produce during lumbering operations, were allowed to settle upon these areas finding when too late that the time had been wasted, and that the land was ill suited for their purpose. Other areas under license seemed to be composed of land that even an unpractical settler could see was not fit for farming, and on this territory the license was renewed from year to year.

Although it is probable that the Crown possessed and still possess the legal right to refuse to renew these licenses at any time, certainly at a period when it might reasonably be supposed that the original timber taken into account when the limit was first put under license had been cut off, yet the practice of renewing the license yearly, which had been in vogue for so many years, led to frequent transfers of these limits from one holder to another, and the cancellation or failure to renew the license would mean that the last purchaser of this limit would naturally be out of pocket on his investment. Hence the difficulty of cancelling these licenses except at a stated time a long period in the future.

It is also evident that large areas of land that had been held under license, in which settlers had been allowed to go, have been settled at a loss to the Province in revenue that would otherwise have been derived from the sale of the timber, and also a loss to the settlers themselves who would have been able to do very much better on land more suited for their particular purpose.

In 1896 the Director of Forestry recommended in a memorandum to the Hon. Mr. Hardy, then Commissioner of Crown Lands, the inspection and subsequent withdrawal from settlement of such areas as were found to be unsuited for settlement; that these areas should be kept for all time in the Crown for the purpose of growing timber crops for revenue and timber supplies. At the request of the Director of Forestry the Government the following year appointed a Royal Commission for the purpose of considering the condition of affairs at that time. On this Commission were two of the most prominent lumbermen in Canada, both since deceased, the late Mr. E. W. Rathbun of Deseronto, and Mr. John Bertram of Toronto.

This Commission approved the suggestion of the separation of agricultural from non-agricultural lands, and their report was followed by the passage at the instance of the Hon. J. M. Gibson, then Commissioner of Crown Lands, of the Forest Reserves Act, by which the Lieutenant-Governor-in-Council was authorized to set aside from time to time such areas of land as were found unsuited for agricultural settlement, to be kept perpetually in forest reserves.

Naturally, owing to the condition of timber licenses above referred to, only lands not previously under license could readily come under the operations of this Act. The first Reserve created under the Act was some territory in Eastern Ontario that had been many years under license, but from which nearly all the timber, certainly all the pine timber, of any commercial value, had been removed. Much of this had been burned over, and although it was under license at the time, an arrangement was made with the holder of the license by which he was allowed to cut such mature timber as might be found there during five years, at the end of which time no renewal of the license was to be had. This Reserve comprises about 80,000 acres, and is surrounded by a settled country.

Subsequently another small reserve, not under license, but which had been cut over and to some extent burned over, containing about 45,000 acres, was created, being part of the township of Sibley, on the north shore of Lake Superior, forming what is known as Thunder Cape.



During the regime of the present Commissioner, Hon. E. J. Davis, these Reserves were added to by the creation of the Temagami Forest Reserve about 1,400,000 acres in area in which no lumberman had operated. About thirty-seven years previously a portion of this had been burned over by a very extensive fire set by the Indians living within the Reserve, but this is all well covered with a very thrifty growth of pine and other trees, while the southern part of the Reserve contains a very large quantity of pine timber, much of it mature and fit for market.

Investigations are now being made of other territory with a view of extending the Forest Reserves, and it is likely that before the close of 1904, the Forest Reserve area of the Province will reach seven millions of acres, most of which will be territory that has not been visited by the lumberman.

(The question of the tenure of licenses above referred to was recognized by the Government in the sale of timber occurring in 1901, when the conditions of sale specified that the licenses would not be renewed beyond a term of ten years, after which the territory would revert to the Crown free from any claim on the part of the license holder. It was found, however, that the necessity on the part of the lumbermen who had paid a large sum in advance on this timber, of taking his timber off in so short a time caused rather reckless cutting, and the terms in the sale of 1903 was extended to fifteen years.)

While in the case of agricultural lands destined to be ultimately settled, and from which the pine timber is required to be sold for public revenue, this plan is probably as good as could be devised, it can readily be understood that the practice that will inevitably be followed by the license holder of taking all the timber off this territory that is big enough to cut at the end of the fifteen year period, will not conduce particularly to the largest revenue to the Crown that could be derived. If this timber were left to mature it would realize a sum that would doubtless more than meet the interest on the investment while it was growing to a larger size, but this applies of course to any form of selling timber by the bonus system where a large part of the purchase money is paid in advance.

(We therefore now have in the Province of Ontario lands still owned by the Crown that may be considered more or less permanent Crown Forests—lands under license for an indefinite period in which the lands are still owned by the Crown but in which certain parties have the right to cut timber subject to dues—a second class of territory for which license has been given for a fixed period, and a still further area which constitutes definitely a permanent Provincial estate in the Forest Reserves.)

Much of the land in the first class is known to be quite unsuited for farming and should be included in the permanent Crown Forest Reserves, and probably will be at some time, by negotiations between the Government and the holders of the licenses, an arrangement by which the license holders would be willing to pay to the Department a larger share of the value of this timber than is indicated by the fixed annual dues.

The policy of the Government at the present time as enunciated by the Commissioner of Crown Lands in regard to the disposal of the timber in the Forest Reserves proper, looks to the sale of this timber at public auction on a basis of the highest price per thousand feet on the stump obtainable, and not a sum paid in advance and subject to fixed dues. In this way a reasonable assurance may be had that only the mature timber will be sold and cut in such a way as to best secure a recurrence of the crop. The limited sale period fixed in the last two timber sales will permit the addition of these

areas to the permanent Crown Forest Reserves in case the land contained in these limits is found on inspection to be of a class unsuited for general agriculture.

The Reserves so far created lie at the head waters of streams, and the larger forest area will doubtless include the Laurentian country separating the clay lands of the north from the settled areas of the south, forming the watershed of the river systems flowing north and south, and will in the writer's opinion include eventually forty or fifty millions of acres.

What this immense territory kept permanently under forest and operated in a scientific manner, will mean to the future of this Province, it is very hard to estimate. The effect of this large forest on the water supply will be of incomparable benefit to future generations, and the revenue from it, under any proper system of management, will be such that the people of Ontario need have no fears of direct taxation until the public expenditures of the Province are enormously in excess of the amount now annually expended. •

## MUNICIPAL FOREST RESERVES.

### A SUGGESTION.

In previous reports of the Bureau of Forestry special emphasis has always been laid on the fact that in Ontario there are two distinct branches of the forestry problem, relating respectively to the territory the title to which remains vested in the Crown, and lands which have passed into private hands. In any intelligent consideration of the subject it is always necessary to keep this in view.

So far as concerns the portion of the Crown domain which is obviously unadapted for settlement and cultivation, the question, if not altogether settled by the adoption of a progressive forestry policy, is at least in a fair way towards a satisfactory solution, although many details of a more or less intricate character remain to be considered. As has previously been pointed out, the situation as regards the settled and privately owned portion of the Province is much less satisfactory, and the difficulties in the way of adopting anything like a comprehensive and effective forestry system are much greater by reason of the multitude of individual interests and vested rights involved.

In the report of the Bureau for 1900-1901, an exhaustive statement compiled from the returns of Township Assessors was given, from which it appeared that the proportion of woodland to total area in 36 counties is less than 20 per cent. There is no reason to suppose that the tendency towards deforestation has been arrested in the interval, in fact owing to the increased demand for wood of all kinds for fuel and manufacturing purposes, it is altogether probable that there has been a still further reduction in the woodlands of most of the older settled counties. It is a great deal easier to decry this tendency and point out the injurious effects which it must ultimately have upon our prosperity, than to devise any remedy capable of being enforced by public authority. Some progress has been made by the circulation of information concerning forestry, and tree-planting, but the efforts of a few public-spirited or far-sighted individuals who have taken practical steps towards the preservation or restoration of woodlands can do but little to counteract the general tendency towards over-clearance fostered by the increasing

market value of wood. With the great majority of land owners considerations of immediate personal profit are always likely to outweigh those of the general good, especially when, as in this case, the injurious effects of their actions is indirect and distant, involving no readily apparent personal responsibility.

In the portions of the Province where the soil is largely well adapted for agriculture, the forest areas must always be limited to the farm woodlots and shelter belts. With such limited and detached areas co-operation in management by the owners is wholly out of the question, and the hope for improvement, both in regard to the area and the quality of these woodlands, lies in the further dissemination of knowledge as to the value of farm woodlands, and of improved methods of woodlot management, together with the provision by the government of good planting stock of the most desirable species at reasonable prices, and such modifications of the taxation of woodlands as may be found in the public interest.

There are, however, large districts in the Province in which a very large proportion of the lands are strictly non-agricultural, but where the title to the lands has all but entirely passed from the Crown to private hands. In these districts there are large contiguous areas which are either wholly unfit for the production of any crop other than wood, or are, at least, much better adapted to being used for wood crops than for other crops. Such lands present an entirely different problem. Their present condition is that they are lying almost wholly unproductive, and their owners have neither the knowledge of how to again restore them to production by afforestation, nor the capital with which to do it. Nor would they have the power to protect the growing crop were both the skill and capital available to make the start.

The Districts of Muskoka, Haliburton and others furnish striking examples of the results of throwing open for settlement territory largely unadapted for agriculture. The settlers upon many of the lots being unable to live solely by cultivating their land, have in many cases when the timber has been removed, abandoned their farms. Much of this land if managed upon forestry principles would contribute a permanent source of wealth. But under the present system it is simply despoiled of its growth and partly farmed under very disadvantageous conditions, and partly allowed to remain waste, the second growth not being protected. A large proportion of the lots after being denuded of saleable timber are of so little value that the owners allow them to be sold for municipal taxes, and are frequently bought in by the municipalities. Were the townships permitted to retain the ownership of the lots which thus fall into their hands, the nucleus might in this way be established of a system of municipal forest reserves, which would not only supply the public requirements for timber for bridges, culverts, piles and other construction works, but would in time become a considerable source of revenue. As the law stands, however, municipalities can only buy lots offered at tax sales on condition that they be re-sold within seven years, so that the only result is that the old chaotic and wasteful process of exploitation is again put in operation.

As a preliminary and experimental measure looking toward the creation of small municipal reserves in settled districts possessing considerable areas of non-agricultural or inferior land, I would suggest that the Assessment Act be amended so as to allow townships to hold, in perpetuity, lots purchased at tax sales. If it were considered advisable, the power to hold such lands for a longer period than seven years might be restricted to such areas as the municipal council might by by-law set apart as forest reserves, subject to



such regulations regarding their management as might from time to time be enacted by the Provincial administration. The small value attaching to such waste and partially denuded areas as the abandoned clearings which are sold for taxes, enables the community to reclaim at trifling expense a large portion of the territory which should never have been allowed to pass into the hands of private owners, and the communities more especially interested ought to be permitted to take advantage of the opportunity thus presented to restore to useful production by reforestation such lands as have proven unfit for agricultural development.

With the opening up of large districts of New Ontario for agricultural settlement, still another phase of the question has arisen. Recent explorations have already established the fact that beyond the broken and sterile region immediately north of the settled part of the Province and the upper lakes, lies a broad belt of fertile country stretching across the Province, estimated to contain at least sixteen million acres of first class arable land.

The extreme eastern portion of this belt extending to the shores of Lake Temiskaming has for some years been open for settlement, and new townships are being rapidly surveyed and taken up. With the opening up of the country by the Temiskaming Railway, the Grand Trunk Pacific, and other lines of communication in the near future, the occupation and settlement of the entire fertile belt may be expected to take place before many years. In the course of a generation or so this new and at present largely unknown district will in all likelihood be as thickly populated as are the agricultural portions of older Ontario.

Unless there is some important change in the conditions under which this area, of itself a Province in extent, is allowed to pass from public to private ownership and control, the experience of the frontier countries of Ontario as to deforestation will certainly be repeated. Already in the Temiskaming townships where settlers have been in occupation for some years, the process is far advanced. The settlers are clearing the timber from their lands with little thought or care for future requirements. The clearance is more rapid and thorough than was formerly the case, because of the demand for timber of many kinds that were unsaleable in the early days, and which when not growing on land immediately required for the plough were allowed to remain standing. Now, however, when the settler can turn into ready money almost any tree of commercial size, operations are not confined to the clearing of the soil needed for cultivation, but the timber growing on hill-sides and on rough or broken ground is cut down and readily disposed of. The settlers moreover are inclined to be careless as to the spread of forest fires either on their own or adjoining property, so long as their buildings and crops are not endangered, on the ground that it facilitates the work of clearing.

In cutting timber for sale, the usual practice is to deliver it on the bank of the nearest floatable stream by which it is forwarded to its destination. As a consequence the land in the immediate neighborhood of the water courses, which ought to be kept largely in forest if the even flow of water is to be maintained, being most cheaply exploited, is being extensively cleared regardless of its adaptability for agricultural purposes. The result is certain to be that the same unfavorable conditions for the conservation of moisture for the farm crops and the regulation of stream flow will quickly obtain in the newer townships as have long prevailed in the older counties of the Province.

So long as the present system of settling or granting the entire area of a township opened for settlement with full rights of ownership to the settlers, is continued, it is useless to expect any change for the better as regards the



preservation of a due proportion of woodland. In fact the inducements to destroy the forest wherever it passes into private hands are continually increasing with the growing demand for timber and the greater facilities for its transportation to distant markets.

A large proportion of the settlers in any new country are in needy circumstances, and one of the great inducements offered by New Ontario as compared with the Western prairies is the source of immediate income presented by the timber on the land. When an opportunity is offered to supplement their slender resources by marketing the forest growth, it cannot reasonably be expected that men to whom every dollar is an object, will discriminate closely between timber which may advantageously be cut without detriment to the general interest, and that which by reason of its location or the character of the soil it clothes ought to be preserved. If the large tracts of the great clay belt which will shortly be thrown open to a great influx of homeseekers are to be saved in any measure from a deforestation as complete as has overtaken the arable lands of the Western peninsula, it can only be done by a radical change in the methods of survey and settlement regulations before the Government has parted with its title to the soil.

If the threatened peril is to be averted, the public should retain the ownership, or at any rate the control of a sufficient proportion of the areas thrown open for settlement to insure the preservation of an adequate proportion of wooded land to maintain the most favorable conditions of climate and water supply for the development of the districts in question. The ideal system which would secure the maximum of productiveness both as regards agriculture and the industries dependent upon wood as a raw material, would be the maintenance of a number of small local timber reserves interspersed throughout the cultivated districts under some form of efficient public control. While it may not for various reasons be possible to at once establish such a system on as comprehensive and scientific a basis as could be desired, a beginning should at least be made by the setting aside before the country is opened up for settlement such small tracts of land as are obviously better adapted for the growth of timber than for tillage.

#### NEW RESERVES.

Having in view the disastrous results of wholesale deforestation in the portions of the Province already fully settled, and also bearing in mind the need for securing an adequate local supply of timber and fuel for the future population of the arable regions of New Ontario, it seems desirable that before any new township is thrown open for settlement, the surveyors be instructed to report as to rough and non-agricultural land embraced within its boundaries with a view to withdrawing such areas from settlement and retaining them as timber reserves. The surveyors in addition to considering the nature and quality of the soil, should also be instructed to have special regard to the location of such non-arable or poor lands as regards streams and water-courses, as an important factor in deciding whether such land should be reserved or thrown open for occupation.

#### RESERVES IN OLD TOWNSHIPS.

Should the Legislature deem it advisable to permit Ontario municipalities to acquire and hold lands as timber reserves, precedents are not wanting in our legislation for such a limited degree of provincial supervision as would insure the permanent and continuing interest of the public from being sacri-

ficed to temporary expediency or obvious mismanagement. If the Province can legitimately interfere to prevent a municipality rashly incurring liabilities out of proportion to its assessed value, and so laying a heavy burden upon the ratepayers of the future to obtain an immediate benefit, it might with equal propriety assume the duty of safe-guarding the interests of coming generations by protecting its assets in the form of forest property from dissipation. It would certainly be advisable that the Government should exercise such a limited measure of supervision as would prevent municipalities from yielding to the same temptation which usually proves too strong for individual owners to sacrifice the reproductive character of the forest in return for large immediate gains. Were the local management of small reserves to be absolutely unrestricted as the rights of private land ownership, it can readily be understood that in communities possessing only a rudimentary notion of the forest as distinct from the selling price of the standing timber, the pressure brought by the rate-payers to realize on the timber as soon as it became a saleable commodity and thus reduce taxation, would frequently prove irresistible.

Details as to the management of these reserves may well be left for future consideration. The all-important matter at the present time is to prevent wholesale and indiscriminate alienation of the title to lands in the new settlements under the pressure of a sudden influx of population, and to provide for the reclamation of waste lands in the older townships which have been abandoned for taxes and which under our present laws remain wholly unproductive and a menace to adjoining properties.

---

## FARM FORESTRY.

BY C. W. NASH.

When the pioneer settlers of what was known as Upper Canada, first entered upon the land, they found it covered with a magnificent growth of forest trees. These trees for many generations, provided all the material for building, fencing, fuel and many other of the necessities required by the colonists and in that way proved to be the greatest blessing that could have been conferred upon them. On the other hand the trees were the greatest obstacles the settlers had to encounter in their endeavor to make a living from the soil. So laborious and slow was the process of clearing and stumping, when the only available means of doing it, were the axe, a yoke of oxen and a logging chain, that it is not surprising that these people and their descendants should look upon trees as their greatest enemy and that they should not, when they were clearing their homesteads, have stopped to enquire into the relations which the forest would bear to the future work of the farmer. Their conditions at that time were onerous in the extreme, they had no market for their timber and no roads over which it could be carried to get it to the sea and surrounded by what must have seemed to them an unexhaustible amount of timber they naturally disposed of what was in their way in the fashion that came easiest to them. Small blame therefore should be attached to them for having cut and burned somewhat wastefully, the forest which stood between them and the soil they were anxious to cultivate. The loss incurred by the destruction of the forest in these early days, was however confined to the value of the timber itself, which might, had it been judiciously conserved, have been converted into great wealth by its owners.

The most inexcusable destruction of woodlands and that which is now having a seriously injurious effect upon the agricultural interests of the Province has taken place during the last thirty years during which period the country has been denuded of trees to an extent which cannot be justified by any method of reasoning. Rocky ridges which can never by any possibility be made to produce a crop have been cleared of the last stick; steep hillsides and banks of streams have had everything cut from them down to the last sapling, leaving bare stretches that are neither profitable, nor pleasant to look upon and other waste lands which if kept under trees would have been directly or indirectly of great value are now worthless and injurious beds of weeds. The injury done by deforesting the rocky ridges will be difficult to remedy. The trees being cut entirely off, has exposed the surface to the rain, sun and wind, so that the soil which once sustained the trees and which was the accumulation of ages has been blown, or washed off and cannot readily be replaced. Steep hillsides and banks of streams may by judicious re-planting be redeemed and made in a few years, to support a substantial growth of young timber.

The greatest evil, however, in this connection has arisen by reason of the disturbance of the balance in nature, which requires to be maintained in order to secure the best agricultural conditions. Long continued and most careful investigations have proven conclusively that all forms of life and all conditions in nature are dependent one upon another and that no change can take place in one condition without corresponding changes in others. In no case is this more clearly exemplified than in the relationship which exists between the forest cover, the water supply and the climatic conditions of a country. In Europe, in Asia, and in some parts of North America practical experience has shown that where excessive deforestation has taken place, it has invariably followed that the natural water supply was injuriously affected and that other climatic changes took place which were prejudicial to successful agriculture. It has been found in practice that in order to obtain the best agricultural conditions in Eastern North America from twenty to twenty-five per cent. of the land should be under timber; in flat and low lying districts the minimum quantity would be sufficient but on very high or rolling lands, if of wide extent, a larger proportion is necessary. According to recent statistics the land of southern Ontario is divided as follows: About eighty per cent. is cleared and under cultivation, about nine per cent. is woodland and the remaining eleven per cent. is waste and unproductive. Owing to the great demand for easily accessible timber, the small proportion of woodland is rapidly being cleared and no provision is being made for its reproduction. It is absolutely essential for the maintenance of proper agricultural conditions that the woodlands now existing should be preserved and that the so-called waste lands now lying idle and unproductive should be re-planted.

The permanent maintenance of the existing woodlands and the planting of all waste and unprofitable land to trees would give about the proper proportion of forest cover to clearing and would produce direct and indirect benefits to the country, greater than any reform in agriculture which has ever been introduced to the farming community. In order that the farmers who own the great bulk of these woodlands should be induced to maintain them permanently both to furnish the needed timber supply and for their influence upon the water supply and climatic conditions, it is necessary that practical and paying ways of using them should be devised, for unless they can be made to yield a fair rate of interest upon the capital invested, it is certain that they will soon disappear. That this can be done and is being done is proven by the experience of many farmers in our own Province and



in the adjoining States. It is merely a matter of education and the adoption of improved methods. The difference in results between the old haphazard way of slashing and chopping out a wood-lot and the modern scientific way of dealing with it is enormous; while on the other hand the cost and labour of doing the same work, so that the productive value of the lot will be improved is not increased.

Not only is it essential that the woodlands now existing in the settled parts of the Province be maintained and properly used, but also that such portions of our lands as are not well adapted for agriculture, should be planted with trees at the earliest possible moment. It is not to be supposed nor is it suggested, that good arable land which has been laboriously cleared and fitted for the production of cereal crops should be allowed to lapse into a state of nature, or be planted with trees for the purpose of producing a wood-lot, but it is urged that the rough and unprofitable tracts of lands to be found in even the best sections of our country should be utilized in this way, so as to be of direct benefit in furnishing such wood material as is ordinarily required for farm purposes and for the purpose of conserving moisture, protecting the springs and streams, forming windbreaks, binding the soil of hillsides and conducting lightning. No doubt the very best timber produced is that grown upon land which is the most perfectly adapted for agricultural purposes, yet it fortunately happens that there are amongst our native trees, many species yielding useful wood which will thrive well upon soils and in situations unfit for profitable cultivation. There is in fact no rough land upon which some class of tree will not grow to serve a useful purpose.

#### EFFECT OF TREES UPON THE WATER SUPPLY.

During the past twenty-years the progress made in agriculture in Ontario has been very rapid; our farmers having as a rule fully realized the fact that if they are to succeed in keeping the productions of their soil in quality and quantity equal to that of other nations, they must acquire a knowledge of the natural laws which govern the production of plant and animal life and apply that knowledge to their every day practice on the farm. By careful cultivation the mechanical condition of the land, has in many cases been brought well up towards perfection and by the proper rotation of crops and scientific manuring the soil has been well supplied with plant food, yet only too often there is a failure in obtaining expected results because of an insufficient supply of that most necessary element, water.

The quantity of water required by plant life is enormous. Mr. Lawes found that in a plant of any one of our ordinary grain crops more than two hundred grains of water must pass through it for a single grain of solid substance to accumulate within it. He states the evaporation from an acre of wheat during the period of its growth to be 114,860 gallons, with clover it is rather more, with peas and barley less.

As this supply of moisture is furnished by the water in the soil it is necessary in order that the plant can develop itself normally that the soil moisture shall be equal at least to the volume of water given off by the leaves. Should this equality be disturbed the leaves droop and dry up and the plant will eventually die.

Water is the vehicle by means of which the mineral food of the plant is carried from the soil to its leaves, it is also necessary to keep the cells expanded, so that the plant may have sufficient rigidity to enable it to maintain its natural position and so permit all its parts to perform their various func-



tions. An ample supply of water therefore, is the first essential to the production of crops, without it, the most skilled tillage is labour lost, and the richest plant food will lie in the soil unavailable to the plants for which it was intended.

The management of the water supply thus becomes one of the greatest problems the farmer has to solve; upon it depends the success or failure of all his efforts and with the solution of this problem, the forestry problem is most intimately connected, for without the maintenance of a proper proportion of woodland, no systematic water management is possible to us.

Of late years the failure of our springs and streams has been very noticeable, wells have gone dry which never were dry before and constant stirring of the soil in cultivated fields has become a necessity in order to keep the crops growing at all: this certainly has not been caused by any deficiency in rainfall, for of that during the past two or three years, there has been ample. That the precipitation of water either in the form of rain or snow has not been scanty is evidenced by the fact that Lake Ontario has been for some time and still is much higher than it has been for many years; yet in most counties conditions approaching a water famine are existing. These constantly recurring droughts are becoming a very serious matter, they used not to occur in former years as often as they do now, nor when they did occur, were the streams, springs and wells affected to an appreciable extent. The reason for this should be patent to every farmer who sees in the spring, the water from the melting snow running rapidly over the surface of the land and pouring into the streams converting them for a time, into raging torrents of muddy water, which develop into a flood when they join the river below. During the summer months the greater part of the rain which falls passes off in precisely the same way, a few hours precipitation sufficing to fill the channels of the streams with a great volume of surface water which carries with it to the lakes a vast amount of plant food leached from the soil and the small quantity of water absorbed by the surface of the land being exposed to the action of the sun and the drying winds which sweep over it, is evaporated too quickly to be of service to the crops and cannot by any possibility penetrate deep enough to replenish the underground springs which supply the wells. Thus it is that in all countries, having a similar physical conformation to ours, when the land has been over-cleared, droughts and floods alternate, rendering in the end successful agriculture impossible and causing serious injury to all other industries. This is no new experience: Mesopotamia once a paradise of fertility has become a waste by reason of over-clearing. Palestine almost equally celebrated, is now barren from the same cause. Greece and Sicily have lost their productiveness and some of the most fertile districts of France have suffered severely from the effects of excessive deforestation. In 1803, The Agricultural Society of Marseilles asked the government to intervene on the ground that "The winters have become more severe, the summers drier and hotter, the beneficial rains of spring and autumn fail; the Méjeanne river tears away its banks after the slightest thunder storm and inundates the richest meadows, but nine months in the year its bed is dry, since the springs have given out and irregular and destructive thunder storms are of more frequent occurrence." For some years the Eastern United States have had to contend with the same difficulties but strenuous efforts are now being made by the people of that country to overcome them by conserving the woodlands still remaining and by re-planting where trees are required.

Not only is the failure of the springs and drying up of the streams by reason of excessive clearing a matter of supreme concern to the farmer, but the possible loss of valuable waterpower through the destruction of the na-

tural reservoir for the snow water, is a cause of anxiety to all classes of the community. Power obtained from electricity will undoubtedly be a most important factor in the industrial development of the Province and the cheapest method of generating electricity is by using the force of rivers and streams.

A proper proportion of tree cover on the land, conserves the water derived from the snow of winter and the rains of summer and regulates its distribution at all seasons in such a way as to provide a continuous and even supply for all purposes in nature; by changing surface drainage into sub-soil drainage and by lessening the evaporative effects of sun and wind. It keeps the soil porous and with its deep reaching root system assists the percolation of water from the surface to the soil beneath. Water falling upon tree covered land finds its level underground and furnishes the required constant supply to the fields, replenishes the underground springs which feed the streams and ensures their regular and even flow. There is also a natural process at work, which causes water to rise to the surface from greater depth in the soil than the roots of our cultivated plants can reach, bringing with it as it rises soluble plant food which would be otherwise unavailable, in this way the fertility of land well supplied with soil water is kept up under heavy cropping.

#### THE WOODLOT.

One of the greatest conveniences a farmer can have upon his property is a woodlot, well stocked with a variety of thrifty well grown trees, upon which he can draw, as occasion requires, for such wood material as he needs for his own use; with some to spare, at times, for the market. Not only is it to be considered as a convenience, but if properly situated and well managed, it can be made to produce as good a profit upon the money invested in it, as any other part of the farm, this, of course, would hardly be the case if the best quality of arable land was used for the production of ordinary timber. The wood lot should occupy the poorer parts of the farm, rocky or stony land, the thin-soiled ridges, very dry sand tracts and such wet or swampy places as are not well fitted for agricultural purposes. There is a great deal of land of this sort throughout the Province now under cultivation which has never paid for the labour put upon it and never will. Even in our best districts there is too much land worked unprofitably. Ridges crop out upon which the soil is too thin to support a growth of cereals. Swampy places there are, of large extent too wet and sour for cultivation, and small irregular fields which cost more than the crop is worth to work. All such places as these and the odd corners and fence rows would support a growth of timber, not only valuable in itself, but which would have a wonderful effect upon the fields and orchards in conserving moisture, acting as wind-breaks and providing shade for cattle.

In order to meet the requirements of an ordinary farm it is desirable to have a variety of species of trees growing in the woodlot, both because it is generally considered that a mixture of species is easier to manage, under farm conditions than any one species alone and because it will then furnish the necessary variety of wood products. Certain classes of trees are, however, only adapted to certain sites and soils and while they may exist and even make growth in situations unsuited to them, yet under such circumstances they will never attain satisfactory development. This is a matter that requires consideration when planting has to be done and also when thinning is necessary for the improvement of the lot. In the latter case trees not well adapted to the locality or soil should be taken out first, that the growth of more suitable species may be encouraged.



The uses to which farm grown timber can be put, are almost incalculable and the demand insaliable, even such poor varieties as the poplars and willows have a commercial value sufficient in many places to make their production profitable, apart from their indirect value as soil binders, wind-breaks and cover crops, while white pine, tulip, walnut, oak, ash, hickory and some others, are standard woods in the markets of the world. With the exception of white pine the bulk of these woods, so far as we are concerned, will have to be drawn from the farmers' woodlot. And so long as present conditions exist the fuel of the rural districts will be derived from the same source. First-class dimension timber can generally only be produced under real forest conditions and some considerable time is required for its growth, but it is often possible to carry a certain proportion of trees for this purpose in the ordinary woodlot.

Where several kinds of trees are grown together some care must be exercised if a proper proportion of each is to be maintained. Inferior but fast growing trees must be culled out from time to time as they reach useful size, while the more valuable species if of somewhat slower growth should be protected and encouraged. Special attention requires to be paid to the light requirements of the saplings of each variety at each stage of its growth, and if it is intended to provide indefinitely for a constant supply of timber to meet the demands of the farm or market, good judgment must be used when cutting out trees in order that a regular succession may be kept up.

Various systems of managing a woodlot may be adopted both to ensure permanence and profit. Where only firewood fencing, hop poles, box lumber or such small stuff is required and the woodlot is composed of deciduous trees only, the copse or coppice method, viz., growing from sprouts, will do very well, but if dimension timber is desired or a growth of pine, spruce, hemlock or other coniferous trees is the object to be attained, the coppice system is not available: in such cases natural seeding or re-planting are the only sources to be relied upon to keep up the supply. Planting is always troublesome and more or less expensive but may under certain circumstances become absolutely necessary. Natural seeding costs nothing, is no trouble and is the most certain and in every way the most satisfactory method of keeping the woodlot up to its best standard of production. A proper proportion of seed bearing trees should therefore be retained in such positions over the whole lot, as to ensure their furnishing sufficient seed to re-plant each portion of the wood lot as the timber is taken off it. This does not mean the maintenance of a lot of old trees upon the land until they shall have lost their usefulness as timber, but merely until such time as the cleared area surrounding them produces a strong growth of saplings from the seed which they have dropped. Provision for this can best be made by doing the annual cutting upon a regular system under which the young growth outside the area to be cut over will be safe from injury and the cleared portion will be at once seeded by the seed bearing trees left for that purpose. In some parts of the county there are still woodlots in the possession of farmers which have been regularly and systematically cut over for thirty or forty years but which show no signs of deterioration simply because the work has always been properly done with a view to the reproduction of the trees and care has been exercised at all times to avoid the destruction of the saplings.

It is sometimes urged by farmers who probably have given but little thought to the matter that tree planting or more careful management of existing wood lots would never pay, that the returns would be so slow, they would never in their lives reap any benefit from their work and outlay. It has already been said that from a financial point of view it might not be advisable to plant trees on good arable land, for the purpose of converting it

into a woodlot, because the direct benefits to be derived from tree planting are not immediately convertible into cash, nor would the returns, calculated yearly, from such land be as great as from ordinary field crops but with lands not well fitted for agricultural purposes the case is different, from land of this class tree culture would undoubtedly give a larger and more certain profit than could be obtained from any other crop; while the indirect benefits of tree covers as soil binders, wind-breaks, and in the conservation of moisture and the protection of springs and streams would be very quickly realized and appreciated.

Not only is it possible to show that the farms of the country would speedily receive practical benefits from tree planting, but also that in actual money return the investment would in a few years be a paying one. Take for instance a rocky thin-soiled hillside which is now producing nothing but scanty pasture for a few weeks each season; scratch this over in any way possible and seed it thickly with chestnut, walnut, hickory, white oak and white pine, where these will grow, substituting others for them, where they will not. If the growth is as successful as it should be, the first thinning can be made at the end of ten or fifteen years, when a large quantity of hop poles, etc., would result in a few years another crop of the same character could be taken, of more value than the first and from that time onward fair yearly interest on the investment will be obtainable.

Dimension timber can be obtained from straight clean grown trees of any reasonable size and this necessary size is attained in very much less time than is generally supposed, of course soil and situation has as much to do with the growth of trees as with every other form of plant life. In this Province tree growth is fairly rapid where ordinary conditions prevail. The following dimensions have been attained by planting trees in Ontario in the times stated and may be considered to show the average rate of growth under favorable circumstances.

#### ELM.

Three trees taken from the woods, when about six inches round the stem and eight and nine feet high; at forty-five years old, measured at three feet from the ground were:

(1). Sixty feet high, eight feet in circumference (30.6 inches in diameter).

(2). Sixty-five, high, eight feet two inches in circumference (31.2 inches in diameter).

(3). Sixty feet high, seven feet nine inches in circumference (29.6 inches in diameter).

#### RED OAK.

Planting as a sapling in forty-eight years attained a height of fifty feet and measured five feet eight inches in circumference, at four feet from the ground. (22 inches in diameter).

#### MAPLE.

Three trees (species not stated) taken from the woods when six or seven feet high, attained in forty-eight years:



(1). Sixty feet high, six feet five inches in circumference, (20.7 inches in diameter).

(2). Fifty feet high, six feet in circumference, (23 inches in diameter).

(3). Fifty-five feet high, six feet in circumference, (23 inches in diameter).

The circumference of these trees was measured at four feet from the ground.

#### BUTTERNUT.

A tree forty-eight years old measured six feet in circumference (23 inches in diameter) at four feet from the ground and attained a height of seventy-five feet.

#### ASH.

Two ash trees (species not stated), at fifty years of age attained respectively heights of fifty-five feet and sixty feet and in circumference measured six feet (23 inches in diameter), and six feet five inches (24.5 inches in diameter) at three feet from the ground).

#### WHITE PINE.

Two, which had been planted fifty years, attained a height of between sixty and seventy feet, and measured in circumference at four feet from the ground, five feet (19 inches in diameter), and six feet six inches (24.8 inches in diameter) respectively.

Experiments with the Black Walnut as far north as Lindsay prove this to be a valuable species for planting. Trees in fourteen years from the seed, attained a height of twenty feet and were eighteen to twenty-one inches in circumference (5½-6½ inches in diameter).

That the Poplars are very rapid growers is well-known, a number of Lombardy Poplars measured when twenty-two years old gave circumferences from six feet (23 inches in diameter) to eight feet four inches (32 inches in diameter).

It will be seen therefore that within about forty-five years; properly transplanted trees will attain sufficient dimensions to render them of great value for any purpose for which timber of moderate size is suitable and that where close planting is practised (as it should be) the woodlot can be relied on to give fair returns in the meantime.

It is often said that the farmers of this country compose the one perfectly independent class of the community no matter what may happen to the other industries in which our people are engaged the farmer's lands will always supply him with all the necessaries and many of the luxuries of life. This was perfectly true so long as the land bore its fair proportion of trees, but of late years owing to the excessive and wasteful clearing which has been done the farmers have become dependent upon the miners and the railways for their fuel, and will (if prompt steps are not taken to prevent it) shortly have to resort to some system of irrigation for water. The fuel question is a very serious one. During the winter of 1901-2 the coal workers strike in the United States brought home to us with startling force, the fact that we were dependent entirely upon a foreign country for heat and power. A coal famine was experienced and great suffering and loss resulted. Up to that time no such possibility had been contemplated by our people and no provi-

sion made to meet such a case. Many things, however, may arise to cause a repetition of the trouble and every year that passes sees our local and natural fuel supply diminishing. This must be remedied and steps to that end should be taken at once for how in our climate can business be carried on or people even exist through the winter months without a plentiful supply of fuel at reasonable cost? It may, however, be, that with increased knowledge of the forces of nature and their scientific application to every day life; substitutes for wood and coal as fuel may be found but there will still and must always be an ever increasing demand for wood products for other equally essential purposes.

#### WIND-BREAKS.

Under modern conditions, the farmer not only requires to cultivate his land to the best advantage, but must also provide for a constant water supply and to a certain limited extent regulate the climatic conditions of his farm. For the processes of nature no longer supply his soil with plant food, nor provide sufficient water in available form for his crops and live stock, and excessive clearing has laid his fields open to the injurious effects of alternate freezing and thawing in winter and of drying, and crushing wind storms in summer.

The effect of ordinary tree cover such as would be maintained in a well settled agricultural country, in producing increased rainfall is not likely to be great, but the influence of tree cover in conserving the water derived from melting snow or from rain, is of paramount importance. This effect is mechanical. In a thickly grown woodlot the action of sun and wind is reduced to its minimum, the snow melts slowly, and but little moisture is carried away by evaporation. Windfalls, dead leaves, twigs and branches cover the ground and form a mulch which keeps the soil beneath in a porous condition: the water is absorbed and held there for gradual and even distribution.

A few rows of trees grown as a wind-break or shelter belt also exercise a beneficial effect in the same way, by breaking the force of drying winds, whereby rapid evaporation is checked and thus more moisture is absorbed by the soil and remains available to the crops and also retaining the snow where it falls and delaying its melting in the spring. Where such shelter belts exist the snow cannot be drifted off the fields by the winds and when it melts is disapepars slowly, sinking into the soil rather than flowing off over the surface and carrying with it the soluble fertilizing elements exposed to its action.

To the fruit growers of the inland districts, the effect produced by this retention of snow is important. It results in checking the premature appearance of fruit blossoms and thus prevents injury by late spring frosts. operating in this respect in much the same way as large bodies of water are known to do.

The value of shelter belts to live stock is too well known to need special reference. Animals of all kinds instinctively seek the shelter of trees to avoid the scorching sun and drying winds of summer and the cutting blasts of spring and fall. The loss incurred by stock feeders and dairymen owing to the exposure of their cattle in pastures unprovided with shelter can hardly be estimated in dollars and cents, but it must each year, be far more than it would cost to establish wind-breaks on every necessary place about the farm. Some of the most troublesome insect pests which affect cattle, will not molest them when they are standing in the shade and relief from this annoyance alone, would result in improved condition and greater returns.

It would almost appear that the great majority of Ontario farmers have accepted the conclusion that fall wheat can no longer be profitably grown in this Province, a considerable acreage is however, annually sown, because the work can be done in the fall when other matters are not pressing, it is a useful crop to bring into the rotation and the straw is much needed for bedding, etc., but the yield is so small they doubt if it pays. The average yield is certainly small, something less than twenty bushels per acre, but is it necessary so? With all our increased knowledge and improved methods of cultivation, cannot this valuable cereal be grown as successfully as it was formerly?

Up to forty or fifty years ago even with the very rough system of farming that was practised in those days and despite the fact that the fields were encumbered with stones and stumps to such an extent, as to occupy a considerable portion of the available land, the average yield of wheat seems to have been nearly double what it is now. Exact statistics covering that period are not obtainable, but there are many records brought down to us proving that very large crops were harvested; forty to fifty bushels being a common yield and in good seasons and under favorable circumstances even now.

Some years ago an effort was made to ascertain the cause of the failing yield of the fall wheat crop. Experienced and prominent farmers from nearly every county in the Province were asked for their views on the matter and the result of the enquiry showed: That there had been a gradual decline in the yield of fall wheat since the country had been over cleared. Farms protected by bush on the north and west uniformly produced good crops, while on those exposed, the wheat was always injured or winter killed.

The same conditions prevail to-day, where shelter exists, wheat can be successfully grown and if modern methods are adopted, the yield should be greater than it ever was. The effect of cutting away all the bush was to allow the wind to sweep across the fields and carry off the snow, which, if allowed to cover the crop protects it from the intense cold of winter and the evil effects of alternate thawing and freezing towards spring, this last process being particularly fatal to wheat and causing much loss by heaving clover. A solid bush is not necessary for the purpose of furnishing the needed shelter, nor to prevent drifting. Well placed wind-breaks composed of a few rows of trees will answer the purpose perfectly and well repay the money and care required for their establishment.

Situated on the high ridges and along the top of slopes, a belt of trees will give effective protection against the high windstorms which frequently occur with or immediately after the summer thunderstorms. If these storms occur in over cleared districts when the grain is heavy in head, the crop is sure to be so badly beaten down that it cannot rise again, it is then difficult to harvest and the yield is sure to be largely reduced. As these winds travel with great velocity parallel to the surface of the earth, any obstruction, strong enough to resist them will naturally turn the current of air upward and so deflect it as to protect the land under its lee for some considerable distance.

In districts devoted to market gardening or fruit culture, the protection to be obtained from such shelter belts may be an essential to success in preventing unreasonable frosts. It is not to be understood, however, that narrow belts of trees suitable for windbreaks would have an appreciable effect on the general climate of a wide area of the country, but for local purposes,



the planting of ridges and hill crests and the consequent heightening of these elevations, will result in the creation of currents which will carry off the cold air and prevent it from settling on the lower lying lands thus largely reducing the possibility of late spring and early autumn frosts.

Good shelter belts can be made by planting two or three rows of evergreen trees placed about ten feet apart, with a distance between the rows, of five feet. They should be planted so as to break the spaces between the trees in the rows. A shelter belt planted in this way with two rows on the north and west sides of a square ten acre field would require two hundred and sixty trees. The best trees for this purpose are the Norway Spruce, the native White Spruce, White Cedar and the European Larch. The last named is not an evergreen, but it throws out a great number of small interlacing branches which afford good protection. Hard Maple may also be used to good effect.

#### BANK AND HILLSIDE PROTECTION.

In many parts of the country steep hillsides, and the banks of streams have been entirely cleared of the trees which once covered them, the result being large areas of land totally waste and unproductive. These banks are now perfectly bare; the drying action of the sun and wind scorches every form of vegetation as soon as it germinates and the water of melting snow and rainfall erodes and gullies the soil, carrying vast quantities of it on to the flats below and into the streams which drain them; by this means many acres of good pasture land are temporarily and in some cases permanently ruined and the once clear gravelly streams are choked up and converted into muddy ditches, the spawning beds are destroyed and no valuable fish can live in them. The losses caused by clearing the lesser banks and hillsides has already been very great, but if the destruction of trees now being carried on along the steep slopes of our mountain sides is persisted in the consequences will be more serious still. In all countries where the mountain slopes have been divested of their timber, landslides which cause great loss of life, and destroy much property, are of frequent occurrence and many once fertile valleys are now rendered uninhabitable from this cause.

Where very steep banks and hillsides have been entirely cleared and the soil is much gullied out, some difficulty may be experienced in establishing a new growth of valuable trees. In most cases it will be found necessary first, to bind the soil and obtain cover, by planting willows or poplars and after these have attained sufficient size to afford shade and prevent erosion, more useful varieties may be introduced amongst them, Willows are very rapid growers and are unexcelled as soil binders. They can be very readily grown from cuttings roughly planted in the spring and unless the conditions are very bad will usually establish themselves sufficiently during their first season to be safe.

In some parts of the country a good deal of fertile land is rendered uncultivateable owing to the winding of the streams which traverse it. In others the waters are constantly undermining the banks causing them to cave in, by reason of which various troubles may arise. Attempts are sometimes made to control such waters by cutting straight channels through which they may flow; the banks of such channels are, however, almost certain soon to be washed out, with the result that the stream is constantly polluted or choked up by the soil carried away. This difficulty can be avoided by planting willow cuttings in the banks of such channels along the water's edge. The roots formed by the growing plants will soon bind the soil suffi-



ciently to protect the banks against the action of the water, even when in freshet. The white willow is admirably adapted for this purpose, the ease with which it may be propagated and the rapidity of its growth making its use very simple and effective. Cut banks should slope gradually to the water's edge, if left perpendicular they are likely to wash out so rapidly that the cuttings are liable to be undermined and thrown into the stream before they can obtain roothold.

#### TREES AS LIGHTNING CONDUCTORS.

The general impression that thunder storms occur with greater frequency since the excessive clearing of the land and that more property is annually destroyed by lightning is undoubtedly correct. Statistics gathered in the United States and Canada show an ever increasing number of barns and farm buildings burnt after having been struck by lightning during the summer storms. Careful analysis of these reports shows, however, that farm buildings can be rendered comparatively safe from lightning if properly protected by trees. The trees should be so planted that their branches when fully developed will not touch the buildings. Groups of tall growing trees such as elms, maples, etc., at a distance equal to the height they will attain, from the buildings they are intended to protect should answer the purpose perfectly well.

Trees do not afford protection because they are more liable to be struck by lightning than buildings, but by reason the fact that when growing in groups they draw off harmlessly the electric fluid which would be concentrated over a single tree or building and then discharged in greater quantity than can be immediately conducted to the ground.

#### CONCLUSION.

Just as a chain is useless with a defective link, so successful agriculture cannot be carried on if any one of the essential elements be missing. A soil well stored with mineral plant food must be provided; the land must be cultivated to bring it into proper mechanical condition and render the required minerals available to the crops, and then a regular and sufficient water supply must be maintained to enable the plants to utilize the food contained in the soil and to perform all their natural functions. There are, of course, other factors necessary to the successful production of the various plants we cultivate, such as light, air, heat, etc., but these are not controllable in ordinary farm practice. Of late years great improvements have been made in our methods of cultivating the soil and manuring; but the effect of this has to a considerable extent been offset by an insufficient water supply during the growing season. It is therefore, absolutely necessary, if we are to maintain the best conditions for agriculture in this Province that immediate steps be taken, by the farmers themselves, for the regulation and conservation of a sufficient water supply and this can only be profitably or economically done by the planting of our waste lands with trees and the maintenance of the wood lots now standing. It is not meant that no trees should be cut, that would be poor policy and wasteful in the extreme, but that when cutting is done, proper care should be exercised to protect the young growth and a system adopted which will insure the reproduction of sufficient trees to replace those necessarily taken out.

In many sections of the Province there are wide areas of rough land from which all valuable timber has been stripped. Upon these lands a good

growth of seedlings has sprung up which would soon become established and form good trees, were it not for the fact that cattle, etc., are permitted to run at large there at all times. This is a most injurious and wasteful practice for nothing is so disastrous to young trees as the browsing of animals. Even if the trees are not killed outright, the top shoots will be eaten off with the result that the shaft of the tree will be crooked and so deformed as to be of little value. Where it is intended that a wood lot shall be maintained for any purpose whatever, animals should be prevented from running in it more particularly should this be observed where tree cover is required, for the protection of springs and streams and mountain or steep hillsides, in such cases the undergrowth is of much importance in preventing evaporation and binding the soil, so should be protected rigourously.

In these pages I have dealt with this subject almost entirely from an agricultural standpoint leaving out of consideration any details connected with the question as to whether or not, it would be profitable to grow timber for commercial purposes. I have already said, however, that for the future, we shall undoubtedly have to look to the farm woodlot for our supplies of some of the most important and expensive timber and it is certain that the trees which will produce this valuable timber can be successfully grown upon much of the farm land now lying waste and unproductive. The planting of such lands then must assuredly be a profitable investment, apart from the beneficial effect such planting would have upon the climatic and agricultural conditions of the country.

# LECTURES ON FORESTRY

—BY—

B. E. FERNOW, LL.D.,

DIRECTOR OF NEW YORK STATE COLLEGE  
OF FORESTRY.

---

Delivered at the School of Mining, Kingston, Ontario,

January 26th-30th, 1903.

---

PRINTED BY  
THE BRITISH WHIG, KINGSTON, ONTARIO.  
1903.





## INTRODUCTION

---

These lectures were delivered under the auspices of Queen's University and the School of Mining, Kingston, by Dr. Fernow, Director of the New York State College of Forestry, in January, 1903.

At a conference held at Queen's University in January, 1901, to consider the general forestry interests of the Province, Dr. Fernow delivered a lecture on the same subject which attracted so much attention that the authorities of the University secured him to deliver a series of lectures on Economical Forestry, which lectures are here re-printed. Although the course of lectures was designed for the advanced students of Engineering, Economics and Biology, they were attended by numbers of citizens besides the students.

The lectures were printed in pamphlet form by the School of Mining, and through the courtesy of Dr. Fernow and Prof. W. L. Goodwin, Director of the School of Mining, we are allowed to reproduce them as an appendix to the Report of the Bureau of Forestry.



# CONTENTS

---

	PAGE
Lecture I.—The Forest as a Resource, and Forest Industries. . . . .	7
Lecture II.—What is Forestry? . . . . .	15
Lecture III.—How Trees Grow. (Illustrated). . . . .	17
Lecture IV.—The Evolution of a Forest Growth. (Illustrated). . . . .	22
Lecture V.—Silviculture, or Methods of Forest Crop Production. . . . .	37
Lecture VI.—Lumberman and Forester. (Illustrated). . . . .	48
Lecture VII.—Forest Economy or Business Methods. . . . .	59
Lecture VIII.—Wood and Its Characteristics. (Illustrated). . . . .	65
Lecture IX.—Forestry Policy. . . . .	68
Lecture X.—The Forester an Engineer. (Illustrated). . . . .	74



WHITE PINE FOREST."



# LECTURE I.

---

## THE FOREST AS A RESOURCE.

It may be stated without fear of contradiction that outside of food products no material is so universally used and so indispensable in human economy as wood. Indeed, civilization is inconceivable without an abundance of timber.

The nomad of to-day, who herds over the treeless plains and prairies, is still like the Scythian of ancient times; his life, his culture, his attainments are no more advanced. The successful settlement and civilization of our own treeless regions of the west became possible only through the development of means for the transportation of this most needful material. So general and far-reaching has its use become that a wood famine, however improbable its occurrence, would be almost as serious as a bread famine. We may become less wasteful, both as regards food and wood, but the necessity of wood, so far as we can foresee at present, will always be second only to the necessity of food, and far greater than that of any other material used in the arts.

Our civilization is built on wood. From the cradle to the coffin, in some shape or other, it surrounds us as a convenience or a necessity. It enters into nearly all our structures as an essential part. Over half our people live in wooden houses, and the houses of the other half require wood as an indispensable part in their construction. It serves to ornament them, to furnish them with conveniences, to warm them, to cook the food. More than two-thirds of our people use wood as fuel, and until recent times it was the only or principal means of smelting the ores and shaping the metals with which to fashion the wood itself. For every hundred tons of coal mined, two tons of mining timber are needed, and wood in large quantities is needed to mine our metals.

Every pound of iron, every ounce of gold, requires wood in its mining, wood in its manufacture, wood in its transportation. There is hardly a utensil, a tool, or even a machine, in the construction of which wood has not played a part, were it only to furnish the handle or the mould or pattern.

The articles, useful or ornamental, made wholly or in part of wood, are innumerable. Our houses are filled with them, our daily occupations necessitate them wherever we are. For our means of transportation we rely mainly on wood. Our 260,000 miles of railroad track (190,000 miles railroad in the U. S.), the carriers of civilization, lie on not less than 700,000,000 of wooden ties and need 140,000,000 annually for renewals; they

---

run over more than 2,000 miles of wooden trestles and bridges, they carry their passengers and freight in over 1,000,000 wooden cars, and much of the millions of tons of freight is shipped in wooden boxes and barrels, and stored in wooden sheds. Ten million telegraph poles are needed to keep up communication between distant markets.

The forest furnishes the cooperage to market our vintage, to store our flour and fruit. The forest furnishes the plough handle and harrow frame to cultivate, the threshing machine and windmill to prepare the crops, the cart to bring them to market, the bottoms in which they cross the ocean to foreign marts, and even the tar and pitch needed to keep the cargo safe. While iron ships have largely replaced the wooden bottoms in ocean travel, our coastwise and inland shipping, which requires in the United States a tonnage twice as large as in the transatlantic trade, is carried mostly in wooden ships. We are rocked in wooden cradles, play with wooden toys, sit on wooden chairs and benches, eat from wooden tables, use wooden desks, chests, trunks, are entertained by music from wooden instruments, enlightened by information printed on wooden paper with black ink made from wood, and even eat our salads seasoned with vinegar made from wood.

The uses of wood, multifarious now, are constantly increasing. With the manufacture of wood-pulp and cellulose, an entirely new direction of use has been opened; originally designed to furnish a cheap substitute for linen paper, its application in many ways is growing daily, and promises for the future the largest drain on our forest resources, the manufacture of wood-pulp having increased more than three-fold in the last ten years.

To give briefly an idea of the extent of our own wood consumption, (including exports), we may say that, if five persons are counted to a family, each family in the United States and in Canada as well, uses on an average about 3,000 cubic feet or about 120,000 pounds of dry wood per year, the annual product of at least 60 acres of forest.

The reasons for this universal and varied application of wood may be found in several directions. In the first place, the general occurrence of forest growth and the ease with which wood can be obtained and shaped directly to the purpose in hand made it, naturally, the material of earlier civilizations; but there are certain qualities in addition which will make its use always desirable, if not necessary. In the combination of strength, stiffness, elasticity, and relatively light weight, it excels all other known materials. Not only is a stick of long leaf pine superior in strength to one of wrought iron of the same weight, but employed as a beam it will bear without bending a load six to eight times as great as an iron bar of the same length and weight. Moreover, the wooden beam will endure greater distortion than the metals without receiving a "set" or permanent injury.

The ease with which it can be shaped and keeps its shape, the softness and yet unchangeableness, but especially its non-conductivity of heat and

of electricity, which makes its use more comfortable than that of metals. In addition to its light specific weight and many other qualities, recommend it for many purposes in preference to other materials.

But above all things, its cheapness recommends it. We are paying now, leaving out fancy woods, at the most, 60 cents per cubic foot for the best wood, shaped, as against \$5 to \$10 per cubic foot for iron in sheets or bars. Moreover, it is the only material of construction which we can produce and reproduce at will, while we know that most other materials now in use must be sooner or later exhausted.

Other materials have displaced wood in some uses, but other uses have arisen for wood, and often the substitutes have again been displaced by wood, when its superiority or peculiar qualities have been more fully recognized. Even in such nicely balanced structures as the bicycle, for which metal seemed the only proper material, wood has proved itself superior, at least in certain parts.

A remarkable instance of this return to the use of wood instead of metal is that for factory and warehouse construction in order to reduce danger from fire, it having been found that in case of fire iron beams and posts are twisted out of shape by the heat, causing the collapse of the whole building, while with wooden posts and beams the chances of keeping the walls intact are much greater.

Coal has largely displaced wood as fuel, yet according to the census of 1880 more than half of the population relied still on wood for fuel, and there is no reason to believe that the proportion has changed measurably.

In fact, if we may be allowed to consider the figures of the census of 1880 still proportionately true, as far as bulk is concerned, our fuel consumption represents about three-fourths of our total wood consumption; and even in value this part represents nearly one-half of our entire enormous consumption of forest products of the United States, and exceeds in bulk more than ten times the iron and steel handled in that country.

The development of the cellulose and wood-pulp industry with the consequent extension in the use of paper, made from this material for all kinds of purposes where elasticity and durability combined with strength and lightness is demanded, from collars and cuffs and combs to car wheels, has given new and constantly growing employment to wood.

Considering, moreover, the very extensive and the very varied employment of wood, it will be apparent that substitution by other materials cannot be readily accomplished, and means inconvenience, and, in many cases, decrease of comfort. Hence, large wood supplies are, and unquestionably will continue to be, an indispensable requirement of our civilization, almost like water, air and food.

Besides wood supplies, the forest furnishes other material of no small value. Of these, two classes at least give rise to industries of considerable extent, namely, the tanning industry and the naval store industry.

---

The bark of certain trees, notably the hemlock, and the oaks among our native species, contain the chemical compounds known as tannic acids, which serve for the manufacture of leather.

Thus 1,500,000 cords of tan bark, worth about \$10,000,000, which are used annually in the U. S., entailed formerly a sacrifice of nearly 1,000 feet of lumber per cord of bark; of this now probably the larger part is saved.

The naval store industry, concerned in extracting from the living trees of certain kinds of pine, especially the Southern long leaf pine, and from other species, the resinous contents, and by distillation obtaining turpentine, resin of various kinds, and tar, is indebted to the forest to the extent of about \$20,000,000 per year in the United States.

A similar industry is the tapping of the maple for sugar, which is peculiar to the United States and Canada, producing with over 50,000,000 pounds of sugar, and 3,000,000 gallons of syrup, values to the extent of \$6,000,000 annually.

Finally, by distillation of the wood itself and condensing of the gaseous products, considerable amounts of wood alcohol, wood vinegar, and acetates, creosote, and other tar oils useful in the arts, are derived, adding another \$3,000,000 or more to the annual revenue furnished by the forest resource in the United States.

While the value of the raw forest products consumed every year in the United States at places of consumption, roughly shaped for further use, may be placed at \$600,000,000! this is enhanced by their further manufacture to over \$1,200,000,000, thus making the result of the forest industries second only to those of agriculture, the value of whose products reached in the census year (1890) nearly \$2,500,000,000 while the total production of metals which could in any way replace wood—gold and silver and iron included—reached only \$270,000,000, and the entire mining industry (quarries and every kind of mineral or earthy product included) but little over \$600,000,000.

As civilization advances so does the use of wood increase, and during the last 40 years this increase has been most remarkable. Great Britain, having hardly any wood lands of her own, stands first as an importer of wood, importing last year wood to the value of \$125,000,000 (20 per cent more than her pig iron product). During the last 40 years the amount of wood used in that country has been increased 200 per cent. while her population only increased 42 per cent. France in the last 70 years, with an increase of population of 20 per cent., has increased her consumption of wood 700 per cent. Germany is, next to Great Britain, the greatest importer of wood, increasing its imports by 400 per cent. in the last 40 years, or 3½ per cent. per annum. These remarkable increases are doubtless due in part to increased manufactures of wood for exportation, but the all-around increase is consequent upon the demands of advancing civilization.



---

Similar increases in per capita consumption can be shown from the census statistics in the U. S., which is probably the largest wood consumer in the world, with 350 cubic feet per capita consumption, while in Germany the consumption is only 43, and in Great Britain about 15 cubic feet.

The statistics of Canada show that the value of the forest products in 1891 was \$80,000,000, of which \$56,000,000 was used at home while she exported lumber and other products to the value of \$24,000,000. This was an export of \$15.60 per capita and represented a consumption of 250 cubic feet per capita as compared with Great Britain's 15 cubic feet; moreover, the wood consumption in Canada is increasing very rapidly. Ontario alone derived a revenue of \$1,276,000 from timber licenses and dues in 1901, showing that this province can well afford to establish schools of forestry as a business proposition. ,

Statistics show that Canada has 800,000,000 acres of wood land, but of this vast acreage probably not fifty per cent. may be considered as forest land fit for timber production, the rest perhaps able to satisfy domestic and pulpwood demands, but not to be considered in connection with the timber requirements, which at the present rate of consumption amounts to 5,000-000,000 feet per annum; only under proper supervision will this area of less than 400 million acres, much of it badly damaged by fire, continue to supply growing demands for a long time. With the decrease of supplies in other countries and the increase of their needs for imported wood products, the value of Canada's remaining forest wealth, will appreciate and readily repay the care bestowed on it.

To sum up:—Consumption of wood is so enormously and constantly increasing, that, in spite of substitutes, wood will remain a necessity.

Natural supplies, however abundant, must give out unless we can and do reproduce them.

Nature's reproduction is uneconomic in character, space and time; and hence man's action becomes necessary, giving a more rational treatment to forests everywhere.

Forestry becomes the necessity of every country, and especially for those countries that have large supplies and are bound to be great timber producers in the future.

*The natural forest resource as we find it, consists of an accumulated wood capital lying idle and awaiting the hand of a rational manager to do its duty as a producer of a continuous highest revenue.*

Such management, however, it does not receive in the crude exploitations to which it is subjected in all newly developed and developing countries; on the contrary, the wasteful use of the soil is only intensified; for these exploitations, the operations of the lumberman, consist in a mere removal of the valuable portions of the growth, a cashing of the accumulated wood capital, without the slightest reference to future revenues which might be derived from it in the shape of wood growth. In fact, he does

not recognize or consider that the forest is not merely a mine, but a reproducible resource—a living, growing crop, the product of the soil and climate, which can be reproduced *ad libitum* in even superior quantity and quality to what nature alone and unaided has done.

His methods of removing the standing timber are not only wasteful, but they decrease the capacity of the land for producing valuable timber.

By culling out the most valuable kinds, leaving undesirable kinds and poor trees to shade the young growth that may have developed, he prevents the reproduction of a valuable crop, and hence such culled areas, while they still appear as forested, have often lost their entire value as producers of useful material; the growth on the land being an encumbrance rather, to be got rid of first, before profitable use of the soil, either for agricultural crops or for useful wood crops, can take place.

The rational way in treating the resource of virgin woods, from national economic if not from private pocket interest would be as far as possible to prepare first for a desirable reproduction by cutting out the poor kinds and the useless brush, then logging out first only the largest trees of the better kinds with proper precaution against injury to younger growth, and against fires, then gradually, as younger trees grow on, the older ones may be harvested and as much as possible in such a manner that the young after-growth is given room and light.

Thus, by mere care in utilizing the resource, not only can all the product be harvested, but a new crop, increased in quantity, can be secured. From such simple care we come to the finest methods of forestry, for these are only different in the degree of care, hardly in the kind.

By these methods man makes the forest resource produce easily the treble and quadruple of what it does when left alone; so that merely by the judicious use the capacity of useful production grows.

How much intensive management can increase the yield of the resource may be judged from the experiences of German forest administration. Here the forest resources are nearly if not entirely brought under rational management, and are treated as a crop, constantly furnishing harvests, and being reproduced without diminishing the wood capital.

Thus, the rather more extensively managed Prussian government forests, which with an area of 6,750,000 acres are perhaps also stocked on poorer soils or are less favorably situated, produced as an average for a series of years 42 cubic feet of timber wood (over 3 inches diameter) per acre, those of Bavaria 55, those of Baden 59, of Wurtemberg 67, while the most intensively managed state forests of Saxony, of only 430,000 acres extent, produced 90 cubic feet of wood per acre per year, of which 68 cubic feet was timber wood, the highest production for such a large area.

A further illustration of the increase in yield which comes with proper management of this resource is furnished by the Prussian state forest administration: while during the years from 1829 to 1867 the cut was in-

creased from 28 to 37 cubic feet per acre, and to 46.7 cubic feet in 1880, nearly double what it was in 1829, yet the proportion of old timber over 80 years, or stock of merchantable timber on hand, increased during the last 20 years of the period from 23 per cent. to 27 per cent., showing that the cut remained below the production. In the most intensively managed state forests of Saxony, the cut has been doubled in the last fifty years, and yet the stock of wood capital standing has increased over 16 per cent.; while in 1845, of the cut per acre of 56 cubic feet, 11 per cent. was saw timber; in 1893, of the 90 cubic feet cut, 54 per cent. was timber fit for the mill. The gross revenue increased during that time 234 per cent., and the net revenue over 80 per cent. A financial calculation shows that the state's property has not only paid 3 per cent. continuously in revenue, but has appreciated in value 24 per cent. by mere accumulation of material.

According to a conservative calculation based upon these experiences, the forest resource of Germany represents, in round numbers, a capital value of \$180 per acre (\$25 for the soil and \$155 for the stock of wood) paying a constant revenue of 3 per cent. on such capitalization; or since there are somewhat over 35,000,000 acres of forest, their capital value is equal to \$6,340,000,000, producing a continuous annual income of \$190,000,000. The state properties are, moreover, constantly improving, and the revenue constantly increasing.

While, to the casual reader, this showing may hardly appear as a very profitable business, we must not forget that the result is obtained for the most part from soils which would otherwise be unproductive.

It is apparent that we are bound to exhaust our stores in less time than they can be replaced, that we are not living on interest, but are rapidly attacking our wood capital—a process fully in keeping with the development of any new country, but also one against which reaction must set in in time, if serious consequences are to be avoided.

Such reaction may be secured first through a more economical use of the timber resources, for the per capita consumption in Canada falls hardly short of 300 cubic feet, nearly eight times that of Germany, and twenty times that of England, and hence a large margin is left for such economies.

Finally, however, forest management, as practiced in other countries, will become an unavoidable necessity to secure the continued production of needed wood supplies.

There is one factor of national importance resulting from the industries concerned in the conversion of our virgin forests, which does not at all, or not to the same extent, attach to them in other countries, and which, in the end, is of more moment than estimates of stumpage or land values or values of products can express. Not only does the lumberman with the systematic development of his business, which has enabled him to supply a superior article as cheaply as the inferior one is sold in Europe, give rise to many manufactories and industries, and render possible the development



of distant agricultural regions, which in turn renders profitable the building of railroads and the employment of labor, but he has been the pioneer in bringing the wilderness itself within reach of civilized influences; and while this has often been done at an unnecessarily extravagant sacrifice of much of our natural forest resources, the opening up of these back woods must nevertheless be considered as a potent influence for good, resulting from his business.

*Per aspera ad astra*, through rough work to civilization, is the history of the settling of the backwoods, which the logger has accomplished.



CORDUROY ROAD, NORTH HASTINGS.

Photo by Houghton W. Wilson.

Such settlement is necessary before forest management can be profitably applied to the remnants of woodlands; and while we may regret the wastefulness with which this settlement has been made, we must consider it as a necessary step toward an extension of civilized conditions.



## LECTURE II.

### WHAT IS FORESTRY?

#### DEFINITIONS AND PRIMARY CONCEPTIONS.

At this time, when the necessity of preserving the forest wealth of the world arises to prominence, general interest in Forestry should be aroused. Canada, on account of climatic conditions and the extent of non-agricultural land, is, and will continue to be, one of the great forest countries of the world, and rational management should succeed the mere exploitation hitherto practiced in her forests.

The word "Forestry" in its present sense is of recent usage, but in its origin a Latinized Teutonic word, originally meaning a portion of the land of a tribe held by the king or first man—the "Furst." From such use come the old definitions of the forest as a large, uncultivated tract of country, wooded in places, under certain laws—a legal term. The English kings thus reserved the right to hunt on stretches of country, over which forest-laws prevailed, and in charge of "Foresters," who were more properly the game-keepers of the king and his nobles. As understood now, we may call "woodland" the natural condition, land covered with woody growth, while in the term "forest" we add economic considerations, namely a woodland under man's care for forest purposes and exhibiting forest conditions.

As they supply different purposes, forests may be classified as *Luxury Forests*, for *Park Purposes*, reserved for game protection, *Protection Forests*, for the protection of mountain slopes and watersheds from erosion, and *Supply Forests*, which furnish material for the lumberman. This last forest purpose is the most important and direct one, while the second function is of moment only in certain locations, and all three can be subserved simultaneously.

In the pioneer days of a country there is first a rapid destruction of forests to clear the land, but, when the natural timber supply has diminished beyond a certain point, Forestry—the rational treatment of the forests as timber producers, becomes necessary, under which they are used and cultivated continuously for a wood crop as agricultural land is for food-crops.

The technical side of forestry is based on natural science, the economic side on mathematics and on political economy. The technical art of forest crop production, silviculture, calls for knowledge of botany and especially dendrology, or the physiology and biology of trees, as well as a knowledge of soil physics and chemistry to make the art an improvement on nature's methods producing the best form and largest quantity of wood in the

---

shortest time possible. But as the forester, like the lumberman, harvests his crop, considerable engineering knowledge must be added to business knowledge to carry on the business of forestry. While, then, forestry is to the statesman a policy of national interest, to the student a science, to the forest producer an art, it is in the end a business, to make revenue from the use of the soil through timber production. In Europe forestry has long been practiced, forest laws existing as early as the sixteenth century, but our modern forestry has been practiced in Germany over 150 years. In America forestry is a new word and a new art, which has come to the front as the shortage of the natural timber resource made it apparent as a necessity. In the United States the government has recognized this necessity for forestry, has instituted a Bureau of Forestry with annual appropriations reaching now the sum of \$185,000 merely for investigation, and has set aside 60 million acres of forest reservations. Several of the States have adopted the same policy, notably the State of New York, which has reserved over one million acres under a forest commission and has also instituted the N. Y. State College of Forestry at Cornell University. Several other forestry schools have followed.

While in the United States large tracts of the timber land are held by private individuals and corporations, in Canada the Provincial Governments have displayed great foresight in retaining control of these lands, and the conditions are excellent for the organization of a system of forestry.

## LECTURE III.

### HOW TREES GROW.

The technical part of the art of forestry is called silviculture—the art that produces the wood-crop for the management of the forester. For an understanding of the treatment of trees *en masse*, the forester needs a knowledge of dendrology, the knowledge of trees in all details, and especially their life history, individual and in association. Often wrongly defined in terms of size, the tree is potentially existing already in seed and seedling—it is a woody plant, the seed of which is capable of producing a single stem from the ground with a definite crown.

Trees, growing from seed, are built up from cell growth, division and multiplication like other living organisms, and they have similar requirements. Unlike other plants, they have longer life and attain greater height, to lift their foliage to the light. Their remarkable height is built up, storey by storey, by shoots, which push out from buds and elongate from the tips of stem and branch. The age of the tree may thus be told, at least in young specimens, by counting the annual shoots, which are marked off from each other by a swelling of the stem.

Buds are developed at the end of the year's growth, the terminal bud or one near the end of the shoot annually continuing the height growth. Each class of tree has a different habit of bud development, and trees can be identified by their buds alone. The Conifers, with fewer lateral buds, than the deciduous trees, persistently develop the main stem at the expense of the branches, the shoot from the single terminal bud making rapid height growth. If the terminal bud of a pine be destroyed, the side buds usually carry on the growth and cause forking of the stem. Among hard woods the majority of the buds do not develop, but are either lost or remain dormant, the shape of the tree being dependent upon this bud development, so that the dense crown of the Beech from the development of many buds has a different appearance from the open crown of an Oak. The dormant buds remain undeveloped, continually pushed out beyond the wood of the surface each year, ready in case of necessity or accident finally to develop into shoots.

As the new buds are formed at the ends of the shoots each year, the tree might grow on forever, if each species did not grow within certain definite height limits, which depend on conditions of soil, climate and species. The moisture from the soil, the tree must raise to its foliage against gravity, and the height to which the water can be lifted is limited: some species offering more friction to the water current, cannot grow as high as others.



DENSE BEECH CROWN.



OPEN OAK CROWN.



---

Light is an important factor in tree growth, and the form of the tree varies with the light supply. In the forest the trees grow tall, with long, clear trunks and few branches, while in the open the tree is short and branchy with a large crown. The belief that the growth of the tree pushes its branches higher up on its trunk is erroneous; the bareness of the forest tree is caused by the loss of the lower branches for want of light. The open-ground tree retains its branches lower on the trunk, and consequently does not produce as good lumber, the limbs, that all start from the centre of the tree, each year's wood growth burying their beginning deeper and deeper, if not killed and shed early, produce knots, which injure the strength and value of the sawn lumber. In dense forests the lack of light causes the lower branches to die and fall and the trunk is left clear. In forest planting, trees are set densely to shut out the light and kill the lower branches, in order to produce later, clear, valuable lumber.

Trees grow not only in height, but also in diameter, the growth taking place in the soft cambium layer between bark and wood. Every spring this layer of living cells begins to grow and divide, at first very rapidly with the rapid height-growth, but gradually more slowly as summer advances. The first quickly-formed wood cells are thin-walled with large openings, forming the pores seen in the spring wood of the oaks and ashes. The later summer-formed cells are closely crowded and compressed, with thick walls and small openings, the wood appearing denser and darker colored from this crowded condition of the cells. This succession of different spring and summer wood zones allows the easy recognition and counting of the annual layers or rings of wood, and this variation in the ring structure serves to identify various species of trees, and to indicate the comparative strength of their wood. After cutting a tree, therefore, its age can be found by counting the annual rings on the stumps, and from the record preserved in these rings the history of its growth can be read.

The annual ring is formed in all countries where there is a temporary cessation of growth, caused by distinct summer and winter seasons. Exceptionally trees fail to deposit wood over the whole trunk on account of loss of foliage, etc., and no ring is formed, or, where the growth has been disturbed during the season, a second ring may form, which can mostly be readily distinguished from the true rings.

To the forest manager the study of ring growth is of great importance, because from the rings of growth the progress of the crop may be seen—the amount of wood formed, and the time when it is most profitable to harvest calculated. Since also the proportion of spring and summer wood largely determines the quality of the timber, the ring growth furnishes an index for regulating the quality of the crop, since, by management of species, and adapting them to soils, the proportion of the spring and summer wood may be influenced. It is a mistake to consider that the lumber of the more rapidly grown trees of any species is weaker, for it is apparent that



WHITE PINE, MICHIGAN.



LONE PINE.

the dense, thick-walled summer wood cells make stronger wood than the thin-walled spring cells, and in a year of rapid growth the summer wood formed in some species exceeds in amount that formed in years of slower growth.

The food necessary for a tree to increase its solid substance is obtained from the soil and from the air. Most of this food substance is formed in the green parts of the plant—the foliage, in the presence of light and air by the union of water with the carbon derived from the carbonic acid of the air. From the soil, water is constantly being lifted by the tree up into its foliage; from which a part passes off into the air as vapor, the amount of transpiration varying with the climatic conditions, water supply, season and species. While in a vigorously-growing tree there is from 40 to 65 per cent of water, the amount given off from its leaves in a season is many times greater than that retained, but trees require from one-half to one-quarter of the water which agricultural crops need.

Mineral substances are taken up only in very small amounts, and mostly of the commoner kinds, such as lime, potash, magnesium and nitrogen. Hence, wood crops do not exhaust the soil of its minerals, and even improve its fertility, as the greater part of the minerals are returned to the soil in more soluble form by the annual fall of the leaves and the small brush, in which the minerals are most abundant, and which decompose and form a rich humus layer on the surface of the soil.

As the soil moisture is the greatest requisite for tree growth, its conservation and distribution is most important. No tree grows to best advantage in very wet or dry soil, although some species endure and appear thrifty in such unfavorable situations. The soil most suited for all trees is a moderately but evenly moist soil, porous and well drained, but capable of conducting water up within reach of the roots of plants.

For the conservation of the soil moisture, the forest grower cannot rely on the methods of the agriculturist, which are usually impracticable and too expensive. He can only employ such methods as shading and mulching the soil—shading by close planting, and by maintaining the crown cover dense through the life of the crop to protect the soil from sun and wind; mulching, by the annual fall of twigs and leaves, which remain and decay, forming a rich mold, increasing the absorption and retentiveness of the soil, and retarding the evaporation of moisture and the run-off from the surface.

While with a moderate and even supply of moisture all trees thrive best, some like the Conifers, and especially the Pines, endure drier soils, and others like the Bald Cypress, excessive moisture. This adaptation, however, is modified in different regions by drier or more humid climate.

## LECTURE IV.

### THE EVOLUTION OF A FOREST GROWTH.

Last night we took a glimpse into that part of dendrology—the study of trees—which concerns itself with the development of the single individual. To-night we will look into the communal life—the sociology, as it were, of trees, as exhibited in forest growth.

For, in order to practice forestry, there is, first of all, need to understand the natural history of the forest. How does nature produce her forests? What are the laws, what is the progress in the evolution of a forest growth? These questions I shall endeavor to answer to-night.

The earth may be said to be a potential forest. A cover of tree growth more or less dense is, or has been, the natural condition of at least the larger portion of the *habitable* earth, and, of the entire land surface, not less than 60 per cent. may be classed as actual or potential woodland; 7 per cent prairie, and 33 per cent. plains or barrens. (In North America the proportion is about 45-5-50; in Asia, 45-3-52; in Europe, 84-10-6).

In the struggle for existence and for occupancy of the soil between the different forms of vegetation, tree growth has an advantage in its perennial nature and in its elevation in height above its competitors for light, the most essential element of life for most plants. These characteristics, together with its remarkable recuperative power, assure to the arborescent flora final victory over its competitors except where climatic and soil conditions are not adapted to it.

The entire absence of the tree growth from some localities, such as the northern tundras, the high peaks above timberline, and the arid plains, is due to temperature, moisture and soil conditions, either one or the other, or the unfavorable combination of them. On the high peaks, the two characteristics, of perennial life and persistent height growth, become unfavorable, since the extreme winter temperatures above the snow cover, droughty winter storms, and frosts every month in the year can be endured only by those plants which have a rapid cycle of development, or are sheltered near the ground by the snow cover. The wet soil on the tundras, frozen for most portions of the year, or the thin soil on the Alpine peaks, add to the difficulties for deep-rooting species in their contest with the lower vegetation. Again, in the interior of continents and other localities unfavorably situated with reference to the great sources of moisture and moisture-bearing currents, deficiency of water, scant rain-fall or low relative humidity, or both, and excess of evaporation, are inimical to tree growth, occasioning plains, which although not always and by necessity treeless, do not permit any forests to establish themselves unaided.



---

Occasionally, soil conditions, especially with reference to drainage, may be more favorable to the graminaceous vegetation, at least for a time; giving rise to pampas, prairies and savannahs; or else all the unfavorable conditions combine to give rise to deserts.

In addition, there are hostile agencies in the animal world, which prevent the progress of forest growth, and tend to preserve the prairies; locusts, rodents, ruminants, like the buffalo, antelope and the horse, impede the growth and spread of the trees, and especially where compact soil and deficient moisture conditions are leagued with these animals, the change from prairie to forest is prevented, at least for a time.

Woodlands are the most unfavorable form of vegetation for the life of ruminants, and, therefore, for the support of the largest number of men. For food production, for agricultural pursuits, man must subdue and remove tree growth. Hence, forest devastation, forest destruction, is the beginning of civilization in a forested country, its necessary requisite, and the persistency with which in forest regions the forest tries to re-establish itself calls for continued effort to protect pasture and field against its re-establishment.

So impressed was Dr. Asa Gray with the persistency of individual tree life that he questioned whether a tree need ever die; "For the tree (unlike the animal) is gradually developed by the successive addition of new parts. It annually renews not only its buds and leaves, but its wood and its roots; everything, indeed, that is concerned in its life and growth. Thus, like the fabled Aeson, being restored from the decrepitude of age to the bloom of youth—the most recent branchlets being placed by means of the latest layer of wood in favorable communication with the newly formed roots, and these extending at a corresponding rate into fresh soil—why has not the tree all the conditions of existence in the thousandth that it possessed in the hundredth or the tenth year of its age?"

The old central part of the trunk may, indeed, decay, but this is of little moment, so long as new layers are regularly formed at the circumference. The tree survives, and it is difficult to show that it is liable to death from old age in any proper sense of the term."

However this may be, we know trees succumb to external causes, insects, fungi, fire, windstorms, etc. Nevertheless, they are perennial enough to outlive aught else, "to be the oldest inhabitants of the globe, to be more ancient than any human monument, exhibiting in some of its survivors a living antiquity, compared with which the mouldering relics of the earliest Egyptian civilization, the pyramids themselves, are but structures of yesterday." The dragon-trees, so-called, found on the island of Teneriffe, off the African coast, are believed to be many thousand years old. The largest is only 15 feet in diameter and 75 feet high. The sequoias or Big Trees are more rapid growers and attain more than double these dimen-

sions in 3,000 to 4,000 years, which may be the highest age of living ones. Their long life is undoubtedly due to the fact that they are not liable to attacks by insects, fungus, and hardly by fire.

While this persistence of life is one of the attributes which in the battle for life must count as of immeasurable advantage, the other characteristic of arboreal development, its elevation in height above every living thing, is no less an advantage over all competitors for light, which is the source of all life; and in this competition, size must ultimately triumph.

Endowed with these weapons of defensive and offensive warfare, forest growth has endeavored, and no doubt to a degree succeeded through all geologic ages, during which the earth supported life, in gaining possession of the earth's surface.

As terra firma increased, emerging in islands above the ocean, so increased the area of the forest, changing in composition, to be sure, with the change of physical and climatic conditions.

As early as the Devonian age, when but a small part of our continent was formed, the mud flats and sand reefs, ever increasing by new accumulations under the action of the waves and currents of the ocean, were changed from a bare and lifeless world above tide-level to one of forest-clad hills and dales with quaint forms, like the tree rushes and the proto-types of our pines, the *Dadoxylon*.

The same class of flowerless plants, known as vascular cryptogams, with colossal tree ferns and the *Sigillarias* added, became more numerous and luxuriant in the Carboniferous age.

This vegetation probably spread over all the dry land, while other forms made the dense jungle in the marshy places and lakes with floating islands; the thick deposits of vegetable remains from these forests were finally, in the course of geologic revolutions, turned into the great coal fields.

During these geologic revolutions some of the floral types vanished altogether, and new ones originated, so that, at the end of Mesozoic times, a considerable change in the landscape is noticeable. In addition to coniferous trees, the palms appeared and the first of Dicotyledons, such as Oaks, Dogwood, Beech, Poplar, Willow, Sassafras and Tulip tree. Species increased in numbers, adapted to all sorts of conditions, the forest in most varied form and luxuriance climbed up the mountain sides to the very crests, and covered the land to the very poles with a flora of tropical and semi-tropical species in profusion, and large mammals roamed over the open spaces.

Then came the levelling processes and other changes of post-Tertiary or Quaternary times, the glaciation of mountains and northern latitudes, with the consequent changes of climate, which brought about corresponding changes in the ranks of the forest, killing out many species around the

north pole, the hardier races alone surviving; and these were driven southward in a veritable rout by the icy blasts.

When these boreal times subsided in a degree, the advance of the forest was as sure as before, but the battle order was somewhat changed to suit the new conditions of soil and climate. Only the hardier tribes could regain the northernmost posts, and of those who followed, many found their former places of occupancy changed by fluvial and lacustrine formations and by the drifts borne and deposited by icy sheets, while some, by their constitution, were entirely unfitted from engaging in a northern campaign, or found insurmountable barriers in the refrigerated east-west elevations, as in Europe and Western Asia.



PETRIFIED TREE

In addition, there had come new troubles from volcanic eruptions, which would again and again wrest the reconquered ground from the persistent advance guards of the arboreal army, annihilating them again and again.

Finally, when the more settled geologic and climatic conditions of the present era arrived, and the sun arose over the world, ready for human

---

habitation, man found what we are pleased to call the virgin forest—a product of long-continued evolutionary changes—occupying most, if not all, the dry land, and ever intent upon extending its realm.

I may not leave this prehistoric story of the battle of the forest without giving some historic evidences of its truth. Paleobotanists have unearthed the remnants of the circumpolar flora which give evidence that it resembled that of the present tropic and semi-tropic countries; they have also shown that Sequoias, Magnolias, Liquidambars and Hickories existed in Europe and on our continent in regions where they are now extinct. We have also evidences of the repeated successes and reverses of the forest in its attempt to establish itself through long geologic transformations.

One of the most interesting evidences of these vicissitudes in the struggles of the forest to establish itself is presented in a section of Amethyst Mountain in the Yellowstone Park, which exhibits the remains of 15 forest growths, one above the other, buried in the lava. Again and again subduing the inhospitable excoriations, again and again the forest had to yield to superior force. The face of the mountain includes over 2,000 feet of strata resting upon granite. The trees, or rather parts of them, stand upright and lie prostrate in good preservation, 40 to 50 feet in length, and not a few as much as 5 and 6 feet in diameter. (Note the ancient and modern vegetation in company.) The largest, uncovered by the action of water and soil movement, rising 12 feet above the enclosing strata, is 10 feet in diameter, and belongs to the Sequoia tribe.

Among these petrified witnesses of former forest glory, Magnolias, Oaks, Tulip trees, Sassafras, Linden, Ash, have been identified, accompanying the Sequoias, while now only the hardiest growth of pines and spruces find a congenial climate here.

Reversals of this kind are taking place even in our own time, before our very eyes. In Alaska, and elsewhere, glaciers carry large masses of soil and rock, depositing it in moraines at lower levels. On these moraines vegetation soon establishes itself, and finally the forest grows to the very edge, nay, upon the very back of the mighty icesheet. But as the ice river ebbs and flows, recedes and pushes forward, the existence of the forest cover is precarious and of temporary duration—sooner or later it will be pushed over by the moving ice and buried by the moraine material. Again receding, the glacier river carrying off the melted ice in a rapid stream, this stream cutting through the moraine, may uncover the buried forest, as is the case near the celebrated Muir glacier, exhibiting to us a bit of the earth's history and of the methods of making it, and the forces at work in past eras.

Just as the forest formed and spread thus during the course of ages, so does it form and spread to-day, unless man, driven by the increasing needs of existence, checks its progress and reduces its area by the cultivation of the soil. This natural extension of the forest-cover takes place



readily wherever soil and climate are favorable, but it is accomplished just as surely, though infinitely more slowly, in unfavorable situations. On the naked rock, the coarse detritus and gravel beds, on the purely siliceous sand deposits of rivers and oceans, or in the hot, dry plains, the preliminary pioneer work of the lower vegetation is required. Algae, lichens, mosses, grasses, herbs and shrubs must precede, to cultivate the naked rock, to mellow the rough gravel beds, to make the soil, to increase the soil moisture by shading the ground and gradually render it fit for the abode of the forest monarch. The army of soil makers and soil breakers, the pioneers, as it were, of the forest, are a hardy race, making less demand for their support



MUIR GLACIER FOREST.

than those who are to follow. They come from different tribes, according to the climatic conditions in which they have to combat. As soon as they have established themselves, they begin their cultivatory activity, which consists in withdrawing from the rock or soil and from the air the nutritive elements, returning them to the soil when they die and decay in a form much more suitable for the support of the higher plants. Not only are thus, by the repeated growth and decay of these pioneers, the nutritive elements of the soil improved and augmented, but also the physical properties; the soil is deepened and becomes mellow and its capacity for moisture increases. The waters, charged with carbonic acid derived from the decay of the vegetable humus, hasten the decomposition of the underlying rock.

and thus also the fertile soil layers increase, until the more fastidious plants can subsist. The humblest workers, algae, lichens, cacti and mosses, are followed by sedges, dry grasses, herbs and shrubs, or, in the drier and warmer climates, by agaves and yuccas; then come ferns and other representatives of the lower vegetation, succulent grasses and herbs gradually covering the soil with a meadow or prairie, the shrubs become more numerous, by degrees closing up, shading the ground and overshadowing the grasses and finally the time is ripe for the arborescent flora. Nor does then the forest appear at once in its fullness and variety of form. Single trees,



FERNS, SCLELAT LAKE, ALGONQUIN PARK.

Photo by Houghton W. Wilson.

stragglers or skirmishers in small numbers, and shrub-like, and stunted forms first arrive, gradually increasing in number and improving in form. These, by their shade and by the fall and decay of their foliage and litter, improve the soil for their betters to follow.

The Aspen is one of these fore-runners, which, thanks to its prolific production of light, feathery seed, readily wafted by the winds over hundreds of miles, readily germinating and rapidly growing under exposure to full sunlight, even now in the Adirondacks, the Rocky Mountains and elsewhere, quickly takes possession of the areas on which man has ruthlessly destroyed all vegetation by fire. This humble, ubiquitous, but otherwise

almost useless tree, is nature's restorative, covering the sores and scalds of the burnt mountain side. Though short-lived, with its bright summer foliage turning into brilliant autumn hues, it gives grateful shade and preserves from the thirsty sun and wind some moisture for the better kinds to thrive and take its place, when it has fulfilled its mission.

In other regions, as on the prairies of Iowa and Illinois, hazel bushes, or, in the mountains of Pennsylvania and the Alleghanies in general, ericaceous shrubs, like the Laurels and Rhododendrons, or Hawthorn, Vi-



ASPEN LAKE, UTAH.

burnum and Wild Cherry are the first comers, while along the water courses Alders and Willows crowd even the water into narrower channels, catching the soil which is washed from the hillsides and increasing the land area.

One of the most interesting soil makers, wresting new territory from the ocean itself, is the Mangrove along the coast of Florida. Not only does it reach out with its aerial roots, entangling in their meshes whatever litter may float about, and thus gradually building up the shore, but it pitches even its young brood into the advance of the battle, to wrestle with the waves and gain a foothold as best it may.

Not less interesting in this respect is that denizen of the southern swamp, the Bald Cypress, with its curious root excrescences known as



Cypress Knees, which are most helpful in expediting change of water into land sufficiently dry to be capable of supporting the more fastidious in regard to moisture conditions.

Here we should note the remarkable adaptation to divers conditions of some of the tree species. Trees of the swamp, or at least many of them, seem to indicate their independence of moisture conditions by the range of climate and soil in which they are found. In fact, they grow in the swamp, not because it is their most suitable locality, but because they are the ones that can do so, to the exclusion of other competitors. The Bald Cypress, in Lake Drummond itself, will grow in the dry soil and droughty atmosphere of Texas and Mexico; the Oaks, which associate with it in the



THE SKIRMISH LINE OF THE FOREST, ARIZONA.

swamp, will occupy almost any soil or site; the Red or Sweet Gum or Liquidambar, which has lately become an important lumber producer, is found in similar ranges of habitat; the same Juniper or Red Cedar which in the swamps of Florida is a large tree and makes the soft material for our pencils, covers also the driest ridges of the Rockies and Interior Basin west of the Rocky Mountains, with a gnarly growth and hard texture, supplying the most lasting poles and posts. Thanks to the taste of the birds for its berries, it finds ready dissemination over a wide field of



distribution from New Brunswick to Florida and westward beyond the Rockies, forming with the equally frugal Aspen and Cottonwoods the very foremost advance guard of the forest.

The skirmish line of first comers, different ones in different climates, frugal in their needs, prepare the conditions for the more fastidious birches, elms, maples, ashes, oak, hickories, magnolias, spruces, firs, pines, and the whole host of the varied forest flora. Which of these will occupy certain territory depends in the first place on temperature conditions, and in the second place on moisture conditions of air and soil and the various combinations of these factors, which determine the geographical distribution of species.

As far as temperature is concerned, there is no highest limit, provided sufficient moisture be present. The forest of the tropics gives evidence of this fact. On the other hand, low temperature extremes set a limit to tree growth, as the northern tundras and the well-known timberline of high mountains show, varying in altitude according to latitude, i. e., temperature conditions.

As regards moisture, we have seen that many species live in the swamps of the South, with their feet in water for months, and their heads in a humid atmosphere all the year, while the plains and deserts, deficient in soil moisture and humidity of the air, are treeless, or at least forestless. Within these extremes we find species adapted to every clime and site.

As we go from the tropics to the pole, there is a change in the type of the forest with each change of climate. From the evergreen, broad-leaved forest of the tropics and subtropics, we may journey northward through the deciduous leaved forests of the Carolinas and Pennsylvania, of oaks, hickories, chestnut and tulip tree, or traveling along the Pacific Coast, through a mixed forest of firs, spruces, pines, in most magnificent development. Then (continuing our journey on the Atlantic side) we reach the Northern forest, in which maple, beech and birch are predominant, with spruce and white pine intermixed. Beyond, the number of species decreases, and generally coniferous growth predominates; finally only eight hardy species can take a stand against the frigid breath and icy hands of Boreas.

Finally, we reach beyond the 62° of latitude in the interior of Canada—in Alaska, much further north—the last outposts, short, stunted and dwarfed, the Exquimaux of tree growth. Then the treeless tundra is reached, where ice and snow abound all the year, the home of winter. Here the soil is frozen for all but two months in the year, when only a low vegetation of willow and birch and of flowers can subsist. Just as we observe these changes in a long journey, we can trace them in a day's ride, if we were to ascend some mountain in the tropic or sub-tropic regions of Mexico or Jamaica. We begin our journey under the palms. Again we pass through the evergreen tropic forest, composed of an endless var-

ity of luxuriant species. As we ascend 2,000 or 3,000 feet the composition changes and we have come into the deciduous leaved forest, not unsimilar in general aspect to that of our middle latitudes. We reach a sandy plateau and find it occupied with pines and saw palmetto as underbrush, just as we see it in the Carolinas. As we ascend to the 8,000 foot level, we enter into the dominion of spruces and firs, and we may find the open meadows with a profusion of flowers. These openings, in Colorado and other parts of the Rockies, are characteristically called parks. Here a depression has filled up with water, forming a lovely mountain lake, with the spruces and firs in spiral shapes surrounding the shores, just as you find them in British Columbia at lower levels. Another 2,000 to 3,000 feet, and the forest opens as in our northward journey, the trees stand in groups, and the grass and flowers occupy intervening spaces, competing for the ground. As we pass out of this lovely park-like region, we come in sight of the peak and of the skirmish line of the forest; singly and in small groups the trees try to brave the blast, hugging the ground and each other for protection, tumbled and dwarfed as their northern counterparts. Ice-laden with the frozen humidity of these high attitudes for months the branches break. This leads to misshapen form. Finally we have passed the timberline, where icy blasts and hard frosts occur every month in the year and hence no persistent life can exist; and, if we are quick about descending, we may again rest under the palms at night.

While, then, certain territory is assigned to the different tribes of tree species, which are adapted to the climatic and soil conditions, struggling to occupy the ground and to wrest it from the lower vegetation, there is by no means an end to the evolutionary struggle, for, as soon as the soil is conquered, the battle begins between the conquerors themselves. Though not fought with claws and teeth, the struggle is as fierce, as persistent and as disastrous to the one or to the other species as in the animal world, each trying to occupy the ground to the exclusion of the other. The weapons and the warfare are offensive and defensive, but relative endurance of one or more unfavorable conditions, adaptation to surroundings, insure mostly the final victory and secure the survival of the fittest. The characteristics of development from the seed to old age influence the character of the distribution.

Prolific and frequent production of light-winged seed, carried by the wind to all open spaces, germinating readily and growing rapidly, gives an advantage to the one species. The heavy nut of the walnut or acorn must wait for squirrels, mice, birds and water to extend its territory.

The seed of the willow loses its power of germination within a few hours or days; hence it is confined mainly to the borders of streams, where favorable opportunities for sprouting exist. The acacia and others of the leguminous tribe, like the black locust, preserve their seed alive for many years; nay, the seed of the former will often lie buried in the ground for

years until a fire that destroys all other vegetation breaks their hard seed coat and calls to life the dormant germ; the cones of some pines remain closed, and release the seed only when fire, which has probably destroyed all competitors, opens them. The peculiarities of the seed, then, account for much in the distribution of plants.

Next comes the peculiarity of growth. The long-leaf pine, which, for the first four years, does not grow more than two or three inches above the ground, is at a disadvantage in that first period, during which it has occupied itself with forming a stout root system; but thereafter, by virtue of this root system, it may endure what a faster growing neighbor could not. The thickly growing aspen covers large areas, but its reign is of short duration, for, as with most of the rapid growers, its life is short. The slower growing spruce or pine, which could support itself under the light shade of the aspen creeps in, and remains on the field, the victor by sheer persistency.

While rapid, persistent height-growth enables these to escape the would-be suppressor, endurance of drouth or of excessive moisture, of heat or cold, and of shade favors others; windstorms and decay, in our primeval forests, acting as allies now to one, now to the other side, and thus changing the balance of power again and again.

In this struggle for supremacy between the different arborescent species, the competition is finally less for soil than for light, the most important factor of life, especially for tree growth. It is under the influence of light that foliage develops and that leaves exercise their functions and feed the tree by assimilating the carbon of the air and transpiring the water from the soil; the more foliage and the more light at its disposal a tree has, the more vigorously it will grow and spread itself.

Now, the spreading oak or beech of the open field finds close neighbors in the forest, and is narrowed in from all sides and forced to lengthen its shaft, to elevate its crown, to reach up for light, if it would escape being overshadowed, suppressed and perhaps finally killed by more powerful, densely-foliaged competitors. From the shape of the tree and of its crown we can judge whether it had to wrestle with neighbors. The important fact, which predicts the issue and the final result, is that the various species are differently endowed as regards their ability to tolerate the shade or as to the amount of light which they need for their existence.

Go into the dense forests and see what kinds of trees you find there in the deep shade, and then go into an opening recently made, an abandoned field or other place where the full benefit of light is to be had by all alike, and you will find a different set altogether occupying the ground. In the first case, you will find, perhaps, beech and sugar-maple, or fir and spruce; in the second case, you may find aspen, poplars, willow, soft maple, oaks or pines, tamarack, etc.

---

All trees ultimately thrive best in full enjoyment of light and then only develop their characteristic form. But, just as some species can adapt themselves to excess or deficiency in moisture conditions, so some can subsist and even thrive with less light than others, and we can classify and grade the species accordingly into tolerant or shade-enduring and intolerant or light-needing.

The dense spruce and fir forest shows by the number of trees that can occupy an acre the capacity of the species to thrive in the shade of neighbors, while the open pine forest gives an indication that the species requires larger amounts of light to thrive.

The densely-foliaged crown of the hemlock, with the branches beset with leaves into the very interior, attests its extreme shade endurance, while the light-foliaged, open-crowned larch or poplar, ash or birch, or even pine, show their extreme sensitiveness to the absence of light by the very openness of their crowns, by losing their lower branches early and by the inability of their seedlings and young progeny to endure the shade of neighbors or even of their own parent trees.

To offset this drawback in their constitution, they have usually some advantage in the character of the seed and are mostly endowed with a rapid height growth in their youth, so that, at least when the competition for light starts with even chances, they may secure their share by growing away from their would-be suppressors. They can keep themselves in a mixed forest only by keeping ahead and occupying the upper crown level, as the White Pine does. The tolerant species, on the other hand, able to thrive in the shade of light-foliaged species, usually increases more slowly in height; but their capacity of shade endurance assures to them a permanent place in the forest.

Many of them are characterized by a height growth which, though slow, is persistent; while the light-needing species, by falling behind in their rate of height growth, often lose in the end what they attained in their youth. As a result the shade endurers finally become dominant and the light needers occur in the mixed forest only sporadically, the remnants or single survivors of groups, all the outside members of which have perished; and only when a windstorm or insect pest creates an opening of sufficient size is a chance for their reproduction given.

Thus the composition and general appearance of the mixed forest is largely influenced by this difference in light requirements of the species present and its numerical make up also depends upon the requirements by each individual and its capacity to get ahead of its neighbor.

Just as in the mixed forest the species are distributed according to their shade endurance, so in the pure forest of one species, or of species of equal tolerance, will the different-sized or different-aged trees develop side by side according to available light, each crowding the other, the laggards being finally killed by the withdrawal of light.



The victory comes to those, who by virtue of inherited superior vigor or owing to the chance of finding better soil, domineer the community, just as in the human world, the modest are driven to the wall.

But, finally, even these victors must give way, for, as Hercules, the unconquerable, succumbed to the poison that penetrated to his bones, so does the mighty giant of the forest fall a prey to the insidious work of rot and fungus and insects and storms. When its heart is riddled and weakened, first the dry branches crumble and gradually give opportunity for the young aftergrowth of shade-enduring kinds, waiting patiently for light, to strengthen; then break the large limbs and the dry top, and, having weathered the onslaught of the storms for centuries and the guerillas of the fungus tribe for decades, finally the giant falls, with its decaying substance enriching the soil for future generations. Into the breach rush the young epigones, each struggling to supplant their progenitor and to preserve the forest.

It is in consequence of these changes in light conditions that the alternations of forest growth take place, oak following pine, or pine following oak; poplars, birches, cherries, appearing on the sunny burns, and spruce, hickory, beech and maple creeping into the shade of these light-needing species and, in time, supplanting them.

While, in the Eastern forest, under natural conditions, the rotation of power is accomplished in from 300 to 500 years, the old monarchs of the Pacific, towering above all competitors, have held sway 2,000 or more years. And, in this warfare, with changes in climatic and soil conditions going on at the same time, it may well occur that a whole race is crowded out and exterminated. The virgin forest, then, is the product of long struggles extending over centuries, nay, thousands of years. Some of the mightiest representatives of old families, which, at one time of prehistoric date, were powerful, still survive, but are gradually succumbing to their fate in our era.

The largest of our Eastern forest trees, reaching a height of 150 feet and diameters up to 12 feet, the most beautiful and one of the most useful—the Tulip tree (*Liriodendron*)—is a survivor of an early era, once widely distributed over the world, now confined to Eastern North America, doomed to vanish soon from our woods owing to man's improper partisanship. Others, like the *Torreya*s and *Cupressus*, seem to have succumbed to a natural decadence, if we may judge from their confined limits of distribution. The colossal *Sequoias* too, remnants of an age when things generally were of larger size than now, appear to be near the end of their reign; while the mighty *Taxodium*, the Bald Cypress, the Big Tree of the East, still seem vigorous and prosperous, weird with the grey *Tillandsia* or Spanish moss, being able to live with wet feet without harm to its constitution.

So far we have considered the evolution of the forest only from the geographical and botanical point of view, and the history of its struggle for

existence against the elements and against the lower vegetation and other forces of nature. A new chapter of its life history, a new relation, a new point of view, began when man came upon the scene, and finally man has become the most influential factor in the evolution of the forest, changing it in composition and character of development.



FELLING TIMBER.

## LECTURE V.

### SILVICULTURE, OR METHODS OF FOREST CROP PRODUCTION.

The main business and concern of the silviculturist is contained in the reproduction of the wood crop, and his one obligation is that he must reproduce the crop which he has harvested in any year.

As the farmer sows and reaps so the forester harvests and replaces, although the methods of the two have little in common; nor are the methods applicable which are used by the orchardist or the landscape gardener. The tree which satisfies these does not at all satisfy the requirements of the forester, for his point of view, his aim, is a different one, and hence his methods are his own. In fact, single trees are not his object any more than the single grass-blade is the object of the farmer; the largest amount of wood in the most saleable and profitable form is his aim, logs rather than trees, and the financial results from their harvest. The final aim of the silviculturist is, therefore, attained only when he has removed the old trees and replaced them by a young crop. He grows trees in masses and for their substance. Not only does he deal with trees in masses, but with trees in natural conditions, being by financial considerations often limited in the use of artificial aids and methods, such as the other tree culturists and the farmer in his crop production may employ.

Restricted as he is, or finally will be, to the poorer soils and conditions, those least favorable to agricultural production, he is forced to the most conservative management of the natural conditions in order to secure a desirable result without too much expenditure, which his long-maturing crop cannot repay.

In every productive industry there can be recognized two branches:—namely, the business branch and the technical branch.

The silviculturist is the one who handles the technical branch of the business, namely, the production of the crop or material.

The technical branch is divided into several sub-branches, the chief among which are:—Silviculture, Forest Protection, Forest Exploitation. Silviculture is a branch of arboriculture. Forest Protection is the art of protecting the forest from adverse agencies such as fire, storms, pests, etc. Forest exploitation is the art of harvesting the forest growth to the best advantage.

It is incumbent upon the silviculturist to secure continuity of favorable conditions in order to secure continuity of the crop. The forest manager who looks after the revenue may often be found at odds with the silviculturist, the pocket interest preventing the ideals of silviculture.

The character of the wood crop differs from that of the agricultural crop, especially in the fact that it takes many years before it can be harvested. If the agriculturist makes a mistake in planting one year he can rectify his error the next year, whereas the forester can never rectify any such error until the next crop. Therefore it is necessary for the silviculturist to make closer study of the life history of his material than the agriculturist needs to make. He must be more circumspect in planning his crop, so that it will become self-sustaining.

The silviculturist, as before noticed, must make a selection from the 300 to 500 species of trees that occur naturally with us, to grow. He must grow those varieties which are reasonably sure of a market when they mature. These 500 species may be divided into those which are useful and those which are but tree weeds. What is a weed? It is a plant the use of which has not been found out yet. In order to select those species which we are going to reproduce we must have a relative value of the various species established. A glance at the market reports shows us that not more than 70 of these 500 species are being used and sold. Changes, however, will occur. Some species will fall into disuse, and other species that are now in disuse will become their substitutes. The case of the Hemlock might be cited as an example. The silviculturist must therefore forecast the future. One thing we are fairly sure of is that the timber at present in use in largest quantity will be sure of a market in the future. Among this last class we can place the conifers and especially the white pine, which furnish the bulk of our lumber. We must also suit our trees to the climatic conditions of the country, there being little chance for acclimatizing them, hence native species are mostly preferable. The choice of soil must also be considered. The trees rely less upon the mineral constituents than upon the physical conditions, and hence we relegate the best soil to the agriculturist. Water, however, is the important factor, and thus the silviculturist tries to secure favorable water conditions, the depth of soil being of much importance in this respect, especially with deep-rooted species.

Other considerations also influence his operations, such as the preservation of soil and moisture, which is the most essential contribution of the soil to tree growth, and which requires the soil to be kept shaded.

In fact, there is nothing that a forester guards so jealously, next to the light conditions at the crown, as the soil conditions: A soil free of weeds and grass and covered as amply as possible with a heavy mulch of decaying leaves and twigs, and if this best protection of the soil moisture be deficient, a cover of shrubby undergrowth which requires less water than weeds and grass—this is the character of a desirable forest floor.

Altogether it will have appeared from the previous study of tree growth and forest development that the entire silvicultural operations with an established crop resolve themselves into one, namely, proper management of light conditions, which is secured by the judicious use of the axe.



---

---

Let us now examine the best way of forming a forest. A mixed stand is best for all purposes, but it requires more skill in its management. In a mixed stand we combine the tolerant and intolerant varieties, the deep-rooted with the shallow-rooted varieties, thus using all the available root and air space. This arrangement is also a protection against insects, fires, winds, snow and other destructive agencies, and, moreover, such a stand furnishes a varied product.

There are two methods of starting a crop: artificial re-forestation and natural regeneration, secured by the proper use of the axe. In harvesting the old crop the new crop may be reproduced.

Most of our deciduous trees will sprout and thus replace their fore-runners by a *coppice* growth, consisting of sprouts from the stumps. The simplest and crudest method of reproduction which results naturally when the old hard woods are cut, is applicable only to the broad-leaved trees which are capable of producing valuable shoots in this manner. The capacity for sprouting is possessed in different degrees by the different species and is more or less lost by all in old age; and especially after repeated harvests the stumps become exhausted and die, so that the forest is apt gradually to deteriorate in composition as well as in density, unless fresh blood is added by reproduction from seed. Thus in Pennsylvania, where the system has been in vogue for a century or more to furnish charcoal for the iron furnaces, the valuable white oaks and hickories have been crowded out by the chestnut, which is a superior sprouter.

Another disadvantage of this coppice system, under which the woodlands of deciduous trees in almost all New England and Atlantic States are produced, is that, although the sprouts develop much faster than the seedlings from the start, they soon fall off in their growth, and are capable merely of furnishing small dimensions and firewood. The coppice, therefore, is useful only for certain purposes, but cannot be relied upon to furnish material for the great lumber market.

The deterioration consequent upon the continued application of the coppice is best studied in Italy and in certain parts of France where serviceable timber is almost unknown, and fagots of small firewood are precious articles.

All other methods of regeneration, both artificial and natural, depend ultimately upon the use of seed. In order to reproduce with any degree of success the silviculturist must secure good seed, good seed bed, good light, and good protection for his seedlings. The choice of method depends upon financial as well as silvicultural considerations.

In protection forests and luxury forests in which the requirement of a continuous soil cover may be paramount, methods in which the old crop is very slowly removed and replaced by the new crop are indicated, even if financial and silvicultural results would make other methods desirable.

In supply forests the cheapest method which secures desirable proportionate results in the crop is to be chosen. This must vary according to local conditions, such as climate, soil, species, cost of planting and of logging.

The clearing process followed by artificial replacement entails a money outlay for the latter from year to year; the gradual removal methods with natural seeding avoid, to be sure, this outlay, but since, to secure the same amount of harvest, a larger territory must be cut over, they entail large initial investment for means of transportation, which must be maintained for all the years of removal and they occasion also otherwise greater expenses in the harvest than the concentrated logging in the clearing system, which may be done over temporary roads.

Over 80 per cent. of the forests of Germany are managed under a clearing system and rapid removal systems, and only 20 per cent. under slow removal and other systems.

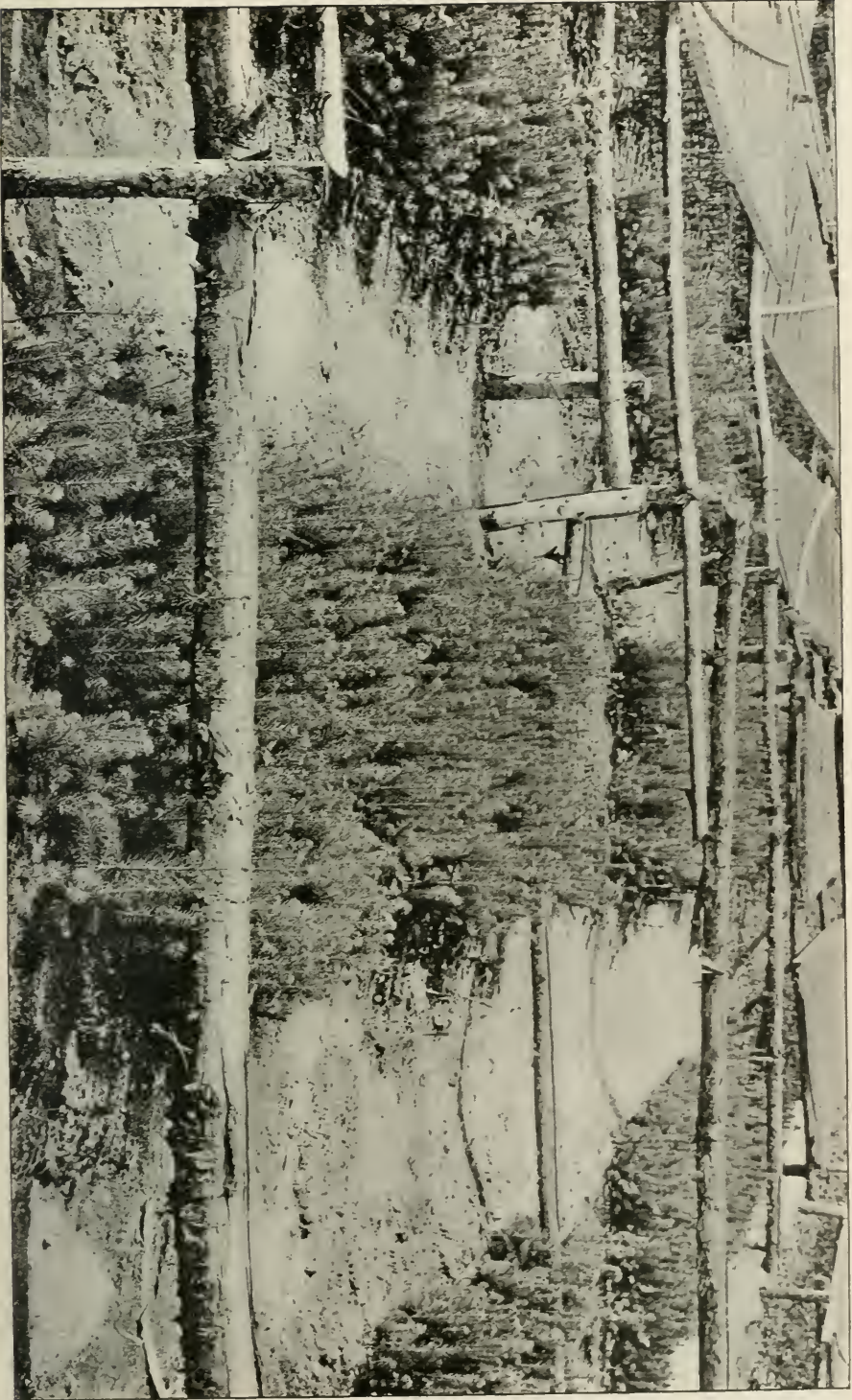
Where, as in our culled forests, the valuable species have been removed and the weed trees have been left in possession, it stands to reason that no regeneration method will re-establish the better species; they must be restored by artificial means.

These slow removal methods consist in opening small spaces or narrow strips so as to prepare the soil and let in sufficient light to cause the germination of the seeds which fall from the trees left standing.

Trees seed only in periods, for example, the white pine seeds only every three or five years, and we must know when the seed year is going to occur. Some species have seeds every year, and if they are not desirable we must cut so as to get rid of them.

In our virgin woods the seedbed often is undesirable. The litter must be decomposed to furnish a good seed bed so that the tiny fibrous roots of the seed may reach mineral soil. Some species require more light than others in youth, and hence the parent trees must be removed more or less rapidly.

One of the simplest methods of regeneration is the strip method. This consists in cutting a strip of trees from the land in such a way that the wind will blow the seeds from the trees standing on to the cut part. Another strip is cut the next year, and so following. Another of the crude methods is an improvement on the lumberman's method of cutting old trees here and there and thus giving light to the young volunteer aftergrowth; the so-called "selection" method. The lumberman culls, to be sure, only the trees he can use, but the forester works from the standpoint of the young crop, i.e., he cuts with a view to the best interest of the young crop. The best method, where practicable, consists in the gradual but more rapid removal of the whole crop so that the young crop will have a clear new field to start on.



NURSERY, CORNELL COLLEGE FOREST, ADIRONDACKS.



In this so-called "nurse-tree" method the periods of cutting must receive consideration. A preparatory cut secures better seed production and also a better seed bed and better light; the next cut is made to secure full seed production; this is followed by two or more removal cuttings, as the young crop demands; until finally, in 3 to 20 years, the whole old crop is removed.

In Germany, over 50 per cent. of the reproduction is done by artificial means, and this is found to be most satisfactory. After the crop is produced there is still a chance of improving it by accelerating its development. It is possible to increase the production 2 to 3 fold by a proper use of the axe.

As in the natural methods the axe is the only tool which is used to secure the regeneration, so is the axe the only tool which cultivates the young crop, such cultivation consisting in the judicious removal of surplus trees



GERMAN SPRUCE FOREST.





by the so-called thinnings, by which the quantity and quality of the crop is increased. To understand this, it is necessary to know that trees form wood by the function of the foliage under the influence of light.

Hence, a tree with much foliage and unimpeded access of light is bound to make much wood. These conditions are fulfilled when the tree is allowed to grow in open stand, as on a lawn, without close neighbors, who would cut off some of the light supply.

But trees under such conditions grow mostly into branches, the crown being developed at the expense of the bole, which remains short and more or less conical in shape, of little commercial or technical use, except for fire wood. When the trunk is sawn into boards, every branch appears as a defect, known as a knot, which makes it unfit for use in the better class of work, and thus while the total quantity of wood in the tree is increased by the open stand, it is done at the expense of quality.

The object of the forester, however, is not simply to grow wood, but to produce wood of such form and quality as is useful in the arts. The ideal tree for him is one with a long, cylindrical, branchless trunk, bearing its crown high up, which when cut into lumber produces the largest amount of material clear of knots, of straight fibre, and giving the least amount of waste or fire wood.

His aim, therefore, must be to so place his trees that, while the largest possible amount of wood shall be produced, it shall be deposited in the most useful form also.

---

---

By a close position, when each tree cuts off the side light from its neighbors, the formation of branches is prevented, or the branches which were formed, being overshadowed, soon lose their vitality, die, and finally break off, leaving the shaft smooth, and, if this clearing was effected before the branches had reached considerable size, the amount of clear lumber is increased.

But again, if the trees are kept too close, if too many trees are allowed to grow on the acre, each one having the smallest amount of foliage and light at its disposal, the amount of wood produced by the acre may be fully as large as it is capable of producing, but it is distributed over so many individuals that each develops at the very slowest rate, and hence does not grow to useful size in the shortest time.

To secure his object, producing the largest amount per acre of the most useful wood in the shortest time, the forester must know what number of trees to permit to grow so as to balance the advantages and disadvantages of close and open position.

This number differs not only according to the species composing his crop, but also according to soil and climatic conditions and to the age of the crop.

Some trees having considerable capacity of enduring shade, like the beech, sugar-maple, or spruce, may require many more individuals to the acre than the more light-needing oaks and pines; on richer soils fewer individuals will produce satisfactory results, when on poorer soils more individuals must be kept on the acre. The question of the proper number of trees to be allowed to grow per acre at different ages is one of the most difficult, on which practitioners differ widely.

In general, however, the practitioner has recognized the necessity of preserving a dense position for the first twenty to thirty years of the young crop, sacrificing quantitative development to quality and form. The close stand secures the long, branchless, cylindrical trunk, which furnishes the clear saw-logs of greatest value. Then, when the maximum rate of height growth has been attained, a more or less severe thinning is indicated, in order to secure quantitative development, and these thinnings are repeated periodically, to give more light as the crowns close up, and also to utilize such of the trees as are falling behind in this wood production.

As a result of judicious thinnings, the rate at which the remaining crop develops may be doubled and quadrupled, the heavy, more valuable sizes are made in shorter time, and, where the inferior material removed in the thinnings is salable, a much larger total produce is in the end secured from the acre, for many of the trees which were removed and utilized would have died, fallen, and decayed in the natural struggle for existence.

In German forest management the amount utilized in thinnings amounts to 25 per cent. and more of the final harvest yield.

While the crop is developing it is, of course, necessary to protect it against damage of various kinds. The young seedlings of some species are apt to suffer from frost or drouth, which is avoided by growing them under shelter of older trees, by draining wet places, securing opportunity for cold air to draw off, etc.—mostly preventive measures. In prairie and plain it may be possible to assist their resistance to such damage by cultivating the ground as the farmer does, but in the real forest country such means are excluded by the character of the ground and the expense.

Animals, and especially insects, are frequently injurious to the new crop, and insects also to old trees, by their defoliation. This damage, too, can be largely obviated by preventive measures.

Since many, if not most, injurious insects feed on one species, or at least one genus, mixed forests resist their danger better, since the number of host plants is reduced and the intermixed trees impede progress and development of the pest.

Wind-storms are a danger to older timber, especially of shallow-rooted species, like the spruce, and on soft soils and exposed slopes or mountain tops. Here, care must be taken in keeping the stand well thinned, so that the trees may get accustomed to the swaying of the winds in more open stand. In this way they are induced individually to form a better root system and become wind-firm, while in the dense stand their strength was only in the union with neighbors.

The greatest danger to forest properties, however, is fire, and the protection against this most unnecessary evil resulting mainly from man's carelessness, absorbs a large part of the energy of the forester. Proper police, but also silvicultural measures, reduce the amount of danger and damage. Young crops, during the seedling and brushwood stage, are readily killed, while older timber may stand scorching without much or any damage.

A damage even greater than the loss of the crop is experienced in the loss of the soil cover, the litter and duff, which is the forester's manure. This loss may become irreparable in localities where only a thin layer of mineral soil overlies the rock, and the opportunity for starting a new crop may be entirely destroyed. The fire danger in Canada, while much reduced, is still so great that in many localities it almost prohibits the practice of forestry; for who would want to invest money and energy in a property which is exposed to extra risks from fire by the absence of proper legislation, or by the lack of police and moral support on the part of the community in enforcing it, by the unpunished negligence or malice of incendiaries, and by the populational conditions of the country, which prevent the economical disposal of the debris from logging operations?

Partial burning and piling of the brush reduce the danger somewhat, but hardly in proportion to the expense. The readiest remedy, where forestry is to be practiced under such conditions, is to make a clean sweep, that

is, clearing, burning up the debris, and replanting, or else, if natural regeneration is to be relied upon, adopting the strip system, when the opportunity of burning the debris totally is still possible.

The only hope here, in the absence of a paying home market for fuel from the inferior material, is to establish chemical works for its conversion on a large scale into charcoal, acetic acid, wood alcohol, and other useful manufactures.

In fact, the application of silviculture, i.e., the systematic production of wood crops as a business proposition in our culled, mismanaged wood lands throughout Canada is, in most cases, possible only where the means exist of utilizing this inferior material; for the risks from fire are too great, or else the cash which would otherwise have to be spent in making room for the young crop will surely exceed reasonable proportions. Only the state or other long-lived corporations can afford to spend money now in the hope of adequate returns in a distant future.

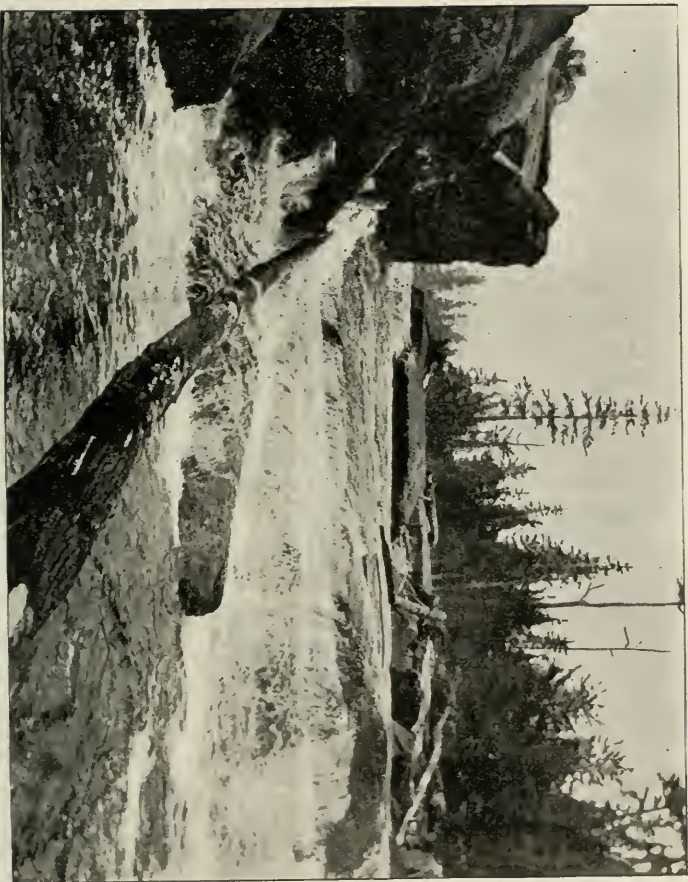
Forest crop production as a business, silviculture, will become practicable and profitable in this country only when reasonable forest protection is assured by proper exercise of state functions.

Until this is secured, lumbermen will continue to exploit the natural forest without much regard to its fate after they have secured its present valuable stores, for they cannot afford to assume the hazard of the fire danger.

Before positive silvicultural methods are applied by them, they may find it advantageous to cut the virgin forest more conservatively; they may find that it pays in the long run better not to cull too closely, that it is advantageous to leave more of smaller sizes, i.e., to limit the diameter to which they remove trees, so that they may return sooner for a second cut, and also to avoid unnecessary damage to the young volunteer crop. At present the limitation of size to be cut or to be left uncut is based upon calculations of immediate profits to be derived, and does not take into account any future considerations, since the lumberman does not cut with a regard to the future, but attempts to secure the largest present gain. He views the forest as a mere speculation. To curtail his present revenue for the sake of a future revenue by abstaining from cutting all that is marketable is the first step toward changing this point of view, introducing the idea of continuity, and treating the forest as a permanent investment.

It must be understood, however, that the limitation of the size of trees to be cut or to be left uncut has not necessarily any bearing on the replacement of the crop; it is not silviculture. It is in the main a financial measure, it being demonstrable that it pays better to leave small sized trees to accumulate more wood before utilizing them; or else a device to prevent over-cutting of a valuable species, so that it may not be eradicated too soon, a wise measure whenever systematic attention to positive silviculture cannot be given.





RAPIDS, UPPER MADAWASKA

Photo by Houghton W. Wilson.

## LECTURE VI.

### LUMBERMAN AND FORESTER.

All the great diversity of activities, of industries, of commodities, of sources of wealth which characterize the modern civilization and give employment to the millions, have their origin more or less directly in that primary source of wealth and comfort, nay of life itself, the soil.

And next to it stands water: Water is the best thing, sang Pindar of the Greeks.

But without soil to use it, it is of little avail. And yet again, soil without water to support useful plant production would be an empty treasure, for it is water that makes the soil available. So intimately are soil and water connected that the one cannot be disassociated from the other. Just as in a chemical compound, inert and separately useless or obnoxious elements, combine to form active, most valuable and beneficent bodies, so does water and soil impart, each to the other, its value by their combination.

Soil and water, then, are man's richest treasure, and if he be rational he would guard them more than any other sources of material wealth and use them with discretion; yet in all countries and in all ages man has been careless and wasteful of these most important bases of his well-being. He has squandered them lavishly, has allowed them to dissipate and to slip away or to be destroyed, seemingly in utter ignorance of their important bearing; whole peoples have been impoverished, practically wiped out through mere neglect or abuse of these primary sources of wealth and through ignorance as to the conditions and relations influencing their preservation.

"Man goes over the earth and leaves a desert behind him." "Precisely that portion of the earth's surface which about the commencement of the Christian era was endowed with the greatest superiority of soil and climate is now completely exhausted," says Geo. P. Marsh, in his classic volume, "The Earth as Modified by Man." "A territory which in bygone centuries sustained a population scarcely inferior to that of the entire Christian world at the present day has been brought into desolation almost as complete as that of the moon."

Nor is this destruction of naturally favorable conditions confined to that portion of the earth and that era. We can trace it over the globe and through all ages, progressing only less intensely and now arrested here and there by intelligent man.

---

It has been reserved for the present era, with the development of natural science, to find and appreciate the reasons for this loss and deterioration of our great sources of wealth; and finding the reasons, to suggest the remedy and prevention of further loss.

We have learned only in modern times to appreciate that all things are in relation, that, therefore, we cannot take away anything from the complex conditions of nature, that we cannot destroy or modify one condition, without affecting more or less all other conditions.

With regard to the soil, we have learned that its stability and its fertility are in most direct relation to the water conditions and the topography of the land. But a third important factor that enters into the problem of the conservation of the soil and of water is its cover. This was perhaps most definitely expressed by that great exponent of natural philosophy, A. v. Humboldt, when he exclaims in his *Cosmos*: "How foolish does man appear in destroying the mountain forests, for thereby he deprives himself of wood and water at the same time"; and he should have added: Of soil, also!

The importance of the forest cover of the earth has only lately been fully realized, not only as a furnisher of a material most needful to civilization, next to food, but because of its relationship to soil and water conditions.

Last night we learned how forests form and change in their aspects under the laws of evolution without the interference of man.

To-night we propose to take up the history of the forest at the time when man came upon the scene and became a factor in the further evolution of forest growth.

The history of the forest in all parts of the world has been the same.

During the age of the hunter—and these ages are not separated by long distances of time, but occur simultaneously in different parts of the world—the forest served as a harbinger of the game besides furnishing the small amount of fuel needed.

Perhaps, too, portions of it were carefully burned over to subdue the undergrowth and facilitate the pursuit of the game without destroying the shelter.

When the hunter became a farmer portions of the better soils had to be cleared of their forest growth for fields and pastures, and increased demand for wood materials to construct barns, sheds and stables, and for family use necessitated further inroads upon the neighboring forest. Fires used in the clearing of farm lands probably often ran beyond their boundaries through carelessness and harmed the forest more than the hunter's fires.

Finally, when the age of modern civilization arrived, cities were built and demands for wood materials arose beyond the needs of domestic uses, the first lumberman found his calling, cutting and marketing the crop of timber, which he found accumulated in the virgin forest.

At first carried on in a crude manner, the exploitation was confined to the woods along the water courses and along the seashore, where ready means of transportation were at hand, but with the growth in population, in civilization, in industrial activity, the development of railroads and improved means of transportation, the need for forest products grew, and the art of the lumberman and the wood-worker experienced the wonderful development we know to-day, so that in magnitude of interests the business of exploiting the forest, manufacturing and purveying its products is next to the business of producing and handling food materials, the largest in all fully civilized countries.

I have dilated yesterday on the enormous and ever increasing needs for wood materials in our modern civilization, but in order to accentuate the great importance of the business of the lumberman, the necessity of his existence, I am tempted to add just one way of stating what the lumber business means in comparison with other interests, at least to the people of the United States, and I dare say a similar comparison could be made for Canada, a comparison which was made on the basis of the Census of 1880 by Prof James, but holds probably still approximately true:



LOG JAM, MADAWASKA,

Photo by Houghton W. Wilson.



"If to the value of the total output of all our veins of gold, silver, copper, lead, zinc, iron and coal, were added the value derived from the petroleum wells and stone quarries and this sum were increased by the estimated value of all steamboats, sailing vessels, canal boats, flat boats, and barges, plying in American waters and belonging to the citizens of the United States, it would still be less than the value of the annual forest crop by a sum sufficient to purchase at cost of construction all canals, buy at par all the stock of the telegraph companies, pay their bonded debts and construct and equip all telephone lines in the United States. It exceeds the gross income of all the railroads and transportation companies, it would pay the indebtedness of all the States, counties, townships, school-districts and cities included, excepting New York and Pennsylvania." What do we conclude from these considerations and facts? That the lumberman, the purveyor of these forest products, is a most necessary and important factor in our civilization, that the Arbor-day oratory of "Woodman, spare that tree," with opprobrium thrust at the wood-choppers is puerile and inappreciative of the proportions which a reform in methods of forest exploitation must assume.



KATCHEWANOOKA LAKE.

Photo by Houghton W. Wilson.

I have shown you these illustrations of the activities of the lumber trade to impress you with the fact that forests grow to be used, trees must be cut to supply our needs of wood materials, wood-choppers and lumbermen must be active; only one other activity is to be added to theirs; that of the forester, modifying their manner of cutting and of using the forest. Both forester and lumberman are in the business of providing our requirements for wood materials, both are concerned in the utilization of the forest, both are harvesters, but while every forester must be a logger, the logger does not proceed in the same manner as the forester.

The difference between the logger and the forester is that the former is a harvester of nature's crop, an exploiter of the natural resource, cashing the accumulated wood capital, a mere converter into useful shape of a crop to the production of which he has contributed nothing and to the reproduction of which he does not give any thought, while the forester is a producer of wood crops, just as the farmer is the producer of food crops; when he harvests the naturally grown wood crop it is with the view of reproducing again and again systematically another crop from the same ground. The main difference, then, between forester and lumberman is their *attitude towards the future*.

The lumberman treats the forest much like a mine from which he removes the pay-ore, leaving the less valuable rest to its fate and nature's care. To him the forest is not an investment but a speculation from which he tries to withdraw as soon as possible both capital and profit. Hence, all his appliances, his camps and shanties are only temporary structures which he allows to collapse or which he removes when he has cut out what will pay him at present to take.

His roads, if he makes any, intended only for temporary use, namely, until the present harvest is secured, are made as cheaply as possible. In many parts they are passable only in winter time, when snow has covered the uneven ground and by means of water sprinklers an ice road can be secured.

Even the railroads, the modern means of conveying the harvest to main lines and to mills, are only roughly built, for they are in a few years to be abandoned or shifted, unless their location is such as to warrant their change into regular carriers.

The harvest is made without regard to the fate of the young growth present or any possible aftergrowth, the interest of the logger being only in the present. There is often little care and thought given to a thorough utilization of even the valuable parts, but certainly whatever is not saleable at present, is neglected, despised, destroyed. We do not say ruthlessly, or recklessly, which implies absence of all reasonable consideration, for the logger reckons and he has ruth or regret—he reckons, however, only from one point of view, namely, that of present profits, and he regrets merely that there is not more profit to be had from the part destroyed. Whatever

curtails profits must be avoided, cheap production of the harvest is his only hope of satisfactory margin; his business is to reap the present harvest, and only that part which pays; the future must take care of itself. The standpoint of the logger is properly and consistently chosen, whatever may be the point of view of the economist.

The lumberman, like any other business man, chooses first of all or altogether to consider his private pocket interest, which lies in the present; he cannot afford or does not choose to include a distant future in his calculations, for the future belongs to others.

What is the result of his operations in the forest?

Since nature produces mostly mixed forest and does so without any economic considerations as to composition, quality and quantity, producing weed trees with the valuable, old and young, large and small, the merchantable with the unmerchantable, in careless mixture, and since the lumberman takes only the desirable kinds and the best sizes, cutting here and there, his operations may leave the forest in such a condition that a layman may not even see a change has taken place—the forest cover is hardly interrupted, the few trees taken are not missed, the debris soon decays, and seemingly no damage is done. This is often the case where a hardwood forest contains a few conifers, and these alone are taken. If the desirable kinds are more frequent, and hence the openings larger and more frequent, the debris more plentiful, the interference becomes more readily visible. Finally, where, as in the pineries, in the Redwoods, in the coniferous forest generally, the mercantile kinds and sizes cover the ground nearly entirely, the lumberman's selective cutting becomes almost or entirely a clearing, a real denudation.

In each of the three cases, there is one damage that is likely to result, namely, an undesirable change in aftergrowth.

If, as is customary, he culls from the mixed forest only those species which are useful to him, and leaves in possession the less desirable, the weeds, these necessarily provide for the succession of their own kind. If it be a shade-enduring species which he values, like the spruce, its reproduction may still be possible, provided the openings are large enough, and enough seed trees are left to provide the new progeny, although necessarily the amount of the useful reproduction must be curtailed. If it is a light-needing species, like the white pine, that he has culled, its reproduction is practically prevented in many cases by the mere presence of the unused portions of the stand. In the competition with other, especially shade-enduring, trees, the light-needing-species is placed at a disadvantage and disappears from the woods, unless man himself actively assists in its re-establishment.

If he clear the entire native growth, but leave a neighboring stand untouched, the species with light-winged seeds and capable of developing in full sunlight without the protecting shade of mother trees, will soon recover the bared ground.



If he remove all that he desires and destroy the rest by fire, the re-establishment must pass through nearly all the phases of evolution, which the virgin woods had to pass. Where the denudation had been complete, the lower vegetation of weeds and brush must occupy the ground first, and only after long struggle can tree growth re-establish itself.

Thousands of acres are in this condition; wooded, sometimes densely wooded, but the value gone, from the supply point of view. With the timber of present value gone, the interest of the lumberman is gone, and with the slash left on the ground and the carelessness to which our people are bred with things that are apparently useless, the almost unavoidable sequence in such slashings is the forest fire.

While the direct damage to the future which the lumberman inflicts by his harvesting process, in reducing valuable aftergrowth, is considerable, it is altogether small in proportion to the much greater indirect damage which is the consequence of these fires. And here again let me impress you with the thought that, from the standpoint of the community, the least damage of these fires is the destruction of the standing timber, although many millions of dollars worth of timber are annually destroyed; the much greater damage is that to the future, to the coming generations. A light fire running over the ground, if it were confined to the slash itself, during a season when it is burning with the least fury, as in the early spring when snow is still on the ground, might be even a benefit in reducing the brush and thus giving better chance for an after-growth. But usually these fires start at the most dangerous season, dry and drouthy, and are not confined, but run into the green timber. In the deciduous-leaved forest they run slowly, injuring the mature trees at the base and causing decay to set in, which may finally result in death. In the coniferous forest, some species, with a thick bark, will withstand a light running fire without injury, but usually in dry seasons the timber is killed outright, and if not cut at once, insect pests, the secondary result of forest fires, will finish it. In many cases the first fire does only partial damage, but a repetition is then so much more disastrous, and finally, with windstorms throwing the damaged trunks, the repeated fires not only clean up all the timber, but burn up the surface soil itself, at least the fertile surface portion of it.

The carelessness of hunters and farmers continues, burning over again and again the scanty vegetation until finally the bare rock is reached and nothing grows—a man-made desert is the result.

In Wisconsin at least 8 million acres have thus been reduced to waste and now efforts are being made to recover the land by reforestation.

Erosion of soils, landslips filling rivers, floods, and drifting sands, are some of the consequences of this devastation.

One evil which has hardly ever been pointed out is the increase of windfalls. By opening up the forest, the trees which had learned only to stand up in union, become exposed directly to the sweeping winds and are laid low. Insects follow.





MAN MADE DESERT.  
Burnt slope after seven fires.



MAN MADE DESERT.



SOIL EROSION.

That all young after-growth falls a victim to the forest fire, be it ever so slight, stands to reason, and, with the changes in condition of the soil, the soil cover, and the light conditions in the crowns, a growth of valueless species, shrubs and tree-weeds occupies the ground.

The lumberman, then, in so far as he supplies us with the necessary wood materials, is a legitimate factor in our civilization; in so far as by his methods he destroys, indirectly or directly, the soil, the after-growth, and the chances for re-habilitating it, he is from the standpoint of political economy a dangerous element, at least to future generations. We must, to be sure, admit that peculiar economic conditions have forced his methods upon him, and he is left without proper assistance in reducing the danger, by lack of proper appreciation of the damage inflicted, on the part of the public and the state authorities which alone are the representatives of the community and should especially guard the interest of the future.

Not until this appreciation of the duties of the community has led to proper effort in reducing the fire danger, is there hope in changing the methods of the logger materially; not until forest properties are rendered comparatively safe from incendiarism will it become rational and practicable to apply forestry methods to their management.

The forester also is a lumberman; he, too, harvests his crop; his business, too, lies in supplying wood materials to the community, as you may

see in the German forest. The only difference between lumberman and forester is that the latter must provide for a new crop as valuable, or more so, than nature made it.

You will see that the forester is not after the beauty, but after the substance of the tree; he, like the logger, uses the axe to harvest the crop, nay he utilizes the forest even more closely than the lumberman; for he must in some way make use of the inferior kinds and parts, the tops and branches, and even, if necessary, he must spend some money in making useful or else removing the brushwood. This is often impracticable, and by so much the forester is impeded in his main business by the economic and market conditions. He must do some "dead work," in order to create conditions favorable for his main business, and his main business is to secure a new and better crop of wood from the same soil for the future. He is not satisfied with the mere harvest of what nature has accumulated, leaving it to nature to do as it pleases in replacing the harvest; but he feels himself obligated to provide systematically for a future and better crop than nature alone could produce.

The forester's song is not "Woodman, spare that tree," but "Woodman, cut that tree judiciously," so that a new generation may arise where it stood.

Under the forester's care, then, the trees will be cut and removed, but the forest will persist. He is the preserver of the forest, not in the manner in which the public is often made to believe, namely, by preventing the use of the wood, but as all life is preserved, by removing the old and fostering the young growth. He is a sower as well as a reaper, a planter as well as a logger, for forestry is, with regard to wood crops, what agriculture is, with regard to food crops.

He may secure this new crop either by cutting off and removing all the old crop and replanting the ground, a method which is often the only possible one with our mismanaged virgin woods, where the useful species have been eliminated or where fire has destroyed all the old timber. Or else he may secure it from the seeds of the trees already on the ground, by skilful management of the light conditions, gradually removing the mother trees and securing what is called a natural regeneration.

In the latter case, before he utilizes the kinds for which he wishes to perpetuate the forest, he culls the inferior and leaves, until they have reproduced, only the more useful; he gives direction and assists in the struggle for supremacy the most fit; he substitutes artificial selection for natural selection, assuring the protected survival of the most useful. The forester's forest, then, differs from nature's forest, developed under the laws of natural evolution; for he introduces the economic point of view. And, when he finally gathers the harvest, he secures not only a larger total and more valuable product for the present, but a reproduction of only the best kind for the future.



---

By these means the German forests of to-day have been produced, which, while they may lack in picturesqueness, are of superior economic value, producing, on soils which are not fit for agriculture, in half the time, double the useful material that nature's forest has produced. This is done by reserving the soil for useful species only, by thinning out from time to time, and thus benefitting the remaining stand, securing the largest amount in the most useful form on the smallest number per acre. And, finally, the harvest is made, as thoroughly as the farmer makes it, to make room for a new crop, and thus successive crops are harvested and reproduced.

On this continent for the present, and for some time to come still—owing to our peculiar economic and populational conditions—our national forest resources will be to a great extent merely exploited; the lumberman will continue, for some time, to treat his forest property as an object of speculation, possibly treating it more carefully. The forester, who looks at the forest as an investment, to be perpetuated and renewed forever, comes when civilized permanency, stability of conditions warrants it, when he can make his home in the woods.

The first step towards making his business possible is adequate protection of forest properties against fires, a subject of legislation and morals. The next step is the possibility of a more thorough utilization of what we cut, and care in not unnecessarily destroying young growth, a matter depending on the development of cheap means of transportation and distribution of population.

Finally, the application of the skill of the forester is called for, such as you propose to educate in this institution.



## LECTURE VII.

### METHODS OF BUSINESS CONDUCT— FOREST ECONOMY.

As in every technical industry concerned in production, so in forestry the methods of the technical art are distinct from the methods of the business conduct. "Silviculture" represents the technical art of forestry; while under the comprehensive term "forest economy" we may group all that knowledge and practice which is necessary for the proper conduct of the business of forestry.

Besides the purely technical care in managing the productive forces of nature to secure the best attainable production of material, best in both quantity and quality—the highest gross yield—there must be exercised a managerial care to secure the most favorable relations of expenditure and income—the highest net yield, a surplus of cash results without which the industry would be purposeless from the standpoint of private enterprise and investment. Moreover, an orderly conduct and systematic procedure to secure this revenue is necessary.

It is possible to practice the art of silviculture incidentally, as the farmer does, or can do, on his wood lot, without special business organization and elaborate planning, the owner harvesting and reproducing and tending his crop whenever needful; but the case is different if forest growing is to be carried on as a business by itself with a view to continued and regular procedure, to continued and regular revenue; in that case more elaborate planning becomes necessary.

The one peculiarity which distinguishes the forestry business from every other business is the time element. The forester cannot harvest annually what has actually grown (the current increment); the forest crop, as we have seen, must accumulate the accretions of many years before it becomes mature, i.e., of sufficient size to be useful; hence, unless special provisions are made in the management of a forest property, the crop and the revenue would mature and be harvested periodically only, and that in long periods; from twenty to a hundred years and more would elapse from the sowing to the reaping.

The farmer may be satisfied to practise on his wood lot attached to his farming business what is technically called an "intermittent" management, harvesting and reproducing from time to time without attempting to secure regular annual returns. But when forestry is to be practised as an independent industry, it becomes desirable, as in any large mercantile es-

tablishment, to plan, organize, and manage the business so as to secure, continuously and systematically, a regular annual income nearly equal or increasing year by year.

The lumberman or forest exploiter also plans and organizes his business for annual returns, not, however, to be derived continuously from the same ground; he seeks a new field, he changes his location as soon as he has exhausted the accumulated stores of his forest property, which he then abandons and devotes to other purposes than wood-cropping.

The forester's business is based upon the conception of what is technically called the "sustained yield," a continued systematic use of the same property for wood-crops, the best and largest possible; this is secured by proper attention to silviculture, reproducing systematically the harvested crop. Finally, when the industry is fully established, he is annually to derive this "sustained yield" as far as practicable in equal or nearly equal amounts forever, under an "annual sustained yield management." This is secured by means of *forest regulation*, the principal branch of forest economy, which comprises the methods of regulating the conduct of the business so as to secure finally the ideal of the forester—a forest so arranged that annually, forever, the same amount of wood product, namely, that which grows annually on all his acres, may be harvested in the most profitable form.

As in every business, there is an ideal, a standard in conduct and condition, which the manager more or less consciously recognizes and follows, or seeks to establish, yet, on account of uncontrollable circumstances can never quite attain, so is the ideal of the forester never quite attainable, although it is his obligation to attempt and approach it as far as practicable.

The ideal conduct of the management "for annual sustained yield" is possible only under the ideal condition, which the forester recognizes in the "normal forest," the standard by which he measures his actual forest and to which he desires, as nearly and as quickly as circumstances permit, to bring his actual forest. The latter will usually be found abnormal in some one direction, or in several directions, and hence makes the ideal conduct impossible. The object of forest regulation, then, is to prepare for the change of an abnormal forest into a normal forest.

In simplest terms, the normal forest is a forest in such condition that it is possible to harvest annually forever the best attainable product; or to secure continuously the largest possible revenue.

While we have assumed, for the sake of simplicity of conception that the stands of different age, the age classes, are separate in area the one from the other, it is readily conceivable that all, or some of them, may be mixed together, on the same area, as in the selection forest, where all age classes, from the seedling to the matured timber, are mingled; and if there are enough trees in gradation from the older to the younger, allowing for losses, so that the younger age class can replace in amount the older as it is

---

removed or is growing out of its class, we would have arrived at normal condition for the selection forest.

In the actual forest some one condition or all conditions will usually be found abnormal. The normal accretion may be deficient, because the area is not fully stocked or the timber is past its prime, old timber growing at an inferior rate, or rot off-setting increment. The age classes are usually not present in proper gradation and amount; some of them are probably entirely lacking, others are in excess, either too many stands of older or of younger timber, so that even if the normal stock of wood in *amount* be on hand, it may be in abnormal *distribution*.

The normal accretion can, of course, be established only by silvicultural methods. The other two conditions are attained or approached by regulating the felling budget in area and amount, so that gradually the age classes and the normal stock are established.

The simplest method would be to divide the forest into as many areas as there are years or periods in the rotation, and cut one, or the equivalent in volume, every year or during every period, when after one rotation the age classes are established. If proper attention has been given to the reproduction and to keeping the reproduced areas fully stocked, the normal conditions are attained after the forest has been once cut over, i.e., during the first rotation. But this would burden the present generation with the entire cost of securing the normality: at the same time necessitating not only unequal felling budgets, as better or poorer stands are cut, but also requiring that the harvest of timber past its prime be deferred, if the forest is largely composed of old age classes, or that immature timber be cut prematurely if young age classes predominate—in either case a financial loss. Indeed, the greatest practical difficulty which confronts the forest regulator is found in gauging the sacrifices which the present must make for the sake of the future.

Altogether, the principle of the "owner's interest" must be the guiding one in the management of any property: and it would first have to be demonstrated that a sustained yield management, either annual or intermittent, and sacrifices of revenue in the present for the sake of a future improved revenue are in his interest. For it must always be remembered that financially forestry means *foregoing present revenue or incurring present expenditure for the sake of future revenue*: it involves gauging present and future advantages, and the time element, as we have seen, is the prominent element in its finance calculations.

Before an annual sustained yield management will appear profitable in Canada, many changes in economic conditions will have to take place, among which we may single out reduction of danger from fire; opportunity for utilizing inferior material; increase in wood prices by reduction of the natural supplies on which no cost of production need be charged; the development of desire for permanent investments instead of speculative

ones; an extension of government functions, leading to the practice of forestry by governments on a large scale.

Meanwhile, all that can be expected from private forest owners is that they may practise more conservative and careful logging of the natural woods, avoiding unnecessary waste, and as far as possible paying attention to silviculture, the reproduction of the crop, leaving to the future the attempt to organize a sustained yield management. Only governments and perpetual corporations or large capitalists can afford to make the sacrifices which are necessary to prepare now for such a management.

In order to secure the data upon which the felling budget may be regulated, a *forest survey* is necessary, which will embrace not only an area and topographic (geometric) survey, serving for purposes of subdivision, description and orderly management, but also an ascertainment of the stock on hand in the various parts of the property, and of the rate of accretion at which the different stands are growing.

After having determined upon the general policy of management, with due consideration of the owner's interests and of market conditions, general and local; and after having decided upon the silvicultural policy, including choice of leading species in the crop for which the forest is to be maintained, and silvicultural method of treatment, as coppice or timber forest, under clearing system or gradual removal or selection system—the most important and difficult question to be solved is that of the rotation, the time which is to elapse between reproduction and harvest, or the normal felling age, that is, the age, or, so far as age is in relation to size, the diameter, to which it is desirable to let the trees grow before harvesting them.

There is no maturity of a forest crop as we know it in agricultural crops; wood does not ripen naturally, and trees do not even die a natural death at a given period, but death is with them a gradual process of decay, the result of exterior damage, of insect and fungus attacks; trees actually die by inches in most cases, and it may take hundreds of years before the trunk is so weakened that its own weight or a wind-storm may lay it low.

The question of ripeness, or the proper felling age, wherever forest growth is an object not of mere pleasure, as in a luxury forest, must be determined by economic considerations.

There is sense in the proposition that the felling age be determined by a diameter limit below which timber is to be considered immature; in fact, the forester bases his calculations of the rotation in part, at least, upon size of crop. But the proposition, frequently advocated, to restrict a forest owner to an arbitrary diameter limit, below which he is not to cut his crops, anywhere and everywhere, is not only unsound as an exercise of state policy, but also mistakes the economic questions involved in the determination of that limit, and entirely misjudges the value of the limitation as far as silvicultural results, the perpetuation of a valuable forest, are concerned. In fact, from this last and most important point of view it might be wiser,



under certain conditions, to impose upon the owner the cutting out of everything below a given diameter. For, as we have seen, in nature's mixed forest, valuable timber and weed trees are growing side by side, the diameter restriction indiscriminately applied might prevent the removal of the objectionable portion, the weed growth, putting a premium on the decimation of the more valuable portion. Without silviculture, i.e., attention to systematic reproduction, a diameter restriction is of little value. With silviculture it is not necessary, for even the entire removal of the whole, crop-denudation, and its replacement by planting or sowing, would accomplish the object sought, namely, the continuity of the forest, and in many cases might be preferable to other methods.

In other words, the determination of the rotation or felling age, or of the felling size, is largely a matter of financial calculation. This calculation is, however, influenced by silvicultural and technical, as well as purely financial, considerations.

An estimation of value requires numerous mathematical calculations. The forester must know the current accretion or increment of each year and from this determine the average accretion, that is, an average of several current accretions. The value of a stand depends upon the size as well as the volume and quantity among other things.

The forester must in a large way be a prophet. He must forecast what wood will have the largest sale in the future and also predict if the price will increase at all. The only basis upon which he can judge is the history of the past and he will be tolerably correct unless some unforeseen accident occurs. In Prussia for 65 years back the prices of wood have advanced  $1\frac{1}{2}$  per cent. per annum. In Canada White Pine sold for  $4\frac{1}{2}$ - $5\frac{1}{2}$  cents per cubic foot 50 years ago, whereas in 1893 it sold for 16-42 cents per cubic foot and to-day commands 60 cents per cubic foot. This is a very large advance.

Besides capital and time there must be present an economic spirit such as no other business requires. The product can be differentiated from the capital, but forest management is dangerous in private hands especially with little capital behind it. Hence, from the standpoint of the future this is a business which rather belongs to the state or a persistent corporation. In Germany, forestry has been practised for over a hundred years, and the statistics of the German states will show the financial results.

Let us take a glimpse at the results of forest management in Saxony from a business point of view :

	1824-33	1854-63	1884-93
Gross Revenue. . .	\$1.75 per acre	\$3.74 per acre	\$6.67 per acre
Expenditure. . . . .	80 "	1.15 "	2.30 "
Net Revenue. . . . .	95 "	2.59 "	4.37 "

Saxony owns 430,000 acres, so by multiplying 430,000 by 4.37 we can find her net revenue from forests alone. Besides this we find the felling

budget to be an average of 60 cubic feet per acre in the first period, 70 in the second, and 90 in the third, and while 17 per cent. of total cut was serviceable for lumber in the first period, 79 per cent. was serviceable in the last. These figures show what forestry when carried on properly can do for a country.

Prussia can show similar statistics, and we find that in this State the revenue has also risen in direct proportion to the expenditure, and consequent better management. There is no better investment to be had.

In Germany often the towns or villages own forests, when to be a citizen, means securing a dividend instead of paying taxes.

## LECTURE VIII.

### THE CHARACTERISTICS OF WOOD.

The forester's business is not so much to produce trees, or even forests, but the chief material which they furnish, wood; and not only wood merely, but wood of certain quality, fit for use in the arts. He must, therefore, not only be able to recognize the different woods and know their qualities and their applicability for various uses, but more! he must know how differences in quality are produced and apply that knowledge in the production of his crop. All the technical qualities—weight, hardness, strength, appearance, and even color to some extent, and the behavior of wood can be more or less directly traced to their variable structure—the varying combination of the cells, with thinner and thicker walls, larger and smaller lumina (openings), and cell systems, which make the wood.

Without going into details and microscopical distinction, a mere microscopic inspection with the magnifying glass of the gross features reveals much of the characteristics of the wood. A cross section (across the bole) serves the purpose best although tangential sections (parallel to the central axis) and radical sections (in direction of radius of the cross section) reveal also special features.

Comparing cross sections of our northern trees of various kind, we find that they can be classified in three classes differing clearly in appearance of structure. The distinction is found by examining each annual ring in itself, and the change from one ring to the other.

This examination reveals that in each case there are two zones defined in the ring of the year's growth, in most cases recognizable by color distinctions, namely the lighter colored interior part—the spring-wood, so-called because it is the first wood formed in spring—and the summer-wood, the last wood formed in the season. The former is lighter colored, because formed of thin-walled cells with wide lumina, forming a loose, open structure, while the latter is dark colored, because of thick-walled cells with small lumina, which reflect the light differently, forming a dense, compact structure. The wide-lumened cells or cell fusions may become so conspicuous that they appear like larger or smaller pores—cut-through "vessels"—and according to whether such pores occur, whether they are found distributed more or less evenly throughout the annual ring or whether they are more or less distinctly grouped in the spring-wood, the distinction is made into non-porous, diffuse porous, and ring porous woods.

The ring porous woods, like the oaks, ash, elm, concentrate their large-lumened vessels or "pores" into the spring-wood so that each ring is prom-

inently visible. These woods are mostly the hard woods of the broad-leaf trees, their compact summer-wood being the hard part. The diffuse-porous woods, which have their vessels and pores of smaller size but larger number, more or less evenly distributed, are mostly the soft wood like poplar, aspen, tulip tree; the summer-wood being also porous, and only the last one or few layers of cells being made up of thick-walled, small-lumened, compressed cells, making distinction of the annual ring difficult. The conifers represent the non-porous woods, that is to say, they have no pronounced large-lumened vessels or "pores." Their structure from beginning to end is the most simple and uniform. The only difference between summer-wood and spring-wood is that the former has the cells (or tracheids, so-called) thicker-walled and compressed in radial direction. Here, too, we will find soft and hard woods. The hard woods being represented by the Yellow pines and the Douglas fir, which form many summer-wood cells—the harder, dark-colored part of the annual ring—while others, like the White pines, cedars, etc., have only a few such compressed summer-wood cells, the annual ring being less pronounced.

The varying distribution of large and small pores in the broad-leaf trees permit not only further distinction of genera and species, but also judgment of qualities. It stands to reason that a larger percentage of the thick-walled elements, *ceteris paribus*, means heavier, stronger wood, so that by mere physical inspection at least a comparative judgment of the value of wood may be formed.

Since according to species the proportion of summer-wood and spring-wood varies with the rapidity of growth (width of ring) and since the forester can make trees grow faster or slower, he has it partially in his hand to produce difference in quality.

Another feature of the structure which are both used for purposes of identification and exercise an influence on technical qualities, are the so-called medullary or pith rays. While most cell tissues and wood fibres lie with their longest diameter in the direction of the length or axis of the tree or branch, the pith rays, aggregates of cells, lie with their greater diameter in radial direction interrupting the straight course of the wood fibre. They are, therefore, points of weakness. On the cross section they appear as radial lines, finer or broader, sometimes so fine, as in the conifers, as to be hardly distinguishable, again so broad, as in the sycamore and the oak, as to form a most prominent feature of the structure. It is especially in the radial and tangential cuts, which are the ones mostly exhibited in structures, that the pith rays play a role, appearing as different colored plates in the quarter-sawed maple, beech or oak, and as narrow indentations on the tangential cut. The absence or rather scanty development of pith rays in conifers is one of the reasons of the uniform quality and behavior in shrinking of these woods, while the difficulty in seasoning oak without checks is largely due to the presence of many highly developed pith rays.



---

In seasoning, the wood loses the water stored up in it; as it evaporates from the cell wall on the outside it is supplied from the cell-lumen on the inside—no shrinking of cell-walls takes place until the water of the lumen is exhausted and then the cell-wall must give up its water, the molecules composing the cell walls draw closer with the water molecules removed by the dry air—the cell or cell-tissues shrink. The thicker cell-walls of the summer-wood contain of course the most water and hence shrink also more than the spring-wood cells. Hence, the ring-porous woods, like the oak, shrink more unevenly, and are liable to warping and checking. The pith ray cells lying in different directions also shrink in different direction more, and other source of season checks is due to them.

While then the complicated structure of the ring-porous woods furnishes greater strength structurally, it also imposes greater care in their handling.

In general, the heavier wood is also the stronger, and the quality of the wood, with trees of pronounced summerwood zones, varies from the centre of the tree to the periphery, according to the rapidity of its growth. Since, as a rule, the rate of growth in diameter is greatest between the 40th and 80th year, the heaviest and strongest wood would lie in that part of the tree. And as the wood does not change in structure it was also strongest when it was still on the outside of the tree, i.e., when it was "sap-wood." In old age, to be sure, the tree growing slowly makes poorer wood and hence in old trees the sap-wood, not because it is sap-wood, but because it is old wood, is weaker.

## LECTURE IX.

### PRINCIPLES AND METHODS OF FOREST POLICY.

The forest cover is of more importance to the household of a nation than many other of its resources, it bears a peculiar relation to national prosperity, and its management for continuity offers various unique and peculiar aspects, which call for special active interest by the community at large and by its representative, the state.

Briefly summarizing the arguments for such special interest and exercise of governmental activity, we recall that the forest is a natural resource which answers simultaneously three purposes of civilized society; it furnishes directly materials used in very large quantities and almost as needful as food; it forms a soil cover which influences, directly and indirectly, under its own cover and at a distance, conditions of waterflow, of soil, and of local climate; it has, in addition, an aesthetic value, furnishing pleasure and recreation and benefitting health.

The exploitation of this resource for private gain is apt to lead to its deterioration or eventual destruction, especially in a country where population is relatively small and unevenly distributed, when only the best kinds and the best cuts can be profitably marketed. Hence, since profit is the object of private enterprise, exploitation under such conditions must be by necessity wasteful. By the removal of the useful kinds and of the desirable individuals, leaving the ground to be occupied by tree weeds and runts, the reproduction of the desirable and useful is prevented, and since the forest, by changing its composition and quality is deteriorated in value, the future is injured as far as material interests are concerned.

Since, with the removal of marketable timber, the interest of the individual in the forest is gone, it is naturally neglected, and conflagrations which follow the wasteful exploitation, with the accumulated debris left in the woods, kill or damage, not only the remaining old timber, but more especially all the young growth. Even the soil itself, often formed only by the mould from the decay of leaves and litter accumulated through centuries, is destroyed, and thus, not only the practicability, but the possibility, of restoration is frustrated.

In many localities the consequences of such destruction are felt in deterioration of climatic conditions, and in uneven waterflow, floods and droughts being exaggerated; in this way damage is inflicted on portions of the community far removed from its cause and unable to protect them-

selves. The private individual can hardly be expected to appreciate these distant interests of his own motion in the management of his forest property; hence the state must guard them.

The desire to get the largest present profit from his labor, which is the only incentive of private enterprise, will be also a constant incentive to curtail the wood capital necessary for a sustained yield management, and to let the future take care of itself.

The interest in the future lies with the state; the state must interfere, wherever the interests of the future clearly demand it.

The state is to protect the broad interests of the many in the community, against the inconsiderate use of property by the few; and special stress is to be laid upon the necessity of including the interests of the future community in this consideration, calling for the exercise of *providential* functions on the part of the state.

There is, however, one great generic difference between the forestry business and all other productive industries, which places it after all on a different footing as far as state interest is concerned; it is the time element, which we have again and again accentuated, and which brings with it consequences not experienced in any other business.

The result of private activity which is supposed to come from self-interest is closely connected with the working of the well-known economic law of supply and demand which regulates the efforts of the producer. This law and the self-interest can be trusted to bring about in most cases a proper balance rapidly, but in the forest business this balance works sluggishly; before a shortage in supplies is discovered and appreciated, stimulating to productive effort, years will have elapsed, years which are needed to prepare for a supply to become available in a distant future. How difficult it is to get conditions of forest supplies recognized and appreciated, we in the United States have experienced in regard to our White Pine supply.

We must, then, admit that, even with regard to supply forests, the position of the state may be properly a different one from that which it would be proper and expedient to take toward other industrial activities.

When, in addition to the more material function, the immaterial benefits of a forest cover enter into the question or become paramount, there can be no doubt that both principle and expediency call for timely exercise of state activity. The so-called protection forests, therefore, which by virtue of their location on steep mountain slopes or on sand dunes, or wherever their influence on soil conditions, waterflow, and climatic factors can be shown to be superior to their natural value, must claim a more intimate and direct attention by the state.

There are *three different ways* in which the state can assert its authority and carry out its obligations in protecting the interests of the community at large and of the future against the ill-advised use of property by private owners: namely, by persuasive, ameliorative, or promotive measures,

exercising mainly its (1) *educational functions*; by restrictive measures or indirect control, exercising (2) *police functions*; and by direct control, i.e., (3) *ownership and management* by its own agents.

First, we have to discuss educational measures, taxation and tariff duties, bounties, and other aids in promotion of private industry.

The educational function of the state is now recognized as one of the most prominent and beneficial in all civilized nations, although the degree and generality of its application still vary.

We believe that finally, in each country, it will be considered a part of proper forest policy for some public institution of learning to furnish *instruction in forestry*.

The only danger is that multiplication in number rather than increase in efficiency of a few such institutions will be the rule of the day, when the fever sets in.

In the European forestry literature a lively discussion has continued for years as to whether the higher education in forestry should be given at separate special academies or forestry schools, or whether these should be connected with universities. There are advantages and disadvantages in either arrangement; but the better facilities which can be had at a university, with its concentrated intellectual and laboratory apparatus, give the preference to the latter.

Besides the establishment of schools, there are other means open for the state to exercise its educational functions. The endowment of *scholarships*, especially travelling scholarships, has been of greatest value in increasing capacity and intelligence for promoting communal interests.

Next, no more efficient means of education in practical arts which, like forestry and agriculture, rely still largely on empirics, can be devised than the establishment of *experiment stations*.

If, as has been practically conceded, experimentation in agricultural lines is best done by state institutions, this is still more true in forestry lines, on account of the time element involved in most forestry experiments. In agriculture the answer to an enquiry may be often secured in inexpensive ways, and may be given in one season; while in forestry, years of patient waiting and observation, wholesale methods of measurements, large areas, and a large number of cases, are required to permit generalization.

The advantage of connecting such experiment stations with institutions of learning needs hardly an argument; the mutual increase of educational facilities and opportunities is patent. These educational means can, of course, be extended by proper methods of publication of results, by organization of meetings for their discussion, by so-called university extension, and, finally, by the *promotion of associations* which have for their object the increase of application of knowledge in the actual forestry practice. Such associations give opportunity of impressing and driving home



---

what is desirable in practice, and also, of finding out what are the needs of the private owner, and what the state should do to further his interests.

A more direct and far-reaching influence upon private activity, still of an educational character, is properly exercised by the state in securing and publishing *statistical information*.

In the well ordered state the soils most fit for agriculture should be devoted to systematic food production, but just so should the non-agricultural soils, the *absolute* forest soils, be devoted to the systematic production of wood-crops; moreover, as we have seen, the forest in certain situations, exercises a potent influence on cultural conditions. Hence the knowledge of the extent of forest area of a country is by itself meaningless; the character of the soil the forest occupies, its topographical location, and its relation to the hydrography of the country, must be known to permit an estimate of cultural conditions, to prognosticate likely change in area and the desirability of interference in its use.

To get an idea of the amount and value, present and prospective, of the existing resource, there must be known the composition, i.e., relative occurrence of merchantable kinds and conditions as to density, age, and character of growth, damage by fire, etc., and, most difficult of all to ascertain, conditions and stages of development of the young crop.

In addition to these educational methods which incite private activity in the right direction by indirect means, namely, by increase of knowledge, there are more direct ameliorative or promotive measures to be found in bounties which are given to aid private endeavor in the pursuit of private industry.

These may take the form of assisting by money gifts, by furnishing plant material, by giving land as in our timber claim planting, by making working plans or otherwise specifically assisting in private forest management beyond the gift of general information, and finally by tax release and tariff duties.

Within the last few years the Federal Government of the United States has inaugurated through the Forestry Bureau of the Department of Agriculture another method of encouragement which is also practised in the old countries, namely, to give to private owners specific advice as to the management of forest properties, the government bearing the larger share of the expense of securing the data for these so-called working plans. But for the educational feature involved, this would be a violation of our principle that the state should not do for the private citizen what he could do for himself. If, however, the benefit to be expected for the community at large is thereby secured, expediency would lend countenance to such a method. The probability, however, is that in the absence of an obligation to follow the working plan, and in the absence of technical supervision in its execution, the results will be hardly commensurate.

The one promotive action of the state, which is pre-eminently required to establish a proper forest policy, the propriety of which cannot be questioned for a moment, and which arises from the primary function of the state, its police function, is to afford *protection to forest property*, at least equal to that afforded to any other property and adequate to the peculiarities and needs of such forest property.

Such protection is the unquestioned right of the forest owner, and without it he cannot be expected to maintain a "sustained yield" management which requires maintenance of a large wood capital subject to depletions and to destruction by fires unless properly guarded.

It is not sufficient for the state to legislate, but, at least wherever broad communal interests are at stake, it must provide the machinery to carry out this legislation.

The principles most needful to keep in view when formulating legislation for protection against forest fires are:

(1). A well-organized machinery for the enforcement of the laws must be provided, in which the state must be prominently represented, since the damage done by forest fires extends in many cases far beyond immediate private or personal loss.

(2). Responsibility for the execution of the law must be clearly defined, and must ultimately rest upon one person, an officer of the state; but every facility for ready prosecution of offenders must be at command of the responsible officer.

(3). None but paid officials can be expected to do efficient service, and financial responsibility in all directions must be recognized as alone productive of care in the performance of duties, as well as in obedience to regulations.

(4). Recognition of common interest in the protection of this kind of property can come only by a reasonable distribution of financial liability for loss between the state and local community and the owners themselves.

Generally speaking, restrictions and supervision of private forest industry have proved themselves mostly undesirable and impracticable; their only justification would appear when protection of neighboring properties or of general communal interests demonstrably require them.

The recognition of the fact that the removal of the protecting forest cover may give rise to shifting sand and sand dunes, which may encroach and despoil larger areas beyond, is sufficient call for the exercise of the police functions of the state to prevent such damage, if we admit the providential character of such functions.

The experience that the deforestation or even bad management of the forest cover, forest devastation, on mountain tops and hills, leads to excessive water stages, to destructive floods, filling channels, thereby impeding navigation and silting agricultural soils, damaging neighboring or distant interests, again makes the exercise of the police function of the state, in a

wider sense in which I have defined it, necessary in order to prevent the consequences of mismanagement of the protective forest cover in such particular situations.

The sugar planter in Louisiana, whose crop is endangered or destroyed by overflows due to causes a thousand miles away, has a right to protection through the government.



Finally, however, it will be found that control and supervision of private property is an unsatisfactory, expensive, and only partially effective method of securing conservative forest management, where the necessity of maintaining a forest growth may exist and the financial margin that can be had from it is but small. Experience in the old countries has shown that, in spite of the much more perfect machinery for enforcing laws, and in spite of the much more ready disposition to submit to laws, than we are accustomed to see in this country, the attempts to control private property have been largely without the desired result.

It then becomes preferable for the community to own and manage such forest areas.

Such ownership may rest either in the state or else in the country, the town, or other political subdivision which seems most nearly interested in the maintenance of the protective cover. To obtain possession, if it cannot be had by purchase, the necessity of exercising eminent domain is now recognized in most civilized states where public objects, public safety, or public utility require it; usually, however, the objects for which this power may be called into requisition are definitely stated by law.

Finally, when the ideal, the socialistic, co-operative, most highly organized state will have developed, the policy will be that the community shall own or control and devote to forest crops all the poorest soils and sites, leaving only the agricultural soils and pastures to private enterprise.

# LECTURE X.

## THE FORESTER, AN ENGINEER.

The object of this lecture is to show the variety of directions in which the forest engineer must expend his energies. The harvesting and marketing of the wood crop requires the services of men with engineering education and ability, and they are best educated where practical sciences and engineering are taught.

There is hardly any business concerned in the manufacture or production of materials which does not require some knowledge on the part of the producer as to how to adapt means to ends, how to use mechanical and physical properties of matter in construction and locomotion; and in applying this he fulfills the definition of an engineer. The forester's business is one in which the need of engineering judgment and knowledge appears in various directions so prominently that he can without impropriety be called a specialized engineer, and in fact the title of "Forest Engineer" is given to the graduates of forestry schools in several countries.

The one thing in which the forestry business differs from all other business is the long-time element, for it takes a hundred years and more to grow trees fit for the use of the engineer, the builder and the architect; hence the dollar spent now in its first start must come back *with compound interest* a hundred years hence. This long-time element entails careful planning, entails economy and prevision. Hence, all the forester does must be done with permanency in view. And here again the lumberman and forester differ in objects, and therefore in methods; the one treats his property as a speculation, a *temporary* occupancy; the other treats it as an investment; *permanent* management, continuity of occupancy, is the basis of his actions.

The first step in taking hold of a forest property is, therefore, a survey of the same, not only of its boundaries, but of its topography and character, as well as of its contents. Surveying, both line and topographical surveying, are requisites of a competent forester. While such a first survey might be made by regular surveyors, as the work of the forest manager progresses and needs recording on the maps, it will be found useful if he can do his own surveying, and thereby become competent also to interpret readily topographic maps. Such surveys, being not for general map purposes but with engineering work in view, must be made with more care and on a larger scale than is usual with such field maps as, for instance, those of a Geological Survey.



Subdivision is necessary for more easy systematic procedure. Fire-lanes, or cleared strips for protection against fire, must be kept clean.

The next direction in which engineering knowledge is required is in the locating and laying out and constructing of roads and other permanent means of transportation, for to be accessible in all its parts is finally of greatest importance in managing a property for permanency. In our undeveloped conditions, especially in the absence of local markets, we may still be satisfied with a minimum of permanent road system, substituting temporary roads and means of transportation, and leaving to future generations their further development; but the plans should be made for permanency from the start, even if their execution is delayed. Cheap but efficient road building and railroad building, I am afraid, is a matter with which even few engineers are well acquainted; it is a subject in which the



By permission, Society of Western Engineers.

forester is intensely interested. Building of bridges in a cheap and effective way is part of the forest engineer's work. These means of transportation are, of course, needed to remove the harvest, and to handle this bulky material cheaply requires no mean engineering skill.

The first task of the forester, then, in beginning the management of a forest property is to provide cheap and efficient means of transportation for the removal of a bulky crop, of which much is inferior, and if possible to so arrange this harvest that it may be made gradually and continually, logging over the same area for a number of years.

Here, in the harvest, logger and forester have similar, yet not identical interests, for the logger lacks the requirement of logging over the same area gradually and continually, of having to remove cordwood, weeds and



LUMBERING RAILWAY.



BURNT PINES, CARSON LAKE, C. A. R., RENFREW CO.

Photo by Houghton W. Wilson.

debris, of caring for the young aftergrowth. Nevertheless, the forester must naturally do much the same as the lumberman, and utilize the engineering skill which has been developed in the logging business.

According to the size and location of his property and the working capital at his disposal, he will resort to old fashioned methods of logging—skidding the logs by horses or mules to skidways, and hauling them on wagons or with sleds on ice roads to the landings; or using lumber slides and water flumes to bring the material either to rivers, which he may have to dam and regulate in their course in order to float and drive the softwoods, or to rail if hardwoods; or else he may benefit from the development of steam logging devices in connection with steam railroads.



DAM AND TIMBER SLIDE, MCGILLIVRAY LAKE, COULONGE, QUE.

Photo by Houghton W. Willson.

Whether the transportation is by rail or water, or by sled or wagon, the locating of the roads is one of the most important functions of the logger. Be it that temporary winter roads or permanent summer roads are to be used, a well planned system of main roads and branches must be located. So important, for financial reasons, is the question of road location considered in German forests, that a permanent road system forms most important initial investment—on our undeveloped lands the only plan is temporary roads.



In logging operations, as now conducted, engineering structures and operations are constantly employed.

Even the *felling* of such trees as the great western pines is a piece of engineering requiring the greatest skill and judgment. The long shaft must fall so as to clear the surrounding trees, and not destroy its own value and that of others by crushing or lodging. Skidding is now in some forests done by an engine and wire rope. First successfully applied in the cypress swamps of the South, then on the mountains of the Pacific Coast with the ponderous pines and firs, these steam skidding methods promise to supersede the old-fashioned horse and mule wherever large enough masses, especially of hardwoods, are to be lumbered, and where railroads can be profitably employed to bring the log harvest from the forest to the mill.



TIMBER SLIDE, HIGH FALLS, MADAWASKA.

Photo by Houghton W. Wilson.

The present *steam-skidding* system, first suggested by Mr. J. H. Dickinson, relies upon a stationary hoisting engine, and brings the logs from shorter or longer distances to the cars by wire ropes running over drums, the ropes being disposed in various ways according to the lay of the ground. One of the essential devices is the cast steel nose or cone (Baptist patent), which caps the log automatically when the rope is pulled taut, and steers the log over any stumps, stones, or other impediments.





FALLS AND SLUICEWAY, WHITEFISH RIVER, ALGOMA.

Photo by J. W. Wells.



CATARACT AND TIMBER SLIDE, WHITEFISH RIVER, ALGOMA.

Photo by J. W. Wells.

There are now four different methods of steam skidding used. The simplest, applicable to flat lands, consists in snaking the logs over the ground and assembling them at the cars by means of a hoisting engine and drum, a horse returning the rope with a grappling hook or tongs at the end; the loading is done by a separate rope and drum.

The distance to which this skidding may be done is, of course, dependent upon the length of rope which it is practicable to wind on the drum or drums and to have the horse return. Usually this is not more than 800 to 1,500 feet, when the machine may make from 150 to 250 pulls per day, the cost on the average with a crew of eleven men and three mules being about



By permission, Society of Western Engineers.

\$24 per day, and the output, of course, dependent on the character of the timber and the log size, which determines the number of feet coming with each pull.

Where the ground is less flat and simple in contour, and where it is preferable to return the rope and grapple automatically, the "slack rope system" may be employed. In this system a wire cable is strung from a head tree near the engine to a stump in the woods, on which travels a carriage (Miller patent), with a specially designed block (Butler's patent) through which the skidding rope with logging tongs works, so as to allow sidewise extension; an outhaul rope, running over a separate drum of the hoisting engine, returns carriage and tongs to the woods, where the tong men pull the rope slack and attach the tongs to the logs lying along the line shorter or longer distances.

---

---

The loading on cars is done by a separate set of drums and rigging. To use this system, which may extend to a longer distance than the snaking system satisfactorily, the ground must be tolerably free from rocks and obstructions. According to conditions and distances, from 80 to 120 pulls may be made in a day. A later improvement provides for a number of side lines working simultaneously, by which the efficiency is greatly increased; otherwise horses or mules gather the logs to the pulling line.

In the cypress swamps, where this method is largely used, the machine is placed on a large scow, moving in canals prepared to float the logs. Here the distance to which the skidder works is 2,500 to 4,000 feet, the ponderous logs moving at the rate of 500 to 600 feet a minute, breaking through the timber with thundering noise. Such a pull boat is capable of landing 30,000 to 50,000 feet per day in the water.

In more mountainous districts, where narrow valleys and coves with steep slopes are to be lumbered, the log-gathering system finds its conditions. In this a cable is stretched from slope to slope across the railroad track in the valley, and the logs are gathered to the track by the skidding rope and carriage. The distance to which the system may work, depending somewhat on the degree of slope, may be up to 1,000 feet, when from 120 to 150 pulls per day may be made.

In these last two systems up-hill skidding is, to be sure, as easy, or even easier, than down-hill. According to conditions, either of these systems, or any combination of them, or a combination of skidding by horse and steam, or a relay system with several engines placed one after the other reaching out long distances, will give the best results.

The first steam logging railroad was built in Michigan in 1876 by W. S. Gerrish, who was called a hare-brained enthusiast for his innovation, which, however, proved successful. Ten years later many such logging roads of 25 and even 45 miles in length; and altogether over 3,000 miles were in existence; in Michigan alone over 720 miles. Now the logging railroad has become so general that the mileage may be estimated to exceed 25,000 miles.

There are still three different kinds of logging railroads in use: The pole road, the tramway with sawed wood rails with or without strap iron capping or flat bar iron rail, and the iron or steel T railroad. Each road has its merits and advantages of its own in given situations, although the regular steel T railroad, all things considered, seems to have found most favor.

In the Cornell College forest a standard gauge with 40-pound steel rail has been used on spurs, and a 46-pound rail on the main road, with a 27-ton engine.

The economical construction of logging roads which are designed to serve only a temporary requirement is one of the engineering problems which more and more interests lumbermen, and even to a greater extent



foresters, who are forced to secure even greater economy, since the margins from their business are for a time at least necessarily smaller. In such roads cuts and fills must be avoided as much as possible, while heavy grades, numerous and sharp curves are necessarily to be extensively used, and it takes a careful weighing of saving in cost of first construction against losses in maintenance and efficiency, such as no engineer is called upon to make in constructing standard roads. It stands to reason that to secure the least expensive logging roads, the main effort must be made in the location of the road, for this influences not only the cost of constructing but of operating it. No rules but engineering gumption must determine. Where wood is cheap and right at hand, it is often indicated to use imperfect and unmarketable logs instead of earthwork, or matting of brushwood and cribbing for crossing swamps, and similar devices which do not commend themselves for main lines.



By permission, Western Society of Engineers.

In Europe portable tramways and *wire rope* ways are much employed—the longest, five miles, being in the Alps. Portable railways are sometimes employed in connection with more permanent roads, 2 rails attached to steel ties; each yoke, 10-15 feet long, with 10-24 lb. rail, weighing 75-100 pounds, hook into each other. The newest type has been invented by a forester, and is laid without rails. The log-slide, with or without water, is a device well-known in mountainous or broken regions where water is available. One such in the Sierra Nevada is an incline 4,000 feet long and with a 1,400 feet elevation. It delivers 10,000 cords a day.

Altogether *landing places* and terminals must be located with circumspection, to take care of the bulky material and secure the cheapest handling



---

of it, which, with cordwood even more than with logs, depends upon the character of the landings.

There are now very generally employed steam loaders; hoisting engines with outhaul ropes running over drums, which pick up the logs alongside the track. Various devices are resorted to to facilitate the passing of cars and to locate the loader with reference to cars and landing places.

In the "Barnhart" and in the "American" Loader this is accomplished by having rails laid on the cars on which the loader travels, pulling itself along as needed, the latter on two short portable sections of track, the former on permanent track. Such a loader of the Barnhart type as used in the College forest, will pick up and load from 600 to 800 logs per day, the logs being banked to within 100 feet or so from the track. It is able to move on a pivot in all directions, and the character of the landing place is of little importance.

In the "Decker" log loader the clearing of the track for bringing empties to the loader is accomplished by allowing them to pass underneath the loader over a three-rail section of track, which rises from the main track and is carried by the loader on its lower story.

In forestry work, where the care for the young aftergrowth must be taken into consideration, modification of the methods of procedure will be required. They are, however, directly applicable where clearing with artificial planting is practiced, or where the strip system is used, which consists in clearing strips and securing the reproduction by seeds from the neighboring old timber which is left standing. When the forester shall be a fully recognized and established institution in Canada we may expect that he will develop these methods of exploitation to suit the additional requirements of silviculture.

In mechanical engineering, also, there is still a wide field unoccupied, the development of which would aid the business of the forester. We are still relying on brute force for felling trees, sawing them into logs and cutting and splitting cordwood. Attempts to apply steam or electric power in tree felling have so far failed to bring out any practical method. There are now on trial cordwood cutting machines, but they are so far only applicable for very special conditions which can be rarely met.

In entirely different direction is engineering skill demanded, and a special line of *forest engineering* has developed in connection with the reclamation and reforestation of sand dunes and denuded mountain sides. This has been especially developed by the French foresters, the French government having spent many million dollars in covering the lands and sand dunes of Gascony, and in safe-guarding Southern mountain ranges against torrential action induced by deforestation. This forest engineering is now practiced in all countries where forestry is developed and the necessity for this work has been recognized.

The fixation of sand dunes has also been begun in the United States by the Harbor Commissioners of Massachusetts at Cape Cod and elsewhere. It is a simple operation, which consists in first quieting the sand by mechanical means, fences and brush, or turf cover, and by cutting off or breaking the force of the wind by means of an artificially induced forward dune. Then grasses and other deep-rooting and root-creeping plants are used to bind the sand together, and finally tree growth can be established to give permanent protection.

On the denuded mountain slopes it is also first the mechanical quieting of water and soil movement which must precede the work of the forester. This work must begin at the top of the mountains, where the waters gather their momentum into torrents which carry soil and debris to lower levels. By fascine works, revetments and retaining walls the waters are obstructed



By permission, Western Society of Engineers.

in their direct descent, and the violent rush over steep slopes is changed into gentle falls, when the pockets behind the breastworks are filled up with the debris and soil. Then when the waters are directed into proper channels and the soil has thus become quieted, sodding and sowing with grass restores the meadow on the gentler slopes, while on the steeper slopes a forest growth is planted and the equilibrium of nature's forces, which man had disturbed to his own detriment by the reckless devastation of the mountain forests, will be gradually re-established.

These glimpses into the problems of an engineering character which are presented to the forester will suffice to justify the claim that he is in need of a considerable amount of engineering knowledge and gumption, which is to be applied under conditions in which it is not usually practicable to employ an engineer.

While for main constructions it may be advisable to call in an engineer, at least in consultation, in smaller constructions and in operating roads, railroads, etc., the forester can hardly afford not to be his own engineer. He must have the knowledge which will make him independent of the professional engineer. Students of forestry, therefore, need a course in engineering which will make them acquainted with principles and methods of construction of special interest to them in their business. On the other hand engineers may find a field in solving engineering problems for the forester, and in improving his methods, without becoming professional foresters.



LOGGING.









Annual Report  
OF THE  
Bureau of Forestry  
FOR THE  
Province of Ontario  
1904

PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO



TORONTO:  
Printed and Published by L. K. CAMERON, Printer to the King's Most Excellent Majesty  
1904



WARWICK BRO'S & RUTTER, Limited, Printers,  
Toronto.



## CONTENTS

	Page.
Letter of Transmittal to the Lieutenant-Governor .....	1
Letter of Transmittal to the Commissioner .....	2
Progress of Forestry in Ontario .....	7-17
General Progress, 7; Forest Reserves, 8; Western Temagami Reserve, 8; Mississauga Reserve, 12.	
Report of the Provincial Forester .....	17-18
What is Forestry .....	18-20
Ontario's Forest Reserves .....	20-27
The Lumberman and the Farmer, 21; Reforestation, 22; Tree Planting Un- necessary, 22; Present Reserves, 23; Permanent Forest Area, 24; Man- agement of Forest Reserves, 26.	
Practical Forestry .....	27-34
Propagation of Trees by Farmers .....	34-50
Farm Nursery Practice, 34-42; Trees Having Special Value for Woodlot Work in Ontario, 42-50.	
The Farmer's Woodlot .....	51-58
Words of Encouragement for Present and Prospective Woodlot Owners, 51-52; Some Common Woodlot Defects and What May be Done by way of Remedy, 52-55; The Grazing of Woodlots, 54-55; Tree Planting on the Farm, 55-58.	
Woodlot Illustrations .....	59-67



*To the Honourable* WILLIAM MORTIMER CLARK, K.C.,

*Lieutenant-Governor of the Province of Ontario.*

MAY IT PLEASE YOUR HONOUR :

I herewith beg to present for your consideration the Report of the Bureau of Forestry for the year 1904.

Respectfully submitted,

J. J. FOY,

*Commissioner of Crown Lands.*

HON. J. J. FOY,

*Commissioner of Crown Lands.*

SIR,—I have the honor to transmit the Report of the Bureau of Forestry for 1904.

I have the honor to be,

Sir,

Your Obedient Servant,

THOMAS SOUTHWORTH,

Director of Forestry.

May 16th, 1905.



## FORESTRY PROGRESS IN ONTARIO.

---

The progress of systematic forestry in the Province of Ontario continues at a satisfactory rate both in the better appreciation of its importance on the part of the public and in the matter of legislative action.

An appreciation of the need of expert knowledge in this line has been shown by the appointment of a Provincial Forester to the staff of the Bureau of Forestry, in the person of Judson F. Clark, Ph. D., (Cornell). Dr. Clark, although in the service of the United States Bureau of Forestry at the time of his appointment, is a Canadian and a graduate of the Ontario Agricultural College. His professional training was obtained at Cornell University and in Germany. On his return from Europe he was appointed Professor of Forestry at Cornell University with special charge of the courses in timber physics and forest measurements. After two years of teaching he left Cornell to enter the service of the United States Bureau of Forestry where he had the advantage of much practical forest work.

A further advance has been made in the adoption by the Department of Agriculture of the policy of growing suitable planting stock for the improvement and extension of farm woodlands and the providing of expert advice for the assistance of such farmers as might wish to co-operate with the Department along these lines. This action is the outcome of a discussion on the subject of farm forestry at the annual meeting of the Experimental Union held in Guelph in the winter of 1902, and will no doubt be of great advantage to the farming interests of the Province. During the past season the Department of Agriculture secured the services of Mr. E. J. Zavitz, a graduate of McMaster University, who is now completing his final year of professional forestry studies at the University of Michigan, who established a large forestry nursery at the Ontario Agricultural College to grow the planting stock required in the pursuance of this policy of assistance to farmers desirous of improving their woodlands.

Among other subjects discussed at the same meeting was that of some change in the Assessment Law providing for a reduction in the taxation on woodland areas which were devoted exclusively to wood production, and which come up to a desirable standard of production. No legislative action has yet been taken in this matter.

The fire ranging system in operation on the public forest lands under license continues to be an increasingly useful institution in the protection of the standing timber in which both the lumbermen and the Province have a direct and very large financial interest. The number of rangers applied for by the lumbermen has been greater than ever before, which indicates an appreciation of the value of the service to the lumbering interests, and a desire on their part to increase its efficiency.

During the past season the Department organized a fire protection service for the protection of the lands along the line of the Temiskaming and Northern Ontario Railway, the building of which through a practically unbroken forest presented unusual dangers. The expense of this service, which proved to be most efficient, was borne jointly by the Department and the Railway Commission. A feature of this service was the use of railway velocipedes by the rangers, which enabled them during dry seasons to follow up the trains and extinguish at once any incipient fires.

## FOREST RESERVES.

Since the last report of the Bureau two extensive additions have been made to the permanent Forest Reserves, amounting in all to 6,700 square miles, or 4,288,000 acres, and known respectively as the Western Temagami Reserve, and the Mississaga Reserve.

## WESTERN TEMAGAMI.

On December 2nd, 1903, the Director of Forestry addressed the following memorandum to the Assistant Commissioner:

TORONTO, Dec. 2nd, 1903.

## MEMORANDUM FOR ASSISTANT COMMISSIONER.

*Re Forest Reserves.*

SIR,—I am directed by the Hon. the Commissioner to submit to you recommendations as to additions that may profitably be made to the present system of Permanent Crown Forest Reserves.

I understand the objects of the Act to Establish Forest Reserves to be, in the first place, the setting aside and withdrawing from agricultural settlement such areas of land as are found to be unsuited for general agricultural purposes, and in the second place, to provide for the care and protection of the lands so set aside, with a view to the perpetual use of these Reserves for the furnishing of timber supplies, and public revenue.

There is in the Province a good deal of land coming under the above description, that is not available at present for Forest Reserves, owing to the fact that it is under lease or license to lumbermen, and it would not, in my opinion, be expedient or wise to place this under the operation of the Act until the termination of the leasehold now held by the lumbermen in question.

I take it also that in the establishment of further Reserves, it would be well to include only such land as it may be possible or expedient to properly protect from fire, poaching, etc. The setting aside of land in Reserves implies the intention of the Government to place it under proper supervision with a view to its being protected from fire, and also to supply the means of a proper estimate of the timber growing upon it.

In the case of lands that are non-agricultural, but that in consequence of forest fires, have been burnt over in comparatively recent times, and that are remote from settlement or tourists, and therefore not in danger of any material loss by fire for some length of time, I do not think it would be advisable to include these lands in the Reserves at the present time, as the cost of patrolling and protecting them would, I think, scarcely be justified.

The Temagami Reserve, which comprises a territory of 2,250 square miles, as you are aware, has been under the supervision of a staff of rangers for the past three seasons, and no material damage from fires has taken place. Numerous incipient fires have been discovered and extinguished by the rangers, and had they not been present, very serious loss in timber would have resulted. On two occasions the loss would have occurred from a fire started by lightning; in one other case the fire started from an unextinguished camp fire of some tourists from Pittsburg, Pa.

As I have pointed out to you on previous occasions, the Temagami Reserve is so situated as to be fairly well protected at comparatively small

expense. The principal danger from fire in this Reserve occurs from the presence of numerous tourists during the summer season, and from mining prospectors. Under the present regulations, the latter class are required to take out a license before being allowed to prospect, and we are therefore able to control them. In the case of tourists, they are only able to reach the Reserve mainly through four different channels, and by patrolling these entrances to the Reserve, a comparatively small staff of rangers have been able to keep close watch of all parties coming in.

During the past summer a large number of tourists have gone up the Montreal River beyond Matachewan, to Smooth Water Lake and other territory west of the Temagami Reserve. This is an excellent sporting country, and is becoming more and more popular with tourists each season. Whether they go because of the excellent fishing and small game shooting, or to get beyond the territory patrolled by the rangers in order to indulge in the shooting of big game out of season, is a question. At any rate I am advised that there were a considerable number of tourists in this section this year beyond the reach of the staff of rangers in the Temagami Reserve. During the past season this territory was visited by several parties of mining prospectors, further increasing the danger from fire.

As this country lying immediately west and northwest of the present Reserve is of the same character as the land included in the Reserve, and contains large quantities of valuable timber, I would suggest that the Temagami Reserve be extended as follows:

Commencing at the southwest angle of the Temagami Forest Reserve at the northwest angle of the Township of Mackelcan; thence westerly along the north boundary of the Townships of Alymer and Parkin to the northwest angle of the latter; thence north along the east boundary of the Township of Creelman to the northeast angle thereof; thence westerly along the north boundary of said Township of Creelman and the north boundary of the Township of Roberts, and along O. L. S. Proudfoot's Base Line to the 12th mile post thereon; thence northerly to Long Lake on the head waters of the Wahnapiatae River; thence northerly along the east shore of Long Lake, and down the Wahnapiatae River to Oshawong Lake; thence northerly by the canoe route through Shoo Fly Lake, Meteor Lake, to Opickinimika Lake near the head waters of the Mattagami River; thence down said lake and river and its lake expansions to O. L. S. Niven's Base Line in latitude north 48 degrees, 27 minutes, 54 seconds; thence easterly along the said Base Line to the south east angle of the Township of Tisdale; thence due south along the west boundary of the Township of Dance to the southwest angle thereof; thence due east along the southerly boundary of said township to the northwest angle of the Township of Langmuir; thence due south along the west boundary of the said township to the southwest angle thereof; thence due east along the south boundary of the Townships of Langmuir, Blackstock and Timmins to the chain of lakes running north from the Great Northern Bend on the Montreal River; thence southerly along the said chain of lakes to the Montreal River, and along the east bank of the Montreal River to the north boundary of the Temagami Forest Reserve; thence west astronomically along the said north boundary to the northwest angle thereof; thence south astronomically along the west boundary of said Reserve to the place of beginning; containing an area of about 3,700 square miles.

This proposed addition to the Reserve included the parts of the Townships of Auld, Barber and James lying south of the Montreal River. These townships have only recently been surveyed, no land in them has been sold,



and I am of opinion that the lands in these townships south of the river, should not be opened for settlement, but should be included in the Reserve.

This would make an extensive addition to the Temagami Reserve, in area considerably larger than the original Reserve, and could be administered from the present headquarters of the Temagami Reserve. It would require some additional shelter houses, probably, and a further addition to the staff of rangers, but the one chief ranger could look after the whole Reserve.

Immediately west of the western boundary of this proposed addition to the Temagami Reserve, there are some lands under license on Onaping Lake and around Biscotasing, and in addition there is a very large extent of country that is not now visited by tourists, and is quite uninhabited, except by Indians, which it would possibly not be necessary to protect at the present time, and need not now be included in this Reserve.

Accompanying this find map showing the outlines of the proposed addition to the Reserve.

Respectfully yours,

THOMAS SOUTHWORTH,

Director of Forestry.

This was transmitted to the Commissioner with a further memorandum from the Assistant Commissioner as follows:

(Copy.)

MEMORANDUM FOR THE HONORABLE THE COMMISSIONER OF CROWN LANDS.

The undersigned has the honor to state that he has read the annexed memorandum of Mr. Southworth, Director of Forestry, in which he recommends that certain territory be added to the Temagami Forest Reserve. The territory which it is proposed to add lies to the north and west of the present Reserve and covers an area of 3,700 square miles.

The undersigned has always been of opinion that it is most desirable in the public interest that areas which are unfitted for settlement should be set apart as Forest Reserves, with a view to the preservation of the timber that is growing upon them and that fire might be kept out and the timber preserved and conserved.

The territory which it is proposed to add contains a large quantity of good pine timber. The undersigned, therefore, strongly recommends that the territory, as outlined in red on the annexed map, to which is attached Mr. Southworth's recommendation, shall be added to the present Forest Reserve.

Parts of the townships of Barber, James and Auld lie southwest of the Montreal River, but in the opinion of the undersigned it is not desirable that settlement should be allowed to cross the Montreal river. It is important to have a well defined boundary of all Forest Reserves, and there can be no better boundary of a Timber Reserve than a stream or lake. If people were allowed to settle in the parts of the townships of James, Barber and Auld lying south and west of the river, they would endanger the safety of the Reserve, and there would be a disposition to wander a-field and endeavor to squat outside the townships.

With respect to the large quantity of pine timber which is on this proposed addition, some of it is young and growing while some of it has



attained its full growth, and the question will soon have to be considered of what disposition shall be made of it and under what regulations or system.

The undersigned assumes that the system of guardianship which is in existence for the present Reserve will be extended to the added territory; that the present staff of Rangers will be increased and that in every way the close supervision which has been had over the present Forest Reserve will be extended to the additional territory.

The area included in the present Reserve is 2,200 square miles and it is proposed to add to it 3,700 square miles which will make a Reserve covering a total area of 5,900 square miles.

The undersigned points out that the pulpwood within the limits of the proposed area to be added to the Forest Reserve is by agreements with the Sturgeon Falls Pulp Company, the Spanish River Pulp Company and the Montreal Pulp Company, subject to being cut for the supplies of their pulp and paper mills. The Sturgeon Falls Pulp Company have the right to cut the pulpwood for five miles on either side of the Sturgeon river which has its source in the south-eastern part of the proposed Reserve. Their area covers an area of about 350 square miles. The Spanish River Pulp Company have rights extending for five miles on either side of the Vermillion river, a tributary of the Spanish, which has its source in the south-western portion of the proposed Reserve. Their territory covers an area of about 200 square miles. The Montreal River Pulp Company's rights extend for five miles on either side of the Montreal river which has three large branches extending through this territory having a length of not less than 175 to 200 miles. This concession covers an area of about 1,300 square miles. Therefore of the 3,700 square miles proposed to be added an estimated area of 1,850 square miles is covered by pulp concessions. In 1899 the James' Bay Railway Company, who have a charter to construct a railway from a point near Sudbury to Abitibi Lake, received a land grant of 5,000 acres per mile. If this railway is constructed it will pass through this proposed Reserve and the Company will be entitled to a land grant of 600 square miles.

No mining locations have as yet been leased or patented within the limits of the proposed Reserve, but some 37 locations in all have been surveyed, and on these less than \$2,000 has been deposited as part payment. Nearly all these applications have lapsed except one in the vicinity of Mount Sinclair where recently a small deposit of asbestos is alleged to have been discovered. Little or no prospecting has ever been done in this territory.

No pine timber has ever been cut under license in this territory.

Respectfully submitted,

AUBREY WHITE

Assistant Commissioner.

December 8, 1903.

Accordingly on December 16th, 1903, the following Order in Council was passed:

Upon consideration of the memorandum of the Assistant Commissioner of Crown Lands, and the Director of Forestry, dated respectively the 8th and 2nd December instant, and upon the recommendation of the Honourable the Commissioner, the Committee of Council advise that the additional territory contained in the description by the Director of Forestry, and which is outlined in red on the accompanying map, be added to the present

Temagami Forest Reserve, and that those parts of the Townships of James and Barber lying southwest of the Montreal River be withdrawn from sale or settlement and form part of the Temagami Forest Reserve.

Certified,

J. LONSDALE CAPREOL,

Assistant Clerk, Executive Council.

This makes what might be called the Temagami Reserve comprise a total territory of 5,900 square miles.

In administering it, it was found desirable to make two separate staffs of rangers with headquarters at Bear Island and also at Fort Mattagami and to designate the Reserve as the Eastern Temagami and the Western Temagami.

#### MISSISSAGA RESERVE.

On December 7th, 1903, the following memorandum was addressed to the Assistant Commissioner:

TORONTO, Dec. 7th, 1903.

#### MEMORANDUM FOR THE ASSISTANT COMMISSIONER.

##### *Re Forest Reserves.*

SIR,—During the past two seasons the Canadian Pacific Railway Company have been advertising to some extent what they call the "Mississaga River Route" as a popular district for canoe travellers. When it is remembered that a great deal of the publicity attaching to Lake Temagami, with the consequent invasion of tourists has been due to the advertising given it by the Canadian Pacific, it will be seen that there is a likelihood of the Mississaga country being likewise visited by a large number of tourists in the near future, thus adding to the danger of fire in that country, unless some protection is given it.

Hitherto it has been remote from settlement, little visited by tourists or prospectors, its sole visitors for the most part being a few nomadic Indians. The route advertised by the C. P. R., I believe, starts from Winneboga Station on the main line of the C. P. R., and lies south through Wakamagaming Lake, Kebsquasheshing Lake and River to Wenebagon River to the Mississaga River, and down this until it intersects the Sault Branch of the C. P. R. near Blind River. The route passes through a very large block of pine timber reported upon by Mr. Whitson of the Surveys Branch two years ago, and in some parts of this there have already been extensive fires doing considerable damage to timber. There is a very large district lying within the district of Algoma and nearly surrounded by the main line of the C. P. R., the Sault Ste. Marie Branch of the C. P. R. and the Algoma Central, much of which is practically unexplored except to a limited extent, but from such information as is available, there is no doubt the land is quite unfitted for agriculture, is well watered, contains very extensive quantities of pine and other timber, and is excellently calculated for permanent forest reserve.

Moreover, placing the territory under the operation of the Forest Reserves Act implies protection of the territory from fire so far as possible, and now that this country is being opened up to tourists, it is very desirable that it should be patrolled by rangers in order to prevent and check fires

as far as possible, and in the event of fire taking place and damaging timber to any extent, that it might be promptly reported to the Department, so that the dead timber may be disposed of before being ruined. In some parts of this country fires have taken place that were not known to the Department owing to its remoteness, until years had elapsed, when the standing dead timber was no longer of value.

The territory referred to starts from the vicinity of Berths 114 and 115 on the east, extending to O. L. S. Speight's meridian line on the west, and bounded on the north by the main line of the C. P. R.

As there is more or less timber cutting from time to time to obtain railway ties along the line of railway, I would suggest a line about ten miles from the railway line as the northern boundary of the Reserve. On the west the meridian line referred to runs through part of the land grant to the Algoma Central, so I would suggest that the western boundary be not nearer than ten miles of this line. I would therefore suggest that a territory consisting of four thousand six hundred square miles more or less in the District of Algoma, be withdrawn from settlement and created a Forest Reserve under the Forest Reserves Act, 61 Victoria, chapter 10, and amendments thereto, to be called the Mississaga Forest Reserve; the said territory to be bounded as follows:

Commencing at the northeast angle of township number 120 on north shore of Lake Huron; thence due west astronomically seventy-two miles more or less along the north boundary of townships numbers 120, 125, 132, 139, 145, 151, 157, 163, 169, 176, 182 and 188 to the southeast angle of township number 195, thence due north astronomically along the east boundary of said township six miles to the northeast angle thereof; thence due west along the north boundaries of townships numbers 195 and 201 twelve miles more or less to the east boundary of the township of Curtis; thence due north astronomically along the east boundary of said township and its production due north astronomically thirty-six miles; thence due west astronomically twelve miles more or less to O. L. S. Speight's Meridian Line run in 1898; thence due north astronomically along said Meridian Line forty-eight miles more or less to the seventy-eighth mile post thereon; thence southwesterly and parallel to the right-of-way of the Canadian Pacific Railway and always at a distance of ten miles therefrom seventy-six miles more or less to the thirty-ninth mile post on O. L. S. Niven's Meridian Line run in 1901; thence due south astronomically along said Meridian Line twenty-seven miles to the twelfth mile post thereon; thence due east astronomically thirty miles more or less to O. L. S. Salter's Third Meridian Line run in 1857; thence due south astronomically along said Meridian Line twenty-four miles more or less to the place of beginning.

Respectfully yours,

THOMAS SOUTHWORTH.

Director of Forestry.

The above memorandum was transmitted to the Commissioner with the following remarks from the Assistant Commissioner under date of January 12th, 1904:

MEMORANDUM FOR THE COMMISSIONER.

The undersigned has read the annexed memorandum of the Director of Forestry, in which he recommends the creation of a Forest Reserve in the territory tributary to the Mississaga River in the District of Algoma.



The area recommended to be set apart covers about 4,600 miles and is marked by a red border on the map which accompanies the Director's report. The Director points out:

1. That a tourist route through this region is being advertised by the Canadian Pacific Railway Company, and there is every probability that there will be in the near future considerable canoe travel and a great many camping parties passing through it as a result of which the timber growing there will be in danger of destruction by fire.

2. That this canoe route passes through a dense body of pine of large extent, which was reported on by Mr. Whitson of the Surveys Branch of this Department, who found that forest fires had already occurred there and damaged some of the timber.

3. That the region, while not well explored, is known to be rough and very broken, and to be, generally speaking, unsuited for agricultural purposes.

4. That in event of a Reserve being established there steps should be taken to protect the timber from fire and trespass by putting in an adequate and efficient staff of rangers.

The Director also gives a description of the boundaries as he thinks they should be defined.

With respect to the opinions and recommendations of the Director of Forestry the undersigned has to say, generally, that he deems it of the utmost importance that areas of Crown Lands which are unsuited for settlement and which contain large quantities of pine timber should be absolutely withdrawn from settlement and sale, and if any mining patents or leases are granted therein, such should be granted under the most stringent regulations and conditions as to working, etc., so that the forest wealth may be protected from destruction by fire. It needs no argument to prove that our pine timber is becoming extremely valuable, and that it would be an act of wisdom to protect and conserve it. Pine timber is exposed to such imminent and great danger where fire is being used in it or in its vicinity that the undersigned is firmly of opinion that all exploration and mining should be excluded from pine areas, until, at any rate, the timber has been cut away. This may seem a drastic measure, having regard to what has been a practice in the past, but when it is borne in mind that millions of dollars worth of pine may be turned into smoke by the want of precaution on the part of miners and explorers, a class who as a rule have no interest in its protection, and who are notoriously careless in their use of fire, it is the only way the timber can be guarded from menace if not destruction. The idea that because a man discovers mineral in a pine area he should, without respect to greater interests, be given a title will not stand the test of examination, and is contrary to the spirit of our regulations and practice. The mere fact that a man discovers pine timber has never been held to give him any right to obtain title to it; agricultural settlers are not allowed to take possession of or obtain title to lands on which there is any considerable quantity of pine timber; why then should mining explorers or miners be given any right to destroy or endanger public property any more than settlers or others? The minerals are the property of the Crown, and should remain so until their disposition can be made with safety to the public interest. Minerals are under ground, and are in no danger of destruction or deterioration by being kept in the ground for a period, be it long or short. It is quite useless to keep out settlers and tourists if hordes of explorers and miners are allowed to traverse the territory, using fire in the open air for cooking, clearing off the ground by burning the



surface debris, erecting villages where large development takes place, and in other ways jeopardizing the safety of the pine timber. It is the deliberate judgment of the undersigned that everybody should be excluded from large areas covered with pine, for this is the only way in which absolute safety can be attained. Just consider the locality now under view. Two years ago Mr. Whitson of the Surveys Branch was instructed to make a flying trip through this country and report on the pine known to exist there. Mr. Whitson reported that he found immense quantities of pine to be growing there, estimating the quantity roughly at about two billions of feet, all of it on territory tributary to the Mississaga River. In order to get a closer grasp of the timber the undersigned recommended that base lines should be run through it and estimates of the quantities made. Certain territory was blocked out by base lines and estimators put in, who, although they did not examine anything approaching the half of the territory, found and enabled us to locate on our maps over a billion feet of white pine. From what Mr. Whitson, our explorers and others who have traversed the locality state the undersigned will be greatly surprised if we do not find, when the territory is all estimated, a good deal more than two billions of feet, board measure, of pine. The timber is reported to be large and to contain a considerable percentage of trees suitable for waney board and square timber. Now, if there are two billions of feet there, we have in plain view an asset of the value of twenty millions of dollars. Does it not appear, under such a state of things, to be an act of wisdom to absolutely shut the door against any and all parties whose presence in the area would endanger the safety of such an enormous public property?

The undersigned, having regard to the information in his possession and the views he holds, urges the immediate creation of a Forest Reserve in this region, so that the timber may be properly protected. He further recommends that a chief ranger should be appointed with a sufficient staff under him to police the territory, and that a surveyor be sent to locate the timber and lay it down on a map, and that a staff of qualified estimators be placed under such surveyor so that the quantity of pine timber growing in the proposed Reserve may be arrived at with some degree of accuracy. The undersigned also recommends the absolute exclusion of all parties from the area set apart, and that it be absolutely and entirely withdrawn from sale, lease, or exploration.

With respect to the area of the Reserve, the undersigned has to state that a large part of the northern end of the proposed Reserve has been burnt over, and that the only purpose to be served by including it in the Reserve would be to experiment on its re-forestation. As it is desirable to allow as large a field for mining exploration as is compatible with the public interest, the undersigned begs leave to recommend that only the area which is pine-bearing should be included in the Reserve, which area will cover about 3,000 miles. If this suggestion is adopted it means that 1,600 miles will be left open for exploration, which there is no immediate reason to close up. If this idea is approved, the undersigned would recommend that the northern boundary of the proposed Reserve be the blue line which he has drawn on the map, and that Mr. Southworth's description be varied in this particular.

As to any interests other than those of the Crown which exist in the territory it may be said that there is no settlement of any account, and no squatters have gone in there. One or two discoveries of iron ore have been made, for which no title has been granted. The Manitoulin and North Shore Railway is projected through this territory, and if the Company

complies with the provisions of the law, it will be entitled to a land grant in this area. The Act under which this land grant will be made provides that the Company shall be entitled to purchase the pine timber at a price fixed by the Government putting up sufficient areas and applying the average price obtained to the pine timber on the territory which the Company may take. It will thus be seen that if the railway company earns its land grant it will have certain rights to purchase quantities of the pine timber in this region.

The Rock Lake and Algoma Railway, which is partly constructed, is also proposing to run through this pine area, and its line will traverse a part of the area on which there is estimated to be as much as five millions of feet, board measure, of pine to the mile.

Respectfully submitted,

AUBREY WHITE,

Assistant Commissioner.

TORONTO, January 12th, 1904.

This was forwarded to Council by the Honorable the Commissioner as follows:

TORONTO, January 12th, 1904.

The undersigned has the honour to report to His Honour the Lieutenant-Governor in Council that he has read the memorandum of the Director of Forestry and the Assistant Commissioner in connection therewith, and approves and agrees with the recommendations of the Assistant Commissioner.

The undersigned has therefore the honour to recommend that an Order-in-Council be passed, under the authority of the Forest Reserves Act, creating the territory outlined in red on the map attached hereto, into a forest reserve, except as to the northern part thereof where the line is marked in blue by the Assistant Commissioner on the map, which in the opinion of the undersigned should be the northern boundary.

The undersigned is of opinion that in view of the large quantity of pine timber in this territory that the lands therein should be absolutely withdrawn from location, settlement or sale, and kept in a state of nature, as far as that is possible.

Further that in view of the enormous asset which the pine timber in this section is, that a staff should be created to carefully guard it from destruction from fire and to estimate and locate the pine timber on it.

(Sgd.) E. J. DAVIS,

Commissioner.

To His Honour

The Lieutenant-Governor in Council.

And on the 24th day of February, 1904, the following Order-in-Council was duly passed:

The Committee of Council have had under consideration the annexed report of the Honourable the Commissioner of Crown Lands, with reference to the creation of a Forest Reserve in the territory tributary to the Mississauga River in the District of Algoma, and advise that the recommendations contained therein be concurred in and acted on.

Certified,

J. LONSDALE CAPREOL,

Assistant Clerk, Executive Council.

The territory referred to in the Order-in-Council as shown in the accompanying map is further described as follows:

Situate, lying and being north of Lake Huron in the District of Algoma, more particularly described as follows: Commencing at the northeast angle of township number 120 on north shore of Lake Huron; thence due west astronomically seventy-two miles more or less along the north boundary of townships numbers 120, 125, 132, 139, 145, 151, 157, 163, 169, 176, 182 and 188, to the southeast angle of township number 195; thence due north astronomically along said Meridian Line eighteen miles more or less to the northeast angle thereof; thence due west along the north boundaries of townships numbers 195 and 201 twelve miles more or less to the east boundary of the Township of Curtis; thence due north astronomically along the east boundary of said township and its production due north astronomically thirty-six miles; thence due east astronomically fifty-four miles more or less to O. L. S. Alexander Niven's Meridian Line run in 1901; thence due south astronomically along said Meridian Line eighteen miles more or less to the twelfth mile post thereon; thence due east astronomically thirty miles more or less to P. L. S. Alexander Salter's Meridian Line run in 1857; thence due south astronomically along said Meridian Line twenty-four miles more or less to the place of beginning, containing by admeasurement two thousand nine hundred and sixteen square miles more or less.

No rangers were sent into the Mississaga Reserve during the season of 1904. The territory had previously been extremely isolated and visited by very few people other than Indians living within it. The plans of the C. P. R. for an extensive tourist traffic were not matured, but it is expected that there will be quite an extensive tourist traffic through the Reserve in 1905, making advisable the employment of a staff of rangers to properly protect it.

## REPORT OF THE PROVINCIAL FORESTER.

PARLIAMENT BUILDINGS, Mar. 15th, 1905.

The HONORABLE J. J. FOY,

Commissioner of Crown Lands.

Sir,—I have the honor to present my report on my work as Provincial Forester since my appointment in August last.

I took the earliest opportunity to visit the Northern Woodlands to study the conditions obtaining on the timber limits and in the forest reserves, that I might have a first hand knowledge of the practical working of the fire ranging system and the personnel of the staff, a knowledge of the character and silvicultural condition of the northern forests, and of the effect of present regulations regarding the sale and disposal of the timber on the future productivity of the forest.

At the request of the Superintendent of Parks I made a detailed study of the conditions obtaining at Rondeau Park with a view of reporting as to the desirability and practicability of removing the mature and over-mature timber standing in the park. This report will include a complete forest map of the park showing the distribution of the species, a statement showing the total present stand of timber in the different parts according to species in feet board measure and cords and an estimate of the amount that should be removed from the different parts for the benefit of the stand, together



with a study of means of transportation, of markets, and of such other local conditions as are of interest in the making of an improvement cutting in the park. The practicability of using a portion of the park as a demonstration area for illustrating the methods of practical woodlot management for the benefit of the thousands of farmers who annually visit the park, was also considered and will be reported upon. This report is now nearly complete and will be placed in your hands at an early day.

During the Fall term a course of lectures having special reference to farm forestry was given at the Ontario Agricultural College at Guelph. The interest taken by the students, both in the class-room work and in the frequent excursions to woodlots and plantations in the neighborhood, was all that could be desired. Unfortunately the woodlots in the neighborhood of Guelph have in recent years become so badly deteriorated through unwise cutting and by grazing by live stock that it was impossible to show the students any examples of the results of wise management, consequently the practical demonstrations were necessarily largely limited to the showing of what should *not* be done and why.

At the request of the Superintendent of Farmers' Institutes, two courses of lectures were given to the farmers institute speakers with a view of preparing them for the discussion of the problems connected with the proper management of the farmer's woodlot, at the institute meetings throughout the Province. The first course was given to such as were in attendance at the Flower, Fruit, and Honey Show at Toronto. And the second to those in attendance at the Provincial Fat Stock Show at Guelph. These lectures were also supplemented by excursions to various woodlots for the purpose of practical demonstration.

In addition to the above I have whenever possible accepted invitations to give addresses on forestry subjects, contributed a number of articles to the press, and attended to the answering of such inquiries for information regarding the management of woodlands as have come to hand.

I have the honor to be,

Sir,

Your obedient servant,

JUDSON F. CLARK,

Provincial Forester.

---

## WHAT IS FORESTRY?

The above question is often asked and various definitions are given, depending very largely upon the point of view of the person interrogated or the attention he may have given to the subject. Probably the most common mistake consists in regarding "forestry" and "tree-planting" as synonymous, implying that the forester is merely or chiefly a tree-planter. An incidental attempt to furnish a definition was made at the banquet of the Forestry Association held in Toronto in 1904 in the toast to "The Forester, the Farmer whose Crops are Trees." This was replied to by Prof. Filibert Roth, and his speech affords so concise and pleasing a history of the evolution of the forester and his work that it is given here as an answer to the question.

"The forester is a genus which hardly yet exists in our country. He must be sought in other lands, in an older world. He is not the product of a day, but is, like his brother, the farmer, the result of centuries of



development. To trace this development, we must go back to the time of Charlemagne, where the forester as we know him to-day had his beginning. For, strange as it may seem, the people of the Mediterranean, the Romans and Greeks, never produced the forester. And, like these, the Egyptians, the Assyrians and Persians, with a proud civilization dating back to the beginning of historic time, never developed the forester. In spite of sagacity and industry, in spite of the fact that agriculture and horticulture thrived at their hands, they never learned the value of the forest tree, and as a consequence the fertility of their lands was lost and their stupendous monuments are to-day covered by the dust of centuries.

"The forester of Charlemagne's time was a huntsman, whose duty it was to protect game and fish and incidentally to regulate grazing and the utilization of oak and beech mast and the gathering of wild honey. As yet, the timber was of little value. Clearing by fire and girdling was encouraged; the forester was an obstacle to settlement and the building of homes, and the chief income from the forest consisted in the proceeds of the chase, grazing and mast.

"As settlement progressed, the wood became more valuable, the forest required better protection, and the forester was charged more and more with the care and protection of the timber. Gradually it became evident that the cutting of timber must be regulated, that if the better kinds of timber are to remain and the best growth is to take place, that the inferior kinds and inferior trees must be cut out. In short, that the cutting must not only supply timber, but must improve the forest as well. From this time on, the attention of the forester was more and more in the direction of improving the forest, of growing more timber, and gradually the different methods now in use were developed.

"A good illustration of the forest of those times is seen in the history of the 'Sihlwald' (forest of Sihl), a forest property in the hands of the city of Zurich, Switzerland, for a round one thousand years. As early as the year 1200 the forester of this property was charged with the duty of regulating the cutting and of determining the quantity of timber which the tract would grow per year, and thus to find a proper yearly cut. This cut has practically continued from that day to this, and the forest has never failed to give its harvest all these years, and is in better shape to-day than ever before.

"Thus the forester changed from a huntsman and patrol into a timber farmer. To-day he has charge of a district of perhaps 10,000 acres of forest, which he works after a well-defined plan, knowing years ahead just where he is going to cut timber and how much, where planting is to be done, where the forest must be thinned and cleaned by cutting out the small and weak and inferior trees, where roads and other permanent improvements must be made or repaired. He visits his forests daily and sees to the proper execution of this plan, watches over the patrol and other help, directs the marking of trees for cutting, makes contracts for work, conducts the sale of timber, and attends to the book-keeping for all this work, and thus is general manager of a business of perhaps \$40,000 to \$75,000 gross income and about \$15,000 to \$30,000 yearly expenditures. In the care of his forest he assists nature at every step, and in many localities he no longer waits for nature to seed the ground and thus start a new forest, but plants as soon as the harvest of timber is off the land.

"Personally, the forester, this timber farmer of the Old World, compares favorably with the men of any other profession. He is hearty and strong, kind and generous, self-reliant, content, and proverbially long-lived.

The child of nature, his pleasure is with the forest and its inhabitants, the trees and wild flowers, the birds and beasts down to the host of the "little people," the insects, who constantly enter into his sphere of action.

"He is a useful man, this forester, and let us hope that before long every acre of our woodlands receive his care and protection and thus be made more productive, more useful, more beautiful.

"In conclusion, let me say that my experience of to-day has clearly convinced me that Canada, and the Province of Ontario in particular, has gone so far in the good work that there is no longer any danger of its people repeating the mistake of other peoples and among them the greatest. It is interesting psychologically and sociologically that people whose natural life is not counted by years but by centuries are liable to errors like individuals, and that people apparently endowed with wisdom and energy, frugality and persistence, all the qualities which should ensure thrift and the proper appreciation of their opportunities, may yet fail to recognize the importance, nay, necessity even, of the forest, this counterpart of the wheatfield and the rice field, without which all human progress must come to an end. There are China and Japan, with a civilization of great antiquity, and yet without care for the forest. 'He could not see the forest on account of the trees' is an old German proverb, and is suggested most forcibly by the history of these people.

"But this statement would be incomplete if mention were not made of the prompt and effective way in which Japan has begun the repair of its losses in this direction. She sent her sons to Germany and had them trained, she imported German foresters and organized schools and a forest service, and to-day, after but a few years of beginning, she ranks well among the nations who have learned the value of the great sister industry of agriculture. The people of India never produced the forester. They dreamed and destroyed until the kind hands of your Imperial Government came to their rescue. England established an efficient and rapidly growing forestry service in India. She did for India what, strange as it may seem, she neglected to do for herself.

"But allow me to repeat. I have learned to-day that Canada has placed herself on record for a good beginning. May the forest be ever in the minds and hearts of her people, and it will be sure to prosper."

---

## ONTARIO'S FOREST RESERVES.

THOS. SOUTHWORTH.

*Reprinted from Canada Lumberman.*

The Province of Ontario is one of the greatest business corporations in the world. Whether viewed in the light of an inheritor having a vast estate to dispose of, or as all this and a trading company as well, Ontario is an extensive corporation doing business in a very large way.

Its shareholders are the individual people of the Province, and handsome dividends are yearly paid to them in the form of the support of public services, charity and education, that would otherwise be paid for out of their private pockets in the form of taxes.

I presume it may be stated that the working capital of the Province is, through the right to levy taxes, only limited by the ability of the citizens

to pay, as is the case with other similar corporations having more and richer shareholders, but it is proposed to refer only to the estate or inheritance common to us all in our land and water areas, and what they contain or produce. This includes land, forests, minerals, game, fish and water powers, all of which supply an income that could be increased if desired.

Unlike many corporations or trading companies, however, the Province realizes that there are ways in which the "greatest good to the greatest number" of the shareholders in this enterprise may be reached other than in the direct payment of cash dividends, and it has been deemed for the general good that the forest should be worked as the chief producer of cash dividends.

Therefore for the purpose of this article we will eliminate any consideration of any of the Provincial assets other than that of the Crown Forest.

The forest wealth of the Province has until recently been classed under two divisions; that still remaining the property of the Crown partly sold under license to lumbermen, and partly without any claim at all; and that part held by settlers to whom lands had been allotted or sold by the Crown.

#### THE LUMBERMEN AND FARMER.

In the development of the timber trade in Ontario the idea gradually evolved was to dispose of the merchantable timber, principally pine, for cash revenue, before handing over the land on which it grew to individuals to be converted into farms. Having this idea in view, the business was not regarded as one of our permanent industries. The lumberman was considered as but the forerunner of the farmer, and no attempt was made for many years to do any more than harvest the standing crop of pine and other coniferous trees to the best advantage. No idea of taking off another crop than the original one was thought of. For many years this process worked well. As lumbermen established camps, and cut over their limits, the shantyman often became a farmer, squatting upon a tract of good land as he found it in the limit, and he was soon followed by his friends. This process has settled many townships in the Province, and where the land included in the limit was good for farming, no better plan could probably be devised. The hardwoods and enough pine for building purposes were left on the land for the settler, and from the money received from the largest pine, roads were built for the settler and the whole people of the Province shared in the dividends.

As the lumberman pushed farther north in search of pine, however, the character of the country changed. Large areas were placed under license to lumbermen in which the land was unsuited for farming. The settler still followed the lumberman and tried to make farms where nature had provided that forests only could be profitably grown, finding out only after their capital and the best years of their lives had been spent, that they had made a mistake.

While these men have been wasting their efforts dragging out a bare existence, the Province has lost large sums in cash that might have been derived from these same areas had they been left to produce a second crop of pine timber.

In addition to the encroachments of settlers upon the forest area, fire proved a prominent factor in emphasizing the ephemeral character of the lumber industry; large tracts were burned over, until it began to be recognized as the natural thing that fire followed the lumberman. The success of the fire ranging system adopted in 1885 showed that this danger could be largely removed.)



## REFORESTATION.

This partial immunity from forest fires led our legislators to consider the possibility of giving the forest industries a more permanent character, and in 1895 when I was appointed to the forestry work under the Government, I was directed by the then Commissioner of Crown Lands, the Hon. A. S. Hardy, to submit a report on the best method of reforestating these burned areas with pine; to ascertain the comparative cost of planting and of sowing tree seeds, with plan of operation.

Estimates of the cost of seedling trees for replanting were secured, and in the process of investigating the burned over areas to ascertain the probable cost of getting them in condition to replant or sow, I concluded and so reported that neither was necessary except in a few places. The cost of replanting or even of seeding successfully would be so great per acre that the directors of the corporation, the Legislature, would never vote the money necessary to accomplish the work over so large an area and they would be right, for it is very likely that the initial expense compounded even at three per cent. for the number of years necessary for the plantation to reach a merchantable age, plus the annual expenditure for protection and care, would exceed the amount realized from the crop even at the enhanced prices likely to be obtained at that time.

## TREE PLANTING UNNECESSARY.

It may be said that even so, for the sake of the incidental or direct benefits in the way of climatic effect and water supply the investment would be worth while, but it was found that planting was not at all necessary, that practically all the investment required was time and freedom from settlement or fire. On burned over territory a new forest was growing and in nearly every case, where pine was present in the previous crop, pine was growing again, not at first perhaps; the first crop after the fire was usually birch, poplar or other trees that seed yearly and whose seeds carry immense distances, but nearly always pine followed where the fire had left any parent pine trees within a wide radius, and would be found growing up under the shade and protection of the broad leaved trees, under the exact conditions required to make good timber.

This condition of affairs simplified the problem of reforestation in Ontario Crown Lands, and in my report to the Government in 1896 I recommended that areas found unsuited for general farming should be permanently withdrawn from settlement and placed in Forest Reserves.

In the following year the Government appointed a Royal Commission to report on the same subject. This Commission included among its members two of the ablest lumbermen in Canada, the late E. W. Rathbun and the late John Bertram, and this Commission endorsed this recommendation as follows:

“A large portion of the Central Division of the Province is more profitable from the standpoint of public revenue as forest land than under cultivation for farm crops, and as in addition to this it contains the headwaters of all our principal streams, all that part of this Division found upon examination to be not well adapted for farming should be added to the Permanent Crown Forest Reserves.”

In 1898 the Legislature passed an Act entitled “An Act to Establish Forest Reserves,” the first specific action by legislation towards the creation of a permanent Crown Forest. This Act was submitted to the Legis-



lature by Hon. J. M. Gibson, then Commissioner of Crown Lands, and was passed without a dissenting voice.

#### PRESENT RESERVES.

The passage of the Forest Reserves Act, and the creation of Reserves thereunder, is the formal announcement of the Government policy of gradually separating the non-agricultural from the agricultural lands, and is the first organized and definite attempt to create a permanent Forest Estate to be owned in perpetuity by the Crown and operated for timber crops. Under the Act there have so far been created four Forest Reserves, amounting in all to 5,821,000 acres. These include the Eastern Forest Reserve of 80,000 acres; the Sibley Forest Reserve of 45,000 acres; the Temagami Forest Reserve of 3,776,000 acres; and the Mississaga Reserve of 1,920,000 acres.

There should be added to this Algonquin Park created in 1893 mainly as a Game Preserve, with an acreage of 1,101,000 acres, making a total of Permanent Forest Reserves of 6,922,000 acres.

These Reserves are of different character. The two former, the Eastern Reserve in Frontenac County and the Sibley Reserve, which takes in the township of Sibley including Thunder Cape on the north shore of Lake Superior, have been lumbered, and in most cases burned over, and now contain a very thrifty growth of white pine and other trees. It will be some time before they are ready again for lumbering operations, but the growth is very rapid and the time when they may be again operated for pine and other timbers much less than would be imagined in the absence of definite information and measurements of the rate of growth of this young timber.

The Temagami Reserve lies in the District of Nipissing and contains 5,900 square miles or 3,776,000 acres. This Reserve besides including some of the most picturesque and beautiful lakes in the world, of which Temagami and Lady Evelyn might be mentioned, contains a very large quantity of pine timber now ready to be cut. About forty years ago the band of Indians living in the territory, alarmed at the incursions of the lumbermen who were operating on Lake Temiskaming and at the suggestion, it is said, of a Hudson's Bay officer equally interested with them in the preservation of this country as a hunting ground, started a fire that swept over a good many hundreds of square miles, including the northern part of Temagami, Lady Evelyn, Anima, Nipissing and other lakes. Over this burned territory there is now a thrifty growth of poplar, birch, as well as pine and other coniferous trees, the pine making growth at the rate of one inch in diameter in about two and half to three years. Of the timber now sufficiently large to cut or what would be estimated by a lumberman in buying the territory for lumbering, I believe there is about five thousand millions, or five billions of feet B. M., exclusive of spruce, tamarac and hardwoods.

The Mississaga Reserve is included in the territory drained by the Winnebago and Mississaga rivers in the District of Algoma, and lies between the main line of the C. P. R. and the Sault Ste. Marie Branch of the same line. It comprises a territory of 3,000 square miles, or 1,920,000 acres, and is estimated to contain over three thousand millions of feet of merchantable white pine besides other timbers.

In giving these figures of areas of Forest Reserves, it must be borne in mind that the Government has only recently entered upon this policy,

and it requires time to properly investigate the different areas before having them come under the provisions of the Forest Reserves Act. By the Act a Reserve can be created by Order-in-Council, but if on further investigation it was found desirable to open this land for agricultural purposes, a subsequent Act of the Legislature would be necessary in order to take it out of the Reserves. In a general way, however, we are aware that there is a very large territory in the Province of Ontario peculiarly suitable for permanent forests.

#### PERMANENT FOREST AREA.

So far as the question of future timber supplies and the consequent effect on climate and industrial conditions are concerned the Province of Ontario is in a peculiarly fortunate condition. The southern part of the Province which extends almost into the middle of the United States is a very rich agricultural section, now entirely settled up, and the home of a prosperous agricultural community. North of this agricultural belt, stretching across the Province from east to west, lies the watershed separating the streams flowing south into the Great Lakes and the St. Lawrence from those flowing north into our great Canadian sea. This height of land or watershed is not a mountainous ridge, but a more or less level tableland, rugged and rough in character, for the most part quite unsuited for agriculture, but the natural home of the white and red pine, spruce and other coniferous trees. True, in this belt there are occasional valleys of good land. In the Temiskaming district for instance, there are nearly a million acres of rich alluvial clay soil. There is also a good agricultural section in the Rainy River valley and another one at Wabigoon on the main line of the C. P. R. But generally speaking, that is the character of this immense watershed stretching hundreds of miles across the Province from east to west.

North of this territory again, on the slope running to Hudson's Bay, lies another agricultural district, estimated to contain over sixteen millions of acres of first-class farming land, but covered at present with a very valuable growth of spruce and other timber.

In estimating the annual dividends possible or likely to be derived from this forest asset, a good many things have to be taken into account. While the Reserves so far created are pine bearing, not all of the territory suitable for reserves contain pine at present though they may be made to do so. Some of this territory is rocky and has been so severely burned over, notably on the north shore of Lake Superior, as to have no soil left, and we need to figure on long periods of time before those small areas will become productive. There must also be eliminated the water areas, and fire must be counted on as a contingency.

The present Forest Reserve area includes distinctly pine bearing lands, and for purposes of computation over the whole area, I will take this area 6,922,000 acres as a basis. In a country where we have no large artificial plantations that have reached maturity from the seed, it is difficult to form definite conclusions as to the annual growth of timber, but from measurements obtained by the Washington Bureau of Forestry over many parts of the northern or pine-bearing states, they have adopted nearly sixty cubic feet as the normal annual growth under ordinary forest conditions on an acre of forest land. This includes the whole of all sorts of trees, not pine alone. This in board measure would be 720 feet per acre per year. In our pine-bearing land, particularly in the Reserves referred to, white pine is

not the only tree, but it is the dominant tree, and a large proportion of this annual growth will be of that variety of timber.

Pinchot and Graves in their exhaustive study of the white pine in Pennsylvania, estimate that a pine tree 10 inches in diameter will yield 84 per cent. of merchantable timber, and in a tree 26 inches diameter only 7 per cent is waste. Under continuous operations, 10 per cent. would be a fair allowance for waste in all kinds of timber, but there should also be eliminated much solid timber not now merchantable. With allowance also for water areas and spots not well seeded, I do not think 300 feet B.M. per acre an unreasonable estimate for the annual growth of pine on an acre of land in the areas. That it is not unreasonable is shown from yields on lands that have been cut over. There are numerous instances where 50,000 feet of pine per acre have been cut, and this where only the merchantable trees were removed, leaving many others on the way to a merchantable size, while our estimate is for the total annual growth. An ordinary forest well seeded to pine would produce this 50,000 feet in about 100 years or at the rate of 500 feet per year.

One other deduction must be made, however, for fire, for while we have greatly lessened the damage from this source, it must be counted on, and we will reduce this estimate 50 per cent. or 150 feet B.M. per acre per year for the pine timber only. This estimate applied to our present reserves would give an annual production of 1,038,300,000 feet.

As to the value of this timber, much depends on its location and ease of access to market. On the basis of the recent timber sale, \$7 per thousand feet would be a fair average as applied to the Reserves in question. This would return annually \$7,268,100. This sum appears large, but it must be borne in mind that the territory now being operated each year, probably not so large as this, returns \$1,000,000 to the Treasury, and at \$1.25 instead of \$7 per thousand feet.

It would perhaps be unfair to apply the prices realized at the recent sale to the whole of this area, but to reduce it to \$5, a very modest estimate, the annual increment in pine would reach a value of \$5,191,500, and besides the other timbers growing on the Reserves, spruce, cedar, birch, larch, maple, etc., have a commercial value that is rapidly increasing.

Fifteen thousand feet B.M. at \$5 per M. would be worth 75 cents as the annual rental value of this land. It may at first appear high, but the Prussian Crown Forests under a most expensive semi-military system of management, including the cost of maintaining several Forestry Schools and Colleges, yield a net income over all expenses of about \$1.45 per acre per year over the whole territory good and bad. I am well aware of the difference in conditions as to markets, etc., but surely if the Germans can obtain a *net* revenue of \$1.45, we can, in time at least, under proper management, realize half that sum as our *gross revenue*. I might also add that the Crown Forests of Saxony yield about \$4.50 per acre per year, net.

A recent concrete instance of the growth of pine under somewhat adverse circumstances is shown by the result of a small plantation of pine trees on the sand plains of Nebraska. This plantation covers .52 of an acre on the ranch of Bruner Bros., in Holt County, Nebraska. It is rectangular in form, measuring 70x192 feet, and is located in sand hills bordering a dry valley. The trees on this plantation were set out in the spring of 1891 as three year old seedlings averaging about eight inches in height. Furrows were turned two feet apart, and the trees were planted two feet apart in the furrows. Since planting the trees have received no cultivation whatever,



but they have been protected from fire and stock. The altitude of the location is 2,200 feet.

This sand is what is ordinarily called blow sand and covered some of the small seedlings. Last year the Bureau of Forestry at Washington had these trees counted and measured, when it was found that the total volume of wood in the plantation was 586.02 cubic feet, with a total annual growth of 50.6 cubic feet. This, converted into board measure, would be over 600 feet per year on a fraction over half an acre, or 1,200 feet per acre per year.

It is true these trees were planted at regular intervals, and would therefore have a better chance for growth than trees reproduced by nature with her wasteful methods, but it must also be remembered that the soil was very bad and of such a nature as had been considered hitherto quite incapable of growing trees at all.

Hence it will be seen that my estimate of 150 feet B.M. per acre per year in our peculiar pine bearing country is a very moderate estimate. Applying this estimate to say 40,000,000 acres of Permanent Reserves, which I hope to live to see, we have a yearly growth of 6,000,000,000 feet, which at \$5 per M. would represent a value of \$30,000,000.

This is not a rosy picture, but a very conservative estimate, and if the timber other than pine is considered, it will be found low.

#### MANAGEMENT OF FOREST RESERVES.

And now having definitely adopted the policy of separating agricultural from non-agricultural lands, placing large areas of non-agricultural lands in Reserves to form a permanent Crown Forest to be operated in perpetuity for timber supplies and the payment of cash dividends, the problem is presented of how to work these Reserves to the best advantage.

In this various problems present themselves. The first, of course, is the great one of fire protection, but this I am happy to say we are within reasonable distance of having solved. Of course in the forest, as in the city, the prevention of fires entirely is an impossibility, and in the forest there is the added difficulty not often found in well regulated cities, that a fire once under headway cannot be checked by any human agency at present known. At the same time the system of patrol adopted some years ago is proving very effective, and our losses from fires for the past few years have been inconsiderable.

Among the most serious problems confronting the Government in the permanent timber policy, is the reproduction of the right kind of species from a commercial point of view. This Province is the habitat of probably the most valuable timber tree in the world, the Weymouth or white pine, the tree that has been so great a factor in the prosperity of the Province. There are peculiar features connected with its reproduction that have to be carefully considered in any permanent forestry operations.

In the first place, I have noticed that where a forest has been operated for pine for a number of years, and where no fire has taken place, there seems to be no seedling pines coming up. True, there are pine trees still growing to take the place of the mature trees removed, but they are trees that were suppressed and stunted in their growth at the time of the previous lumbering operation, and that took on new growth after the pressure in the forest was relieved, but I cannot find that in a forest of this sort there is any new crop coming on, that is to say, trees that have seeded since the cutting of the original crop.



Why this is so is not quite clear to me, but I imagine the reason will be found in the fact that the ground and the conditions of shade are not suitable for the proper germination and growth of the pine seeds.

On the other hand, where there has been a forest fire, after lumbering operations, we nearly always find a growth of young pine coming up, at any rate if any old or seed trees have been left in the vicinity of the fire.

Assuming this condition of affairs to be general, that young pine will not come up as a second crop except under suitable conditions, it will readily be seen that if in operating an old forest, nothing but the pine trees are taken out, the result must eventually be that the character of the forest will have changed from a pine forest to one of another description, and necessarily of a less valuable character. If it is pine mixed with spruce, if the pine is removed and the spruce only allowed to reproduce, it will naturally become a spruce forest, or a hardwood forest as the case may be.

Hence it is obvious that in operating an old or virgin forest with a view to reproduction of the most valuable sorts of trees, a scientific knowledge of the growth and method of reproduction of these trees will be necessary in order to have the cutting properly executed. This must be done also with a view to the financial part of the operation, because whether in private forestry or Government forestry, it must necessarily be largely a commercial proposition, and the cost of operating must be considered in its relation to the ultimate profit.

This is one of the problems confronting us. There are others of a more or less technical nature, and for their solution scientifically trained men will, in my opinion, be necessary. That we have many men engaged in the lumbering business who are highly skilled indeed in the operation of removing the present standing crop of timber as expeditiously and economically as possible, is true, but their training is not extended to the problem of removing this timber with any regard to a future crop.

While we need scientifically trained men for this purpose, men with a knowledge of botany, plant pathology and general silviculture, as these men would have to be employed partly by the Government, partly by lumbermen, it would be necessary that in addition to these things they should also be expert lumbermen, and have a thorough knowledge of logging, driving to market, sawing, culling lumber, etc., so that in addition to the training they could receive in the schools, their education would be utterly incomplete without the other training in the bush and in the saw mill, as well as in the lumber yard.

For the proper management of our Permanent Forests, well trained men will be needed and it will require the joint training of the college, the bush and the saw mill to produce them.

---

## PRACTICAL FORESTRY.

In the report of the Director of Forestry for 1900-1901 the writer referred to the problem of the disposal of the debris left by loggers on the public forest lands in the following language:

### FOREST WASTE.

“Another serious problem affecting our forestry operations lies in the disposal of the waste material left by the lumbermen. This waste, comprising the tops and branches of the felled trees, constitutes a constant and

serious danger, owing to its readily combustable character, which renders it the cause of many forest fires. Its presence also to some extent militates against the proper seeding of the cut-over area. Its removal would necessarily entail some expense, and without some experience it is difficult to determine whether the cost would be offset by the resultant advantage to the forest, by lessening the fire risk, and the more rapid seeding and reclothing of the territory from which the waste is removed. In this, as in many other cases, the experience of older countries affords no guide for us. The tops and branches left on the ground after logging have here no commercial value whatever, and to carry them away from the forest would be a very costly proceeding.

#### FIRE AS A SERVANT.

"It is reported that in some cases in Michigan this waste has been removed successfully by fire and at a cost of only ten dollars per square mile, and if this could be done here there is no doubt whatever that it would be profitable and in every way advantageous. Several lumbermen to whom the writer has referred the matter have expressed doubts of the practicability of the plan. So far as I know it has never been tried in Canada except in the case of one operator, in which the circumstances are somewhat unusual. The Rathbun Company of Deseronto in some of their eastern Ontario limits have burned the waste on their cut-over territory for several years, but as the limit is mixed forest of coniferous and hardwood trees and the company cut trees of all sorts, the waste is not so inflammable as would be the case where only coniferous trees are in question, and the fire can more easily be controlled.

"In the Michigan cases referred to the tops and branches were not piled up, but a gang of men with tin coal oil torches either in the early spring as soon as the snow had melted and before the ground had got dry, or else in fall after heavy rain or the first fall of snow, set fire to each lot of debris as it was left by the loggers. No attempt was made to burn the larger limbs, or the upper part of the trunk, but the needles and small twigs that constitute the fire danger were burned off, and no great difficulty was experienced in controlling the fire.

"If in thus burning the refuse the pine 'duff' or carpet of needles, existing in an old pine forest to the depth of several inches in some cases, were burned it would greatly enhance the value of the operation. In the investigations of the Forestry Commission in 1897 and 1898 it was noticed that the crop of young pine was much more prolific and vigorous when fire has followed lumbering operations, provide that it had not been repeated so as to destroy the young growth after the removal of the seed-bearing trees. This was no doubt largely due to the failure of the pine seeds to reach the mineral soil owing to the depth of the forest litter. There is little doubt that it would be found, that in the places where the lumbering waste was burned off, the crop of young pine trees following a seed year would be much larger than if the forest litter had been allowed to remain.

"It is hoped that a systematic and fair experiment in this line may be conducted at no distant date."

Since the above was written the experiment has been undertaken in a northern white and red pine forest under the direction of the United States Bureau of Forestry. The results of the first season's operations indicate the practicability of the scheme and at a cost not at all excessive.

The following facts in connection with this recent sale and cutting of pine timber in Minnesota under the direction of the U. S. Bureau of

Forestry have been collected through correspondence and otherwise by Dr. Clark, Provincial Forester, and I submit it as being an interesting contribution to our present knowledge of scientific lumbering, or what is the same thing, practical forestry.

### PRACTICAL FORESTRY IN MINNESOTA PINERIES.

In accordance with an Act of Congress the Forester of the United States Department of Agriculture was charged with the selection—subject to the approval of the Secretary of the Interior—of 231,400 acres of land from the Chippewa Reservation in Northern Minnesota for the Minnesota National Forest Reserve. The Act stipulated that the area so selected should include 200,000 acres of pine land, and further provided that 95 per cent. of the standing timber on the selected lands be sold, subject to such rules and regulations as might be prescribed by the forester.

#### CONDITIONS OF SALE.

In October, 1903, the following rules and regulations were issued to govern the lumbering of timber standing on the lands then selected, some 89,000 acres:

### RULES AND REGULATIONS

#### OF THE

Forester of the Department of Agriculture for the cutting and removal of ninety-five per cent. of the pine timber on the ceded lands of those parts of the Cass Lake and Chippewa Indian Reservations, Minnesota, selected for the Minnesota National Forest Reserve.

DEPARTMENT OF AGRICULTURE,  
Bureau of Forestry,

WASHINGTON, D. C., October 21, 1903.

1. No tree shall be cut that is stamped with the letters "U S."
2. No white pine or Norway (red) pine, ten inches and under in diameter, three feet from the ground, shall be cut for any purpose, except where absolutely unavoidable in necessary logging operations.
3. All trees shall be cut with a saw whenever practicable.
4. In no case shall the height of the stump exceed the thickness or diameter of the tree two feet above the ground.
5. No tree shall be left lodged in process of felling.
6. So far as reasonable, all branches of the logging shall keep pace with each other. In no instance will the brush piling be allowed to fall behind the cutting and removing of logs.
7. All tops and litter from trees cut under these rules must be burned so as to be safe against fire, under the supervision of the Inspector of the Bureau of Forestry, and at such time as he shall select, but the burning of tops or other material larger than eight inches in diameter, or of tops or litter not made by logging under these rules, will not be required. The piles must be compact and large enough to burn clean without repiling, and must not be so near young growth or standing green trees as to endanger any of them, and must be placed where there is least danger of the fire spreading.
8. Unnecessary damage to young growth or trees left for seed must be carefully avoided.
9. As few log roads as practicable shall be cut, nor shall they be made wider than is actually necessary.
10. All merchantable pine timber in felled trees which is six inches or over at the small end shall be logged. Any such timber left in the woods shall be scaled under



the direction of the superintendent of logging and paid for by the purchaser of the timber at double the regular stumpage rate.

11. The use of timber in constructing corduroys and bridges, or for road work, shall be confined, whenever possible, to unsalable material and to dead and down timbers.

12. Merchantable pine timber used for booms, skids, dams, bridges, for building camps, or for any other purpose, shall be scaled, and paid for by the purchaser of the timber at the regular stumpage rate.

13. The location of log landings, loading works on the shores of lakes or streams, or along railroads, and of railroad side tracks, shall be subject to the approval of the Inspector of the Bureau of Forestry.

14. All trees cut for booms shall be carefully measured, and the booms shall be cut in such lengths as will allow all the timber to be cut into merchantable logs.

15. The maximum length for measurement of all white pine logs shall be sixteen feet, and of all Norway pine logs shall be eighteen feet. Upon logs twenty-four inches or less in diameter two inches additional length, and upon logs over twenty-four inches in diameter three inches additional length shall be allowed for trimming off battered and discolored timber. Longer logs shall be scaled as two or more logs.

16. The length of logs shall so be varied that all merchantable timber six inches and over at the top shall be utilized.

17. The decision of the Inspector of the Bureau of Forestry shall be final in the execution of the foregoing rules.

18. The violation of any of these rules, if persisted in, shall be deemed a sufficient cause for annulling the contract and cancelling the sale of the stumpage.

Approved, October 24, 1903.

THOS. RYAN,

Acting Secretary of the Interior.

GIFFORD PINCHOT,

Forester.

The pine was sold on the stump at so much per thousand feet board measure (scaled by the Scribner Rule). Twenty-five per cent. of all timber embraced in the bids was required to be removed on or before July 1st, 1905, and not less than twenty-five per cent. on or before July 1st of each of the successive years thereafter. The entire amount of the timber embraced in each bid to be cut and removed on or before July 1st, 1908. Bonds to the extent of fifty per cent. of the estimated value of the standing timber were required to be filed for the faithful performance of all agreements between the purchaser and the Government.

The five per cent. reserved for seed tree purposes were marked (by blazing and stamping the blaze with the letters "US") by trained foresters in the employ of the Government.

Notwithstanding many predictions of failure, the sale was very satisfactory. The average price realized for the white pine was \$7.61 per M. and for Norway pine \$5.15 per M. One large block was sold at \$9.50 per M. and individual sections sold as high as \$11.00 per M. A blanket bid for the whole area (89,000 acres) was made at \$11.00 per thousand straight, but as the bidder did not comply fully with the terms of the sale this bid was rejected.

Ignorance in regard to the cost and even the practicability of burning the brush undoubtedly prevented the prices from going appreciably higher.

#### *Practicability of Brush Burning.*

There has now been completed one season's lumbering under the terms of this sale, and it will be of interest to glance at the results.

Mr. Eugene S. Bruce, a practical lumberman of wide experience, was the representative on the ground of the Bureau of Forestry to see that the purchasers satisfactorily performed the conditions of their contract. Reporting on the practicability and cost of burning the loggers' debris he says in part as follows:—



“The cost per acre varies much, according to the amount of brush and debris upon the acre to be destroyed. A better method of calculating the cost is by the thousand feet, board measure, log scale, for while upon one acre there might be but two or three thousand feet to be removed, on another acre, and perhaps an immediately adjoining one, there might possibly be fifty thousand feet. Such conditions would make the actual cost of burning brush per acre so vacillating and uncertain that, unless one was thoroughly acquainted with the conditions upon which the average price was based, figures per acre would be of no great use in a general discussion of the subject. A far better method of calculation is by the thousand feet, board measure.

“The most expensive method of destroying brush and debris has been found to be to pile the brush in summer and wait until damp weather in the fall of winter before burning it. This method we have been compelled to adopt in some cases in order to protect the adjoining forest from running fires during the dry summer season. It necessitates extra handling and practically makes two jobs of one, which can as well be completed as the logging proceeds, when the forest is in such condition that it is safe to burn the brush. When it is necessary to pile the brush in summer, and await a favorable time to burn it, the particular portion of the work in which the most money can be saved, is to build the piles *very compactly* so that they will burn *entirely clean without repiling*. The cost of repiling in order to fully destroy the large limbs has been found to be nearly as great as the first piling.

“In the actual operations on the Minnesota National Forest Reserve the cost of piling and burning the brush has not exceeded on any of the territory over which I have supervision, twenty-five cents per thousand feet, board measure, and it has in some instances been reduced to twelve cents per thousand feet.

“The most economical method of destroying the brush and debris has been found to burn it as logging proceeds, whenever the ground is covered with snow, or when it is sufficiently damp or in such condition that the fires will not run nor endanger the surrounding forest. The loggers have been burning brush all winter from choice, although there have been ten inches of snow on the ground, and they find it is the most economical method, to clean and burn as they go.

“Where they are burning the brush and debris as logging proceeds, when the crew begins skidding, they select desirable places for starting fires where no damage will be caused to the standing timber, then with the aid of an extra swamper the limbs as they are cut off are piled on the fire, which soon becomes a mass of live coals that will destroy the smaller limbs thrown upon it almost immediately, and quickly reduce to coals the large green body limbs. Oftentimes a tree top can be hauled in bodily to the fire by the skidding teams without any extra cost to the logger. As a final result the brush and debris are burned when the logs are skidded, and no damage is done to the forest. A decided advantage gained is that the skidding team has a much better chance to work, by reason of the cleaner ground, from the brush and debris having been removed as the skidding proceeds.

“The cost of piling and burning the brush has been found to be approximately the cost of one extra swamper for each skidding crew which is expected to pile from twelve to twenty thousand feet per day. As an average figure in the Minnesota Forest Reserve, fifteen cents a thousand feet, board measure, would, I think, be about right for piling and burning.

This figure would, of course, vary according to locality, the conditions existing on the tracts, and the executive ability of the crew doing the work.

“The dense stand of timber on and around the famous Section 16, just east of Cass Lake, has been cut and removed. In this particular locality the stand of timber was the greatest of any portion of the Chippewa Indian Reservations in Minnesota. There were many acres of this territory that yielded upwards of fifty thousand feet, board measure. The brush and debris on this area has all been burned and the trees reserved for seed trees are now standing uninjured by the fires.”

\* \* \* \* \*

“On the territory where logging operations have been completed, no serious damage has been caused to the trees reserved for seed trees, or reforestation. The danger of forest fires in the near future on the lumbered area has been reduced to the minimum, since from a lack of material to feed running forest fires, they can now be successfully combatted and easily extinguished. This would have been impossible had the large amount of brush and debris caused by lumbering operations been allowed to remain scattered over the ground.”

The following quotation from a private letter from a lumberman operating on the Reserve is of interest as a further contribution to the cost of brush burning:—

“The actual cost depends somewhat upon the logger and the intelligence and honest effort he brings to bear upon the matter. It is safe to say that intelligently done the brush can be piled and burned at a cost of from twenty to twenty-five cents per thousand; the larger the cut per acre of the timber, the less the cost per thousand. The average cut per acre is about twelve thousand under our operations so far; that is, using the section of land as the unit, which has usually been the case in the purchase; but the real facts are that very often 300 acres of the 640 may be heavily timbered, at nearly twenty thousand to the acre, and the balance with little of anything on it. The total acreage cut by us (the amount of feet board measure scale) shows about twelve thousand to the acre. We have found that it is practicable, and cheaper, to burn the brush in the winter at time of cutting.”

The following comments by Dr. B. E. Fernow, quoted from an article in the Forestry Quarterly (Vol. 3, pp. 105-113) written after a personal inspection of the areas that have been so far logged under the terms of this sale, give a forester's opinion of the results so far attained:—

“I have seen nothing . . . that will teach the lumbermen so readily two important lessons, namely, that brush should be burned and can be burned at little expense, and that reproduction can—under conditions—be secured with little or no present outlay.”

And again:—

“The main value of the experiment is not so much in the demonstration that pine can be reproduced by natural seeding, which every forester at least knows, as in the demonstration that brush can be burned with ease, without danger, and at little expense.”

\* \* \* \* \*

#### *Natural Reproduction of White Pine.*

While, as Dr. Fernow says, every forester knows that white pine may be reproduced by natural seeding, this information is by no means shared

by the general public. The obliteration of the white pine forests and their replacement by stands of hardwoods, and other inferior species, is unfortunately a too well known phenomenon wherever white pine has been logged; and has, in the absence of a knowledge of causes, led many to the conclusion that a white pine crop cannot follow a crop of white pine.

Wherever this disappearance of the white pine has been observed, it may be traced to one or more of three causes, namely, (1) absence of seed trees; (2) unfavorable conditions of soil cover for a seed catch; and (3) fire.

The most usual method of the transformation is the removal of all of the mature pines by the lumberman and the destruction of all young trees and the seeds in the soil by the usual after-lumbering fires. The ground is then occupied by a growth of broad-leaved trees which originate either from seed blown from a distance, as is usually the case with birch and poplars, or from sprouts from the stumps or roots of the broad-leaved trees which were present in the former pine stand and which unlike the pine have the power of sprouting a new tree from their roots which were protected from the fire by the soil.

Should, however, a sufficient number of pine seed trees remain after the fire, conditions are then most favorable for a second crop of pine. The destruction of the debris and the reduction of the amount of leaf litter on the surface of the soil by the fire is the best possible preparation for a successful catch from the next crop of pine seed. I shall mention two tracts located widely apart which I examined in 1903, which illustrate very well what may be expected in the way of a second crop of pine under these conditions.

Tract No. 1 is located in Cheshire County, New Hampshire, and was formerly occupied by a first-class stand of white pine. The best of the pine was lumbered about sixty years ago. As usual, then as now, the logging operations were followed by a slash fire which disposed of the debris and destroyed all small pines. There was, however, quite a number of large pines scattered over the area which were left by the lumbermen because of defect, and which escaped the fire by reason of their very thick, rough, almost fire-proof bark. These trees quickly seeded up the soil for a new growth of pine. At the time of my visit in 1903 the present owners were cutting this second growth for box-boards and were getting an average cut of 40 M., "rough edge," per acre. This is equivalent to about twenty-five to thirty thousand feet, board measure, of square-edged lumber per acre, which is certainly a splendid return for rough, non-agricultural land in sixty years.

The second example of natural reproduction of white pine from seed trees on logged lands that I shall mention is to be found directly east of Blue Lake, Muskegon County, Michigan. These and surrounding lands were lumbered about thirty years ago, at which time many large defective trees were left standing throughout the Michigan pineries, the price of lumber not warranting their removal. The fire which followed the logging operations here as in New Hampshire failed to kill these large trees, though almost all the younger trees were destroyed together with the brush. The location of the land directly east of Blue Lake protected it from recurring fires which are the scourge of the Michigan stump lands, and permitted the development of a fine reproduction from the seed trees present. Later the land was abandoned to the State for taxes, all the then merchantable timber having been removed. Some time after, when the growing scarcity of pine made it worth while, the seed trees were themselves cut by trespassers. The reproduction of the pine, however, was already thoroughly



established, and at the time of my visit there was not less than 4,000 young pines per acre on the most open part of the small tract examined.

Many other examples of successful natural regeneration of the white and red pine might be instanced and may be seen to-day throughout the Canadian and American pineries which have been logged before the rising price of white pine lumber made it in the interest of the lumberman to cut all of the large trees. Unfortunately present market conditions are such that practically no pine trees large enough to withstand the slash fires which usually follow in the wake of the lumberman are left to reproduce their kind. Fortunately we have in the Minnesota experiment a demonstration that the securing of the conditions most favorable to the natural reproduction and safety of our pineries is not only thoroughly practicable, but may be secured at a minimum of cost.

JUDSON F. CLARK.

## THE PROPAGATION OF TREES BY FARMERS.

By JUDSON F. CLARK.

There has been a great awakening within the last few years in regard to the desirability of giving the woodlots better care, the planting of windbreaks, for the protection of the farm and home and of other improvements about the farm which require trees for planting purposes. One result of this has been an unprecedented demand for suitable trees for planting. This has in turn resulted in exorbitant prices being asked for desirable planting stock by the few nurseries which were able to supply any considerable quantity. During the present season (1903) the quotations for white pine, for example, ranged from \$15.00 to \$45.00 per thousand for three-year, once-transplanted stock. Inasmuch as about 1,700 young trees are required to plant an acre properly, the cost of planting stock alone would range from \$25.00 to \$70.00 per acre, a cost which even at the lower figure is practically prohibitive. Such stock can be produced on a large scale at a cost of about \$3.00 per thousand and in time we shall doubtless have good planting stock at reasonable prices.

The following notes on the collecting, care, and planting of tree seeds and the transplanting of trees are especially prepared for the farmers of Ontario, and the methods are such as may be employed where small quantities are required. The large grower will in many cases adopt radically different methods, but it is not the intention to discuss nursery methods in this paper. Only such species are discussed as have a considerable value for woodlot, windbreak, or shade purposes. Special notes regarding the seeds of particular species will be found at the end of the paper where the different species are commented on separately, with notes on their value for different purposes.

### *The Seed.*

Tree seeds may be purchased from seed dealers or may be collected by the farmer himself. Wherever the latter plan is practicable it is to be very strongly recommended for then only is one sure to have perfectly fresh seed and true to name. Moreover tree seeds are usually very expensive, while the collection of what would be needed for farm plantations may be done at a trifling cost. An additional reason for collecting one's own seed is found



in the fact that seeds grown in a locality are always better for local planting provided they are of good quality, for they are best adapted to the local climate.

#### *Seed Years.*

Trees vary greatly in the frequency with which they bear seed. Some trees such as elms and maples usually bear a crop of seed every year while in the case of others such as the oaks and many conifers a crop of seed is produced at intervals of from two to five years, or even longer. There is also a great difference in the location of a tree in this respect. The more open the location and the better developed its crown, the more frequently will a tree bear seed. Thus while in dense forests the white pine usually bears seed every five to seven years, white pine trees standing in the open usually seed every two or three years, and occasionally on successive years.

#### *Seed Trees.*

Good plump seed is as important in forest work as in agriculture, perhaps, indeed, more so, for while in agriculture a mistake in one year can be remedied the next, a mistake in the matter of tree seeds extends over many years. The best tree seeds are ever to be found on the broad-topped, vigorously growing trees which are favorably located as regards light. Seeds from such trees are plumper, possess greater vitality, and will therefore produce more vigorous seedlings than those produced in dense woods. The fact that a tree has a short trunk is no objection whatever to the use of its seed. The shortness of the trunk is the natural result of the tree having stood in an open stand during the years of its greatest height growth, and the best bred seed in the world will produce short-trunked trees under these circumstances.

#### *Collecting the Seed.*

A few forest trees such as the elms, poplars, and soft maples mature their seeds early in summer. Such seeds should be collected at once when mature and planted immediately without having become dry. Nuts and acorns may be collected after falling in autumn. Quite a few seeds may be collected in winter such as the ash, locust, catalpa, and others. It is better, however, to collect all such seeds when fully mature in the fall and care for them as directed below. The seed cones of the evergreens should be collected late in summer when they turn brown. It is best to collect them before they are fully browned for otherwise one is liable to lose some of the best seed by the opening of the scales of the cone. The maturity of other seeds can usually be determined by the browning or yellowing of the seed coats. The falling of the seed is also a pretty safe guide. Seeds that fall prematurely because of blight or other accidental cause lack the plumpness of mature seed and are usually readily distinguished. Pruning shears by means of which small branches loaded with seeds may be removed will be found very convenient in collecting. In the case of the cone-bearing trees climbers, such as linemen use for scaling telegraph poles, will be found very useful.

#### *Regions of Seed Supply.*

It often happens that the desired seeds are not available in the locality where they are wanted. This may be due to the extermination of the species when the country was cleared, or from natural causes. The natural distri-

bution of trees may be limited by a great variety of causes, and is necessarily limited by their ability to mature their seed, while many trees may grow well and make excellent timber where they rarely if ever produce fertile seed. It should be possible for farmers to co-operate in the matter of seed collection, either through the medium of Farmers' Institutes or clubs or the agricultural journals.

#### *Caring for Seed.*

The only care necessary in the case of seed maturing in early summer is to plant them before they become dried out. In the case of the cone-bearers the cones should be put in a dry room for a few days till the scales open. The seed may then be removed by striking the cones point downward on a table. If all the seed does not fall out, the operation may be repeated another day. The seeds should be freed from their wings by rubbing and fanning. If wormy, nuts and acorns should be placed in a tight box and treated with carbon bi-sulphide gas before storing for winter. Otherwise the ravages of the worms during the winter may destroy many seeds which might otherwise be saved.

Winter storage of tree seeds is a matter of great importance. They must be protected from mice, heating, moulding, and drying out. Where large quantities of seeds are being cared for this may be a matter of great difficulty requiring special treatment for different seeds. Fortunately there is one method which, while perhaps not always practicable on a large scale with many seeds, is entirely practicable with all seeds in the quantities the farmer may be interested in. This is the method known as *stratifying in sand*. Briefly, it is to pack the seeds in clean, moist sand in a mouse-proof box which is then placed in a very cool cellar, or perhaps better, buried out of doors in a well drained soil at a fair depth—say, six to twelve inches—so as to avoid any possibility of sprouting during a very warm spell in Autumn. If only one kind of seed be used in a box, the seeds may be simply mixed with the sand and removed from it again in the Spring by using a sieve. If the seeds be nearly as small as the sand grains or if a number of kinds are to be placed in the same box, it will be better to proceed as follows:—Place a layer of moist sand in the bottom of the box, cover this with cheese-cloth, place a very thin layer of seeds, then more cheese-cloth and cover with one or two inches of moist sand and so on. It is strongly recommended that all seeds be stratified in sand as directed above soon after they have been collected. They may, of course, be kept in perfect safety in a cool dry cellar for a week or two until a sufficient quantity has been collected to make it worth while packing a box for winter storage.

#### *Testing Seeds.*

If a farmer collects his own seed and cares for it as directed above there will be little need of testing the vitality of his seeds. Purchased seeds, however, must be tested before planting. This may be roughly done by cutting through 50 or 100 seeds with a sharp knife. The good seeds will be found to be plump, firm, and moist, while those which are shrunken, mouldy, or entirely dried out may be assumed to be worthless. The only accurate test is of course a germination test and it may be easily made by anyone by planting a hundred seeds in moist sand, powdered sphagnum moss or between the folds of moist cloth and keeping them in a warm place for from ten to thirty days.

### *Growing of Planting Stock.*

The seeds may be planted where the trees are wanted or first started in the garden and later set out when the trees are from one to three years old. As a rule only the larger nuts and acorns are planted directly where the trees are wanted. These trees produce a long tap-root and cannot be very satisfactorily transplanted on a large scale. The fact that the nuts and acorns are large indicates that they have considerable reserve food stored up, and that their seedlings are therefore capable of making a better fight for themselves during the first year than those which spring from the smaller seeds and are on that account necessarily very tiny at first and easily crowded out by other vegetation.

### *Dibbling in Nuts and Acorns.*

Where nuts or acorns are to be planted where the trees are wanted, it is usual to put them in with a dibble to a depth of about twice their own diameters in heavy soils and three times their diameters in lighter soils, spacing them about three feet apart each way. This may be done either in the Spring or Fall, but if done in the Fall the nuts should be slightly moistened and completely colored with red lead, otherwise the squirrels will very likely destroy the most of them.

Where fairly large trees are wanted for planting in the barnyard or along lanes where they must be above the reach of the live stock, oaks and other nut trees should be grown the first year in boxes. The tap-root on striking the bottom of the box will be forced to grow in a horizontal direction. Such trees can be as readily transplanted at the end of the first year as other trees. For general forest planting, however, it is better that the tap-root strike directly downward, hence the desirability of planting the nut where the tree is wanted.

### *The Seedbed.*

Most seeds should be started in the garden where they can be especially cared for during the first year or the first two or three years as they may require. A well drained, deep, sandy loam is the soil best suited for this purpose, but any good garden soil will yield satisfactory results. It is desirable that the seedbed be located in a sheltered spot so as not to be exposed to the sweep of the drying winds. The soil should be worked deeply and thoroughly the Autumn preceding, also thoroughly in the Spring, but not deeply. If the soil be poor, well-rotted manure should be worked in when the soil is cultivated in the Fall as for any garden root-crop.

### *Sowing the Seed.*

The seed is best sown in drills which may be from six to twelve inches apart for hand cultivation and the usual root-crop width for cultivation with the horse hoe. It will be a safe rule to plant all seeds to a depth of two or three times their own diameter. The soil should be well firmed by rolling before planting the seeds, and gently firmed above the seeds after covering. In the case of the coniferous seeds a layer of sand  $\frac{1}{4}$  inch in depth should be sifted over the bed after sowing the seed. If trouble be anticipated from birds or squirrels robbing the seed from the seedbed, it should be covered with red lead before sowing as advised in the case of nuts and acorns.



### *Mulching the Beds.*

Having completed the sowing, all seedbeds should be covered with a mulch of one to two inches in depth. Forest leaves are the best for this purpose, being free from weed seeds and are more easily removed than cut straw, which may, however, be substituted. This mulch keeps the soil evenly moist and of even temperature, insuring much greater uniformity of germination. An additional advantage is that many weed seeds in the soil will germinate and perish for want of light under the mulch before the tree seeds have germinated. It is also a perfect protection from the blowing off of the soil covering by the wind if the weather should be dry or the washing out of the seed in case of heavy rains. The mulch must be removed when the first seedlings are seen to be finding their way through the surface soil.

### *Screening the Beds.*

As soon as the sowing is finished, the bed containing the conifers should be provided with a screen so as to shield the young seedlings on the removal of the mulch from the full sunlight. This may be simply a brush screen erected two to four feet above the bed, or perhaps a lath screen which admits about half the light. The latter is more convenient in that it is more easily removed during dark summer days, or for convenience in weeding. All young conifers should be screened till about the middle of August of the first year, when the screens should be dispensed with. The broad-leaved tree seedlings do not require screening.

### *Thinning.*

Should the seedlings be very thick, they should be thinned as soon as they are well established. The conifers may be left  $\frac{3}{4}$  to 1 inch apart, and the broad-leaved trees about 2 inches apart. The poorer seedlings should of course be removed wherever possible, reserving the more vigorous ones.

### *Weeding.*

This needs no further comment than that the seedbeds should be kept free from weeds. In dry weather the surface soil between the rows should be kept stirred to a depth of half an inch or so to conserve the moisture.

### *Autumn Care.*

It is usual to set out in their permanent plantation most broad-leaved trees when one year old. Such seedlings should be taken up in Autumn after the wood is fully matured and heeled-in for the Winter. The removal of seedlings from the nursery row means considerable damage to the roots of the plants, no matter how much care may be taken to prevent unnecessary injury. The points where the roots and rootlets are broken, however, become calloused over during the Winter, and these callouses form very favorable points for the sprouting of new roots when the seedlings are planted in the spring. In taking up the plants, it is best to lift a good deal of soil with them, using a spade or broad-tined fork. The seedlings may then be freed from the soil with little injury, tied in bunches of, say, fifty and heeled-in in a cool cellar or in a well-drained soil outside where the snow does not lie so late in the Spring as to interfere with using them as early as they may be



planted. The roots and the lower parts of the stems should be covered with soil and the tops covered with straw on which some weight is laid to prevent its being blown away.

The conifers such as spruce and pine should be left in the seedbed for two years, when they may be set out in the permanent plantation if the ground to be planted be not very weedy. If conditions in the permanent plantation are not very favorable, they should be transplanted in the garden and set out permanently when three years old. The Autumn care in this case should consist in placing a mulch of forest leaves or cut straw between the rows of seedlings, leaving their tops uncovered that they may have the benefit of the light when not covered with the snow. This mulch should be left on in the spring until all danger of Spring frosts be past, for it is an excellent protection from heaving out of the plants.

#### *Transplanting Seedlings.*

At the age of two years, the seedling conifers (spruce, pine, etc.) should be transplanted if they are to be set out finally on land which cannot be cultivated previous to the planting. Transplanting is best done in the Spring. The seedlings should be taken up with care and re-set about six inches apart in the row. The utmost care is necessary that the roots of the seedlings be not exposed to sun or wind during the operation. A dark day is to be preferred for this work, but if proper care be taken they may be transplanted successfully any day. If the seedlings are to be transported any distance before being re-set, the roots should be packed in wet straw, chaff or moss, and the whole covered with a wet rug or cloth. If there be a delay of more than a few hours in getting seedlings re-set, they should be heeled-in by covering their roots with moist soil. The soil should be made very firm around the seedling when planted. If the soil be light, they may be set one-half to one inch deeper than they stood in the nursery row. If the soil be heavy, set to the same depth or a very slightly deeper. The transplant bed requires the same care as regards weeding and cultivation as already described for the seedbed. Transplanted stock is ready to set out in the permanent plantation after standing one year in the transplant bed.

#### PROPAGATION BY CUTTINGS.

Poplars and willows are much more easily propagated by cuttings than from seed. A number of other trees, such as elms, catalpa, ash, and other broad-leaved trees, may also be propagated in this way, but propagation from seed is in their case the more satisfactory. Practically, the cottonwood is the only tree which farmers will be using at all extensively, which should be propagated in this way.

Cuttings may be made at any time when the leaves are off the tree. February and March, however, are perhaps the best months. They should be taken from full matured one or two-year-old branches which are from one-fourth to one-half inch in diameter. A convenient length for cuttings is from eight to twelve inches. They may be cut from the branches with hand-pruning shears or a hatchet. They should be pointed at the lower end with a sharp knife. This pointing removes any bark which may have been broken from the wood by the hatchet, distinctly marks the base end of the twig, and is of advantage in planting it in the ground. They should then be tied in bunches of, say, fifty and buried in moist sand in a cool cellar until the frost is out of the ground.

The planting of cuttings may be done very quickly and well by using an iron dibble having a diameter equal to the larger cuttings and which is furnished with a convenient gimblet handle. This dibble is thrust into the ground in a slanting position and the cutting inserted in the hole formed, leaving one or two buds above the surface. The slanting position is very advantageous in that the soil as it settles is brought into intimate contact with the cutting. This may be aided by stepping firmly on the soil above each cutting after it is set.

#### PERMANENT PLANTATIONS.

The preparation of the soil, the choice of species, the manner of mixing the different species chosen, the setting out of the stock, and after care of the plantation are all of the greatest importance.

#### *Preparation of the Soil.*

Wherever it is practicable to prepare the soil thoroughly it is very desirable that it be as well prepared for the setting out trees as for any other crop. If the land be very rough it may not be possible to do anything in the way of preparation. In such cases all that can be done is to use extra good planting stock and plant with greater care. If the land be soddy cut out about twenty inches square of the sod, plant the tree, and replace the sod in an inverted position. It will then serve as a mulch.

#### *Choice of Species.*

The climate, the soil, and the purpose for which the plantation is made will be carefully considered in making a choice of species for planting. There were in the natural forest many very valuable trees in all parts of the Province of Ontario. All such trees are known to be certainly adapted to the localities in which they were found, and no mistake can be made in using them. In addition to this most species, as has already been noted, may be grown successfully a considerable distance north of the limit of their natural distribution. There are also some foreign trees which are admirably adapted to our conditions, *e.g.*, the Norway Spruce. Further notes on the adaptability and uses of some of our most important trees will be found at the end of this article.

#### *The Mixing of Species in Plantations.*

As a rule, plantations should be of several species. Such plantations give a diversity of product and are less liable to serious ravages by insects and diseases. The mixing of the species should, however, be groupwise rather than by alternating rows or alternating species in the rows. The groupwise mixture secures all the advantages to be gotten from any mixing, and has the additional advantage of admitting of using the species best adapted to the different parts of the plantation area on those parts. That is to say, that one may place a pine group on the gravelly or sandy ridge, a tulip group or a walnut group on the deep loomy soil of a depression, an ash group on the moister soil, and so forth. Another and almost equally important advantage will be that the trees in each group will have a similar height growth habit. This will result in the production of a better quality of timber. The mixing of trees by alternating the species in the row is admissible and desirable in the case of a few trees which, because of the open-character of their crowns, do not make a good soil cover. The black walnut is a good example of such a tree. In planting it should be alternated with hard maple or other shade

enduring tree. The maple will not amount to much so far as the timber is concerned, for the walnut will quickly outgrow it and shade it, preventing any considerable growth. The maple, however, is capable of living and growing slowly under the shade of the walnut and provides an excellent soil cover, and thereby greatly increases the vigor of the growth of the main walnut crop.

### *The Planting.*

Little need be added to what has been already said regarding the planting of the seedlings in the transplant bed. There are just two secrets of success in planting trees and both need to be used together for the best results.

1. Keep the roots from being dried out by sun or wind, and
2. Plant the little tree so firmly that it would seem that it would break rather than pull up on being grasped by the top.

All the planting tools necessary are a good hoe, and a bucket with a couple of inches of water or thin mud in the bottom in which the roots of the little trees to be planted are kept. In placing the tree, spread out the roots as evenly as may be quickly done, fill in the soil and pack it firmly around the stem, using both feet to firm it. Finally, cover the surface with some loose soil, old leaves, inverted sod, or anything that is at hand for a mulch.

It is important that a sufficient number of trees be planted per acre to quickly cover the soil and to induce the trees to grow straight, clean trunks. This should not be less than 1,500 per acre, and double that number would be considered still more satisfactory. The larger the number, however, the greater the cost, both for planting stock and labor of planting. As a compromise between efficiency and economy, trees are commonly set five feet apart each way, which may be regarded as at once fairly efficient and economical. This requires 1,730 trees per acre. Where it is practicable to cultivate the trees for two or three years after planting, it is better to vary this to 6 x 4 feet. This gives 1,800 trees per acre, and cultivation may be continued a year longer between the six-foot rows than would be practicable where they are but five feet apart.

Where the owner is willing to go to a greater expense, 4 x 4 feet is a favorite spacing. This gives 2,720 trees per acre. This may be varied to read 3 x 5 to make a better arrangement for cultivation, which gives 2,870 per acre. As an intermediate spacing between the 4 x 4 and the 5 x 5 spacing, 4 x 5 is frequently used. This gives 2,180 trees per acre, and is a very satisfactory spacing in every way. In most cases the 5 x 5 or 4 x 6 spacing will doubtless be chosen.

### *Cultivation of Plantations.*

The cultivation of plantations is only practicable where the area planted has been very open and free from obstructions. Wherever it is practicable it should be done for two or three years at least, and longer if the trees will admit of it. The increased vigor of growth will amply repay the labor.

Cultivation should be frequent if the season be dry so as to keep a mulch of loose soil on the surface of the ground between the rows. The cultivator should be run through after rains to break the crust formed on the surface. The cultivation should be discontinued at the end of August so as to enable the young trees to thoroughly mature their wood before the Fall frosts.



### *Shade Trees.*

On account of the importance of shade trees in the barnyard, along roads, and in other places about the farm, a short note might be added regarding their propagation and transplanting.

The difference between such planting stock and that raised for forest planting is chiefly a matter of size. If broad-leaved trees be used they can first be grown to a size that places their tops beyond the reach of the live stock. In the case of evergreens this can also be done, but as they are much more difficult to transplant when so large, it is recommended that they be planted out when not more than five or six years old and be protected from the live stock by fencing. If the broad-leaved trees to be used for shade tree purposes be of nursery grown stock they can best be prepared for setting out by being transplanted several times. If trees be selected in the woodlot for setting out, they should be taken from parts which are fairly open that they be accustomed to the full sunlight. One year before they are to be moved they should be prepared for the ordeal by cutting off all roots with a sharp spade at a distance of say 18 inches to 2 feet from the stem. The top should be reduced at the same time to correspond with this root pruning, but the main trunk of the tree should in no case be cut off, for it is almost certain to permanently injure the shape of the top of the tree. When the tree is dug out a year later it will be found to have developed an immense quantity of fibrous roots near the base of the tree. These roots will hold a quantity of the soil very tenaciously and in moving the tree it is better to allow as much of this soil to remain on the roots as can be conveniently transported. Trees prepared for transplanting in this way should show a very small number of failures and should grow very rapidly from the first in their new location.

#### SOME TREES HAVING SPECIAL VALUE FOR WOODLOT WORK IN ONTARIO.

##### 1. *The White Pine (Pinus strobus).*

The white pine had been well named the King of Trees. It is the tallest, most stately, most beautiful, as well as the most valuable of all our northern conifers. The former supply was so abundant and its qualities so satisfactory for a multitude of uses that it has taken a place in the industrial life of the country that is not equalled by any other tree. The inevitable exhaustion of the natural supplies which has been foreseen only when it was already too late to prevent in the near future a great scarcity of white pine timber, has resulted in a phenomenal advance in prices which has placed the growing of this tree on a perfectly sound financial basis.

It is quite at home on poor sandy and gravelly soils and was found in greatest abundance, though not in greatest perfection, on such soils in the original forest. While it is admirably adapted for rendering such inferior soils productive, it nevertheless resembles most other plants in that it is more productive on better soils. It may be grown successfully on almost any type of soil and throughout the Province. It is one of the most rapid growing of our forest trees, producing under the most favorable circumstances 1½ to 2 cords of body wood per acre per year.

The cones bearing the seed mature about the end of August or early in September, and should be collected before they open. Seed purchased from the trade is very often very inferior in germinating qualities and is very expensive (\$2.00 to \$4.00 per pound).

The white pine is one of the trees which it will amply pay the farmer to prune. With pruning, 200 to 250 logs of perfectly clear white pine timber



may be produced per acre, assuming the trees to be pruned to a height of one log length. The value of such a product to-day is enormous. That it will be much greater fifty or eighty years hence is morally certain. The wood of the white pine is very durable. It is this very durability which prevents the early rotting and falling off of the lower branches (as is usual with most other trees) on being killed by shading as the higher branches develop. Consequently the white pine, no matter how densely grown or how mixed with other trees, retains its lower limbs from thirty to fifty years after they are dead. Every one of these dead limbs means, of course, a "dead" or "loose" knot in the lumber, and greatly reduces its value, hence the value of pruning. The pruning should be done before the trees exceed four, or at most six or seven inches in diameter, and dead branches only should be removed. Only such trees as are intended to make the final crop should be pruned, say 250 per acre. It is evidently a waste of effort to prune trees which will later be overtopped and removed for firewood and other minor purposes during the development of the crop.

Three-year-old, once-transplanted white pine stock is usually used for plantation purposes, but if the land be clean and cultivated before the planting, two-year, untransplanted seedlings may be used. The trees should be spaced 5 x 5 or 6 x 4 feet, the latter being preferred when cultivation is practicable. This density will insure straight trunks, rapid height growth, and prevent the development of large branches and will result in the lower branches dying early, making the pruning very easily accomplished and thoroughly effective. The white pine should be planted in groups of pure stand (unmixed with other species) on the drier portions of the woodlot area. It is also an excellent wind-break tree, being second only to the Norway spruce in this respect.

## 2. *The Tulip or Whitewood (Liriodendron tulipifera).*

The tulip resembles the white pine in straightness of its trunk, rapidity of its growth and the value of its timber, and is worthy of a very important place in the woodlot.

The tulip when fully grown has a very open crown and on that account admits too much light to the soil, hence it is desirable that a "soil cover" crop be planted with it. The hard maple is admirable for this purpose. The maple may be planted in the rows with the tulip alternately. The tulip will quickly outgrow the maple and overtop and shade it to such an extent that the maple will make but little growth for many years. However, the maple is capable of living and making slow growth under the shade of the tulip and it is there to utilize the light and protect the soil when the crown of the tulip becomes more open as it certainly will with age. A soil cover of this character, as has already been noted, will greatly increase the vigor of growth of the main crop.

The seed, which will be found in the form of cones at the top of the trees, matures in Autumn and should be collected not later than October. Not more than 5 to 10 per cent. can be expected to germinate, hence it should be sown very thickly. It is very important that it be kept stratified in moist sand, as recommended for all seeds in small quantities, during the Winter, for if dried out it is likely to remain a season in the ground before germinating. The tulip is usually set out in the permanent plantation as one-year seedlings. If they are very small, or the plantation ground weedy, they should stand a second year in the seed bed. Should this be done the planting stock may be improved by passing a knife through the soil three inches on each side of the row of seedlings, cutting off the longer roots and thus inducing

the development of small fibrous roots, which will sprout vigorously from the points where the roots were cut off. This root pruning should be done in the Autumn of the first year after all growth has ceased for the season, and may be used with advantage with other trees under similar circumstances.

The tulip prefers a deep, warm soil of at least moderate fertility, hence should be grouped in the more fertile depressions of the woodlot where the drainage is good. It is adapted to Southwestern Ontario, and may be grown successfully in most localities fully fifty miles northward of its natural distribution.

### 3. *The Chestnut (Castanea dentata).*

The chestnut is a very valuable wood for post stock, railway ties, telephone poles, and other uses where a wood durable in contact with the soil is required, and has recently come into favor for interior finish and a variety of other uses. It makes a splendid ornamental tree and has an additional value on the farm because of its nuts. It is a very rapid grower, producing on favorable soils as much as  $1\frac{1}{2}$  cords of wood per acre and year.

Unfortunately the chestnut is limited to a comparatively small portion of Ontario for commercial planting. The northern limit for planting on a large scale is probably near a line drawn from Hamilton to Sarnia. Undoubtedly it may be grown successfully in favorable locations much farther north than this, but it is not recommended for general planting outside the area indicated. It does well on a comparatively light soil and is especially partial to a gravelly subsoil. It does poorly on limestone soils. A deep loam with gravelly subsoil gives the best results.

It may be propagated either from sprouts from the stump (coppice) or from the nut. In the former case the stumps should be cut low, preferably with an ax, and with a clean slanting convex upward, so that it will readily shed the water and thereby retard decay until the sprouts have become thoroughly established. The low stump will induce the sprouts to originate close to the ground. This is very desirable for such sprouts are less liable to be broken from the stump by ice, snow, or wind, and they early become independently rooted. In propagating the chestnut from the seed, care must be taken to prevent the nuts becoming dry, as they very readily lose their vitality on being dried out.

After setting out in the permanent plantation the young chestnut trees should be cut back to the ground at the end of the first, or, if the growth be poor, at the end of the second, year. The tree will then grow from the roots and during the next year will produce a long, straight sprout which will greatly improve the straightness and hence the quality of the trees in the plantation.

A chestnut stand has an advantage over that of many other species in that the comparatively small sized materials which are removed in thinnings have a high value for vine props, posts, electric railway ties, etc., whereas with many other species such materials are useful for fuel only.

### 4. *The Basswood (Tilia americana).*

The value of the basswood as a timber tree is well known throughout the Province. While not so high priced as most of the trees recommended, it always commands a good market and has a very great advantage in the rapidity of its growth and the excellent trees which may be produced by sprouting from the stump. In this respect it is not surpassed.

It is of course hardy throughout the farming sections of Ontario. It prefers a moist situation, but does fairly well on moderately dry soils.

The seed should be collected at once when mature in September, and stratified in sand. If thoroughly dried out they become exceedingly hard and very erratic in germination. After standing one year in the permanent location the straightness, and hence the quality, of the future timber may be improved by cutting back as directed for the chestnut.

#### 5. *The Norway Spruce (Picea excelsa).*

The Norway spruce, a native of Europe, easily ranks second in value of evergreen trees for the Ontario farmer. In rapidity of growth it is second only to the white pine, and in density of foliage, and hence in efficiency as a wind-break it is easily its superior. It is of much more rapid growth than the native spruces and fully equal to the best in the quality of its timber.

Its greatest value on the farm is undoubtedly for wind-break purposes for the protection of orchard, field crops, and woodlot from the drying summer winds, and the residence, barns, and barnyard from the winter storms. For wind-break purposes a double row with the trees set eight feet apart in the rows and the rows about ten feet apart will make an ideal winter wind-break. In planting the second row it is well to place the trees opposite the spaces in the first row, so that it may close the gaps up at the earliest possible day. In planting for timber, setting the trees five feet apart each way, or six by four feet where cultivation is practicable, is the standard spacing. The Norway spruce is adapted to a great variety of soils, but should not be used on very dry or on very wet locations. The seed can usually be collected from ornamental trees in abundance. It is sold at a reasonable price by dealers and is usually of good quality. An ounce of seed contains about 5,000 seeds.

#### 6. *The Sugar Maple (Acer saccharum).*

The value of the sugar maple for timber, fuel, and syrup production needs no comment here. It is of course hardy throughout the Province.

The sugar maple has an added value to the forester in that it is one of the very best trees that can be used for what is termed a "soil cover." It has the capacity of living in the shade of many trees and its own shade is so dark that practically nothing can live below it where it covers the ground. On this account it is of the greatest value for planting in mixture with tulip, black walnut, and other thin foliaged trees to keep out the grass, which would otherwise obtain a foothold in stands of these trees, and keeps the soil in the most desirable condition for the growth of the main crop by excluding the sun and wind.

The seeds mature in September and should be gathered and stratified in sand before they are dried out. When planted in mixture for soil-cover purposes it is usual to make from one-third to half the plantation maple. When planted in pure stand for timber or sugar bush purposes it is usual to space the trees 5 x 5 or 6 x 4 feet. If sugar production should be the main object of the plantation, the stand should be thinned more severely than if it be timber production alone, for to be a good sugar tree the maple must have a well developed top, and to have a large top it must have plenty of room. If the stand be kept fairly dense during its earlier years until the trees have attained a good height and have formed straight, clean trunks, and then thinned rather heavily as the main trees require more room for their tops to develop, there is no reason why an excellent sugar bush should not be at the same time producing the best of maple timber. It is admirably adapted for shade tree purposes and as a roadside tree is perhaps unexcelled.



The sugar maple is a tree of slow growth, rarely exceeding three-fourths of a cord of body wood per acre and year on the best maple soils. The tapping of the trees for sugar making checks the growth slightly but not greatly, at most probably not in excess of fifteen per cent. of the normal growth.

### 7. *The Black Cherry (Prunus serotina).*

This valuable tree should receive more attention from planters. It is a rapid grower, cleans its trunk nicely and the wood always commands a very high price for furniture purposes. In some sections, however, it is badly attacked by the borer. Where this is the case no extensive plantations should be made.

The seeds should be collected when they are ripe in August or September, macerated in water to remove the pulp, and stratified in moist sand until spring.

The cherry, while naturally doing much better on moist, fertile soils, can also be grown successfully, though naturally much more slowly, on comparatively poor soils.

### 8. *Red Oak (Quercus ruba).*

The well known and appreciated qualities of strength, elasticity, hardness, and beauty of grain have for centuries made the oak one of the leading woods for furniture making and for a multitude of other purposes. There can be no mistake in growing a good quality of oak timber for it must always be in demand and in the near future at greatly advanced prices because of the rapid exhaustion of the natural supplies and an increasing consumption.

The oak is hardy throughout the farming section of Ontario. The red oak is recommended for farm planting in preference to the white oak because of its much more rapid growth and the fact that notwithstanding a strong prejudice against it, its price as compared with that paid for the white oak has steadily risen until to-day it commands the same price for plain sawed materials. The fact that it is unsuited for railway ties or posts will not be a determining factor in its price in the future, for all kinds of oak will presently be too high priced to be used for such purposes.

The red oak is adapted to a great variety of soils and may be grown on relatively poor areas. It of course makes much more rapid growth on the better soils and the timber from the more rapidly growing trees is of decidedly better quality, hence it is desirable that the oak be grouped on the richer parts of the woodlot area.

The oak being a tap-root tree is not well adapted to transplanting, and on that account the acorn is usually placed where the tree is wanted. In dibbling in acorns it is usual to space them about three feet each way. The planting of the seed may be done either in the fall or spring. The acorns being bitter, they are not as a rule disturbed by squirrels.

## THE ASHES.

### 9. *White Ash (Fraxinus americana).*

### 10. *Black Ash (Fraxinus nigra).*

The ashes have a special value in two ways. The materials of small dimensions, especially of the white ash, are marketable at good prices, making a return from the plantation at an early date from the thinnings which need to be made in any stand for the benefit of the main crop. A second



advantage is in their adaptability to many soils which are too wet for the growth of farm crops and most other forest trees. The black ash is adapted to a wetter soil than the white ash and in planting should be grouped in the wettest parts, while the white ash might well be planted in a zone around such groups, occupying the soil of intermediate moisture between the black ash and the other trees.

The qualities and uses of the white ash timber are well known. The black ash has suffered much from prejudice, but while distinctly inferior for some purposes to the white ash it is rapidly gaining favor as a wood for interior finish and a variety of other uses in which it is in no wise inferior and its price is rising correspondingly.

The collection of ash seeds and their propagation presents no special difficulties. It is very desirable, however, that the white ash seed be collected from known trees, for the purchased article is often adulterated with green ash seed and is sometimes wholly of that species. These seeds resemble each other so closely that only an expert can certainly distinguish them. The green ash is a very inferior tree for planting in Ontario.

#### 11. *Rock Elm (Ulmus racemosa).*

The rock elm is the most valuable of the elms. Its wood possesses all the good qualities of the family without the defects. It is strong, tough, easy to work, and takes a fine polish.

The rock or cork elm is hardy throughout Old Ontario. It adapts itself to all kinds of upland soils but naturally prefers soils of the better quality. It is of rather slow growth, ranking with the sugar maple, and the white oak, in this respect. This is to be regarded as its greatest drawback, and it is a very serious one, for its wood is not especially useful in small dimensions.

The rock elm in common with all other elms matures its seed in late spring or early summer. As already noted it should be collected and planted at once on maturing before it has been dried out.

#### 12. *Black or Yellow Locust (Robinia pseud-acacia).*

A very rapid growing tree of the greatest value for the production of vine props, posts, railway ties and all kinds of materials which are to be used in contact with the soil.

It is rated as a 45-year post tree, which is to say that under the most unfavorable conditions locust posts will remain serviceable for fully thirty years and under favorable conditions they should last sixty years or more. This durability of the wood in contact with the soil perhaps is not exceeded by any tree native to Ontario, and is equalled only by the slow growing and practically extinct red cedar.

The locust is limited to the portion of the Province lying south of the 44th degree of latitude for commercial planting, though as was mentioned in the case of the chestnut it can doubtless be successfully grown in favored localities considerably north of this line, but its planting on a large scale is not recommended farther north than the limit mentioned unless its adaptability to the locality be previously established by trial. Unfortunately its growth even in southwestern Ontario is seriously limited on account of the locust borer which is so common in some localities that whole plantations may be destroyed. Where the borer is common its use on a large scale cannot be recommended for there has been no practical method yet devised for the protection of large plantations from this pest.

The locust is adapted to poor soils. Being a leguminous plant it is not dependent on the soil for its nitrogen. It spreads readily by shoots from the roots, and should not on that account be placed anywhere where such spreading would be disadvantageous. It is for the same reason exceedingly difficult to kill and should only be placed where it is intended to stay permanently.

The seed may be collected at any time during the autumn and stratified in sand. The seed is easily kept, however, and purchased seed may usually be relied upon for good germination results if it be properly treated with boiling water before planting. The treatment is accomplished as follows, and all locust seed should be so treated before planting:—Place the seed in a vessel of water heated to the boiling point and stir briskly at intervals during ten or fifteen minutes; then leave the seeds to soak three or four days. At the end of this time all seeds which are floating are ready for planting, and should be planted at once without again becoming dry. Continue to scald the sunken seeds till all have risen in the same manner. Locust seeds treated in this way are in excellent condition for planting and should germinate promptly.

The locust is usually set out as one-year seedlings and spaced 4 x 4, 4 x 5, or at most 5 x 5 or 6 x 4 feet. They should always be cut back at the end of the first or if they have done poorly, at the end of the second year after planting, as suggested for the chestnut, in order to improve the straightness of the stems of the trees.

A crop of from 1,000 to 2,500 fence posts may be expected per acre at the end of from 12 to 18 years, according to the quality of the soil, with an equal number of vine props, stakes, etc., cut out earlier in thinning, and from the tops of the trees from which the posts are cut. The second crop of locust posts may be expected to be ready in two years' less time than was taken to produce the first crop. This second crop needs no planting for the locust sprouts very vigorously and satisfactorily from the stump, and at the end of the first year the sprout crop is as far advanced as a three-year-old plantation.

### 13. *Hardy Catalpa (Catalpa speciosa).*

The catalpa is used for practically the same purposes as the locust, viz.: vine props, fence posts, railway ties, telephone poles, etc. In methods of propagation it is very similar, except that the seeds need no special treatment. The young trees should be cut back when well established in their permanent plantation, and reproduction after the first planting is effected by sprouting from the stumps of the first crop.

In several important particulars, however, the catalpa differs markedly from the locust. It is more liable to injury by frost and hence is confined to the territory indicated for the commercial cultivation of the chestnut. It is wholly unsuited for very poor soils. In fact, it should be planted on good agricultural land only. A third point of contrast is that it is remarkably free from attack by insect or fungus disease.

The utmost care must be taken to secure the true Hardy Catalpa seed. The most that the writer has seen growing in Ontario is the common catalpa or Indian Bean (*Catalpa catalpa*) which is much less frost hardy than the hardy catalpa, and an inferior tree in other ways. The seed should be submitted to an expert before any extensive planting is undertaken. If young stock be purchased from a nursery the species cannot be determined with certainty until the trees begin to bear blossoms and fruit.

The catalpa has a very large and rather tender leaf and the plantation should on that account be provided with a windbreak along its western margin. The cottonwood is well adapted for this purpose because of the extreme rapidity of its growth. A very rapid growing species must be used, for the windbreak should be higher than the crop it protects, and the catalpa itself is under favorable circumstances a very rapid grower.

The yield to be anticipated from the catalpa is about the same as given for the locust. Its wood is very durable in contact with the soil, but is not quite so good in this respect as the locust.

#### 14. *Black Walnut (Juglans nigra).*

The black walnut is a very valuable tree and on its proper soil is of moderately rapid growth. The valuable wood of the walnut is that of the heart only, hence trees must be large to command a high price. This means that a walnut plantation while yielding finally very large returns, does not yield these returns early.

It may be grown throughout southern and southwestern Ontario. It demands a deep, warm soil of at least moderate fertility. If planted on poor land it is sure to be a disappointment.

The nut ripens in autumn and after a slight frost may be picked up under the old trees in quantity. Stratifying in sand, and dibble in in the spring where the trees are wanted as directed for red oak. The walnut, however, is too thin foliated to be used in pure stands, and as already mentioned should be planted in mixture with sugar maple, the latter to serve the purpose of a soil cover.

#### 15. *Hickory (Hickoria minima).*

The value of the wood of the hickories for various purposes is very well known. Four species are native to Ontario. The Bitternut (*H. minima*) seems to be the most widely distributed and hence is probably the best to propagate in the northern parts. It is hardy at least as far north as the latitude of Ottawa. In the southern parts of the province it is probable that the shag-bark hickory (*H. ovata*) will be preferred because of the value of the nut. The wood of the different hickories, and the rapidity of their growth is much the same. The wood of all is regarded as extremely useful for a variety of purposes, but especially for handle stock, and can be used in small dimensions, the sapwood being equally useful with the heart wood. On account of these qualities it yields returns much earlier than the walnut, though a very much slower grower.

The collecting and caring for the nuts, the propagation and general care is practically the same as given for the walnut. The hickories, however, may be grown successfully on poorer soils than the walnut, though the growth is naturally correspondingly slower.

#### 16. *The Cottonwood (Populus deltoides).*

This is the finest of the poplars and is hardy throughout the farming areas of Ontario. Its wood is of good quality for paper pulp, and is being used quite extensively as a substitute for tulip (whitewood) in furniture manufacture. About the farm it makes good gate stock, rough boards, etc.

It is an exceedingly rapid growing tree, being perhaps unsurpassed by any tree at present in cultivation in Ontario. Its greatest value on the farm is for temporary windbreak purposes. On account of the rapidity of



its growth one may have an efficient summer windbreak in a few years, and it will often be found exceedingly useful for this purpose while the slower growing trees which are to form the permanent windbreak are growing.

The cottonwood should be propagated from cuttings as already fully described. If planted near the door-yard the cuttings should be taken from the staminate trees so that there may be no cottony seeds to litter the ground every season. When planted in regular forest plantation it should be mixed with hard maple for soil cover. Under the name of Carolina Poplar it has been extensively planted in some cities. It is a poor tree for this purpose. Like all poplars though perhaps to a less degree than most, it is easily broken by ice storms and becomes unsightly. Its very rapidity of growth is also a disadvantage for it is constantly prying up the sidewalks, curbstones, and street paving by the growth of its roots. Its roots also delight to seek out tile drains and entering at an open point choke the interior of the drain with a mass of roots.

17. *White Cedar, Arborvitae, (Thuja occidentalis).*

This tree has a considerable value for growing fence posts, railway ties, and telephone poles, where the more valuable and faster growing chestnut, catalpa, and locust are not hardy. It also has a virtue in growing on lands too wet for most other purposes. It is a useful ornamental tree and although of too slow growth to be recommended for windbreak purposes, except on soils too wet for the Norway spruce, it certainly forms an unexcelled windbreak when grown.

The seed may be very easily collected in October when the cones open, by placing a receptacle under the tree and striking the branches sharply with a stick. It should be cared for and planted as directed for conifers generally.

THE LARCHES.

18. *American Larch or Tamarac (Larix americana).*

19. *European Larch (Larix europea).*

The Larches are rapid growing trees and their wood is strong and durable and in demand for many purposes. The native larch is adapted to very moist, even wet soils, and does very well in mixture with the white cedar, the latter serving the valuable purpose of a soil cover. The European species is an upland tree, but resembles our species in growth habits and qualities of timber.

The ravages of the larch saw fly has in recent years been such that it is doubtful if either species can be used with safety in Ontario.

Its propagation from seed is the same as that for other conifers, but it may be transplanted at the end of the first year if the seedlings are vigorous instead of at the end of the second year as recommended for most conifers.



## THE FARMER'S WOODLOT.\*

By J. F. CLARK, PH. D.

## I. SOME WORDS OF ENCOURAGEMENT FOR THE PRESENT AND PROSPECTIVE WOODLOT OWNER.

The importance of giving more attention to the care of the farmer's woodlot is becoming every year more evident as the price of fencing materials and other wood supplies required by the farmer increases, and the available supplies of merchantable timber decrease. The last few years have also witnessed an awakening in regard to the value of the farmer's woodlot as a source of fuel. In many parts of Ontario the people have learned that in the event of a snow blockade or a coal strike, the local supply of wood fuel is the only thing which stands between them and actual suffering. It is also appreciated that while under normal conditions coal must form the bulk of the fuel in the immediate future in Western Ontario, some wood fuel is needed in almost every home for the greatest comfort.

It is perhaps of sufficient interest to point out here the fact that we are already very largely dependent for our hardwood supplies on importations from the United States, and that the hardwood supplies of that country are being depleted, notwithstanding a regular and rapid advance in price, at an alarming rate. The United States one hundred years ago possessed in its eastern and Mississippi Valley forests by far the finest and largest supplies of hardwoods in the world. In fact the only other areas of similar timber which were of real importance in the world's supply were those of Western Ontario, small portions of Bavaria and Austria and the Amoor Valley in Northern China. The only portion of these hardwood areas which is of importance to us is of course that of Western Ontario, and as we all know, these supplies are all but exhausted. The supplies available in the United States, while very greatly reduced, are still large, but as practical forestry is as yet in its infancy in that country, while on the other hand its consumption of hardwood saw-timber is rapidly increasing and exceeds that of the rest of the world, it is evident that there is no relief in sight in the matter of hardwood prices, and that the man who owns hardwood stumpage will reap a due reward. I might add that the outlook for the grower of white pine is not less encouraging.

I have emphasized the prospect of greatly increased prices for the products of the woodlot in the near and distant future, as being one of the most encouraging features of the woodlot situation for it is of little use to urge better methods if the financial outlook be not encouraging.

It is a common error to suppose that the *results* of caring for the woodlot are so long in coming that it is almost hopeless for anyone to reap the reward of better methods in an ordinary lifetime. Nothing could be more erroneous. It is often possible with a change to better methods to increase the annual net production of wood on an acre of woodlot from one-fifth or one-third of a cord of wood to fully two-thirds or three-fourths of a cord or even more in five or six years. Where there is no woodlot and a plantation must be made, the time required for returns is naturally longer, but even here it is possible for farmers to receive a cash return in from eight to twenty years according to the needs to their local market, and the practicability of using fast growing species. I have known, for instance, of a

---

\*Originally published in *Farmer's Advocate* of London, Ontario.

Catapla plantation which at twelve years showed a net value of \$315.00 per acre in posts and stakes while the cost of planting, cultivation and other care, and the rent of the land for the twelve years amounted to less than \$57.00. This leaves a margin of profit which was considered a very satisfactory return by the owner even for the first class agricultural land which was used for this plantation. This is doubtless a very favorable case, and could only be realized in Southwestern Ontario where the Catalpa may be safely grown on a commercial scale, and on first-class soils. Much the more common rule will be and should be to utilize the poorer portions of the farm for wood production. Even here, however, if the species used be suited to the climate and soil, and proper care be taken of the plantation, a net return of from \$3.00 to \$10.00 per acre and year may be confidently anticipated in the growing of fence post stock at present prices, and at longest the full return should be enjoyed within twenty years, while a portion of it will be available at a much earlier period. In many cases the average annual return would be materially increased, possibly doubled, by holding the best trees for a longer period for the production of railroad ties and telephone poles.

Aside from its value as a producer of fuel, of saw timber, and of fencing stock, the woodlot may if wisely located, prove of the utmost value as a windbreak for field and orchard crops and for the home. In the case of the crops its value will be greatest in conserving the moisture of the soil by breaking the sweep of the drying winds and by preventing damage by mechanical injury or by winter killing by frost. The greatest value of the windbreak for the barns, the barnyard, and the home will be found in a lessened demand for food by the stock and fuel for the house and the greater comfort experienced by man and beast in moving about the barnyard during the winter months.

## II. SOME COMMON WOODLOT DEFECTS AND WHAT MAY BE DONE BY WAY OF REMEDY.

The defects here discussed may best be grouped into two divisions according as they have an influence on the character and composition of the stand of trees, or on the rapidity of their growth.

That most woodlots should contain many trees of comparatively worthless kinds and also many crooked, hollow and otherwise defective specimens of the better species, is easily understood when we recall that the common practice of the average farmer has been for many years to select the better trees for removal from time to time leaving the less valuable in possession of the soil to make what growth they can and to reproduce their inferior kind in the openings made by the removal of their better neighbors. That such a method of making cuttings must finally lead to the practical extermination of all valuable trees on the ground is perfectly evident. The remedy is also evident, viz.; to reverse the policy and spend some years removing the weed trees wherever they are interfering with the growth of better trees. This is what is known as an "improvement cutting."

In making an improvement cutting it is of the utmost importance to first remove any inferior trees which are interfering with the development of better neighbors either by shading them or by mechanical injury by whipping during wind storms. Having removed such as are actively injurious, all hollow, dry-topped, leaning, and otherwise defective trees should come next in line for removal. Such trees rarely contain any wood of value for other than fuel purposes, and in many if not most cases the

amount of sound wood possessed is decreasing year by year, the annual increasement by growth being offset or more than offset by the annual progress of decay. Still another class should be removed as the farmer may be able to use more firewood. I refer to such sound trees as are of comparatively little value because of inferior form or species. Many trees do not and cannot produce wood having a high value because of crooked, forked, or knotty trunks, or because the kind of tree is incapable of producing wood having any appreciable value other than as firewood. To this latter class belong such weed trees as the hop hornbeam and the blue beech. All such trees should be removed from the woodlot as rapidly as they can be utilized to advantage, and their places filled by more rapid growing, more generally useful, and hence more valuable trees.

The woodlot stand is very frequently defective in being too open. Not infrequently farmers with the best interests of their woodlots at heart have through ignorance overcut their woodlands. The result, especially if aggravated by grazing, is very serious in inducing unfavorable conditions as regards the soil moisture and in permitting the lower parts of the crowns of the trees to develop at the expense of their growth in height. In extreme cases it results in the death of the trees at the tops. A fuller discussion of the limitations of thinning must, however, be deferred till a later paper.

In many, perhaps most, cases the culling process by means of which the better trees are removed has been accompanied by the grazing of the woodlands by live stock. Thus while the valuable trees have been decimated by the ax, the grazing has prevented any development of younger stock to take their places. If this double process has been long continued the result is that the woodlot contains only inferior trees and entirely lacks anything better in the way of young trees to take the place of the present stand if it were removed. In such an extreme case, and they are unfortunately only too common, remedial measures will be only partially successful or wholly in vain. The proper treatment in such cases is to cut a portion of the woodlot clean year by year as the wood may be utilized to advantage, and reforest the area cleared each year by planting with desirable species. This clean cutting should proceed from the east side so that trees unaccustomed to exposure to heavy westerly gales will not be endangered by unnecessary exposure. An additional advantage will be that the remaining portion of the old stand lying to the west of the portions planted will provide a much desired windbreak for the young plantation.

The second series of defects which we shall discuss relate to the *rapidity of growth* in a woodlot. If we leave aside artificial fertilization of the soil and irrigation, both of which are not to be thought of in connection with timber growing, there are no conditions conceivable which are more favorable for *rapidity of growth* than obtain in a dense natural forest. To be sure in such a forest the natural decay must on the average completely offset the annual growth, and much of the growth will be found on inferior trees, but taking the amount of cubic feet or pounds of wood which are annually produced by the growing trees as the test, ideal natural conditions excel all others as wood producers. It is therefore the forester's or the farmer's aim to bring about those conditions as nearly as may be and by the judicious use of the ax in the removal of inferior and defective trees to see that the annual growth of wood is being added to the best trees which on being favored by the removal of inferior neighbors will quickly occupy all available space.



The chief features of these ideal natural conditions which we so much desire in the woodlot are: (a) a mulch of leaves which lies everywhere evenly over the surface of the soil preventing the growth of moisture-robbing weeds and grasses, and also any considerable direct evaporation from the soil, and which by their eventual decay amply fertilize the soil. (b) The absence of any considerable motion of the air within the forest, thus preventing undue loss of moisture. (c) The pressure of an undergrowth which shades the soil from the light, aids in protecting it from the wind, and assists in retaining in place the natural leaf mulch. The practical method of accomplishing all this is very simple, viz.: Keep the wind and all live stock out of the woods and dibble in nuts and acorns or plant seedling trees in any openings where on account of previous errors the natural seeding has failed. The keeping of the wind out of the woodlot is not an easy matter, especially where the area is small. In some cases it will be sufficient to leave the margins as dense as possible, removing only the very defective and injurious trees in these parts. In many cases, however, where the woodlot stand is composed of hardwoods it will be necessary to plant a marginal windbreak along the south and west sides and preferably along the north side as well. For ordinary soil in Ontario no tree excels the Norway spruce for this purpose. On a very light soil white pine will be preferred, while on a wet soil the white cedar or arborvitae will be the choice.

### III. THE GRAZING OF WOODLOTS.

The grazing of woodlands by live stock is always more or less injurious. The amount of injury inflicted in any particular case will depend on the kind of live stock grazed, the relative abundance or scarcity of food, the character of the soil, the age of the stand, and the kind of trees.

Grazing may be injurious in two distinct ways:—

1. In destroying more or less completely the natural reproduction of young trees on which the future of the woodlot depends and
2. In influencing adversely the moisture conditions obtaining in the soil, and thereby diminishing the rate of growth of the trees.

Every one who has observed a heavily grazed woodlot must have noticed an absence of young trees which are so necessary to replace the mature trees which are removed from time to time. If the woodlot has not been so heavily grazed there may be a fair representation of younger trees present, but on examination they will be found to consist largely of the inferior kinds. It is a point of prime importance that all kinds of live stock prefer the foliage of such valuable trees as the tulip (whitewood), basswood, chestnut, maple, ashes, and oaks to that of the hop-hornbeam, blue beech, sassafras, beech, thorn, and the like, and wherever grazing is practised at all the young trees of the best species will suffer greatly, thus giving an undue advantage to the more worthless kinds.

The injury done the reproduction in a broad leaved (hardwood) stand, is much greater than where the stand is of conifers for the reason that domestic animals do not as a rule willingly browse on the foliage of evergreens. The injury is very great, nevertheless, even where the stand is coniferous, in that the young trees during their first two or three years are so tiny and resemble the grass in which they are growing so closely that they are unintentionally eaten in large numbers. Many others are destroyed by the treading of the stock, the presence of which also makes for unfavorable conditions for germination of the seeds.

An adequate supply of available moisture is the point of greatest importance in determining the quality of any soil for tree growth. That



grazing is very effective in reducing the amount of available moisture in a soil may best be shown to the eye by examining a woodlot in which the trees grew to their full height under natural conditions and which was subsequently grazed. Under these circumstances it will be found that many of the trees which should still be in their prime are dying at the top. It is also a fact that their vigor of growth is greatly impaired. This, however, is not at all evident to the eye, for no one can without a series of very careful measurement determine how much wood is annually produced on an acre, and no farmer has either the knowledge or the skill to make such a determination.

It may be stated in general terms that few woodlots which have been grazed for ten years produce more than half their natural yield of wood, and the longer the grazing be continued the less will be the annual product. Many woodlots which have been heavily grazed for twenty-five or thirty years are yielding to-day less than one-third of their former production.

This injury to the soil moisture is due to the destruction of the young trees and other undergrowth which is needed to act as a soil cover and to the injury caused by the treading of the soil by the animals.

The destruction of the undergrowth allows much light to reach the soil with the result (a) that it becomes clothed with grasses and other moisture robbing weeds: (b) This light also gradually but certainly lessens the humus in the soil and thereby its moisture-holding capacity, and (c) by raising the soil temperature increases the amount of moisture directly evaporated. The destruction of the undergrowth also admits the wind to the soil, drying it out by direct evaporation and robbing it of its natural mulch and fertilizer, the fallen leaves, by blowing them from the exposed parts into irregular piles or as often happens entirely out of the woodlot.

The treading of the soil by the stock largely destroys the mulch value of the fallen leaves and compacts the surface of the soil and thereby greatly increases the surface run-off during heavy summer showers. The importance of this latter point will be appreciated when it is recalled that during the dry seasons a considerable proportion of the precipitation occurs in the form of thunder showers.

Sheep are more destructive in the woodlot than horses, and horses than cattle. The fine-wool sheep are more destructive than the coarse-wooled breeds. Hogs are not injurious except when the nuts and acorns, of which they are very fond, are needed to secure a reproduction, in which case they should be excluded for a few years till the young trees are well established.

#### IV. TREE PLANTING ON THE FARM.

How to plant a tree properly is something that every farmer should know. It is equally important that the farmer know what tree to plant and where to plant it. But first of all he must know how to get the tree he is to plant.

##### *Securing of Planting Stock.*

There are at present two ways in which a farmer may get planting stock. One is to purchase from a nursery, the other is to grow it from seed himself. Neither of these ways is satisfactory. The nurseries as a rule provide good planting stock but in recent years the demand for such stock has so far out-run the supply that exorbitant prices are being asked for desirable material. For example in 1903 the leading nurseries

growing forest trees quoted three-year, once-transplanted white pine stock at from \$15.00 to \$45.00 per thousand. Inasmuch as about 1,700 trees are required to properly plant an acre of white pine, the cost of planting material alone would amount to \$25.00 to \$75.00 per acre, a cost which even at the lower figure is practically prohibitive for woodlot planting. Such planting stock can be produced on a large scale at a cost not exceeding \$3.00 per thousand. The fact is that the nurseries are not as yet to any great extent in the business of growing trees for planting on a large scale. They have been accustomed to catering to a trade which purchases by the dozen or by the hundred rather than by the thousand and the ten thousand.

The growing of good planting stock by the farmer himself is quite practicable, provided the farmer is a fair gardener. Many broad-leaved trees can be grown in the farmer's kitchen-garden as easily and as satisfactorily as a crop of onions. There is in fact little difficulty in growing any of our broad-leaved trees provided the farmer has a supply of good seed. The conifers are more troublesome, for they must be shaded more or less from the direct sunlight during the first summer, are more liable to "damping off" in the seed-bed, and must in most cases be cared for for three years before they are ready to be set out in the permanent plantation. As a matter of fact few farmers have in the past undertaken the propagation of trees from the seed, and at best only a very partial solution of the problem can be hoped for in this way. Such farmers as are interested in the home production of their planting stock will find the matter discussed in detail in an accompanying article.

Fortunately the governments of several States and the Province of Ontario have become alive to the importance of this question and have adopted the policy of state nurseries. There is no way in which a government can be of greater practical assistance to the farmers in the improvement of their woodlands than by providing for them a high quality of planting stock of the species of trees best adapted to the different localities at a reasonable price with full instructions for their planting and care. In pursuance of this policy the Ontario Government has already established a nursery at the Ontario Agricultural College at Guelph.

At the 1904 meeting of the Experimental Union at Guelph, the Hon. John Dryden, Minister of Agriculture, intimated that it was the intention of the Government to distribute the planting stock produced in the Provincial nurseries at cost of production to such farmers as will undertake to carry out the instructions of the practical forester who will have charge of the work in regard to the preparation of the soil, the planting of the trees, and the after care of the plantation. This policy should in a few years make the best of planting stock available to such farmers as are really in earnest in the matter of improving or extending their woodlands.

#### *What to Plant.*

What tree or trees to plant is a large question. To answer it one must consider the climate, the soil, the market, and the object of the plantation. To discuss these features fully and their practical bearing in making a choice from the twenty or more valuable trees which may be grown to advantage in the constituency of the *Farmer's Advocate* would require more space than is at my disposal. Briefly, farmers plant trees for wind-breaks, for the production of timber, and of fencing stock. The production of fuel is usually secondary, the inferior trees and the tops being used for that purpose. Trees may also be planted for shade and for ornament.

For wind-breaks on the great majority of soils, and whether for protection for the orchard and field crops from drying summer winds or the home, the stables and the barnyard from the force of the winter storms, the Norway spruce is unexcelled. It is hardy, long-lived, wind-firm, dense foliated, and a rapid grower. On a very light soil the white pine will be given the preference, and if the soil be very moist the white cedar (*arbovitae*) will be the choice.

Different species will be used to the advantage in different parts for the production of fencing stock. The hardy catalpa on rich soils and the chestnut on poorer soils, especially where the subsoil be gravelly, will be found very useful as far north as the 43rd degree of latitude. The black locust may be used as far north as the 44th degree for commercial planting. It is well adapted to poor soils, but is unfortunately so badly attacked by the locust borer in some localities that its use could not be recommended where the borer is known to be common. Of course these trees may be grown successfully in favored localities much farther north than the limits mentioned, but their use on a commercial scale beyond these limits is not recommended unless their success is assured by previous trial. The northern portion of the Province must depend on the white cedar and American larch (*tamarac*) on wet soils, and the European larch, and the banksian pine on the drier soils for post stock.

The growing of trees for timber admits of a wide range of choice. In the first rank, however, must be placed the King of trees, the white pine, on account of the rapidity of its growth, the value of its timber, and its ability to thrive on poor soils. The tulip (*whitewood*) although preferring a deep, warm soil of at least moderate fertility is exceedingly valuable on account of the high quality of its lumber and its rapidity of growth. The chestnut is a rapid grower and is very highly esteemed for the durability of its wood in contact with the soil, making it well suited for railway ties, telephone poles, etc. It is also in demand for interior finish, furniture, and other purposes. The qualities of the basswood are well known. It is a rapid grower, and although preferring a moist situation does fairly well on moderately dry soils. The Norway spruce is the finest of the spruces, being the most rapid in growth, the tallest, and being equal to any in quality of product. To these must be added the sugar maple, black cherry, red oak, the ashes, the hickory and the black walnut.

#### V. TREE PLANTING ON THE FARM (*Continued*).

(NOTE. Methods of planting, care of plantations, etc., discussed in the fifth paper as published in the *Farmers' Advocate*, are omitted here, the ground being covered in the article entitled Propagation of Trees by Farmers, see p. 13).

#### VI. PROPAGATION BY COPPICE AND CUTTINGS. PLANTING OF SHADE TREES.

##### *Renewing the stand by coppicing.*

All broad-leaved trees have a greater or less ability to sprout from the stump when cut down as all farmers well know, not infrequently to their sorrow. This sprouting capacity may be used with entire satisfaction for reproducing the stand in the case of the catalpa, locust, chestnut, basswood and soft maple if certain precautions are taken in making the cutting. In the case of other trees the seedling growth is so much superior to the sprout growth that this manner of renewing the stand cannot be recommended.



For the best results the trees must be cut during the dormant season. Stumps should be cut as low as practicable—preferably with an ax—and should present a clean slanting surface, convex upward in order to shed the water readily and thus retard decay until the sprouts have become thoroughly established. Low stumps cause the sprouts to originate close to the ground. This makes them much less liable to be broken from the stump by snow, ice, or wind and enables them to early become independently rooted. In a wood-lot which requires 14 years from the seed for a full crop of catalpa or locust fence posts, a second crop of equal quality may be expected in 12 years from the sprout growth if the first crop be properly cut. The species mentioned above may be reproduced in this way almost indefinitely once a good stand has been established by planting.

#### *How Fast Wood Grows.*

Many farmers have not the least idea how much wood may be expected to grow on an acre in a year. It is an important point, for one must have some idea of the limits if plans are to be intelligently made. Measurements of the annual growth are of course entirely out of the question for any farmer.

The capacity for wood production of the different soils varies exceedingly according to the available moisture supply. Different species of trees also vary very greatly in their capacity to produce wood on the same soil. It is therefore only possible to indicate here very roughly some limitations. It is a generally safe rule to say that the softer the wood the more rapid the growth. The white pine, Norway spruce, and the poplar family are our most rapid producers, and on soils favorable to their growth will produce as much as one and one-half cords of wood per acre and year. A number of the more valuable broad-leaved trees such as the tulip (whitewood), the basswood, and the chestnut will on fairly good soils produce more than a cord of wood per acre and year. The harder woods such as the hard maple, the oaks, hickories, etc. will hardly exceed three-fourths of a cord per acre and year on moderately favorable soils, and on poor soils the production may be reduced to one-half or even to one-third of a cord. It must be remembered that these figures refer in all cases to acres which are fully stocked by trees, i.e. have no open spots.









PHOTO BY J. F. CLARK.

A well managed White Pine woodlot in Norfolk County. The mature pines are removed as needed and their places are taken by the younger trees, which are everywhere present from natural seeding.







PHOTO BY J. F. CLARK.

A remnant of the virgin forest in Huron County in the form of a well cared for woodlot. Note the abundant reproduction of young trees carpeting the ground, protecting the soil and ready to replace the mature trees when cut.







PHOTO BY J. F. CLARK.

A Brant County woodlot on which the mature timber has been cut with judgment and care. Note the low stump, absence of injury to immature timber, and presence of seedlings which will quickly fill the gap caused by the removal of the mature trees.





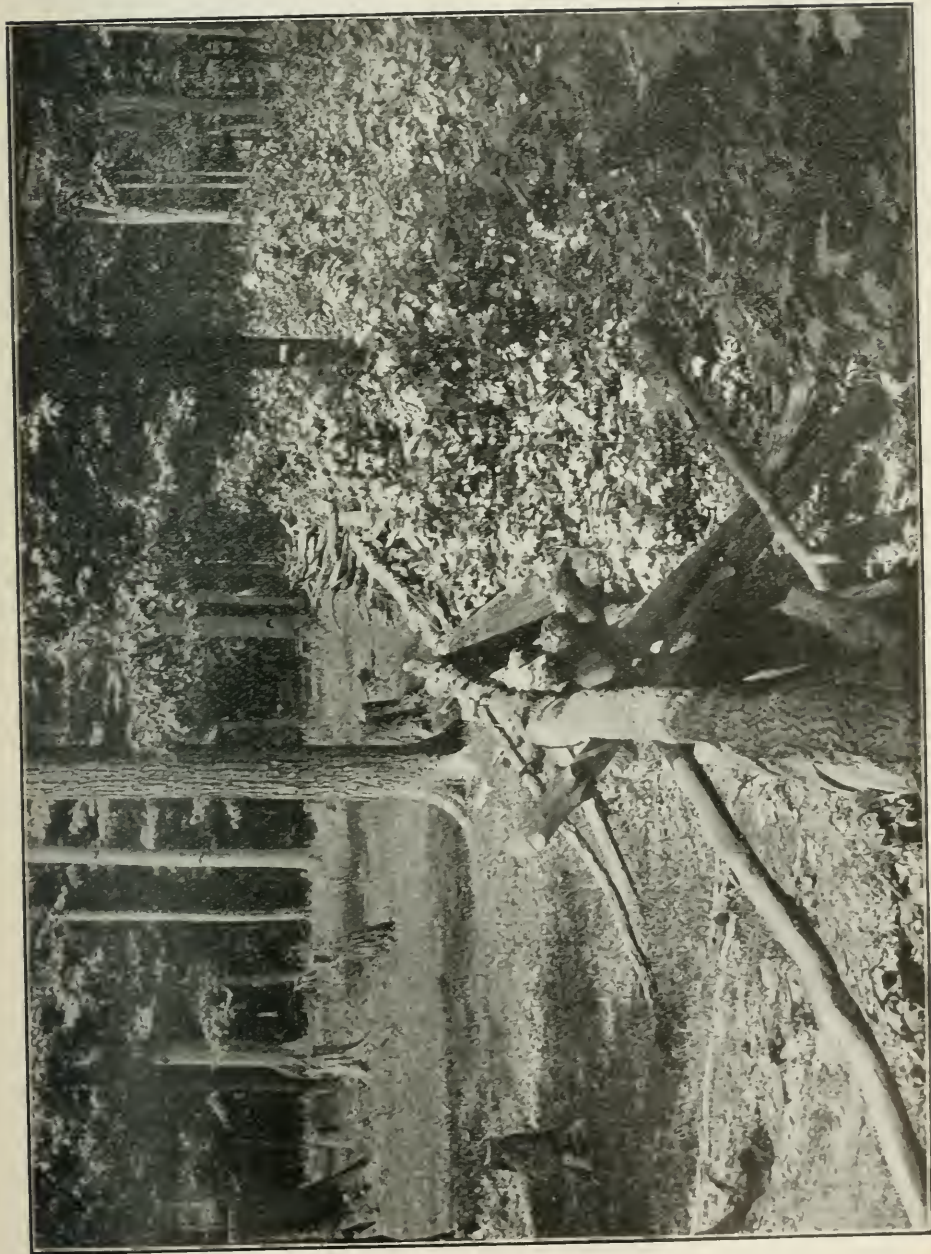


PHOTO BY J. F. CLARK.

A line fence between two Huron County woodlots. The woodlot on the left has been grazed for many years. All live stock have been excluded from the woodlot on the right for nine years, with the result that the conditions favoring rapid growth of the trees present have been re-established.





COURTESY U.S. FOREST SERVICE.

PHOTO BY J. F. CLARK.

The injury to this woodlot by grazing is seen in the absence of any young trees to fill up the gaps in the stand, and in the dead tops of a majority of the trees present—a result of the unfavorable moisture conditions induced by grazing.







COURTESY OF U.S. FOREST SERVICE.

PHOTO BY J. F. CLARK.

A young woodlot fairly well stocked with good trees but growing very slowly because of the unfavorable moisture conditions caused by the destruction of the undergrowth by grazing, and lack of marginal windbreak.





COURTESY U.S. FOREST SERVICE.

PHOTO BY J. F. CLARK

An open spot in a woodlot which was previously heavily grazed, but from which the live stock have been excluded for eleven years. This shows how quickly a woodlot recovers without other assistance than fencing when seed trees are near by and the ground has not become closely sodded over.







PHOTO BY J. F. CLARK.

Sand dune on abandoned farm in Norfolk County. Orchard in background is buried 12 feet deep. This land is admirably adapted to the growing of White and Norway pine and black locust, but is wholly unsuited for agriculture.





PHOTO BY J. F. CLARK.

Normandale "Plains," Norfolk County. These lands when first cleared produced good crops for a few years, but rapidly deteriorated and have been finally abandoned. They are well adapted for reforestation.







COURTESY U.S. FOREST SERVICE.

PHOTO BY J. F. CLARK.

Natural reproduction of white pine from seed trees. The larger tree standing among the young pines should be removed, for being so much ahead of its neighbors it will have many large branches and consequently very knotty lumber.





COURTESY U.S. FOREST SERVICE.

PHOTO BY J. F. CLARK.

A light easily washed soil, suitable for forest growth only.







The end of the wood lot. A common sight in many parts of Ontario.

PHOTO BY J. F. CLARK.















