CANÁDA

REPORT

OF THE

MINISTER OF PUBLIC WORKS

ON THE

WORKS UNDER HIS CONTROL

FOR THE

FISCAL YEAR ENDED MARCH 31

1918

Submitted in Accordance with the Provisions of Chapter 39, Section 34, of the Revised Statutes of Canada.

PRINTED BY ORDER OF PARLIAMENT



OTTAWA J. de LABROQUERIE TACHÉ PRINTER TO THE KING'S MOST EXCELLENT MAJESTY 1918

[No. 19-1919.]



To His Excellency the Duke of Devonshire, K.G., P.C., G.C.M.G., G.C.V.O., etc., etc., Governor General and Commander in Chief of the Dominion of Canada.

I have the honour to lay before Your Excellency the Report of the Department of Public Works of Canada, for the fiscal year ended March 31, 1918.

I have the honour to be, sir,

Your Excellency's most obedient servant,

F. B. CARVELL,

Minister of Public Works.

OTTAWA, December 14, 1918.

111

.

CONTENTS.

REPORTS OF :--

DEPUTY MINISTER.

CHIEF ARCHITECT.

CHIEF ENGINEER.

GENERAL SUPERINTENDENT OF TELEGRAPHS.

COLLECTOR OF REVENUE.

CHIEF ACCOUNTANT.

LAW CLERK.



ALPHABETICAL INDEX TO REPORT

	-	0	
Names of Places, etc.	Page.	Names of Places, etc.	Page.
ivaines of r laces, etc.	r age.	ivanies of rinces, etc.	rage.
A		в	
Abrahams Chute, Ont	113	Banff, Alta., bridge	118
	86	Bakers wharf, N.B.	109
Accountant's report	95	Bakers whaif, N.B. Banff, Alta., post office. Barachois de Malbaie, P.Q.	102
Acton Vale, P.O., public building	89	Barachois de Malbaie, P.Q	111
Acts of Parliament, etc.	157 106	Barrie, Ont., public buildings.	95 102
Advertising Agassiz, B.C., experimental farm.	100	Bassauo, Alta., postoffice Bass River, N.B.	10-102
Ainsworth, B.C	116	Bass River, N.S	107
Alberni, B. C., post office	104	Bass River, N.S. Bathurst, N.B., harbour.	11-109
Albert, N.B.	109	public building	88
Alberton, P.E.I. Alexandria, Ont., public building	8-109 95	Batiscan P.Q. Battleford, Sask., public building	16-111 101
	116	Baxters Harbour, N.S.	107
Almonte, Unt., public building	95	Bay of Fundy telegraphs	70-119
Andersons Hollow, N.B	109 95	Bayfield, Ont	113
Amherstburg, Ont., public building Amherst, N.S	107	Beach Point, P.E.I.	107
	86	Bear Cove, N.S. Bear River, N.S.	107
Anderson's Cove, N.S Annaudale, P.E.I.	107	Beaton, B.C	116
Annaudale, P. E. I.	109	Beaton, B.C. Beauharnois, P.Q., post office	89
Annapolis, N.S., public buildings	86 107	Beaumaris, Ont Beaver River, N.S	113 107
Anse à Beaufils, P.Q.	111	Belleville, Ont., post office	95
	111	" " wharf	113
	111	Belevil, P.Q.	111
au Griffon, P. Q St. Jean, P.Q.	111	Berlin (Kitchener), Out., public building Berthier (en bas), P.Q	97 111
Anticosti, P.O., telegraphs.	71-119	Berthierville, P.O	111
Anticosti, P.Q., telegraphs. Antigonish, N.S., public building	86	" public building	89
" wharf	107		111
Argenta, B.C. Arichat, N.S., public building.	116 86	Biggar, Sask., immigration building Big Bay Point, Ont.	101
wharf.	107	Bigelow Cut, P.Q.	1113
Arisaig, N.S.	107	Big George island, Man	33-115
	89	Big River, Sask., forestry office	101
Armes, Man.	115 113	Bindlays Landing, B.C. Black Lake, P.Q., post office.	116 89
Amprior, Out.	95	Black River, Ont	58-118
Arthabaska, P.Q., public building	89	Blaine, B.C., immigration building	101
Art Gallery zziz. Asbestos, P.Q., post office	93-158	Blenheim, Ont., post office	95
Asheroft, B.C., post office, etc.	89 104	Bluff Head, N.S. Bobcaygeon, Ont	107 113
Ashcroft-Dawson, telegraphs.	104	Bold Point, B.C.	113
Assiniboine river, Man.	115	Bold Point, B.C. Boularderie Centre, N.S	107
Athabaska Landing, Alta., public building	102	Bowmanville, Ont., public building.	95
Athens, Ont., post office.	95 104	Bracebridge, Out., post office	114 95
Aurora, Ont., post office.	95	wharf.	95
Aylmer, P.Q., post office	89	Brampton, Ont., public building.	95
Alymer, Ont., post office	95	Brandon, Mau., public buildings	99
в		Brantford, Ont., public buildings Browers Creek, P.Q	95
-13		Bridgeburg, Ont., public building.	111 95
Baddeck, N.S., public building	86	Bridgetown, P.E.I	9-109
" wharf	107	Bridgewater, N.S., public building	86
Baie du Vin, N.B.	109	Bridges and roads	60-118
Baile St. Paul, P.Q. Baileys Brook, N S. Baker's Point N.S.	111 107	Brighton, Ont., post office British Columbia, harbours and rivers.	95 116
Baker's Point N.S.	107	telegraphs	74-119

Names of Places, etc.	Page	Names of Places, etc.	Page
в		c	
<text></text>	80 70 115 111 111 111 111 111 111 111	Control of P. 9, public initialities. Collect of the period files. Collector of period files. Collector of stiles and beom dise. Collector of very the Collector of very the Collector of very the Collector of very the Collector of very the Control of the start of the Control of the	120 88 122 17-111 89 36-116 95 88-50 118 14 110 14 110 10 10 10 10 10 10 10 10 10 10 10 10
Chapesa, Que, Irday Chapesa, Que, Irday Charlotta town, P.E.I., public buildings. Charlotta town, M.B., public buildings. Chatham, N.B., public buildings. dredging	. 60 11 5 11 10 1 1	 Balhousie, N.B., dredging, public building, Dartmonth, N.S., public buildings Dartmin, Man., public buildings, Dear Island, B.C. 	11 8 8 9 36-11

INDEX

SESSIONAL PAPER No. 19

Name of Place, etc. Page Name of Place, etc. Page D <th></th> <th></th> <th></th> <th></th>				
Jo Jo Departmential dredging 94 Peakarst, Ock, public huilding 94 Peakarst, Ock, public huilding 96 Peakarst, Ock, public huilding 97 Peakarst, Ock, public huilding 98				
Jo Jo Departmential dredging 94 Peakarst, Ock, public huilding 94 Peakarst, Ock, public huilding 96 Peakarst, Ock, public huilding 97 Peakarst, Ock, public huilding 98		n		73
Lemments id redging. 29-14 Fast play. E. C 111 Descusses, N.S. 101 Fast play. E. C 111 Descusses, N.S. 101 Fast play. E. C 111 Descusses, N.S. 101 Fast play. E. C. 111 Descusses, N.S. 101 Fast play. R.S., public building. 105 Descusses, N.S. 101 Ferris, B.C., public building. 105 Dynam. Ray, R.C. 116 Fast play. R.S., public building. 106 Dynam. Ray, R.C. 116 Fast play. R.S., public building. 106 Double Landing. P.G. 116 Fast play. R.S., public building. 107 Double S.G., post office. 101 Fost Eland. N.S. 107 Prescher, Oat., post office. 101 Fost Eland. N.S. 107 Prescher, Oat., post office. 101 Frain Play. R.S., post office. 107 Dunch, B.C., post office. 101 Frain Play. N.S., post office. 107 Dunch, B.C., post office. 101 101 101 Dunch, S.C., post office. 101 101	Names of Places, etc.	Page	Names of Places, etc.	1'age
Lemments id redging. 29-14 Fast play. E. C 111 Descusses, N.S. 101 Fast play. E. C 111 Descusses, N.S. 101 Fast play. E. C 111 Descusses, N.S. 101 Fast play. E. C. 111 Descusses, N.S. 101 Fast play. R.S., public building. 105 Descusses, N.S. 101 Ferris, B.C., public building. 105 Dynam. Ray, R.C. 116 Fast play. R.S., public building. 106 Dynam. Ray, R.C. 116 Fast play. R.S., public building. 106 Double Landing. P.G. 116 Fast play. R.S., public building. 107 Double S.G., post office. 101 Fost Eland. N.S. 107 Prescher, Oat., post office. 101 Fost Eland. N.S. 107 Prescher, Oat., post office. 101 Frain Play. R.S., post office. 107 Dunch, B.C., post office. 101 Frain Play. N.S., post office. 107 Dunch, B.C., post office. 101 101 101 Dunch, S.C., post office. 101 101				
Lemments id redging. 29-14 Fast play. E. C 111 Descusses, N.S. 101 Fast play. E. C 111 Descusses, N.S. 101 Fast play. E. C 111 Descusses, N.S. 101 Fast play. E. C. 111 Descusses, N.S. 101 Fast play. R.S., public building. 105 Descusses, N.S. 101 Ferris, B.C., public building. 105 Dynam. Ray, R.C. 116 Fast play. R.S., public building. 106 Dynam. Ray, R.C. 116 Fast play. R.S., public building. 106 Double Landing. P.G. 116 Fast play. R.S., public building. 107 Double S.G., post office. 101 Fost Eland. N.S. 107 Prescher, Oat., post office. 101 Fost Eland. N.S. 107 Prescher, Oat., post office. 101 Frain Play. R.S., post office. 107 Dunch, B.C., post office. 101 Frain Play. N.S., post office. 107 Dunch, B.C., post office. 101 101 101 Dunch, S.C., post office. 101 101	The second			
Jerumanal, 19, 124, public building. 38 for al-faird, N.S. 37 107 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, N.S. 10 10 10 <td< td=""><td>D</td><td></td><td></td><td></td></td<>	D			
Jerumanal, 19, 124, public building. 38 for al-faird, N.S. 37 107 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, N.S. 10 10 10 <td< td=""><td></td><td></td><td></td><td></td></td<>				
Jerumanal, 19, 124, public building. 38 for al-faird, N.S. 37 107 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, N.S. 10 10 10 <td< td=""><td>Departmental dredging.</td><td>93-114</td><td>Fanny Bay, B.C.</td><td>116 89</td></td<>	Departmental dredging.	93-114	Fanny Bay, B.C.	116 89
Jerumanal, 19, 124, public building. 38 for al-faird, N.S. 37 107 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, N.S. 10 10 10 <td< td=""><td>Descousse, N.S</td><td>107</td><td>Farrington, B.C.</td><td>116</td></td<>	Descousse, N.S	107	Farrington, B.C.	116
Jerumanal, 19, 124, public building. 38 for al-faird, N.S. 37 107 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, N.S. 10 10 10 <td< td=""><td>Deseronto, Ont., public building</td><td>95</td><td>Father Point, P.Q.</td><td>111-119</td></td<>	Deseronto, Ont., public building	95	Father Point, P.Q.	111-119
Jerumanal, 19, 124, public building. 38 for al-faird, N.S. 37 107 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, N.S. 10 10 10 <td< td=""><td>Desjardins, P.Q.</td><td>60-118</td><td>Feitzeu South, N.S.</td><td>107</td></td<>	Desjardins, P.Q.	60-118	Feitzeu South, N.S.	107
Jerumanal, 19, 124, public building. 38 for al-faird, N.S. 37 107 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, N.S. 10 10 10 <td< td=""><td>Digby, N.S., public building</td><td>86</td><td>Fernie, B.C., public buildings</td><td>104</td></td<>	Digby, N.S., public building	86	Fernie, B.C., public buildings	104
Jerumanal, 19, 124, public building. 38 for al-faird, N.S. 37 107 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, N.S. 10 10 10 <td< td=""><td>Dimark Per P.C</td><td>107</td><td>Fighting Island, Ont.</td><td>114</td></td<>	Dimark Per P.C	107	Fighting Island, Ont.	114
Jerumanal, 19, 124, public building. 38 for al-faird, N.S. 37 107 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, N.S. 10 10 10 <td< td=""><td>Dipper Harbour, N.B</td><td>110</td><td>Flags.</td><td>106</td></td<>	Dipper Harbour, N.B	110	Flags.	106
Jerumanal, 19, 124, public building. 38 for al-faird, N.S. 37 107 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, N.S. 10 10 10 <td< td=""><td>Dodds Landing, P.Q.</td><td>- 111</td><td>Fords Mills, N.B</td><td>12-110</td></td<>	Dodds Landing, P.Q.	- 111	Fords Mills, N.B	12-110
Jerumanal, 19, 124, public building. 38 for al-faird, N.S. 37 107 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, N.S. 10 10 10 <td< td=""><td>Douglas B.C. immigration huilding</td><td>17-111</td><td>Forest Glen, B. C</td><td>37-116</td></td<>	Douglas B.C. immigration huilding	17-111	Forest Glen, B. C	37-116
Jerumanal, 19, 124, public building. 38 for al-faird, N.S. 37 107 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, N.S. 10 10 10 <td< td=""><td>Douglasstown, P.Q.</td><td>111</td><td>Fort William, P.Q.</td><td>28 111</td></td<>	Douglasstown, P.Q.	111	Fort William, P.Q.	28 111
Jerumanal, 19, 124, public building. 38 for al-faird, N.S. 37 107 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 Framerulle, P.Q., public building. 38 Duncan, B.C., post office 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, O.S. 10 10 10 Parlam, N.S. 10 10 10 <td< td=""><td>Dredging.</td><td>-43-118</td><td>Fort William, Ont.</td><td>23-114</td></td<>	Dredging.	-43-118	Fort William, Ont.	23-114
L Jack Jack Seede Ciffs, E.C. 11 Gage own, N.B. 11 Back Arges, P.G., pable building 19 Gage own, N.B. 10 Back Arges, P.G., pable building 19 Gage own, N.B. 10 Back Arges, P.G., pable building 19 Gage own, N.B. 10 Back Arges, P.G., pable building 10 Gage own, N.B. 10 Back Miller, S.S. 10 Gage own, N.B. 10 Gage own, S.B. 10 Gage own, S.B. 10 Back Miller, S.S. 10 Gage own, S.B. 10 Gage own, S.B. 10 Gage own, S.B. 10 Back Miller, S.S. 10 Gage own, S.B. 10 <	Dresden, Ont., post office	89	Fox Island N.S	107
L Jack Jack Seede Ciffs, E.C. 11 Gage own, N.B. 11 Back Arges, P.G., pable building 19 Gage own, N.B. 10 Back Arges, P.G., pable building 19 Gage own, N.B. 10 Back Arges, P.G., pable building 19 Gage own, N.B. 10 Back Arges, P.G., pable building 10 Gage own, N.B. 10 Back Miller, S.S. 10 Gage own, N.B. 10 Gage own, S.B. 10 Gage own, S.B. 10 Back Miller, S.S. 10 Gage own, S.B. 10 Gage own, S.B. 10 Gage own, S.B. 10 Back Miller, S.S. 10 Gage own, S.B. 10 <	Dry docks	54-83	Fraser River, B.C	37-116
L Jack Jack Seede Ciffs, E.C. 11 Gage own, N.B. 11 Back Arges, P.G., pable building 19 Gage own, N.B. 10 Back Arges, P.G., pable building 19 Gage own, N.B. 10 Back Arges, P.G., pable building 19 Gage own, N.B. 10 Back Arges, P.G., pable building 10 Gage own, N.B. 10 Back Miller, S.S. 10 Gage own, N.B. 10 Gage own, S.B. 10 Gage own, S.B. 10 Back Miller, S.S. 10 Gage own, S.B. 10 Gage own, S.B. 10 Gage own, S.B. 10 Back Miller, S.S. 10 Gage own, S.B. 10 <	Duck Mountain, Man., forestry office	99	Fraserville, P.Q., public buildings	89
L Jack Jack Seede Ciffs, E.C. 11 Gage own, N.B. 11 Back Arges, P.G., pable building 19 Gage own, N.B. 10 Back Arges, P.G., pable building 19 Gage own, N.B. 10 Back Arges, P.G., pable building 19 Gage own, N.B. 10 Back Arges, P.G., pable building 10 Gage own, N.B. 10 Back Miller, S.S. 10 Gage own, N.B. 10 Gage own, S.B. 10 Gage own, S.B. 10 Back Miller, S.S. 10 Gage own, S.B. 10 Gage own, S.B. 10 Gage own, S.B. 10 Back Miller, S.S. 10 Gage own, S.B. 10 <	Dundas, Ont., public building	95	Freeport, N.S.	107
L Jack Jack Seede Ciffs, E.C. 11 Gage own, N.B. 11 Back Arges, P.G., pable building 19 Gage own, N.B. 10 Back Arges, P.G., pable building 19 Gage own, N.B. 10 Back Arges, P.G., pable building 19 Gage own, N.B. 10 Back Arges, P.G., pable building 10 Gage own, N.B. 10 Back Miller, S.S. 10 Gage own, N.B. 10 Gage own, S.B. 10 Gage own, S.B. 10 Back Miller, S.S. 10 Gage own, S.B. 10 Gage own, S.B. 10 Gage own, S.B. 10 Back Miller, S.S. 10 Gage own, S.B. 10 <	Dundee, P.Q., custom house	89	French River, Ont.	
L Jack Jack Seede Ciffs, E.C. 11 Gage own, N.B. 11 Back Arges, P.G., pable building 19 Gage own, N.B. 10 Back Arges, P.G., pable building 19 Gage own, N.B. 10 Back Arges, P.G., pable building 19 Gage own, N.B. 10 Back Arges, P.G., pable building 10 Gage own, N.B. 10 Back Miller, S.S. 10 Gage own, N.B. 10 Gage own, S.B. 10 Gage own, S.B. 10 Back Miller, S.S. 10 Gage own, S.B. 10 Gage own, S.B. 10 Gage own, S.B. 10 Back Miller, S.S. 10 Gage own, S.B. 10 <	Durville, Ont., post office	95	Friars Head, N.S.	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	" N.B.		Find 8 Foldy 14.5	101
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $				
Egawith, Out., post office	Е		G	
Egawith, Out., post office	Kagle Cliff, B.C.	116	Gagetown X B	110
Egawith, Out., post office	Eagle Head, N.S	107	Gaft, Ont., public buildings	
Egawith, Out., post office	East Angus, P.Q., public building	89	Gananoque, Ont., public buildings	
Egawith, Out., post office	East La Have, N.S.	3	Gatineau River, P.Q.	58-118
Egawith, Out., post office	East Pubnico, N.S	107	Georgetown, P.E.I., public building	
Egawith, Out., post office	East Mitdle La Have N.S.	4-107	Georgeville P.O	109
Egawith, Out., post office	East Ship Harbour, N.S	107	" N.S	107
Egawith, Out., post office	East Templeton, P.Q	26.116	Georgian Bay Ship Canal, Commission	
Egawith, Out., post office	Ecum Secum, N.S.	107	Glace Bay, N.S., public building	86
Egawith, Out., post office	Edgetts Landing, N.B.	110	a ."	
Egawith, Out., post office	Edgewood, B.C	103	Glasters, N.B	
Egawith, Out., post office	Edmonton South, Alta., public building	103	Glencoe, Ont., post office.	96
Egawith, Out., post office	Edmundston N.P. immigration building	62-118	Goderich, Ont.	
Entwiside, Alta, immigrant building 103 Grand Bend, Ont			Gower Point, B.C.	116
Entwiside, Alta, immigrant building 103 Grand Bend, Ont	Eganville, Ont., post office	95	Grace Harbour, B.C	
Entwiside, Alta, immigrant building 103 Grand Bend, Ont	Elinira, Ont., post office	96	Graham, P. Q	
Entwiside, Alta, immigrant building 103 Grand Bend, Ont	Emerson, Man., public buildings.	99	Granby, P.Q., public building	89
Crond Pirror P.F.I. 109			Grand Bend, Ont	
Crond Pirror P.F.I. 109	Esquimalt, B.C., graving dock. 54-80	83-116	Grand Etang, N. S.	
Crond Pirror P.F.I. 109	Essex, Ont., public building	96	Grand Falls, N. B., post office	83
Crond Pirror P.F.I. 109	Estevan, Sask., post office.	101	Grand Forks, B.C., public building.	
Crond Pirror P.F.I. 109	Expenditure	121	Grand'Mere, P.Q., post office.	89
Crond Pirror P.F.I. 109			Grand Narrows, N. S.	
Crond Pirror P.F.I. 109	F		Grand River, bridge	
Fairbaven, N.B., post office, 110 Fairville, N.B., post office, 118 Falter, Alte, immigration building, 103 Granthums Landing, B.C., 116 Gravities, paid	-		Grand Dinor D F I	109
Falher, Alta., immigration building. 103 Gratuities, paid. 120	Fairhaven, N.B.	110	Grand Vallee, P.Q.	
	Falter, Alta., immigration building.	103	Gratuities, paid.	

Names of Places, ct	Page		
		Names of Places, etc.	Page
6			
		1	
Gravelbourg, Sask., public buildings.	101 80	Iberville, P.Q., public building	89
Graving docks	116	Ille aux Foins, P.Q.	18-112
Greenwood, B.C., post office	134	He Perrot, P.Q	112 112
Grimsby, Ont., post office	96	Derville, P.Q., public building He aux Coulers, P.Q. Ule aux Foins, P.Q. He Perrot, P.Q. He Verte, P.Q. Indian Head, Saak, public buildings- Indian Head, Saak, public buildings- Indexed Uax unblic buildings.	101
Graving Goels, E.C., post office Gravity, C.P., K.C., post office Granully, Ott., jost office. Granully, Ott., jost office. Granully, P.Q. Grondines, P.Q. Grondines, P.Q. Grosse, Rober, E.Q. Gravase, Today, Atta, Janda office, etc Gauchio, Ott., public hardwing	111	Ingersoll, Ont., public buildings. Invernere, B.C., experimental farm. Inverness, N.S	96 104
Grosse Isle, P.Q.	111	Inverness, N.S	5-107
Grosse Isle, P.Q	89-111 111	in public building	87 107
Grouard, Alta., lands office, etc	103		
Gronard, Alta., lands office, etc Guelph, Ont, public building Guysborough, N.S., public building.	96 86	J	
and the second s		James Island, B.C Jamesville, N.S.	116
		Johette, P.O., public buildings,	107 89
11		Jameseille, N.S. Johester, P.Q., public baildings. Jones Harbour, N.S. Jonquières, P.Q., post office Juniper Island, Ont	107 89
		Juniper Island. Ont	114
Ha-Ha Bay, P.Q.	18		
Ha-Ha Bay, P.Q. Haileybury, Ont Haleyon, B.C	114		
Hail Island Cove, N.S	107	Kaministikwia River, Ou	24
Hall Moon Day, D.C.	116	Kamouraska, P.Q	112
Haidax, N.S., public baiding- graving dock Hamilton, Ont	107	Kapuskasing, Out., experimental farm	96
Hamilton, Ont	26 14 96	Kammistikwan River, On Kammakapa, B.C., public buddinas Kamouraska, P.Q. Kopakasing, Out, experine utul fario Kely's Cover, N.S. Kengtrille, Ont., past office Kenora, Ont., public huiding.	905
Hammon, Om Hammond, B.C. Hammond, B.C. Hamwon, N.S. Hamwer, Ont., post office Hamwer, Ont., post office Harver, S.C.	116	Kenora, Ont., public huilding.	96 114
Hampton, N.B. public building Hampton, N.S.	107	Kenty de, N.S. , public buildings Kerybert, Sask., immigration building.	87
Haney, B.C	116 96	Kerobert, Sask., unnugration building. Kuba nev. Man	101
Harl or and river works	0.01.3	Killarney, Man Kincardine, Ont. post office Kingston, Ont.	27-114
Harbourdle, N.S Harriana bridge, P.Q	107 61	Kingston, Ont.	28 114
	96	public buildings.	96 80-114
Harriss, Ont. to according station Harriss, Ont. to according station Harriss, B. post office Hatzie, B.C.	96 88	Kingsville, Ont	114
Hatzie B.C	116	w post office . Kipowa dauc	97 56
Hawkeebury, Ont. public building	96 111	Kitchener (Berlin), Out., public burblings.	97
Hard of Chezzeteesk, N.S. dreelging Hend of Chezzeteesk, N.S. dre lging	107	Kutchener (Berlin), Out., public bunbling-, Knowlton, P.Q., public bundling, Kootenay, B.C	89 116
He is ler, Out, is stoffice	96	b mchibongnac River, N.B	12
He p ler, Ont., p = Coffice Hickeys wharf, P.E.I High Fills, P.Q. High River Alta, hards office	10+111	Kraut Point, N.S.	107
H h River Alta, Iau is office	103	L	
Hubbler ogh, N.B., post office	88 116	Lachine, P.Q., public building	89
Halst as ugh, N.B., post office H borg, B.C. Hurness, Man	: 1-115	Laclate, P.Q., public building	89
	1.6	Lachete, P.Q., public building Lacolle, P.Q., immigration office wharf	89
Hopewell Cape, N.B. Hoepital Bay, P.Q.	111	Lacombe, Alta., experimental farm.	103
Hudon, P.Q. Hudon Bay Jonet., Sol., forestry office	111 101	Ladner, B,C	38-116 105
Hull P.Q., wharf palm but here	111	Lakeford, Out, post office Lakefort, Out, - Lake St Louis, P.Q., Lake St Louis, P.Q.,	97
Hundred R. Susk , paths building	89 101	Lakeport, Out . Lake St. Louis P.O.	111 18 112
Huntingdon, P.Q. pest dhee	89	Lands leased Langley, B.C	118
Huntingdon, E.Q. post disc. Hunt's Point, N.S. Hurdy Peint, P.E.I.	107	Langley, B.C Lan-downe, Ont., post office	116

MeAdam Juntague P.E.L., public building 87 Building 87 Mont Joint Louis, P.Q., post offices 91 WetKay's Point, N.S. 110 Mont Joint Louis, P.Q., solid building 110 WetKay's Point, N.S. 110 Mont Joint Louis, P.Q., solid buildings 111 WetKay's Point, N.S. 110 Mont Joint Louis, P.Q., solid buildings 114				
L 31 Lamentine, P.Q. 19-11 Namerod, H.G., edite Including, 19-11 19-11 Lamentine, P.Q. 19-11 Namerod, H.G., edite Including, 19-11 19-11 Lamentine, P.Q., edite Including, 19-11 19-11 Namerod, H.G., edite Including, 19-11 19-11 Lamentine, P.Q., edite Including, 19-11 19-11 Namerod, H.G., edite Including, 19-11 19-11 Lamentine, P.Q., edite Including, 19-11 19-11 Namerod, P.G., edite Including, 19-11 19-11 Lamentine, P.Q., edite Including, 19-11 19-11 Namerod, P.G., edite Including, 19-11 19-11 Lamentine, P.Q., edite Including, 19-11 19-11 Namerod, P.G., edite Including, 19-11 19-11 Lamentine, P.Q., edite Including, 19-11 19-11 Namerod, P.G., edite Including, 19-11 19-11 Lamentine, P.Q., edite Including, 19-11 19-11 Namerod, P.G., edite Including, 19-11 19-11 Lamentine, P.R., edite Including, 19-11 19-11 Namerod, P.G., edite Including, 19-11 19-11 Lamentine, P.R., edite Including, 19-11 19-11 Namerod, P.G., edite Including, 19-11 19-11 Lamentine, P.R., edite Including, 19-11 19-11 <th></th> <th></th> <th></th> <th></th>				
L 31 Lamentine, P.Q. 19-11 Namerod, H.G., edite Including, 19-11 19-11 Lamentine, P.Q. 19-11 Namerod, H.G., edite Including, 19-11 19-11 Lamentine, P.Q., edite Including, 19-11 19-11 Namerod, H.G., edite Including, 19-11 19-11 Lamentine, P.Q., edite Including, 19-11 19-11 Namerod, H.G., edite Including, 19-11 19-11 Lamentine, P.Q., edite Including, 19-11 19-11 Namerod, P.G., edite Including, 19-11 19-11 Lamentine, P.Q., edite Including, 19-11 19-11 Namerod, P.G., edite Including, 19-11 19-11 Lamentine, P.Q., edite Including, 19-11 19-11 Namerod, P.G., edite Including, 19-11 19-11 Lamentine, P.Q., edite Including, 19-11 19-11 Namerod, P.G., edite Including, 19-11 19-11 Lamentine, P.Q., edite Including, 19-11 19-11 Namerod, P.G., edite Including, 19-11 19-11 Lamentine, P.R., edite Including, 19-11 19-11 Namerod, P.G., edite Including, 19-11 19-11 Lamentine, P.R., edite Including, 19-11 19-11 Namerod, P.G., edite Including, 19-11 19-11 Lamentine, P.R., edite Including, 19-11 19-11 <td></td> <td>1</td> <td></td> <td></td>		1		
Laprairie, P.Q. 19-12 Mackeed, Alta, public building, 16 LArdnin, S.Z. * making, M.G. 17 19 La Antein, S.Z. * making, M.G. 18 11 Mackeed, Alta, public building, 17 19 La Nater, P.Q. * 11 Mackeed, M.G., P.Q., telegraph, 11 La Nater, P.Q. * 11 Mackeed, M.G., P.G., telegraph, 11 Langer, P.G., epikle building, 11 Mackeed, M.G., Sk, public building, 10 Langer, P.G., experimental Langer, M.G., experimental Langer, P.G., experimental Langer	Names of Places, etc.	Page	Names of Places, etc.	Page
Laprairie, P.Q. 19-12 Mackeed, Alta, public building, 16 LArdnin, S.Z. * making, M.G. 17 19 La Antein, S.Z. * making, M.G. 18 11 Mackeed, Alta, public building, 17 19 La Nater, P.Q. * 11 Mackeed, M.G., P.Q., telegraph, 11 La Nater, P.Q. * 11 Mackeed, M.G., P.G., telegraph, 11 Langer, P.G., epikle building, 11 Mackeed, M.G., Sk, public building, 10 Langer, P.G., experimental Langer, M.G., experimental Langer, P.G., experimental Langer				
Laprairie, P.Q. 19-12 Mackeed, Alta, public building, 16 LArdnin, S.Z. * making, M.G. 17 19 La Antein, S.Z. * making, M.G. 18 11 Mackeed, Alta, public building, 17 19 La Nater, P.Q. * 11 Mackeed, M.G., P.Q., telegraph, 11 La Nater, P.Q. * 11 Mackeed, M.G., P.G., telegraph, 11 Langer, P.G., epikle building, 11 Mackeed, M.G., Sk, public building, 10 Langer, P.G., experimental Langer, M.G., experimental Langer, P.G., experimental Langer				
Laprairie, P.Q. 19-12 Mackeed, Alta, public building, 16 LArdnin, S.Z. * making, M.G. 17 19 La Antein, S.Z. * making, M.G. 18 11 Mackeed, Alta, public building, 17 19 La Nater, P.Q. * 11 Mackeed, M.G., P.Q., telegraph, 11 La Nater, P.Q. * 11 Mackeed, M.G., P.G., telegraph, 11 Langer, P.G., epikle building, 11 Mackeed, M.G., Sk, public building, 10 Langer, P.G., experimental Langer, M.G., experimental Langer, P.G., experimental Langer			And a second sec	
Laprairie, P.Q. 19-12 Mackeed, Alta, public building, 16 LArdnin, S.Z. * making, M.G. 17 19 La Antein, S.Z. * making, M.G. 18 11 Mackeed, Alta, public building, 17 19 La Nater, P.Q. * 11 Mackeed, M.G., P.Q., telegraph, 11 La Nater, P.Q. * 11 Mackeed, M.G., P.G., telegraph, 11 Langer, P.G., epikle building, 11 Mackeed, M.G., Sk, public building, 10 Langer, P.G., experimental Langer, M.G., experimental Langer, P.G., experimental Langer				
Lacalterie 7(2) 112 Manemerik, P. Q., Immigration office. 19 Leardiser, F.Q. 113 Manemerik, P. Q., Immigration office. 19 Leardiser, F.Q. 114 Market Creek, Sask, Julic building 10 Leardiser, F.M. 115 Market Creek, Sask, Julic building 10 Leardiser, F.M. 10 Market Creek, Sask, Julic building 10 Leardiser, F.Q. 115 Market Creek, Sask, Julic building 10 Leardiser, F.Q. 116 Market Sask, Julic Building, Julic Building, Sask, Julic Building, Julic Buildin	L		л	
Lacalterie 7(2) 112 Manemerik, P. Q., Immigration office. 19 Leardiser, F.Q. 113 Manemerik, P. Q., Immigration office. 19 Leardiser, F.Q. 114 Market Creek, Sask, Julic building 10 Leardiser, F.M. 115 Market Creek, Sask, Julic building 10 Leardiser, F.M. 10 Market Creek, Sask, Julic building 10 Leardiser, F.Q. 115 Market Creek, Sask, Julic building 10 Leardiser, F.Q. 116 Market Sask, Julic Building, Julic Building, Sask, Julic Building, Julic Buildin				
Lacalterie 7(2) 112 Manemerik, P. Q., Immigration office. 19 Leardiser, F.Q. 113 Manemerik, P. Q., Immigration office. 19 Leardiser, F.Q. 114 Market Creek, Sask, Julic building 10 Leardiser, F.M. 115 Market Creek, Sask, Julic building 10 Leardiser, F.M. 10 Market Creek, Sask, Julic building 10 Leardiser, F.Q. 115 Market Creek, Sask, Julic building 10 Leardiser, F.Q. 116 Market Sask, Julic Building, Julic Building, Sask, Julic Building, Julic Buildin	Tankin D.O.	10	N 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1
Lacalterie 7(2) 112 Manemerik, P. Q., Immigration office. 19 Leardiser, F.Q. 113 Manemerik, P. Q., Immigration office. 19 Leardiser, F.Q. 114 Market Creek, Sask, Julic building 10 Leardiser, F.M. 115 Market Creek, Sask, Julic building 10 Leardiser, F.M. 10 Market Creek, Sask, Julic building 10 Leardiser, F.Q. 115 Market Creek, Sask, Julic building 10 Leardiser, F.Q. 116 Market Sask, Julic Building, Julic Building, Sask, Julic Building, Julic Buildin	Laprairie, P.Q	19-112	Madeood, Alta, public building	
Lacalterie 7(2) 112 Manemerik, P. Q., Immigration office. 19 Leardiser, F.Q. 113 Manemerik, P. Q., Immigration office. 19 Leardiser, F.Q. 114 Market Creek, Sask, Julic building 10 Leardiser, F.M. 115 Market Creek, Sask, Julic building 10 Leardiser, F.M. 10 Market Creek, Sask, Julic building 10 Leardiser, F.Q. 115 Market Creek, Sask, Julic building 10 Leardiser, F.Q. 116 Market Sask, Julic Building, Julic Building, Sask, Julic Building, Julic Buildin	L'Ardoise N S	107	Magdalan Islands, P.O. tolagraphy	
Lacalterie 7(2) 112 Manemerik, P. Q., Immigration office. 19 Leardiser, F.Q. 113 Manemerik, P. Q., Immigration office. 19 Leardiser, F.Q. 114 Market Creek, Sask, Julic building 10 Leardiser, F.M. 115 Market Creek, Sask, Julic building 10 Leardiser, F.M. 10 Market Creek, Sask, Julic building 10 Leardiser, F.Q. 115 Market Creek, Sask, Julic building 10 Leardiser, F.Q. 116 Market Sask, Julic Building, Julic Building, Sask, Julic Building, Julic Buildin	La Have, N.S.	107	Magog P ()	
Lacalterie 7(2) 112 Manemerik, P. Q., Immigration office. 19 Leardiser, F.Q. 113 Manemerik, P. Q., Immigration office. 19 Leardiser, F.Q. 114 Market Creek, Sask, Julic building 10 Leardiser, F.M. 115 Market Creek, Sask, Julic building 10 Leardiser, F.M. 10 Market Creek, Sask, Julic building 10 Leardiser, F.Q. 115 Market Creek, Sask, Julic building 10 Leardiser, F.Q. 116 Market Sask, Julic Building, Julic Building, Sask, Julic Building, Julic Buildin	La Salette, P.O	112	" " public building	
Lacalterie 7(2) 112 Manemerik, P. Q., Immigration office. 19 Leardiser, F.Q. 113 Manemerik, P. Q., Immigration office. 19 Leardiser, F.Q. 114 Market Creek, Sask, Julic building 10 Leardiser, F.M. 115 Market Creek, Sask, Julic building 10 Leardiser, F.M. 10 Market Creek, Sask, Julic building 10 Leardiser, F.Q. 115 Market Creek, Sask, Julic building 10 Leardiser, F.Q. 116 Market Sask, Julic Building, Julic Building, Sask, Julic Building, Julic Buildin	L'Assomption, P.Q., public building	89	Malbaie, P.Q	
Laminero, Gan, andre and Santa	Lauzon, P.Q., dry dock		Malignant Cove, N.S.	
Level service Functional PA Particle are WSA. N.S. Ho Level service Functional PA Particle are WSA. N.S. Ho Commondille, V.R. 10 Marticle are WSA. N.S. Ho Commondille, V.R. 10 Marticle are WSA. N.S. Ho Commondille, N.R. 10 Marticle are WSA. N.S. Ho Common Wills, N.R. 10 Marticle are WSA. N.S. Ho Levels, P.Q. harbour 11 Marticle are WSA. N.S. Ho Levels, P.Q. harbour 11 Maryeville, N.R., public building. Ho are proving data. 10 Maryeville, N.R., public building. Ho are proving data. 80 Maryeville, Y.R., public building. Ho are proving data. 10 Maryeville, Y.R., public building. Ho Childred, N.R., public building. 10 Medice Mark, Ala., public building. Ho Stardy, P.R. K.B. 10 Medice, Stark, public building. Ho Medice, Stark, public building. Ho Childred, N.R., public building. 10 Medice, Stark, public building.	Lavaitrie, P.Q.			
Jennesevilie, P.V., Resterminella Izra. 98 Marreulie, P.V., Isolic hubble midding. 99 Jennesevilie, P.V., Robits hubbles, P.V., Isolic h	Leanington, Ont., whari		Maple Creek, Sask., public buildings	
Jennesevilie, P.V., Resterminella Izra. 98 Marreulie, P.V., Isolic hubble midding. 99 Jennesevilie, P.V., Robits hubbles, P.V., Isolic h	Legal services		Margaree N S	
Lei Pas, Man, Los differ, etc	Lennoxville, P.Q., experimental farm	89	Marieville, P.Q., public building	
Lei Pas, Man, Los differ, etc	Leonardville, N.B.		Maritime Provinces telegraphs	119
Linber, River, E.C. 38-110 Matagedia read. (1-1) Mangel, Derg, P.C. 38-110 Matagedia read. (1-1) Linber, R.V. 100 Weither, Matagedia read. (1-1) Linber, M.N. 100 Masser, B.C. (1-1) Linber, Sande, P.E.L. 100 Melits, Mass., post office (1-1) Lower Jond, N.S., public building. 101 Melits, Mass., post office (1-1) Lower Jong, R.G. 30 Melits, Mass., post office (1-1) Lower Jong, R.G. 30 Melits, Mass., post office (1-1) Conguedu, P.Q., public building. 30 Melits, Mass., post office (1-1) Conguedu, P.Q., public building. 30 Melits, Mass., post office (1-1) Conguedu, P.Q., public building. (10) Melits, Mass., post office	Le Pas, Man., post office, etc		Markham, Ont., post office	
Linber, River, E.C. 38-110 Matagedia read. (1-1) Mangel, Derg, P.C. 38-110 Matagedia read. (1-1) Linber, R.V. 100 Weither, Matagedia read. (1-1) Linber, M.N. 100 Masser, B.C. (1-1) Linber, Sander, P.E.L. 100 Melits, Mass., post office (1-1) Lower Jond, N.S., public building. 101 Melits, Mass., post office (1-1) Lower Jong, R.G. 30 Melits, Mass., post office (1-1) Lower Jong, Roch, R.C. 30 Melits, Mass., post office (1-1) Long Beach, R.C. 30 Melits, Mass., post office (1-1) Long State, R.C. 30 Melits, Mass., Post office (1-1) Lower Jones, R.M. 100 Melits, Mass. (10) Lo	Lethoridge, Alta., public buildings		Martins Head, N.B.	
Linber, River, E.C. 38-110 Matagedia read. (1-1) Mangel, Derg, P.C. 38-110 Matagedia read. (1-1) Linber, R.V. 100 Weither, Matagedia read. (1-1) Linber, M.N. 100 Masser, B.C. (1-1) Linber, Sander, P.E.L. 100 Melits, Mass., post office (1-1) Lower Jond, N.S., public building. 101 Melits, Mass., post office (1-1) Lower Jong, R.G. 30 Melits, Mass., post office (1-1) Lower Jong, Roch, R.C. 30 Melits, Mass., post office (1-1) Long Beach, R.C. 30 Melits, Mass., post office (1-1) Long State, R.C. 30 Melits, Mass., Post office (1-1) Lower Jones, R.M. 100 Melits, Mass. (10) Lo	graving dock		Mawon P.O.	
Linder Liver, L.S. 28-110 Matapetin read. (f-1) Linder Aller, pitte building. 15 Matapetin read. (f-1) Linder Aller, pitte building. 15 Mater, pitte building. 16 Met Corr, N.S. 160 Met Corr, N.S. 160 Met Corr, Stake, post office 160 Met Particle, Oat, post office 160 Met Particle, Nake, post office 160 Met Particle, Oat, post office 170 Met Particle, P.G. 180 Met Particle, Oat, post office 170 Met Particle, P.G. 180 Met Particle, Oat, post office 170 Met Particle, P.G., past office 190 Met Particle, Oat, post office 170<	" graving ucck		Matana P.O. rost office	
Landardy Out., pitter building. 5 Adstrop. B C. 10 Landardy Out., pitter building. 6 Adstrop. B C. 10 Light Harborn, N.S., 10 Medicine Hat, Alta, public building. 10 Sander, F.K., Man. 10 Medicine Hat, Alta, public building. 10 Sander, F.K., Man. 10 Medice, Task, and other factors. 10 Sander, F.K., Man. 10 Medins, Man., post office. 10 Comparation, N.S., public building. 10 Medins, Man., post office. 17 Coordinates, Saska, public building. 10 Medins, Man., post office. 17 Coordinates, Saska, public building. 10 Medins, Man., post office. 17 Coordinates, Saska, public building. 10 Medins, Man., post office. 17 Cong Beach, E.C. 30 Medina, Mar. 10 10 Cong Beach, E.C. 30 Medination, Out., post office. 10 Cong Beach, E.C. 10 Medina, Out., post office. 10 Cong Beach, E.C. 10 Medilareson, N. B. 10 <tr< td=""><td>Lilloet River, B.C</td><td>38-116</td><td>Matapedia road</td><td></td></tr<>	Lilloet River, B.C	38-116	Matapedia road	
Landardy Out., pitter building. 5 Adstrop. B C. 10 Landardy Out., pitter building. 6 Adstrop. B C. 10 Light Harborn, N.S., 10 Medicine Hat, Alta, public building. 10 Sander, F.K., Man. 10 Medicine Hat, Alta, public building. 10 Sander, F.K., Man. 10 Medice, Task, and other factors. 10 Sander, F.K., Man. 10 Medins, Man., post office. 10 Comparation, N.S., public building. 10 Medins, Man., post office. 17 Coordinates, Saska, public building. 10 Medins, Man., post office. 17 Coordinates, Saska, public building. 10 Medins, Man., post office. 17 Coordinates, Saska, public building. 10 Medins, Man., post office. 17 Cong Beach, E.C. 30 Medina, Mar. 10 10 Cong Beach, E.C. 30 Medination, Out., post office. 10 Cong Beach, E.C. 10 Medina, Out., post office. 10 Cong Beach, E.C. 10 Medilareson, N. B. 10 <tr< td=""><td>Lingan Beach, N.S.</td><td>107</td><td>" bridge</td><td></td></tr<>	Lingan Beach, N.S.	107	" bridge	
And Preference 10 Morganite, F.Q., post other. 90 Stards, F.E.L. 10 Morganite, F.Q., post other. 91 Liverp.od, N.S., public building. 10 Morlin, Max, post office. 101 Lower Jondy, N.S., public building. 10 Morlin, Max, post office. 101 Lower Jondy, N.S., public building. 10 Morlin, Max, post office. 101 Lower Jondy, N.S., public building. 101 Michiperiotan, Ort. 111 Lower Jondy, R.G. 30 Michiperiotan, Ort. 112 Long Beach, R.G. 30 Michine, Jont. 28 110 Long Beach, R.G. 30 Michine, Jont. 28 110 Long Beach, R.G. 30 Michine, Jont. 28 110 Long securit, P.Q., public building. 80 Mill Creek, N.R. 110 Corgenson, N.B. 100 Millerton, N.R., tothe building. 101 Corgenson, N.B. 100 Millerton, N.R., tothe building. 101 Corgenson, N.B. 100 Millerton, N.R., tothe building. 102		97	Matsqui, B.C	
And Preference 10 Morganite, F.Q., post other. 90 Stards, F.E.L. 10 Morganite, F.Q., post other. 91 Liverp.od, N.S., public building. 10 Morlin, Max, post office. 101 Lower Jondy, N.S., public building. 10 Morlin, Max, post office. 101 Lower Jondy, N.S., public building. 10 Morlin, Max, post office. 101 Lower Jondy, N.S., public building. 101 Michiperiotan, Ort. 111 Lower Jondy, R.G. 30 Michiperiotan, Ort. 112 Long Beach, R.G. 30 Michine, Jont. 28 110 Long Beach, R.G. 30 Michine, Jont. 28 110 Long Beach, R.G. 30 Michine, Jont. 28 110 Long securit, P.Q., public building. 80 Mill Creek, N.R. 110 Corgenson, N.B. 100 Millerton, N.R., tothe building. 101 Corgenson, N.B. 100 Millerton, N.R., tothe building. 101 Corgenson, N.B. 100 Millerton, N.R., tothe building. 102	Listowel, Ont., public buildings		Meat Cove, N.S.	
Lickingston Gove, N.S. 110 Wetchewin, B.C. 111 Opprimates, Sam, public building. 101 Metchewin, B.C. 114 London, Orb., public building. 101 Metchewin, B.C. 114 London, Orb., public building. 101 Metchewin, B.C. 114 London, Orb., public building. 101 Metchewin, N.R. 116 Long Kando, F.Q. 112 Mahmay, Orn., public building. 35114 London, Orb., public building. 103 Metchewin, N.R. 116 Lond's, Cove, N.B. 100 Millow, N.R. 116 Lond's, Cove, N.B. 100 Minaski, Vite, P.E.I. 116 London, N.R., Built building, Basen Covi, R.G. 116 Minaski, Mar., Public building, Basen Covi, R.G.	Litclineld, N.S.		Medicine Hat, Alta., public building,	
Lickingston Gove, N.S. 110 Wetchewin, B.C. 111 Opprimates, Sam, public building. 101 Metchewin, B.C. 114 London, Orb., public building. 101 Metchewin, B.C. 114 London, Orb., public building. 101 Metchewin, B.C. 114 London, Orb., public building. 101 Metchewin, N.R. 116 Long Kando, F.Q. 112 Mahmay, Orn., public building. 35114 London, Orb., public building. 103 Metchewin, N.R. 116 Lond's, Cove, N.B. 100 Millow, N.R. 116 Lond's, Cove, N.B. 100 Minaski, Vite, P.E.I. 116 London, N.R., Built building, Basen Covi, R.G. 116 Minaski, Mar., Public building, Basen Covi, R.G.	" Peupina River, Man		wharf	
Lickingston Gove, N.S. 110 Wetchewin, B.C. 111 Opprimates, Sam, public building. 101 Metchewin, B.C. 114 London, Orb., public building. 101 Metchewin, B.C. 114 London, Orb., public building. 101 Metchewin, B.C. 114 London, Orb., public building. 101 Metchewin, N.R. 116 Long Kando, F.Q. 112 Mahmay, Orn., public building. 35114 London, Orb., public building. 103 Metchewin, N.R. 116 Lond's, Cove, N.B. 100 Millow, N.R. 116 Lond's, Cove, N.B. 100 Minaski, Vite, P.E.I. 116 London, N.R., Built building, Basen Covi, R.G. 116 Minaski, Mar., Public building, Basen Covi, R.G.	" Sands, P. E. I		Melfort, Sask., post office	
Lickingston Gove, N.S. 110 Wetchewin, B.C. 111 Opprimates, Sam, public building. 101 Metchewin, B.C. 114 London, Orb., public building. 101 Metchewin, B.C. 114 London, Orb., public building. 101 Metchewin, B.C. 114 London, Orb., public building. 101 Metchewin, N.R. 116 Long Kando, F.Q. 112 Mahmay, Orn., public building. 35114 London, Orb., public building. 103 Metchewin, N.R. 116 Lond's, Cove, N.B. 100 Millow, N.R. 116 Lond's, Cove, N.B. 100 Minaski, Vite, P.E.I. 116 London, N.R., Built building, Basen Covi, R.G. 116 Minaski, Mar., Public building, Basen Covi, R.G.	Liverpool, N.S., public building			
Longueun, P.Q., public building. 80 Mill Creek, N.S. 100 Lord' Com, X. Multer, M. M. 20113 Milleren, N. M. 110 Lordy Com, X. Multer, M. M. Milleren, N. M. 110 110 Lordy Com, X. Multer, M. M. Milleren, N. M. 110 110 Lordy Com, X. Multer, M. M. Milleren, N. M. 110 110 Lordy Com, X. Multer, M. M. Multer, M. Multer, M. Multer, M. M. 110 111 Lordy Com, X. Multer, M. M. Multer, M. Mark, Ort. 114 111 Lordy Com, X. M. Multer, M. Mark, M. M. 114 114 Lordy Com, M. M. Multer, M. Mark, M. M. 114 114 Lordy Com, M. M. Multer, M. Mark, M. M. 114 114 Lordy Com, M. M. Multer, M. Mark, M. M. 114 114 Lordy Com, M. M. Multer, M. Mark, M. Mark, M. Mark, M. Mark, M. Multer, M. Mark, M. Mark, M. Mark, M. Multer, M. Multer, M. Mark, M. Multer, M. M	u u harbour			
Longueun, P.Q., public building. 80 Mill Creek, N.S. 100 Lord' Com, X. Multer, M. M. 20113 Milleren, N. M. 110 Lordy Com, X. Multer, M. M. Milleren, N. M. 110 110 Lordy Com, X. Multer, M. M. Milleren, N. M. 110 110 Lordy Com, X. Multer, M. M. Milleren, N. M. 110 110 Lordy Com, X. Multer, M. M. Multer, M. Multer, M. Multer, M. M. 110 111 Lordy Com, X. Multer, M. M. Multer, M. Mark, Ort. 114 111 Lordy Com, X. M. Multer, M. Mark, M. M. 114 114 Lordy Com, M. M. Multer, M. Mark, M. M. 114 114 Lordy Com, M. M. Multer, M. Mark, M. M. 114 114 Lordy Com, M. M. Multer, M. Mark, M. M. 114 114 Lordy Com, M. M. Multer, M. Mark, M. Mark, M. Mark, M. Mark, M. Multer, M. Mark, M. Mark, M. Mark, M. Multer, M. Multer, M. Mark, M. Multer, M. M	Livingston Cove, N.S.		Metchosin, B.C.	
Longueun, P.Q., public building. 80 Mill Creek, N.S. 100 Lord' Com, X. Multer, M. M. 20113 Milleren, N. M. 110 Lordy Com, X. Multer, M. M. Milleren, N. M. 110 110 Lordy Com, X. Multer, M. M. Milleren, N. M. 110 110 Lordy Com, X. Multer, M. M. Milleren, N. M. 110 110 Lordy Com, X. Multer, M. M. Multer, M. Multer, M. Multer, M. M. 110 111 Lordy Com, X. Multer, M. M. Multer, M. Mark, Ort. 114 111 Lordy Com, X. M. Multer, M. Mark, M. M. 114 114 Lordy Com, M. M. Multer, M. Mark, M. M. 114 114 Lordy Com, M. M. Multer, M. Mark, M. M. 114 114 Lordy Com, M. M. Multer, M. Mark, M. M. 114 114 Lordy Com, M. M. Multer, M. Mark, M. Mark, M. Mark, M. Mark, M. Multer, M. Mark, M. Mark, M. Mark, M. Multer, M. Multer, M. Mark, M. Multer, M. M	Locks and Donos		Mildle Island N P	
Longueun, P.Q., public building. 80 Mill Creek, N.S. 100 Lord' Com, X. Multer, M. M. 20113 Milleren, N. M. 110 Lordy Com, X. Multer, M. M. Milleren, N. M. 110 110 Lordy Com, X. Multer, M. M. Milleren, N. M. 110 110 Lordy Com, X. Multer, M. M. Milleren, N. M. 110 110 Lordy Com, X. Multer, M. M. Multer, M. Multer, M. Multer, M. M. 110 111 Lordy Com, X. Multer, M. M. Multer, M. Mark, Ort. 114 111 Lordy Com, X. M. Multer, M. Mark, M. M. 114 114 Lordy Com, M. M. Multer, M. Mark, M. M. 114 114 Lordy Com, M. M. Multer, M. Mark, M. M. 114 114 Lordy Com, M. M. Multer, M. Mark, M. M. 114 114 Lordy Com, M. M. Multer, M. Mark, M. Mark, M. Mark, M. Mark, M. Multer, M. Mark, M. Mark, M. Mark, M. Multer, M. Multer, M. Mark, M. Multer, M. M	London, Ont., public buildings		Middle River, N.S.	
Longueun, P.Q., public building. 80 Mill Creek, N.S. 100 Lord' Com, X. Multer, M. M. 20113 Milleren, N. M. 110 Lordy Com, X. Multer, M. M. Milleren, N. M. 110 110 Lordy Com, X. Multer, M. M. Milleren, N. M. 110 110 Lordy Com, X. Multer, M. M. Milleren, N. M. 110 110 Lordy Com, X. Multer, M. M. Multer, M. Multer, M. Multer, M. M. 110 111 Lordy Com, X. Multer, M. M. Multer, M. Mark, Ort. 114 111 Lordy Com, X. M. Multer, M. Mark, M. M. 114 114 Lordy Com, M. M. Multer, M. Mark, M. M. 114 114 Lordy Com, M. M. Multer, M. Mark, M. M. 114 114 Lordy Com, M. M. Multer, M. Mark, M. M. 114 114 Lordy Com, M. M. Multer, M. Mark, M. Mark, M. Mark, M. Mark, M. Multer, M. Mark, M. Mark, M. Mark, M. Multer, M. Multer, M. Mark, M. Multer, M. M	Long Bay, B.C.	38	Midland, Ont.	
Longueun, P.Q., public building. 80 Mill Creek, N.S. 100 Lord' Com, X. Multer, M. M. 20113 Milleren, N. M. 110 Lordy Com, X. Multer, M. M. Milleren, N. M. 110 110 Lordy Com, X. Multer, M. M. Milleren, N. M. 110 110 Lordy Com, X. Multer, M. M. Milleren, N. M. 110 110 Lordy Com, X. Multer, M. M. Multer, M. Multer, M. Multer, M. M. 110 111 Lordy Com, X. Multer, M. M. Multer, M. Mark, Ort. 114 111 Lordy Com, X. M. Multer, M. Mark, M. M. 114 114 Lordy Com, M. M. Multer, M. Mark, M. M. 114 114 Lordy Com, M. M. Multer, M. Mark, M. M. 114 114 Lordy Com, M. M. Multer, M. Mark, M. M. 114 114 Lordy Com, M. M. Multer, M. Mark, M. Mark, M. Mark, M. Mark, M. Multer, M. Mark, M. Mark, M. Mark, M. Multer, M. Multer, M. Mark, M. Multer, M. M	Long Beach, B.C		# post office	97
Lormoville, N. H. 110 Willwerten, Orse-Lormon, State Stat			Mildmay, Ont., post office	
Lormoville, N. H. 110 Willwerten, Orse-Lormon, State Stat	Longueun, r. Q., puone ouncong	89	Mill Creek, N.S.	
Lormoville, N. H. 110 Willwerten, Orse-Lormon, State Stat	Lord's Cove, N.B.		Mills Point N B	
Lormoville, N. H. 110 Willwerten, Orse-Lormon, State Stat	L'Orignal, Ont., post office		Milltown, N.B. public building	
n harbour improvements. 105 Minnebias, Man, public huiding. 100 Me Mission City, B.C. 117 Me Mannebias, Man, Public huiding. 118 Me Montager, F.L., public building. 119 Medonade, R.C. 116 Medonade, R.C. 118 Medias, R.C. 118 Metrareal Keyer, Gont, Bassan, B	" wharf		Milton, Ont., post office	97
n harbour improvements. 105 Minnebias, Man, public huiding. 100 Me Mission City, B.C. 117 Me Mannebias, Man, Public huiding. 118 Me Montager, F.L., public building. 119 Medonade, R.C. 116 Medonade, R.C. 118 Medias, R.C. 118 Metrareal Keyer, Gont, Bassan, B	Lorneville, N.B.		Milverton, Ont., post office	
n harbour improvements. 105 Minnebias, Man, public huiding. 100 Me Mission City, B.C. 117 Me Mannebias, Man, Public huiding. 118 Me Montager, F.L., public building. 119 Medonade, R.C. 116 Medonade, R.C. 118 Medias, R.C. 118 Metrareal Keyer, Gont, Bassan, B	Lower Jemson N B		Minuligash, P.E.I.	109
n harbour improvements. 105 Minnebias, Man, public huiding. 100 Me Mission City, B.C. 117 Me Mannebias, Man, Public huiding. 118 Me Montager, F.L., public building. 119 Medonade, R.C. 116 Medonade, R.C. 118 Medias, R.C. 118 Metrareal Keyer, Gont, Bassan, B	Lower Kingsburg, N.S.		Minette Man	
McAdam's, B.C. Mission River, Out. 294 McAdam's, B.C. Mission River, Out. 294 McAdam Junction, N.E., immigration Building		87	Mink River, P.E.I.	
McAdam's, B.C. Mission River, Out. 294 McAdam's, B.C. Mission River, Out. 294 McAdam Junction, N.E., immigration Building	 harbour improvements. 	108	Minnedosa, Man., public building	100
McAdam's, B.C. Mission River, Out. 294 McAdam's, B.C. Mission River, Out. 294 McAdam Junction, N.E., immigration Building			Mirror Lake, B.C.	
McAdam's, B.C. Mission River, Out. 294 McAdam's, B.C. Mission River, Out. 294 McAdam Junction, N.E., immigration Building			Mission City, B.C.	116
McMarbw, B.C. Michell, Ortz, proble building. 97 Michell, McCan, J.K., immigration McMarbw, J.Martion, N.E., immigration McMonaldv, B.C. 116 McKavir, Vont, N.S. 100 Montradis, P.O., public huilings 99 Montradis, P.O., public huilings 99 Montradis, P.O., public huilings 99 Montradis, P.O., public huilings 99 Montradis, P.O., public huilings 99 McLawir, Cont. N.S. 100 Montradis, P.O., public huilings 99 McLawir, Golly, N.S. 100 Montradis, P.G., public huilings 99 Montradis, P.G., public huilings 99 Montradis, P.G., public huilings 99 Montradis, P.G., public huilings 99 Montradis, P.G., public huilings 99 McLawir, Conty, N.S. 100 Montradis, P.G., public huilings 99 Montradis, P.G., public	are			21-112
 McAlina M. M. Shariman, X.L. immigration Moneton, N.R. inhibit building. Bornard, R.C. Stark, and S. S. Shariman, and Shariman, and Shariman, and Shariman, and Shariman, and Sharima			Mitchell, Ont., public building	
McMain Montagory F.K.L. public building. 87 Montagory F.K.L. public building. 81 86 Montagory F.K.L. public building. 91 McKay's Point, N.S. 90 Montagory F.Q. public buildings. 91 McKay's Point, N.S. 100 Montagory F.Q. public buildings. 90 Montagory F.Q. public buildings. 114 Montagory F.Q. public buildings. 30 Montreal F.Ver, Ownerad River, Ownerad Ri	McAdam's, B.C	116	Moncton, N.B., public building	88
 McKavy Fourt, N.S. 108 Montmagny, P.Q., public buildings 90 Montras River, Ont. 119 Montreal River, Ont. 140 McKalar, River, Ont. 130 McKalar, River, N.S. 140 Montreal, P.Q., public, McKara, 120 Montreal, P.G., Public, McKara, 120 Montreal, P.G., Public, McKara, 120 Montreal, P.G., Public, McKara, 120 	McAdam Junction, N.B., immigration		Montague, P. E. I., public building	
 McKavy Fourt, N.S. 108 Montmagny, P.Q., public buildings 90 Montras River, Ont. 119 Montreal River, Ont. 140 McKalar, River, Ont. 130 McKalar, River, N.S. 140 Montreal, P.Q., public, McKara, 120 Montreal, P.G., Public, McKara, 120 Montreal, P.G., Public, McKara, 120 Montreal, P.G., Public, McKara, 120 	MaDonald's P.C.			
McLean's Guilly, N.B. 110 " dry dock. 112 McNair's Cove, N.S. 108 Monuments. 120	McKay's Point N S		Mont Louis, P.Q.	
McLean's Guilly, N.B. 110 " dry dock. 112 McNair's Cove, N.S. 108 Monuments. 120	McKay's, B.C.		Montreal River, Ont	
McLean's Gully, N.B	McKellar River, Ont			
McNair's Cove, N.S	McLean's Gully, N.B.	110	" dry dock	112
101 Moosejaw, Sask., public buildings 101	McNair's Cove, N.S		Monumenta	
	not nerson's Cove, P.E.I	9-109	Moosejaw, Sask., public buildings	101

хt

Page

9 GEORGE V, A. 1919

Names of Places, etc.

31

Morden, Man., post office	
Morrisons Landing, N.S.	1
	. 1
Moulies River, N.B	13-1
Mount Forest, Ont., public building	
Mount Lehman, B.C	. 1
Mount Stewart, P.E.I.	1
Murray Bay, P.Q	. 1
n n post office	
Murray Harbour, P.E.I	1
Muskrat river, bridge	

Naas River, B.C	117
Nanaimo, B.C	38-117
Nanaimo, D.C.	
Nappan N.S., experimental farm	105
Nappan N.S., experimental farm	87
Napanee, Ont., public buildings	97
National Art Gallery xxiv	93-158
National Art Gallery xxiv	
Necuna Teuch, N.S	108
Needles, B.C	116
Noopawa Man post office	100
Negro Point, N.B Neguac, N.B	15 110
Neguac, N.B	110
	105
Newcastle, N. B., public building	88
Newelton, N.S., public building,	108
New Glasgow, N.S., public building.	87
New Harbour, N.S.	108
New Laskeard, Ont	114
Newmarket, Out., post office.,	97
Newport P.O.	112
New Westminster, B.C., public burthings.	105
APW Westingster, D.C., public on onngenege.	117
a harbour	
Niagara Falls, Ont., public buildings	97
Nicolet, P.Q., public buildings	91
Nicomen Slough, B.C	116
	114
Nupissing, Ont	
Nitimet Inlet, B C	39-117
Nominingue, P.Q., immigration building.	91
Nootka, B.C	116
North Arm B.C.	116
North Battleford, Sask., public building	101
North Bay, Ont., public building	97
Northeast Point, N.S.	108
North Incourse N.S.	108
North Fortal, Sask , immegration building	101
North River, N.S.	108
North Shore, St. Lawrence, telegraphs	72 119
North Sydney, N.S	108
" public buildings	87
North Vancouver, B.C., public buildings	105
Northwest, telegraphs	73
Norway Bay, P.O.	112
Norwich, Ont., post office	97
Nyanza, N.S.	108
Ayanza, 13.67.	100

Oak 15	int. N	B	
Ogdens			
Okanag	an Ruy	ver, B	·

Names of Places, etc.	Page
0	
Oreangeville, Out, public building. Orlink, Ott, public building. Oshawa, Ott, pet office. Soekcag, X. Liper, buildings and greends. Uttawa, Ott, art gallery public buildings everyment home- pet office reads and bridges dides and becaus Oreen Scott, Our public building.	114 88 xiv- 93 xxi-157 93 94 2- 93 93 118 60-118 57- 79
Owl« Head, N.S	105

P

 116 Pacific Highway, B.C., mmugn. office 100 Palmerston, Ont., post office 15 110 Pannure Island, P E.I 	105
100 Palmerston, Out., post office	97
15 110 Panmure Island, P.E.I	109
110 Papineanville, P.Q	112
105 Paris, Ont., public building	97
88 Park Point, Man	34
108 Parks Creek, N.S	6 108
87 Parkhill, Ont., public building	97
	xxi .
114 Parrsboro, N.S., public building.	87
97 wharf	108
112 Partridge Island, N.B .	15-110
105 Peace River, Alta, immigration building	103
117 Peace River Crossing, Alta., lands office.	103
97 Pelee Island, Out., doeks	114
9] telegraphs	73 119
116 Pembroke, Ont., public buildings	97
114 o o wharf .	114
39-117 Pender Harbour, B.C	39 117
91 Penticton, B.C	39
116 Peribonka, P.Q., immigration building .	91
116 Perth, Ont., post office	547
101 Peterborough, Ont , docks	114
97 a public buildings.	97
108 Petawawa, Ont.	114
108 - a river	59 118
101 retrolea, Ont., public building . 108 Phillipburg, P.Q.	97
108 Phillipsburg, P.Q.	
72 119 Piche Point, P.Q	112
108 Picnic Island, Ont	114
87 Pieton, Ont., public building.	97
105 Pieton, N.S., public buildings	87
73 a dredging	108
112 Pierreville, P.Q., public building.	
97 wharf	112 104
108 Pincher Creek, Alta., forestry ollice	109
Pinette, P.E.I	61
Pitts Brook bridge, P.Q.	91
Pleasi ville, P.Q., post office	112
Pointe à Bronsseau, P.Q	112
110 Pointe & Elie, P.Q	
108 Pointe aux Esquimaux, P.Q 39-117 Pointe aux Trembles, P.Q	112

Names of Places, etc.	Page	Names of Places, etc.	Page
Prime Chairs, P. Q. Prime Chairs, P. S. Prim Chairs, P. S. Prim Chairs, P	112 28 112 112 112 112 112 112 112 112 1	It is the second	117
Quatsino, B.C. Quebec, public buildings. Quebec city, harbour. public buildings. Quinze dam.	117 1-89 112 1-91 55	Rothesay, N.B. Roy, E.C. Rustico, P.E.I. St.	110 117 9-109
R Rainy River, Ont Recapitulation Red Deer, Alta, public building Red River, Man	$115\\121\\104\\34-115\\101$	Ste. Agathe des Monts, P.Q., post office. St. Allevin, P.Q	91 112 113 113 110 57-115 113 113

Names of Places, etc.	Page	Names of Places, etc.	Page
Autor of Theory, etc.	I age	, while of a face, etc.	1.06.
81.			
Ste. Anne de Bellevue, P.Q., post office .	91 113	Salmon Arm, B.C. post office	106-118 105
Ste. Anne de Chicoutimi	113	Sandheads, B.C.	37-116 98
Ste. Anne de la Pocatière, P.Q., expt'l farm Ste. Anne des Monts, P.Q.	92 113	Sandheada, B.C., Sandwich, Ont., public building, Sandy Cove, N.S., Sapperton, B.C., Sarnia, Ont., public building,	108
St. Boniface, Man., public building,	100 98	Sapperton, B.C	117 58
St. Catharine's, Ont, post office St. Charles de Caplan, P.O.	113	Sarina, Ont., public buildings.	102
de Richelien, P.Q.	113	Sakatoon, Sake, public buildings. Sakatoon, Sake, public buildings. Saule Ste Marie, Ont. n public building Sayabee, P.O., post office Scotchtawn, N.B. Scotchtawn, N.B.	117
St. Unarles River, N.B. St. Denis de Richelieu, P.Q.	113	saut Su Marie, Ont., public building	98
St. Eloi, P. Q.	113	Sayabec, P.Q., post office	92 110
St. Enstache, P.Q., post office	92	Scott, Sask., experimental farm .	102
Ste. Famille, P.Q.	113 113	Scotts Bay, N S	108 198
 Cathannies, Oni, past office Charlas G. Qaing, P.Q., A.G., A.	92	Savalee, P. O., post offer	108
St. François, Isle d'Orleans, P.Q	113 113	Sea Otter Cove. B.C.	40
St. Gabriel de Brandon, P.Q., post office .	92 113	Selkink, Man., public building	100
Ste. Genevieve, P.Q., St. George de Benuce, P.Q., post office	92	a repair slip	-81 - 85
St. Gregoire de Montuiorency, P.Q	113 92	Seven Islands, P.Q.	113
St. Ignace de Loyola, P.Q	113	Shawinigan, P.Q., post office	92
St. Irenée, P.Q	113 113	Shading N.B.	15 110
St. Jean d'Orleans, P.Q.	113	Shelburne, N.S., public building	87
St. Jerôme, P.Q., public building	92 113	Shelburne, N.S., dredging Shelburne, Ont., nublic buildings	98
 trainel de Brandon, P.Q., post office- les, Genevice, P.Q. Generade Brance, P.Q., post office- strategies and the second se	14-110	Sherbrooke, P.Q., o	92
N.B. mublic buildings	110 88	Shippigan Gully, N.B.	16-110
St Johns, P.Q., public buildings	92 113	Shoal Lake, Man, post office	100
 Johns, P.Q. Johns, P.Q., post office S. Joseph & Biasser, P.Q., post office S. Laurenth, P.Q. Magnetize, P.Q. Magnetize, P.Q. Matrice, River, diverging Matrice, River, diverging Matrice, River, Detailed Matrice, River, Detailed Michil, de Bellenhaus, P.Q. Michild, R. Bellenhaus, P.Q. Michild, G. Bellenhaus, P.Q. Michild, G. Bellenhaus, P.G. Michild, Be	92	Shewsbury, Out	115
St. Joseph's, Ont	115 92	Shubenacadie, N.S.	108
St. Laurent, P.Q	113	Sidney island, B.C	117
St Majorique, P.Q	113 98	Sidney, B.C., experimental farm Sight Point, N.S.	105
St. Mathias, P.Q	113	Silver Centre, Ont	115
St. Maurice River, B.O. shales	22 59-80	Simcoe, Ont., public building.	117
St Méthode, P.Q	113	Slides and booms	82 118
St. Nicholas river, N B	15-110	Smiths Landing, B.C	117
St. Ours, P Q., post office	92 113	salver Centre, Ont Shuree, Ont., unble building. Shurnes River, B.C	92
St. Paul, P.Q (Isle aux Noix)	113	wharf	113
St. Petera, N.S. St. Puerro les Reconets, P.O.	6 108	Souris, P.E.L, public building	109
St Roch de Richelien, P.Q	113 92	Souris, Man., post office	100
Ste. Rose, P.Q., post office.	113	South Ingonish, N S	108
St. Stephen, N.B., public building	88	South Side, N.S.	108
 Ours, P. Q., pet office what Paul, P. V. Shar, S. N. Noix). Peters, N. S. Peters, N. B. Becquete, P.Q. Peters, B. Becquete, P.Q. Peters, P.Q., peet office. St. Stephen, N.B., public building. St. Therese, P.Q., pub ic building. St. Therese, Out, public huilding. 	98	South and a post once South angles, N.S. South State, N.S. South Walkee, N.S. South Walkee, N.S. Spantula, B.C. Spintu Lake, P.Q., post office birth Lake, P.Q., post office	117
St. I te, P.Q., post office St. Ulru, P.Q. St. Zotique, P.Q.	92 113		92 104
St. Zotique, P.Q.	113	Spray ri er bridge	62 87
		Spray ri er hridge Springhill, N.S., public building Squamib, B.C., post office , wharf	105
	113	", wharf Stanstead Plain, P. 2., post office, etc.	40 117 92
Salirevou, P.Q Safety Cove, B.C.	117	Stave river, B.C	117
Saguenay river, P Q.	21 80	Steelton, Out., post office.	115

INDEX

SESSIONAL PAPER No. 19

	n		
Names of Places, etc.	Page	Names of Places, etc.	Page
*		v	
Stellarton, N.S., post office.	87 37-I16	Valleyfield, P.Q., public building	92 105
Steveston, Jetty, B.C Stonehaven, N.B	110	Vancouver, B.C., public buildings.	40-117
Stonehaven, N.B Stonewall, Man., post office Stratford, Ont., public building	100 98	Vancouver island telegraphs	77
Strathroy, Ont., post office Sturgeon Falls, Ont.	20	Varennes, P.Q. Vargas Island, B.C.	113 117
	115 98	Vaudrenil, P.Q. Verdun, P.Q., post office	113 92
Sudbury, Ont., post office. Sugar Island, Man Summerland, B.C., post office. Summerside, P.E.I, public building. Summerside, N.S. Surveys and inspections Surveys and inspections	98		104
Sugar Island, Man	35 105	Vernon, B.C., public building Victoria, B.C., public buildings	105
Summerside, P.E.I, public building	87	harbour, B.C. Victoriaville, P.Q., post office.	40-117
Summerville, N.S.	108 120	Victoriaville, P Q., post office Viking, Alta., immigration building	93 104
			99
Sutherland, Sask., forest nursery station Swims Point, N.S	102 108	Virden, Man., post office	100
			100
Sydenham, Ont., public buildings.	98 87		
" harbour	108 87	w	
Sydenkam, Oat., public buildings. Sydenkam, Oat., public buildings. "harbour Sydney Mines, N.S., public buildings. Sydney Mines, N.S., public buildings. Syringa Creek, B.C.	117		
		Wadena, Sask., buildings. Wainwright, Sask., immigration building.	102 104
т		Walkerton, Ont., public building	99
Tolouhonos	60	Walkerville, Ont., public building.	99 120
Telephones. Telegraph lines, generallyxxiv revenue.	-63-119	Waterloo, Ont., public building.	99
	68 92	Welchpool, N.B.	110 99
Test borings. Thetford Mines, P.Q., public building	118	Walkerville, Oat, publie building, Wat asproprintion Waterhoo, Oat, publie building, Welland, Oat, publie building, Wend Archas, X.S. West Datam, S.S. S.S. West Demans, B.C. West Public, N.S. West Public, N.S. West Public, N.S. West Public, N.S. West Public, S.S. West Public, S.S. West Public, S.S.	115
Thefford Mines, P.Q., public building Thornbury, Ont.	92 115	West Chezzetcook, N.S.	109 109
Thornbury, Ont Three Fathom Harbour, N.S. Three Rivers, P.Q., public buildings.	109 1-93	West Demars, B.C.	117
Tignish, P. E. I., public building.	87	We tham Island, B.C.	7-109 116
Tignish, P.E.I., public building.	109 98	West Lorne, Ont., post office	99 109
Tilbury, Out., post office. Tillsonburg, Ont., post office.	98	West Pubnico, N.S.	109
Timiskaming dam	55 109	West Point, P.E.I	109 87
Tobermory, Ont. Toronto, Ont., harbour	115	Wetaskiwin, Alta., public building	104
Toronto, Ont., harbour. public buildings.	32-115 98		102 87
Tracadie Beach, N.B.	110	wharf. Wheatly, Ont. Whitchead, N.B	109
Tranacona, Man., post office.	88 100	Wheatly, Ont.	115 110
Transcoua, Man., post office		Whitby, Ont., public building. White Point, N.S. Whonnock, B.C. Whycocomagh, N.S. Wington, Ont. page 1 office.	99
Trenton, Ont., public building Trenton, N.S., post office	2-99 87	Whonnock, B.C.	109
Trenton, N.S., post office. Trois Lacs, P.Q. Trois Pistoles, P.Q., post office	113 92	Whycocomagh, N.S. Wiarton, Ont., post office	109
		Wilkie, Sask , public building	102
	109 87	Williams Head B. C. quarantine station	106-117 117
Truro, N.S., public buildings Tynemouth Creek, N.B Tyrian S.S. cable ship	110	Willow Point, B.C. Windsor, Ont., public buildings.	99
Tyrian S.S. cable ship	77-119	" " dock." " N.S., public buildings	115 87
		" harbour	109
τ			99 100
Uclust, B. C.	117 105	Winnipeg, Man., public buildings Woburn, P.Q.	113
Union Bay, B.C., post office. 	105	" wharf	87 109
Unity, Sask., immigration building Unper Ottawa storage dama	102 120	Wolfville, N.S., public building wharf Wo d Islands, P.E I Woodstock, N.B., public building	109 89
Upper Ottawa storage dams. Uxbridge, Ont., post office	99	" Ont., "	99

Names of Places, etc.	Page	Names of Places, etc.	Page
Y Yamachiche, P.Q. Yamacka River, P.Q., lock and dam. Yarmouth, N.S. public building. Yorkton, Saek., public buildings.	57-113 7-109 87	York bridge, Ont. Youngs landing, N.S Yukon, public buildings. Yukon river, B.C. • telegraphs.	106

9 GEORGE V

SESSIONAL PAPER No. 19

REPORT

OF THE

DEPUTY MINISTER OF PUBLIC WORKS

FOR THE

FISCAL YEAR ENDED MARCH 31, 1918.

DEPARTMENT OF PUBLIC WORKS, CANADA.

OTTAWA, November 1, 1918.

Hon. F. B. CARVELL,

Minister of Public Works, Ottawa, Ont.

Sm,-I have the honour to submit the report of operations of the Department of Public Works during the fiscal year ended March 31, last.

EXPENDITURE.

The total expenditure made by or through the department during the fiscal year 1917-18, on its various works of construction, maintenance, and operation, amounted to the sum of \$14,055,207.70. The details of this amount are classified under the following heads:---

Harbour and river w	orks.		8	5,551,773 97
Dredging, plant, etc.				
Slides and booms				64,859 36
Roads and bridges				18,991 41
Public buildings				5,843,288 72
Telegraphs				751,451 48
Miscellaneous				419,004 60
Total				\$14,055,207 70

The department has carefully adhered during the year under review to the policy of retrenchment which has been followed since the outbreak of the war, with the result that the aggregate outlay this year is \$2.106,388.50 less than that of the preceding year; and \$15,228,109.12 less than the expenditure three years ago. The parliamentary grant for this year was \$9,914,057,70 less than that for the year 1916-17 and will be further substantially reduced for the year 1918-19.

19—в

REVENUE.

The revenue for the year amounted to the sum of \$421,491.84, and is made up as follows:--

Slides a	nd b	001	ns														\$	26,187	92	
Graving	doc	kя.																56,484	16	
Rents																		06,205		
Telegrap																		27.737		
Casual :	rever	nue														•		21.131	2.4	
	Tota	a1.															\$4	21,491	8.4	

It will be noted that there is a decrease of \$71,768.17 from last year's figures, which is practically the difference in the returns from slides and booms. The other items of revenue while showing fluctuation from the preceding year have aggregated about the same amount. The great decrease in slides and booms revenue is attributable to the new arrangement made last year whereby the St. Maurice slides and booms system was leased to the St. Maurice River Boom and Driving Company, Limited, from the first of April, 1917, at a rental of \$1 per annum. The company was to collect the rates of tolls established by Order in Council, and after defraying the cost of maintenance and operation was to pay over the surplus there might be of revenue over expenditure. When this system was operated direct by the dopartment, the practice was not to charge the cost of maintenance and operation against the revenue, but to defray expenditures from certain special appropriations granted for that purpose and return the entire collections as revenue. No payment has so far been made by the company under the existing agreement but, in any event, the change of method by which all expenditure is now deducted from revenue is bound to show a very substantial decrease in the latter.

Reference was made hast year to the particularly small returns from the Ottawa River district. This year the collections were \$9,904.38 more than the previous year, and the number of sawlogs 1,050,364 more than last year; the increase being due to the large quantity of logs from tributaries coming out which had been hung up the previous year.

HARBOUR AND RIVER WORKS.

The total expenditure in this branch of the Department of Public Works was \$5,551,773.97, of which \$4,007,211.58 was charged to capital and \$4,451,562,39 to income. This is almost one million dollars less than last year's outlay.

The following is a list of works which have been completed during the year :-

Nova Scotia .- East River - River improvements and lock.

New Brunswick. Small landings at Bass river, Moulies river, and St. Nicholas river.

Quebec .- St. Zotique -- Small ieebreaker.

Ontario.-Desbarats, small landing: Fort William, quay walls, Kingston harbour corprovements, and Port Arthur pile protection breakwater.

British Columbia. Sea Otter cove, small landing, Steveston jetty, second section at month of Fraser river, and Victoria breakwater.

The following works were under contract but unfinished at the end of the tiscal year:-

New Brunswick. St. John Courtemy buy, harbour improvements.

Quebec.-Laprairie dyke, Rimouski harbour improvements, River St. Charles improvements, and the Champlain dry doek at Lauzon.

Ontario.-Port Stanley extension to western breakwater and Toronto harbour works. British Columbia.-Vancouver, shed on west side of wharf, and Victoria, wharves and shed.

DREDGING.

The expenditure under this head amounted to \$1,405,838,16, a decrease of \$1,004,575,08 from that of the preceding year.

There were seventeen units of the departmental dredging plant not in commission during the fiscal year 1917-18. This released several Public Works tugs, and advantage was taken of this fact to place them at the disposal of the departments of the Government in need of such vessels; the Naval Service Department making use of the steamer Speedy, tugs Helena, Causo and Sir John; and the Customs Department making use of the tug Causo prior to this vessel having been taken over by the Naval Department.

The expenditure on the plant has been kept as low as possible, consistent with economic efficiency, and no new plant has been nequired or constructed. The outlay on contract dredging amounted to only \$53,3390.7.

The dredging of the channel in the East river, Picton harbour, Nova Scotia, was completed. This work has been under way by dredge P. W, D_a , No. 5 (Northumberland) since 1908, and the work has involved the removal of 2.972.22° cubic yards.

A channel has been completed in the Sagnenay river, giving a least depth of 16 feet and a width of 250 feet from the foot of the battures to Chicoutimi.

A satisfactory commencement has been made in removing shoal patches and points, which have been a source of danger to navigation in the main channel of the SL Lawrence river in Lake SL Louis.

This season saw the practical completion of the West Fort turning basin of the Kaministiquia river, at Fort William. The improvement of this harbour by dredging, to the extent planned, is expected to be finished next season.

The work at Port Arthur harbour during this season consisted in easing the entrance to the Government elevator slip; widening the main harbour south; widening the King's channel; completing the Saskatchewan Co-Operative and Grain Growers' slip and commencing the Richardson's elevator slip.

The close of the year has seen the completion of the wislening and deepening of the channel through the First mirrows to Vancouver harbour, and the removal of Parthia shoal; there is now a least depth of 35 feet over the First Xarrows channel and Parthia shoal, and a least width of 1,200 feet in the channel, which had a width of 450 feet and a depth of 30 feet when the work was commenced in December, 1911. To effect this improvement has involved the removal of 4,139,200 cuby yards.

At Nanaimo, work has been carried on since 1914. By the removal of Rocky shoals the harbour has been greatly improved: no further work being required for presently prospective mavigation.

This season saw the completion of the improvement, by dredging, of Victoria harbour. The Rócky shouls obstructing the free passage of the vessels have been removed so that there now exists in the inner harbour the safe depth of 20 feet, which is expected to be sufficient for the accommodation of shipping for some time.

Special reports, to the number of thirty-one, were forwarded during the year to the Departments of Marine and of the Naval Service, so that mariners might be kept acquainted by means of alterations of charts and notices to mariners with such work as has been accomplished.

Dredging operations were also carried on at the following places, where an expenditure of 10,000 or over was made:---

Nova Scotia.-Liverpool.

Prince Edward Island .- Bridgetown, and Rustieo South.

New Brunswick .-- Bathurst, Campbellton, St. John Channel, St. John West, and Shippigan.

Quebec .-- Ile aux Foins, Longueuil, Mission Point, and River St. Maurice.

Ontario .- Byng inlet, Hamilton, Midlaud, Port Burwell, and Port Stanley.

Manitoba .- Red river and Selkirk Slough.

British Columbia .-- Fraser river (North Arm and Sandheads) and Skeena river.

PUBLIC BUILDINGS.

The sum expended on construction, maintenance and repairs of public buildings throughout the Dominion was \$5543,2852, which is approximately the amount which was expended during the previous fiscal year. Of this amount, \$2,674,855.88 was expended in the construction and improvement of public buildings; and \$3,165,432.84 for repairs and maintenance.

The following buildings were completed during the year :---

Quebre.-Quebre post office-Minor works were executed to complete the main contract. Partitions were erected to form offices for the Military Service Act officials, Installation of tower clock and post office fittings.

Ontario. - Kingston - Erection of gymnasinm at Royal Military College. Trenton --Alterations and additions to post office and post office fittings and new floor in lobby.

Manitoba .- Winnipeg-Alterations to Immigration Hall for Postal Station " A."

Saskatchewan.-Regina - Alterations to Royal Bank building and Customs Express onilding.

The following buildings were still under contract at the close of the fiscal year:

Nova Scotia,-Halifax barracks on north common.

Quebec .- Three Rivers public building.

Outario, Ottawa Parliament buildings.

Alberta .--- Calgary drill hall.

Owing to the abortance of antifrareite coal last winter, in order to conserve this ways of find as much as possible and with a view to setting an example to large private cores the department made changes in many of the furnaces in public buildings situated in the Maritime Provinces and in the West so that local or bituminous coal might be made for heating. In this way, a very considerable quantity of authraciet and was saved for domstife consumption. The results in the public buildings were generally satisfactory, although the soft coal required much closer attention and more varieful firing than the authracite.

The department was very fortunate in not having much damage done to the mobile handlings in the city of Halifax when the terrible explosion took place in the instant on the 6th of December, 1917. Outside the roof of the drill hall being

wrecked, the post office and Customs buildings suffered only from broken windows and temporary dislocation of portions of the heating apparatus all of which was promptly repaired.

RECONSTRUCTION OF PARLIAMENT BUILDINGS, OTTAWA.

The progress made with the reconstruction of the Parliament buildings during the past year has been exceptional, and it may safely be said that a record has been set in its rapid construction. At the same time, the work is of the highest quality, in keeping with a national undertaking of this character.

On April 2, general building operations were resumed for the season of 1917, the masonry of the interior walls on the Senate wing being two storeys high, and an average of four feet above ground level for the balance of the building.

When masonry work was discontinued on December 18, 1917, all exterior and court walls had been completed to the main cornice or roof level; leaving the stone work of the four north ventilating towers, the front parilions, the chimneys and the pent-houses above the roof to complete the exterior masonry.

The main tower was not proceeded with last year, the contractor devoting his energies to getting the building under roof before winter.

Structural steel-work, which was well started at the opening of 1917, has been completed, excepting minor sections such as paviliou and tower roofs, miscellaneous beams for stari landings, etc.

The aloping roofs are being constructed of Flox-or-Crete, a frequency concrete nailing composition, while the flat roofs or decks are of terra-cotta arch tile. Thuse sloping roofs have been completed with the exception of the Commons roof, which could not be placed on account of the early frost, while the roofs of the towers and pavilions cannot be constructed it! It he masonry walls of same are finished.

The terra-cotta arching of the flat roofs has been set, and the placing of the copper and tar and gravel roof covering will be proceeded with as weather conditions permit.

The setting of the terra-cotta arches for the floors of the building was commenced September 25, 1917, and approximately 80 per cent of this work has been completed.

The excavation for the foundations of the central heating plant is well advanced, and the concrete foundations for the north wall of this building have been placed.

Labour conditions have been generally satisfactory, the average daily force on this work for the year 1917 being 495 men.

During 1917, there were fourfeen meetings of the Joint Parliamentary Committee and fifteen meetings of the board on the reconstruction work; also meetings of the Speakers, Senators, and Chairmen of the House Committees to discuss the general works of this building and arrangement of accommodation.

The expenditure on the work to March 31, 1918, amounted to \$2,774,873.18.

In addition to the contracts mentioned in last year's report, the P. Lyall & Sons Construction Company, Limited, as general contractors for this work have, with the approval of the Joint Parliamentary Committee, entered into the following sub-contracts since the first of April, 1917:—

On April 25, 1917, the board authorized a contract for sand with R. R. Foster, Ottawa, Ont., for 5,584 cubic yards of sand at 77½ cents per cubic yard.

On April 27, 1917, the Joint Parliamentary Committee authorized that contracts be made for the terra-corta fireproofing required for the work with the National Fireproofing Company of Canada, for \$104,473,75, the Sun Brick Company for \$17,337,50, and the Montreal Terra Cotta Company for \$14,102,50. These are being executed.

On May 1, 1917, with the Estate of James Davidson, Ottawa, for 5,000 pieces of 2-inch by 10-inch by 16-foot merehantable spruce plauk, delivered on the site for \$39 per 1,000 ft, ban.

Under date of July 20, 1917, a contract was executed with the National Brick Uompany of Laprarire, Limited, for the supply of 5,000,000 common brick at \$12 per thousand, delivered on the site, as authorized by the joint committee on July 18, 1917. This contract has been fulfilled.

Under date of July 23, 1017, a contract was executed with the Wallace Sandstone Quarries, Limited, of Winnipeg, Man., for the supply of 154000 cubie feet of Tyudall limestone at 81.02 per cubie foot f.o.b. cars, Ottawa, as per the authorization of the joint committee of Forbrary 7. In reality, this contract was not approved or executed (ill Soutember 10, 1017; 3-3602 cubie foot have been adhyrered on this contract.

Under date of August 24, 1917, a contract was executed with the Canada Cement Company for 33,000 barrels of cement, at \$2.18} per barrel f.o.b. ears plant, freight to Ottawa allowed and deducted from the above price with the Canada Cement Company, as authorized by the joint committee on August 22, 1917.

Under date of August 27, 1917, a contract was executed with the Missisquei Quarries, Limited, Montreal, for the suppl of 7,300 eubic feet of gray markle, sawn in S-inch to 9-inch thickness, sawn two faces, from 8 feet to 9 feet long and 5 feet to 3 feet wide, at 83:00 per eubic foot; 2,300 superficient feet of 3-inch flag allabs, anished ready to set in position in sizes up to 8 feet by 3 feet to 4 feet for 81:20 per square foot; 7,1000 square feet of 2-inch flag slabs, as above, in sizes 3 feet 6 holies to 4 feet by 1 foot 9 inches to 2 feet, for 87 cents per square foot; 25,000 square feet of Missiquei black marble, finished 14-inch thick with "b hone finish," cent as required, for 8⁻ cents per square foot. All the above f.o.b. cars Ottawa, as authorized by the joint committee, August 22, 1017.

Under date of August 28, 1917, a contract was executed with Dartnell, Unittel, Montreal, for the supply of 3,000 quoins, at 8122.50 per thousand; 10,000 headers at 8106 per thousand, and 37,700 stretchers at 8106 per thousand; 10,000 headers at wallty, American-made canned brick, English size, manifactured by the Andrew Romasy Company, of Mount Savage, Maryland, as authorized by the joint committee on August 22, 1017. It was found necessary, however, to cancel this contract on November 9, as the manufacturer could not make the deliveries required to permit the elosing in of the building before the end of the season and as the works, were being seriously delayed thereby an order was placed with the Don Valley Brick Works, Forento, to supply, from stock, the balance required.

Under date of September 20, 1917, a contract was executed with the Transet Concrete Steel Company of Canada, Limited, Montreal, for the supply of 157,000 spinare feet (nore or less) of 24-gauge IIy-Rib at 104 cents per square foot, delivered on the site, as anthorized by the joint committee on September 18, 1917. This contract has been commeted.

Under date of September 20, 1917, a contract was executed with W. J. McGuire, 1 mited. Toronto, for the plumbing, pipes and fixtures of this building, at \$129,000, as authorized by the joint committee on September 18, 1917.

Under date of September 25, 1917, a contract was excented with the Flexuer-Taylor Company of South Boston, Mass. I r the supply of 300 tons (more or less) of Flex-or-Crete, at \$25 per box, delivered on the site, as anth-rized by the joint comnuctee on September 18, 1917.

REPORT OF THE DEPUTY MINISTER

SESSIONAL PAPER No. 19

Under date of September 25, 1917, a contract was executed with W. E. Dillon Company, Toronto, for the roofing and sheet metal work of this building, for the sum of \$ $4 50,000 sa suthorized by the joint committee on September 20, 1917.

Under date of January 11, 1915, a contract was executed with the Canadian General Electric Company of Canada, Limited, for electric conduit and fittings, amounting to \$27,435,35, as authorized by the joint committee on January 8, 1915.

Under date of January 11, 1918, a contract was executed with the Northern Electric Company, Limited, for electric fittings and outlet boxes, amounting to 83,100.09, as authorized by the joint committee on January 8, 1918.

Under date of March 25, 1918, a contract was executed with W. G. Edge, Limited, Ottawa, for the heating and ventilating work, amounting to \$386,000, as authorized by the joint committee on March 21, 1918.

Under date of March 25, 1918, a contract was executed with the Otis-Feusom Elevator Company, Limited, for the supply and installation of two Otis-Standard No. 17-53, 1-I, gearless traction type elevitic passenger elevators, for the Sonate and House of Commons office blocks, amounting to \$31,940, as authorized by the joint committee on March 21, 1918.

JUBILEE OF CONFEDERATION.

In commemoration of the fiftieth auniversary of Confederation and in dedication of this building by the Parliament and people of Canada, the central column upholding the ceiling of the main entrance hall was unveiled by His Excellency the Governor General at no.n, Monday, July 2, with impressive ceremonies. Addresses were given by the Right Honourable Sir Robert Borden, G.C.M.G., P.C., and the Right Honourable Sir Wilfrid Laurier, G.C.M.G., P.C. The event was epochal in the history of Canada.

The column has incised upon it the following inscription :---

101 DIT 101 101 DI TI E HUTIETI ANNIVERSARV OF THE CONFEDERATION OF BEITSU COLONING TO THE CONFEDERATION OF BEITSU COLONING TO CUSADA AS THE DOULISION OF CUSADA THE DOULISION OF CUSADA THE DOULISION OF CUSADA IN FRACESSO FRACESSAR DEDUCATE THIS ECHIDANO IN FRACESSO FRACESSAR MUNICAL DE GRAT WAR FOCIALT FOR THE LIMERTES OF CAMPA AND OF THE RATURE AD OF THE RATURE AD OF HUTIENTS

The selection of the axial column of the Parliament building of the Dominion as the form of the memorial, was most appropriate and significant.

TELEGRAPHS.

During the year there have been added thirty-one miles of new line in the province of British Columbia, as follows:--

Kamloops-Mount Olie				Miles. 2
" Savona Notch Hill				11
Hefley Creek-Upper Louis Merritt-Camford	Creek.			8
Golden-Windermere				2
Total				31

There is now a total mileage of 12,0473, and the offices number 1,106. The messuges sent during the year aggregated 443,806, as against 411,034 during the preceding tiscal year. The expenditure was \$751,451.48 as against \$775,339.06 in the previous year, and the revenue showed an increase of \$13,424.06 over 1916-17.

The telephone, telegraph and conjoint offices on the system are as follows: -

Telephone Telegraph Conjoint																389
																1,106

NATIONAL GALLERY.

The National Gallery being still without premises for the exhibition of its national collection of works of art, has continued to concentrate its energies upon the development of its policy of loan exhibitions to any art gallery or body which has proper facilities for exhibiting them, and it is believed that this policy is having a direct and important benring upon the exhibitionent of selools of art and designt throughout the country. Its popularity is evidenced by the rapidly increasing application for these exhibitions, and without new purchases it will shortly become impossible to meet all requests.

Regular annual loans of works of art were sent out during the year to St. Johu, N. B., Sherbrocke, Que., Fort William, Ont., Winnipeg, Man., Regina and Moosejaw, Sask.; and apecial exhibitions were arranged for Halifax, N.S., Montreal, Que., Art Association, Ottawa-Central Canada Exhibition, Toronto Art Museum, and Western Uanada Fair Association, the eircuit including Calgary, Edmontou, Brandon, Regina, Saskatoon, and Prince Albert, also Vancouver, B.C. Twenty oil paintings were purchased from Canadian artistis during the year.

Appended to this report will be found detailed reports from the different branches giving full particulars of the various works earried out by this department during the year.

I have the honour to be, sir,

Your obedient servant,

J. B. HUNTER, Deputy Minister.

PUBLIC BUILDINGS.

BY R. C. WRIGHT, CHIEF ARCHITECT.

NOVA SCOTIA.

Repairs and improvements were excented on public buildings at the following places: Amberst, Antigonish, Annapolis, Arichat, Baddeck, Dartmouth, Digby, Guysborough, Glace Bay, Inverness, New Glasgow, Liverpool, Pictou, Parrsboro, Sydney, Nydney Mines, Springhill, Turto, Westville, Windsor, Wolfville, and Yarmouth.

At Halifax, the explosion of 6th December, 1917, in the harbour, did considerable damage to the public buildings; instructions were immediately issued to make the necessary repairs, and the buildings were placed in proper order.

PRINCE EDWARD ISLAND.

Charlottetown's old bank building and the Dominion building, Georgetown, Montague, Souris, Summerside, and Tignish public buildings.

NEW BRUNSWICK.

Bathurst, Campbellton, Chatham, Dalhousie, Fredericton, Graud Falls, Hampton, Hartland, Hillsboro, Marysville, Moncton, Newcastle, Richibueto, St. John, St. Stephen, Sussex, and Woodstock public buildings.

The difficulty of obtaining anthracite coal for use in the public buildings in the Maritime Provinces was overcome by changing many of the furnaces so that local bituminous coal could be utilized for heating.

QUEBEC.

Arthabaska, Coaticook, Drummondville, Dundee, Grosse Ile, Knowlton, Grauby, Lachute, Longueuil, Magog, and Quebec.

Three Rivers: This building was described in the annual report for 1914. On the 9th of November, 1917, a contract for the fittings and furniture was entered into, which is now completed. Plans and specifications prepared by this department and work carried out under its supervision. Contractor for construction of building, Mr. Joseph Bourque. Contractor for fittings, the T. Shell Company. Work carried out under the supervision of Mr. Stephen Robitalle, of this department, Ottawa.

Quebec Post Office: The construction of this building, which was described in a previous report, is completed. A four-dial tower clock was placed in position, and in full working order. Construction of this building and the various works carried on at the other Quebec buildings were done under the supervision of Mr. Arthur Pouliot, Clerk of Works, Quebec.

ONTARIO.

Acton, Amherstburg, Aurora, Aylmer, Barrie, Belleville, Bowmanville, Bracebridgo, Brantford, Bridgeburg, Cayuga, Chatham, Chesley, Clinton, Cobourg, Colling-

19-1

wood, Dresden, Descronto, Dundas, Elmira, Elora, Essex, Galt, Goderich, Grimsby, Gaelph, Hamilton, Harriston, Ingersoll, Nimeardine, Kitchener, Lakefeld, Leamington, Lindsay, Listowal, London, Midland, Milverton, Midhuay, Mitchell, Mount Forest, Nigara Falis, North Bay, Orangeville, Orlina, Oshawa, Ottawa, Overo, Sound, Palmerston, Paris, Parkhill, Peterboro, Petroloa, Picton, Port Hope, Preston, Sandwich, Sarnia, Scaforth, Simce, Sheburne, Stefelon, Stratforo, St. Catharines, St. Thomas, Sudbury, Toronto, Walkerville, Walkerton, Welland, Whitby, Windsor, Wingham, and Woodstock public buildings.

Ottawa: Barns—A new wooden barn on a concrete foundation measuring 47 feet by 20 feet was creeted adjoining the sheep sheds at the experimental farm.

A new flax barn was erected adjoining the main building, and measuring 47 feet by 30 feet.

Trenton: An addition to the rear of the building was constructed to provide additional accommodation for the post office.

MANITOBA.

Winnipeg buildings were repaired and improved.

SASKATCHEWAN.

Humboldt, Lloydminster, Maple Creck, Melfort, Moosejaw, North Battleford, Prince Albert, Regina, Saskatoon, Sutherland, Weyburn, and Yorkton public buildings.

ALBERTA.

Calgary, Edmonton, Grande Prairie, Lethbridge, Medicine Hat, Red Deer, Strathcona, and Wetaskawin buildings.

BRITISH COLUMBIA.

Asheroft, Atlin, Cedarcale, Chilliwack, Cloverdale, Comox, Coutts, Cranbrook, Comberland, Douglas, Dumean, Fertine, Field, Glacier, Golden, Grand Forsk, Greenwood, Kamloops, Ladysmith, Mission, Nanaimo, Nelson, New Westminster, North Vancouver, Port Alberni, Prince Gorge, Princeton, Revelstöke, Rossland, Sannich, and Verrien buildings; postal stations A and B, old post office building, sub-postal stations-A, B and C and immigration building at Vancouver; examining warehouse and observatory at Victoria, and the quaratuline station nut Williams Head.

YUKON.

Dawson public building was repaired,

HARBOUR WORKS.

By E. D. LAFLEUR, Chief Engineer.

NOVA SCOTIA.

CHESTER BASIN.

Dredging.

Chester Basin is a small town situated on the H. & S. W. railway on the shore of Chester basin.

During the fiscal year 1917-18, dredge N_0 . 15 was in operation at this place. The work, which is the first done here, consisted of cutting a channel from the main channel in to the wharves, and dredging a channel along the front of the wharves for harbourage accommodation.

The area covered was 15,000 square feet, with an average cutting of 6-3 feet, giving an average depth at 16 we water of 10 feet. The channel in to the wharves has a length of 170 feet and an average width of 44 feet, and the channel along the front of the wharves has a length of 218 feet and an average width of 48 feet. The material removed consisted of mud and gravel, with a place measurement of 4.200 cubic yards, and scow measurement of 5,570 cubic yards, showing an expansion factor of 32-6 per gent. Dredge $N_0.5$ for worked here from Sreptomber 24 to Nov, 14.

CLEMENTSPORT.

Dredging.

Clementsport, Annapolis county, is a village situated on either side of the mouth of Moose river, on the eastern side of Annapolis basin.

In 1917-15, 5.182 cubic yards, place measurement, were removed, at a cost of \$2,110.70, from the left or south side of the channel immediately below the railway bridge. The work was begun on 3rd September and finished 24th November, 1917. It was all done by hand digging, at low water, the material being thrown on to a scow towed out about a mile to deep water, and dumped.

The digging is comprised within a total length of 600 feet by a maximum width of 100 feet; the depth of cut varies from 4 feet to 5 feet and the bottom of the cut is 6 feet above LW.O.S.T., or 21 feet below H.W.O.S.T.

The excavated area will fill up by deposit of silt at a slow rate and should not require redredging for six or eight years.

EAST LA HAVE-REINHARDTS'.

Dredging.

Reinhardts' East La Have is situated on the western side of La Have river, about 12 miles south of the town of Bridgewater, Lunenburg county,

 $19 - 1\frac{1}{2}$

Work was done at this place during the year 1017-18, by dredge No. 15, and is the first dredging done here by the department. A channel was taken out on each side of the wharf so that better accommodation would be available. The area covered was 4.300 square feet with an average cutting of 34 feet, giving an average depth of 0 feet below low water. The channel on the north side of the wharf has a length of 50 feet with a width of 30 feet, and the channel on the south side has a length of 50 feet with a width of 30 feet. The material removed consisted of mud and bricks. Place measurement, 590 cubic yards. The dredge was engaged here from November 17 to 27.

EAST MIDDLE LA HAVE,

Dredging.

East Middle La Have is a small farming and fishing district on the east side of the La Have river, about 9 miles from Bridgewater,

The work done by dredge Xo. 15 during the fiscal year 1917-18, consisted of the cutting of a hosin in front of a wharf for the better landing of the steam packet which runs on the La Have river between Bridgewater and the several small villages on the river.

The area covered was 8,000 square feet with an average entiting of 4 feet, giving an average depth of 5 feet at LW.O.S.T. The basin has a length of 10 feet and a width of 30 feet. The material removed consisted of mud and gravel, the place measurement being 1,200 entible yards and the seow measurement 1,355 scubic yards, showing an expansion factor of 30 per cent. The dredge worked here from September 4 to September 18.

EAST RIVER.

(This work is described in the annual report for 1915.)

East river is the most easterly of the three branches of Pietou harbour. It is uavigable for small vessels from opposite Pietou to the town of New Glasgow.

During the fiscal year 1917-18, the contract let to Messrs. McDougal Bros. was practically completed, the only work still to be done consists of binding several of the dolphins with 4-inch wire cable. The work consisted of unwatering, common and rock excernation, and timber approach piers.

In September, 1917, Messra, Roger Miller & Sons, Ltd., finished their contract for the lock gates and operating machinery. The total expenditure on these two contract works amounted to \$854,230.35.

Dredging.

The East river is the most important of the three branches of Picton Harbour. Since the inception of the work in 1008, the department kydraulic dredge N_0 , δ was employed, and the total amount removed to date is 2.975,228 cubic yards of elay, sand, gravel and shells. A detailed description of the whole project to that date is given on page 21 of the annual report for 1915.

During the past sensor, the dredge operated from June 23 to November 2, and exervated 200,700 - onlog yards uncatared in *site*. The material was principally soft allowial clay with occasional areas of harder material near grade. The enting was dredged to a depth of 21 feer below L.W.O.S.T. and to a wolth of 150 feet from stations 34400 to stations 8000 with the exception of some hard material between station 65500 and 67500 which the dredge could not remove.

This material consists of 2,400 cubic yards in situ, or 3,120 scow measurement, of tenacious elay that will require a dipper dredge to excavate — This, in addition to some

overlying soft material not removed by the dredge, will make a total of 5,620 cubic yards seew measurement to be dredged from that area.

In the second reach, station 120+00 to station 239+00 there yet remains 369,000 cubic yards of sedimentation to be removed from the cutting made in previous years.

INVERNESS.

Dredging.

Inverness, Inverness county, is an incorporated mining town situated on the northwestern coast of Cape Breton island, about midway between the harbours of Mabou and Margaree, and 60 miles from Port Hastings, on the strait of Canso, with which it is connected by rail.

In April, 1917, the fishermen of Inverness asked the department for a channel across the beach, 15 feet which is the bottom, and with a depth of one foot of water at low water or 5 feet at high water, to permit them to pass in and out of the harbour at least at half tide, but the channel asked for would extend beyond the protection of the eastern breakwater for a distance of 175 feet, and in order to protect this dredged channel, it was absolutely necessary to extend the eastern breakwater for that distance.

Instructions were received to excavate the channel; operations were commenced July 10, 1917, and continued when weather conditions permitted, until September 25, when the work was suspended.

The depth required was obtained throughout the length of the channel during the progress of the work, but the heavy seaw awshed the floating such lack into the channel, and on 26th September, when the final examination was made, it was found that the channel had an average depth of 1.2 feet *above low water* instead of one foot *below low water*; and as spring tides rise here 4 feet instead of having a depth of 5 feet at *light water*, as proposed, there were hardly 3 feet of water at that stage of the tide, and it will continue to sheal up until the channel is protected.

The amount of material removed on completion was found to be 3,155 cubic yards in place, without taking into consideration the amount of material removed and washed back into the cut.

The work was done by horses and scrapers.

LIVERPOOL.

Dredging.

Liverpool is a town situated at the mouth of the Mersey river. During the past fiscal year, dredge No. 7 removed 46,610 cubic yards, seew measurement. Work was commenced June 11, 1917, moved to Shelburne in September, and moved back to Liverpool, October 17, and continued operations until November 30, 1917.

From the bridge towards the mouth of the harbour for a distance of 1,110 feet, the nature of the material to be removed consists of mud and sawdust. For a further distance outwards of 1,024 feet the material consists of mud and sawdust mixed with face which hard sand. In the last 1,089 feet of this channel, the bottom is composed entirely of fine, hard, white sand extremely difficult to remove with a ladder dredge. This dredging has been performed to a jetteth of 15 feet at LW.O.S.T.

The bulk of the material removed during the last fiscal year came from that portion of the channel starting opposite the end of the marine silp and continuing seaward as far as the black buoy. A few scow loads at the latter end of the season were removed from the upper portion of the harbour at its northern side. This latter part of the work was 400 feet long and 100 feet wide, the main portion of the dredging over the bar had a common width of 150 feet and, a length of about 1.750 feet to a depth of 15 feet at LW.O.S.T.

Included in the above is the amount of dredging performed in improving a branch channel for the accommodation of new reseals which require lannching, 1,200 cubic yards of mud and sawdust, scow measurement, were removed on June 22 and 23, a large portion of which has since filled up.

This branch channel was about 120 feet in length, 50 feet wide, with an average ent of 5 feet.

PARKS CREEK.

Dredging.

Parks ereek (('onrads') is on the east side of the La Have river, about 12 miles from Bridgewater.

During the fiscal year 1917-1918, dredge N_0 , 15 workel at this place, entring a clannel into the wharf to give better accombilation for boats of deeper draught and to enable the steam packet La Hare to make a handing. The area covered was 8,400 square feet with an average clength of 120 feet and an average width of 70 feet. The channel has an average length of 120 feet and an average width of 70 feet. The channel has an average length of 120 feet and an average width of 70 feet. The university of the state of the state of the state of the state of 30 per cent.

The dredge was employed from August 10 to August 30.

ST. PETERS NARROWS.

Dredging.

St. Peters narrows, Richmond county, are situated on the southern end of the Bras d'Or lakes, and, together with the St. Peters canal, form the connecting link for mavigation between the lakes and the Atlantic ocean on the south.

Owing to the crookedness and unrewness of the mavigable channel between the islands forming the narrows, the vessels approaching and howing the canal from and for the Bras d'Or lakes, were frequently delayed by high winds in the channel, and in order to avoid dangers and delays, it was desmed advisable to improve the navigation through the unrews by widening and struightening the mavigable channel at the worst points, and to deepon it to 18 feet at low lake level, which is the depth available in the canal.

The full scheme for the improvement of navigation in the marrows, involved the removal of 35,190 embine yards in place at different points, but owing to the large atomat of work to be done to effect the whole improvement, it was deemed advisable to remove, at present, only the most damerous points, which were between the southeastern end of Beaver island and the minihand.

The contract for the improvement of the channel involving the removal of 30,732 behavior of one and one of a set 115,500 space fost, was awarded to the Constal Drokeing and Construction Company of Sydner, N.S., at the rate of 2^{+} sector explicitly on the constant of the constant o

Operations were commenced May 2, 1917, and completed in a very satisfactory manner and in accordance with the terms and spirit of the contract on 12th July 'ollowing.

The full depth of 18 feet at low lake level in a width of 400 feet in the bottom, cas obtained, and the amount of material removed was found to be as follows:

$ \frac{1}{1} \text{cubic yards of } \in \mathbb{N}^{n} \\ 1 \\ 1 \\ \end{array} $	$\stackrel{(\mathbf{B}^{*})}{\stackrel{(\mathbf{A}^{*})}{\rightarrow}} \stackrel{(\mathbf{d}^{*})}{\stackrel{(\mathbf{d}^{*})}{\rightarrow}} \stackrel{(\mathbf{d}^{*})}{\stackrel{(\mathbf{d}^{*})}{\rightarrow}}$	n place at	28 cents \$5	\$8,354 75	
				\$8,629	84

The dredged area was thoroughly swept after the completion of the work, and the full depth of 18 feet at low lake level was obtained everywhere.

SHELBURNE.

Dredging.

Shelburne is a town situated 70 mikes northeast of Yarmouth and about 110 miles southwest of Halifax.

During the last fiscal year, dredge No. 7 removed 4,780 cubic yards, seow measurement, of material from portions of the upper part of Shelburne harbour. Work was commenced on September 24 and completed October 17, 1917. The dredging consisted of the removal of mud and some small rocks from the channel and approach to the McKay shipyard, situated at the extreme head of the harbour. The length of the cutting was 445 feet, the portion opposite the launchway being 100 feet long by 150 feet wide, whilst the remaining 335 feet in length was 50 feet width. Different portions of this channel and approach were dredged to a depth varying from 5 feet to 8 feet at L.W.O.S.T. The depth obtained was the greatest that could be practically gotten in the different sections, owing to fact that absolute hard rock bottom lies immediately underneath, but dredging was done in the channel opposite wharf of I. Clow; the frontage between his place and G. A. Cox's wharf; opposite Mr. Cox's wharves; and, at the request of the Shelburne Ship Builders, Ltd., tried to assist that enterprise by dredging in front of their shipyard; here we found an absolute ledge of rock after we had succeeded in removing about 80 yards of round cobble stones. The material in these latter places, from Clow's wharf to the Shelburne Ship Builders yard consisted of a hard clay formation, interspersed with small rocks varying in size from a diameter of three inches to one foot. Below this stratum, which in no place exceeded a foot in thickness, we found soft mud, but with the ladder dredge it was particularly difficult to penetrate the top stratum.

WEST DUBLIN.

Dredging.

West Dublin is an important fishing and farming district in Lunenburg county, about 14 miles from Bridgewater on the west side and near the mouth of the La Have river.

During the fiscal year 1916-17, the departmental dredge No. 15 removed 1,956 eubic yards scow measurement or 1,505 yards place measurement showing an expansion factor of 30 per cent. The work consisted of dredging a channel along the front of the whares about 275 feet in length, having an average width of 30 feet.

During the fiscal year 1917-18, the work consisted of the cutting of a channel by dredge No. 15, from deep water into and along the front of the whares. The area covered was 15,400 square feet, with an average cutting 33 feet, giving an average dopth at low water of 44 feet. The channel has a length of 376 feet and an average width of 41 feet. The material consisted of mud, the place measurement removed being 1,985 cuttie yards and secow measurement. 2,881 yards, giving an expansion factor of 300 per cent. The total cost in this fiscal year was \$1,345.94, the dredge working here from July 9 to August 4.

YARMOUTII.

(This work is described in the annual report for 1915.)

Yarmouth Bar. Yarmouth harbour, lies about NNE, and SSW. (true), and from the upper wharves to the month of the harbour is nearly 4 miles.

In 1917-18, the sum of \$553.37 was expended in minor repairs to a number of places in the 1,700 feet in length of beach protection, damaged by storms.

YARMOUTH,

Dredging.

In 1917-19, the dredge Canada, No. 7, removed 815 cubic yards, seew measurement, 409 cubic yards, place measurement, tword 24 miles. The work done consists in the widening of the turning berth opposite the Evangeline wharf, belonging to the D. A. Ry, at which the Boston steamers lie. Dredging was begun 7th Jananzy, and stopped 19th January, 1918, owing to ice conditions, which were unprecedentedly secret.

The dredging was comprised within a maximum length of 200 feet, by a maximum width of 50 feet; the maximum depth of eut was about 20 feet and the bottom of the cutting had a varying depth below L.W.O.S.T. of a maximum of 18 feet.

PRINCE EDWARD ISLAND.

ALBERTON.

Dredging.

(This work is described in the annual report for 1915.)

The village of Alberton, Prince Albert county, is situated on the northeast coast of the island at Cascumpeque harbour, about 55 miles by rail from Summerside.

While a depth of 10 feet at low water was earried on channel face of the wharf, the area immediately inward of the pichead was available only for very small bats, being about dry at low tide. In order to provide further shipping accommodation the forming of berths on either side at the outer end of the wharf was authorized, each to have a length of 155 feet and average width of 80 feet, gradhus in depth from 10 feet up to 5 feet at their inner end at low water spring tides. Work was commenced November 3 by D. P. W. dredge No. 11 and when suspender, November 20, a berth had been formed on the southern side of the wharf immediately inward of the southern "L": it has a length of 90 feet and width of about 75 feet arrying an average depth of 7 feet at low water spring tides, providing sufficient protection and shelter for wintering the plant in safety.

The quantity of material removed between the above dates was 2,200 enbic yards, seow, and 1.500 eubic yards, place measurement, of overeasting, which consisted principully of mud and hard snah, all overeas sting being dredged and seowed away.

BEACH POINT.

Dredging.

Beach point, Kinga county, is situated on the couth side of the entrance into Murray harbour. From the "point" a sand and mud spit, which is dry at low water, extends in a vesterly direction along the edge of the channel a distance of about one mile and encloses between it and the shore a basin having a depth of from 13 to 3 few at low water, affording good shelter and anchorance for fishing boats. To make this abdieter available at all stages of the tide, a small channel was dredged during seasons of 1990 and 1990 from the deep water outside in the basin a distance of about 400 fort. As the channel has been found inadepunct, further dredging improvements word commended by "D.P.W." dredge Ao. O August 20 and carried on until Nov endor 13, when orders were received to take up winter quarters. During this period, 12,068 endie yards, scow, and 13,690 endie yards place measurement vereasting of sand and wud vere tenneved; practically all of the overeasting being redredged and severe aver.

The improvements undertaken consist of forming a new channel to carry 7 feet at low water pring tides about 400 feet to the westward of the old cut and having a

total length of 950 feet, including turning basin at inner end, 250 feet in length, parallel to the shore; the width of approach from deep water to the basin being from 60 to 65 feet. When operations were suspended, November 3, about 400 feet of the approach was completed to the depth required.

BRIDGETOWN.

Dredging.

(This work is described in the annual report for 1916.)

The village of Bridgetown is situated at the head of navigation on the Grand or Boughton river, Kings county.

Work was commenced May 21, 1917, and carried on continuously until July 28 when satisfactorily completed; the quantity of material removed was 33,700 euble yards, scow measurement, of principally soft mud. The improvements made covering the three seasons involving the removal of 57,600 cubie yards, consisted of deepening and struichtening the channel from about 1,200 feet below Robertson's creek up to the wharves just below the village a distance of 5,050 feet, the width of cut being 70 feet with exception of the upper 500 feet which was made 100 feet wide to form a turning hasin. The average depth carried over all the work on completion was 9 feet at low water spring tubes, which here have a range of 5 feet.

MCPHERSON'S COVE.

(This work is described in the annual report for 1916.)

McPherson's cove, Kings county, is situated on the south side of the Grand or Boughton river, a short distance within its entrance into Boughton bay.

During the past season some slight settlement caused by storms to the roadway approach was made up with broken stone; commenced work September 22, and completed 29.

Dredging.

To facilitate shipments some improvement has recently been made in size and depth of berths on each side of the picrhead, D.P.W. dredge N.9 working from July 30 to August 8, removing in that time 4,100 eubic yards, sew measurement, of mud. During progress of work, it was necessary to overcast 400 eubic yards, place measurement, in order to obtain floation for the plant; this material being afterwards redredged and scowed away. The work done consisted in elecaning up shipping berths on either side of the pierhead, each berth having a length of 100 feet; their entrance being "bellmouthed" to a width of 90 feet in line with outer end of wharf, thence narrowing down to 30 feet at inner end; the depth made grading from 10 feet up to 74 feet al 100 water spring tides.

RUSTICO.

(This work is described in the annual report for 1909.)

Rustice harbour is situated on the north coast of Prince Edward Island, about midway between North point and East point, and 9 miles northerly by road from Hunter river, the nearest station on line of the Prince Edward Island railway.

Some strengthening of the beach protection work, situated immediately within the harbour entrance near the back range light, was commenced August 7, satisfactorily completed September 15, and consisted of driving twenty piles along the channel face of the work and making up some small settlement which had occurred in the brush and stone filling.

RUSTICO.

Dredging.

Oving to the shoal depth of water carried over the greater portion of Ganthier's creek, only the smallest class of fishing boats could reach the village at low water. In order to make the head of the creek accessible at all stages of the tide, improvements of the channel approach thereto were commenced by the departunctal drafege No. 11, October 26, 1916, but shortly afterwards suspended awing to the plant being ordered into winter quarters. Operations were, however, resumed again May 31, 1917, and carried through to a satisfactory completion. October 17: the quantity of material removed during this time was 29,275 cubic yards, seew measurement, of principally mud, sand, and brick class. To facilitate the working of the plant in front of the fishing stages at upper end of cut it was necessary to overent 3,290 cubic yards, place measurement, of mud, about half of which being afterwards redredged and second awar.

The work done covering the two seasons consisted of forming a channel through the flats from point where abandoned in 1891 up to a small basin near the fishing stages below the village. This channel has a length of 2,350 feet and width of 60 feet, carrying on completion 8 feet at low water spring tides.

Improvement was also made in depth of water along the outer end of fishing stages located at the head of the creek for a distance of 500 feet, the depth now available being not less than 44 feet off any stage; while the turning basin adjoining was enlarged and deconcel to an average of 7 feet at low water spring tides.

Included in the above quantity is 700 cubic yards, scow, and 300 cubic yards, place measurement, overeasting, of hard sand, rem ved to form berths for small vessels in front of a heach protection work 200 feet in length, situated just within the harbour entrance. The dredge was employed at this work from July 17 to 20; the depth made being 9 feet at low water sortine tides.

Some silting in may be expected from time to time, particularly in front of the stages where the material excavated was very soft.

Before the dredge left Rustico authority was given to clean up the area in front of Mr. Joseph Galant's wherf, which is situated about 23 miles in a southwesterly direction from the harbour entrance at the village of Rusticoville. The dredge operated here fant days, October 23 to 28, removing 700 cubic yards, seew measurement, of mal and sand. The lecth formed has a length of 150 feet and average width of 40 feet, carrying a depth of 8 feet at low water spring tides.

NEW BRUNSWICK.

DASS RIVER.

The Bass river is a small tributary of the Richibueto from the west, and enters the latter about 40 miles about its mouth.

Between the 10th and 10th July, 1917, a small handing wharf was built at Bass fiver at the head of navigation and about 3 miles above its junction with the Richiburto.

The handing is constructed of crilwork 8 feet wide with a frontage of 75 feet and wines extending shoreworks 25 feet at cash end. The interior is filled and surfaced with ballast and carb and behind the handing an area about 75 to 12 feet wide and extending back about 100 feet to high ground was graded with 2 to 3 feet of brank and about 14 feet of earth. The lower side of this area was protected by a single free timber hald over side and with several short crossecties on top embedded

BATHURST.

(This work is described in the annual report for 1916.)

Bathurst, the shire town of Gloucester county, is situated on the south shore of Chalcur bay.

On the main or Nipisiguit channel, about 3-6 miles long from the harbour entrance to the berth and turning basin at the pulp mill, the required width of cut is 200 feet, increased to 300 and 350 feet at the turns, and depth 17 feet at low water.

The turning basin and berth together will have an average width of 450 feet, length of 900 feet and depth of 21 feet at low water.

Dredging is also required in the branch channel at the Gloucester Lumber and Trading Company's and the Geo. Eddy Company's wharves where the proposed eat is 100 feet wide, 2000 feet long and 12 feet deep at low water; and in the middle river channel about one mile long past the Bathurst Lamber Company's wharves in Bathurst village to the departmental wharf, where 15 feet at low water is required.

The cut across the outer bar is about 1-7 miles long of which the greater part has been dredged to the required width of 200 feet and depth of 17 feet at low water. On this section and also in the main channel inside the harbour a final depth of 25 feet at low water is called for.

Dredge P.W.D. Xo. 2 was at work in the past season between 13th October and 7th November on the Nipisiguit bar in the middle river channel, where about 12,600 cubic yards of sand and elay were removed in deepening a section about 500 feet long and 100 feet wide about 1,600 feet above the Forks, where previously were depths of about 10 to 13 feet.

Dredge P.W.D. No. 3 was at work between 28th August and 27th September and on the 2nd, 3rd, 12th and 13th October on the Ripple and Ballast bars, in general removing sand and gravel, to the extent of about 29,176 cubic yards, accumulated since the dredging was previously done here.

This dredge worked on the Outer bar between 20th May and 27th August, on the 20th and 29th September, and between 5th and 9th and 16th and 16th October, removing about 85,221 cubic yards of sand and gravel, covering the greater part of the channel across the bar and deepening the outer 4,000 fect where filling-in had occurred.

The limiting depth in the channel is now about 141 feet.

The total quantity removed during the fiscal year was about 126,997 cubic yards barge measurement.

CAMPBELLTON.

Dredging.

Campbellton is situated on the south shore of the Restigouche river about 16 miles above the month.

At the dep-water whares, where berths with 22 feet at low water ordinary spring tides are required to enable lumber stemmers to lie afloat and take full loads, dredge P,W.D. No. 2 was at work between 9th July and 10th August and between 13th and 15th, and 17th spettember, 1917, when a total of 27,550 eulies yards hargmeasurement was removed. The berth on the outside of the wharves was dredged to about 20 to 22 feet at low water for a length of about 900 feet and width of 500 feet and width of 50 to 157 feet.

The material was mud, sand, and gravel.

CHURCH RIVER.

Dredging.

The Church river enters Miramichi bay about 24 miles northeast of Chatham.

A contract was entered into an August 9, 1916, with Mr. F. A. Fowlie for the removal of 14.000 cubic yards barge measurement, at the rate of 35½ certs per cubic yard, in dredging cuts 40 feet wide to 3 feet at low water across the lower shoal and to 23 feet across the upper shoal. The length of the two cuts was 600 feet and 2,320 feet respectively.

During 1916, 6,568-9 cubic yards were removed in making a cut about 1,900 feet long across the upper shoal.

Dredging was in progress between 23rd May and 2nd August, 1917, when the work was completed.

A total of 14,421.7 cubic yards, barge measurement, was removed, from which a deduction of 311.7 cubic yards was made for dredging below subgrade.

The total place measurement quantity was 12.783-3 cubic yards and the expansion factor was 15-4 per cent in the work of the first season and 27-85 per cent during 1917.

FORD'S MILLS.

Dredging.

Ford's Mills is a farming and hundering settlement at the head of uavigation on the Coal branch, a tributary of the Richibucto river.

Between 17th October and 13th November, 1917, the shoal section was dredged by day labour, a small orange-peel dredge *Farmer's Friend* being procured from the Welsford Agricultural Society at a reutal of \$14 per day, including wages of engineer and cost of gasolene, oil, and repairs.

A cut was made about 315 feet long, 20 feet wide and 1 to 11 feet deep across a sand har or shoal at the lower end, and in a length of about 1.250 feet at and below the landing. Shoal sections were dredged and a large amount of slabs and other mill refuse, etc., was removed leaving a channed about 20 feet wide with a depth of 1 to 11 feet at low water, giving sufficient width for the secons and depth at half tide and over.

The material was east over, being deposited on a seew by the dredge bucket and shovelled off at the opposite side to keep it far enough from the cut.

KOUCHIBOUGUAC RIVER.

Dredging.

The Kouchibouguae river enters the gulf of St. Lawrence about 12 miles north of Richibueto.

Between 17th September and 6th October, work was in progress to reduce a bar below a dam about 9 miles above the mouth which had an area of about 80 by 100 feet and was lowered about 2 to 3 feet.

The dredge used was the St. Louis Star, belonging to the St. Louis Agricultural Society, for which a rental of \$15 per day, including wages of engineer and cost of gasolene, oil, etc., was paid.

AIDDLE ISLAND.

Dredging.

Middle island is the quarantine station for the Miramichi river, and lies opposite the lower end of the town of Chatham.

In order to give a sufficient channel between the island and the mainland for the

small motor-boat used by the quarantine officer and the carctaker, dredging was unthorized under an agreement with Mr. Peter England, and was undertaken between 6th and 20th June, when a total of 2,003-1 cubic yards barge measurement was removed with the dredge *Peter England* at the rate of 40 cents per cubic yard barge measurement. The material was much, firm clay, gravel, etc.

A cut was made about 600 feet long, 20 feet wide and with 2 to 3 feet at low water where was previously a least depth of about 1 foot.

The approach to and berth at the wharf formerly dry or nearly dry at low water were deepened about a foot in a width of 20 to 30 feet and length of about 150 feet.

MOULIES RIVER.

Moulies river, Kent county, is a small branch of the Richibucto, entering the latter from the west about 17 miles above its mouth. It is navigable for small boats and scows for about three miles.

Between 4th and 18th September, 1917, a small wharf, to be used as a landing place and storage ground for shell mud, was constructed at the lower side of a highway bridge at the head of navigation on the Moulies river.

The landing has a frontage of 95 feet, and consists of cribwork 8 feet wide with a wing of the same extending 50 feet to the shore at the lower side.

The cribwork is filled with stone and surfaced with earth and the area behind the cribwork is graded with earth and gravel.

The expenditure for the fiscal year 1917-18, was \$293.52.

RESTHOUCHE RIVER.

Ship Channel.

On 36th and 37th September dredge P. W. D. No. 2 removed about 1,200 cubic yards from the channel on the range of the Campbellton lights, about one-half mile below the despwater wharf.

The least depth on this range which embraces the upper 8,500 feet of the ship channel is now about $13\frac{1}{2}$ feet at low water.

Between 22nd October and 10th November, dredge P.W.D. No. 3 worked on the Oak Point shaal, removing about 30,247 cubic yards, barge measurement, in a length of about 1,000 feet, giving depths of 10 to 15 feet where previously were about 14 to 17 feet at low water. The dredge did not, however, reach the turn to ""The Traverse" or range of the Oak Point lights, where is now a least depth of 13½ feet at low water, the limiting depth in the channel to Campbellon.

RICHIBUCTO CAPE.

Dredging.

Richibucto Cape is a fishing station and settlement on the Northumberland strait, about 6 miles south of the entrance to Richibucto harbour.

Since there is no natural harbour, a breakwater has been constructed giving a sheltered atea of about 2-8 arcs. Shoaling having occurred in the approach to the arca inside the breakwater, dredging was undertaken by day labour between 9th July and 7th September, 1917, when areas about 200 feet square inside the pierhead and 70 feet square the entrance, where were previously depths of from 1 foot above to 1 foot below low water, ordinary spring tides, were deepened to $2\frac{1}{2}$ to $3\frac{1}{2}$ feet at low water.

The clam shell dredge *Excavator* and two scows belonging to the McLaughlan Co., Ltd., of Buctouche, were employed at a rental of \$21 per day, including wages of engineer and cost of gasolene, oil, and repairs.

The total quantity removed was 5,071 cubic yards, barge measurement, and 100 cubic yards overeast, and the cost was 29 cents per cubic yard, barge measurement.

ST. CHARLES RIVER.

Dredging.

The St. Charles or Big Aldouane river flows into the northwest arm of Richibucto harbour about 4 miles northwest of Richibueto.

Work was in progress by day labour between 9th and 31st October, 1917, when cuts 9 inches to 2 feet deep and 12 to 15 feet wild very emade in a total length of about 1,345 feet across several shoal sections of the river channel and in the approach to the lower landing or Gravi's wharf (so called). The material removed, consisting of sand and mud, amounted to 1,265 cubic yards, and the cost per cubic yard was 38 cents.

A small orange-peel dredge, *The St. Charles River*, belonging to the local Agricural Society, was employed on the work at a rental of \$15 per day, including wages of engineer and cost of gasolene, oil, and repairs.

ST. JOHN HARBOUR.

Berth No. 16.

The contract for the erection of shed No. 16 was completed by the contractors carry in June. The contract warded Messrs. Kane & King on December 22, 1916, for 5,000 yards rock ballast to be placed in the rear of the wharf wall to counteract the reaction of the weight of concrete on cribwork, was also completed in June. Periodic observations of alignment and level are being taken along the concrete face of the wharf, and so far no further settlement has occurred.

Shed No. 16 is 788½ by 90 feet, and has a safe floor load of 400 pounds per square foot.

General repairs to wharves, etc.

On account of all structures in the harbour being of timber, the annual maintenance and repair is considerable. The repairs carried out during the season were: shed roofs, floating fenders, vertical fenders on wharves, etc.

Deep-water berths.

During the sensor, the deep-water berths in the harbour were dredged to a uniform depth of 32 feet. This was performed by contract, 17,159 cubic yards being removed at an expenditure of 86,924.82.

Grain conveyor galleries, shed No. 5.

On the 13th June, a portion of shed No. 5, on which the grain conveyor galleries, sected in 1944, were placed, collapsed and wrecked about 300 for of grain conveyor galleries. Work was immediately commenced to salvage as much as possible of the conveyor machinery.

On November 9, a contract was let to Messrs Grant & Horae for the rebuilding of conveyor ralleries, and the work of installing matchinery was carried out by the department's forces, by day inbour, under the supervision of the Metealf Company of Montreal.

Repairs to sheds 14 and 15.

During extreme high tides, accompanied by heavy winds, considerable loss and inconvenience has, in the past, been experienced at sheds Nos. 14 and 15, by the water washing over the berth on to the shed floor. To obviate this damage, the floor on both these sheds has been raised about 6 inches. During two severe storms, since this work was completed, no inconvenience has been felt.

Platform No. 15 shed.

During the severe storm of October 30 and 31, about two hundred feet of platform, No. 15 berth, was torn up; this was replaced at an expenditure of \$660,50.

Fort Dufferin Breastworks.

Two severe storms in January and November, 1916, entirely destroyed two portions of the breastworks. Work of repair was started and was fairly well advanced when the heavy storm of October 30 and 31 last, washed away practically all the work under construction, in addition to about 163 feet of the existing work. One portion of the breastworks, about 110 feet in length, has been completed.

Negro Point Breakwater,

During the season, plans were prepared for the extension of the breakwater. Borings and investigations were made on Partridge island to ascertain if the rock was suitable for the breakwater. It was found that a considerable quantity of suitable rock could be obtained at this place, and the Common Council of the City of St. John, on the 30th January last, granted permission to obtain rock on the island.

PARTRIDGE ISLAND LOW-WATER LANDING.

Authority was given to rebuild the extension to the low-water landing which was constructed to facilitate the landing of passengers, chiefly military, at low stages of the tide; the work has been completed.

ST. NICHOLAS RIVER.

The South Branch is a small stream entering the St. Nicholas river, Kent county, about 4 miles above the mouth of the latter into the Richibucto.

Between 3rd and '17th and on 30th July, 1917, a small wharf was built near the head of navigation on the South branch, i.e., about one mile above its mouth.

The wharf is intended for the landing and storing of shell mud, dredged near the month of the river and used as a fortilizer, and is 72 force long and 5 tires high on the outer face, with wings carried shorewards about 25 foet; the cribwork of front and wings is 8 foet wide; a strip 14 to 15 foet wide along the front is planked, behind which the wharf is surfacel with gravel, and a right of way about 340 feet long to the public road was graded and fenced.

SHEDIAC BAY,

Dredging.

The site of the dredging is in the approach to the Grandigue wharf in Shediac bay or the northern end of Shediac harbour, 5 miles north of Shediac.

Dredging has been in progress in the last four years in the berths at and approach to the wharf, the total length of the latter being 2,750 feet.

To give a general width in the approach of 35 to 40 feet, a section about 1,300 feet long previously only about 18 feet wide was widened during the past senson where the depth is about 5 to 6 feet at low water.

Work was in progress in broken time between 17th September and 14th November, and the total quantity removed was 2,555 cubic yards barge measurement and the cost 40 cents per cubic yard. Material, mud.

SHIPPIGAN GULLY.

Dredging.

Two sharp bends in the channel inside the gully have made navigation difficult, therefore at different times dredging has been undertaken to give a straight course from the gully inwards towards Shippigan harbour.

During 1917 the removal of the outer point or bend was begun by dredge P.W.D. No. 13, an area about 550 by 75 feet being dredged to 9 to 10 feet at low water ordinary spring tides where the least depth previously was 4 to 5 feet.

The lower end of the channel across the inner bend was completed, an area about 600 feet long and 0 to 100 feet wide, starting about 1,300 feet inside the breakwater at the gully, being dredged to about 9 feet at low water. At the uppper end of this ehannel, which has a total length of about 2,500 feet, two partial ents were made through a shoal section about 1,000 feet long, the larger cut being about 700 feet long by 30 to 60 feet wide and the depth renabed was about 8 to 9 feet.

Work was in progress between 9th July and 29th August and on seattered days when the weather permitted up to the 19th October.

The materials removed amounted to 25,662 cubic yards, barge measurement, of mud, sand, and gravel.

SHIPPIGAN HARBOUR.

Dredging.

Between 29th June and 6th July and, at different times between the 1st September and the 12th October, dredging was undertaken by dredge $P_{\rm WLD}$. No. 13 to deepen and extend the berths at the Shippigan public wharf which is situated at the terminus of the Caraquet railway, and 3 miles from Shippigan gully.

The berth along the inside of the pierhead, 75 feet long, was partly dredged to a width of about 45 feet, and beyond the pierhead a foundation for a proposed 100-foot extension and berth was dredged to 10 to 12 feet at low water. Dredging is still required for berths along the inside of the wharf shorewards of the pierhead for a total length of 260 feet.

Along the outer or southern side of the wharf, dredging was done in a length of about 305 feet and average width of about 80 feet to extend the berths shorewards. Dredging is still required elose to the face of this section of the wharf which was elose piled to prevent settlement of the blocks.

Depths of 7 to 8 fect were given where there was previously 1 to 2 feet at low water.

The total quantity dredged was about 27,041 cubic yards of mud, which includes about 11,731 cubic yards overeast, much of which was afterwards removed in scows and is included twice in the larger figure.

QUEBEC.

BATISCAN.

Dredging.

Batiscan is situated on the north shore of the river St. Lawrence, in the county of Champlain, 101 miles below Montreal,

During the summer 1915, a 12-foot entrance channel to the government wharf was dredged, and the object of the dredging undertaken last fall was to maintain at its

original depth of 12 feet, the western branch of this entrance channel where filling in took place.

The work performed by La Cie Générale d'Entreprises Publiques, between October 3 and November 7, 1917, consisted in the removal, over an approximative area of 300,000 square feet, of 23,704 cubie yards of sand, seew measurement, at 18 cents a cubie yard.

CAUGHNAWAGA.

Caughnawaga, a post village in Laprairie county, is situated on the south shore of river St. Lawrence,

From September 17 to November 15, 1917, departmental dredge No. 119 removed some 2,561 cubic yards, scow measurement, in making a temporary channel, leading to government wharf, also removed a few stones in front of wharf.

Dimensions of work done: a channel 168 feet long, parallel with G.T.R. wharf, by 95 feet wide, average, to a depth of 9 feet below extreme low water level, or 0 foot gauge.

Hours of actual dredging, 2604; cut from 15 to 18 feet wide; face removed from 1-6 to 6 feet; distance advanced, 1,474 feet; dumping ground within 1 mile, in a deep place, in river St. Lawrence, opposite Caughnawaga.

CHICOUTIMI.

Dredging.

The dredging between Ste. Anne and Chicoutimi was done by the departmental plant "Steam Derrick."

The object of work is to allow the ferry plying half hourly between Ste. Anne and Chicoutimi, to fulfil the service at any stage of tide.

During the present fiscal year, only 2,650 cubic yards of clay and boulders have been removed near the Basin wharf; more attention was given to the removal of big boulders obstructing the channel on the Chicoutimi side, and near the Ste. Anne where 593 cubic yards of boulders have been removed.

The work consists in the dredging of a channel giving 6 feet of water across the Saguenay between Ste. Anne and Chicoutimi basin wharves.

CONTRECŒUR.

Contrecœur is an incorporated village and station in Chambly-Verchères county, on the south shore of river St. Lawrence.

From 25th May to 29th June, 1917, departmental dredge No. 106, worked here, and removed some 12,078 cubic yards, scow measurement, of clay and a little sand, easy to dredge.

Dimensions of work done: one cut 1450 feet long, by 50 wide average at bottom, to 3 feet below extreme low-water level, or 0-foot gauge at Contreceour wharf, corresponding to elevation 19.09. Hours of actual dredging, 2501; face removed from 2 to 5 feet; distance advanced 1,409 feet; dumping ground 2 miles downstream, in a deep place, north of Contreceur channel, close to a small island, where no damage will result, and material placed to leave 5 to 6 feet at low water.

The site of dredging done is situated 3,500 feet, upstream of Government wharf, at Contreeœur, between the shore and He aux Rats.

DOUCET'S LANDING.

Doucet's Landing or Ste. Angele de Laval, Nicolet county, a post village on the south shore of the river St. Lawrence, directly opposite Three-Rivers, to which it is connected by steam forry.

19 - 2

Dredging was done in front of the Grand Trunk Railway wharf in order to afford sufficient depth of water by removing 2,190 yards in situ, or 2,910 cubic yards, seow measurement, expansion factor 33 per cent, of class B material, clay, saud, and small boulders.

The area dredged, of irregular shape, covers 1,550 square yards; the average depth of eut being 4-5 feet.

An agreement was entered into with La Compagnie Générale d'Entreprises Publiques to do the work at the price of 30 cents per cubie vard, scow measurement.

In order not to interfere with the traffic, the work was done during nights by dredge Welland, attended by tug Denisa, between November 10 and 12, 1917.

GRENVILLE CANAL.

Grenville is located on the north shore of the Ottawa river, about 58 miles below the city of Ottawa.

During the period, June 18 to 23, the departmental dredge No. 103 worked immediately below the second lock, cleaning the canal of rock which had fallen in from the bank.

An area of $\$_1$ 50 square feet was dredged to grade 10 feet on a length of 200 feet and 25 to 43 feet in width. From 1 to 11 feet of 16 linestone was excavated, a total of 455 yards was removed; 333 being east over on the bank, and 120 spoiled at the old dumping ground outside the canal entrance.

НА НА ВАУ.

Dredging.

This dredging has been performed at Port Alfred situated on the east side of Ha Ha bay, between St. Alphonse and St. Alexis, where the Ha Ha Bay Sulphite Company has creeted a powerful chemical pulp mill.

The object of this work is to facilitate the approach, by ocean steamers, to the company's wharf.

The dredging was performed by the departmental dredge No. 115; work was started on 25th May and continued until 30th June.

The channel, 90 feet wide, commenced in 1916 was continued inwards a further 190 feet and to a depth of 16 feet below low water spring tides.

The material was very soft clay, and some difficulty was experienced in performing the work.

H.E. AUX FOINS,

He aux Foins is the most upstream of the group of islands in river St. Lawrence, at the head of lake St. Peter, between Sorial and Berthier.

The area dredged was obstructed during the ice shove of 1916, which had deepened the channel, at some places, from 10 to 18 feet and, at other places, nearly blocked it.

From the 3rd July to 16th October, 1917, departmental dredge No. 106 worked here and removed 20,067 cubic yards, seew measurement, of sund and elay, in compleing a channel for ferribolat and traffic between Sorel and Berthier.

Dimensions of work done: 650 feet long, parallel with range of lights, by 260 feet wide; upstream of range of lights, or immediately at foot of He aux Foins, 1,180 feet long, parallel with channel, by from 20 to 100 feet wide, to a depth of 10 feet below extre me low water peed, or 30 feet on Marine gamge at Sorel, Que.

LAC ST, LOUIS.

The site of dredging is situated at the intersection of St. Lawrence and Ottawa rivers main channels, in lake St. Louis, 3 miles upstream of Lachine.

The object of dredging is to facilitate the passage of boats drawing 14 feet of water.

From 16th May to 15th September, 1917, departmental dredge No. 123 worked here, removed some 29,550 cubic yards, scow measurement, in making 14-foot depth, clear at low water on the north side of main channel, completing 41-6 per cent of the whole project.

Dimensions of work done: one ridge situated on the north side of main channel, starting some 1300 feet upstream of lower light of main channel, 700 feet long, paralled with main channel, by 100 feet wide average to 14 feet clear at low water; a second ridge, situated on the same side of main channel, starting at 2,200 feet upstream of lower light, on a length of 1,200 feet by 80 to 100 feet wide average, to a depth of 14 feet.

Hours of actual dredging 773_4 ; cut, 35 feet wide; face k-moved, from 1 to 7 feet; distance advanced, 4,846 feet; dumping ground 2 miles downstream, immediately opposite upper light of new range, in a deep place, some 1,860 feet south of main channed, around a buoy, which has been placed by the Marine Department for that purpose.

LAPRAIRIE.

(This work is described in the annual report for 1916.)

Laprairie, a town in Laprairie county, on the south shore of the St. Lawrence, and a station on the Grand Trunk Railway.

(A) Dyke.—Contract.

During the fiscal year 1916-1917, the Duranceau & Poupore contract was cancelled. Total cost of contract, \$75,685.

Another contract was given by the Dominion Government on November 18, 1916, to the Carleton Construction Company to complete the dyke on its improvements at the estimate cost of \$79,420.47. No work had been done by the contractor on this contract during fiscal year 1916-1917.

On May last, the Carleton Construction Company began their work; as the progress of work was not satisfactory, the company was repeatedly warned that their contract would be cancelled, and the company showing no improvement in their progress, their contract was cancelled on August 8, last.

On September 5, a contract was entered into with Quinlan & Robertson Co. to complete the work on the dyke at actual cost plus 10 per cent.

The total expenditure incurred by the contractors during fiscal year 1917-1918, amounts to \$127,079.13, and work done is as follows:---

Western wall excavation.—Stone footing completed for a distance of 4,300 feet; wall extended and rebuilt completed on a distance of 4,000 feet; concrete wall protection completed for a distance of 2,700 feet completed to a height of 7 feet on a further distance of 325 feet.

Curb and Gutter.-Completed on the western side for a distance of 2,540 fect: completed on the eastern side for a distance of 1,620 feet.

Eastern wall.—Completed for a distance of 2,700 feet; and completed to a height of 7 feet on a further length of 400 feet.

Bridge.—The piers were raised about 4 fect, two additional beams were placed; the cross beams were riveted in place, and a new concrete flooring was laid.

No expenditure was incurred on the macadamized roadway this year.

Plank roadway.—During the present fiscal year, the plank roadway and temporary bridge were maintained in good order. Nearly all the planks were renewed by day labour.

 $19 - 2\frac{1}{2}$

Protection wall.—A wooden crib extension of the concrete completed by the Department in 1906 in front of St. Joseph Academy was rebuilt in concrete on a length of 46 feet, height 12 feet and average thickness 2 feet.

LONGUEUIL.

Longueuil, is a post town, in Chambly-Verchères county, Montreal district, on the south shore of river St. Lawrence, opposite Montreal.

During 1917, the department undertook four different dredging improvements at Longueuil: (a) Canada Steamships; (b) Government wharf; (c) Shoal; (d) Test dredging.

A. Canada Steam.

From the 14th May to 14th July, 1917, departmental dredge N_0 . IIO removed some 27,005 cubic yards, scow measurement, of material in completing a channel for the ferryboat, plying between here and Montreal, from the beginning of April to the middle of December.

Dimensions of work done: 450 fect long parallel with eurrent, by a few hundred fect wide, to a depth of 12 feet below extreme low water level.

Hours of actual dredging, 266; cut 35 feet wide; face removed, from 1 to 6 feet; distance advanced, 4,267 feet; dumping ground, 33 miles maximum, on the northwest side of river St. Lawrence; minimum, 2 miles, the whole under the supervision of the Montreal Harbour Commission.

The site of dredging done is some 1,500 feet from Canada Steam Lines wharf, in river St. Lawrence, elose to main channel, immediately below Longueuil shoal.

B .- Government Wharf.

From 21st July to 1st October, 1917, departmental dredge No. 110 removed some 21,130 eubic yards, seew measurement, of material in completing an 11 to 12-foot ehannel and basin leading to government wharf.

Dimensions of work done: 340 feet parallel with face of wharf and 650 feet outer, by 260 feet wide average, to an average depth of 12 feet below extreme low water level, or 0-foot gauge at Longueuil. The material removed was clay, boulders, and hardpan.

Hours of aetual dredging, 3204: cut from 35 to 40 feet wide; face removed from 4 to 6 feet; distance advanced, 5,712 feet; dumping ground, 2 and 3 miles downstream, on porthwest side of river St. Lawrence.

The site of dredging doue is immediately opposite government wharf.

The total quantities removed here from 1913 to 1917, inclusively, are 148,752 eubic yards, seew measurement.

C.- Longueuil Shoal.

This shoal is a permanent obstruction to local navigation, and dangerous to the ferryboat, drawing 114 feet of water, plying between Montreal and Longueuil and making seventy trips daily.

During season 1917, half of the whole project was done, and tugs with tows have used the portion already dredged.

From 16th July to 22nd November, 1917, departmental dredge No. 110, removed some 58,950 cubic yards, seow measurement, of clay, sand, and hardpan.

Dimensions of work done: 1.500 feet long, parallel with current, by a few hundred feet wide, to a depth of over 12 feet below extreme low-water level, or 0-foot gauge at Longueuil.

Hours of actual dredging, 3422; cut, 35 feet wide; distance advanced, 7,699 feet; dumping ground, 32 miles downstream.

The site of dredging done, is situated some 1,500 feet opposite Canada Steamship Lines wharf, at Longueuil, in river St. Lawrence.

RESTIGOUCHE RIVER.

Dredging.

Champoux Wharf, Quebec: The Champoux wharf lies in Bonaventure county, Quebec, on the Restigouche river, opposite Campbellton.

Dredging is required here every few years to enable shipments of lumber to be made from the Chaleur Bay mills.

Between 13th August and 11th September, 1917, dredge P.W.D. No. 2 was at work in the berth along the outer face of the wharf covering an area about 450 feet long and 100 feet wile, and giving depths of about 19 to 23 feet at low water ordinary spring tides. The inside berth, about 250 feet long by 75 feet wide, was also dredged to about 13 to 15 feet.

The material removed amounted to 13,600 cubic yards barge measurement of mud, sand, gravel, etc.

RIMOUSKI,

(This work is described in the annual report for 1916.)

The town of Rimouski, chef-lieu of the county of the same name, is situated on the south shore of the St. Lawrence river, 180 miles below Quebec.

The work done during the last nine months consisted in the sinking of the remaining caissons, aggregating a lineal length of 800 feet; building a trestle between the old and new wharf.

The superstructure on the caissons sunk this year has been begun; filling was done to the extent of about 15,000 cubic yards, but work was stopped on account of the sliding out of the new wharf, and dredging was done to the extent of 96,511 cubic yards in the tidal basin.

Expenditure, about \$65,000.

RIVER SAGUENAY,

Dredging.

The channel in the Saguenay river starts from the town of Chicoutimi down to the foot of the Battures, a distance of 8 miles.

The object of the dredging is to provide a channel, 250 feet in width on tangents, 350 to 500 feet in width on the curves and affording a minimum depth of water of 16 feet at extreme low water.

During the present fiscal year, the departmental dredge No. 115 removed 60,604 cubic yards, scow measurement.

The operations were started 2nd July, and suspended 6th November.

The material was sand and clay, and clay with boulders.

Since the beginning of the enterprise, the channel from Chicoutini wharf to deep water is clear of all obstructions and affording a minimum depth of 16 feet of water at extreme low water, except on the north side of the intersection of the last two courses, where a lump has been left, but this is not much obstruction, as it may be buoyed, as was done in the fall 1917.

ST. MAURICE RIVER.

Dredging.

(This work is described in the annual report for 1917.)

The river St. Maurice flows through the Laurentian mountains, a distance of about 300 miles, and discharges in the St. Lawrence river at Les Toris-Rivières. The outlet is divided by islands into three branches called the Eastern, the Middle and the Western Channels.

Between 27th August and 5th October, 1917, the contractor removed, over an area of 234,700 square feet, 94,187 cubic yards of sand, scow measurements at 10 cents a yard, forming a total of 139,521 cubic yards, scow measurements of material removed during the two sensons 1916 and 1917, over a total area of 383,400 square feet, or 107,290 cubic yards, place measurement, gring an expansion factor of 30-3 per cent.

ONTARIO.

BYNG INLET.

Byng inlet, Party Sound district, is situated on the Magnetawan river, about 3 miles from the mouth at Georgian bay, and is a village of about 1,500 population.

Bredging was done where required in the channel 6,045 feet in length, 200 feet in width and to a depth of 20 feet below the zero of Georgian bay, elevation 580.0, from the mouth of the river at Clark's island to the Canadian Paeifie coal docks. The average depth of eut was 8.0 feet.

The work was performed by the government dredge P.W.D. No. 109, and work was commenced June 7 and completed August 11, 1917.

The material removed amounted to 53,336 cubic yards in situ, or 74,948 cubic yards, seow measure, class "B" material, and consisted of mud, sand, and clay. All material was scowed out to Georgian bay, an average towage distance of 3 miles.

CARDINAL.

This work consisted of cleaning out an area of 3.06 acres in the Old Cardinal canal to connect the email basin with the main channel of the river 8t. Lawrence, in order to provide sufficient depth to allow vessels of 14 fect draught to dock at the Canada Starch Company's wharves at extreme low water. Work was done 26th September to 16th November, 1917, when 16,250 yarks place measurement, or 24,660, seew measure, of elay, sand, and boulders were removed by departmental dredge N_{δ} , (23).

COBOURG.

Dredging.

Authority was given to accept the offer of the Robert Weddell Company to remove by dredging 7,127 entity synch, place measurement, from the harbour, at the rate of 30 cents per cubic yard, place measurement, to provide a depth of 20 feet below low water over the shoal areas as the eutrance, which said shoal areas extended easterpt from cast end of west breakwater across harbour mouth, and were a source of considerable tranhe to the Outrairo Car ferries in eutrain and heaving the harbour.

An amount of 900 cubic yards, place measurement, was authorized to be removed in the lower end of slip at enr ferry dock: this amount to be in extension of the 7.427 cubic yards under contract with the R. Weddell Company.

The work done in the inner harbour consisted in dredging to a depth of 22-5 feet, a section 40 feet in width by 125 feet in length, at entrance to car forry slip, so as to permit car forries to submerge the'r bows and so raise stern in order to make repairs or adjustments to propellers.

A triangular shoal area, 180 by 120 feet, was dredged easterly from above section to a depth of 18-5 feet below zero.

Work was commenced May 31, by dredge *Trenton*, and was completed July 16, and consisted in the removal of 8,172 cubic yards, place measurement, or 10,847% cubic yards, scow measurement.

DESBARATS.

Desbarats is a village, about 30 miles east of Sault Ste. Marie, situated on the line of the Canadian Pacific railway, and about a mile from the month of the small river named Walker river, which flows in a sontherly direction and empties into the north channel of lake Huron, opposite St. Joseph island.

Work of constructing a small landing by day labour was commenced on the 15th August and was completed on the 18th of Angust, 1917.

The work was necessary in order to facilitate the traffic by lanuches, including mail boats, to, and from 8t. Joseph island. Owing to the high-water level of lake Huron during 1917, the old slab-and-sawdust wall or emhankment, which had been used as a wharf, was submerged. The work consisted of an L-shaped platform, constructed on the old slab-and-sawdust landing place, one section of which is 6 feet wide by 36 feet long. 8 feet wide by 43 feet long, and 6 feet wide by 12 feet long, giving the landing a water face 91 feet long. Sawdust and slabs were hauled and spread in the rear to make additional with and dry approaches.

FORT WILLIAM.

Fort William, district of Thunder Bay, a city of 18,000 people, is situated at the mouth of the Kaministikwia river near the northwest end of lake Superior.

The harborr consists of 13:02 miles of navigable channels in the Kaministikwia river and in the McKellar and Mission channels, which for the most part have been dredged to a depth of 25 feet below L.W.L., and have a general width of 500 feet. The harbour frontage available for dockage amounts to 22:45 miles, of which 7:73 miles have already been built np.

Mission River Revenuent Wall.—The work of rectification of cribs Nos. 101 to 105, inclusive. Operations in connection with this work were commenced on April 7 and closed down on November 12 last, when the work was accepted from the contractors, subject to their agreeing to perform any minor repairs that might be found mecssary after an inspection early this spring.

Two different and yet somewhat similar methods were used in performing this work, viz: (1) the method nsed in connection with cribs Nos. 102 and 103, where it had been found necessary to remove all of the old concrete superstructure, and (2) the method nsed in the rectification of cribs Nos. 101, 104, and 105, where the old concrete superstructure had been left in place.

In the former case, the cribs were raised in timber to the original required clevation of the cribs below L.W.L., the raised sections of cribs not only being secured to the old crib-work, but the lower cross-ties of the raised sections being spaced at 24-foot centres and projecting beyond the front face of crib-work 15 inches so as to rest on the pillag, which was driven as part of the work of rectification at the spacing stated, and was scenared by scewe bolts and drift holts to the old crib-work. In addition, and iron stirrup was placed over the top of every alternate projecting cross-tie and was bolted to the old crib-work with drift bolts, fatter the raised section of these cribs have fulling in and along the rear of these cribs to addit foundation through each of filling in and along the rear of these cribs to about L.W.L., and the concrete superstructure, including the concrete blocks that had been astronged, was replaced.

In the case of cribs Nos, 101, 104 and 105, British Columbia fir pilling from 80 to 50 feet long was driven at 24-foot spacing along the front of these cribs and secured to the front face timbers by iron drift holts, the piles being cut off at an elevation of from 12 to 14 feet helew L.W.L.; ou the top of these piles a row of valing, 10 by 16 in site, was secured to the face timbers of crib, and in order to assist in transforring the greater part of the weight of the structure to the piles, vertical struts of hard maple, 6 by 12 by 6 feet were secured to the face timbers of cribs above the waling, at about 20-incli centres. These struts were drift-bolted to the crib-work with six drift bolts; in addition, a pair of piles was driven in each of the rear pockets of these cribs to solid bottom, and the stone filling in rear of the concrete superstructure was brought to about L. W. L with heavy rook and old broken concrete. The concrete superstructure, of this section of the work then sentified, the old bollards removed and new masconcrete was pound, in order to bring the work to the established duum, and the bollards were replaced. The waling along the front of concrete superstructure was then remeved.

All of the above work was performed by force account under clause 36 of contract, with the exception of the placing of new concrete, new concrete blocks, new waling, and iron above water.

Mission River Revetment Wall: Repair and renewal of waling along the front face of superstructure of the revetment wall in the G.T.P. terminal basin and slips were performed between 11th and 22nd of November.

Dredging: Dredging was performed in this harbour during the present season, by the Great Lakes Dredging Co., Limited,

The work done, which consists in widening and deepening the Kaministikwia river and Mission channel, was performed by dredges No. 6 and Dominion, between the following dates, viz: Dredge No. 6, May 6 and November 27, and dredge Domi nion, May 15 and June 23, and from July 30 to November 30 last, on which date all operations were closed down for the season.

The total quantity removed during the current fiscal year was 911,977 cubic yards, seow measurement, of which 2,9184 cubic yards seow measurement were of class "A" material, and 909,0584 of class "B" material. The quantities removed per dredge from West Fort turning basin and areas covered by original contract are :--

													Cubic yards,		
														measurement.	
Dredge	No. 6													391,165	
**	Dominior	i												520,812	
	Total													911,977	

Kaministikuia River: Praetically all of the bank work to be done in the West Fort turning basin was completed, a quantity of 151,810 cubic yards, seew mensurement, having been removed in this location by the dredge *Dominion*.

Deepening of the elannel in the approaches to the G.T.P. bridge over this river was performed by the dredge *Dominion*, a quantity of 9,325 cubic yards, seew measurement, being removed.

The river was deepened between the G.T.P. bridge and a point opposite the Imperial Oil Company's property, a total quantity of 57,270 euble yards, seew measurement, being removed. This section of the river was swept on the completion of dredging and was found to be at the depth required under the contract.

A large amount of deepening was performed in that section of the river extending from the Mission channel to a point north of the McKellar channel, the total quantity removed in this location being 143,120 enbies yards, seew measurement. This work in clouded the deepening of the channel in the approaches to and through the CP-BK, bridge. Prior to the performance of dredging in the immediate vicinity of this bridge and nuder a joint agreement between the eight of Port William, the Kaministikwas

Power Company, Ltd., and the Canadian Pacific Railway Company, all cables belonging to the parties named were removed from the hed of the irrer, and on the completion of the dredging these cables were relaid in a common trench a short distance above the bridge, at a depth of 30 feet below L.W.L., the trench heing backfilled with broken shale and gravel to an elevation of 26 feet below L.W.L. By far the greater part of this section of the river is now practically at the required elevation, and it was endcaroured to establish this point by sweeping to a depth of 25 feet below L.W.L. it was found, however, that there were several small shoals which will require removal during the coming season.

Certain sheal areas found to exist in that section of the river lying between the Empire elevator and the McKellar channel, and which extended for the most part along and adjacent to the dockage on the north side of the river, were removed to subgrade, a total quantity of 86,404 cubic yards, seew measurement, being dredged in this instance.

The total quantity removed this season in widening and deepening the Kaministikwia river was 447,938 cubic yards, scow measurement.

Mission Channel: Deepening and the removal of a number of shoals was performed over a large section of this channel, extending from its confluence with the Kamiuistikwia river to a point opposite the upper end of the Fort William coal dock, the quantity dredged being 74,322 cubic yards, secon measurement.

The major part of the widening required to be performed in this channel, along its northerly side and extending from a point opposite the Fort William coal dock to the shore line of island No. 2. in Thunder bay, was completed during the present season, the total quantity removed being \$89,717 cubic yards, scow measurement.

The total quantity removed in the Mission channel during the present season was 464.039 cubic yards, scow measurement.

The following unit prices obtain in the above contract, viz .:

Widening: Rock, \$2.40 per cubic yard, scow measurement. All other materials 104 cents per cubic yard, scow measurement.

Deepening: Rock, \$2.85 per cubic yard, scow measurement. All other materials, 224 cents per cubic yard, scow measurement.

Extra haul: 1 cent per cubic yard, scow measurement, per mile over 31 miles.

Summary of quantities removed by dredging under the above contract in accordance with the respective locations of areas dredged:

	Cubic yards	
Kaministikwia river	cow measuren	aent.
West Fort turning basin	151,810	
G.T.P. bridge.	9,325	
G.T.P. bridge to Imperial Oil Company.	57.270	
Mission channel to C.P.Ry, bridge,	84.592	
C.P.Ry, bridge	1.100	
C.P.Ry, bridge to McKellar channel.	57.437	
McKeliar channel to Empire elevator	86,404	
Actediate channel to Estiphte constant in the training		447,938
Mission channel-		
Kaministikwia river to Fort William coal dock	74.322	
Island No. 2 (widening) Fort William coal dock to		
Thunder bay.	389.717	
		464,039
		911.977
Grand total		911,977

In connection with the above contract, it might be stated that prior to the current fiscal year a total quantity of 14.352,384 cubic yards, scow measurement, had been dredged, so that the total quantity removed to date under this contract is 15,294.361 cubic yards, scow measurement.

As a result of the most recent soundings taken, it is found that the following governing depths below L.W.L. in the various portions of the harbour referred to, are available, viz:

		Least.	
	Width.	Depth.	General.
Kaministikwia River-	(feet)	(feet)	Depth (feet).
Entrance channel in Thunder bay	550-600	23.2	26'0
From Empire elevator at mouth to City dock.	350-400	23-6	26*0
" City dock to C.P.Ry, bridge	300-350	23*0	26*0
Through C.P.Ry. bridge	110	22*9	26.0
From C.P.Ry. bridge to Mission Channel From Mission channel to bend above Elevator	300	23.1	26.0
	275	23*2	26*0
"D" From bend above Elevator "D" to Imperial		23.5	26.0
Oil Cos dock	175	21.0	23.0
From Imperial Oil Co.'s dock to G.T.P. bridge	400	25.0	26*0
Through G.T.P. bridge	. 80	21.0	23.0
From G.T.P. bridge to C.N.Ry. coal dock	\$300	22*2	25*5
At bend in river above C.N.Ry. coal dock	200	21.0	26'0
Over the West Fort turning basin to the			
Mutual elevator	1,050	21.0	24.0
Entrance channel.	450	22*2	26*0
Least denth along revelment wall from wall out	4.50	22.2	20.0
50 feet into channel.		15.2	
Least depth along revetment wail over a width		1.0 ~	
of from 50 feet to 150 feet from face		21.0	
From entrance channel, 1,200 feet north of		210	
inner end of s'ip No. 3	300	19*2	2410
From Fort William coal dock to Fort William		10 10	240
starch works.	350-400	24'4	25.5
From Fort William starch works to junction			200
with Kaministikwia river	~400	23.6	25'5
G.T.P. turning basin west of entrance channel.			26'5
G.T.R. turning basin over area 150 feet out from			
limits		21.0	
G.T.P. Slip No. 1, the most westerly slip west			
of Turning basin		22.9	25*0
G.T.P. Slin No. 2, west of Turning basin			24*0
G.T.P. Slip No. 2, over area 50 feet from limits.		22.3	
G.T.P. Slip No. 3, the most northerly slip west			
of turning basin			23.6
G.T.P. Slip No. 3, over area 190 feet from			
limits		21.7	
McKellar Channel-			
From Thunder bay to C.P.Ry. hridge	350-400	23*2	26.0
Through C.P.Ry. bridge	7.0	22*5	26'5

The work that requires to be attended to under contract No. 7339, which expires in December next, consists almost entirely of deepening or semping areas dredged in previous sensons, and which more particularly are as follows:—

Kaministikwia River. (1) The West Fort turning basin and upper section of the Kaministikwia river to and through the G.T.P. bridge.

(2) From Imperial Oil Company's dock to bend in river adjacent to elevator "D." This work includes the wideoing of the river at the city waterworks crossing, and the performance of same this season depends upon whether the city of Fort William lowers the water mains referred to or otherwise alters their location so as to permit the proper development of the river at this point.

(3) The removal of a few shoals between the Mission channel and the City dock. *Mission Channel*, =(4) From the Fort William coal dock easterly to and including the entrance channel in Thunder I av.

HAMILTON,

Hamilton, in the county of Wentworth, is situated on Burlington bay, an inlêt at the western extremity of lake Outario, and is a station on the Grand Trank and Canadian Pacific railways.

Authority was given to proceed with dredging required at Wabassa park, the work to be done by departmental dredge No. 114, and the amount to be dredged being 7,114 eubic pards, scow measurement.

Work was commenced April 30, and completed September 1. Part of this material was east over for filling purposes, 4,318 cubic yards, place measurement or 6,838 cubic yards, scow measurement, were removed.

It was necessary to provide a draught of 12 feet for the landing of stcamers at this location and two sections were dredged over; first on east side of wharf, a section 85 by 160 feet; and secondly, on west side, a section 70 by 120 feet were deepened.

Authority was given to move dredge No. 114 to Oliver Plow Works, to complete the cleaning up of the section opposite dock, on northeast half of channel.

This work had previously been dredged to grade but on account of filling in, this section constituted a shoal area which was not available for full draught. The section decemend covered a length of 1,000 feet by a width of 300 feet.

Work was commenced May 11 and completed October 9; 24,916 cubic yards, place measurement, or 29,023 cubic yards, scow measurement, were removed. Dredging was carried to a depth of 17-5 and 20-0 feet below zero.

Authority was given to do necessary dredging at revetment wall, foot of Catherine street. Work was commenced June 19, and completed June 20, 25.5. eubic yards, place measurement, or 352 cubic yards, scow measurement, were removed in dredging at this section to 15 feet below zero.

The above work was done to remove a shoal area caused by outlet of Catherine street sewer, which said shoal area caused inconvenience to the landing of the Canada Steamship Company's steamers at their dock. A section, 47 feet by 265 feet, was dredged over in removing this shoal area.

Authority was given to do the necessary dredging at Rock Bay wharf. Work was commenced June 22 and completed July 14; 6.533.3 cubic yards, place measurement, or 6,593 cubic yards, scow measurement, were removed.

Dredging was carried on to 10 feet below zero. A channel 490 feet in length by 85 feet in width, was dredged over to give necessary accommodation.

HAWKESBURY,

Hawkesbury is located on the south shore of the Ottawa river, about 58 miles below the City of Ottawa.

In order to restore the navigable channel to Captain Lawlor's wharf, used for public traffic, departmental dredge No. 1098 continued the improvements started in 1915, principally to remore waste pulp which has accumulated in the past sixteen years between the Riordon pulp mills and Cobb's island. The dredge operated here from June 6 to November 20, under an agreement with the Riordon Pulp & Paper Co., Ltd. During this period, the total yardage removed was 58,289 (scow measurement), of which 53,2975 was waste pulp, 4,314 totic yards and and, and 131 boulders (place measurement). Eleven single cuts, 25 feet wide, were made, aggregating 6,159 lineal feet to grade elevation 118, or original bottom.

On August 4, departmental dredge No. 103 also removed 325 yards clay in connection with the laying of a new water main for the R.P. & P. Co., under an agreement with Fuller & Co.

KINCARDINE.

Dredging.

Authority was given to accept the offer of the C. S. Boone Dredging Company to do the necessary work at a rate of 34 cents per cubic yard, place measurement, with a total excavation of 14,668 cubic yards.

By authority, the total amount to be excavated was increased to 16,332 cubic yards, place measurement.

Work was commenced July 20, by dredge *Kingsford* and completed August 24, and consisted in dredgring a channel width of 50 feet between piers for a length of 850 feet, as well as a bell-mouth entrance of 250 feet in length with a maximum width of 150 feet.

In inner harbour a section of 200 feet in width by 405 feet in length was dredged leading to the People's Salt and Soda Company's dock. The excavation was carried to a depth of 14 feet below the zero water level.

KINGSTON.

The completion of the crection of the bascule bridge and installation of appurtenances thereto. Traffe over the roadway and bridges was formally opened on April 16 and the bascule has been in successful operation since July 18, the records showing a total of 776 lifts from July 25 to December 14, when navigation closed.

The object of the work is to provide a highway across the Catanoui river, together with wharfage facilities. The bascule is built over the channel leading into the inner harbour and Anglin's bay and designed to be lifted so as to permit vessels to pass in and out. Depth of channel under lift span 22 feet; depth of harbour inside, not yet completed, 16 feet, both with reference to lowest water of lake Ontario.

MIDLAND.

Dredging.

Authority was given to dredge an area 400 feet in length along the front of the launching face of the Midland Dry Dock Company and out to the 21-foot contour, the depth to be 21 feet below elevation 850-0. This work consisted in the removal of tho slab docks, mud, elay, and sand. The total quantity removed amounted to 67,073 cubic yards, seow measurement; authority was given to extend the work an additional length of 215 feet. The quantity dredged amounted to 26,008 cubic yards, seow measurement. The whole work was done by dredge P.W.D. No. 109 and was completed November 26, 1917. Both areas were swept and found to be 21 feet below zero of gauge clevation 580-0.

POINT EDWARD.

Dredging.

Point Edward is at the entrance of the St. Clair river, south end of lake Huron.

The strong current in the river and lake storms wash sand and gravel into the mouth of the river, making it necessary to dredge each year to maintain a mavigable depth.

According to a verbal agreement with the District Engineer Officer of the United States War Department, it is agreed that neither side will permit detelong deeper than 23 feet below the zero of the water gauge, elevation 578-51 at Point Edward and any noint in the river between the international tunnel and lake Huron.

The sand and gravel in this part of the river, on the Canadian side, is of a commercial value, and it has been found satisfatory to grant a dredging company performant to remove it free, the gravel becoming their property. For the purpose of song effect to this agreement, and regulating the dredging, an ugreement was made with the Chiel Contracting Company of Windsor, permitting them to dredge between Comwell street. Sarma, and Point Edward, providing they undertake to samply all considian manicipalities and interests along the St. Chair and Detroit rivers with gravel at a regulated price.

At the same time, the Province of Ontario issued licenses covering the same area, collecting a royalty of S cents per cubic yard, and permitting the dredging companies to sell in any market.

The quantity removed from the area was as follows :---

Chick Contracting Company, Dominion Government agreement. Chick Contracting Company, Province of Ontario license	86,980
Total removed from area between Cromwell street, Sarnia and Point Edward	

Dredging was commenced on May 4 and ended on December 8. The only expenditure on the worth was the salary of an inspector.

PORT ARTHUR.

The city of Port Arthur, Port Arthur—Kenora district, has a fine natural location on the shore of Thunder bay near the northwestern end of lake Superior.

Temporary Pile Protection Breakwater.

To provide adequate protection for the grain elevators being constructed in the north end of the harbour, pending the construction of further extensions to the Bare Point breakwater, tenders were called in November, 1917, for the construction of a pile protection breakwater.

Advice was received on December 24 that the contract had been awarded to the Thunder Bay Harbour Improvement Company.

Work was commenced on 17th January and the final estimate in favour of the contractors was sent on March 19, 1918.

This breakwater was built in two sections of 753 feet long each. It consisted of :--

 (a) One continuous row of round piles, approximately 45 feet long with two waling strips attached;

(b) One row of round piles spaced 5 feet centre to centre longitudinally and driven alternately at 6 feet from the guide piles;

(c) One row of round piles spaced 5 feet centre to centre longitudinally and driven 10 feet from the guide piles with a waling strip attached;

 (d) One row of round anchor piles placed and driven close to waling strip attached to piles, described (c);

The whole securely fastened by waling, bracing all screw bolted, and

(e) A cluster of six piles every 25 feet and bound by 3-inch wire cable, driven close to the guide piles (a).

Dredging.

The removal of 282,200 cubic yards scow measurement, class B, prior to December 15, 1917, was authorized and the work started June 25, 1917.

In front of Government Elevator: Dredging was done from the harbour line to a line running parallel to it and 185 fect from the east end of the government elevator wharf:--

Length					550 feet approximate,
Width					165 " "
Depth made					25 " "
Quantity removed					35,958 cubic yards, scow measure.

The place measurement from soundings is 30,800 yards, giving an expansion factor of 16 per cent.

Widening of Main Harbour South: The main harbour south was widened to 150 feet from the concrete breakwater.

Average length					1,000 feet,
Depth made					25 "
Quantity removed					10,459 cubic yards, scow measure,
					class R

The place measurement computed from soundings is 9,350 yards, giving an expansion factor of 12 per cent.

Deepening of Main Harbour South: The main harbour south in front of the C. N. R. coal dock was deepened:--

Length		 1,700 feet.
Width		250 "
Depth made		25 **
Quantity removed		78,635 cubic yards, scow measure-
		ment, class B. 8'88 cubic
		yards, scow measure-
		ment, class A.

Quantity computed from soundings is 70,800 yards, giving an expansion factor of 11 per cent.

King's Channel: King's channel was also widened and 16,082 cubic yards seew measurement, class B, were removed.

The place measurement from soundings is 13,500 yards giving an expansion factor of 20 per cent.

Depth made, 25 feet.

Slip between Saskatchewan Co-operative and Grain Growers' Elevators: This slip was completed, and 28.375 cubic yards, soow measurement, class B, were removed, and 1.365 yards, place measurement, castover.

Length				270 feet.
Width				150 "
Depth made				25 0

The place measurement from soundings is 24,400 yards, giving an expansion factor of 16 per cent.

Channel and slip to give access to the Richardson Elevator: Advice was received that an extension to Phin's Port Arthur dredging contract had been granted for the exervation of a slip 150 feet wide by 1,200 feet long, and of a basin forming an entrance to the slip for the elevator of Mesers. James Richardson & Sons; also the widening of the channel to the Saskatchewan elevator.

During the year, 48,096 cubic yards, scow measurement, and 898 cubic yards, place measurement, were removed in the Richardson slip.

This work is to be completed before September, 1918.

SUMMARY.

Class B Material.

In front of Government elevator Widening main harbour south		cubic yards.	scow measurement
Deepening main harbour south			н
King's channel	16,082		
Slip between Saskatchewan Co-opera- tive and Grain Grower's elevator	28.375		
Richardson slip,			
	217,605		

Slip hetween Saskatchewan Co-opera-

tive and Grain Grower's elevator 1,765'70 ubic yards, place measurement

·Class A Material,

Deepening main harbour south. Richardson slip			cubic yards,	scow measurement.
Total, class A		906*88	"	"
Total quantity removed.		220,277*58		

All depths mentioned refer to zero of the P.W.D. staff gauge, which is 601-86 M.S.L.

All the class B material consisted of sand and clay and loose shale rock.

Two dredges were employed, *Excelsior* and *Dominion*. The average haul to the dumping ground was 2 miles, and work closed for the season on December 11, 1917.

PORT BURWELL.

Dredging.

Sediment is deposited in the winding basin and between the piers by Otter creek. The channel cast and south of the breakwater continually collects sediment and sand drifting on the lake bottom.

Work of dredging began April 9 and stopped July 14; it was resumed on November 12, but owing to a serious break in the dipper on the 14th it was discontinued for the season.

Surveys of the harbour were made April 9 and July 7. The following table is the result of a study of place measurements and scow measurements based on the above surveys:--

Dredging from April 9 to July 7, 1917.

Turning basin, east side Turning basin, west side Between piers Channel east of breakwater South of outer end breakwater	342'5 x 160 x 1'04 1,075 x 86'2 x 2'1 1,160 x 178 x 2'15		Ex. Fac. 216 % 465 % 155'3% 151'8% 107 %	4,050 11,932
		36,938	160.6%	96,244

It will be noted that the expansion factor is unusually large; this is probably due to the large quantity of sediment and sand deposited during the progress of the work between April 9 and July 7. The navigable depth during 1917 was much better than in 1916, owing to the bottom being lower and the lake level unusually high.

Summary Dredging, Cubic ys	rds
scow measu	
Dredging, April 9 to July 7	
" week ending July 14 6	
" week ending Nov. 14	
Total dredged during season	

PORT STANLEY.

Dredging.

Sediment is deposited in the inner harbour and the winding basin by Kettle creek, particularly during freshets, and sand drifts into the dredged channel south of the breakwaters.

Public Works dredge No. 117 began work July 30 and stopped November 10. The quantity removed was 64,101 cubic yards, seow measurement.

During the season, dredge No. 117 was rented to Contractor M. J. Hogan to assist in dredging berths for the extension of the western breakwater, also some other

work. Some of the work performed by the dredge for Contractor Hogan was covered by a schedule of contract price; other work, such as digging ballast stone, was not covered by dredging price, the contractor being paid for the ballast stone in the work.

The total yardage removed for the Government and for Contractor Hogan's work, including crib seats, ballast stone, etc., amounted to 99,311 cubic yards; at a total cost of \$16,670.70, being an average price of 16.9 cents per cubic yard scow measurement.

During the month of June, a contract was entered into with M. J. Hogan, and 455 subic grads of clay removed in front of the revelment wall on the west side of the harbour near the highway bridge, at a cost of 18 cents per cubic yard, total \$83.70, and the material was placed behind the revenuent wall. The dredzing was done to accommodate the Cleveland and Port Stanley passenger stemeers; when the company undertook to operate its steamers it found that on account of the difficulty in obtaining passperts it would be impossible to do so during war time.

The dredging in the entrance channel is not completed, and it is proposed to continue the work during next season.

RONDEAU.

Dredging.

Rondeau is an important port of entry and harbour of refuge at Point aux Pins, north shore of lake Erie.

It was found necessary to deepen the dock; this was done by Public Works dredge No. 117 working from July 21 to July 28. The quantity removed was 11,446 eubic yards seew measurement at a cost of \$1,773.29, equal to 15.4 cents per cubic yard seew measurement.

TORONTO.

(This work is described in the annual report for 1915.)

The city of Toronto, with a population of half a million, and situated near the head of lake Outario, possesses an exceptionally fine land-locked harbour, known as Toronto bay.

During the past season, one 100-foot crib was sunk and ballasted, 1,400 lineal fect was levelled up and capped, and, of this, 430 lineal fect has been floored with 4-inch hemlock. Some rectification work was also performed, 300 lineal fect of cribwork being made acceptable to the department. Dredging done during the year amounted to 5,670 cubic yards. This section of the work was commenced in May, 1914, and since that date, 4,340 lineal fect of cribwork has been placed and the necessary round piles driven along front and rear faces.

Where extra depth of water was encountered, cribs resting therein were built 20 feet wide at the base and stepped in to the standard 16-foot width on top.

Section "C"—Ship channel and turning basin. On this section of the work excellent pergress has been made practically all the old substructure work has been re-tified and a considerable length of new wall has been placed. Of the restification, only about 65 lineal feet of wall have yet to be made to conform with the requirements of the Department, and 5,140 lineal feet of entirely new substructure has been placed. Of the concrete superstructure, 16(53, enbie yards have been poured. Thus, of the total, 13,692 lineal feet in the ship channel, 2,660 lineal feet have been completed, 4,170 lineal feet require only the top lift of the superstructure, df0 lineal feet have the first lift or slab placed, and 5,882 lineal feet require twelve

In the turning basin, practically all round piles, caps, and stringers are in place. All this work, or 3,787 lineal feet, has been done during the past season.

It is interesting to note that the contractors, appreciating the difficulty of performing this work under water, have built a levee around the site of the different

walls, and by the aid of pumps are enabled to hold the water-level at a point 2 fect below the top of hent piles. Thus the structure being exposed to view, the quality and progress of the work are both improved.

During the year, \$47,527 cubic yards were removed from the ship channel and turning basin by hydraulic dredge, and deposited as backfill. Dredging necessary to build walls on this section of the work amounted to 32,529 cubic yards for the same period.

Extra work done at corner "K"—Sections "C" and "D"—Owing to the soft material encountered user corner "K", it was found necessary to use pilles of greaterlength than used in other parts of the wall, also to supply additional anchorage θ foot round pilles and $\theta 0$ and 2θ -foot sheet-pilles were used as conditions warranted; the latter being of such length as to reach the rock, and being shod, have obtained a tochold in the rock, thereby preventing any sliding of the wall.

Additional anchorage was also provided by driving piles 50 feet behind the standard anchorage and extending the 2-inch rods back to them, thereby preventing any overturning tendency of the wall.

The substructure of this work has now been completed at an additional cost of $$\pm14,495.59$ more than the standard type of walls called for by the plans and specifications.

All of this work has been done in the dry, being within the area where the water has been reduced to 4 feet 9 inches below the ordinary lake level.

Section D.—Retaining walls, northern slip and marginal way.—That portion of the contract known as the northern slip or Don diversion channel was completed ready for back-fill during the fiscal year 1916-17, as was also the north marginal way wall.

On section WW I, known as Polson's extension (924 fect in length), the whole substructure has been rectified. The design of this wall has been altered so that the timber superstructure is now replaced by a combination of concrete and timber.

During this year, the substructure of sections KV and VY known as the south marginal way wall, 1,350 feet in length, has been rectified and the first two lifts of concerte superstructure have been completed, 1,856 cubic yards having been poured.

Work on the 900-foot ventilating channel was started during the year, and all of the substructure on the 1,800 feet of wall has been completed, with the exception of about 100 feet at the north end,

In order to build these walls it was necessary to dredge 60,273 cubic yards of material, of which 33,629 cubic yards were within the channel itself.

MANITOBA,

BIG GEORGE ISLAND,

The object of the work at this place is to provide a harbour of refuge for vessels plying in the northern waters of lake Winnipeg.

During the past season, the approach to the harbour begun in 1916-17 (see report for fiscal year ending March 31, 1917, page 50) was continued, a cut 100 by 30 feet with an average cut of 2-5 being made. Approximately at right angles to this approach and at the outer side of the harbour, a cut 510 by 50 feet, with an average cut of 2-5 was also made.

The proposed harbour will be 500 by 300 feet when complete and the work of the past season still leaves an area of 500 by 250 feet untonehed. It will also be necessary to deepen the portion already dredged.

The material removed consisted almost entirely of granite boulders, with some sand; the boulders were cast over towards the lake in order to provide a breakwater, and the amount of material removed was 3.161 cubic yards, place measure.

19-3

P. W. D. dredge No. 202 was employed from July 30 to October 20, or a possible time of 702 hours. Of this 137 hours were actual dredging hours, the remainder being lost mainly due to storms and towing.

The total cost of the work was \$2,985.58, or a cost per cubic yard of 941 cents, and was under direct supervision of the office staff.

HNAUSA.

Dredging.

The object of this work is to provide an approach to such a borth beside the revenuent wharf.

The work consisted of a cut hebind the angle of the wharf as a shelter for the dredge and one long and two short cuts for the approach and berth. The total length of these cuts is 822 feet, with a width for each cut of 40 feet, to a depth of 9 feet at low water.

The material consisted of sand, and 6,100 cubic yards were removed, being seewed a distance of half a mile.

Dredge No. 205 was employed from July 3 to July 16, a possible time of 114 hours, of which 46 were lost due to storms, towing and repairs.

Some filling-in may be expected, but with the maintenance of the present lake level no dredging would be required inside three or four years.

RED RIVER.

Forks.

The work of dredging at this place was to maintain and improve the channel at the forks of the Red river, about three miles from the mouth.

The work consisted of one cut 1,753 feet long, 140 feet wide, with an average cut of 5-2 feet and to a depth of 9 feet at low water.

This channel is on the principal route of navigation in Manitoba.

The material consisted of hard sand, and 47,330 cubic yards, place measurement, were removed, all being castover.

Dredge No. 201 was employed from August 17 to October 30, giving a possible time of 630 hours, of which 291 hours were lost time.

The duration of this work will be from two to three years.

Park Point (Crescent Island).

The object of this work was to widen the chunnel in the Red raver between Park mint and Crescent island.

The work consisted of two cuts of a total length of 4,089 feet, each 40 feet wide, with an average cut of 8.8 feet. A good channel with a depth of 9 feet at low water exists now and the possibility of ice jams affecting the town of Selkirl, and the government property, which occurred at this point, is eliminated.

The material consisted of elay and sand, and 64,280 eubic yards were removed. This material was found to have an expansion factor of 15-4 per cent, giving a place measure variance of 51-548.

Dredge No. 295 was employed from July 31 to October 10, giving a possible time of 620 hours, of which 125 hours were lost, mainly due to repairs, holidays, and elemong boilers.

New Channel,

The work at this place was for the purpose of mountaining the a rack outside the protection work, widening the channel in ide the mouth of the liver and filling up

holes behind the protection work. The outside work has to be done accountly, but the inside work was completed this season and will be permanent.

The work consisted of: (a) outside, one cut 954 feet long 140 feet wide, with an average cut of 3 feet; (b) back-filling protection work, one cut 957 feet long 50 feet wide, with an average cut of 5 feet; (c) inside the river, three cuts of a total length of 1,674 feet, each 40 feet wide, with an average cut of 11-6 feet, leaving a depth of 9 feet at low water.

The material consisted of clay, sand, and river silt, and a total of 52,496 cubicyards was removed, of which 23-696 cubic yards, place measure, were eastover by dredge No. 201, and 25,800 cubic yards seow measure, removed by dredge No. 205.

Dredge No. 491 was employed from May 31, to August 16, or a possible time of 670 hours, of which 441 hours were lost, due to storms, repairs, etc.

Dredge No. 205 was employed from May 31, to July 2, and July 17 to July 30, or a possible time of 406 hours, of which 128 hours were lost, due to storms, cleaning boilers, etc.

SUGAR ISLAND.

The object of this work was to remove a middle ground which forms at the down stream point of Sugar island.

The work consisted of one cut 951 feet long, 40 feet wide, to a depth of 9 feet at low water.

The whole work was not completed this year, and there still remains 35,000 cubic yards to be removed.

The material consisted of sand and clay, and 6,500 cubic yards, scow measure, were removed.

This material shows an expansion factor of 8.8 per cent, giving a place measure yardage of 5,933 cubic yards.

Dredge No. 205 was employed from October 11 to October 22, or a possible time of 100 hours, of which 35 hours were lost due to repairs, storms, and cleaning boilers.

SELKIRK SLOUGH.

Dredging.

The object of this work was to maintain the channel in the slough and provide a turning basin opposite the government shipyard.

The work consisted of two euts, one in the channel 3,215 feet long, 40 feet wide, with an average cut of 5 feet; the other at the turning basin, 4-8 feet long, 40 feet wide, with an average cut of 12.3 feet, the whole to a depth of 9 feet at low water.

The material consisted of elay, and a total of 33,063 eubic yards, seew measure, was removed, from the channel 24,131 eubic yards and from the basin 8,932 yards.

Dredge No. 202 was employed in the channel from June 6 to August 3 and October 20 to October 30, or a possible time of 545 hours, of which 96 hours were lost through storms, procuring fuel, cleaning boilers, etc.

 Dredge No. 205 was employed from October 23 to November 2, or a possible time of 93 hours, of which 15 hours were lost through repairs, etc.

BRITISH COLUMBIA.

BRUNETTE RIVER.

The dredge King Edward dredged the booming grounds in front of the Brunette saw-mills, to enable the company to get logs into their small canal connecting the Fraser and Brunette rivers. Work was started March 8 and completed March 14, 1018;

 $19 - 3\frac{1}{2}$

the area dredged was 300 feet long by 100 wide, to 8 feet at low tide; 6,395 eubic yards of material was removed.

BURRS LANDING,

The dredge King Edward dredged a channel in front of Burrs Lauding, on the Fraser river, about 8 miles below New Westminster.

Work was started on January 22, 1918, and completed March 5, during which time 35,065 cubic yards of sand was removed. The channel dredged was 1,780 feet long, average width 175 and 10 feet deep at low tide.

COQUITLAM.

The dredge *King Edward* dredged in front of the Pacific Construction Company's shipard, at Coquidhan, who are building two ships for the Imperial Munitions Board. The cut made was 200 feet long, 200 wide, to 12 feet at low tide. Work commenced December 10, but the material was found too hard, and after working some days and removing about 2,035 cubic yards the dredge was removed to other work, and January 28, 1918, the dredge *MudIark* started work and removed 12,000 cubic yards, and completed the work on March 8, 1918.

COURTENAY RIVER.

The Courtenay river runs in a southeasterly direction into Comox harbour. Courtenay, near its mouth, the northerly terminus of the Esquinalt and Nanaimo railway, is the principal town of the Comox valley.

During 1914 and 1915, the original torthous channel over the tidal flats between Comox bay and the mouth of the Courtenary river had been straightened by dredging a new channel 3,000 feet long and 10 feet wide by means of the departmental dredge King Edward.

During the latter end of the past fiscal year, the orange-peel bucket drelge Victoria ent a channel 80 feet in width, by removing numerous boulders and sangs and providing additional depth over two bars, at the river mouth and below the town of Courtenay, respectively. The estimated quantity of material which was all overeast to the sides of the channel, from April 1 to July 31, 1917, date when the work was completed, was 6,087 cubic yards.

The total length of channel improved to date is 7,000 feet.

DEAS ISLAND.

The dredge King Edward dredged a channel in front of the Deas Island cannery, on the Fraser river, about 9 miles below New Westminster.

The object of this work was to enable fishing boats, etc., to get to the cannery wharf and net racks, at all stages of tide. The length of the cut was 550 feet, the average width 70 and the depth made was 8 feet at low tide. The total amount removed was 12,840 cubic yards.

The work was commenced May 28 and finished June 1, 1917.

EBURNE.

Three wing dams were built on the south branch of the north arm of the Fraceriver, about a mile and a half below Elurare, to deflect the current from the bank. Three wing dams were 75 feet long, and 300 feet apart, built with two rows of piles 0 feet apart and filed with layers of brank and rock.

This work was commenced November 19, and completed December 31, 1917.

Dredging.

The dredge King Edward dredged material from the channel opposite the three wing dams constructed by the department last. Noremier, the material being deposited on each side of the wing dams, and along the shore between them, and 30,895 enbicy yards was placed there.

This work was commenced March 18 and completed March 26, 1918.

FOREST GLEN, COLUMBIA RIVER.

As a further improvement to the steambost channel at this point, two additional cuts were made during the fiscal year 1917-18 west of num dyarallel to the cut of 1916-17, giving a 300 foot channel between the sand bar and island, with a minimum depth of \times feet of water at low water. The spoil bank piled to the west of the cut practically cuts of all flow of water on this side at the low-water states, and this concentrates the full volume of the river through the cut. It is expected that further silting-in of channel at this point will be eliminated.

Work here was commenced by P.W. dredge No. 311 on November 5, 1917, and completed March 31, 1918. During this time, 88,400 cubic yards of sand were handled, 24,600 cubic yards of which were twice overcast.

FRASER RIVER.

Steveston Jetty.

Messrs. Marsh, Hutton & Powers had the contract for the second unit of the Steveston jetty, which they completed in July, 1917.

The Marsh, Hutton & Powers contract for the second unit of the Steveston jetty called for a length of 7,100 feet, but an extension of 1,800 feet was authorized on August 15, 1916, which makes a total length of jetty now completed of 15,800 feet from Steveston out towards the gulf of Georgia.

Dredging.

Work was started on April 12, completed on May 1, 1917, and consisted in deepening the channel in front of the British Columbia Cannery, situated on the south bank of the Fraser river, about 24 miles below Xow Westminster.

The length of the cut was 1.520 feet, and the average width was 150; the dredging was done to 9 feet at low tide, which included 1-foot subgrade, and the amount removed was 50.580 cubic yards.

Sandheads,

The dredge 303 (Fruhling) has worked all the year at the sandheads at the mouth of the main channel of the Fraser river, from Steveston to the gulf of Georgia, a distance of about 5.5 miles.

During the fiscal year ending March 31, 1918, the dredge removed 684,800 cubic yards of material from various places in the channel; 31,200 yards were removed near baoy 24; 355,200 from the channel between buoys Nos. 1 and 3; 166,400 from channel between buoys Nos. 3 and 5, and 132,000 from channel between buoys Nos. 9 and 11.

North Arm.

The dredge King Edward dredged a channel from the main channel in the north arm of the Fraser river up to the Heaps Engineering Company's wharf, and deepened the water in front of Mercer and Dawe's ways, and wharf.

Work was started November 22 and completed December 13, 1917. The length of the cut was 835 feet, width 150, and 8 feet deep at low tide. Total amount removed was 24.740 cubic yards.

GRAHAM'S LANDING.

The lower crossing of the Columbia river at this point was extremely marrow, and to permit of rafer passage of vessels, further dredging was necessary. On April 2, 1917, P.W. dredge No. ∂H began operations here, and completed work on April 30, 1917.

A cut 1.548 feet long and 75 feet wide was made giving a minimum depth of \sim feet of water at low water. The material, elay, amounted to 12,000 cubic yards, all overceast.

LADNER.

Work consisted in dredging a channel 1,320 (cet long, to 10 feet at low tide, and the average width was 174 feet. The total amount removed was \$4,830 cubic yardfrom deep water below the wharves at Ladner up to within about 100 feet from the Brackman-Ker Company's wharf. Work was commenced May 7 and completed August 6, 1917.

LILLOOET RIVER.

The Lilloget river drains the Lilloget lakes, and passes through a flat country (mown as Pitt mendows, before it empties into the Pitt river about two miles from its junction with the Fraser river.

A request was made and authority was granted to clear and deepen the channel of this river, from the cut made last fiscal year, up to the third bridge, a distance of about 3,500 feet; in this distance the channel was deepened and the bends in the river were straightened, the material being thrown out on each side. About 34,001 cubic circle of material were removed.

To do this work, a dredge was hired, at the rate of \$5 per hour while actually bredging, and delays of more than half an hour for breakdowns or putting on fuel cere deducted. The total cost was \$2,266, which included \$245 for inspection. The ork was started june 22, 1917, and completed Jungst 15, 1917.

LONG BAY FLOAT.

On September 22, 1917, authority was given to move the government float from Hope point to Long bay; this was done on October 3, 1917, and there was no expendiure in connection with this work, excent \$10.15 for some material for small repairs, etc.

NANAIMO.

Nanaims is on the cast coast of Vancouver island. For slipping coal, the main export of the port and many steamers of considerable size call for bunker coal. Twe manufes connect the harbour entrance with the coal wharves. They are on the corread south sizes, respectively, of the middle bank in the control for the harbour.

The Lobnitz rock breaker No, 2 worked on Nicol rock and blocks H and J, worth bound, during the whole of the fixed year, reporting an estimated quantity of 11.48 more gards of rock broken.

The departmental dipper dredge 1 jar removed the Sallwing material edweet 1 and July 9, 1917, and December 6, 1917, and January 10, 1918; -

$\label{eq:restricted} \left\{ \begin{array}{llllllllllllllllllllllllllllllllllll$	15 cliat = and success = 10 = 10	
- Cartar		

This leaves an estimated quantity of 21,864 cubic yards (phose measurement) still to be removed. No further work is required on block I which has now a minimum depth of 29 foet at low water. The present minimum depths at low water on block II is **7**.2 feet; on block J, **2**.38.5 feet; and Xieol rock, **2**1.2 feet.

NITINAT INLET.

The Nitinat inlet is situated on the west coast of Vancouver island about 30 milefrom Victoria. The removal of a rock drying 21 fort at low water in the narrow part of the Inlet leading from the open Pacific to the Nitinat lake has been removed to a depth of 10 feet at low water. The estimated quantity of rock (diorito) to be removed was 243 cubic yards, place measurement. Additional improvement has been made by the removal of rock from two projecting points in the narrows.

The work was undertaken between August 1 and October 28, 1917, and the total payment to the contractor being \$3,645.

OKANAGAN RIVER.

Between 1sth April and 22nd October, 1917, the work consisted of completing the dredging required to deepen the navigable channel between stations 51 and 98 (1000 survey) to the established grade line and, where required, repairing the bank protection work when necessary, as the work of dredging was proceeded with. The material moved consisted of gravel and sand, of which 12,717 cubic yards was overcast and deposited on the bank or loaded on to the brush-and-piling protection work.

PENDER HARBOUR.

A channel was made through Canoe pass, which connects Bargain bay with Pe-der harboxic, to enable small eraft and fishing boats to go through the pass at a medium stage of tide. The length of the excented channel was 485 feet, and an average depth of 3 feet was evevated. 10 feet wide at the bottom in the earth excenttion, with slopes 2 to 1, and 14 feet wide at the bottom through the rock excention, with slopes 1 to 1.

The work was started May 7, and was completed July 5, 1917.

PENTICTON.

On 23rd October, 1917, work was commenced at the Penticton Lumber Company's mill pond, for the purpose of lowering the floor of the pond to the grade line of the Okanagan river at that point. On the 6th November, dredging was suspended, to allow the erew to do some pressing work at the control dam at head of river, was resumed 4th December, and completed 14th December, 1917.

On this work, 2,442 cubic yards was overcast and 364 cubic yards re-overcast, a total of 2,806 yards, the material being mud, some of which was deposited on the cast bank of the pond and the remainder dumped on the west side, and, later on, removed by dredge.

POPLAR ISLAND.

The dredge King Edward deepened the channel of the north arm of the Fraser river, at the head of Poplar island, to enable the Westminster Construction and Engineering Company to launch the four ships that they have under construction for the Imperial Munitions Board.

The work was started August 10 and completed November 22, 1917. The length of the cut was 1,050 feet, 400 wide, and 12 feet at low tide. The yardage removed was 73,680 cubic yards.

SEA OTTER COVE.

Sea Otter core is a small settlement at the northerly end of Vanceover island. During the past fiscal year, a floating landing was built and the sum of 3550 was paid to the contractors, Messrs, James MacDonald & Company for the construction, 20 by 11 feet with floating approach 220 by 6 feet. A portion of the approach and the float were lost while being towed to the site and are being replaced. The contractor is engaged, at the time of writing this report, on completing this work which has been considerably delayed owing to its imaccessability.

SQUAMISH.

The dredge King Edward proceeded to Squamish, at the head of Howe sound; 125,500 obic yards of material were removed in 1916-17 and on June 13, 1917, work was resumed, but it was found that during the freshet in the Squamish river a great deal of material was brought down and filled up the dredging that had been done. On July 5, instructions were received to remove the dredge and work at Ladner; 13,135 cubic grads were removed during this time; this dredging that had one to 8 feet at low tide, but this depth could not be maintained on account of the material that was brought down the river at low tide.

VANCOUVER.

Vancouver is the largest city on the west coast of Canada, has a population of 110,000, and is the western terminus of several railways, also the Canadian shipping point to China, Japan, and all oriental ports.

The dredging done this year, consists in the removal of 234,750 cubic yards from the north side of the Narrows, and 117,300 from Parthia shoul. The object of the work as originally laid out was to widen the Narrows to 1,200 feet, deepen the channel to 35 at low tide and to remove Parthia shoal to the same depth. The work on the north side of the channel was started April 12, and October 18, 1917, operations were comnearced on Parthia shoal, which was finished on March 19.

Parthia shoal was dredged to 36 (eet, which included 1 foot subgrade, but it was found by sweeping that there were large boulders there which were too big for the dredge to handle. The total amount of material removed from the north shore of the Narrows and Parthia shoal since work commenced is 4,139,260 cubic yards, scow measurement.

VICTORIA.

Piers 2 and 3.

Filling was done between the walls of the piers and behind the bulkheads; 534,482 cubic yards of backfill were placed during the year, completing the work in March.

The rubble walls between the bulkheads and shore were completed by the addition of 5,260 tons of rock.

The extension of the Montreal street surface drain made necessary by the reclamation of the foreshore was carried out at a total cost of \$790.18.

Freight Shed on Pier No. 2.

Work of construction of a freight shed, 201 by 705 feet, to be used by the Imperial Munitions Board as an assembly plant for the installation of machinery in the wooden shaps being built on the coast was commenced on 26th September, and virtually comoleted by the end of January, at news of \$217,629,14.

Ferry Slip and Trackage.

The construction of a ferry slip and the necessary trackage having a total length of 6,600 feet consisting of a main line with tail track, three tracks on approach trestle and apron, surface tracks on both sides of pier 2, depressed track in the centre of pier 2, and storage track.

The slip designed to meet any three-track car barge being operated by either the Canadian Pacific Railway or the Great Northern Railway, was commenced in December and was in operation on March 26, 1918.

Dredging.

The dredging carried out during the past year had as its main object the further improvement of the channel to James bay by the removal of rock to the south of Pelly island, also the removal of rock to the east of Songhees point to provide additional facilities for vessels leaving the Canadian Pacific Railway whartes and the removal of Turpel's rocks in the centre of the upper harbour. The navigable area is being gradually increased year by year, and the grade of 20 foct below low water over areas already covered is maintained. The following plant, working on single shift, assisted with the above work: Dredges Ajax and Mudlark, and Lobnitz rock breaker No. 1 worked during the whole of the year, while rock-drill plant No. 2 worked from April 1 to May 19, and July 25 to October 12. The dredge Ajax paid two visits to Nanaimo during the year, also working at Powell river.

Upper Harbour.—Since the establishement of the shipbuilding industries in the upper harbour, the work of the dredging plant has been concentrated to a considerable extent in improving that part of the harbour fronting the laurenhing ways of the Cameron-Genea Shipbuilders and the Foundation Company, with the result that the areas fronting the launching ways of both these yards have been deepened to 20 feet below low water. The removal of Turpel's rocks. Nos: 1 and 2 in the centre of the upper harbour has been undertaken, and where a former depth of 6 feet below low water obtained, there is now a depth of 90 feet below water. The Ajaz also dredged to grade a considerable area between the Victoria Machinery Depot and the Equipmant and Nanaino Railway bridge from depths of 16 to 19 feet below low water.

Lower Harbour.—Hospital rock, east of Songhees point, was cut back about so feet, giving this additional width at the point where the Canadian Paeifie Railway ferry boats go astern before leaving the harbour. The channel lying south of the Espuinalt and Nanaimo Railway bridge was deepened where silting up had taken place and additional depth provided fronting the Hudson's Bay Company's wharf. The north side of the main channel between Songhees point and the entrance to West bay has been further improved during the year, resulting in an additional width of 100 feet has been provided between Pelly island, and an increased width of 150 feet has been provided between Pelly island and the entrance to West bay.

The middle of the main channel immediately south of Pelly island was deepened at points where stilling-up hal taken place. At times when the dredges were not engaged on work of greater importance the work of providing an alternative channel to the north of Pelly island has been undertaken. A further improvement has been made at Shoal point resulting in an additional width of 100 feet and the original sharp turn for vessels entering and leaving the harbour has been greatly improved and has enabled the beacon to be placed 710 feet southwest of its former position. A considerable area in West bay and fronting the outer wharves has been dredged by the Pacific Dredging Company to provide fill for the piers under construction at Ogden point.

Summary.

Channel south of E. & N. Railway Bridge North side of Channel between Songhees		yards, seow	measuremeut.
Point and West Bay	99,696		6+
Shoal Point.	9,150		65 E

207,483 cubic yards of hardpan, clay and

silt were removed, making a total during the year, seew measurement, of 217,517 eubic yards.

The main channel from the harbour entrance to James bay is now in a good unvigable condition and the same applies to the upper harbour. When conditions allow the resomption of operations, the work of first importance is the further removal of rock to the south of Pelly island and the large area of rock between Songhees point and the E. & N. Railway Dridge (Hospital and Discovery rocks).

GENERAL.

Work of repair and improvement was executed during the fiscal year on the following where, piers, and breakwaters:

Nover Scolins—Amherst Point, Andersons Cove, Annapolis Royal, Antigouish Lunding, Arichat, Arissing, Euddeck, Raters Point, Bass Kiver, Baxters Ilarbour, Beur Cove, Bear Kiver, Beaver River, Binff Head, Boularderie Centre, Broad Cove Marsh, Comring, Cape St. Mary, Carris Brook, Chelosque, Chipmans Brook, Comeaus Cove, Cow Bay, Desconsse, Dighy, Engle Head, East Ship Harbour, Feltzen South, Findlay Point, Fox 1sland, Freeport, Friars Head, Fruida Point, Grand Erang, Grand Xarrows, Half Lahand Cove, Hampton, Harbourville, Hunts Point, Interveness, Iona, Jones Harbour, Kelleye Cove, L'Ardoise, Linzam Beach, Litchelfdel, Little Harbour, Livingston Cove, Lower West Pulmies, Mieldars Point, Mexins Cove, Marble Mountain, Marcaree Harbour, Melleye Head, Parshourson, Port Dufferin, Port Gorge, Portguese Cove, Ross Ferry, Sandy Cove, Seotta Bay, Seaforth, Short Beach, Sight Point, Soler Claud, Sandr Lugonish, Summeeville, Swins Point, Meycoonagh, Windsor, Wolf Winde, Yoele Cove, Vardus Landy, Parshow Point, Mayeoundh, Surh Hagonish, Surh Toyan, Ungelander Fond, Outs, Landy E, Sandy Cove, Seotta Bay, Seaforth, Short Beach, Sight Point, Tower, Trout Cove, West Chezetzook, Westport, Weynouth, Whyceconagh, Windsor, Wolf Winde, Yaders Cove, Young, Landing.

Prince Edward Island, Annandale, Cardigan South, Georgetown, Hickeys, Hurds Jond, Little Sands, Minningesh, Mink River, Mount Stewart, Murray Harbour South, Pannure Island, Pinette, Port Selkie', Rocky Point, Souris, South Rustiee, Tignish, West Point, Wood Islands.

Ven Brunswick-, Albert, Andersons Hollow, Rack Bay, Barkes, Bay du Yin, Junion Corrt House, Campelliton, Caraquet, Chockish, Dipper Harbour, Durham, Kietts Lauling, Fairheven, Gogeto in, Chasies, Grand Anas, Hopewell Cape, Leonard One, Lords Cove, Lorneville, Martins Head, Millerton, Mills Point, Negnae, Oak Fourt, Quaey, Renforth, Richardson, Richineto Cupe, River St. John, Rothews, St. Andrews, Sei Mehran, Seil Cuce, Shedine, Shapoyan Gully, Shippigan, Stone troy, Trending Bende, Tremouth Creek, Welchrool, Whitehead.

Qualty – Aray and Gazenas, Aray and Gillons, Aray St. Jean, Baie St. Paul, Berender de Maleira, Bebril, Berthier (en bas), Buesinghum, Cubano, Caccouna East, Caro Guy, Caro Gye, Gazende, Chicoutini, Clarke Cety, Grass Point, Degiardins, Donalistoren, East Templaton, Fither Point, Fort Willom, Gape Iay, Goorge-Ille, Una Arayad, Graham, Graham, Graham, Else, Built, Fid, Hu mith Bay, Hadom,

Hull, He aux Coudres, He Perrot North, Isle Verte, Lacolle, Lake Megantic, Long Rapids, Lobbiniere, Magog, Malbaie, Masson, Mont Louis, Newport, Norway Bay, Phillipsburg, Pierreville, Pointe à Broussenu, Point à Elie, Pointe St. Pierre, Point Shen, Pont Laurier, Rimouski River, Rivière au Renard, Rivière des Vasse, Rivière Ouelle, Roberval, St. Alexis, St. Alphonse, Ste. Anne, St. Andre, St. Anne de Beaupre, Ste. Anne des Monts, St. Charles de Caplan, St. Denis, St. Elio, Ste. Famille, Ste. Felicite, St. Francois Sud, Ste. Genevieve de Batisean, St. Gregoire, St. Ignace de Loyola, St. Irence, St. Jean des Chaillons, St. Jean d'Orleans, St. Jerome, St. John's, St. Laurent, St. Majorique, St. Methode, St. Michel, St. Paul de PHe aux Nois, St. Pierre es Requets, St. Roch, St. Simoon, St. Unic, St. Zoitque, Sabrevois, Saguenay River, Sept Isles, Trois Laes, Trois Pistoles, Varennes, Vaudreuil, Woburn.

Onderio.—Bayfield, Beaumaris, Bowmanville, Bracebridge, Bronte, Bruce Mines, Benjinzton Channel, Charlton, Christian Island, Chute à Blondeu, Cobourg, Cumberland, Desbarats, Goderich, Grand Bend, Haileybury, Kincardine, Kingaville, Lakeport. Leamington, Uroirgand, Michipicoten, Minaki, New Liskend, Nipissing, Oslawar Owen Sound, Peleo Island, Pembroke, Petawawa, Peterboreugh, Port Colborne, Port Hope, Port Stanley, Rainy River, Rondeu, St. Joseph, Saugeen River, Sault Ste. Marie, Shrewsbury, Silver Centre, Sturgeon Falls, Thornbury, Toronto, Wendover, Wheatlev, Windoyr.

Manitoba .- Arnes, Gimli, Ilnausa.

British Columbia,—Bindley's Landing, Bold Point, Campbell River, Clayoquot. Comox, Crofton, Dignans Bay, Fagle Cliff, Gover Point, Grace Harboury, Grantlam-Landing, Halfmoon Bay, Hanmond, Haney, Hatic, Holberg, James Island, Langley, McDonalds Landing, McKaya, Matsqui, Metchosin, Mirror Lake, Mission, Moulu Lehmen, Nootka Island, Port Clements, Port Moody, Powell River, Prince Rupert, Quatisno, Riverside, Roberts Creek, Rocky Point, Safety Cove, Sapperton, Savary Island, Sidney Island, Smiths Landing, Sonitula, Ucluelet, Union Bay, Vancouver, Whannock, Willams Head, Willow Point.

DREDGING OPERATIONS.

Contract Dredging, 1917-18.

West St. John, N.B. (Deep water berths.)

Under contract No. 11418 with J. S. Gregory. Dredge Kela.

Quantity removed: 17,159 cubic yards, seow measurement, at 40 cents per endat yard. Class B.

Amount passed for payment \$6,924.82.

Work commenced October 26, 1917; completed December 8, 1917.

Object of work: Improvement of deep-water berths.

Doucet's Landing, Ouc.

Under agreement with La Cie Générale d'Entreprises Publiques. Dredge Non-Welland.

Quantity removed: 2,910 cubic yards, seew measurement at 30 cents per equilward. Class B.

Amount passed for payment, \$875; inspection \$14: total expenditure \$887.

fork commenced November 10, 1917, completed November 12, 1917.

Object of work: to dredge a basin in front of the Grand Trunk Railway where tiscan, Que.

Under agreement with La Cie Générale d'Entreprises Publiques. Dredge Mul

Quantity removed: 23,704 euble yards, seow measurement, at 18 cents per cuble yard. Class B.

Amount passed for payment, \$4,266.72; inspection, \$184.44; total expenditure, \$4,451.16.

Work commenced October 13, 1917, completed November 7, 1917. Object of work: to improve channel entrance to Bastiean wharf.

St. Maurice River, Que., (Western channel).

Under contract No. 11117 with La Cie Générale d'Entreprises Publiques. Dredge New Welland.

Quantity removed: 94,187 eubie yards, scow measurement at 9 eents per cubie yard. Class B.

Amount passed for payment, \$5,476.83; inspection, \$312.05; total expenditure, \$5,788.88.

Work commenced August 27, 1917, completed October 5, 1917.

Object of work: completion of channel in western outlet of river at Three Rivers.

Port Arthur, Ont.

Under contract No. 9490 with W. E. Phin. Dredges Excelsior and Dominion.

Quantity removed: 220,277-58 eubic yards, scow measurement, at 13 cents per eubic yard. Class B. (927-88 cubic yards, elass A at \$2, included).

Amount passed for payment, \$30,294.71; inspection, \$717.25; total expenditure, \$31,011.96.

Work commenced June 12, 1917, suspended for season December 8, 1917.

Object of work: Widening and deepening of main harbour south, widening channel to Kings elevator, completion of dredging of joint slip between Sask. Co-operative

and Grain Growers Elevators and dredging of basin and slip at Richardson elevator.

Kincardine, Ont.

Under agreement with C. S. Boone Dredging and Construction Co. Dredge Vinceford

Quantity removed: 16,241 eubic yards place measurement at 34 cents per eubic vard. Class B.

Amount passed for payment, \$5,521,94; inspection, \$113,81; total expenditure, \$5,635,75

Work - mm need July 20, 1917, completed August 24, 1917.

Object of work: to remove material on account of shealing in the harbour as each of numerial freshet.

Middle Island, Chatham, N.B.

Fader agreement with Peter England, dredge Peter England.

Quantity removed: 2,003-1 cubic yards seew measurement, at 40 per cubic yard, tass B.

Amount passed for payment, \$801.24, inspection, \$33.75, total expenditure, \$34.99, Work commensed June 6, 1917, completed June 20, 1917.

Object if work: to provide acce – at all stages of water to the quarantine station of Middle island by dredging a channel 20 feet wide 2 feet deep across shoul lying between the island and the mink and and by dredging an approach channel 2 feet deep, about 200 feet bag and 20 wale with basin (0.16) 40 feet at the wharf.

Curch River N.S.

Lord r regression with F. A. Fowhe, dredge Fow ic.

Quantity removed: 7,852/8 enhic yards seew measurement, at 252 cents per cubic tard, class B.

Amount passed for payment, \$2,667.04; inst etion, \$254.65; total expenditure, \$2,901.69.

Work commenced May 23, 1917, completed August 2, 1917.

Object of work: to provide for completion of dredging the channel entrance at Church River.

St. Peter Narrows, N.S.

Under contract No. 11171 with Costal Dredging & Construction Company dredge.

Quantity removed: 30,553 cubic yards. Place measurement at 26 cents per cubic yard class B and 15 cubic yards class A, at \$5.

Amount passed for payment, \$8,629.84; inspection, \$165; total expenditure, \$3,794.84.

Work commenced May 21, 1917, completed, July 12, 1917.

Object of work: to improve passage through St. Peter's narrows.

Cobourg, Ont.

Under agreement with R. Weddell Company, dredge Trenton.

Quantity removed: 8,172 cubic yards, place measurement, at 39 cents per cubic yard, class B.

Amount passed for payment, \$3,187.08; inspection, \$149.05; total expenditure, \$3,336.13.

Work commenced May 31, 1917, completed July 20, 1917.

Object of work: to provide necessary depths in shoal areas at entrance to harbour and to provide necessary depth in additional areas in inner harbour.

Fort William, Ont.

Under contract No. 7339 with Great Lakes Dredging Co., dredges Dominion and No. 6.

Quantity removed: 911,977 cubic yards scow measurement, at $10\frac{1}{4}$ and $22\frac{1}{2}$ cents per cubic yard, class B.

Amount passed for payment, \$156,381.20; inspection, dragging and sweeping, \$2,601,50; total expenditure, \$158,982.70. Drawback returned, \$15,638.12.

Work commenced May 15, 1917. Suspended for season November 27, 1917.

Object of work: cleaning up of shoals in and widening Kaministikwia and Mission rivers, including Westfort turning basin.

Picnic Island, Ont.

Under contract No. 7816 with C. S. Boone Dredging and Construction Co. Revision of final estimate, February, 1917. Amount passed for payment, \$2,757.38.

Completed November 3, 1916.

Port Stanley, Ont.

Under agreement with M. T. Hogan.

Quantity removed: 465 cubic yards, scow measurement, at 18 cents per cubic yard, class B.

class D.

Amount passed for payment, \$83,70.

Completed June 29, 1917.

Object of work : dredging along revetment wall.

St. John Harbour, N.B. (Berths 15 and 16.)

Under agreement with J. S. Gregory, dredge Keta.

Quantity removed 27.456 cubic yards, scow measurement, at 42 cents per cubic yard, class B.

Amount passed for payment, \$1,138.16; lifting sunken timber, \$100; total expenditure, \$1,238.16.

Work commenced April 3, 1917, completed April 16, 1917.

Object of work : cleaning up deep water berths at new docks.

9 GEDRGE V. A. 1919

Mills, Louis octo River, N.B.

By day labour, under District Engineer Stead.

Journity removed: 412 cubic yards, class B.

Amount passed for poyment, \$422.05; total expenditure, \$422.08.

Work commenced October 16, 1917, completed November 13, 1917.

Object of work: Dredging of cut to allow scow to ascend to landing.

t River, B.C.

Code agreement with J. W. Pike, dredge B a ' No. 2.

Quantity removed: 34,061 cubic yards, place measurement, class B., \$5 per hour birs of dredge.

Anoant passed for payment, \$2,230; inspection, \$36; total expenditore, \$2,266, Weak enourous I June 20, 1,07; completed Argest 15, 1917.

Diject of work; c mpletions ' channel to up er bridge.

Van Pass Pender Harbour, B.C.

Under direction of District Engineer Worsfold, by day labour,

Quantity removed: 1,010 cubic yards, solid rock, loose rock, sand, clay and chine alls,

Ame unt passed for payment, \$1,614.

Of jeel of work : to clean out channel through (anoe pass between Bargain harl our) Pender harbour.

1) ____ St. Louis, Que.

Day labour under direction of District Engineer Girard.

Ymount passed for payment: To rebuild temporary bridge, \$145.56; to construct image r abutments for permanent bridge at Pout Rouge, \$569.40; total expenditure, \$511.96.

+ rne Harbour, N.S.

By day labour, under direction of District Engineer Bernasconi,

Quantity removed: 3,155 cubic yards.

Amount passed for payment, \$1,500.

Object of work: to dredge cut through sand bar.

Pari Lund, Oak

Under direction of District Engly r Fuller, by day labour,

Anisonate \$670.82.

Object of work: Fitting out sweeping plant and inspection.

I same - Kit . Cal.

¹ (der direction of District Engineer Stevens, Aussiant passed for payment, \$11,25, (0)₄₀ () of work : removal of logs.

Let a fam, N.B.

By day he or, under direction of District Engineer Stead.

Quantill : 1300 camie yards

Am out passed for payment, \$1,529,67.

Object of work: Cleaning out of entrance channel through so down at entrance Final and to are ide a basic musile new pier-head to extend through to originally fould worth breaky after.

I mound part N.S.

D) die has 'r meder d'rection of District Engineer Dodwell, Arouit 5,000 en se yerds Arouint jussell for perment, \$2,110,70.

Object of work to dredge area to complete chaunel.

St. Charles River, N.B.

Under District Engineer Stead, by day labour.

About 1,500 cubic yards.

Amount passed for payment, \$481.06.

Object of work: to improve worst sections of the river to provide channel for delivery of shell mud and fertilizer to farmers.

St. John River, N.B.

Removal of snags under direction of District Engineer Goodspeed, by day labour, 81 snags removed; 44 logs removed.

Amount passed for payment, \$1,983.

Shediac bay (Grandigue), N.B.

Under direction of District Engineer Stead, by day labour.

Quantity removed: 25,849 cubic yards, class "B".

Amount passed for payment, \$1,032.59.

Object of work: to provide a minimum width of 36 feet in the cut leading from deep water in Shediac bay to Grandigue and Shediac island wharves in Shediac harbour.

Stave River, B.C.

Under direction of District Engineer Worsfold, by day labour.

Quantity: 3,200 cubic yards.

Amount passed for payment, \$1,752.59.

Object of work: to give sufficient water at log dump to float logs brought down from Stave lake.

Nitinat Lake, B.C.

Removal of rock under agreement with McDonald and Rice.

About 243 cubic yards solid rock.

Amount passed for payment, \$3,645.

Removal of a rock pinnacle in the entrance channel to Nitinat lake.

Dalhousie, N.B.

Under contract No. 9997 with Northern Dredging and Construction Company Drawback on work discontinued in 1914.

Payment under authority of O.C. April 26, 1918, \$497.21.

															9	GEOF	RGE	V,	A. 1919
	Cost Per cu. yd.		438	921-	182.	127	802	029.	721.	261.	-166	906.	.441		Htg.	202.	208-	-298	-411 -624
-	Total Cost. Per cu. yd.	\$ cts.		62,756-53				35,859 16		28, 274 53	33, 638-84	10,543 02			27,982 21			19,490 44	3,794 68
	Locality Cost.	8 cta.	44.047 35		15,900-60	9,855.06	10,103 50		24,432 34 3,842 19			23,685.57	2, 109–92	2, 186 72		9,920 98	8, 331-31		13,307 38 436 80
	Quantity.	cu. yde.	100,556	144,238	27,350	13,600	12,600	53,550	114, 207	144.544	318,419	-96,610	4.780		51,330	33,700	27,468	65.668	32,355
	Material.		Mud and sund		Logs, bark, mud, sand, gravel, roots,	Logs, sand, stones, stumps, gravel,	Clay, sand, logs, cement.		Gravel, clay, sand and sticks		Mud, stone, clay, gravel, oyster shells,	Sand, mud, gravel, sawdust, rocks,	Mud, sawdust, gravel, sand, rocks,	No dredging done on account of worther		Wharf, Mud. sand	Mud and sand		Mud, sand, brick, clay and rock.
	Locality.	MARITIME PROVINCES.	St. John Channel, N.B. Winter Port Berths, St. John, N.B.		Campbellton, N.B., (Govt. wharf) Logs, bark, mud, sand, gravel, roots,	Mission Pr. (Champoux wharf)	Bathurst, Téte-à-Gauche Bar, N.B		Bathurst, N.B Campbellton, Oak Pt.		Picton, East River, N.S.	This dredge was lost. Liverpool Channel, N.S.	Shelburne, N.S.,	Yarmonth, N.S		Bridgetown, P.E.1 Grand River, McPherson's Wharf,	oint, P.E.1		Not in commission. North Rustico, P.E.1. Rusti, oville, P. E.1.
	Date.		May 21 Sept. I		July 5-Aug. 11.	Aug. 13-Sept. 11 .	Oet. 6 Nov. 13		May 29-Oct. 18.		June 19 Nov. 5		Sept. 21-Oct. 17.	Dec. 7 31		May 21-July 28 July 30-Aug. 9.	Aug. 10-Nov. 3		May 31-Oct. 22 Oct. 23-31
	Dredge.		" No. 1		" No. 2"				" Na, 3"		" No. 5 "					" No. 9 "			"No. 11"

MRTMENT DREDGES, CALISNDAR YEA

48

DEPARTMENT OF PUBLIC WORKS

SESSIONAL PAPER No. 19			'		
+455 +420 -420 -420 -602 -602 -602 -607 -761 -761 -761	111	962 -	-368 -316 -316	226.	268-
15, 431 15, 431 27, 785 10, 703 10, 703 6, 095 2, 922 2, 922	96 796	1.694 23		10,735 76	
1, 686 56 1, 545 99 1, 545 99 1, 1, 80 33 2, 268 75 2, 268 75		6,750 66	1,119 99 502 60 2,332 51	15 900 97	
86,736 86,735 52,708 52,708 1,558 1,558 1,559 12,523		22,739	3,120 1,590 2,730	30, 179	455
Much snuth, chay, took and stotes. (i) Much snuth, chay, rook, graved, anim. Much stores and chay rook, graved, anim. Much stores and graved, Much stores and graved, Much stores and graved.	ONTARIO AND QUEBEC.	Clay, logs, stumps and boulders.		and the second s	Rock and gravel
Alberton, P.R.I. Muh, andi, day, rock and actua. Stort and actual actua	Not in commission		La Salette, P.Q. Bigelow Cut, P.Q. Long Rapids, P.Q.		
Nov. 1. 20. June 29: Oct. 20. July 9: Aug. 4 Mar. 1 20. Self. 21: Sov. 14 Nov. 17: 27.		June 28-June 30, July 23-Oct. 17. Nov. 21-		1 10 A 10 A	No. 103 June 4-10. June 20. Nov. Hawkeebury, Out June 18.23
	"Stonelifter No. 1."	"No. 4"		11 10 10 10 10	

REPORT OF THE CHIEF ENGINEER

49

15,758 62

12,078 401 28,666 12,144

Clay and bark. Clay and sand

Papineauville, P.Q. Contreceur, P.Q. Berthierville, P.Q. Ile au Foin, P.Q.

May 14 16 May 21-June 30 July 2-7 July 9-Oct. 15

" No. 106."

455 60,038

2	
-	
<	

Total Cost, Reverse
Locality T
Quantity.
Material
Logities
. 194

DEPARTMENT OF PUBLIC WORKS

201

9 GEORGE V, A. 1919

1,9460-61

10, 188

1	v 274	266.	1709	593	112		158	126 182 163 163	144				ats.	1 08	125.	390
		16.076.17			13.7.16 02	18 912			16, 057–68	16 16.	1.226.24					53,444.97
	6, 481–42 9, 594–75		732 S0 9, 970 83	3,042 33)			11,339 44	8.082 85 1.110 27 1.061 13 1.273 69					43, 285 62	9,175-43	983 92	
	23, 694, 47, 3590	71,026	9633	3,161	31.077		25, 800	64, 2%0 6, 100 6, 500 6, 100	111,780				120.218	8,446	2, 33H	136, 998
MANTTOBA, SASKATCHEWAN & ALBERTA.	Mud. sand and clay		Clay Clay	Boulders and sand			Mud	Mud and sand Sand and clay Mud and sand Clay				BRITISH COLUMBIA.	Mud, hardpan and broken rock.	Mud and broken rock	Mud and hardpan	
MANITOBA, SASK	Mouth of Red Rivor, Mon.		Repair Slip, Selkirk, Man. Slough, Selkirk, Man.	Rig George Island, Man		Not in commission	Month of Red River, Man	Park P.t. or Crescent Island Huanoa, Man Sugar Island, Red River, Man. Slough, Selkirk, Man.		Not in commission	Not in commission.	BRITI	Victoria Harbour, B.C.	Nanainso Harbour, B.C	Powell River, B.C	
	May 51 Aug. 16 Aug. 17-Oct. 30.		May 31 June 6 June 6- Aug. 3.	July 30 July 31.	107 11.0 L + 201V		May 31-4 aly 2.						"No. 301" Jan. 1 June 11. July 91 Day 2	June 12-July 9.	20	
	The solution		"No. 202".			' No. 204"	"No. 205"			"No. 208"	"No. 210"		"No. 301"			

REPORT OF THE CHIEF ENGINEER

1961

317

4,913 26

Sand and silt

Kootenay Landing, B.C. Sunshino Bay, B.C. Sand Heads, B.C.

43, 207 85 5.808.67

706, 100 18,495

6
÷.
5
2
õ
ĕ.
1-1
0
~
ц.
1
14
Þ-
£
Υ.
1
9
9
9
9
9
1
CAL
ES, CAL
ES, CAL
ES, CAL
GES, CAL
DGES, CAL
DGES, CAL
DGES, CAL
DGES, CAL
EDGES, CAL
EDGES, CAL
EDGES, CAL
REDGES, CAL
REDGES, CAL
REDGES, CAL
REDGES, CAL
REDGES, CAL
REDGES, CAL
REDGES, CAL
DREDGES, CAL
DREDGES, CAL
L DREDGES, CAL
AL DREDGES, CAL
L DREDGES, CAL
AL DREDGES, CAL
AL DREDGES, CAL
TAL DREDGES, CAL
TAL DREDGES, CAL
TAL DREDGES, CAL
AL DREDGES, CAL
TAL DREDGES, CAL
ENTAL DREDGES, CAL
IENTAL DREDGES, CAL
<i>(ENTAL DREDGES, CAL</i>
<i>(ENTAL DREDGES, CAL</i>
<i>(ENTAL DREDGES, CAL</i>
TMENTAL DREDGES, CAL
TMENTAL DREDGES, CAL
TIMENTAL DREDGES, CAL
RTMENTAL DREDGES, CAL
RTMENTAL DREDGES, CAL
RTMENTAL DREDGES, CAL
ARTMENTAL DREDGES, CAL
ARTMENTAL DREDGES, CAL
PARTMENTAL DREDGES, CAL
PARTMENTAL DREDGES, CAL
PARTMENTAL DREDGES, CAL
ARTMENTAL DREDGES, CAL

BRITISH COLUMBIA-Concluded.

								9	GEOF			19
Cost Percu.yd.		92 92 92 92 92 92 92 92 92 92 92 92 92 9	42F	90I.	.00 102	145 303 184 2.648	154	212	- 223	795 795 795	121	HI.
Total Coat. Percu. yd.	& cts.		7,836 67		4,859 22 8,700 70		57,792-79		103, 390 44	43,310 46		01,579 70
Locality Cost.	\$ cts.	490 13 20 64 128 95 6, 077 43		13,260 56		1,872 49 22,354 25 4,560 43 2,185 14		85,100 67 18,289 77		1, 376 47 2, 496 94 1, 757 52		
Quantity.	en yds.	870 25 164 12,717 2,806	17,065	124,215	53,630 84,830	12,840 73,680 24,740 825	374,760	400,790	-	109,050 14,550 19,650 12,900	1	80,300
Material.		Sand Swind Clay Gray Mud Sand		Sand and gravel	Silt and clay	Silt, debris Coarse sand Coarse sund Hardpan and boulders		First Narrowa, B.C. Parthia Shoal, First Narrows, B.C., Boulders and gravel		Did note anteriord B.C. Urry clay. Did not every, laid up & Chase, B.C. Forest Glen "A ", B.C. Sand correst Glen "A ", B.C. Sand and gravel Gradiane & Andrine, B.C.	Sand	
Locality.		Kelowna Saw Mill, B.C. C.P.R. Wharf, Kelowna, B.C. Control Dam, Okanagan River, B.C. Okanagan River Okanagan River Meilt Bood		Squamish, B.C	April 12-May 5 May 7 May 22, July 16 Ladner, B.C	Deas Island, B.C. N. Arm of Fraser, B.C. Heaps Eng. Works, B.C. Port Coquitiam, B.C.		First Narrows, B.C. Parthia Shoal, First Narrows, B.C.		Victors Marbour, B.C. Did not work, laid up at Chase, B.C. Forest Glen "A", B.C. Ottenstood Point, B.C. Gralanes Landing, B.C.		
Date.		Jan. 1Jan. 9. Jan. 10-Jan. 11. Jan. 12Jan. 19. April 18-Oct. 22. Oct. 21-Nov. 6		Jan 1-April 11	April 12-May 5 May 7-May 22, July 16	May 33-June 2 Aug. 9-Nov. 22 Nov. 23 Dec. 15 Dec. 17-Dec 31.		Ian. 1-0et. 15 Oct. 16-Dec. 31.		Jan. 1-Dec. 31. Jan. 1-Jan. 31 Feb. 1-Mar. 31 April 1-May 7.	Nov. 5-Dec. 31 May 8-Nov. 4	
Dredge.		THE JUNE		"No. 305."				"No. 306"		No. 309 No. 309		

DEPARTMENT OF PUBLIC WORKS

52

REPORT OF THE CHIEF ENGINEER

SESSIC	NA	LP	APE	R No.	19
1 00 -931. -399	692-	3.96	3.76	6.25	1
	10,731 47	28,104 72	23,049 20	12,757 73	
527 13 8,465 30 1,739 04			6,119		
525 9,086 1,351	13,962	7.084	6,119	2,041	
Rock and boulders Gravel and boulders Broken rock		Rock	Rock	Rock	
Victoria Harbour, B.C		Victoria Harbour, B.C R	Nanaimo Harbour, B.C	Victoria Harbour, B.C	-
"No. 313", Jan. 1-Jan. 22 Jan. 22 Jan. 23-Aug. 22		Rockbreaker Jan. 1-Dec. 31.		Prilling Plants "No. Jan. 1-Oct. 13 and 2	
"No. 313"		Rockbreaker	Rockbreaker	Drilling Plants " No. and 2 "	

53

DRY DOCKS.

ONAMPLAIN DRY DOCK.

The rock excention was completed by the end of October, 1917, to its 1ull depth and width, except for little trimmings on top, which will be done next year.

The total quantity of excavation, this year, amounted to 76,100 cubic yards

The concrete walls of the dock were completed from station 7 = 25 up to station v = 90, except for the timber side in the first part of the dock, and from section 0 + 90 to 0 + 00, the walls on each side are more than half completed. The bottom of the dock is completed to station 0 + 90. Early in the spring, they completed the pumphouse foundations. The concrete work could have been completed at the head of the lock but owing to unusual cold weather and owing to the testing of the floating caisson which took more time than they expected, they had to stop work for the winter.

During this year, the total yardage of concrete was 37,400 cubic yards in the lock proper and 5,500 cubic yards for the crib superstructure.

During this season, two cribs were sunk, one 75 feet long at the north end of the western guide pier, and the other one at the end of the eastern guide pier. There are two more cribs to be sunk, they were to be set in place this fall, but the dredge did not have time to clean the seats before the ice formation.

The total yardage of eribwork amounted to 5,300 cubic yards.

The Montreal Harbour Commission dredge started work July 2 and stopped November 16. During this period, the channel was dredged out to 30 feet at L.W.O. S.T. After the main dredging was done, cleaning np the channel bottom was started but as it was late the dredge lad to leave for the winter.

The only work left on submarine rock dredging for next spring is to complete the cleaning of the channel bottom and to complete the dredging of the two crib seats.

The total yardage taken out this similar amounts to 34,400 cubic yards.

In the boiler room and generator room, the balance of machinery has been all set up but not properly tested yet.

The total work done in power house this year amounted to \$20,980,70.

Early in the spring, the foundations were completed and soon after, pump bakes asyabilit. During the summer and the full, the cretchion of the three main pumps and of the two draining pumps were carried out. The tile work in pump house is partly Subshed and will be beneficted by the spring.

The two caissons were completed this year, except for the floating caisson on which two motors for the pumps are not set and tested yet.

All the shrice gate valves were set and coupled with their motors, and 70 per cent of the underground withing of all sizes is completed.

ESQUENTIAL GRAVING DOCK.

During the fiscal year ending March 31, 1918, c'ghteen ships were doeked for deaning, printing and repairs, occupying the dock one hundred and ten days in all,

Repairs were effected to Nos. 1, 2, and 3, main boilers by the use of an electric redding plant, which will add considerably to the life of each boiler.

The coal bunkers, a building 57 by 32 feet, was removed and replaced by a new building on concrete foundations.

The latrines ware also replaced by a new building 31 by 10 feet, constructed on secrete micro.

Corrugated iron was used in the build ugs constructed.

The staff has been otherwise variously employed in attending to the decking and solutions, the curve of buildings and machinery, and special attention was to the judge do more's of the eccine by scalar and painting. With the curve

tion of some minor renewals, the plant is now in good working condition. The electrically-driven 6-inch vertical centrifugal pump installed in the past fiscal year has proved very satisfactory. The total expenditure to March 31, 1918, was \$17,811.27.

SELKIRK.

Repair slip.—The repair slip was operated as usual this season. A total formage of 4,666 was handled of this, 1,284 tons were departmental and 3,382 tons commercial. Total revenue from this plant amounted to \$1,714,36. The expenditure is \$5,512,21.

LOCKS AND DAMS.

QUEBEC.

OTTAWA RIVER.

Timiskaming reservoir.

Downstream from the Ontario sluices, all holes secured in the rippra paron were filled with quarried rock at the beginning of the year. The spring flood ran 80,000 e.f.s. maximum, and there was about 58,000 e.f.s. mean flow for June. The result was that securing in the heavy rock bed again took place, and re-filling was necessary, the work being done between December and March.

The winter was extremely cold, and labour was poor and scarce, so the re-filling was slow until the middle of Januar. With increased force, better progress was made and as far as possible large rock was used, much of it being $\frac{3}{4}$ cubic yards to 14 yards. To end of January, \$200 cubic yards were placed, and in February, 1,500 yards more up to the 15th, when track had to be taken up from below the Outario sluices in order to feed storage.

During March, 1,200 cubic yards of rock of large size was placed below the Quebee slutices. Some excavation, chiefly boulder material, was done upstream from the Ontario dam in order to clear the approach flow-way of the ridges left by steam shorel. All excavation was closed down in April.

Timiskaming reservoir was filled to elevation 587.9 by May 25, 1917, and remained so till the middle of September. Storage was given out for about a month, the surface falling about 24 feet. The autumn rains refilled the reservoir to elevation 586, and from December till end of March about 10 feet was drawn off.

Quinze reservoir.

During the spring, arrangements were completed with regard to the flooded timber around the reservoir and, after a conference with the lumbermu and power owners, it was agreed to fill the reservoir to elevation 864 as soon as possible. This meant ruising the main road at several points in Latulippe township, and reconstructing the bridges, the work being begun in June. All the bridges were finished by the winter but bad weather in this day and the difficulty in securing teams and labour delayed the carthwork, so that it could not all be finished before freezing weather.

Six pile trestle bridges were constructed, the total length being 800 feet, and 1,850 feet of approach embankments were made. Besides this, 1,500 feet of road diversion was finished.

The Latulippe settlers asked very unreasonable prices for the hand floodel, and refuse to consider the offers made by Mr. Cross, Gradually, however, the creater number have accepted the very generous prices of \$50 per acre for early, and \$5 per acre for shall, and \$5 per acre for lash land. At Quinze dam itself some repairs were made to the concrete piers, where spalling continues from time to time.

The log drive was passed without trouble in the spring, and then a storage of about 5 feet in depth was held upon the reservoir.

The reservoir was filled to elevation 830-5 by the end of May, 1917. The spring fixed ran 42,400 c.f.s. maximum and a mean of 30,000 c.f.s. for June. About 44 fect of storage was used to October, then the autumn rain raised the surface to elevation 537 in the first week of Nevember, whence it fell to 1st January, 34 fect, and another foot to 31st March. The shallow channel between the islands at the head of the river prevented its being drawn down further, although the slucies were wide open.

Kipawa reservoir.

There was no work of any consequence done in connection with the dams. The reservoir was field to elevation 8×4.9 on June 6, 1917, and remained about that level to the middle of July, whence it field $3\frac{1}{2}$ feet to the middle of October. It was then fairly constant till 20th January, 1917, whence it was drawn down 5 feet to the end of March. The greatest outflow was 7,400 e.f.s., June 9, 1917, and the mean for June was 4,700 e.f.s.

Chaudière Falls, Ottawa,

The result of the storage may be judged from the following mean monthly flows at the Chaudière mills:

October			27,800	c.f.s.	January 21,600 cf.:	8.
November.			29,000		February 19,300 "	
December			27,000	**	March	

It will be seen that generally, the flow was over 20/00 e.f.s., which is considered ample for all the manufactures. Under natural conditions the flow would not have been half the above in February and March, as the winter was one of the coldest on record, and for minety days there was no thow. In February, there was a minimum of 17.300 e.f.s. due to anchor ice conditions in the Deschenes rapids. Under natural conditions anchor ice would have affected the flow all through the winter.

Metering.

Flow measurements have been continued at La Passe in order to fix the flow at that point with relation to the height of Coulonge lake. Meterings are also being made, to define the relation between the flow in the Calumet and Rober Fondu ehannel, and the party also measured Coulonge river, Black river, and the Mattawa summit waters.

From time to time, measurements are taken of the Gatineau, Rideau, and the main Ottawa at Besserer's Grove, the work being done by the party that rates the metering instruments at Dow lake.

Another party is stationed at Carrillon, measuring the main river also the Lièvre, Rouge, and North rivers. The measurements at this point, added to the measurements of the St. Lawrence at Iroquois, are for use in connection with Montreal harbour levels.

In connection with maintaining Quinze reservoir, the flow contour elevation 864, has been surveyed through Deauneville township, and levels required for the road work in Latulippe township have been given by the same party.

RIVIÈRE DU LIÈVRE.

Lock and Dam.

Work during the past year consisted of operating the lock, placing the repairing booms in spring and removing them in the fall, new safety boom was placed in the

fall, the fence around the property was rebuilt also last fall, renewing sheathing on apron of dam, rebuilding the two centre piers of the dam from low-water line, repairing timber slide, replacing roller and frame to lift stop-logs in slide by a pair of winches. Minor repairs to the Lockmaster's quarters.

Expenditure during the fiscal year, \$5,906.95.

RIVER ST. CHARLES.

Locks and Dam.

Work performed during this fiscal year is as stated below.

The completion of the fabrication of steel for the floating caisson for lower lock entrance.

Excavation for the mattress on the north shore of the river above the dam. The material was removed by a suction dredge and pumped to the government property on the Limoilou side west of the Canadian Northern railway, to raise the surface to make it available for building or commercial purposes in the future.

Permanent steel girders to carry the Canadian Northern and Quebec Railway tracks have been erected over the sluiceway openings in the dam to replace cribwork which has to be removed for the construction of the sluiceway and piers.

Total expenditure for year, \$101,174.56.

YAMASKA.

Yamaska, a thriving village situated on both sides of the Yamaska river, about eight miles from its mouth, where it empties in the St. Lawrence. Two miles below the village is situated the lock and dam built by the Department of Public Works in order to faelitate navigation on this river.

Work of repair done by day labour, commenced on October 11, and was completed October 31, 1917, and consisted in reconstructing the four upper tiers of the dam at the little channel and making a concrete flooring on top of the dam which is used as a roadway.

In the execution of the above works 7,207 feet b.m. of timber, 60 bags of cement, and some iron were used.

During the fiseal year 1917-18, the expenditure was \$671.15.

Manitoba.

St. Andrews Lock and Dam,

The lock and dam was in operation from May 8 to November 29.

In the month of August, it was found necessary to raise the curtains of the dam to remove brushwood, etc., to facilitate the better operation of the same. Owing to the small discharge of the Red river, canvas was placed at different points on the dam to prevent undue leakage.

During the navigation season, a gross tonnage of 25,635 passed through the lock, and 530 small craft. Passengers to the number of 5,897 were carried.

Excursion boats made daily trips on the water regulated by the dam.

SLIDES AND BOOMS.

OTTAWA RIVER WORKS-ORDINARY REPAIRS.

North Chaudière Station.—A new guide beom was provided for the entrance to the upper slide, the bulkhead of the slide was rebuilt, and the winches for ruising the

stop-acce were researced upon a new frame. A temporary apron of timber was placed if the outlet of the lower slide to prevent the logs from being damaged by striking the rocky bed of the river at stages of low water.

South Chaudière Station.—The expenditure at this station was for materials for quairs to the storehouses and guide booms at entrance to slide; the work having been reformed by the slide master and his men.

TRIBUTARIES OF OTTAWA RIVER.

Gatineau River. - The repairs on this river consisted in placing extra serew bolts to strengthen the main boom and in repairing the boats and station-house.

Muchanaska River,—At the month of the Machanaska, the top of one of the piers in somection with the retaining boom was rebuilt. This pier is 14 feet by 17 feet at the sater's edge, and 11 feet by 13 feet at top, the height of the new work being 5½ feet. Two fenders of 10-june's numer timber were placed on the face of the pier.

At Araption the guide booms were repaired, and two of the piers at head of the detwere rebuilt from low water level, a height of 6 feet. One of the piers is 18 feet 22 feet and the other is 15 feet by 16 feet. A cedar post was placed in each pier, and wildfinual storelling was rowided to fill the piers.

At the retaining beam at head of Calabagie lake, five piers were rebuilt from the stor surface. No, 1, is 22 feet square; No, 2, 24 feet square; No, 3, 21 feet square; al Nos, 4 and 5, each 20 feet square. All the piers are battered so that the size of = h is 7 feet less at top than at water's edge, the beight of the new work on each pier and 8 feet.

At High Falls, the tops of four piers supporting the guide boom at head of slide core relatify. Nose, 1 and 3 are 20 for square at the water line and 15 for square at 100; No. 2 is 36 fort in front, 12) fort in rear, and 18] fort on slide; No. 5 is 33 fort af front at heave and 29 forct at top, 14 fort in rear a lane and top, the length of the olds being 24 fort. The height of the new work on piers Nos, 1, 3, and 5 is 9 fort.

A new pier was also built at the lower bulkhead. It is ± 11 feet long and $5\frac{1}{2}$ feet de, the height at lower end is $\frac{1}{2}$ if feet and at the upper end it is 2 feet. The sheeting 36 the pier dam between the two bulk-heads was renewed in places and some repairs two made to the main controlling dam.

At Ragged Chute extra stonefilling was placed in the pier dam across the blind bound at head of chute.

At Chain Rapids the tops of two piers had to be rebuilt. No, 4 is 18 feet by 16 but at base and 16 feet by 14 feet at top: No, 5 is 18 feet spunce at base and 14 feet mare at too, the height in each ease being 8 feet.

Coulom: River, $-\ln$ the spring of 1017, two breaks occurred in the shide at High bala, one an zhot April and the other and 5th May. On the former constant, the mentalizin stringers broke while loss were raming in the shide, and the superstructure gave way for a length of 18 fort; the other break was emised by a rock shife from its non-narrow which arrest on a section 56 fort in length. The damage was required by all provide haste, so fittle delay was occusioned, in either case, to those using the de-

Black River. A section of the High Falls shde, 157 feet in length, immediately indeed and and wave experiment, as the from drawn host settled, emains the bottom. The state is as a much as 19 miles below grade at the centre of the bow. The gravet sector was relies do up to their and properly blecked i understeadly, and diminged metric is used and hostion of short and decayed part, and brows were all remewed. This has the state of the sector is protect the left fing.

Peterwawa River.--At the mouth of this river, a pier was built to form a gap to allow small eraft to pass through the retaining boom. The pier is 16 feet square and 9 feet high. Another pier, the first below the wharf, was patched, as some of the top timbers were decaved.

At Second Chute, the expenditure was for pine plank used in repairing the slide.

At Crocked Chute, the eamp house was repaired, and an addition was built. Sections of the floor of slide at the outlet and just below the bulk-head were renewed with 6 inch naterial. Posts were replaced in the slide; a course of timber was placed on the tops of the foot and curtance piers and five stop-logs were made for the bulkhead. The main controlling dam was repaired, it having been found necessary to renew several of the crossies and longitudinal timbers.

At Thompson's rapids, the outlay was for timber for repairs to the retaining dam.

At head of Lake Traverse, the tops of two piers of the boom were rebuilt. They are each 16 feet square, battered to 12 feet square at top and 8 feet in height. Each is supplied with a snubbing post.

At Poplar chute, a glance pier, 48 feet long. 8 'feet wide and 5 feet high, had to be restored. The pier is close-work in front and open in rear.

At McDonald's elute, the main governing dam, 110 feet in length, to the south of slide entrance, was rebuilt. This is a flat dam, 9 feet thigh at rear with an average face of 16 feet. Two piers at the guide boom required attention; the one on south side at upper end of boom, 13 feet by 16 feet and 12 feet high, was altogether renewed, and the other, also on the south side and immediately above the slide, had its top timbers repaired. Four lengths of guide boom were taken out of the water, damaged ends were sawn off and new holes were bored well back in the solid timber for the competing chains.

The amount chargeable to Cedar lake station was for timber for repairs to the retaining dam.

GENERALLY,

Gatiment River.—Eleven tons of one-inch diameter B. B. iron chain were provided and placed on the government boom near the mouth of this river, to guard against excessive strain, when the water in the river is at spring flood.

Coulonge River .- At five different places, portions of the Iligh Falls slide were rebuilt from the foundations. The old timbers of the latter were removed and laid in the new to receive the bents which vary in height from 10 to 16 feet; twenty-eight new bents were placed and five old ones were repaired and strengthened with extra bracing; 126 posts with the usual braces, 83 cross sills and sheathing in sides and bottom at these five places were all renewed. There were two lengths in the second section, 72 feet and 108 feet; two in the third section, 144 feet and 116 feet; and one in the fourth section, 75 feet. At other places in the slide, it was found necessary to patch the sheathing in sides and bottom, also to replace some of the posts. Three stay chains, 28 feet, 25 feet, and 21 feet in length were set to steady the superstructure. One end of each chain is connected to an eye bolt which passes through the stringers of slide. while the other end is made fast to an anchor bolt sunk in the solid rock on the side of the mountain. The posts supporting the bulk-head of slide were repaired and eleven bars of flat iron were secured to the sides of the head piers, to guard against abraison from passing logs. One of the guide booms, 125 feet long, was water-logged. so two lengths of timber extending the whole length of the boom were placed on top to give greater buoyancy, the upper portion of the boom being planked with 2-inch pine.

ST. MAURICE RIVER.

All movable and immovable government properties used for the purpose of transmission of timber, on this river, is leased to the St. Maurice River Boom and Driving Co., which lease took effect on February 1, last.

Under supervision, the company maintained the whole work in a very satisfactory manner and made several important improvements reudered necessary on account of the constant increasing lumber business on the river.

BRIDGES AND ROADS.

Ottawa.

BRIDGES AT OTTAWA, AND ROADWAY AND BRIDGE APPROACHES TO OTTAWA AND HULL.

Laurier Bridge—The hand-rail on the top of the guard fence, on northern side, was reneved for the whole length of the bridge, the one on the other side having been treated in a similar manner previously. The old rail was of rolled steel and was so ladly corroded that holes were eaten completely through the material. All the guard fence received a coat of paint. Considerable repairs were made to the sandstone pavement on both approaches to the bridge; rolly one-third of which was taken up and relaid to grade on the western approach, while at the other end the worst places were attended to. All the pavement re-hald was grouted with ecnent.

Chaudière Slide Bridge.—The roadway of this bridge was cleaned, the guard fence on the western side was painted and the pavement was kept in repair. The east-from grating and drainage chambers were kept free of debris throughout the senson.

Union Bridge.--The roadway of the Union bridge was kept clean, the planking was patched, and the guard fence was repaired.

Roadway and Bridge Approaches between Ottawa and Hull.—The pavement on this thoroughfare was eleaned frequently, and repaired. The woolen guard fence and pipe rail on the eastern side, from Union bridge to Hull, received two coats of paint while the gratings and weeper holes received proper attention throughout the year.

During the winter, surplus ice and snow were removed from the roadways of the bridges and sidewalks, and the latter, when slippery, received a coating of sand to aid pedestrians who had occasion to use them.

In spring, the usual drains were cut to carry off the surplus water.

ONTARIO AND QUEBEC.

By genn—The work of repair to this bridge was renewing the roadway at both ends of the two main spans, with Sinch pine plank. The portion repaired at the Calunder island end was 71 feet long; and that at the Bryson village end, 135 feet, the width of the planking in both cases being 199 feet. A wheel guard of 6-inch square codur was lind at both sides and in the centre of the portions renewed. About 25 cubic yarks of gravel were deposited at the Calumet island end to bring the roadhed even with the planking on the bridge.

Chapcau.—The work at this bridge consisted in filling in behind the concrete retaining walls, on the northern approach, with stone and gravel, about 430 cubic yards having been used in doing so. The fill on the upper side is 140 feet long, of an average depth of 2 feet and extends up the bank about 16 feet of an average. The fill on the lower side is 144 feet in length, 4 feet average depth and extends up the bank an average of 20 feet.

Rapides des Joachims.—The pipe-rail on the bridge across the main channel of the Otrawa river, having been disconnected through contraction, had to be joined again, and at another place on the same bridge, part of the piping was missing and was repaired by a new piece with a coupling. The wooden guard fences on both approaches to the two bridges were repaired where the boards were broken or defective; 24 merses of 1- by 5-met pipe having been used for this purpose.

On the Ontario approach, a culvert collapsed and this necessitated the placing of two pieces of cedar, each 16 feet long. The roadway over the culvert was graded with gravel and stone.

Four sign boards for the regulation of traffic were placed at both ends of the two bridges.

MATAPEDIA INTERPROVINCIAL BRIDGE.

The Matapedia Interprovincial bridge links the two shores of the Restigouche river, thus uniting the provinces of Quebee and New Brunswick.

The work done during the last fiscal year consisted in the repairing of planks in a temporary manner, stopping the most dangerous holes in order to render the bridge safe for winter. More extensive and necessary work could not be done on account of weather conditions.

PITTS BROOK.

Pitts Brook is located in the Matapedia military road, about two miles from Stc. Florence de Beaurivage, in the county of Bonaventure. It is situated in that part of the road where there is no municipality to take care of its maintenance.

The work done during the facal year 1917-18, consisted in the reconstruction of a bridge, 48 feet in length by 16 feet in width, placed upon two cedar abutments. The flooring is in 3-inch deals.

HARRICANA RIVER BRIDGE.

Traffic Bridge at Amos, Que.

The Government of the province of Quebee was authorized by Order in Council of the 4th October, 1917, to proceed with the construction of a fixed wooden bridge across the Harricana river, at the village of Amos, Que.

This bridge consists of two spans, continuous over the centre pier, of a total length of 304 feet, with approaches from the two shore piers. The latticed trusses are roofed over. Provision has been made for a clearance of 14½ feet above high-water level, and for lighting the channel span.

The bridge was opened to traffic in the late autumn.

MUSKRAT RIVER (MEATH STATION),

Canadian Pacific Railway Bridge.

The Canadian Pacific Railway Company proceeded with the construction of their new bridge across the Muskrat river, in order to do away with the existing 600-foot trestle built skew to the stream, over twenty years ago, and which intersects the highway bridge (O. C. June 15, 1912).

Piles were driven to a great depth for the footing of concrete abutments; during the coarse of placing the ballast fills to said abutments, the work settled down and virtually disappeared while, at the same time, the river botton on either side was raised several feet. As the new line for this diversion is built through marsly soil, the company found it necessary to purchase additional land and cut a new channel for the river, to which the steel span (plate griner 87 feet 2 linches long) has been removed. This new channel is located some 900 feet from the originally proposed location of bridge, and is to be maintained by the company.

The new bridge and diversion track were completed in July, and traffic was diverted thereto on 15th August, 1917.

GRAND RIVER BRIDGE.

Grand River bridge is a highway bridge over the Grand river at York, situated males from Caledonia. Seneca flag station is the nearest freight point.

The spring flow of ice injured the upper posts in each bent of the timber trestle is used and the bridge; work of repair consisted of renewing broken plauks in the decking; of renewing ± 00 feet ban, and replacing eight 10 by 10 posts in the testle, and these posts were braced to the other posts in the bents with 1 by \pm braces. The work was finished March 30. Excenditure, ± 34.52 ,

Alberta.

FDMONTON.

The fity carried out repairs to the roadway, which included patting in steel flange of along the roadway and street car tracks and in making the necessary renewals to use wood block payment, as well as, some other minor repairs.

The cost of this work to the department was \$359.16, it being one third of the least, as under the agreement, with regard to the upkeep of this bridge; in the works of August and September last, this department put a small force of men at one clearing off the debris from the lower chords which had accumulated there from readway, and the sum of \$30 was expended, and owing to some extra work which reacessary in repairing the flash beards below the roadway of the bridge there was odd the sum of \$30.50.

SPRAY RIVER.

Repairs consisted in role filling and riprap; the nock was obtained from giveroternit quarry, and humber from the Forestry department.

Work was corried out by day labour at a cost of \$439.72.

GOVERNMENT TELEGRAPH SERVICE

By D. H. KEELEY, GENERAL SUPERINTENDENT.

			LENG	си ор 1	LINES	4	
Location of Lines.	Points connected.	Year	Land Lines.	Cables.	Total.	Number of Officies.	Messages Sent.
			Miles Wire.	$\mathbf{K}t$'s,			
Nova Scotia	Port au Basque—Cape Ray. North Sydney - Meat Cove (with loops).	1883 1880-02	14 1689		14	2	
100 - 14 100 - 14	Across Bras d'Or Channel " St. Anns Harbour (Englishtown). " Ingonish Harbour	1880 1887 1887		-2-19-19-19	170	25	
	" French River Big Bras d'Or-Kempt Head	1904 1890	20	·····	j 20	3	
	Meat Cove—St. Pauls Island. On St. Pauls Island. Bay St. Lawrence to Money Point	1890 1890 1907	38		} 23 8	1	
	Mabou-Meat Cove	1887-00 1883 1883	116] 16		116	12 Leas-	
	" Lt. House Channel	1883 1903	419		∫ 114 } 73∛	ed.	
	Port Hawkesbury-St. Peters St. Peters - Main à-Dieu Main-à-Dieu - Scatari	1903 1904 1902_09	32 83 1 1		1 1		
	On Scatari Island	1904 1904	71 381		1331	19	
1	Little Bras d'Or-Kempt Head North Syoney-Eskasoni Eskasoni-Grand Narrows	1905 1905 1908	34 31 22		343 31 22	6 } 10	
	Grand NarrowsShenacadie-Beaver Cove Leitches Creek - Steeles Crossing (loop)	1910 1910	153 28		15½ 28	31	
	Baddeck-Little Narrows North Sydney-Little Bras d'Or (second wire)	1910 1906	19 <u>3</u> 6		19Ÿ		> 22,095
	Grand River - Enon Enon-Gabarus Strathlorne-Wycocomagh	1907 1909 1909	193 29 331		19 <u>4</u> 29 331	237	
	S. W. Margaree Whycocomagu-Little Narrows. Loch Ban Scottsville.		384		384	8	
	Whycocomagh -Orangedale	1912	87		7 8 7	5	
	Little Narrows-Washabuck Centre Loop, Eskasoni-McAdams Lake	1912 1912	12		12 5 393	4 1 6	
	Baddeck, Nyanza Big Intervale Brook Village-Glendale Washabuck Centre-Grass Pond	1913 1914 1916	391 32 73		305 32 73	6	
	Port Hood, Island Branch :						
	(Length of construction in loop.)						
	On mainland at Port Hood Port Hood—Smiths Island On Smiths or Inner Island Smiths Island to Henry Island On Henry or Outer Island	1907 1907 1907 1907 1907	4 4 4	2 3	131	4	
New Bronswick.	Chatham-Escuminac-Point Sapin	1885	563			25	
	Carried forward		1010	31}	1.0413	171	27.00

Grand Harbour-Cheney Island Cheney Island-Whitehead Island Woodwards Core - Nantucket Nantucket-Duck Branch Partridge Island-Fort Dufferin	1880 1917 1880-17 1880-16 1880	Milles University 221	1011 1011 1011	Total.	121 Number of Offices.	Messages Sent. 27,609 3,660
Bay of Fundy System : Campolello – Kastpert. Mainland Eastpert Campolelo Island. Campole Ube - Grand Mana Grand Hackour - Chenry Island. Grand Hackour - Chenry Island. Chenry Island – Whitehead Island. Wandward: Cove – Nantucket Nantucket – Jusk Franch. Partradge Island – Fort Duffrim.	1880 1917 1880-16 1880-16 1880-16 1880-16 1880-16 1890-1916 1890-1890 1890-1890- 1916 1914 1914	Wire. 1,010	311 1790 104 104			
Campobello—Eastport. Maninade Rastport On Campobello Ioland. Campobello—Iorand Manan On Grand Manan Grand Harkour-Cleney Island. Cheersy Island—Wintehead Island. Wasdward: Caw – Nantecket Nanteeket–Duck Brandh. Partridge Island – Fort Duffrin	1917 1880-17 1880-16 1880-16 1880-16 1880-16 1890-1890 1890-1890 1916 1914 1914 1914	1 112 215-4 4 34	801 101	773	14	3,660
Mainland Eastport On Campobello Island Campobello Crand Manan On Grand Maron Cheny Island Grand Harbour Cheny Island Cheny Island–Whitehead Island Woodwards Core-Anatoket Naniceket–Duck Erandi. Partridge Island–Fort Duffern	1917 1880-17 1880-16 1880-16 1880-16 1880-16 1890-1890 1890-1890 1916 1914 1914 1914	1 112 215-4 4 34	801 101	774	14	3,660
			100000			
frammet Rock Branch : Seal Cove—Big Wood Island. Big Wood Island—Little Wood Island Little Wood Island—Three Sister Island Three Sister Island—Hay Island. Campobello across Lubec Channel.	1910 1910 1910 1910 1916 1916	13 1 1	217-11-11-1) 149 	4	
Magdaten Island System. Mest Cove, C. B. – Magdalen Islands	1880 1881-02 1902 1902 1909 1902 1905 1909 1909 1910	831 1 5 8 6 6 2	55 11 69	1843	20	4,574
Anticosti Long Point Mingan	1881 1881 1881-90 1890	28 2234	44‡ 21	} 3163	9	1,908
	1904 1904 1904 1903 1903 1903 1903 1905	98 78 37 13 314 7 8 73) 58 142		98 78 37 13 46½ 73Å 58 14½	5 5 3 1 10 4	
	Big Wood Island – Little Wood Island, Little Wood Island – Three Steire Island Little Wood Island – Three Steire Island Three Steire Island – Hay Island, Campolelo neers Labec Channel, Mapdaton Lista System. Maa Cove, C. R. Magahlen Islands, On Begin Island to Dingsalls, Grosse Isle, – Bronn Island – Islands, On Begin Island to Dingsalls, Theorem Island to Dingsalls, Theorem Island to Dingsalls, Mark Cove, C. R. Magahlen Islands, Mark Cove, C. R. Magahlen, J. Mark Marken, J. Mark & Pougers, J. Kane & Fougers, L. Kanes, J. Mark Antisonti, Kuttra, Caspie L. Line & Pougers, J. Janes, J. Casterna, Bay, Mark J. Mark, J. Casterna, Bay, Mark S. Jan, J. Charles, K. Alexa, S. Catherina, Bay, Mark J. Paris, K. Catherina, S. Alexa, S. Catherina, Bay Catherina, Marky Bay, S. Catherina, Bay Catherina, Marko J. S. Catherina, Bay Catherina, Marko J. S. Catherina, Bay Catherina, Marka, J. San, Catherina, Bay Catherina, Marka, J. San, Catherina, Bay Catherina, Bay Catherina, Bay Catherina, Marka, J. San, Catherina, Bay Catheri	Saal Coose-Big Wood Land, Big Wood Land, Litche Wood Land, Litche Wood Land, Litche Wood Land, Three Sister Land, Gamer Kock Stransberg Land, Gamer Kock Margalen Land, Gamer Kock Margalen Land Magdalen Land Magdalen Land Gamer Kock Margalen Land Gamer Kock Margalen Land Gamer Land Gamer Land Gamer Land Gamer Land Grindstom- Banchois (hop wire). Janes Urknes Anberst Hand Anterst Kank Anberst Hand Charlen Land Grindstom- Banchois (hop wire). Janes Grindstom- Banchois (hop wire). Janes Grindstom- Banchois (hop wire). Janes Land Grindstom- Banchois (hop wire). Janes Land Grindstom- Banchois (hop wire). Janes Land Statust Katter Katter Janes Land Statust Katter Grindstom- Banchois (hop wire). Janes Land Antiovit Suffras. Janes Land Antiovit Long Point Mingan Anti-sett Long Point Mingan Anti-sett Long Point Mingan Anti-sett Long Point Mingan Statust Charles Marga Jay St. Catherme Hay (2 wire). St. Alacia St. Catherme Hay (2 wire). Marga Jay St. Catherme Hay (2 wire	Sad Coros-Big Ward Hand. 1910 Ber West Linder-Little Wood Hand. 1910 First State Linder Wood Hand. 1910 Three Site Land - Gamet Rock. 1910 Three Site Land - Gamet Rock. 1910 Three Site Land - Gamet Rock. 1910 Magdaten Linder States. 1916 Magdaten Linder States. 1916 Magdaten Linder States. 1916 Magdaten Linder Gamet Linder States. 1916 Generative Comparison of States. 1917 Generative Comparison of States. 1917 Generative Comparison of States. 1917 Generative States. 1918 Generative Comparison of States. 1919 Generative Comparison of States. 1919 Generative Linder Comparison of States. 1910 Generative State	Sad Corne-Big Ward Hahm. 101 Ber Wert Lander-Larde Word Lahm. 100 Lattle Word Lahnd. 100 Free Stater Lander-Carnet Rock. 100 Three Siter Lahnd. 100 Three Siter Lahnd. 100 Three Siter Lahnd. 100 Magdate Liker Channet. 100 Gren Eds From Engelsen. 100 Theme Hardner. 100 Gren Eds From Engelsen. 100		Sagt Conver Fig. Word I shand. 1910 1 Bet Word I aland — Three Sister I shand 1910 1 Little Word I aland — Gamet Kock 1910 1 Three Sister I aland — Gamet Kock 1910 1 Three Sister I aland — Gamet Kock 1910 1 Three Sister I aland — Gamet Kock 1910 1 Magdate I klow Channed, 1910 1 Macoxee, Chan — Magdaten I shand, 1900 6 Om Magdathen I shand, 1900 6 Times Harknow, Pointe Basse Hoops 1900 2 6 Grindshame, Harknow, Entry I shand 1900 6 Atteoret I along 4 convers, 1980 2 141 Atteoret I along 4 convers, 1980 2 141 Atteoret I along 4 convers, 1980 2 141 Atteoret I along 4 convers, 1980 2 141

GOVERNMENT TELEGRAPH SERVICE-Continued.

GOVERNMENT TELEGRAPH SERVICE-Continued.

· · ·			LENG	TH OF	LINES.	of fices.		
Location of Lines.	Points counected.		Land Lines.	Cables.	Total.	Number of Offices.	Messages Sent.	
			Miles Wire.	Kt's.				
	Brought forward		1,845	2093	2,0543	246	37,751	
	Chicoutimi DistCon.							
ueb.c	St. Charles—La Pipe La Pipe—Peribonka Bay St. Paul—St. Placide Taché—St. Lonis de Nazaire Loop	1907 1908 1908 1912	30 17 84 5		30 17 83 5			
	North Shore Line :						1	
	Murray Bay-Chateau Bay (Tadoussac). Across Saguenay River at Tadoussac	1883	9473	~ii}	9493	74	44,864	
	Bersimis - Godbout. St. Simeon to Cap Salmon Lt. (loop wire).	1909 1904-05 1909	114 4		114			
······································	Harrington – Harrington Island Point Lebel Loop.	1909 1909 1915	11 12 5	3.		1 1 1		
	Quarantine System :							
Image: Control of the second	Quelter – L'Ange Gardien L'Ange Gardien – Orleant Island 	1885 1885 1906-09 1885 1889 1910 1889 1889 1910 1885-94 1904	13 294 24 24 24 24 34 11	24 24 24 24 24	803	11	75	
	wire) Crane Island to Montmagny On Crane Island	1905-09 1905	10 3	5	ار 5 3] 5		
	Crane Island to Grosse Isle Crane Island-Goose Island Orleans Island Telephone System	1907 1912 1910	10	5	5 10 68	27	8,91	
	Kippewa Dam-Ville Marie Ville Marie-North Timiskaming	1910	335 45	}	78½	9	1,44	
······	St. Isidore Branch Charlesbourg-Lake Beauport-Stoneham Lake St. Charles—St. Gerard	1912 1913 1914	34 52 34		3h 52 1 341	1 8 4	6,23	
	Beauport-Laval	1909	15		15	7	,	
ntario	Learnington—Point Pelee. Learnington Dock—Pelee Island On Pelee Island	1889 · 1901 1889-00	12 	17‡	} 458	18	85:	

GOVERNMENT TELEGRAPH SERVICE -Continued

			LENG	TH OF I	INES	ź	
Location of Lines.	Points connected.		Land Lines.	Cables.	Total.	Number of Offices.	Messages . Sent.
	Brought forward		Miles Wire 3,3394	Kt's. 2533	3,593‡	400	100,809
Alberta	On Appelle-Ouinn Lake. Mone-park-Wood Monitain Wood Stomartin-Willow Bunch. Leville Loop Duck Lake-Indian Agency. Loydmineter Loop Duck Lake-Indian Agency. Loydmineter Loop Kannach Indian Agency. Kannach Indian Agency. Kannach Indian Agency. Kannach Indian Agency. Kannach Lachasa Metsi Lacep. Statistic-ford-Indias Lachasa Metsi Lacep. Statistic-ford-Indias Lachasa Marter Landing. Passe Niver. Dasa Niter Statistics. Statistic-ford-Indias. Statistic-ford-Indias. Mirror Landing. Passe Niver. Dasa Kiver David Statistics. Grand Parine City Loop. Grand Parine City Loop. Cales Statistics. Fort. Kiver. Shafebasy. Markasa Laci Lafebase. Markasa	$\begin{array}{c} 1910\\ 1912\\ 1802\\ 1902-109\\ 1904-09\\ 1906\\ 1906\\ 1906\\ 1907\\ 1907\\ 1907\\ 1912\\ 1912\\ 1912\\ 1912\\ 1912\\ 1918\\ 1883\\ 1983\\ 1990\\ 1910\\ 1911\\ 1912\\ 1914-15\\ 1911\\ 1914-15\\ 1914-15\\ 1911\\ 1914-15\\ 1914$	48 98 970 199 74 76 16 15 245 55 245 55 245 55 22 9 25 10 7		215 20 8	114246118321422132144116131112	29,731
Bratish Columbir	Artino common Long- Kamboya-Vermo-Pentiteton Kamboya-Vermon-Pentiteton Kamboya-Bernarika Yala-Kose Hui Kamboya-Barakay Kelowan Nelson Trail Prestor Schlar Centon Prestor Schlar Centon Prestor Schlar Centon Hele Creek-Poper Losi Creek Here Teck-Tenet Here Teck-Creek-Comford- Kamboya-Cosen-Lake Endely-Vermon Carried forward	1911 1914 15 1914 1914 1914 16 1912 1901 1916 1916 1916	14 215) 93 61 874 59 92 87 244 37 244 37 14 26	112 1 23 1 1	86 28 14 217 93 30 61		83,012

GOVERNMENT TELEGRAPH SERVICE-Concluded.

			LENG	TH OF J	LINES.	er of Offices		
Location of Points connected, Lines.		Year.	Land Lines.	Cables.	Total.	Number of Office	Messages Sent.	
			Miles Wire.	Kt's.				
	Brought forward British Columbia Lines-Concluded.		7,2281	2623	$7,490^{3}_{3}$	741	257,846	
Vancouver Island	Victoria-Banfield	1891	169		, 169	15		
	Alberni-Banfield	1899 1902	53 954		53 973	2		
	Alberni-Clayoquot Clayoquot-Nootka		903 623	12	943 743	8		
	Clayoquot Branch.		1	123		2		
	Toquart-Sechart	1907	73	2	ŝ	2		
	Tofino-Mosquito Harbour, Bear River	1911-14	55	34	587	4		
	Clayoquot Sound-Leonand Is. Light)						F.	
	Nanaimo-Comox-Campbell River Parksville-Alberni Branch	1893-08 1895	118		118 30	9		
	Comox-Cape Lazo Branch	1910	30		6	i		
	Union Bay-Denman and Hornby Islands		21	2	23	5		
	Nanaimo-Gabriola Island	1909	16	3	162	5	112,906	
	Campbell River-Powell River	1910	654	13%	791	11		
	Powell River-Vancouver	1913	108	12	120	21	1	
н .	Campbell River-Hardy Bay	1914	203	41				
	Vancouver-Squamish	1914	446	15		6		
	Salt Spring Island Line Sidney-Ganges Line	1902-14	88	23	951 234	23		
	Chemainus-Kuper-Thetis Islands	1912	21 Sł	4	235	5		
	Saanichton-James Island	1912	31		45	2		
	Sydney and Sydney Island	1910	3	3	6	2		
	Bamberton Works, Keatings Branch	1914		1	1	1		
Yukon	Ashcroft-Dawson and Boundary	1899 - 12	1,777		1,777	78)	
	Ashcroft-Quesnelle (local wire)	1878-87	215		215			
	Ashcroft—Lillooet Branch Lillooet—Pioneer Branch	1896 1912	67 66		67 66	12 15		
	Lillooet-Lytton Branch	1913	491		493	13		
	Ashcroft-Savonas Branch.	1914	40		40	12		
	150 Mile House-Quesnelle Forks	1902	89		89	õ	1	
н	150 Mile House-Bella Coola Branch		329		329	28	78.045	
	Quesnelle-Barkerville Branch		61		61	5	7 18,045	
	Hazelton-Prince Rupert Branch		218		218	, 22		
	Terrace-Stewart Branch	1910-11 1913-14	174		174			
	Hootalingua-Livingstone Creek, Y. T.	1010-14	123		123	13		
	Branch.	1907	70		70	2		
н	Ashcroft-Highland Valley		30		30	5		
			_					
	Total		11.7 f19	336	120471		448,797	

TELEGRAPH SYSTEMS OF THE DOMINION.

As a matter of general interest, pursuant to the statement submitted last year, the latest figures to hand showing the extent of telegraph lines in operation in the Dominion are as given hereunder.

	LENG	TH OF LI	NES IN M	ILES.	LENGTH	No. of			
Canada.	Aerial.	Under- ground.	Sub- marine.	Total.	Aerial.	Under- ground.	Sub- marine.	Total.	Offices
1917-1918									
Great North Western Tele- graph Co Canadian Pacific Telegraph	$10,064 \\ 14,617$	7 23	13 95	10,084 14,735	31,357 106,143	192 820	78 227	31,627 107,190	1,519
Government Telegraph service Grand Trunk Pacific Tele-	11,7113		336	12,0473	11,7113		336	12,0473	1,100
graph	5,279	1	1	5,279	19,525	18 25	2 19	19,545	279

REVENUE AND EXPENDITURE,

The revenue and expenditure for each of the Government lines in the several districts hereinbefore mentioned, are given in the following table :---

1917-1918.	Expenditure.	Revenue.
Lower St. Lawrence and Maritime Provinces-	8 cts	8 cts.
Anticosti lines.	9,267 02	1.521.99
Bay of Fundy	3,107 45	1.188 42
Cape Breton	37.252 19	5,855 76
Cape Ray (subsidy).	250 00	0,000 10
Escuminac .	2,168 78	869.96
Father Point (subsidy)	750 00	(110 00
He aux Coudres (aubsidy)	200.00	
Magdalen Islands	5,148 60	2,439 67
North Shore, east of Bersimis.	28,674 68	8,827 41
North Shore, west of Bersimis .	21, 193, 03	2.386.30
Orleans telephone	1.840 25	569 45
Orleans telephone	4,822 51	118 05
Quebec County Lines	5.244 56	1.279 11
Prince Edward Island and Mainland (subsidy)	13,893 32	thate It
Cable ship Tyrian Maintenance	57,236 75	
Generally-	01,600 10	
Gulf and Maritime Provinces .	2.741 16	
Timiskaming District -		
Telephone line	3.288 92	362 05
Ontario-		
Pelee Island telephone	1.574 42	169 85
Saskatchewan	59,195 38	8,441 55
Saskatchewan Alberta British Columbia-	78,037 55	18,761 95
Mainland	75.488 33	30.257 37
Vancouver Island	98,761 90	37.043 14
Yukon-		
Ashcroft—Dawson Telegraphic service generally	219,068 55	85,466 72
Telegraphic service generally	703 12	
Total	732,158 47	205,558 75

DEPARTMENTAL TELEPHONE SERVICE.

Up to date of this report (April 1, 1918) the telephone connections with the central office of the Bell Telephone Company at Ottawa, listed as chargeable to the special appropriation, numbered 1,270, the annual charge for which amounts to \$56,252.40. The connections are distributed amongst the several departments, as hereunder.

	No. or T	ELEPHONES.		
Department.		1	Total.	Cost
a charant na	Offices.	Residences,	rottin	per Annum.
				8 cts.
Agriculture	41	12	53	2,755 00
Auditor General.	14	2	16	771 00
Canada Food Board P. B. X	32		32	1,554 00
Census Civil Service Commission	1		1 9	80 00
Clerk of Crown in Chancery	1	4	9	427 (0 85 00
Conservation Commission	5	1	6	375 00
Customs	25	4	29	1,217 00
Dominion Archives	2	2	4	195 00
Dominion Police	16 2	õ 1	21	850 00 145 00
External Affairs	12	3	15	698 00
Finance	3	6	9	370 00
• P.B.X	31		31	1,650 00
Fuel Controller	2	· · · · · · · ·	2	95 00
House of Commons Immigration and Colon'n	16 10	1	17	685 00 570 00
Indian Affairs	13	2	15	591 00
Inland Revenue	15	4	19	793 00
Interior	116	10	126	5,584 00
Justice	39	15	54	2,249 50
Labour. Library of Parliament	5	4 2	9 5	445 00 185 00
Marine	20	7	27	1,160 00
Militia and Defence.	18	15	33	1,622 00
" " P. B. X	234		234	9,568 50
Military Hospital Commission Military Ser. Council P. B. X		1	1 12	$ 40 00 \\ 1 107 40 $
Mines Department	12 22	···· i)	23	1 '017 00
" " P. B. X	36		. 36	1,349 00
Mounted Police	4	3	7	280 00
Naval Service	25	7	32	1,366 00
Northwest Territories	1	1	1	35 00 80 00
Post Office	42		51	2,092,00
Printing and Stationery	20	11	31	1,283 00
P.B.X	49		49	1,143 00
Privy Council	12 68	4 24	16 92	702 00 4,106 00
Railways and Canals	25	13	38	1,717 00
Ridean Hall.	5	6	11	460 00
" Private Line				123 00
" P. B. X Secretary of State	18		18	1,146 00
Secretary of State	14	5	19 19	856 00 812 00
Supreme Court	13	9	2	80 00
Trade and Commerce.	13	4	17	750 00
War Purchasing Commission, Private Branch Exchange	9		9	988-00
	1,073	197	1,270	56,252 40
	1,015	134	1,270	00,202 40

CAPE BRETON LINES.

The various lines have worked satisfactorily and with little interruption throughout the year. There has been no additional mileage and no changes in staff. Amounts for repoling and general repairs were voted as follows:

North River Bridge loop	1
Marion Bridge-Sydney	\$1,400
Louisburg-Main-à-Dieu	
Big Bras d'Or-Upper Kempt Head	í
Leitches Creek-Sydney	\$1,600
McCormicks-Brook Village	1
aud Whycocomagh	\$1,600
Gilliesville-South Side	ĺ
East Bay	1
Eskasoni-Grand Narrows	1
Grand Narrows-Shenacadie	
Big Bras d'Or-Englishtown	\$3,400
Louisburg-Gabarus	
Gabarus-Marion Bridge	1
Gabarus-Enon	J

The work was carried on under the supervision of the general repairers of the respective sections. The revenue shows an increase of \$1,218 over that of last year.

BAY OF FUNDY.

All land lines have been free from interruptions during the year, except a section of the lines at Grand Harbour consisting of six poles which went down during a gale on October 30-31, but the poles were reset without delay, and there has been no further interruptions on this Flages Cove-Seal Cove telegraph line throughout the year.

On August 11th, cables number two and one, Whale Cove-Meadow Brock, and Longs Eddy-Herring Cove, developed leaks. The Tyrian arrived September sth and found a bad leak at Dunns Beach, Campobello, on cable No. 1 in a splice undermeth the cable hat. Mr. McDonald also took out a bad leak in cable No. 2 at Whale Cove at high water mark where the armour had been erushed, the cove was expssed through a split in the rubber insulation, this cable would work with the telephones, but oult for a few minutes using Morse, the reason I believe, was on account of the electrolytic action caused by the fisherment throwing pickle on the beach where the cable runs by a fish-house door, when the telegraph current was put on caused the copper to corrode and throw a short.

All lines worked well up to December 15th, when interruptions occurred on Three-Sister Island-Gannet Lock, and Duck Island-Natucket endbes both being bewken, the former about three quarter mile from Gannet, and the latter mid-way between the islands. The Tyrian completed repairs on Gannet Rock Isla March and Duck Island on 27 March. White Head-Cheneys Island cable reported interrupted on the 21st March, was also repaired at this time.

Cable No. 1 Longs Eddy-Herring Cove was reported heavily grounded on January 21st was restored to working order by Mr. McDonald who found a ground in the cable but at Herring Cove.

The Turian left here on March 27th and all cable lines are working good.

The Seal Cove-South Head, and Big Wood Island hand lines will need some attention in the way of insulators; and one or two joles which are badly decayed will need to be replaced in the course of the summer.

All lines and cables in this district are working well at the present time.

MAGDALEN ISLANDS.

The mileage is the same as last year; no new offices have been added except a few private connects at Father Turbide. Mr. Arseneau (agent for the Gorden Pew fisheries) was put at Messrs, Wm. Leslie and Co. who bought Mr. Ballautyne's thelphone set. Messrs, Leslie has the connection at my office and Mr. Ballautyne's line formerly connected here is presently unccupied but demand for the use of this line has been granted Mr. F. W. Leslie who will soon have a connection al so to my office. Another private attachment was also made at Mr. Brasset sub-agent for La Banque Nationale.

Ment Coye cable was interrupted October 11, but was repaired by the S.S. Tyrian October 27, Again December 7, the Meat Cove cable was interrupted and has remained so. The wireless telegraph is handling the traffic but useless to say that a cable to the mainland principally to Prince Edward Island would be more advantageous.

The Brion island cable has been working well all the year round. It is indeed a great thing for the fishermen to have this telephone connection in good condition, this island being one of our greatest fishing ground.

The Entry island line has been in great working condition except for a month when a gale of wind with thunder and lightning caused trouble which has been impossible to locate yet. The general repairer and lineanen are doing everything to clear up the situation and it is expected good communications will soon be established.

Notwithstanding war conditions the traffic is increasing, we have double the business we had when war started that is to say the revenue is twice larger.

There is now a large demand for connections to the mainline, these additional connections must of course add a surplus of work besides every new connection crowds the present system which is already overtaxed and unless a central is established with a bigger staff with better wages given, any further connection of any kind must absolutely be limited if any sort of public satisfaction can be expected.

ANTICOSTI ISLANDS.

No additional mileage since last report; Fox Bay Station still closed during winter months, but in connection by telephone with Heath Point office during the fishing season; from thence, business is transmitted on telegraph line.

Last season, as per agreement with the Department, arrangements were made to build four new camps along the island for the use of repairers, which camps are of the utmost urgency; owing to inability to get suitable boards down here, we were unable to have these camps built. It hope the department will be able to forward, this season, to South Point (being central place where camps have to be erected) the boards, so as to enable us to rece these camps.

Temporary repairs were made to old camps so as to shelter repairers during last winter. However, windows, doors, sashes and frames were made ready and as soon as the boards are landed at South Point, carpenters will be sent down to build these camps.

Stormy weather has again played havec with our telegraph poles. A few have been washed to see and a good number fell on the beach. I am pleased to say that our land line has been the whole year round in good working order with the exception of an interruption between IIcath Point and South Point stations which lasted from October 23rd to November 13th.

The Gaspe.—South West Point cable, I am glad to say, is working very well ever since repaired by the staff of cable-ship ss." Tyrian" in May, 1913.

The North Shore cable became again interrupted on October 15th, 1917, and is still out of working order. The cable-ship "Tyrian" was over last fall, but owing to

rough weather and lateness in the season, she was compelled to go back without a chance to repair it.

The number of telegraph stations is the same as reported in my last report, viz.: eight in number. All the members of the staff are the same.

NORTH SHORE ST. LAWRENCE LINES,

East of Bersimis.

The line worked continuously, the interruptions being few and of short duration and local character.

No change of importance has been made in the agencies during the year, Miss Mary Chevalier of Bonne Espérance died in January 1917 and was replaced by Miss Hella Chevalier.

The accommodation office at Shelter Bay, 9 miles east of May Islands was temporarily closed on May 10th (1917) and accommodation office at Manitou 3 miles west of Rivière aux Graines has been reconced on October 21st 1917.

A new telephone line was built at Natashquen in the month of September, 1917, to establish communication between the two villages there, a distance of five miles. In October 1917, at Aguanus one mile and a quarter of telephone line was creeted on the estisting poles, to accommodate the people residing on the west side of the river.

West of Bersimis.

General repairs were carried on throughout this division, the various lines working satisfactorily. No additional mileage and no change in staff. The revenue shows a slight increase over last year.

QUEBED COUNTY LINES.

The revenue shows an increase of 40 per cent over the previous year. The lines worked satisfactorily and were maintained in good repair.

QUARANTINE LINES.

As in previous years, many of our cables were broken by ice and other causes.

The Crane Island-Montinagny cable raised on November 15, 1916, was relaid on May 11, 1917, and worked well throughout the season.

Under special instructions we proceeded to raise this cable on November 26, 1917, which we were unable to do owing to weather conditions and after much battling with the ice succeeded in reaching the St. François wharf with the bateaux and tag where they remained for the winter. On November 17, the cable was carried away by a gas how drifting with the ice.

The Grosse Isle-Ste. Margaret island cable broken in December, 1916, was repaired in May, 1917. The He aux Réaux-Grosse Isle cable was interrupted on December 22, 1916, and being badly damaged throughout its length we recled it up and repaired it as well as possible and relaid it on May 19.

The St. François-Ile aux Réaux cable was interrupted on December 22, 1916, was repaired in May, 300 feet of new cable having been added.

One of the Ange Gardien telephone cables was interrupted on January 5, 1917, and repaired in May, 150 feet of new calleb leing added near Ange Gardien. On November 18, the extension of the telephone line from Orleans Island to Grosse Isle was commenced, two space cables north and south of Ite anx Réaux and a second wire strung on the Réaux pole line completing the circuit to Grosse Isle where connection was made with the Crane Island cable.

GOVERNMENT TELEGRAPH LINES

SESSIONAL PAPER No. 19

In July and August, 75 new cedar poles were planted on the Stc. Famille section and east of the St. Jcan office to replace those broken by sleet storm in March.

During the month of April, the military line was extended from Maheux Bay to St. Laurent wharf, this line being under the control of the Naval Department.

On June 1st, the Agency at Ste. Famille was transferred to Mr. Joseph Premont from Mr. Nap. Pichette who resigned.

PELEE ISLAND.

Ist. Re-Cable: When repairing in June 1917, we found the cable damaged, but not parted, by ice shoves about six to eight miles off the mainland shore, where the water is about fifty feet deep. After being repaired it worked well until damaged by vessels on October 24, repair of such damage being completed November 12; it again worked all right until December 9, when it eased working during a terrific storm when some vessels are supposed to have caught it in their anchors and broken it. By instructions from the Department, I am preparing to repair it as soon as ice and weather permit.

2nd. Re-Point Pelee branch: The Mersea Municipal Telephone system had this branch connected with their system through the Bell Telephone Coy's wires at Leamington during the mouth of December 1917.

NORTH WEST LINES, SASKATCHEWAN.

There has been a noticeable improvement over previous years in the proper maintenance of the lines, partly due to the keen interest shown by all agents and most of the linemen, as well as to the C.P.R. Dynamo at Saskatoon, which proved most beneficial in attaining this gratifying result.

A few interruptions occurred on the Saskatoon loop, but less frequently and of shorter duration than formerly.

On the Moose Jaw-Wood Mountain line, interruptions were frequent during the month of March, business has been very satisfactory on the whole, especially in view of existing conditions.

Shifting line to roadscap.—The sum of \$5,000 was appropriated for the purpose of shifting the line to road allowances, of which \$2,662.88 was expended in removing about 15 miles in the vicinity of Eagle Creck. This work had to be done in the latter part of November when the snow was on the ground, and this accounts for the expenditure being somewhat higher than it otherwise would have been.

Repairs and improvements.—Considerable repairs and improvements to buildings have been made at several points, and out of an appropriation of \$2,400 for the purpose, \$1,984 was spent as follows:—

Green Lake \$100; Onion Lake \$300; (dias)rn \$140.22; Willow Bunch \$87.75, and Battleford \$1.47. Of this latter amount, \$797 was used for the construction of an office for the District Superintendent, and the balance in painting the whole of the buildings on the premises.

Wood Mountain line—re-poling.—An appropriation of \$5,000 was made for the purpose of re-poling the Wood Mountain—Willow Bunch line, of which \$4,681.65 was expended. This amount was only sufficient to purchase the poles and to have same hauled to the ground. A further sum will be required to complete the work.

Battleford-Isle-la-Crosse completion.-The sum of \$811.71 was expended out of an appropriation of \$1,600 to complete the line into the village.

All the high poles were erected and everything else put in readiness; there remains now only the stringing of the wire across the rivers. Owing to the wire, insulators and brackets reaching destination too late to catch the last freighters for the North, it was found necessary to postpone the final work until the rivers open up.

Saskaton loop.—The construction of the Saskatoon loop was found to be impractivale on account of the lateness of the season when the money for this purpose became writable.

ALBERTA.

No additional mileage.

The usual general repairs were performed and the various lines gave efficient service.

BRITISH COLUMBIA.

Mainland.

Dusiness has been very satisfactory, although not showing quite as large an increase as last year. There were '30,10 messages sent and 50,56 messages received, with total revenue \$30,270,33. This is gratifying, considering that during the year we have closed up twelve telephone offlees between Enderby and Vernon and Vernon and Penticton in the Okanagan valley, as per agreement with the Okanagan Telephone Company in April 1917.

Thirty-one miles of now lines were built during the year. There still remains fourteen miles of poles to be set on the Λ rrow lakes, the poles having been purchased and delivered during the year 1917-18. On account of the appropriation not being available until October, the whole of this work could not be earried out, as the winter weather in that section sets in early and the work had to close down in December.

There is fourteen miles of wire yet to be strung in on the Waneta-Pend D'Oreille ling, the wire not being available last fall. This work will be completed just as soon as the wire arrives, and the balance of the appropriation is available.

Thirty-three miles of line was repoled, fifty-two miles of pole line reset.

KAMLOOPS TO KAMLOOPS SECTION-464 MILES.

(Via Nicola-Penticton and Vernon.)

The line from Kamloops to Merrit, 01 miles, is in good shape and has caused very little trouble during the year, as it was all reset in 1916-17, and well guyed. At Merritt and Nicola exchange, repairs and improvements were made to meet the services at these points. The section from Merritt to Princeton security-six miles was to have leem rebuilt right through, but on account of the latences of the season before the appopriations were available it was only repoled from Princeton to Otter Valley uncreas miles. The balance of this section will be required to he rebuilt this year as the pole line is in very had hape. The old poles having been reset twice already and only were twenty five foot in the first place, are now too short to use again. At Princetom in the local sectual event is more serial improvements and extensions were much to meet the domain for local service. At Copper Mountain, fourteen miles south of Princeton, a local exchange was established during the year with securities rankets has heven very astirafectory at both Princeton and Copper Mountain.

The section between Princeton and Penticton is in splendid shape, having been rebuilt in 1916-17.

At Keremeos an extension was built during the year to Similkameen, ten miles, and local improvements and extension on the Keremeos local exchange.

The section from Vermon to Kelowan has been thoroughly overhauled, during the surr, all poles that were it were reset and new poles supplied where necessary. The spur, three miles to Okanagan Landing and the spur two miles to Okanagan Centre, Jud the branch line three miles to Okanagan Mission were taken down and the poles

used in the rebuilding of the main line. The commission offices at these three points were closed as the Okanagan Telephone Company are now able to give them all the service required and connection is now made at Vernon to these points from the Government system.

KAMLOOPS-MOUNT OLIE SECTION.

(North Thompson-86 miles.)

Dusiness has been very good from the offices on this section. In the month of September, a setzer storm struck a portion of the line near Louis Creek and took down three miles of pole line. Repairs were promptly made and outside of this trouble only the ordinary repairs were necessary. Next year the upper portion of this line between the Barriere and Chu Chua will require overhauling and poles reset.

HEFFLY CREEK-UPPER LOUIS CREEK SECTION-37 MILES.

During the year, the line was extended to Sullivan Valley (a spur six miles) and also to Dominion Forestry Cabin. Several more offices were opened during the year. The only trouble we had over this section was by windfalls, the line running through timber for a considerable distance.

KAMLOOPS TO SAVONA SECTION-28 MILES.

As this section runs through open country most of the way very little trouble has been experienced during the year, and the line has been working very satisfactorily. Connection is made at Cornwalls with the Dominion Forestry Branch line to Green Mountain.

KAMLOOPS-GOOSE LAKE SECTION-14 MILES.

Important connection is made at Goose Lake office with the Dominion Forestry Branch line to Fish Lake at which point we have opened an office. This line is in very good shape as it was only built in 1916. The settlers south of Goose Lake are very axious to have the bine extended to Long Lake District. An appropriation has been asked for to have the work carried out this year if possible.

KAMLOOPS-ROSE HILL SECTION-14 MILES. .

All the poles on this line were reset this past year, the line well guyed, and put in good shape.

KANLOOPS-REVELSTOKE SECTION-218 MILES (via Chase, Salmon Arm and Sicamous).

This section is one of the most difficult to keep up that we have on our system. After it layers Chase it follows a trail on the northiside of Shuswap Lake to Celista, then crosses the lake by submarine cable to Sorrento. After the line leares Enderby there is very little of this section that there is a wargon road to follow. There has been quite a number of snow-slides to contend with between Taft and Revelstoke, but in face of these difficulties there has not been very many bad interruptions and, what there were, were of short duration. To enable us to give a first class service between Kamloops and Revelstoke it will be necessary to extend the metallic circuit from Malakwa to Sicamous to overcome the heavy telegraph induction we get on our single grounded line from the C.P. Telegraph circuits. We were able last year to metallic

it from Revelstoke to Mahakwa, which made a great improvement, and we hope we will be able to extend it through to Sicamous this year. Last fall, the section along the east side of Mara Lake was poled with thirty foot cedar poles and the wire was transferred from the trees, where it was placed when the line was built through in 1915, as, at that time, there was no road but it has since been built.

WHITEMANS CREEK SECTION-30 MILES.

This branch line which is situated on the west side of the Okanagan Lake is connected to the main system at Kclowan. This line has proven to be a great convenience to the fruit growers and shippers on that side of the lake, as they have to depend entirely on boat service for their mail.

PENTICTON-MIDWAY SECTION-93 MILES-(via Osoyoos).

This section of the line runs south from Pentieton to Osyoos at the boundary line, where connection is made with the P.T. & T. lines throughout the State of Washington. At Midway we connect to the B.C. Telephone Co's lines through to the Kootenay. There has been a marked improvement in business from the offices on this line during the year.

MERRITT-MAMETTE LAKE SECTION-37 MILES.

This extension which includes Canford Spur was built through from Merrit as far as Steffens ranch in 1916-17. The construction was completed to Mamette Lake P,O, this past year. Three more offices were opened. This line serves a very important district and brings the settlers in direct touch with Merritt and other important points on our system.

NELSON-TRAIL SECTION-61 MILES.

This line is a very important bounds south of Nelson running through a timber and mining district, as far as Trail and serves a very useful purpose linking up the several intermediate offices with the B.C. Telephone Co., system at these two points. Very satisfactory business was received during the year. An extension from Waneta, I miles, east up the Pend D'Oreille Valley was constructed last fall, but as the wire has not yet arrived, no new offices have yet been opened. As soon as completed there will be five additional offices, therefore, a considerable increase in receiven expected.

PROCTER CRESTON Y WIK SECTION 90 MILES.

During the year, this line was completed right through to Yahk where connection as made with the Kootenay Telephone Co, linking up the Nelson and the Crambrook districts. Five new offices were opened. The whole line right through from Proter to Yahk is in good shape and a very fair revenue received, considering the spursely settled district along the Kootenay Lake between Protect and Creston.

THE ARROW LAKES SECTION-85 MILES.

The line extends along the Arrow Lakes from Nukuep to Edgewood built in 1913 and from Castlegar to Deer Park built in 1916-17. The line was also completed through from Deer Park to Renau hast June and offices opened at these points.

Last fall, construction work was commenced on the intervening link between Edgewood and Renata twenty-nine miles, but only fifteen miles of pole line was completed, as the work could not be undertaken antil late in October, the appropriation not being available. The balance of the line will be completed this year and will link up two important sections of our system and will give Nakusp and all intermediate offices connection direct through to Nelson and district. The telephone is a very important willing in a district such as the Arrow Lake, where they have to depend on steam hoat service, and where the lakes often freeze up for several weeks during the winter months, but for the telephone service the people would be isolated entirely.

GOLDEN-WINDERMERE.

New telephone and telegraph rates were established last June throughout the districts which have been adopted by the Department. The telephone rates are based on air line mileage and a minimum of a three minute conversation with a minimum of 20 cents call, and 5 cents each extra minute for a distance up to twenty-four miles; for twenty-five miles 20 cents, and for every seven miles over twenty-five miles add 5 cents up to fifty miles; over fifty miles add 5 cents for every ten miles. This makes a very fair rate and is the same rate as adopted by the Okanagam Telephone Co., so that there is not a confliction of rates between the two companies between which there is considerable transfer of business.

VANCOUVER ISLAND.

The revenue shows an increase of 30 per cent over the previous year. No additional lines were constructed.

YUKON.

The work on this system was confined to the usual overhauling by the general repairers. No additional mileage.

Cable Ship "Tyrian," Operations 1917-18.

On April 1, 1917, had 5-50 knots deep-sea second-hand, and 7-50 knots new deepsea cable on hand. Laid as follows during season in knots: April 2, Whitehand Island, 0-06; April 9, Herring Bay, 0-28; April 16, Duck Island, Nantucket, 1.11; August 18, Port Hood, 0.17; August 30, Harrington, 2-89; September 13, Whale Cove-Meadowbrock, 0-10; October 27, Meat Cove-Old Harry, 0-06; November 13, Lang Point, 1-21; February 28, 1918, Gamaet Rock, 0-20; March 14, Eastport-Owen-Houd, 0-46; March 21, Johnston's Cove-Deer Island, 0-55; March 30, Seal Island, 0-64; March 31, Coffin Island, 0-41. Cable on hand, 5-34.

Shore End Cable.—April 1, on hand, 1-38; October 27, laid Meat Cove S.E., 0.05; March 16, picked up Eastport-Owens Hend, 0-13; March 27, laid Lubee channel, 0-13, April 1, cable on hand, 1-33. Four-core cable on hand, 1-19. Two-core cable on hand, 1-60.

COLLECTION OF REVENUE.

By E. T. SMITH, COLLECTOR OF PUBLIC WORKS REVENUE.

For the fiscal year ended March 31, 1918, the large deficit in public works revenues dealt with by this office calls for an explanation. The revenue accrued from slides and booms was \$40,122.87 less than for the previous year. In the year 1916-17, the revenue was \$80,150.45 from the St. Maurice works. On the 18th February, 1917, these works were leased to the St. Maurice River Boom and Driving Association of Three Rivers for \$1 per annum. They were to operate and maintain the works, collect the tolls established by Order in Council, and pay over to the Government any surplus of revenue over the expenditures mentioned. At the close of their financial year, their accounts showed that there was due the Government \$30,910.33 for the year 1917-18, leaving, apparently, \$49,240.12 of a deficit, but it must be borne in mind that the \$30,910.33 was not revenue after expense of maintenance, etc., had been paid, while in former years we only showed gross collections, and no deduction for cost of operation. The company, however, contests our claim for this \$30,910,33 on the ground that they have constructed certain works for which they should be allowed \$20,073.25. It is a condition of the lease that any extensions or improvements made by the company were first to receive the approval of the Honourable the Minister of Public Works, and the cause of the dispute lies in this condition because the works for which they claim to be allowed credit to the above amount of \$20,073.25, were constructed by the company. although notified that the cost of the same should not be deducted from the tolls they were to collect. It may be only proper to state here that in 1916-17 we had a surplus of \$25,189,26 and in the previous year also a surplus of \$19,812,10, and the larger surplus of 1917-18 was principally due to the small amount required for repairs owing to the good condition of the works.

On the whole, excepting in the St. Maurice district, where the bulk of the wood is used for pulp and paper, it in not surprising that revenue from sildes and booms should be smaller than it really has been for the hast two years when we consider how diffient it was to obtain man labour for production in the woods and driving the streams. Private boom companies have been obliged to increase their rates very greatly in order to make ends meet. We are, unfortunately, not in the same position as our rates of tolls are fixed, and as it has not been the practice to display in this report the actual cost of operation as well as of revenue where works have in previous years yielded large profits, these would not be taken into account when considering the losses consequent upon war conditions which have prevailed during the past four years. Many large concerns have gone entirely out of husiness for the time being because they could not get satisfactory labour even at the high rates of wages and the high east of subsistence which have prevailed during the past.

In the matter of reads and sales accurated during the year, there was a deficit of 8018558.92, the collections showed an increase of 8114568.92, their meranes was also to considerable large sums received in final settlement for properties expropriated in Ottawa. The decrease in the amount accurate is principally due to the properties which formerly yielded considerable revenue having been taken over for Government anse, and partially to the fact that in the previous year there was quite a large sum which earned account in the final settlement for many of these expreprinted properties.

The following is a brief summary of the revenue dealt with by this office :---

During the year 1917-18, the revenue accrued from public works shows a decrease of \$103,416.01, being \$155,900.10, while in the preceding year it was \$292,316.11. The collections also show a decrease of \$67,912.39, being \$158,877.18, while in 1916-17 they amounted to \$256,759.57.

The revenue accrued from slides and booms was \$57,073,14. or \$40,122.87 less than for the year ended March 31, 1917. The collections were \$26,187,92, or 870,954,24 less than for the previous year. The outstanding uncollected revenue from slides and booms is \$90,855.22 greater than in 1016-17.

The graving docks yielded \$56,484.16, or \$1,565.78 more than in 1916-17.

Sales and rents collected amounted to \$106,205.10, being \$11.476.07 more than in the preceding year.

I now submit the particulars in detail, relative to the several services under their respective heads.

SLIDES AND BOOMS.

OTTAWA DISTRICT.

The tolls charged up amounted to \$25,877.65, or \$9,826.68 more than in 1916-17. The number of sawlogs that passed through the works was 3,575,739, or 1,059,864 pieces more than the previous year. Of square timber there was none.

All the revenue accrued during the year was collected. Of the dues accrued since July 1, 1889, when this department took over the collection, there remains uncollected \$9,161.61. Of the dues accrued before July, 1889, there still remains \$56,805.65, all of which should be written off.

The accounts for the Ottawa district stand thus :--

Dues accrue Outstanding.	d during March 3	the 3 1, 191	rear 17	to 	M:	are	h 3	1.	19	18					\$25,877 9,200	
Collected															\$35,078 25,916	
Balance out	standing,	Marc	h 31	L, 1	1918		• •								\$9,161	61
Being compo	sed of- 1889-90,											86	903	05		
"	1890-91.												28			
	1892-93.												379	80		
**	1896-97.												196	71		
	1903-04.												637	37		
	1911-12.												723	63		
	1912-13.												251	15		
	1913-14.												25	31		
"	1914-15												16	17		
												\$9,	161	61		

Balance of dues outstanding prior to July 1, 1889, when this department took over the collection was \$56,805.65.

Herewith are statements in detail.

No. 1.—Statement of the number of pieces of square timber, sawlogs, etc., which passed through the Ottawa works during the year ended March 31, 1918.

No. 2.--Statement of dues accrued from each of the slides and works of the Ottawa district during the year ended March 31, 1918.

Apart from the two accounts amounting to \$1,044.6\$, all the revenue from the Ottawa slides and booms, since I took charge in 1850, has been collected, excepting such as should have been written off long ago, or a few items in dispute which I expect will have to be forgiven.

The number of sawlogs which passed through the works during the past year was 1,059,364 more than during the previous season, and there were 8,862,32 cords of pulp-wood less than in 1916-17.

ST. MAURICE DISTRICT.

The revenue accrued from this district was 830,910.33, being 840,240.12 less than in 1916-17. The apparent discrepancy between the decrease in revenue and the large quantity of logs passed through the works is explained at the beginning of this report. With the excyption of an item of 83,700.02 dues of 1900-10, disputed, all the dues accrued in this district since I took it in 1892 have been collected until this year when the above 80,910.33 is also disputed.

The amount outstanding prior to July 1, 1892, remains unchanged, viz., \$14,481.49, and should be written off.

The number of pieces of all kinds of timber that passed through the works was equivalent to 10.658,533 pulp and sawlogs, or 186,542 pieces less than the previous year.

NEWCASTLE DISTRICT.

The dues accrued from this district amounted to \$5.74, being \$489.35 less than the previous year, which has been collected at this date.

The totals outstanding on March 31, 1918, amounted to \$3,565.63, of which \$3,521.19 should be written off in accordance with a judgment of the Exchequer Court. \$35.70 will also have to be forgiven, the debtor being hopelessly insolvent at the time of his decease.

SAGUENAY DISTRICT.

The dues accrued during the year ended March 31, last, amounted to \$276.42, all paid but \$20, being \$220.08 less than in 1916-17.

GRAVING DOCKS.

ESQUIMALT GRAVING DOCK.

The revenue from this service was \$15,541.65, being \$1,930.43 less than the previous year (see statement No. 3). Of the 100 days the dock was occupied during the year, it was used for 27 days by H. M. and C. G. vessels.

The total number of vessels docked was 19, of 52,550 tons.

LEVIS GRAVING DOCK.

The revenue was \$3,013.04 more than for the year 1916-17, being \$29,228.15 (see statement No. 4). During the season of navigation, the dock was accupied for 180 days by 20 vessels of 41,665 tons.

During the winter of 1917-18, it was occupied by ss. John S. Thom and Dredge Fruhling.

KINGSTON GRAVING DOCK.

On May 1, 1910, the Kingston Shipbuilding Co. took possession of this doek under lease, the rental of which, 810000 per annum, was payable at the cud of each year. One of the conditions of the lease was that they should erect and keep in running order a repair plant, but this business, they claim, did not come up to expectations. On the contrary, it resulted in serious losses, and rent was reduced to 85,000 per annum from the 1st May, 1917.

SELKIRK REPAIR PLANT.

During the last fiscal year, the revenue was \$1,714.36, being \$533.17 more than the previous year. The slip was occupied for $67\frac{1}{2}$ days of the season of navigation by 40 vessels of 4,750 tons (see statement No. 5).

RENTS.

Balances from previous years Accrued, year ended March 31, 1318	\$ 69,159 20 75,342 80
Making	\$144,502 00
Collected	\$106,205 10 18,954 89 19,342 01
	\$144,502 00

The amount written off, namely, \$19,342.01, is composed of commission on collection, cost of maintenance, allowed in lieu of repairs, or cancelled on account of poverty, as well as a number of items which have been on the books for years, some of them dating back to 1880, the parties owing the same have disappeared through death and otherwise and leaving no tangible assets.

The amount apparently uncollected, \$18,954.59, seems to be large, but \$10,600.62 of this is composed of two old items, one for Dunnville Bridge, Ont., and the other the Dundas and Waterloo road, which business came to this department from the Jaland Revenue Department in 1969. These items will be carefully looked into and possibly before the end of the current year some decision may be arrived at in regard to them. As for the balance, \$3,534,27, much of this has been paid or settled since the elses of the last financial year.

In the administration of these properties there are serious obstacles to obtaining as favourable results, reatals, etc., as compared with the same property in the hands of private individuals. The latter can make terms, periods of leases, etc., as they see fit, but we cannot give any assurance in most cases for more than a thirty-dry-term, as we do not know when some of these properties may be required for Government purposes. Hence, we cannot expect to obtain as good rentals as parties who can give a lease for one or more years, and 1 may say here that this condition makes it difficult for our agents to retain the tenants we may have. The four agents who hook after the Wellington street property have done their work well, and I do not anticipate much loss of rent, exceept perhaps from manyoidable minfortune to some of our tenants.

The following is a summary of rents collected from public properties during the year ended March 31, 1918, viz.:--

Hydraulic and other rents	\$ 3,554	50
Ottawa, Sussex street	2,161	0.0
" Egan Block	199	92
" Wellington street, north.	72.578	13
Toronto Post Office site	7.186	83
Province of Manitoba	441	0.0
Victoria and Vancouver, B.C.	1.537	50
Public Building sites.	5.647	63
Sundry places	2.021	0.9
Sales and interest.	2.382	
Sand dredging.	8,495	0.0
	\$106,205	10

19 - 6

COMPARATIVE Table of Public Works Revenue accrued during the year ended March 31, 1015, compared with that of the Fiscal Year ended March 31, 1917, and amounts collected on account of same.

territoria da la construcción de la				
	Year ended March 31, 1918	Year ended March 31, 1917.	Increase, 1918.	Decrease, 1918.
Slides and Booms Ottawa district	8 cts. 25,877 65 30,910 33 8 74 276 42	\$ cts. 16,050 97 80,150 45 498 09 496 50	\$ cts 9,826 68	\$ cts. 49,240 12 489 35 220 08
Net decrease, \$40,122 87	57,073 14	97,196 01	9,826-68	49,949 55
Graving Docks – Esquinalt, B.C. Kingston, Ont. Lervis, P.Q. Selkirk repair slip, Man. Haileybury slip, Ont.	29,228 15 1.714 36	$\begin{array}{c} 17,472&08\\10,000&00\\26,215&11\\1,181&19\\50&00\end{array}$	3,013 04 533 17	1,930 43
Net increase, \$1,565.78	56,484 16	54,918 68	3,546 21	1,980 43
Rents and Sales- Hydraulic rents Minor public works Other public properties	3,487 00 26 00 71,829 80	$3,487 \ 00$ $26 \ 00$ $136,688 \ 72$		64,858 92
Net decrease, \$64,858-92	75,342 80	140,201 72		64,858 92
Actrued	57,073 14 56,484 16 75,342 80	97, 196 01 54, 918 38 140, 201 72	1,565 78	46,122 87 64,858 92
Net decrease, \$103,416.01	188,900-10	292,316 11	1,565 78	104,981 79
Collected – Slide and boom dues Graving docks	26,187 92 56,484 16 106,205 10	97,142 16 64,918 38 94,729 03	11,476 07	70,954 24 8,434 22
Net decrease, \$67,912.39	188,877 18	256,789-57	11,476 07	79,388-46

No. 1.—STATEMENT of the number of pieces of square timber, saw-logs, etc., that passed through the Government slides and works on the Ottawa river and its tributaries during the fiscal year ended March 31, 1915.

Square timber			Pieces. None.
Saw-loga			3,575,739
Boom and dimension timber			20,952
Railway ties			30,906
Fence posts			11.142
Telephone poles			2,018
			3,640,757

Also 26,462.4 cords pulpwood. The revenue accrued on the above was \$25,877,65.

No. 2.—STATEMENT showing the dues accrued on the undermentioned works on the Ottawa river and its tributaries during the fiscal year ended March 31, 1918.

Main Ottawa	\$ 1,806 93
Cheneaux boom	2,877 81
River Petewawa	3,863 36
Coulange	3,678 38
Dumoine	252 32
Black river	6.722 18
Gatineau	6,676 67
-	\$25,877 65

THE DRY DOCK AT ESQUIMALT, B.C.

No. 3.-STATEMENT of Dues and other charges collected during the year ended March 31, 1918.

Name of Vessel Docked.	Tonnage.	Period of Dockage. From To	Dockage Charges.	Other Charges	Total.
D. C. S. "Lillest" S. T. Dansen, Charlotte S. "Prince Rupert" U.G.S. "Malogone" D.G.S. "Malogone" D.G.S. "Malogone" M.C.S. "Kainboo" S. "Princes Charlotte S. "Princes Charlotte S. "Princes Charlotte" S. "Princes	574 3651 3844 3379 332 4800 303 303 303 303 3844 5729 3844 5729 3844 3844 3844 3844 3030 382 382 382 3844 4714 52,550	1917. 1917. April 2. April 4. 1907. a 22. a 23. June 13. July 16. July 29. 23. June 13. July 16. July 29. 24. 5. June 13. 5. J	$\begin{array}{c} 8 & {\rm cts.} \\ 300 & 00 \\ 568 & 20 \\ 359 & 10 \\ 450 & 00 \\ 1,250 & 00 \\ 355 & 00 \\ 355 & 00 \\ 886 & 65 \\ 392 & 20 \\ 2,025 & 00 \\ 200 & 90 \\ 200 & 90 \\ 200 & 00 \\ 500 & 00 \\ 500 & 00 \\ 500 & 00 \\ 500 & 00 \\ 500 & 00 \\ 550 & 00 \\ 550 & 00 \\ 15,026 & 05 \\ 15,026 & 05 \\ \end{array}$	\$ cts. 4 80 12 00 224 80 9 00 38 20 19 20 19 20 12 60 119 40 25 20 1 20 6 00 3 00 13 20 13 20 8 40 515 60	$\begin{array}{c} 8 & {\rm cts.} \\ 304 & 80 \\ 577 & 10 \\ 392 & 20 \\ 5,850 & 80 \\ 459 & 00 \\ 1,254 & 20 \\ 549 & 205 \\ 494 & 80 \\ 2,144 & 40 \\ 205 & 20 \\ 494 & 80 \\ 2,144 & 40 \\ 205 & 20 \\ 206 & 00 \\ 563 & 20 \\ 405 & 40 \\ 414 & 10 \\ 15,541 & 65 \\ \end{array}$

THE DRY DOCK AT LEVIS, P.Q.

No. 4.-STATEMENT of Dues and other charges collected during the year ended March 31, 1918.

Name of Vessel Docked.	Tonnage.	Period of Dockage.	Dockage Charges.	Other Charges.	Total
 St. "Carib". Tag "Harderit. Stev "Mol Vetta". Star "Mol Vetta". Star "Carrelette". Dredge "Galvison". St. "Carib". St. "Caribana". St. "Caribana". St. "Caribana". St. "Starbana". St. "Leavi and "Lauon". St. "England". St. "England". St. "Starbana". St. "Leavi and "Lauon". St. "England". St. "England". St. "England". St. "Starbana". St. "Leavi and "Lauon". St. "Education". St. "E	$\begin{array}{c} 2.118\\ 328\\ 328\\ 2.046\\ \hline \\ 1.474\\ 556\\ 736\\ 2.783\\ 736\\ 2.782\\ 2.782\\ 2.782\\ 3.247\\ 3.247\\ 3.247\\ 5.63\\ 2.638\\ 2.$	1917 May 10 May 25- April 25, May 12- Win ter. Win ter. April 20, May 12- Win ter. April 20, May 12- May 10 May 22- May 10 May 24, June 11 June 21, June 21, June 21, June 2	\$ cts. 1,231 24 1,650 00 823 00 200 00 200 00 800 00 500 00 1,100 00 500 00 1,100 00 500 00 1,105 00 496 60 1,300 00 250 00 1,159 25 1,300 00 250 00 1,159 25 1,300 00 250 00 1,300 00 250 00 250 00 1,300 00 250 00 250 00 1,300 00 250 00 250 00 1,300 00 250 00 1,300 00 250 00 1,300 00 250 00 250 00 1,300 00 250 00 1,300 00 250 00 1,300 00 250 00 1,300 00 250 00 250 00 250 00 250 00 1,300 00 250 00	2 50 41 40 12 50 68 56 78 56 79 00 64 100 52 25 52 25 54 16 60 16 60 50 52 25 52 25 52 25 54 16 50 54 10 10 10 10 10 10 10 10 10 10 10 10 10	
	41,665		28,466 55	761 60	29,228 15

THE REPAIR SLIP AT SELKIRK, MAN.

No. 5.—STATEMENT of Dues and other charges collected during the year ended March 31, 1918.

Name of Vessel Docked.	Tonnage.	Period o From	f Dockage. To	Dockage Charges.	Other Charges.	Total.
Str. "Annah". Str. "Annah". Str. Wickstr. Str. "Unching Str. "Jackst". Str. "Jackst". Str. "Janna". Str.	32 32 35 36 36 30 32 22 22 22 22 22 22 22 22 22	1917. May 10. May 11. May 19. May 21. June 1. June 1. June 1. June 1. June 1. June 29. May 23. May 3. May 3. May 3. May 4. June 1. June 29. June 1. June 29. May 5. May 5. May 5. May 5. May 5. May 5. May 6. May 7. June 28. Aug. 47. July 19. July	1917. May 11. May 12. May 22. May 22. May 21. May 21. May 31. June 2. June 4. June 30. May 31. June 30. May 4. May 4. M	22 00 23 00 25 00 20		8 cts. 212 20 00 225 00 205 05 05 00 00 225 00 205 05 05 00 00 225 00 205 05 05 00 00 225 00 00 225 00 00 225 00 00 225 00 00 00 00 225 00 00 00 00 00 00 00 00 00 00 00 00 00
P W.D. coal barge Dredge No. 201.		Oct. 25 Nov. 7		25 00		25 00 25 00 26 40 1,714 36

T-	
È	
4	
ACCOUNTANT.	
F=i	
È-	
4	
5	
Ξ	
0	
()	
5	
9	
\triangleleft	
(T.	
5	
щ	
H	
CHIEF	
\sim	
(-)	
THE	
T	
2	
6-	
G	
OF	
F-4	
à	
PORT	
0	
õ	
1	
EP	
N	

By A. G. KINGSTON, CHIEF ACCOUNTANT.

Avervis expended by the Department of Public Works of Canada during the fiscal year ended March 31, 1918.

	9 GEORGE V, A. 1919
Total.	8 (c) 31/8 (c)
Power.	· · · · · · · · · · · · · · · · · · ·
Water.	20 20 20 20 20 20 20 20 20 20
Lighting.	8 Ct. 1108 07 1108 07 1108 07 1118 05 07 11178 05 07 00 00 00 00 00 00 00 00 00 00 00 00
Heating.	* 445 70 445 70 141 14 14 14 14 14 14 14 14 14 14 14 14
Supplies for Caretakers.	 CEN 20 CEN 20
Rents.	8 cta. 1990 00 7 205 198 00 198 00 1,200 0000000000000000000000000000000000
Repairs and Furniture.	8 Mar 11 8 Mar 11 8 Mar 12 8 Mar
Construction and Improve- ments.	8 Class 20 00 1,1,156 31 1,1,156 31 1,1,156 31 1,1,050 71 1,050 710000000000000000000000000000000000
Name of Work.	Petruc Batalana Anna Sonia Anna Sonia Anna Sonia Anna Sonia Anna Sonia Anna Sonia Anna Anna Anna Anna Anna Anna Anna Ann

1004 10 1004 10 1004 10 1005 55 1005 5	812 12 80 71 72 50 737 50 737 50 737 50 737 50 10,885 07 732 85 51 10,885 51 20,185 51
Sch 28	
40 00 153 00 150 00 10000000000	34 00 2255 00 45 00 45 20 8 75
88, 88 88, 88 111,153 111,155 111,1	102 65 315 236 815 236 815 1,702 87 1,702 85 147 05 1872 86 1872 86 1872 86 1872 86 1872 86
24 90 24 10 25 10	427 61 857 03 857 03 1, 678 97 1, 67
806 16 3152 19 3152 10	22, 1754 10 10 10 10 10 10 10 10 10 10 10 10 10
100 00 100 00 100 00 100 00 100 00 111 336 16 111 336 16	65 63 70 00 174 96 174 96 24 00 5 50 5 50 888 89
44 2.25% 45 2.25% 46 2.25% 47 2.4% 48 2.2% 49 2.2% 40 2.4% 41 2.4% 42 2.4% 43 2.4% 44 2.4% 45 2.4% 45 2.4% 45 2.4% 45 2.4% 45 2.4% 45 2.4% 45 2.4% 45 2.4% 45 2.4% 45 2.4% 45 2.4% 45 2.4% 45 2.4% 45 2.4% 45 2.4% 45 2.4% 46 2.4% 47 2.4% 46 2.4% 47 2.4% 47 2.4% 48 2.4% 47	11 98 428 82 982 27 183 21 183 21 183 28 1940 20 1940 20 106 80 106 80
646 97 3,534 96 3,534 96 2,003 16 2,003 16 2,000	241 54 241 54 24 171 45 24 171 45 25 175 8
Katerolite expansional fram. Katerolite expansional fram. Framework (1996) (1	Charletterioran correctional farm. Charletterioran correctional farm. Charletterioran Black (108), of charletterioran black (108), of charletterioran black (108), of charletterioran black (108), of charletterioran black (108), of Correctiona part (108), of Summ part (108),

	Total	8 de. 1995 de la construction de
WOM LOTAT	Power.	8 44.
·	Water.	8. Ch. 10. Ch.
· nanna n	Lighting.	8 44. 1940 1951 1940 1951 1940 1951 1940 1951 1940 1951 1940 1951 1940 1940 1940 1940 1940 1940 1940 194
o liacat act	Heating.	8 64. 61. 61. 61. 61. 61. 61. 61. 61. 61. 61
un Sminn	Salaries and Supplies for Caretakers.	 Chail
PROTECT TO	Rents.	8 64.
SN 10 44 . of 11	Reparts and Furniture.	8 44 47 47 47 47 47 47 47 47 47
1 10 112.11	Construction and Improve- ments.	 4.1,225 in: 1,225 in: 2,2157 20
AND SES SEMEDIAR IN THE DEDUCTION TO TRADE AND SET MUMAR MATTER AND SES WALL AND ALL ADDRESS SEVEN AND ALL ADDRESS AND A	Name of work.	Prare Rummon-(a) Are Branneck. Are Branneck. Campal and the set of the set Campal and the set of the set Campal and the set of the set Campal and the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set

Avorvers sensored by the Denactment of Public Works of Canada during the fiscal year ended March 31, 1918-Continued.

9 GEORGE V, A. 1919

2,192 52 1	87,500.99	1994 1991 1994 1994	16,124 88 5,334 75 6,534 75 6,534 75 6,534 75 3,038 67 3,038 67 3,038 67 1,146 29 1,146 29 2,146 292,146 29 2,146 29 2,146 29 2,
	1,153 43		
34 00	6,350 65	1100 00 1100 00 125 00 125 00 125 00 126 000 126 00 126 00 100 100 100 100 100 100 10000000000	357 16 38 00 110 00 21 112 21 112 211
367 88	8,931 47	114 14 14 14 14 14 14 14 14 14 14 14 14	28 12 28 12 29 15 29 16 29 16 112 29 112 29 112 29 112 29 113 20 113 20 110 113 20 110 110 110 110 110 110 110 110 110 1
621 95	25,632 50	244 07 878 13 878 13 878 13 878 13 878 14 11 878 14 11 11 11 11 11 11 11 11 11 11 11 11 1	305 10 305 10 305 10 309 10 309 10 309 10 300 10 10 10 10 10 10 10 10 10 10 10 10 10 1
585 82	20,340 27	2012 10 2014 10 2015 10 2015 10 2015 10 2015 20 2015 2015 20 2015 20 200 200 200 200 200 200 200 200 200	100 931 102 202 103 202 104 202 105 202 105 202 105 202 106 202 107 202 107 202 108 202 108 202 109 20 109 20 100 100 100 100 100 100 100 1
	729-76	200 000 256 42 269 96 26 10 26 10 26 10 10 00 110 00	575 00 212 67 96 00
582 97 950 46	9,956 55	11 12 13 14 14 14 14 14 14 14 14 14 14	11 200 110 11
	5,406 36	1,006 (b) 1998 (c) 1998 (c) 19	
Woodstock post office, etc. Minor offices throughout the province.	Total, New Brunswick	Atom Val. 1944 of 2014. Atom Val. 1944 of 2014. Atom Val. 1944 of 2014. Atom San	Construction action action intervention construction of the protocological action of the pro- cession of the protocological action of the pro- dention of the protocological action of the pro- dention of the pro- dention of the pro- dention of the pro- tocological action of the protocological action of th

Total.	8 cfs. 8 cfs.
Power.	8 ct. 29 40 20 40 20 20 40 20 20 20 20 20 20 20 20 20 20 20 20 20
Water.	8 64. 72 5 05 05 05 05 05 05 05 05 05 05 05 05 0
Lighting.	 ³⁰ Classical State St
Ileating.	8 cf. 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
Salaries and Supplies for Caretakers.	8 614 613 614 614 6
Rents.	8 Cal 8
Repairs and Furniture.	22 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Construction and Improve- ments.	8 cta. 770 94 6 (200 42 8 (200 42 8 (200 42 8 (200 42 8 (200 42 1 (200 42 1 (200 42 1 (200 42 2 (200 42))))))))))))))))))))))))))))))))))
Name of Weck. Construction Depairs Networks Solution Solution Network Networks Paratitions Readers Paratitions Readers Paratitions Paratitions Paratitions Paratitions Paratitions Networks Ne	Prance Privates Privates Privates <i>evolves</i> -Constrated. <i>evolves</i> -Constrated. <i>evolves</i> -Constrated. Names Privates Privates Names Privates Privates Names Privates Privates Names Privates Privates Names Privates Privates Names Privates Privates Privates Privates Privates Privates Privates Privates Privates Privates Private

ANet VTS expended by the Department of Public Works of Cumula during the facal year ended March 31, 1918-Continued.

90

DEPARTMENT OF PUBLIC WORKS

9 GEORGE V, A. 1919

SESSIC	NAL PAPER N	0.19				
3,500 15 1,750 00 852 06 224 25	12,481 82 139,604 27 363 41 1,884 83 1,889 88 1,889 88 1,889 88 1,889 88 1,889 88 1,889 88 1,889 88	658 84 812 30 4,861 32 10,969 97 15 85 6,862 03 496 83	3,344 38 1,471 99	600 00 1,449 54 299 12 84,246 89 3,127 19	2,400 01 2,400 01 2,400 01 2,400 00 2,400 00 2,400 00 2,400 00 2,400 00 2,400 00 2,400 00 2,400 00 2,400 00 2,400 01 2,400 00 2,400 0000000000000000000000000000000000	5,948 40 1,725 90 1,725 90 1,725 90 1,725 90 1,728 90 1,728 90 1,728 90 1,728 90 1,728 90 1,728 90 1,738 50 1,738 50 1,247 1,738 50 1,247 1,738 50 1,248 10 1,248 10 1,248 10 1,248 10 1,248 10 1,258 50 1,258 10 1,258 100
		00 005	1,376 25	775 00	50 00	
38 80 83 30	203 84	42 95 800 00 450 00	-	750 00 50 00 810 00	193 75	25 00 18 73 18 73 18 73 28 60 28 60
55 59 177 73	2,953 78 2,953 78 270 19 136 09 15 00 15 00 15 16 15 15	26 20 6 20 748 65 216 25	1,047 69 217 18	48 49 780 96 72 71		211 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
71 313 26	117 96 73 90 685 17 288 93 288 93 117 00 90 00 171 33	167 25 23 00 1,050 17 2,660 76 1,645 62	423 20	633 79 5,152 46		171 08 7932 02 7932 02 7931 202 7931 202 7931 202 794 193 7452 50 4152 50 745 20 845 20 845 20 845 20 845 20 846 2
4 40 26 20	+135,855 95 6 65 624 41 533 11 533 11 199 92 177 52			12,022 82	1,055 74 473 58	
$\begin{smallmatrix} 910 & 00 \\ 1,750 & 00 \\ & & & \\ 213 & 00 \end{smallmatrix}$	12,014 40 240 00 1 00	393 00 34 00 38 25 98 25 495 83			210 00 210 00 210 00 210 00 210 00 210 00 210 00 210 00	
354 81 251 57 11 25	127 18 676 58 583 50 583 50 50 50 50 50 50 50 50 50 50 50 50 50 5		497 24	87 FG 99 846 91 948 948 96 948 96 946 946 946 946 946 946 946 946 946 9	49 80 63 52 434 26	
2,135 84	14 90	15 85		63,488 58		2,870.08
	exalplements outling currents exc.) Mont diversaries Marrey By set office of Marrey By set office of Noniningen immeration building Prervolation materiation building	Pleasavalle joue fotoe Quadera archives office Quadera archives office e actional (Gov. Genil's quarters) e actional half e examining varehoute e actining varehoute	 immigration buildings (Louise embank- nueur) immigration detention hospital (Savard Park) 	munigration defension loopital (Medical supdit's res.). marine agency (King's wharf). post offer, sec. (Uper town) posted station "B".	 Candiate post office Parabate post office Sk, Roch past office Sk, Roch past office Partenez Sk, Saruvar post office Quebee post office case examiner's office. Quebee post office case examiner's office. 	 we work and a materia surface and generally. generally. general

1 This sum indicates the total wages of caretakers, firement, elevator men and desarers for all buildings in Montreal. Owing to system of organization of these staffs, it has not been practicable to assign proper share to each building.

Constantion and layous frame layous Parahan Russ Salation layous Parahan Russ Salation layous Parahan Russ Salation Russ Parahan Russ Parahan Russ Lighting, Water Russer Tradi- tion	% eth % eth<	1,554 to 55 to 100 to 1	Triangle Triangle	20 00 00 12 30 00 00 14 14 14 15 25 25 31 10 10 10 10 10 10 10 10 10 10 10 10 10	135<00	5550 567 59 139 45 22 92 400 96 331 68 58 58 56 139 46 400 96 331 68 56 138 46 16 56 16	372 10 100 00 128 25 260 00 372 10 10 00 128 12 260 00	355 26 305 87 15 82 267 15 15 00 17 626 36 230 75 15 00 1,002 15 304 06 304 16 26 07 17 626 36 20 10 1,002 15 840 06 304 16 304 37 15 16 17 626 36 31 18 10 1,002 15 840 06 304 16 304 37 15 16 18 16 10 19 10 19 10 19 10 19 16 16 17 16 17
Name of Work.	Prairie Renzinwas-Continued. Queb.cContinued.	Ste. Anne de la Pocatière, experimental farm St. Enstacles, pest office	liyaci sean,	8. Tean do Matha, post office S. Jerona, post office S. Jerona, post office, &c. St. Jesenth de Beance, post office	sk. Launett, jest omer Sk. Ours, past office Ste. Rues, past office, Ske. Theres, jest office, &c Sk. Theres, jest office, &c	Sayabee Statuon, post office Shawinizan Falls, post office Shawville, post office Sherbrooke, post office, ke	Sorel, post office (D. P.W.). Sorel, post office, a Spirit Lake, Pontiac Co. post office Stantead Plain, part office	Trais Risches, post office, &c Trais Risches, post office, &ctermporary Trais-Rusiers, post office, &ctermporary and the state of

92

A work are exteeded by the Demartment of Public Works of Canada during the fiscal year ended March 31, 1918-Conformed.

DEPARTMENT OF PUBLIC WORKS

9 GEORGE V, A. 1919

REPORT OF THE CHIEF ACCOUNTANT

SES	5101	AL PAPER	140.	19				
1.20598 8,79432	689,941 68	Total.	\$ cts.	24,991 95 3,643 01 1,497,278 91	113,011 65 3,555 00 16,046 61	8, 171 35 28, 742 25 20, 014 16 462, 371 72 101, 035 61 54, 000 58	6,157-30	2, 262, 04 1, 752, 06 3, 250, 72 3, 250, 72 3, 250, 72 3, 250, 72 3, 250, 72 42, 181, 62 42, 181, 62 7, 104, 15 7, 347, 15 8, 553, 73 8, 553, 73 17, 577, 15
	19,564 90	Power.	& cts.			28,742.25		
112 50	20, 164 34	Lighting.	8 cts.	-	16,991 67			46 06 29,833 82 29,833 82 772 291 61 772 291 61 775 291 165 57 765 57 765 57 764 99 165 57 764 99 165 57 764 99 17 94 1,944 38
149 47 78 15	39, 323 35	Heating.	8 cts.		44,496 58			1664 62 883 02 883 03 16,648 73 1,837 73 1,837 11 837 15 4,448,62 4,448,62 4,448,62 4,848,62 4,848,62 4,848,62 4,848,62 4,848,62 4,848,62 4,848,62 4,848,62 4,848,62 4,848,62 4,848,62 4,848,62 4,848,62 4,848,62 4,848,62 4,848,62 4,848,73 4,948,748,7554,748,755 4,948,75564,748,7556 4,948,75564,748,755676 4,9476767667676767676767676767676767676767
475 09	79,258 73	Salaries and Supplies.	8 cts.		51,523 40 840 00			540 00 5,633 44 1,740 00 3,300 00
336.93	201,087 16	Rents.	\$ cts.				0	
	45,392 23	Sundry Main- tenance.	\$ cts.		13,415 42	96 000 Fc		s, 742 8, 122 9, 122
130 99 8,658 42	53,223 19	Repairs and Furniture,	\$ cts.			462, 371 72		711 36
	231, 927 78	Construction and Im- provements.	8 cta.	$\begin{array}{c} 24,991\ 95\\ 3,643\ 01\\ 1,497,279\ 91\\ \end{array}$	3,555 00	8,171 35 20,014 16 101,035 61	6, 157-30	34,480 57 9,749 05
Victoriaville, post office, &c	Total, Quebec	Name of Work.	OTTAWA BUILDINGS.	Departmental building= 1 "Commany" "Commany" House) Eastern block, new fire proof roof Parliament building, resonanded Parliament and departmental, blods, generally	(Library of Parliament, East, West, Lange- vin and Connaught blocks). Fire escapes from data including Major's HII Park. Visconstity. Output Commerce B. Data.	Finance parts current frame. Finance to the finance frame. Re-wring of buildings. Re-arise and turniture Steel Fitting. Telephane service	Sites for new departmental buildings- Acquirement of properties, Wellington street weat	Allances of applications of ap

4.
3
2
12
1
5
~
x
6.
-
~
-
-
-
ž
N
-
ē.
2
Ξ
10
2
· ·
cal
ş
fise
-
<u></u>
-
20
· Ξ ·
1
÷.
da
a.
8
-
-
~
rks
1
.~
1
ž
12
2
1
5
C
t
Ē.
ă
-
1rt
108
2
1
-
~
10
-
7
ž
1×
expend
3
2
1
×
ž
2
- 4

94

Power.	8 cts. 8 cts.	22,0150554 22,01236554 21,1237546 21,237545 4,01448 4,01448 4,014444 4,014444		28,742 25 3,277,900 40
Lighting.	& cts.	2,900 70 1,442 38 15,979 05 5,548 42 2,444 49 55,484 40	182 56 188 75 227 22 4,604 54 201 54	58, 223 26
11. ating.	8 cts.		5,971 79 1,957 91 13,493 00 25,058 31	150,986-09
Salaries and Supplies for Carotakers.	\$ cts.	6,1	840 00 1,420 00 13,873 50 36,909 94	126, 166 28
Rents.	& cts.			527,150 14
Sundry Main- tenance.	& cts.		25,615.00	104,895 39
Repairs and Furniture.	§ cta.			522, 153 27
Construction and Improve- ments,	§ cta.		1,019.32	1,759,573 72 522,153 27
Name of work.	OTTAWA BULDINGS-Con.		d light, 1 unt unt and shipy ted build	Total, Ottawa buildings

+ Salaries, heating, lighting, included in Parliament and Departmental buildings.

DEPARTMENT OF PUBLIC WORKS

9 GEORGE V, A. 1919

REPORT OF THE CHIEF ACCOUNTANT

ned.	Total.	89 68		1, 106 36 1, 106 36 1, 526 94 2, 829 99 2, 829 99 952 67			2, 801 17 2, 554 69 1, 167 08 815 81 1, 999 99 1, 410 14	$\begin{array}{c} 2,932 & 99\\ 1,651 & 84\\ 1,124 & 97\\ 1,124 & 58\\ 1,408 & 15\\ 1,408 & 15\\ 42 & 89\\ 3 & 50\\ 1,151 & 06\\ 1,151 & 06 \end{array}$
118-Contin	Power.	& cts.			361 14			
arch 31, 19	Water.	s cts.	22 00 22 00 22 00 22 00					27 30 28 45 29 45 20 45 20 20 45 20 20 20 20 20 20 20 20 20 20 20 20 20
ar ended M	Lighting.	8 cts.	93 94 30 222 30 93 94 594 30			163 15 980 07 68 40 189 50		367 37 285 65 334 50 170 15 204 74
e fiscal yes	Heating.	& cts.	148 25 311 70 311 70 269 25 424 25					1,084 50 270 45 265 60 2986 60 270 32 470 32 113 75
during th	Salaries and Supplies for Caretakers.	s cts.	579 95 516 92 641 99 620 26 520 26			382 72 921 35 523 81 30 74 80 74		1,211 87 916 74 602 49 601 90 644 13 644 13 624 37
of Canada	Rents.	s cts.			10	100 00 209 25	1,999.99	
olic Works	Repsirs and Furniture.	8 cts.	146 64 28 02 48 19 48 19 763 57		228888 8888 8888 8888 8888 8888 8888 8	275 83 518 10 253 74 106 54		171 35 194 60 231 98 193 73 59 50 59 50
ient of Pul	Construction and Im- provements.	8 cts.			64 60	3,959.70	2,304 15 1,343 60	6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Associate expended by the Department of Public Works of Canada during the fiscal year ended March 31, 1918-Continued	Name of Work.	PUBLIO BUILDINGS.—Continued. Ontario.	Acton post office, etc. Alexandress post office, etc. Alexandress post office, etc. Ambreaturg post office, etc. Araptrior post office, etc.	Athenes pass office, etc Aumers post office, etc Armers post office, etc. Barrie post office, etc. Barrie post office, etc.	biennent poet onnes, etc. Bowmanylle post offte, etc. Brasebreige post offte, etc. Brannpon post offter, etc. Brannpon post offter, etc.	post office, stee Brighton post office. Browskript post office. Burdred post office, stee. Cardinal places office.	Cayuga peat office Clasting post office, etc. Clasting post office, etc. Clainton post office, etc. Ostant post office, etc.	Collingresort pate utilies, etc. Corrand) pase utilies, etc. Dereverato to fillor, etc. Dereverato to fillor, etc. Dereverato pate office Duradia pate office Duradia pate office Duradia pate office

d.
8
2
in
~
6
100
~
30
-
1918
31,
22
-
-h
5
3
N
^b
He h
ğ
S
ar
ie.
-
al
file
he
th
60
.5
H
dur
5
5
p
8
5
3
~
144
0
50
rks
orks
V orks
Works
die Works
ublic '
Public '
ublic '
t of Public
Public '
ent of Public
ent of Public
ent of Public
t of Public
ent of Public
ent of Public
Department of Public
Department of Public
Department of Public
the Department of Public '
the Department of Public '
by the Department of Public
by the Department of Public
by the Department of Public
led by the Department of Public
by the Department of Public
ended by the Department of Public
ended by the Department of Public
led by the Department of Public
expended by the Department of Public
expended by the Department of Public
expended by the Department of Public
1 NTS expended by the Department of Public
1 NTS expended by the Department of Public
expended by the Department of Public

Total.	9 GEORGE V, A. 1919
Power.	90 de
Water.	x the second sec
Lighting.	x 64, 100 110 110 110 110 110 110 110 110 11
Heating.	306 21,00 210 21,00 210 21,00 210 21,00 210 21,00 210 20,00 210 20,00 210 20,00 210 20,00 210 20,00 210 20,00 211 20,00 212 20,00 213 20,00 2143 20,00 2143 20,00 2143 20,00 2143 20,00 2143 20,00 2143 20,00 2143 20,00 2143 20,00 2143 20,00 2143 20,00 2143 20,00 2143 20,00 2143 20,00 2143 20,00 2143 20,00 2143 20,00 2143 20,00 2144 20,00
Sularies and Supplies for Caretakers.	8 414 114 114 114 114 114 114 114 114 11
Rents.	* ct.
Repairs and Furniture.	* 58 58 58 58 58 58 58 58 58 58
Construction and Improve- ments.	8 (4) (4) (4) (4) (4) (4) (4) (4) (4) (4)
Name of Work.	Protect BULTATIONAR-Class Outron Continued Control Continued Elimination of the control of the control Elimination of the control of the control of the control Elimination of the control of the co

DEPARTMENT OF PUBLIC WORKS

52	- 551	UN	4L I	PAI	E	1 11	D. 1	9																							
31		773	353	85	12	44	83	9	32	8	969	99	69	5	1	\$? ;	38	- 6	52 0	22	5	28	87	ż d	188	82	38	23	58	38	32
3,305	2,686	338	135	33	052	1,215	2	22	258	200	12	ŝ	110	ŝ	30	31,	19	22	8	154	18	87.8 1	68	Ë,	8	264	974	3	₹°	10	19
<i>с</i> с.	01	-		-		4 yeek 142	×			1	-		53	"			0			N	000	3-		23	-	61			50	63	1
_				_									_											_	_						_
	1	11	88	8.3	1						:									<u>a</u> .					11			. 9	8		
											ŧ.	1		11				1	1	1								.5	õ		
											1																				
<u> </u>		11	<u> </u>	11	1					_	: 3	- 1	1		÷		÷.	1	÷	_		1		1		1	11	-		<u>.</u>	2
51	1	13	24	11	89	202	2	3:			2	5	18	312	÷	78	153	38	8	ç 2	8	100	3	8	:8	8				28	
Ħ	- 1	Ξ.	32		33	312	-3		11	1	3	15	- 3	12	1	22	33	86	81	35	8	14		9	:00	26	14	ដ	8 21	611	31
-							1	1			. '																	1	_		
		<u>.</u>	÷					- 1					-	2	1							1			1		:				_
8		8	15	3 :	39	888	12	33	: 93	- 1	3	6	9 %	616	1	82	181	- 83	12	52	9	32	2	63	:89	63	.18	22	3	88 2	32
105		13	861	: 1	58	125	8	32	:13		202	8	10	37	- 6	37	156	18	23	88	8	20	2	Ŧ	37	8	4	81	÷	808	128
(-				۰.	- "					- 7	e		-	~	1	_					-			· ·		e4	:7	-	۳.		
_	:	£	÷	:					÷.	- 1				_	÷				_						÷		:				_
21		20	:55	25	82	1227	8	3 :	:3				85				88								. 19	19	÷	83	2	55	23
945		17	:82	27	2 8		1	1	12	÷,	85	8	222	82	÷,	58	992	8 9	78	38	9	22	3	3	57.8	6	-9	388	3	146	38
er,			177	-	27.40	0.00		5				61	e1		1	7 2	100	- 00	-	- 7				-	. "	φ		000	21	æ	-
_		<u>:</u>	<u> </u>					- 1	:	1					÷				_		_				1		: .				_
39		88	122	5 :	59	668	ia	; 2	.8		28	T.	36	33		12	58 5	28	33	28	12	33	8	\$: 23	2	: 0‡	13	7	25	88
175	- 1		821	2	38	212		Ŧ	. 003				802		1	82	910	77	8	18	18	<u>4</u> 5	2	ę.	-68	948		98		629	15
1-				۰:	10 1	-10 0		ŝ	: ~		0	9	1-3	0	1	00	1-3	÷Θ	91		1.4	20	21	9		57	10	127.8	8	96) (C
	1	18	÷	1			1		:	÷					÷										:		÷				
- 1		183	3 :	:8	÷			:9	8 :	3		÷					18	3							Ξ.	100	3 :				
		219		12		88		16		000		÷			÷		12	5				1				010 50	9				
		1,2						-	۳.	ି		1														: *	۹ :				
					1								÷.											÷	1	÷	1				14
16	1	-9	:73	g :	25	222	85	38		1	85	9	63	38	1.00	23	13	:8	38	82	=	25	2	8	73	11	13	83	88	72	38
191	1	5	2	1	01 2	100 10 204 70	+ 5	-					68		19		33	5	89	879	8	88	13		8					38.9	
1.4			17			- "		•			24		÷.	03				1		20	101		03	ŝ		01		-			_
_		1	÷	1	_			_	11	•		_	_		÷			_		_					-		<u>:</u>		_		_
	38	ų ·				: :3	i a	: 1					8		2		÷					8		13							Ξ.
	2,686	• 1				184	11 801						(,113 00	13	61 169							2		.5							
	3,6					: "							1,1		æ							x°.									87.
				11	1	14	1	1	3.3		: 1	3							1	11					÷				11		11
T	- na			: :	1	: :	: :				:																	1			Ξ.
	10		11			÷ 1		18			3							11													
	nca		11											Ξ.				Ξ.													
1	8		5 ÷																								8 :		ġ.		
	¥ :	12		• 1				1.												1						1	8 :		é 3		
	÷	180.																									2		ldir		
	en :	hot														: 3	3		1		ġ.						11911 	1	pui		
	ar :	are	¢¢		et		fic				i.		ţċ.	: g		ete :	5	9.0	etc		9	ŏ		3	1	0	Ĕ:		A g	et	8.8
1	e :	. 20	9 6	; ė	fice	66	0 0	8	11	Bee.	ы e		2	ĬŔ	÷	et et	jų,	et.	c0,	oto .	hee	co,	ote	e.		91	ote	g.	ata	fice office	6
Eice	o ia	in a	ι E	official	to g	ice,	tio	E B	the s	t of	See.		flic	et.	Ξ.	off off	18t	ICH.	off	9' G	t of	ti o	ee.	ŧ	i p	ffice	ce.	9. 0	nin	sost office, et	i H
0.1	A. M. C. enla	in the	t.	Det	0.08t	50	Fra	4X	t o	100	Ho to	f) o	off of	d.	Ei .	off	b	to the	ost	office	Bod	te e	OB	st o	tion	ost office, e	t Ho	flice	UUU UUU	800	at.
post office	K. M. C. e	Z X	od a	e bo	and l	post office, ef	mmigration o	var tax off	soci soci	lle	180K	at o	pod	real	i.	0.9t	alls	180	le p	at o	pu	i Here	ost	od .	CINB	boa	Det	at o	In	- Inde	o bc
		ner	2	TIM	agte			23.	rignal post office kham post office	kvi	A L L	bo	ton.	F.o.	Pe -	1 arke	a P	in 1	vil	bod T	Sound post off	ret0	ll p	oke	OTO D		a p	bod	TT-	Alle	olo
Kingston	block	che	" " "	anadowne post of	seamington post office a	istowel			L'Urignal post office Markham post office	Merrickville post of	Mildmay rost office.	dilton post office	Wilverton post office ditchall was office	Mount Forest post offi	Napanee drill	" post office, etc Newnarket post office.	Viagara Falls post office	Norwich post office, etc.	Jrangevil	Julita post ofb	an s	camerston post office.	Parkhill post office, at	adu.	Peterboro custom h	2	Petrolia	licton	Fort Arthur examining	-0	E
Kin	block	Kitcheuer examining ware	1	Lan	Lea	list			VIar VIar	Mer	Ville	NIIN	NH4	Mon	Nay	New	Nia	Nor	Dra.	111 Daha	Dwen	Paris Con	Par	Penth	Pete		Peta	Pict	Lor	Dor	Fort Hope post office, etc
-		5-1						1	- 193			~			4		~~~		-		-,				-		-				

REPORT OF THE CHIEF ACCOUNTANT

d.
- 21
3
2
ntis
~
2
5
~
×.
-
- 22
-
10
-
-
- 64
N
Ţ
- 6
-2
2
~
I-s
ar
é
20
-
al
ž
- E
-
0
he
-
1.1
20
12
2
5
da
2
~~~
- 2
~
0f
0
-
k8
1
.0
1
3
blie
ublic
Public
Public
of Public
of Public
t of Public
nt of Public
tent of Public
nent of P
stment of Public
nent of P
Department of P
Department of P
nent of P
Department of P
Department of P
Department of P
by the Department of P
by the Department of P
Department of P
led by the Department of P
by the Department of P
ended by the Department of P
ended by the Department of P
ended by the Department of P
expended by the Department of P
expended by the Department of P
ended by the Department of P
STS expended by the Department of P
STS expended by the Department of P
STS expended by the Department of P
expended by the Department of P

	9 GEORGE V, A. 1919
Total.	8 644. 8 644.
Power,	20 40 40 10 10 40 10 10 40 10 10 40 10 10 10 10 10 10 10 10 10 10 10 10 10
Water.	<ul> <li>★</li> <li>★</li></ul>
Lighting.	<ul> <li>A 10,000 and 10,000</li></ul>
Heating.	* Creation of the second secon
Salaries and Supplies for care- takers.	**************************************
Rents.	<ul> <li>Cela</li> <li>2000 000</li> <li>2000 000</li></ul>
Repairs and Furniture.	8 61, 10 10 10 10 10 10 10 10 10 10 10 10 10
Construction and Improve- ments.	<ul> <li>\$ clo.</li> <li>1,3.87 (n)</li> <li>1,3.87 (n)</li> <li>1,3.82 83</li> <li>1,3.82 83</li> <li>7,78 96</li> <li>3.83 41</li> <li>1,2 00</li> <li>1,2 00</li> <li>1,2 00</li> <li>2,002</li> <li>2,002</li> <li>3,31 45</li> </ul>
Name of Work.	France Entrance and the construction of the co

DEPARTMENT OF PUBLIC WORKS

SESSION	AL PAPER NO. 19		
19 98 2,233 51 49,349 37	11 100 100 100 100 100 100 100 100 100	628, 450 98	2,165 68 48,211 41 500 28 500 28 3,721 07 1,234 87 1,234 87 1,234 87 1,234 87 1,234 87 6,103 6,103 6,103 6,118 82
14 30 434 98	90 00 82 82	3,240 72	
11 08	10日1日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 10日日 1	7,363 00	47 09 20 25 113 19 54 67
210 58 4,938 13	201 10 10 10 10 10 10 10 10 10 10 10 10 1	37,388 54	10 00 27 94 979 88 116 79 978 88 116 79 884 29
691 96 8,713 50	46         48         48           1111         10         10           1111         10         10           1111         10         10           111         10         10           111         10         10           111         10         10           111         10         10           111         10         10           111         10         10           111         10         10           111         10         10           111         10         10           111         10         10           111         10         10           111         10         10           111         10         10           111         10         10           111         10         10           111         10         10           111         10         10	78,821 17	142 24 919 98 919 98 1, 194 45 404 59 645 55 338 85 338 85 338 85
1,148 03 25,399 36	N 10 16 11 16 1	167,197 68	1,199 45 684 25 708 25
186 47	1,800 00 640 76 1,440 00 900 00 900 00 1,260 00	19,230 43	1,897 50 300 00 25 00
19 98 157 56	4 Mag 10 118 10 118	35,342 58	68 25 142 04 234 10 56 95 56 95 61 03 63 25
9,206 71	212,145 41 212,145 41 15 38 15 38 2,115 38 2,115 38 2,115 38 2,115 38 2,115 38 2,115 38 2,115 38 1,215 16 1,215 16	279,866 86	47, 174 12
<ul> <li>inlard revenue building</li> <li>inlard revenue building</li> <li>past offics, etc. and additional interpret to buildings on item</li> <li>purchased for addition building</li> </ul>	mana second mana s	Total, Ontario (excluding Ottawa) Manitoba:	Erandan exciniting wavehouse experimental farm, i mingeration building Carne post officio, etc. Carne officio, etc. Dappini Pereficio, etc. Dappini Pereficio, etc. Dates Munargentian (Marquetal) freendry office Earerean immigration partial freendry office

99

 $19-7\frac{1}{2}$ 

nued.	Total.	& cts	1,356 05 700 00 711 50 163 75 2,294 25	076 40 1,793 74 1,636 17 505 84	1, 495 14 2, 322 68 70 00 247 50 2, 028 24	180 00 1,905 34 2,605 76 870 90 871 90 871 90 888 15 908 15 1,554 87	2,203 84 6 5,416 44 9 12,524 37 9	NGL V, ) 25 202'21 25 202'21	2, 149 79 32, 843 05 2, 376 78 6
918-Conti	Power.	s cta.		-			130.61	150 57 253 82	575 17
Iarch 31, 1	Wator.	& cts.		26 96 19 00	50 25 25 25 17 91	73 70 30 65	22 121	447-03 1,003-78	908 43
ar ended N	Lighting.	\$ ets.	91 50 301 20	150 08 95 05 20 60	40 84 460 82 61 07	132 92 71 66 45 92 18 15	25 84 61 69 712 31	255 28	11 88 3.443 89 10 20
e fiscal ye	Heating.	s etc.	557 55 101 50 1.031 53	558 50 539 70	741 55 775 46 564 98	641 07 828 10 272 38 53 15 53 15 662 12	1.823.46	$\begin{array}{c} 7,004 & 02 \\ 58 & 50 \\ 7,540 & 85 \end{array}$	7,328 39
a during th	Salaries and Supplies for Caretakers.	S cts.	686 22 881 61	00 CF 02 828 11 288	631 07 906 10 861 92	7208 05 806 50 334 75 384 75 827 55	7,841-90	8, 673-36	14,624,49
of Canadi	Rents.	& cts.	00 891	412, 1985	70.00	150 00	2, 170 00 5, 235 00	37 61	1,873-30 189-00 1,746-73
blic Works	Repairs and Furniture.	8 cts.	20 78 10 00 75 88 69	197 15 16 16 1 90	19 70 105 05 522 36	264 60 294 85 18 85 18 85 18 85	8 00 1,444 32	1,372 62 30 1,933 60	16 06 3,926 50 60 18
acnt of Pu	Construction and fur- provements.	\$ cts.		975 40				72 14 13 25 2,683 12	348 55 1,846 89 340 70
Avorvis expended by the Department of Public Works of Canada during the feeal year ended March 31, 1918-Continued.	Name of Work.	Penere Bertzpinos-e'ontraned. Mantoba- Concluded.	Emerson post office, etc Le Pas landa office, etc Le past office Multa post office, etc Munchas post office, etc	Morden experimental farm - pass office Neepawa poel office, etc Portage la Prairie examining warehouse	" armonry, etc Reset an post office post affice. Robin forestry office Solkitck post office	Sharl Laker teach office Surris part offices sets St. Donitions pert offices St. Donitions pert offices Transeorua pert office Virten minigration hulding	Winnipeg "Boyd Bilk," (archives, Ry. Confu, acc) Winnipeg "Chamber of Commerce bilds," (Int. Degr. dc.) Winnipeg queron house, etc. (old post effici)	ecamung warehouse. ecamung warehouse. gran warehouse ummigration building (new) munigration huildinge.	(D.P.W.)

DEPARTMENT OF PUBLIC WORKS

9 GEORGE V, A. 1919

1, 415 29 4, 757 94 1, 757 94 1, 757 94 1, 758 96 1, 758 96 1, 246 55 1, 246 55 2, 473 90 2, 473 90 2, 473 90 1, 246 15 1, 246 15 2, 473 90 1, 246 15 1, 246	209,848 71		12 00 4 160 88	00 02	1,173 22	222	2,249 89	5,189-07 156-00	1,634 12	202 00 202 00	210 90 4,080 51	240 00	1,196 00	99 842 518 29	13,435 90	22 9 16	1 202 07	396 00 5.170 06	705 76	
27 51 27 51	1,157 68														430 30		:			
26 51	3,140.50		74.91		32 08	90.9	48 26	236 51	121 41			7 50	00.00	18 75	276 80	280 35		8 40 28 28		15 45 24 30
158 04 73 67 67 06 9 45 740 53	9,951 10		12 00 534 76		220 73	42 50	251 93		629		50 02 481 02			39.68				11 95 915 73	5 76	65 81 18 55
1, 510 47 5 fil 527 43	36,912 03		873 76		232 23		G1 F11		1,151 88		980 SS 965	492 29	1 007 67	139 68	3,596 77 172 00	1,056 85	75 nor	162 50 1,435 60		637 06 215 89
2,402 25 365 10 2 12 355 12 355 22 355 22 355 22 6,269 60	52,214 87		798 40		605 20	137 95	844.65				823 40		273 28 406 10	AT AND	4,498.96	F2 9H6		2,403 30		611 35
$\begin{array}{c} 1,500 & 00\\ 1,724 & 73\\ 305 & 00\\ 2,416 & 00\\ 675 & 00\\ \end{array}$	23, 338 61			00 02	00	144.00	····	156 00	NIC 00	1 00		1,100 00		100 00	360 00	8	1.200 00		700 00	
555 50 7 28 32 55 57 20 1, 252 46	14,122 46		1,888 05	27 39		18 18 18			354 54	11 00	2,475 74	174 85	275 03 su6 90	20 29	2,027 53 695 25	275 10	26 16	210 15 316 15		99 18 48 95
932 10	69,011 46				46 83		0.000.00	00 000.0			4 10				579 74					10,143 83
"A" (tereb) "A" (tereb) "A" (tereb) "A anne 84. "Oracle Rege, "Oracle Food Baard). "Soats Big," Oracle Food Baard). "Unang Mark Bigs, War as deal "Unang Mark Bigs, War as deal "Unang Mark Bigs, War as deal "Unang Mark Bigs, War as deal	Total, Manitoba	Saskatchewan.	Battleford immigration building	Big River forestry office. Riccar immigration building	Fatevan post office, etc.	Historia in the second se	Humboldt post office, etc	Indian fiead experimental factor's office	" forest nursery station	Kerrobert immigration building.		Maple Greek Iorestry office, etc.	Mulfort was office, etc.	Moosejaw immigration building.	North Battleford inquirration building	v t n post office, etc.		Prince Albert imingration building	Regina "Aldon Block " (weights and measures office)	digtua Asis, Receiver (ren. office - Ke accentumo- diate post office

nued.	Total.	<ul> <li>Ch.</li> <li>Ch.</li></ul>	HG 182,811	V, A. 1919 24 1919 25 1919 26 192 181 28 195 181 29 192 29 192 20 192 20 20 20 20 20 20 20 20 20 20 20 20 20
918Contis	Power.	@ 64	744 73	
farch 31, 1	Water.	96 C.S. 21 St.	1,879 23	÷
ar ended A	Lighting	8 64, 1 85, 21, 96, 94 1 12, 186, 94 1 12, 186, 94 1 12, 186, 94 1 12, 186, 94 1 13, 188 1 16, 188 1 1	9,426.95	240.91 240.91
ie fiscal ye	Heating.	8 cta. 400 76 617 80 617 80 71,018 97 1,018 97 1,018 97 1,018 97 1,010 18 190 18 1123 08 1,010 18	23,377 43	130-30
a during th	Salariee and Supplies for Caretakera.	8 cta. 312 t6 5 3,955 72 2,375 72 862 20	21,002 89	564 90
of Canada	Rents.	8 cts. 300 00 1,0850 00 1,1,0850 00 1,1,315 60 1,1,315 60 1,1,305 60 1,1,005 60 1,1,005 60 1,005 6	18,534 28	30 00
blic Works	Repairs and Furniture.	* Ca. * Ca. 10 00 10 000 10 00 10 000 10 00 10 00 10 00 10 00 10 00 10 00 10 00	13,871 27	5 00 145 95 145 95
nent of Pu	Construction and Improve- nients.	<ul> <li>S cta.</li> <li>2,9222 24</li> <li>943 69</li> <li>3,028 25</li> <li>1,437 92</li> <li>3,007 97</li> <li>1,487 13</li> <li>1,487 157</li> </ul>	29,394 56	
Auerxits expended by the Department of Public Works of Canada during the fiscal year ended March 31, 1918Continued	Name of Work.	Petual Distribution Petual Distribution Association or Concluded. Regime in Mart Pressure (Sec., a dept) of Regime in Mart Pressure (Sec., a dept) of Regime in Mart Pressure (Sec., a dept) of Regime in Mart Pressure (Sec., a dept) (Sec., a dept)	Total, Saskatchewan	Alterta. Athabaska munigration building Bauff po toffer, &c. Bauff po toffer, &c. Gagary Ast. Rec. Gen a ontee.

9 GEORGE V. A. 1919

SE	SSION	AL P	APER	NO. 1	9																
13,234 87	390 33 225 00 600 00	8,506 15	90 91 204,409 62 15,694 20	1,273 01 20 65	571 30 8 12	19,792 05	370 52	2,044 00	4,200 00 796 51 7 899 06	516 06	14,106 08 2 45	5 74 3, 527 31	186 90 145 92	783 37 5, 146 61	407 70 225 00	763 95 2,493 91	2, 191 34 399 73		330 26		180 00 458 50 5, 187 50
			1,340.84								314 80							417 15			
			363 23			82 06			1-2 1-9		107 33	27 43				33 50	100 00	75 00	31 00	132 21	
177 69	8 75	44 45	70 309 10	13 01		1,623 27 3 40	370 52		56 70 968 57	1 40	1,870.89	5 74 256 72		2 25				24 30 289			
			2,681 26			890.54		09 10	524 75		1,615 70	658 64	186 90	112 50				233 80		218 95	227 40
948 34			5,405.56			453 455			332 65		8, 380 20	1, 181 15						650 00 5,205 95	26. AU	1,851 30	
11,235 64	$\begin{array}{c} 270 & 93 \\ 225 & 00 \\ 600 & 00 \end{array}$		90 21	$1,260\ 00$ 10 00	981 :	15,290 85- 1,500 60	04 071 0	1 00	6.600 00	300 00			3 00	550 00 455 00	240 00 225 00	00.040			050.00	100 001	235 00
41 60	110 65	256 70	1,513 24	10 65	91 30	1,443 36			149 82	214 66	1,609 00 2 45	1,403 37	34 07	60 90	66.2		84.98	108 10 146 18	130 22		53 50 242 85
831 60			204,409-62 4,080-97		s 12			2,043 00	620.84					4,511 96	160.50	981,36	1, 704, 64	4,480.77		814 91	4,717,25
"Blow building" (Irrigation).	"Burns building" (geol, survey). "Burns building" (geol, survey). "Causda, Tife, building" (Intand Reveue).	T.R.)	Buree). Drill hall			<ul> <li>Post office (temporary).</li> <li>Sreds office (temporary).</li> </ul>	Renterally		immigration building	". "McLeod building" (National ser- vice offices).	weights and measures office	Edmonton South (Strathcons) munigration bldg.	Futwistle immigration building	Grande Prairie immigration building	Ground immigration building	Lacombe experimental farm	Letabridge experimental farm	Iands office, etc	Macleod custom house Medicine Hat immigration huilding	Ponce River Occasion Inde. etc.	numigration building

Hru.	Total.	e cts.	2, 125, 57 487, 70 4, 550, 95 1364, 08 1364, 08 844, 09 146, 37 3, 232, 57 1, 486, 27 1, 486, 27	356,678 88	-	2,414 23 80 00 1,452 68 8 134 54	410 00 15 00 15 00	1.995 69	2,096 51 19 1, 221 79	1, 708 97 1, 559 31 1, 970 62	1,440 27 653 06 3,438 79	1,924 65
199910	Power.	ß cts.		2,072 79								
aren or, 10	Water.	& cta.	239 00 48 27	1,282.84		53 30		12 00 36 00	79 22 60 00	30 00 49 05 69 00	00 2/	26 00
n enued m	Lighting.	s cta.	63 45 2 25 2 19 69	7,548 87		276 99	108 00	16 91 16 91	112 11 194 16 194 26	259 19 149 75 139 40	203 72	274 77
e nscat yet	lleating.	-96 Cts.	388 50 6 00 1149 00 1149 00 88 30 88 32 88 32 88 88 88 88 88 88 88 88 88 88 88 88 88	14, 227 20		953 37 299 88	127 50	116 93 302 57 90 50	047 83 159 56 159 56	413 18 333 00 579 45	335 10	324 46 15 00
auring un	Sularies and Supplies for Caretakers.	\$ cts.	870 95 789 50	26,700-15		371 15	152 25	633 35	20 889	910 97 910 97 948 84	730 10	211 282.
SDRUB V 10	Rents.	& cts.	360 00 300 00 2 08 1 00	58,114 11		80 00 25 00	15 00	30.00			3,228 05	200 00
olle works	Repairs and Furniture.	.s. cta.	133 67 181 70 9 75 37 85 86 81	9,348.49	   	426 36	22 25	- 12 - 17 - 17 - 10	1999 1997	23 10 23 10 232 33 232 33	44 35	146.95
n.I to fuel	Construc- tion and Improve- ments.	& cts.	640 00 4, 389 95 1, 663 80 1, 156 52	237,344 43		1,460.86	90 fol 10				653 06	521 71
ANOUNTS expended by the Department of Fuble Works of Chinada during the fiscal year chord waren 34, 1215-Contained.	Name of Work.	Prende Returnses Continued. .tBerta-Concluded.	Produce Crevic dowersy office transferred construction of the Eastern Monteman (newstry of dowers) Splatt Rover frammerscation building versultion interpretion building Visite definition of the Provinte- tion offices throughout the Provinte-	Total, Alberta	British Columbia.	Agassiz experimental farm. Abern (old) post office Asheroft mail room (Iuland Express B.).	Athin post office, etc.	Codurvate post office. Chase post office. Chillwack post office. etc	Comox post onto, etc Crambriok post office, etc Cumberland post office, etc	Dougtas tramgration outiong Dimean post office, etc Ferrie post office, etc	Greenwood post office, etc. Invermore experimental farm. Kandoope "Acadia Block" (Int. D.).	"Tremont building"

Avoryrs expended by the Department of Public Works of Canada during the fiscal year ended March 31, 1918-Continued.

104

DEPARTMENT OF PUBLIC WORKS

9 GEORGE V, A. 1919

2,944 62 654 00 654 00 1,642 41 1,642 41 1,394 70 1,394 70 1,394 70 1,395 73 1,160 36	8,624 46 463 46 463 33 261 34 168 45 168 45 168 45	$\begin{array}{c} 1,20151\\ 1,91790\\ 1,91790\\ 11200\\ 1,79717\\ 1,79717\\ \end{array}$	$\begin{array}{c} 6, 201 & 60 \\ 6, 201 & 45 \\ 530 & 14 \\ 1, 335 & 00 \\ 12, 798 & 14 \\ 12, 798 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 \\ 738 & 75 $	$\begin{array}{c} 25, 500\\ 4, 272\\ 55, 486\\ 25, 486\\ 323\\ 4, 339\\ 556\\ 53\\ 556\\ 53\\ 556\\ 53\\ 556\\ 53\\ 556\\ 53\\ 556\\ 53\\ 556\\ 53\\ 556\\ 53\\ 556\\ 53\\ 556\\ 53\\ 556\\ 53\\ 556\\ 53\\ 556\\ 53\\ 556\\ 53\\ 556\\ 53\\ 556\\ 53\\ 556\\ 53\\ 556\\ 53\\ 556\\ 53\\ 556\\ 556$	10,277 60 1,358 21 1,870 55 511 50 159 11 2,037 49	5,082 98 2,477 41 2,817 50 32,817 50 1,150 50 1,389 32
455 50			00 IF2	351 00		183 22 166 18
24 00 369 00 4010 10 20 10 80 23 89	15 20	83 73	163 55	208 40 146 85 51 50	63 90 27 25 41 25	13 56 83 28 16 98
49 06 583 33 777 89 546 29 134 22 134 23 114 31	801 86	312 40 127 44	102 09 8 14 329 83	$\begin{array}{c} 1,172 & 25 \\ 2,950 & 92 \\ 182 & 78 \end{array}$	337 16 101 01 291 94	161 21 478 11 
91 00 187 61 187 61 738 72 738 60 2500 60 253 60	224 74	700 15	158 00	1,053 61 1,856 87 770 73	427 50 497 34 590 79	129 00 532 64 163 98
$\begin{array}{c} \begin{array}{c} 1,577&75\\ 1,577&75\\ \hline \\ 2,277&95\\ 2,777&95\\ 2,777&95\\ 2,06\\ 695&26\\ 695&26\\ \end{array}$	118 45	19 20	262 90 8,923 16	27 60 15,058 00 1,973 00	2,039 56 1,168 25 941 52	975 00 141 34 15 160 163 80
654 00 54 00 180 00	6,986 00 6,986 00 463 33 5 00	1,201 51		100 00 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000000	7,200.00	3,600 00
26 25 343 17 343 17 730 54 730 54 730 55 73 15 73 15	718 15 6 40	45 00 79 40 75 40	$\begin{smallmatrix} 7 & 15 \\ 192 & 00 \\ 1,037 & 09 \end{smallmatrix}$		84 902 269 112 269 112 269 112	149 99 447 70 83 15
	168 45	1, 381 43	6,301 45	4,924 18	1,088.34	1,26278 2,81750
(adyanth pest office. Namino pest office, not Namino per office, not Namino office, for Notion per office, not New Westminater India and falerers Mdg. New Westminater India and falerers Mdg. Next Version pest office. Death Riffersy immigration office.	ert examining war ert examining war 'Federal Bloci Fisheries office immigration bu post office (site	Kevelstötes V.a.n. Jank to Commerce ung (Int. Dept.) Resaltand portfree. Saltaron Armore office. Saltaron Armore office. Sidaron Armore office. Sidaron Sarransental farm.	Squamenta post office summerical experimental farm. Union Bay post office Vancouver tereloging office (D, P, W) 	paterice onco, D19 renter 54, funigating plant, immgration detertion building "Moion B Bank" (War Tax office), new post office, dAssay Office), old post office (Assay Office)	Postat statuout a	Victoria ¹¹ Manuel Hollen Molg, "(examining ware, home) a terromonical observatory (Liztle: Sa, artenda Mal, Chasse re food hun- promoten Molga, Chasse re food hun- promotenting Mang, CJ, By, winsel) immediate the Mang, CJ, By, winsel) immediated observatory

Total.	\$ cts. 20, 296 30 3, 065 30 9,175 39 9,175 39 13,251 20 2,008 08	196,329 23	Totals.	& cts.	10,006 17	40,006 17	2,505 00 7,510 53 7,510 53 19,969 21 51,897 33 87,022 86
Power.	\$ cts. 887 25	3,234 15	Staff and Maintenance.	s cts.	40,006 17	40,006 17	2,505 09 5,140 70 51,837 33 79,512 33
Water.	\$ ctv. 92 51 78 12 78 12	1,861 90	S Main	ets.			
Lighting.	\$ cts. 1,352 51 103 32 82 80 10 09	13,873 91	Repair (.	s			
Heating.	<ul> <li>\$ cts.</li> <li>2,378 40</li> <li>577 56</li> <li>110 68</li> <li>8,948 96</li> </ul>	28,587 25	Construction and Improvements.	\$ cts.			tion throughout the provinces.
Salaries and Supplies for Caretakers.	\$ cts. 12, 828 35 934 60 365 40	63,514 53	In		1		provinces
Rents.	8 cta. 201 00 7 50 102 00	30,471 26		ļ			by onto for distribution throughout the provinces
Repairs and Furniture.	8 cts. 509 90 509 90 139 47 1,983 47 1,985 99	16.421 84			con territory		istribution th
Construction and limprove- ments.	\$ cts. 2,046 38 498 00 8,088 42 263 75 3,702 24	36, 364-39	Name of Work.	PUBLIG BULDINGS.	Yukon Territory. blic buildings in Yul		<i>Generally</i> ngs d at Toronto for d g, etc
Name of Work.	Partare Breazonez-Concluded. Breazon Cotanolia - Concluded. Neteria now post office, etc. and concompared address - 1.1. and concompared address - 1.1. and concompared address - 1.1. Minor efficies throughtent the Province.	Total, British Columbia	Name	PUBLIC I	Yukon Territory.Heating, lighting, water, etc., for all public buildings in Yukon territory	Total, Yukon territory	Groenelly Adversing coll preder-Duminon building. Part of the start and supply and the start frame of a start building. Part of Primary Holds Building, accelerated LT frame of a start building. Supply for Primary and Supply and Sup

106

a truth Works of Canada Justice the found wave anded March 31 1918-Clantinued.

# DEPARTMENT OF PUBLIC WORKS

9 GEORGE V, A. 1919

Name of Work.	Dredging.	Construc- tion and Improve- ments.	Repairs.	Staff and Main- tenance.	Total.
HARBOURS AND RIVERS.	S cts.	S cts.	8 cts.	\$ cts.	\$ cts.
Nova Scotia-					
Aron Sortis- Anheres Fucht, what, what, Anheres Fucht, what, Antigonis Louding, what, Antigonis Louding, what, Arisaig, breakwater what, Bidley's what, Bidley's what, Bidley's what, Bidley's what, Bidley's what, Bidley's what, Bidley's how the source of the Bidley's how the Bid		· · · · · · · · · · · · · · · ·	700 52		700 52
Anderson's Cove, breakwater			207 00		207 00 1,825 99
Antigonish Landing wharf		200.09	1,020 00		200 09
Arichat wharf			597 75		597 75
Arisaig, breakwater			54 38		54 38
n wharf			123 75		123 75
Ballow's Brook protection piers		•••••	104 87	• • • • • • • • • • •	104 87 598 47
Baker's Point (East Jeddore) wharf			692 34		692 34
Bass River, wharf			933 78		933 78
Baster's harbour, breakwater			471 20		471 20
Bear Cove (Halifax Co.) boat skid			190 94		190 94
Beaver River, repairs to warping pier	20 00	290.70	1,319 69		1,344 69 399 70
Bluff Head, breakwater		400 03			400 03
Boularderie Centre, wharf			624 96		624 96
Broad Cove Marsh, wharf			111 08		111 08
Canning, whart.			2,340.88		2,340 88
Carr's Brook breakwater.wharf			2,906 00		2,956 55 878 73
Chance Harbour, breakwater			54 60		54 60
Chebogue Beach, protection			149 90		149 90
Chester Basin (Lunenburg Co.)	2,322 75				2,322 75
Chipman brook, breakwater	9 110 70		257 46		257 46 2.110 70
Comeau's Cove, breakwater	2,110 10		141 62		141 62
Cow Bay (Port Morien), breakwater			1,559 82		1,559 82
Cribbin's Point, wharf			1,524 50		1,524 50
D'Escousse, whart.			74 92		74 92
Cribbin's Point, wharf. D'Escousse, wharf. Digby, pier renewals. Eagle Head, b eakwater			1,957 07		1,645 02
Eagle Head, b eakwater East Ferry, breakwater. East Publico, wharf. East Biver (Picton Co ) improvements. East Ship Harbour, wharf. Ecum Secum (Hailfax Co,) wharf. Feltzen South, breakwater-wharf. Finlay Point, wharf.			20 00		20.00
East Pubnico, wharf			398 24		398 24
East River (Pictou Co ) improvements.		140,187 54			140,187 54
Ecom Second (Halifay Co.) wharf		197.91	117 54		$117 54 \\ 127 81$
Feltzen South, breakwater-wharf		121 01	261 07		261 07
Finlay Point, wharf			100 00		261 07     100 00
Beim Seem (Hairise Go) wharf, Frialsy Pion, wharf, Frialsy Pion, wharf, Preport, wharf, Prein's Hend, breakwater approach. Prinis' Hend, breakwater, Frain's Hend, breakwater, Frain's Hend, breakwater, Grand Staro, wharf, Grand Staro, wharf, Half Jahan Core, breakwater,			2,700 07		2,700 07
Frier's Head breakwates			68 03		68 53 1,169 27
Fruids Point wharf		569 23	1,109 2/		569 23
Georgeville, wharf			76 75		76 75
Glace Bay, protection works			243 36		243 36 200 27 104 75
Grand Etang, whart.			200 27		200 27
Half Island Cove breakwater			104 75		600 51
Grand Etang, wharf. Grand Narrows, wharf. Half Islaud Cove, breakwater. Halifax graving dock. Hampton, breakwater reconstruction. Harbouryille, breakwater (bed for ves-		18,545 82	000 01		18,545 82
Hampton, breakwater reconstruction.		1,332 06			
Harbourville, breakwater (bed for ves-		151.00			151.00
Head of Chezzetcook, wharf		151 90			151 90 24 25
Hunts Point, breakwater,		27 23	149 47		149 47
Inverness, harbour improvements	1,500 00	562 80			2,062 80
Iona, wharf			396 90		396 50
Jones Harbour, breakwater			1,354 05		1,354 05
Kelly's Cove, breakwater			292 35		779 16 392 35
Kraut Point, wharf		20 00	002 00		20 00
Harbourville, breakwater (bed for ve- sels) Head of Chezzetoook, wharf. Hunts Point, breakwater Jones Harbour, improvements. Jones Harbour, breakwater Jones Harbour, breakwater Kraut Point, wharf L'Ardoise, breakwater & Have river, Reinhardt. a Bast Middle.			466 19		466 19
East Middle	442 90 708 50				442 90 708 59
· · · East bliddle	108 59				708 59

### 9 GEORGE V, A. 1919

Name of Work.	Dredging.	Construc- tion and Improve- ments.	Repairs.	Staff and Main- tenance.	Total.
HARBOURS AND RIVERS.	\$ cts.	\$ cts.	\$ cts.	8 cts.	8 cts.
Nora Sootia-Continued. Lingan Beach, protection works. Litchfield, breakwater. Little Harbour (Pictou Co.), wharf Liverpool channel					646 22 142 70 892 75
vate hrms	27,052 16		155 22		27,052 16 155 22
Lumenburg. Lumenburg. Minghe Cover, we will. Minghe Cover, we will. Margare horse-use and the second se	30 30 112 0s 570 20 34,765 38	4,789 38	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		$\begin{array}{c} 285 & 76 \\ 89 & 95 \\ 89 & 95 \\ 95 & 96 \\ 956 & 68 \\ 899 & 97 \\ 50 & 91 \\ 62 \\ 899 & 97 \\ 50 & 91 \\ 189 & 97 \\ 50 & 91 \\ 189 & 97 \\ 189 & 97 \\ 189 & 97 \\ 189 & 97 \\ 189 & 97 \\ 189 & 97 \\ 189 & 97 \\ 189 & 97 \\ 189 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 & 97 \\ 180 &$
For the regression of the second seco	2,445 09	64 73 4,676 17 23,000 90		· · · · · · · · · · · · · · · · · · ·	$\begin{matrix} 1,477&47\\112&90\\280&58\\64&76\\812&79\\96&14\\1,925&62\\1,300&00\\871&07\\2,445&00\\4,676&17\\23,000&00\\290&33\\261&81\\44&75\end{matrix}$
South side (Donard's Tread), oreas- water, South Wallace, wharf St. Peter's narrows Summerculle, wharf. Swine's point, wharf. Sydney harbour, south bar, cribwork	8,794-84	30 57 174 80	605 04 656 09 180 90		30 5 605 0- 8,794 8- 174 80 656 09 180 00

Name of Work.	Dredging.	Construc- tion and Iniprove- ments.	Repairs.	Staff and Maintenance	Total.
HARBOURS AND RIVERS.	\$ ets.	8 cts.	8 cts.	8 cta,	8 cts.
Nova Scotia-Concluded.					
Three Fathom harbour, beach, pro- tection works, etc.			810 18		810 18
Tiverton, breakwater.			1,416 28 1,495 70		1,416 28 1,495 70
Vogler's cove, wharf.			125 02		125 02
Vogler's cove, wharf. West Arichat, wharf. West Chezzetcook, breakwater.			566 48		566 48 - 199 65
West Chezzetcook, oleakwater.			198 81		198 81
West Dublin	1,282 54		002 71		1,282 54
West Pubnico (lower), wharf			199 49		208 71 199 49
Weymouth, wharf		101.12	150 65		150 65
White point, breakwater		104 15	254 12		104 13 254 12
Windsor harbour, "Goudge" wharf			449 82		449 82
Yarmouth harbour, improvements	4.596 78	509 12	44 25		200 00 5,150 15
Young's landing, wharf	7.040.07		74 92	0.000 15	74 92
West Chezzetcook, breakwater. West Chezzetcook, wharf West point, wharf West point, wharf West point, wharf West point, wharf West point, breakwater White point, breakwater White point, breakwater Windson Inschorn, 'Goudge' wharf. Windson Inschorn, 'Goudge' wharf Windson Inschorn, 'Goudge' wharf Windson Inschorn, 'Breakwater Windson I	7,009 05			2,052 4,	10,931 52
Totals, Nova Scotia	95,170 45	197,385 05	38,665 06	2,932 47	354,153 03
Prince Edward Island-					
Alberton	1,909 22		179 69		1,909 22 172 62
Bridgetown, (King's Co.)	10,598 39		112 02		10,598 39
Prince Eduard Island – Alberton, M. K. M. Schmann, M. S. Marker, M. S. Sandar, S. S. Sandar, S. S. Sandar, Sandar, Sandar, Sandar, Sandar, Sandar, Sandar,			20 00		20 00 40 00
Grand river, (McPherson's wharf)	1,314 54		40.00		1.314 54
Hickey's wharf			29 75		29 75 295 00
Little Sands, wharf		1,101 41	200 00		1,101 41
Miminigash, breakwater, etc			2,134 70		2,134 70 40 00
Mink river, wharf			118 28		148 28
Mink river, wharf Mount Stewart, wharf Murray harbour, south wharf	8,919-96		16 60		8,936 56
Panmure island, wharf			40 00		40.00
Pinette, pier			73 45		73 45 643 88
Rocky point, wharf	·····	115 11	643 88 115 13		115 11
Rustico, south pier	15,019 16	991 79	115 13		15,134 29 718 48
Panmure usland, whart. Pinette, pier Port Selkirk, pier Rocky pount, whart. Rustico, soutb pier a beach, protection works. Souris harbour, breakwater. Tignish, breakwaters. Weat Point, wharf. Wead island, breakwaters.	400 10		876 36		876 36
Tignish, breakwaters	· · · · · · · · · · · · · · · ·		$1,99379 \\ 6728$		1,993 79 67 28
Wood island, breakwaters Generally			340 42		340 42
Generally	3,999 52			1,630 28	5,629 80-
Totals, Prince Edward Island	42,254 55	1,441 24	7,025 95	1,630 28	52,352 02
New Brunswick-		375 29			071 00
Albert, berth for vessels Anderson's hollow, wharf		010 29			375 29 544 89
Baie du Vin, wharf			10 32		$     \begin{array}{r}       10 & 32 \\       36 & 14     \end{array} $
Bass river, wharf		226 16	36 14		226 16
Bathurst, harbour impts	41,041 50				41.041 50 10.664 93
Anderson a noicow, wharf Baie du Yin, wharf Barker's wharf, (River St. John) Bass river, wharf Batilurst, harbour impts u Tete a gauche Buctonche Burton Court House, wharf Campbellton, wharf	10,004 93				129 99
Burton Court House, wharf	16 846 10		223 50		223 50 18,139 27
campoenton, which	10,040 49		1,292 78		10,100 27

### 9 GEORGE V, A. 1919

Name of Work.	Dredging.	Construc- tion and Improve- ments.	Repairs.	Staff and Maintenance	Total.
HABBOURS AND RIVERS.	8 ets.	\$ cts.	8 cts.	8 cfs.	8 cts
New Brunswick-(Concluded.)			00.05		00.00
Caraquet, wharf Chatham, Middle island	835-49		39 85		39 85 835 49
Chatham, Middle island. Chockfish, breakwater. Church river Dalhousie			139-25		139 25
Church river	3,134 88				3,134 88 497 21
Dipper harbour, break water wharf	404 61		294 11		294 11
Durham, wharf, (Restigouche Co.)			244 03		244 03
Edgett's Landing, wharf Fairhaven, (Deer island), wharf			70 12 64 88		70-12 64-88
Fort Dutterm, breastworks.			9,998 63		9,998-63
		465 09			422 08 465 09
Ford's Mills (Kent Co.). Graedown, what Smhury Co.) Grand Anse, breakwater. Grandigue. Hopewell cape, wharf. Leonarville, wharf Lorneville, wharf approach. Lower Jenses, high water wharf. McLean's Guily, [Kent Co.). Martin & Head, Insectorols.		405 09			405 09 33 97
Grand Anse, breakwater.			1,723 43		1.723 43
Grandigue	1,032 59		9.75		1,032 59 9 75
Leonardville, wharf			150 02		150 02
Lord's cove, wharf			49 95 75 20		49 95
Lorneville, wharf approach.			7 21		75 20 7 21
McLean's Guily, (Kent Co.)	21 65				21 65
Martin's Head, breastworks		597 83	379 60		597 83 379 60
Millerton, wharf			545 01		545 01
Martin s field, oreastworks. Millerton, wharf. Mull's Point, wharf Moulie's river, wharf (Kent Co.). Neguae, wharf. Oak point, wharf Oak point, wharf Oak point, wharf Data South, whatf (Later Threakwater Forderall, wherd (Later St. Later)		421 02			421 02
Neguac, wharf.	4 913 92		1,931 25 19 99		1,931 25 4,331 32
Ouaco(St. Martin's)eastern breakwater	4,011 00	369 85	570 70		931 55
Quaco(St, Martin s)eastern břákwäter Renforth, wharf (River St. John). Richardson, wharf. Richubueto cape, breakwater. River Konchibouguac. River St. Charles			39 66 39 75		39 66
Richardson, wharf.	1 530 67	1,799-57	123 19		39 75
River Kouchibouguac.	454 00				454 00
River Konchibouguac. River St. Charles. River St. John, removal of snags	481 06 1,983 00				431 06 1.983 00
River St. John, removal of snags Rothesay, wharf.	1,983-00		49 63		49 63
St. Andrews, Market wharf			541 26		541 26
St. John harbour improvements:-	48,953 80				48,953 80
Channel	179,444 04	102,369 10			281,813 14
Negro point, breakwater			1,777 91		1,777 91
Partridge isld, quarantine sta., deep water wharf		1.288.98			1,288,98
St. John West, piers, sheds, etc	28,857 38	132.144 45	24,884 56		185,886-39
St. Nicholas river, wharf			735 02 30 75		1,094 54 30 75
Scotchtown, wharf Scal cove, west breakwater			30 75		33 00
Shediac, wharf			78 59		78 59
	00 074 10	1,895 59	3,672 24		3,672 21 31,170 48
Shippegan, wharf	29,214-69				483 55
Tracadie beach, breastworks.			403 50		403 50
Tynemouth creek, breakwater		1,524 29	30 61		1,524 29 30 61
Webshpool, wharf			185 34		185 34
Generally	8,170-50			2,770 91	10,941 41
Totals, New Brunswick	378,096 48	243,861 51	51,529 17	2,779.91	676,258 07

Name of Work. Dredging. Construc- tion and Improve- Maintenance	
ments.	Total.
HARBOURS AND RIVERS. \$ cts. \$ cts. 8 cts.	8 ets
Quebeo-	
Anse a Beaufils, wharf	45 00
Anse al Lau (ladousac), woari.	6 00 568 63
Anse aux Griffons, piers	1,499 78
Anse St. Jean, wharf	50 77
Quetzer         Damois burdt         O tas         O tas         O tas         O tas         O tas         O tas           Ames and Scass, wharf.	1,270 54
Rarachois de Malbaie, training pier	1,198 96
Batiscan, upstream channel	5,095 14
Berbierville, wharf. 206 14	859 80 206 14
Berthier en bas, wharf 994 40	994 40 73 35
Bic harbour, wharf at Pointe & Cote	73 35
Brewer's creek (Labelle), landing float	468 13
Buckingham (Lalelle), landing float	$     12 \ 00 \\     95 \ 58 $
Cabano, wharf	200 65 154 70 168 54
Cap Chat, pier	168 54
Cap de la Madeleine, wharf	50 00
Cap St. Ignace, wbarf	145 15
Caugbnawaga	1,549 91
Less, work done for pri-	
vate firm	8,370 12
Cascades rapids, auchor pier, reconst	1,360 31
Champlain, wharf 26 00	26 00
Chicoutimi, channel	2,932 17 2,750 14
Clark City, wharf reconstruction.	4,155 44
Contrecoeur, wharf	4,090 71
Cross point, wharf	767 65 2,409 82
Dodd's landing (Labelle), float	7 50
Doucet's landing 1,012 00	1,012 00
Bouglastown, wharf. 271 82	$271 82 \\ 400 67$
Father Point, wharf	1,051 68
Fort William, wharf, Ottawa river	51 13
Georgeville wharf	1,244 52 69 60
Glen Almond (Labelle), landing float	12 00
Graham, wharf	3,553 31
Grenville 401 46	$ \begin{array}{r} 151 \\ 401 \\ 46 \end{array} $
Grande Vallee, wharf 16 00	16 00
Grindstone (Magdalen islands), break- water	3 005 15
water	1,665 47 53 27
Grosse Isle, (Quarantine station) East-	16 00
ern wharf	2,373 19
Grosse Isle, (Quar. station) Western	
wharf	1,783 71 499 68
wharf. 1,783 71 Grosses Roches, removal of boulders. 499 68 High Falls (Labelle Co.) landing float. 50 75	499 68 50 75
Hospital Bay (Magdalen islands),	
breakwater. 148 35 Hudson, wharf, reconstruction	148 35 4,799 91
High Falls (Labelle Co.) landing float.         50 7.5           Hopital Bay, (Magdalen islando), brakwater         148 35           Hudlaw, wharf, reconstruction.         4, 799 91           Hull, wharf,         167 57           He aux Coafers, wharf.         474 15	4,799 91 213 07
Ile aux Coudres, wharf	474 15

### 9 GEORGE V, A. 1919

Name of Work.	Dredging.	Construc- tion and Improve- ments.	Repairs.	Staff and Maintenance	Total.
HARBOURS AND RIVERS.	8 cts.	8 cts.	8 ets.	\$ cts.	8 cts.
Quebec-Continued.					
Quece - Continued. Ile aux Foins. Ile Perrot, North, wharf Ile Verte-Notre-Dame des Sept Dou- leurs wharf	10,944-80		1,627 24		10,944 80 1,627 24
leurs, wharf.		199-85			199 85
leurs, wharf. Ile Verte Villsge, wharf. Kamouraska, wharf. Lacolle, wharf Lake St. Louis Laprairie, protection works.			2,465 58		2,465 58 12 50
Lacolle, wharf			2,887 80		2,887 80
Lake St. Louis	19,584 27				
Lake St. Louis Lake St. Louis Law St. Louis and St. Law String, protection Ticker, flux as the protection Ticker, handling flux as the string of the string of the string flux as the string of the string of the string Law St. Louis and St. Law St.		147,602 00			147,602 00
float .	1,074 15		6.00		1,080 15
Lauzon-"Champlain" dry dock		953,670 81		00 010 00	953,670 81 28,318 30
Lauzon- Lorne dry dock				28, 518 30	28,318 30
Levis, deep water wharf		560 00		1,507 11	
Long Rapids, Riv. du Lievre	2,279 28				2,279 28 45,407 05
Lotbinière, wharf			1,109 98		1,109 98
Magog, wharf			91 41		91 41 902 70 914 39
Masson, wharf			814 33		814 33
Megantic, wharf			56 01		156-01
Mussion Point	10,410 76	273 04			10,410 76 273 04
Montreal, dry dock				105,000 00	105,000 00
Murray Bay, wharf			202 69		202 69 907 82
Newport, breakwater		4,703.70	107 82		907 82 4,703 70
Papineauville, wharf	301 28		64-96		366 24
Phillipsburg, wharf reconstruction		2,007 28	108 20		2,007 28 108 30
Pointe a Brousseau, wharf			228 99		228 99
Pointe à Elie, breakwater (Magdalen					
Pointe aux Femimaux, wharf			129 34		129 34 22 39
Pointe aux Trenibles (Portneuf Co.),			22 01		
wharf				150 00	719 94 150 00
Pointe Claire, wharf Pointe Fortune, wharf Pointe Piche Timiskaming), wharf.			10.00	150 00	10 00
Pointe Piche   Timiskaming), wharf.				40 00	40 00
Pointe Shea (Magdalen islands), wharf.			1,298 75 603 29		1,298 75 603 29
Pointe St. Pierre, breakwater. Poltimore (Roy. du Lievre), landing					
float Poupore (Riv. du Lievre) Quebec Harbour (Riv. St. Charles),	6, 292, 60		26 50		26 50
Ouches Harlour (Riv. St. Charles)	6,292 60				6,292 60
improvements to navigation		137,357 18			137,357 18
Repentigny, wharf		59,228 04	10 00		10 00 59,228 04
Rimouski, maroour improvements Rimouski, wharf		00,226 04	195 57	1,222 81	1.418 38
Rimouski, wharf Riv, aux Renards, wharf			175 00		175 00
Riv Bonaventure, training pier Riviere des Vases (Temisconata Co.),		10 00			10 00
Rivere du Lievre, lock Rivere du Lievre, lock Riviere Gatmeau, baok protection Riviere Ouareau, ice broaker.			999-50		999-50
Rivere du Lievre, lock			15 00	5,938-70	5,938 70 15 00
Riviere Ouareau, ice breaker.			1,379 99		1.379.99
Riviere Ouene, what		5,503 69			5,503 69
Riviere St. Louis Riviere St. Maurice	517 96				517 96 10,502 86
	32,254 16	4908 38			32,752 54 211 90
Roberval, wharf St. Alexis, wharf			211 90 2.916 25		211 90 2,916 25
St. Alexis, what			2,916 20		2,916 25

Name of Work.	Dredging.	Construc- tion and Improve- ments.	Repairs.	Staff and Maintenance	Total.
HARBOURS AND RIVERS,	8 cts.	8 cts.	8 cts.	8 cts.	8 cts.
Quebec-Concluded.					
St. Alphonse (Chicoutimi Co.), Wharf	5,212 03		706 14		5,918 17
St. Andre de Kamouraska, wharf			1,178 85 132 75		1,178 85 132 75
Ste Anne de Beaupre, wharf			674 68		
Ste. Anne de Bellevue	90.00				90.00
Ste. Anne des Monts, landing pier, etc.		7.546 15	2,760 24		7,546 15 2,760 24
(2) Set - information: Construction of the state of th		1 142 43	2,700 24		1,142 43
St. Charles de Richelieu, wharf		1,110 10	287 77		287 77
St. Denis de Richelieu, wharf			149 98		149 98
St. Eloi (Teniscouata Co.), wharf			155 40 16 00		155 40 16 00
Ste. Famille (Ile d'Orleans), wharf			193 38		193 38
Ste. Felicite, wharf			599 13		599 13
St. François (Ile d'Orleans, south side).			134 20		134 20
St Eulgence wharf	1 9 18 89		280 95		2,229 77
Ste. Genevieve de Batiscan, approach	1,010 02		200 10		
to wharf		219 90			219 90
St. Gregoire de Montmorency, revet-		921 10			231 18
St. Ignace de Lovola, dykes		201 10	660 51		660 51
St. Irenee les Bains, wharf			588 22		588 22
St. Jean des Chaillons, wharf			631 29	12 05	631 29 126 33
St. Jean (He d'Orleans), whart			$\begin{array}{r} 660 51 \\ 588 22 \\ 631 29 \\ 114 28 \\ 1,801 69 \end{array}$	12 05	126 33
to what St. Gragoir de Montmorency, revet- ment wall. St. Dragoir de Loyde, dytes. St. Frence le Hann, wharf. St. Jean (de Orleans), wharf. St. Jean (de Orleans), wharf. St. John ico pier, etc. St. John ico pier, etc. St. John ico pier, etc. St. Jaurent II de Orleans), wharf. St. Jaurent whatf.		739 47	18 80	28 80	787 07
St. Laurent (Ile d'Orleans), wharf			1,852 25	105 93	1,958 18
St. Majorique, wharf St. Mathias, wharf			400 88	15 00	400 88 15 00
St. Matnias, wharf.			300 70	15 00	300 70
St. Michel de Bellechasse, wharf			1,599 67		1.599 67
St. Ours, wharf.		50 08			50 08 777 56
St. Faul, He aux Noix, wharf			37 20		37 20
St. Roch de Richelieu, wharf		952 15	01 20		952 15
St. Simeon, wharf			95 14		95 14
St. Ulric, wharf		0.020.14	1,200 00		1,200 00 2,039 14
Sabrevois, wharf		2,039 14	1 481 39		1,481 39
Seven Islands wharf, derrick		280 95			280 95
Sorel deep water wharf		7 00			7 00
Trois Lacs (Megantic Co.), wharf ap-			88.30		96.88
38. Matting, wharf, 38. Matting, wharf, 39. Matting, wharf, 30. Mathematical and an analysis, wharf, 38. Paul, The aux Noise, wharf, 38. Simono, whatf, 38. Simono, whatf, 38. Simono, whatf, 38. Simono, whatf, 38. Simono, Simono, Simono, Simono, 70. Simono, Simono, Simono, Simono, 70. Simono, Simono, Simono, Simono, 70. Simono, Simono, Simono, Simono, 70. Simono, Simono, Simono, 70. Simono, Simono, Simono, 70. Simono, Simono, 70. Simo			999 37		999 37
Varennes, protection work		1,232 81			1,232 81
Wohum what			74 75		74 75 195 50
Yamachiche, landing			40 00		40 00
Yamaska, lock and dam			671 15	1,951 73	2,622 88
Generally	12,374 08			36,807 79	49,181 87
Totals, Quebec	181,714 37	1,343,338 47	61,745 84	182,569 31	1,769,367 99
Ontario-					
Abram's Chute (Kenora dist ) remov-					
al of boulders		486 90			486 90
Bayfield niers			1 956 44	22 50	22 50 1,356 44
Beaumaris, wharf.			1,356 44 75 38		75 38
Belleville, wharf, (shed)		200 00			200 00
Bayfield, wharf. Beaumaris, wharf. Belleville, wharf, (shed) Big Bay Pont, wharf. Bobcaygeon, floating wharf.			719 62	7 50	719 62 7 50
19-8				1 50	1 50
10-0					

### 9 GEORGE V, A. 1919

Name of Work.	Dredging.	Construc- tion and Improve- ments.	Repairs.	Staff and Mainten- ance.	Total.
(HABBOURS AND RIVERS-Continued).	\$ cts.	8 cts.	\$ cts.	* ets.	8 ets.
Onforce-Centineed.  Onforce-Centineed.  Branck piers  Branck piers  Branck piers  Branck piers  Branck piers  Branck piers  Burlington Channel, piers  Collingt, sast pier  Burlington Channel, piers  Collingt, sast pier  Collingt, sast pier  Burlington Channel, piers  Collingt, sast pier  Burlington, sast pier  Burlin	18,056 10 8,039 91 3,711 18 310 33 163,913 04 12,877 96	546 40 10,441 59 99 55 62,854 67	$\begin{array}{c} 3,322\ 83\\ 169\ 06\\ 1,047\ 38\\ 169\ 06\\ 183\ 68\\ 1,050\ 00\\ \end{array}$	5,855 03	$\begin{array}{c} 3,322 \\ 100 \\ 061 \\ 1,077 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 360 \\ 3$
Less, work done for private firms	6,675 14				6,675 14
Kingston furth Kingston furth (bef, seventment walls, harbour, improvements, legentling, income and the legentling on what Legentling on what Legentling on what Miniski, what what Miniski, what	6,260 75	45,011 98	$\begin{array}{c} 2,195\ 68\\ 8,732\ 11\\ 198\ 29\\ 119\ 22\\ 951\ 05\\ 199\ 17\\ 607\ 99\\ 1,219\ 68\\ 3,996\ 79\\ 539\ 05\\ 1,679\ 33\\ 850\ 02\\ 598\ 59\\ \end{array}$	20 00 180 00 2,633 99 12 07	$\begin{array}{c} 180\ 000\\ 8,456\ 43\\ 8,732\ 111\\ 45,011\ 93\\ 119\ 829\\ 119\ 22\\ 951\ 05\\ 199\ 17\\ 607\ 99\\ 22,930\ 79\\ 22,930\ 79\\ 22,930\ 79\\ 22,930\ 79\\ 22,930\ 79\\ 18\ 20\\ 2,033\ 99\\ 19\\ 20,033\ 99\\ 639\ 99\\ 1,219\ 68\\ 3,996\ 79\\ 539\ 67\\ 90\\ 539\ 67\\ 20\\ 20\\ 20\\ 20\\ 20\\ 20\\ 20\\ 20\\ 20\\ 20$
Picnic Islands (Georgian Bay), im- provements. Port Arthur, dry dock harbour improvements. Port Gibrene, west breakwater est breakwater. Port Honge harbour, piers. Port Maitland. Port Maitland.	38,689-58 19,148-99	40,353 40	1,910 83	35,641 50	3,830 $3535,641$ $5079,042$ $9821,059$ $82$

-					
Name of Work	Dredging.	Construc- tion and Improve- ments.	Repairs.	Staff and Mainten- ance.	Total.
HARBOURS AND RIVERS.	\$ cts.	8 ets.	\$ cts	\$ cts.	\$ cts.
Ontario-Concluded. Port Stanley harbour im- provements		55,081 98	100.05		71,440 62
firms					
Rainy River, protection works River Thames, removal of boulders, at					719 96
mouth Robin's Landing, wharf. Rondeau Harbour, erosion in harbour			3,698-39	25 00	$     \begin{array}{r}       11 25 \\       25 00 \\       8,486 01     \end{array} $
Rondeau Harbeur, erosion in narkou bar, piere, etc. Ca, wharf. St. Joseph Illuron Ca, wharf. St. Scorp Mik. Narrow, however, ernbe Shrew Mik. Narrow, however, ernbe Shrewbury, pier. Stilver Centre, wharf. Torbury, wharf. Torbury, wharf. Toronoury, wharf. Toronoury, wharf.		1,140 72	$\begin{array}{r} 400 & 00\\ 505 & 30\\ 109 & 76\\ 187 & 95\\ 1,030 & 66\\ 2,987 & 56\\ 213 & 73\\ 737 & 01\end{array}$		$\begin{array}{r} 400 & 00 \\ 1,646 & 02 \\ 109 & 76 \\ 187 & 95 \\ 1,030 & 66 \\ 2,987 & 56 \\ 213 & 73 \\ 737 & 01 \\ 136 & 61 \end{array}$
Toronto Harlour Improvements- Canadian-Stewart contract Fisherman's Idd (new building) Queen's wharf Wendover, wharf Wheatley, wharf Windson, dock. Generally	7,080 22	875, 586 54 745 07 3, 457 20 664 42		50 00 1,200 00 14,859 58	745 07
Totals, Ontario	339,502 40	1,116,007 15	74,538 86	84,852 74	1,614,901 15
Manitoba— Arnes, wharf Assiniboine river, protection work Big George island. Giunli (Lake Winnipeg), wharf Ginli protection work.	2,977 38	1,5:/8 45	1, 218 24		1,218 24 1,598 45 2,977 38 519 60
work. Hnausa (Lake Winnipeg), wharf. Killarney dam. Little Pembina river, diversion into	1,077 56		$\begin{array}{c} 689 & 26 \\ 1, 260 & 63 \\ 34 & 44 \end{array}$		
Pelican lake Minette, wharf. Red River, dredging at mouth. Park Point, Grescent isid. Sugar jaland. The Foreka. St. Andrews rapids, lock and dam. Selkirk shipyard, including arrays of	$\begin{array}{c} 11,520 & 09 \\ 7,839 & 39 \\ 1,029 & 95 \\ 10,457 & 79 \end{array}$	125 00 12 87	300 00		125 00 12 87 11,520 09 7,839 39 1,029 93
Selkirk, slough. Generally.	717 11	7,347 33	•••••	3,512 21 3,186 52	11,576 $6510,632$ $514,396$ $12$
Totals, Manitoba	47,461 36	9,083 65	4,022 17	20,888 50	81,455 68
Saskatchewon and Alberta	822 50			2,041 27	2,863 77
Totals, Saskatchewan & Alberta	822 50			2,041 27	2,863 77

### 9 GEORGE V, A. 1919

Name of Work.	Dredging.	Construction and Improve- ments,	Repairs	Staff and Maintenance	Total.
HABBOURS AND RIVERS.	ș cts.	\$ cts.	8 ets.	8 cts.	8 cts.
Berital Volumbin. Arnoverth, Ward (. Arnoverth, Ward (. Arnoverth, Ward (. Arnoverth, Ward (. Berital), Stational (. Berital), Stational (. Berital), Stational (. Berital), Stational (. Berital), Stational (. Campbell Tevre, Ward (. Deves Island (.) Deves Island (.) De	4,418 28 1,817 89 5,402 85 6,725 67 1,591 51	484.57	$\begin{array}{c} 50 & 47 \\ 8 & 85 \\ 100 & 00 \\ 241 & 59 \\ 133 & 67 \\ 1,847 & 18 \\ 224 & 07 \\ 1,847 & 18 \\ 224 & 07 \\ 554 & 32 \\ 225 & 00 \\ 433 & 00 \\ 89 & 89 \\ 475 & 32 \\ 251 & 75 \\ 154 & 12 \\ 8 & 85 \\ 8 & 85 \\ \end{array}$	17,719 46	$\begin{array}{c} 59 \ 47 \\ 8 \ 85 \\ 100 \ 00 \\ 241 \ 56 \\ 141 \ 56 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \\ 141 \ 58 \ 58 \\ 141 \ 58 \ 58 \\ 141 \ 58 \ 58 \\ 141 \ 58 \ 58 \\ 141 \ 58 \ 58 \\ 141 \ 58 \ 58 \ 58 \\ 141 \ 58 \ 58 \ 58 \ 58 \ 58 \ 58 \ 58 \ 5$
Friser river improvements - Annieville bar. Chilliwack, rem, of snags at Grey-					4,129 41
ell's slough		255 05 2,984 54 199 88 1,262 47 8,459 93 2,439 33		19,362 15	$\begin{array}{c} 255 & 05 \\ 5,325 & 92 \\ 199 & 88 \\ 19,004 & 41 \\ 66,505 & 09 \\ 19,362 & 15 \\ 1,262 & 47 \\ 8,459 & 97 \\ 8,457 & 84 \\ 200 & 03 \end{array}$
Grace harbour, float	2,850 39	103 92	476 41 8 85 34 32 50 00 282 22 78 69 564 14 3,242 50		$\begin{array}{r} 476 & 41 \\ 2,350 & 39 \\ 8 & 85 \\ 31 & 32 \\ 50 & 00 \\ 103 & 92 \\ 382 & 22 \\ 78 & 69 \\ 564 & 14 \\ 3,242 & 50 \end{array}$
Biorre wing danse	7,393 15 2.269 50	390 41	a,242 500 19 15 512 00 265 62 136 32 62 85 71 14		$\begin{array}{c} 19 \ 15 \\ 512 \ 00 \\ 265 \ 62 \\ 7,393 \ 15 \\ 136 \ 32 \\ 2,269 \ 50 \\ 62 \ 85 \\ 71 \ 14 \\ 390 \ 44 \end{array}$
McKay's, landing Matsqui wharf. wingdam No 1 Metchosin, wharf.			$\begin{array}{cccc} 139 & 40 \\ 102 & 02 \\ 641 & 20 \\ 787 & 01 \end{array}$		$     \begin{array}{r}       139 & 40 \\       102 & 02 \\       641 & 20 \\       787 & 04     \end{array} $

Name of Work.	Dredging. Construction Improve- ments.		Repairs.	Staff and Main- teaance.	Total.	
HARBOURS & RIVERS.	\$ cts.	8 cts.	\$ cts.	8 cts.	8 cts.	
British Columbia-Continued.						
British Columbia—Continued. Mirror lake, wharf Mount Lehman, wharf Nasariwen Sanaimo harbour, impte Nasariwen Wewthinstep back Wewthinstep back Brunche asaw mills			335 34		335 34	
Mission, wharf			100 50		100 50	
Mount Lehman, wharf			200 33		2/10 33	
Naas river	5,224 50				5,224 50	
Nanaimo harbour, impts	39,469 24				39,469 24	
Needles, wharr approach	921 19		49 96		49 96 234 12	
Brunette saw mille	1 979 89				1.372 82	
Heaps engineering works	3,875,08				3.875 08	
Nitinat	3,650 80				3,650 80	
Nootka island, wharf			2,489 00		2,489,00	
Namine harborr, hopts Needles, what approach Bruncts awa mills Mego engineering works Notes and the second second second Octangua rever, inprovements. Poet Counting and Second Second Second Poet Counters (Assention), what Poet Counters (Assention), what Port Clements (Assention), what Port of the second second second second Port of the second second second second second Port of the second second second second second Port of the second second second second second second Ports Report previous dock (mp.). Prince Report previous dock (m	7,157 88	1,332 34			8,489 42	
Pender harbour, float			7 60		7 60	
Port Coquitiani	5,110 18		*****		5,110 18	
Port Clements (Queenston), Wharf			1,596 56		1,596 56	
Powell River wharf			241 99		$ \begin{array}{r} 241 & 99 \\ 998 & 46 \end{array} $	
Prince Rupert graving dock (insp.)			3:13 40	9 522 26	2,533 36	
" " guarantine station, wharf			2.000 00	2,000 00	2,000 00	
Pritchard (Shusway lake), wharf		15 60			15 60	
Quatsino, wharf			4.3:6 20		4.3 6 20	
Renata, wharf			[*] 39 75		39 75	
Riverside, wharf			309 70		309 70	
Revelstoke, mattresses		1,995 57			1,995 57	
" extension to wing dam.		59 84	405.00			
Roder Point wharf			940 50		495 96 349 52	
Roy, float			8.85			
Safety Cove, wharf			32 00			
tenata, want Revelatok, mat wetanis, mat Robert Orek, what Robert Orek, what Robert Orek, what Sapperton, what			814 42		814 42	
Savary Island, wharf			248 50		248 50	
Sidney Island, wharf	112212.2.1.		1,246 50		1,246 50	
Skeena river	11,803 48				11,803 48	
Smith's Landing (Cortez Island) noat.			10 00		10 00	
Sousmish	4 199 41		10 00		16 00 4,129 41	
Stave river	1.755 41				1,755 40	
Spinitala, doat. Spaaniah. State river U clubes, wharf. U clubes, wharf. U ulob Bay, wharf. U vancouver, bried Narrowe. "Harbour in provenents. "Harbour in provenents. "Eachta shoal Vare in tarchart			51 00		51 00	
Ucluet, wharf			580 00		580 05	
Union Bay, wharf			6,688 25		6,688 20	
Vancouver, False Creek	1,121 70				1,121 78	
H First Narrows	59,264 48	C 715 08	1 000 10		59,264 44	
Barthia sheel	55 191 46	0,515 35	1,092 18		8,435 96 55,181 40	
Vargas island wharf	55, 101 10		10.00		10 00	
Victoria harbour			10 00		10 00	
Less, work done for private						
firms 1,389 51		1,370,005 04			1,489,821 77	
Less, work done for private firms	119,816 73					
West Demars, wharf.			194 63		194 63	
William's Hoad guampting station		9 171	298 71		298 71	
Willow Point float		0,4/1 14	1.10 97		0,471 44	
Generally	2,492,15		149 21	8 749 51	11 941 66	
				01740 01	14,241 00	
Totals, British Columbia	455,466 92	1,399,966 31	41,867 16	48,364 48	1,945,664 87	

### 9 GEORGE V, A. 1919

Name of Work.		Dredging.		Construction and Jmprove- ments.		Repairs.		Staff and Main- tenance.		Total.	
HABBOURS AND RIVERS.	9	cts.	8	cts.	8	cts	8	cts.	8	cts.	
Yukon Territory Yukon river, improvements to naviga- tion			4,27	2 45			<u></u>			272 43	
Generally - General expenses of staff, etc							10,32			329 67 016 65	
Test borings for sundry projected works			9,58							588 26	
Totals, Harbours and Rivers generally			9.58	8 26			394,34	6 32	403,9	934 58	
Dredging Plant- Ontario and Quebec			21,98	0 42	30,35	9 10			52,3	388 52	
Total, Dredging Plant			21,98	9 43	30,35	9 10			52,5	88 52	

Name of Work.	Construction and Improve- ments.	Repairs.	Staff and Main- tenance.	Total.
SLIDES AND BOOMS.	\$ cta	S cts	S cts.	S ets.
River Sagrenny	542 49 75 85 2,999 97	1,451 28 1,779 58 1,831 09 5,853 05 841 64 5,860 70	9,027 51 600 00 28,134 16 204 98 5,656 76	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Totals, slides and booms ROADS AND BRIDGES.	3,618 31	17,617 34	43,623 71	64,850-36
Quelec and Ontario- Bryson bridge Chapsan bridge Des Joachims bridge Matapelia road Tet Brook bridge Ottawa City bridge and streets maintained by government		595 41 363 13 94 05 118 95 399 03		
göverniens- Chaudere bridge, Laurier bridge, etc Connaight Place and Wellington street Minaki, sing alf way York bridge (Grand river) Alerta-		5,031 19  370 52	9,091 80 1,794 75	5,031 19 9,094 80 1,794 75 1 00 370 52
Banff, old bridge Educenton bridge		436 72 697 86		$\begin{array}{c} 436 & 72 \\ 697 & 86 \end{array}$
Totals, roads and bridges	1 00	8,103 86	10,886-55	18,991 41

Name of Work.	Construc- tion.	Repairs.	Staff and Maintenance	Total.	
TELEGRAPH LINES.	8 cts.	\$ cts.	8 cts.	\$ cts.	
Newfoundland- Cape Ray (subsidy)			250 00	250 00	
Maritume Provinces— Bay of Fundy lines. Cape Breton lines Escuminac line Prince Edward Island, cable and mainland		4,504 55 2 07	3,107 45 32,747 64 2,166 71 13,893 32	3,107 45 37,252 19 2,168 78 13,893 32	
Quebec Mainland — Father Point (subsidy) North Shore, Kast of Bersimis "West of Bersimis Dorchester County, Ines. Quebec County, Ines. Timiskaming, Ines.			750 00 28,674 68 21,193 03 5,244 56 3,288 92	$750 \ 00$ 28, 674 68 21, 193 03 3, 699 88 7, 616 81 3, 288 92	
Quebee Island – Anticosti system. Cable ship '' Tyrian' Grosse Isles, Isle aux Coudres & Island of Orleans system. Magdalen islande system. Martiume Provinces and Gulf generally.		   	9,267 02 57,236 75	9,267 02 57,236 75 6,862 76 5,148 60 2,741 16	
Ontario- Pelee Island cable			1,574 42	1,574 42	
Saskatchewan Lines	2,662 88	7,373 33	51,822 05	61,858 26	
Alberta Lines	1,559 29	3,093 14	74,944 41	79,596 84	
British Columbia and Yukon— Asheroft Dawson system. British Columbia, mainland system. British Columbia, Vancouver island system. Télegraph service generally.	7,574 41	19,176 97	219,068 55 59,311 36 98,761 90 703 12	219,742 85 86,062 74 98,761 90 703 12	
Totals, Telegraph Lines	18,543 01	34,150 06	698,758 41	751,451 48	

### 9 GEORGE V, A. 1919

Name of Work.	Construc- tion and Improve- ments.	Repairs.	Staff and Maintenance	Total.	
MISCELLANEOUS.	8 cts	8 cts.	\$ cts.	8 cts.	
Manitoba			15,597 77 24,297 85 11,265 72 992 44		
Saskatchewan and Alberta. British Columbia Generally. Upper Ottawa Storage Dams:- Brodeur's Township	328 61		1,656 26 8,824 25 2,008 00	64,642-29	
Kippewa dam Latulippe township Metering flow Quinze dam Timiskaming dan	531 00 15,574 58 30,027 36 17,296 81 42,185 03				
Generally Accounts Branch: -Salaries and travelling expenses of agents, clerks &c of outside service	28,796 51		20,134 01 5,137 89	134,739 90 20,134 01 5,137 89	
Georgian Bay Ship Canal Commission. Gratuities to widows or other representatives of 32 deceased employees, under Civil Service amend- ment Act. Sec. 41. Compassionate allowance to the widow of the late R.			5,901 36	5,901 36	
J. Barnhart of C.G.S. "Cingalee" Compassionate allowance to the widow of the late C. Gee of C.G.S. "Petrel".			2,000 00	2,000 00	
Compassionate allowances to the widows or other representatives of the late members of the crew of Dredge No. 6 wrecked on 17th January, 1917 Gratuity to Onesine Chaver permanently injured			17,000 00	17,000 00	
while working on Tuniskaming dam Paid Robert Dunbar for reporting proceedings at Coroner's Inquest re fire of Parliament Buildings.			500 00 74 40	500-00 74-40	
Legal services re cases before International Joint Commission Monument to His late Majesty King Edward VII	2,702 61		3,371 09	$3,371 09 \\ 2,702 61 \\ 40,970 87$	
Operation and maintenance of inspection boats River gauging and metering War Appropriation:-Salaries in connection with Military Service.			40,970-87 26,842-29 92,987-89	40,970 87 26,842 29 92,987 89	
Totals, Miscellaneous			281,562 09	419,004 60	

### SESSIONAL PAPER No. 19

### AMOUNTS expended by the Department of Public Works of Canada during the fiscal year ended March 31, 1918-Concluded.

Recapitulation.	Dredgir	ıg.		onstruc and prover		Repair	rs.	Staff Mainte		Total.	
Totala Public Buildings— Nova Sotia Prine Edward Island. New Brussick. Ottawa building Ottawa building Ottawa building Sakatchewan Allerta Public Buildings constally. Tylkon Territory. Public Buildings constally. Nova Sotia hand Prine Edward Island Prine Island	95, 17 42, 22 378, 06 181, 77 339, 55 47, 44 85 455, 44 9, 55	0 455 66 48 4 37 12 40 11 36 6 92 8 26 92 8 26	1 1 1	3,7 5,4 231,9,8 69,0 29,3 237,3 38,3 7,5 197,3 1,4 243,8 343,3 116,00 9,00 4,2 21,90 3,6 18,5	737256686 868686 845345684 8453456439 85055841244 8505841244 81511288365 8365531284 72,455368410 89421100 89421100 894211000 893010000 8930100000000000000000000000000000000000	25, 8 3, 1 9, 9 53, 2 522, 1 35, 3 14, 1 13, 8 9, 3 16, 4  58, 6 7, 0, 0 51, 5 61, 7 74, 5 4, 0  41, 8  30, 3 17, 6 8, 10  30, 30  30, 30  31, 32  31, 35  31, 55  31, 50  31, 50 5	4258 22467127 48492184 650625917 4584622917 45846 22917 45846 22917 45846 22917 45846 22917 45846 22917 45846 22917 45846 22917 45846 22917 45846 22917 45846 22917 45846 22917 45846 22917 45846 22917 45846 22917 45846 22917 45846 22917 45846 22917 45846 22917 45846 22917 45846 22917 45846 22910 45866 22910 45866 22910 45866 22910 45866 22910 45866 22000 45866 22000 45866 45866 45900 45866 45900 45866 45000 45866 45000 45866 45000 45866 45000 45866 45000 45866 45000 45866 45000 456700 456700 456700 456700 456700 456700 4567000 456700 4567000 4567000 45670000 4567000000 4567000000000000000000000000000000000000	90, 15, 72, 404, 996, 313, 126, 74, 141, 40, 79, 2, 182, 84, 20, 2, 182, 84, 43, 394, 	cbs. 688 38 232 54 138 08 740 71 241 54 138 08 740 71 241 54 138 08 740 71 241 54 138 08 740 71 74 79 965 51 945 96 513 00 0006 17 512 33 932 47 513 00 0006 17 512 33 932 47 852 74 888 50 859 31 852 74 888 50 845 75 841 50 859 31 852 74 888 50 859 31 852 74 855 75 855 755	$\begin{array}{c} \$\\ 129,17\\ 122,110\\ 649,94\\ 649,94\\ 3,277,40\\ 628,46\\ 209,46\\ 350,57\\ 118,22\\ 85,46\\ 40,00\\ 87,02\\ 354,18\\ 81,45\\ 676,25\\ 40,00\\ 87,02\\ 354,18\\ 194,56\\ 61,25\\ 64,85\\ 1,945,66\\ 18,99\\ 751,46\\ 44,85\\ 18,99\\ 751,46\\ 18,99\\ 751,46\\ 18,99\\ 751,46\\ 18,99\\ 751,46\\ 18,99\\ 751,46\\ 18,99\\ 751,46\\ 18,99\\ 751,46\\ 18,99\\ 751,46\\ 18,99\\ 751,46\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99\\ 18,99$	$\begin{smallmatrix} 8 & 64 \\ 0 & 99 \\ 0 & 99 \\ 1 & 68 \\ 0 & 0 & 98 \\ 1 & 8 \\ 8 & 88 \\ 1 & 8 \\ 8 & 88 \\ 9 & 237 \\ 6 & 2 \\ 3 & 207 \\ 1 & 56 \\ 8 & 71 \\ 1 & 56 \\ 8 & 71 \\ 1 & 56 \\ 8 & 71 \\ 1 & 56 \\ 8 & 52 \\ 6 & 91 \\ 4 & 1 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48 \\ 1 & 48$
Grand totals of expenditure	1,550,07	7 29	7	171,8	5 96	1,093,0	54 99	4,240,	269 46	14,055,20	7 70

LEASES.
AND
DEEDS
ACTS,
CONTR.

# By J. A. CHASSÉ, LAW CLERK.

STATEMENT No. 1. - Contracts let by the Department of Public Works of Canada, from April 1, 1917, to March 31, 1918.

		9 GEORGE V, A. 1919
Attount.	∞ 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1	Chit prizes. 249, 624 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Date of Contract.		March 19, 1918 March 27, 1918
Names of Contractors.	Y. A. Falanov K. A. Falanov G. H. Davids G. H. Davids G. P. Parros T. R. Vischmand A. N. Wituma Science A. N. Wituma Science Determined Conf. Computer Determined Conf. Computer Determined Conf. Computer Host Market Science Determined Conf. Computer Host Market Science Host Market Science Host Market Science Host Market Science Host Market Science Host Market Science Host Market Science Market Science Mark	A Contrast & Congray The Analysis of the Analysis of the Analysis of the prices The Analysis of the A Congray (Eq. ). March II, 1000 Unit prices (L. Links of Congray (C. Links of Congray (C. ). C. Links of Congray (C. ). March S. (C. ). C. Links of Congray (C. ). March S. (C. ). March S
Worke.	Joid protein — [10] 10] 10] 10] 10] 10] 10] 10]	A second se

Dr. Bagdalasistiss Biblin Salatiss Dennis Carl Company Dennis Carl Company Dennis Carl Company Dennis Carl Company Dennis Carl Company Dennis Carl Carl Dennis Carl Carl Dennis Carl Carl Dennis Carl Carl Dennis Carl Carl Dennis Carl Carl Carl Dennis Carl Carl Carl Dennis Carl Carl Carl Dennis Carl Carl Carl Carl Dennis Carl Carl Carl Carl Dennis Carl Carl Carl Carl Carl Dennis Carl Carl Carl Carl Carl Carl Dennis Carl Carl Carl Carl Carl Carl Carl Carl	C. Loran & Comany c. Loran & Comany C. Loran & Comany C. Loran & Comany Loran & Comany Loran & Comany La Machand M. S. Hononan R. S. Hononan R. S. Hononan R. S. Hononan	A. C. Brenner C. Caranter R. K. Shron, and R. K. Shron, and C. B. P. McLonaudi C. B. McLonaudi C. B. McLonaudi C. B. McLonaudi C. B. McLonaudi L. McLonaudi L. Willow L. McLonaudi L. Willow L. McLonaudi L. Willow L. McLonaudi L. Willow L. McLonaudi L. Willow L. McLonaudi L. McLo
Bit Bit Bit Bit Bit Bit Bit Bit	Bit Bit Bit Bit Bit Bit Bit Bit	Lift Bits Bits Bits Bits Bits Bits Bits Bit
Coal per ton	Coal per tor	Coal per ton
station of the second s	Charlettereow. Dominion unifiling. Cotal per ton- control of Anak building. Cotal per ton- geogenom. Post official and a second	Barbaries         Post office         Coal per ton- composition           Database         -         -

 SESSIONAL PAPER No. 19

 SESSIONAL PAPER NO. 19

ed.
2
â
100
nti
2
C
3
~
1918-
31
N
5
24
-
5
-
-
ril.
2
here
~
-
-
H
-
0
14
C
σ,
5,2
rks
orks .
orks
Vorks .
Works
Works .
o W
o W
olic Works
o W
ublic W
ublic W
Public W
Public W
Public W
of Public W
of Public W
of Public W
ut of Public W
of Public W
nent of Public W
nent of Public W
nent of Public W
ut of Public W
nent of Public W
nent of Public W
epartment of Public W
epartment of Public W
nent of Public W
epartment of Public W
epartment of Public W
epartment of Public W
epartment of Public W
epartment of Public W
epartment of Public W
epartment of Public W
by the Department of Public W
by the Department of Public W
epartment of Public W
by the Department of Public W
by the Department of Public W
by the Department of Public W
by the Department of Public W
by the Department of Public W
by the Department of Public W
by the Department of Public W
by the Department of Public W
by the Department of Public W
ontracts let by the Department of Public W
ontracts let by the Department of Public W
by the Department of Public W
ontracts let by the Department of Public W
ontracts let by the Department of Public W
ontracts let by the Department of Public W
ontracts let by the Department of Public W
1('ontracts let by the Department of Public W
1('ontracts let by the Department of Public W
1('ontracts let by the Department of Public W
1('ontracts let by the Department of Public W
1('ontracts let by the Department of Public W
No. 1Contracts let by the Department of Public W
r No. 1Contracts let by the Department of Public W
No. 1Contracts let by the Department of Public W
r No. 1Contracts let by the Department of Public W
r No. 1Contracts let by the Department of Public W
r No. 1Contracts let by the Department of Public W
r No. 1Contracts let by the Department of Public W
r No. 1Contracts let by the Department of Public W
r No. 1Contracts let by the Department of Public W
r No. 1Contracts let by the Department of Public W
r No. 1Contracts let by the Department of Public W

Amount.	\$ cta.	12 75 8 76 11 00 11 00 11 10 11 10 110 1		9 50 10 00	9 50	121	97.0 10.00	8.8	11 00	10 45	860	10 00				GE 88 8				191 25 m	28
Date of Contract.																					
Names of Contracture.		Jung, McVay & San, and Way & San, The Scothers Alter-scother The Scothers Alter-scother The Scother Alter-scather Company The Scother Alterstudie Company The Scother Alterstudie Company Phening C. & W. Company Phening C. & W. Company			Compe		Cote, Boivin & Company.	B. J. Smith & Son	S. T. Osroode & Son	J. A. Gendron	Mrs. A. S. Matthews Mrs. A. S. Matthews	J. A. Planche	[A. B. Comean La Cio da Charbon do Framevilla	Phoenix & Girard.	Hartt & Adair	Hull Coal Conumy	John Donaghy .	Ephrem Bolduc.	A. E. Ralston	Lachine Word and Coal Company.	J. D. Campbell
		er ton - Anth-Store Bit Anth-Fight Anth-Fight Anth-Nut Anth-Nut Anth-Nut			Anth-Egg	Anth-Egg	Anth-Furn	Anth-Pag	Anth-Fag.	Anth-Egg	Anth-Nut	Anth-Figg	Anth-Egg	Anth-Egg.	Anth Fag.	Anth-Furn.	Anth-Stove	Anth-Egg	Anth-Furn	Anth-Egg.	Anth-Stove.
Worka	Prouto BertanseaContinued. New-Brunspick-Conduched.	Skylopen Lumigration buildingCoal per tan Skylopen Lumigration buildingCoal per tan Translo (Lianstetu)	Queber	Acton Vale Post office		amaintenand from	-		ookahire			Post office .	Framerville,		Hoonelaga,		Derville, and the second s	onquiere		10 · · · · · · · · · · · · · · · · · · ·	Lachute

DEPARTMENT OF PUBLIC WORKS

Part alter and the second seco		92.6		- 07 R	S 40	8 20	07.0	02.0	000	88	8	15 (0	8	1 639 00	(M) 6	9 20	8 NJ	02.6	900	00 B	000	88.0	9 50	6 50	00 00	93 d	09 6	09 6	88.0	8.2	2	1,400 00		1,987 00	10 50				10 50		96 92 97 98 98
·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·         ·														Tune 1 1917	- I was it min a																	Sept. 6, 1917.		Sept. 15, 1017							
Attended to the second														Company	Knodmor																	levator M'Fg. Co		ment Co., Ltd		n	Plessisville	Canadian Import Company			
Antimum contract of the second		Clark & Stawart		Paquet & Fuls	C. F. Denniconr			Dr. A. FISHW	U. Mulims	Alph. Rondeau	Alph. Rondeau.	J. A. Boulay	A. H. Evans	A. Belanger & C	Howe & Advis	Hartt & Adair.	Stinson-Reed.	Hartt & Adair.	Hartt & Adair .	Hartt & Adair	Hartt & Adair	Hartt & Adair.	Hartt & Adair.			Hartt & Adair .		Hartt & Adair .	Hartt & Adair.	Hartt & Adar .				The Steel Equip							
Attended to the second		a Powo	BUUVE	PRK	nut				- H	nut	egg				firms.	atove.	bit	furn	egg					furn	e88	Turn	nut	egg		furn,	ion of an in		s for station					A TANAL TANAL	Turn		eßß
A strain of the second			-	÷			=	-	=	-	-	-	-	=	- nutings	THUN - IION 3		-	-	2	-	¥.	: :		÷		: :	: :	•	•	and installa	elevator in	c storage cas	A STATE OF A STATE OF A	r ton - Anton.		:	•			
A strain of the second					-		:	-	· ···			:		The second s	-). Lutterior	ad moo			-	•			::		•	*	::			4 (A)	"	chine	ise. Metalli	ery .							
Prost Prost														A STATE AND A STAT	I station (Delormier at	ms canal office	ining warehouse	xamning warehouse.	station "A".			"D"			·····	"S"	ferata bunding	aue building	try branch	tion hospital	I of a filmer of A 12		ms examining warehou		omce			Quebec Custom house	Marine Aconor	Examining warehouse	Immigration-hospital.
Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadia Lapadi	Olliphini		LennoXville	The second second second	- Internet	2000 C 100 C		Pourseville		ville			Megantic	Montmagny	reat	Chiston	Ryam	New	P. 0.							11 E 10	0 BIO.	Reven	Fores	Deten	There are a set of the	T. 0809	Custo	-	W Day 1 Ost (		sville	c Custo	Marin	Exam	Immi

SESSIONAL PAPER No. 19

STAT WAY NO. 1. - Contracts let by the Department of Public Works of Canada, from April 1, 1917, to March 31, 1918-Continued.

					9 GEORG	GE V, A. 1919
Amount.	s cts, 10 90 10 90	10 90 10 90 1,250 00 1 9 56 10 99	02 02 0 02 0 02 0 02 0 02 0 02 0 0 0 0 0	11 00 9 35 8 35 11 2 25 11 00	88888888888888888888888888888888888888	9 25 19 25 10 975 10 90 10 90 11 090 178 00
Date of Contract.		Jan. 11, 1918.				
Names of Contractors.		description of the second seco		The Planument Illartt& Aour Alexis Martin Alexis Martin O. C. Glen	Hart & John Rate & John Cabrone & And Cabrone & Cabrone L. D. Poneralla J. D. mangly J. Danagly	e port Co hell Company
Works.	tinued. Sail per ton-Anth. e	Gas General quarters		Shawingan Shawingan Shawingan Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbinda Sharbi	Net, Annuella M. V. Sterritoria I. A. M. Sterritoria (M. M. M	. (tual per con-Anth., Anth., Anth., Anth., Anth., Interior fittings

DEPARTMENT OF PUBLIC WORKS

SESSIONAL PAPER No.		
106. per K. W. and 10% dis- count. 9 10 14 00 14 00 19 00 6,725 00 8 75 10 00 9 50	252253622228362228366666581266888888 866866 <u>2</u> 86888666668812668888888 866866 <u>2</u> 8688866666881266888888	2,136,000 8,000 10,000 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8,255 8
sche Sche		
Lighting of	<ul> <li>R. Mari Bao, S. Mari Mangala, S. Mari Mangala,</li></ul>	T ¹ ² ¹
m.	Difference of the second secon	ompany. Dies. 34, 1907 Martine de la construction de la construction Martine de la construction de la construction Martine de la construction de la construction de la construction Martine de la construction de la construction Martine de la construction de la construction de la construction Martine de la construction de la construction Martine de la construction de la construction de la construction Martine de la construction
ue de Champla a Company wer Company. 1 Company.	w Company	Company.
las Cle Electropas de Champhain. esc. IX Abacija Egon Comparey IX Robalis Agon Comparey IX Robalis Alexanon esti ferica Robalisar Pores Company. Tester Robalisar Pores Company. Estima Tara 1: Stabilizar Company. Estima De Company. Estima	esc. Durit Branc, Durit Branc, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran, Duran	Si stran, C. J. Munor & Cananary, and S. San, C. J. Munor & Cananary, strand and a fatilitation strand and a fatilitation strand and a fatilitation strand and a fatilitation strand and a fatilitation fatilitation and a fatilitation fatilitation and a fatilitation strand a fatilitation fatilitation and a fatilitation strand a fatilitation fatilitation and a fatilitation strand a fatilitation stran
Lighting et           exe         Coal per sur - anth, ege.           exe         Coal per sur - anth, ege.           Phylic building.         Supply effects arter for light           Phylic building.         Supply effects arter for light           Phylic building.         Supply effects arter for light           Lus offic.         Supply effects arter for light           Los offic.         Coal per alter braining for light           P. O action         Coal effects	Ubstantisis Post office Callo Callo et on Auth. etc. Manuae Callo Callo Callo Callo et on Auth. etc. Manuae Callo Callo Callo et on Auth. etc. Manuae Callo et on Auth. et on Auth.	andream Hole Publics (Providence Publics) Pathon (Providence Publics) Pa
	-Anth,	-Anth.,
Lighting of Coal per ton- Suppy of even suppy of even suppy and number of per ton- of per ton-	al per ton	ambing an
Lig Sup Sup Coa	లి	Co
Professional States of Sta		lding.
building. fice.		building.
Public Post of P.O. st	Post of	Public Post off
Africa Antiones Antio	burg. burg. ville. d. d. d. d. d. d. d. d. d. d. d. d. d.	in Flace in K
Farebonno Dietord Mines Dietord Mines Dietord Mines Autoritied Valloyfield	Altonuchia Altonuca Attonuca Attonuca Attonuca Attonuca Attonuca Attonuca Attonuca Attonuca Attonuca Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingto Bearlingt	Contraction Lance 1 Chartam 1 Chartam 1 Chartam 1 Chartam 2 Cohourg Cohourg Collingwood Collingwood
r Flerry Fhre Palle Valle Victo	Alex Alma Armh Armh Armh Armh Armh Armh Armh Barr Barr Bran Bran Bran Bran Bran Bran	Control Contro

io-C			Contract.	
(mario-Continued.				
Coul per ton - Anti				× cts.
	nut	Aoa. Broderick	-	8 50
	furn	al Company		00 6
	0,88			6 00 6
B	egg			6 6 8 1 8
	-			10 50
				9 G G
		[A. E. MCD01] East William I & F. Commun.	-	10 H
Examining warehouse.		Fort William I & F Contany		
-		Jus. Murphy		10 00
Post office		W. A. Smith		006
Post office		Jas. Taylor & Non-		9 75
	furn	McAlpine Bros		8 15
#		McAlpine Bros.	· · · · · · · · · · · · · · · ·	8 40
a a	egg	H. J. A. MacEwan.	118 000 000	8 8 8
		J. H. Giban		99 S
		J. H. Gibson		8 50
	egg	Kloepfer Coal Company		(5) ×
10 10 10 10 10 10 10 10 10 10 10 10 10 1		Gillies-Guy		80 S
Weights and measures . Antl	Auth ear	Gillion-Gav		885
		W. H. Evdt		8 75
a a		John Howes		9 25
a a		John Howes.		9 20
	PR8	W. Wilson		00 6
Extremental farm	furn	Fort William Cash Dack Ca		10 10
	nut	Fort William Coal Dock Co.		11 00
Post office	stove	L. C. Patterson		11 B
" " " " " " " " " " " " " " " " " " "	Iding of ratain.	B		
		James Todd	Oct, 13, 1917	
Post office Coal per ton-Anth., egg				11 00

STATEMENT No. 1. Contracts lat by Donnetwood of Public Woods of Consider from Angil 1 1917 to Manual 21 1918. Continued

9 GEORGE V. A. 1919

- ⁻			-	ં ઝર્ટ નર્ગ જો
			July 27, 1917.	Aug. 22, 1917. April 19, 1917. May 2, 1917.
et al. and a second	ege D. Smith. ege D. Smith. ege P. Pavellen, Lid. ege R. Ruber-Dive. ege W. Ruber-Dive. ege W. Ruber-Dive.	torie R. Weiki atorie R. Weiki R. Merk Structure M. Kranier M. Kranier M. Kranier M. Structure M. Schenduld K. Cokk	R. R. Broughton. R. M. Parter and A. M.	ertekal filing Ottes Speaking MTrg. Co., Ltd. Aug. 22, 1917 2018 - March Marker Company, Ltd. Aug. 22, 1917 2018 - R. V. Landar Company, Aug. 2018, 2018 2018 - R. V. Landar Company, Aug. 2018, 2018 2018 - Speaking MTrg. Co., Liol. Aug. 2018, 2018 2018 - Speaking MTrg. Co., Liol. Aug. 2018, 2018
S. Anglin & C.  H. Hunter W. J. Chark	D. Smith Flavellee, Lt Robert Ölive- R. T. Kemp- Wm. Buchan	R. Welsh. D. S. Pratt. Alex. Krame Blain & Ham F. Weidenho R. J. Cook.	E. E. Broughton Chas. Stevens Oliver Dike W. E. Thomas North Bay Fuel Co Corbett & Connell The Berlin Interior	Office Special C. C. G. Har S. E. Carrs I. E. V. Lander The Steel Eq Office Special
nut. egg. eng. eng. nut. egg. Klo egg. Klo	nut. egg ent. egg nut. egg nut.	Bit	egg. erove arove furn furn egg. Auth, stove.	awer vertical filing 14CV. egg Anth., egg Anth., nut. Anth., nut. Anth., nut. Anth., nut. ang cubinets.
of gymnasiu ton—Anth.,		Bit	Anth.,	200 four can drawer v 200 four can drawer v Coal per ton-Anth. Anth. Anth. 100 metallic filing cab Steel fitting:
Erection			Sorting	200 tour section Coal per         
International and the second s	Gen			lings
	emo		a gunerally.	public buildings
Inland revenue. Customs house Naval Service R.M.C. Post office.	Customs house	Post office	Post offices generally.	Due duffes
King-ton	Customs he	Murkhand. Midland Midland Millon- Mitton.	Forest	Provide Detailed and the full data with the second filth of the second data with the sec

SESSIONAL PAPER No. 19

										9 GE(	DRGE	V, A. 1919
Anount.	¢ cta.	2,630.00	$\begin{array}{c} 10,600 & 00 \\ 14,102 & 50 \\ 17,337 & 50 \end{array}$	5,200 00 104,473 75	8,495 00 629 00	4,075 00	445 00	3,450 00	435 00	1,138 00 12 00 p.m.	Sched. of prices. 8,200-00	$\begin{array}{c} \$2 & 18\frac{1}{5} \ \mathrm{per} \ \mathrm{bbl}, \\ 6,560 & 00 \\ 5,798 & 50 \\ 129,900 & 00 \\ 150 & 708 & 00 \\ 150 & 708 & 00 \end{array}$
Date .	0. COllegade,	May 3, 1917		May 7, 1917. May 7, 1917.	May 25, 1917. May 25, 1917.		June 7, 1917.		July 18, 1917.		Aug. 22, 1917. Aug. 22, 1917.	<ul> <li>Sept. 8, 1917.</li> <li>Sept. 18, 1917.</li> <li>Sept. 18, 1917.</li> <li>Sept. 20, 1917.</li> <li>Sept. 22, 1917.</li> </ul>
Names of Contractors, or an		The Steel Equipment Co., Ltd	Office Specialty MTg. Co., Ltd. Montreal Terra Cotta Company Sun Drick Company	plankting for Extra contra for National Fireproofing Co. of Canada, Led.	Office Specialty MTg. Co., Ltd. The Skeel Equipment Co., Ltd			The Campbell Steel & Iron Works Ltd	The Steel Equipment Co., Ltd	The Steel Equipment Co., Ltd. The National Brick Co., of Laprairie Ltd John Hency & Son Ltd., and The C. C. Ray	Co., Ltd	Canada Ceurent Company, Ltd. Dartonli Ltd. The Conadian Trungsten Lamp Co., Ltd W. J. Medeinre, Ltd. Wallace Sandstone Quarriew, Ltd.
erroreneses are is a contracte to ty for respectation of a only works of contraction prior a prior of a contraction prior and a prior and a prior of the prior and the pri	Punato Bunanasa Continued.	Continued. Defence	tratic outonings	planking for Supply of Arch tile terra cotta for Detense –	Metallic cases.	der brauch)	branch) Dept. of Militia & Defence Matallic card index drawn	artmental Firo escaptes.	Art Cal.	lery of Cameria. Metallic cases for Parlamente buildings Supply of Symbor common brick. Public buildings.	. Dominion public buildingsS	and control or asymptotic astrono or one shipply of changedon lamper for 

STATEMENT No. 1.—Contracts let by the Department of Public Works of Canada, from April 1, 1917, to March 31, 1918—Continued.

130

### DEPARTMENT OF PUBLIC WORKS

Untilities         State of another barries in the large state of a	SESSION/	AL PAP	ER N	o. 19													
Unitarie         Boyo of analysis of statistic and the statististic and the statistic an		Sched.	I,095 00	2,695 00	10,400 00	7,400 00	30 00 p.suit. 4,192 00	00.616	549 00	5,600 60	8,160.00	473-00	7,935 00	2,690 00 386,000 00	3,194 00 8 70	10 00	00 6
Unitarie         Boyo of analysis of statistic and the statististic and the statistic an	22, 1917. 24, 1917. 36, 1917.	1, 1917		-			0, 1917. 17, 1917.	4, 1918.	14, 1918.	25, 1918.	1, 1918.	20, 1918.	5, 1918.	5, 1918. 28, 1918.	-, 1918.		
Unitarie         Boyo of analysis of statistic and the statististic and the statistic an	Sept. Sept.	Sept. Oct.	Oct.	Oct.	Oct.	Nov.	Dec.	Jan.	Jan.	Jan.	Feb.	reu. Feb.	Mar.	Mar. Mar.			
buildings in gray of analog for and a start strain and a strain strain strain buildings. Buy a strain strain strain under the strain and strain strain under the strain and strain strain strain and strain strain strain strain and strain strain strain strain strain strain strain strain strain strain strain stra	e Mississquoi Marbles, Lud	awa Construction Co., Ltd. E. Dillon, Ltd	••••••		1		o a wo macs, Lto			-	-		Ltd			3. Warren B. Honry & Co	is C. & L. Company
0	ngs		Metallic curtain case S.1807	office)		ŝ	Metallic fittings	vault, of State-Connaught.	Building) Room 512 Dominion Public buildings	(S 1946)	S-1950) Supply of 1,000	n Display the Interior (Lands are equal provided in the interior of the interior (Area) and the int	Canadian building Alterations and additions to toilet	Parliament buildings	Post office		

CONTRACTS LET

SESSIONAL PAPER No. 19

131

 $19 - 9\frac{1}{2}$ 

Continued.	Amount.	<ol> <li>cfts.</li> <li>cfts.</li> <li>21.001 per month.</li> <li>22.001 per month.</li> <li>23.001 per month.</li> <li>24.101 per month.</li> <li>25.201 per month.</li> <li>25.201 per month.</li> </ol>	9 GEORGE V, A. 1919 28 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
ch 31, 1918	Dato of Contract.	Oct. 19, 1917	
Canada, from April 1, 1917, to Man	Namés of Contractors.	tan-Contrined. antimuch continued. (Cal by ten - Anth. entr. (Cal by te	Atth, ege Atth,
STATEMENT No. 1Contracts let by the Department of Public Works of Canada, from April 1, 1917, to March 31, 1915-Continued	Works.	Frunc Bruntwais       Outarie -Continued       Outarie -Continued       Parkhill     Nate office       Supply of Park and Francing     Supply of Park and Francing	Pert Cubration         Part of the cubration         Description         Description <thdescription< th="">         Description         Descriptio</thdescription<>

		8, 1917 4,666 00
		[JJ., R. J., J. E. & R. E. Whitley. [Sept. 8, 1917.
tero of the Allowed Allowed Allowed Compared of the Coefficient & Compared of the Coefficient of the Coeffic	R. 1. News	., R. J., J. E. & R. E. V
Coal Per ton—Anth, stores 10	<ul> <li>First Million</li> <li>First Mi</li></ul>	0
Coal per ton-	Coal per tur-	etc
Statish Filds Pool of the Control of the Control of Con	Dustom Ht. Styress Bu Styress Bu Stanning Standard Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Statistic Stati	
Sfle Stres Stra Stra Stra Stra Stra	Tor Tor	

SESSIONAL PAPER No. 19

a.	
16	
12	
5	
20	
0	-
1	
00	
-	
A sea	
-2	
60	-
	1.
0	
8	-
X	
~	
4	
12	
-	
51	
•	
-	
17	
D.	
<	
12	
6	
4	
1	
θ	
19	
aı	
0	
144	11-
~	
KA.	
01	
-	
.ä	
10	
2	
6	
40	
6	
ā	
-2	
5	
6	
4	
٩	
÷	
20	
â	
5+ 15	
-	
ts	
SC	
Ë	
1	
e.	
Ĭ	
1	
.0	
14	
H	
1	
N.N.	
642	
A.T.	
E	
00	

					9 G	EORGE	V, A. 1919
	cts.	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		13 (0 9 75 9 75 9 75 9 75 9 75 9 75 9 75 9 75	ad.		work. 111 35 12 15 14 65 111 00 10 70
÷	40	00 80 87 37 30 30 30 37 57 57 57		13 (9 9 75 9 75 9 75 9 75 5 00 13 00 2 1,959 60 2 1,959 60 2 1,959 60 2 1,959 60	for any ad- ditional work. 13,030 90	for any ad- ditional work. 7,211 00 id unit prices	ditional work. 11 35 12 15 14 65 11 66 11 00 11 00
Amount.				60.1	r a iona 1	r a iona unit	iona
<				pus	for any ad- ditional work. 13,030 90	for any ad- ditional work. 7.211 00	19 -
				5			
Date of Contract.				Sept. 25, 1917	5, 19	5, 19	
Cont				P. 1	pt. 2	. 23	
					ž.		
		Moore Broat Marc "George Weilhart and Marc "George W. Hose Company W. Rise Company A. Alacian, A. Macian,		T. E. Elvia Bachy & O'Han. T. E. Buine. Bachy & O'Han. A. F. Buibek.			any.
	ĺ						
'ELO							
racto	[						
Names of Contractors.							uny.
jo a		pany		et et			edua
ante		& Som		Har Har k.			1 C.
Z		borge sorge cice ( low . acles		viss & O & O & O	ulloc	alloc	Cos Cos
		Moore Bros. Alex. George Woollatt W. Hoge U. W. Rice J. A. Maclea A. Hactings		T. E. Elviss Bacelay & O'Hara. T. E. Elviss Barclay & O'Hara. A E. Bullock.	Е. В	8.3	sterr
		Moc		T. I Bar Bar Bar	A.	÷.	We Wu We
		Multi, representation of the second s		Arth. acros. T. E. Eviss Bit. Con. Barchy & O'Han. Bit. Con. T. E. Ross. Bit. Con. T. Barchy & O'Han. Arth. acros. J. E. Bullot. Arth. acros.	Horee baru, construction of	General utility building and shed. A. E. Ballock	Coal per ter Anth., egg. Western Coal Company.
				e . ve .	of.	nd×	
		egg egg egg egg egg egg fur fur		atov an. an. an. kto nstrr	tion	ing t	egg egg
		Anth., egg Anth., nnt. Anth., egg Anth., egg Anth., egg Anth., egg Anth., egg Anth., rut. Anth., egg Anth., furn		Anth., store Bit., Can. Anth., store Bit., Can. Anth., store Anth., store m, construction of	struc	bliud	Anth., egg Anth., egg Anth., nut Bit. Anth., fur
	i			BBB ABA	coni	ity l	A-CA A-CA B-CA B-CA B-CA B-CA B-CA B-CA
	1	r tor		Coal per ton	arıı,	1	T tor
	igr 1	al per		al per	1961	nera	e i i i i i i
	ntina d.	ů		Da	°Н.	Ge	S
	-Co	0					0
Works.	PUBLIC BULDING8-Continued Ontario Concluded.	office	Manitoba.				0
We	011.D		Mar	a dub			
	c Bi			l far bui d far			
	CBLI	ao 199		enta ice ation			8
	-	E set i set i e -		erin "off nigra			Ho to the
		Pos		Experiment form Coal er tor Anh, corres Dr. E. Elvin Plat office Anno. Coal er tor Anh, corres Dr. E. Elvin Hand, and Anno. Brander & Olivie Lumeration indifference Anno. Brander & Olivie Elvin and Anno. Br			Post office
		Part office		Experimental farm Post office. Experimental farm			
				Experimental farm C Poat office Immigration building Experimental farm 1			
		e					1.2 0
		U thridge		Brandon			Carnian Daophin. Deloraine
		Uxt Wal What What What		Bra			Car Dad Del

14 8 14 8 1	10 8 10 80 40 4 8 7 61 - 60 8 6 8 8 3 3 5 7 8 9 9 1 7 7 8 9 8 9 8 8 3 3 5 7 8 9 9 1 7 7 8 9 8 9 8
All of the second	
Coal per team.         Description         Description <thdescription< th="">         Description         <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<></thdescription<>	Ris, Car. Stabutado Per Chromotor Ris, Car. Stabutado Per Chromotor Ris, Para R. Riskow, Chromotor Ris, Para R. Riskow, Chromotor Riskow, Carlo Riskow, Chromotor Riskow, Chromotor Riskow, Chromotor Riskow, Chromotor Riskow, Chromotor Riskow, Chromotor Riskow, Chromotor
all per tau-Table. Con. And all and the tau-Table. Con. And all all all all all all all all all al	
Entrom.         Data office         Coal per tree. Fill, Com         Wither Coll Controption           Mathema         Math. Rige         Math. Rige         Math. Rige         Math. Rige           Mathema         Math. Rige         Math. Rige         Math. Rige         Math. Rige           Present         Math. Rige         Math. Rige         Math. Rige         Math. Rige           Present         Math. Rige         Math. Rige         Math. Rige         Math. Rige           Schridt         Present         Math. Rige         Math. Rige         Math. Rige           Schridt         Present         Math. Rige         Math. Rige         Math. Rige           Schridt         Present         Math. Rige         Math. Rige         Math. Rige           Math. Rige         Math. Rige         Math. Rige         Math. Rige         Math. Rige           Math. Rige         Math. Rige         Math. Rige         Math. Rige         Rige           Math. Rige         Math. Rige         Math. Rige         Math. Rige         Rige           Math. Rige         Math. Rige         Math. Rige         Math. Rige         Rige           Math. Rige         Math. Rige         Math. Rige         Math. Rige         Rige           Math. Rige <td>Addrawka, Lawline, Innungenson, andre on- andre on the second sec</td>	Addrawka, Lawline, Innungenson, andre on- andre on the second sec

SESSIONAL PAPER No. 19

		cts.		9 GEORGE V, A. 1919
4	Amount.	80 61	0 0 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	125×1 000000000000000000000000000000000000
	Dato of Contract.			
	Names of Contractors.		Rt. Can. Cry Curtupe formparty. Carl Can Maters Rt. Carl Can Maters Rt. Neward Coal Computy Rt. Neward Coal Computy Carl And A Maters Carl And A Maters Carl And A Maters Math. And A Maters Math. Computy Math. Computy Math. Computy Math. Computy Math. Computy Math. Computy Math. Computy Rt. Computy R	Rt
	Works.	Printie Bertanyas—Concluded. Alberta—Concluded.	Latheride         Due (Mes. Projection)         Cond per two—Bit., Can.         Ory Outrage Company.           Research France         Experimental France         Experimental France         Experimental France           Research Company         Experimental France         Experimental France         Experimental France           Restarence         Experimental France	Statisticants Statisticants Statisticants Early France 18, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10

136

STATEMENT No. 1.—Contracts let by the Department of Public Works of Canada, from April 1, 1917, to March 31, 1918—Continued.

SESSIONAL PAPER No. 19		
1008 73 1008 73 1008 75 1008 90 1008 90 100	oc. p. 1,000 galls. during 21 years. (Renewable.)	438 40
Feb. 16, 1918. Get. 5, 1917. Nov. 12, 1917. May 30, 1917.	Feb. 20, 1915.	Aug. 15, 1915.
Monoples         Interpretent encludes         Colar prevents         Result         Provide studying         Provide studying <t< td=""><td>ng cc</td><td>Shawinigan Falls Public bld's Concrete paving, repairs to sidewalk, levelling, etc. Moise Boisvert</td></t<>	ng cc	Shawinigan Falls Public bld's Concrete paving, repairs to sidewalk, levelling, etc. Moise Boisvert

Duto of Amount. Contract.	8 cts.	Feb. 4, 1918 Nov. 19, 1917 April 12, 1917 April 12, 1917 April 12, 1917 April 12, 1917	2, 1917 0 100 2001		Sept. 24, 1917 Actual cost of said works plus	12, 1917 3,623 00 00	5, 1917 Actual cost of 9 work plus 10 0 p.c. not to ev. 20 ceed 31.806 60	6,000 00	A. 1
Do Cont		Feb. Nov. 1 April 1	Nov.		Sept. 2		Nov.	Feb. 1	-
Names of Contractors.		Has "B" per en yel	d. 8. Gregory.		Quiulau & Robertson Ltd	Wright & Lonergan	Dominion Bridge Company, Limited Nov.	Municipal Council of Town of St. Germani de Rimouski	
Wyakka.	Harbotus and Rivers Nov Branceick.	Herbicker, McLenn's Berling, C. McLenn's S. John Stani, P. M. Breiding, C. Rass uPF per cu yil S. John Stani, Form Lennyer et aled No. 6. Reinhibling of S. John West. Tracks for fore'ts in seven aled No. 15 mean-aloued fratements. S. John West.	St. John West Chanting up deep water betthe Chan "It" per cu. yd.	Queder.	ita and completion of Construction of	.Transmission pole line between new and old dry docks	X. Charles River - Steah plates grider bridge over "Una hlueways". "."."	Government wharf	St. Germain de Ri- mouski . Supply of water to Government

138

# DEPARTMENT OF PUBLIC WORKS

$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	S	SSIO	NAL	PAPER	No. 19															
			0 104c. plus 0 5c. overtow.			Minimum charge	during 18 m'ts from Mar.1918 600 00 p. annum			Actual cost of said works plus 10 n.c.	and or						:	7 50 per ton.		PH Com
	_	1918		1917	1917	1918			1918	1917		1917	1917	1917	1917	1917	1917	1917	1917	1917
		8	28,	17, 17,		Ê				12,		1 18,	18,	20	ŝ	á sí	18,	18,	18,	18,
Dotors         Outers           For White		Mar.	:	"ang	Dec.				Mar.	Sopt.		April	: :	•	: :		÷	:	=	
	Unitario.	Fort William Dredging	in Kammietanian on the second	water may total in test of registrational design at which class 'An on yel Additional design at which class 'An on yel 	onstruction of	Supply of electric power to Government shipyard	St. Audrews Locks. Stuphy of electric power for lighting public works on Red. River, The Winnipeg Selkirk & Lake Winnipeg Man	British Columbia,	Wooden freight shed and fregreofing of grain conveyor supports of work shift of Marth	and 3. Construction of	VESELS DIRDORS AND PLANT.		rubber hose for departmental dredging plant for Ontario and Quebec, for 1917-18 Canadian Consolidated Rubber Co. Ltd.			Packing Recting Company.	<ul> <li>pants and panto ois for departmental dredging plant for Ontario and Quebec, Ottawa Paint Works Ltd.</li> <li></li></ul>	<ul> <li>accessed condition of departmental dredging plant for Nova Scotia and New Bruns-Scotthern Salvage Company Ltd</li> </ul>	" metallic host of departmental dredging plant for Nova Scotia and New Rruns- The Canadian Fairbanks-Morse Co., Ltd	<ul> <li>rubber how of departmental dredging plant for Nova Social and New Bruns-Goodyser Tire &amp; Rubber Co. of Canada f.d. wick, for 1917 -1918.</li> </ul>

CONTRACTS LET

SESSIONAL PAPER No. 19

STUTINEXT No. 1.-Contracts let by the Department of Public Works of Canada, from April 1, 1917, to March 31, 1918-Concluded.

																9	GE	0	RG	ΕÌ	/,	А.	19	19	
Amount		S ctu,	Schedule of	prices.	-		-			-	-	:	:	•		:			*	z	1			:	1
Date of	Contract.		18, 1917	18, 1917 18, 1917	18, 1917	18, 1917 18, 1917	18, 1917	18, 1917	18, 1917	18, 1917	18, 1917	18, 1917	18, 1917	18, 1917			16, 1917		18, 1917			18, 1917		18, 1917	
Da	Con		٨pril	: :	÷		÷	-		:	-	:	-	÷		=	= :		=	=	z		=	z	τ
Names of Contractors			Dunlop Tire & Rubber Goods Co. Ltd	Canadian Consolidated Rubber Co. Ltd	The Garlock Packing Co	The General Supply Co. of Canada, Ltd	r Goodycar Tire & Rubber Co. of Canada, Ltd.	Canadian Consolidated Rubber Co., Ltd	The Canadian Fairbanks Morse Co., Ltd	I The Imperial Oil Co., Ltd	r Brace McKay & Co., Ltd.	Brandram-Henderson, Ltd	r Brace McKay & Co., Ltd.	Cauadian Consolidated Rubber Co., Ltd.	Coodyear Life & Kubber Co. of Canada, Ltd. Dunlon Tire & Rubber Goods Co., Ltd.				Canadian Oil Companies, Ltd.		Goodyear Fire & Rubber Co. of Canada, Ltd.	[The Imperial Oil Co., Ltd			
Worka		V KSSRLS, DREDUCES AND PLANT-Concluded.	Supply of rubber hose for departmental dredging plant for Nova Scotia and New Bruns-Dunlop Tire & Rabber Goda Co. Ltd April 18, 1917	week, for 1911-1918. 	Demowerk, for 1914, 1916. packing for departmental drealging plants for Nova Scotia and New Bruns. The Garlock Packing Co	wick for 1917-16. Isome and oils for departmental dredging plants for Nova Scotia and Now Brandram-Henderson, Ltd	Drumswick for 1914-1916		- metallic base for departmental dredging plant for Prince Edward Island for The Canadian Farhanke Morse Co., Ltd	1917-1918 oils and greaters for departmental dredging plant for Prince Edward Island The Imperial Oil Co., Ltd	provide the state and the plant for Prince Edward Island for Brace McKay & Co., Ltd 1077-1018	paints and paints and paint oils for departmental dredging plant for Prince Edward Brandram-Henderson, Ltd	numit of Fair 1910. 1917 - 1918. Television of the present of the prince Edward Island for Braco McKay & Co., Ltd	rubber hose for departmental dredging plant for Manitoba for 1917-1918 [Cauadian Consolidated Rubber Co., Ltd.		metallic hose	· Otls and greaters · · · · · · · · · · · ·		•	<ul> <li>gasolene and coal oil New Westminster, B.C., for 1917–1918.</li> </ul>	hose	·· oils and greases · · · · · · · · · · · · · · · · · ·	paints and paint oils .	fuel oil Vancouver for 1917-1918	<ul> <li>gamoiene and coal oil</li></ul>
1			supp																						

9 GEORGE V & 1919

SESSIONAL PAPER !	No. 19		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21, 1917 [resignt charges 7, 1917 [s9, 258 00 7, 1917 Unit prices. 8, 1917 Unit prices.	<ul> <li>6, 1917 \$19,999 00, and 75c. per sq. ft. for any extra cement work</li> <li>73.1918</li> </ul>	\$7,200.00
	fre \$9 Unit	\$19 75 for ce	
7161 7161 7161 7161 7161 7161 7161 7161	$\begin{array}{c} 21, \ 1917\\ 7, \ 1917\\ 7, \ 1917\\ 8, \ 1917 \end{array}$	7161	1915
118, 118, 118, 118, 118, 118, 118, 118,	$^{21}_{8,}$		27,
May	a late	Dec. Jan,	6-19 Dec.
Bits of States         Constrained by the state of	a. 2000, for first 2017-2018, more row. a. 2000, for the production of the	Leven, Que, nor 2917-1916 per Gui. Dockug, cheming, painting autremate to Drodge Na, awy "Pruhling"	The following item was received too late for insertion in last year's annual report, 1910-1917. Gagerown-Whaf, weednose and alod, Construction of
(color) They R hole Color Cound. Ltd. (The Imperiated Color Cound. Ltd. (The Imperiated Color Color Ltd. (See Commune Color Ltd.) (See Commune Color Ltd.) (See Color Color Color Ltd.) (See Color Color Color Color Color Ltd.) (See Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color (See Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color (See Color Color Color Color Color Color Color Color Color Color (See Color C		1	ort,
Cane			lor
o. of			laun
Ltd. Ltd. Ltd. Ltd. Ltd. Ltd. Ltd. Ltd.	imite .		an
Rub Co. Co. Co. Land	1.	<u> </u>	sar's
re & I Oil I Oil I Oil I Oil Oil Oil Oil Oil Oil Oil Stee	pyaro aille	, Lto	st ye cklej
ar Ti peria anico co., co., ar Ti ar Ti ar Deria andar cotia	Ship Robit	arine anife	a las
e Im P Im e	" allace arre "	C. M.	n ir hn M
SECRAF SECEN	r W.	2 5	artio Ja
Mo	e. fo int fo		inse
4 for	, Que		for
plan	timi to 34	1	ate
sing	hicor 0. 306 1 dr.	, Bui	000
Victoria al dredg	for C " No studo	Sruhl	eq
Vi	ant   odon ' Ma	5	eeiv
rthue	ng pl Mast Jge r dej	0.30	us re
depr	pedgin ge " Dre val fo	ge N	1 WE uctio
1 for	of ped al di Dred etc. etc.	Dred rian'	iten
coa	18, n ment ring kets, reen	" Ty	ing d, C
nine	translation of the second droging plant for Chicontini, Qua, for Nonan of coal for departmental droging plant for Chicontini, Qua, for 1997–1958, pro too. 1997–1998, pro too. 1997–1998, and reparting Deelge "Mastedon, "No. 966 antidig painting and reparting Deelge "Mastedon, No. 360 recordence and the optical one of the departmental droging plant for goo nona of Oil Sydney screened coal for departmental droging plant for goo none of Oil Sydney screened coal for departmental droging plant for goo none of Oil Sydney screened coal for departmental droging plant for goo none of Oil Sydney screened coal for departmental droging plant for goo none of Oil Sydney screened coal for departmental droging plant for goo none of Oil Sydney screened coal for departmental droging plant for goo none of Oil Sydney screened coal for departmental droging plant for goo none of Oil Sydney screened coal for departmental droging plant for goo none of Oil Sydney screened coal for departmental droging plant for goo none of Oil Sydney screened coal for departmental droging plant for goo none of Oil Sydney screened coal for departmental droging plant for goo none of Oil Sydney screened coal for departmental droging plant for goo none of Oil Sydney screened coal for departmental droging plant for goo none of Oil Sydney screened coal for departmental droging plant for goo none of Oil Sydney screened coal for departmental droging plant for goo none of Oil Sydney screened coal for departmental droging plant for goo none of Oil Sydney screened coal for department droging plant for goo none of Oil Sydney screened coal for department droging plant for goo none of Oil Sydney screened coal for department droging plant for department droging plant for goo none of Oil Sydney screened coal for department droging plant droging plant for department droging plant droging plant droging plant droging plant droging plant droging plant drog	er toi repail S.S.	llow: d she
ili ili	or 191 or do and and rets i	and and rs of	e fo
hose oils and grasse saints and paint oils saints and paint oils tusl oil gaselene and coal oil gaselene and coal oil gaselene and coal oil gase and gruess and paint oils units and gruess and paint oils	real, Que., for 191 ons of coal for de 917–1918, per ton. ng, painting and 1 vetting lip rivets in tons of Old Sydm	r-19 thing office	Th
toose packing packing paints and paint paints and paint teal oil teal oil gasolene and coa packing packing paints and paint 1,700 tons of "aint	1, Qr of of pair pair pair a of	pair pair s for	, wa
hose oils and packing paints an paints an fuel oil gasolene passing paints an paints an paints an	trea tons 1917 1917 1917 rivett	forms	harf
oils pach pain pain coal fuel pain pach pach pach pach pain fuel 1,700	300 300 1 500	s, vu clea	M
	" sking, pping	king. ply o	etow
	Chi Sup	Doc	Gag

### CONTRACTS LET

									9	GEO	RGE	٧,	A. 1919
Price.	Ş сtн.	200.00	Free transfer.	Free grant, 350-00	2,510.00	47 00	Exchanged for parcel of land trans-	ferred to her by the Crown Free tranfer.		r	00 1.		Free transfer.
Area.			Pree transfer.	Pres grant, 350	60 ft. x 60 ft	Reservoir 47 acres.	101 25 feet		0 07 acre	23,400 sq. ft	0.28 acres		0 1 acre
For what purpose.		Timiskaming Reservoir Dam.	Government purposes	Private outerprise.	Private enterprise.	Timiskaming Reservoir Dam.	Government purposes	Quarters for troops	Wharf.	Government purposes	Wharf	Site for Public Building.	Telegraph offices
Description of Property.		Release for all charns, etc., rc damages caused Timiskaming by flowding of lots 26, 27, and 28, Range 2, Tam. Townhof Fabre, District of Timiskam.	Transfer of wharf site, St. George, N.B.	Eugenie Frigon [Grant of trace] of hard-bang part of No. J. PUTVAR outerprise. Subdivision of lot No. 580, La Malbaie, Que W. S. Logue Co., Hubgrown'r re lands and property conveyed, Wharf.	Ltd. Shippergan, N.B. W.m. G. Rogers, Grant, of land, being parts of lots Nos. 13 Private enterprise.	and 13, Block TO Catananolus, Old. Release for all claims, etc., re damages canseed Timiskaming hy flooding of lot No. 52, Township of Gut. Dam.	2 mes, 2.09. Carrier of and, St. Etienne de La Mal. Government purposes 101 25 feet buie, Que.	Department of Public Department of Temporary transfer of Martolo II. od, S. Quarters for troops. Werks.	of Transfer of water lot, St. Nicolas River, South Wharf	Domain Conv. Transfer of wharf with site thereof and ap-leftovernment purposes 23,400 sq. ft. ernment.	Transfer of part of lot No. 100, Group 1, Wharf	Sale of hand, most westerly 78 feet through Site for Public Building. out of lots New, 36, 37 and 38, Block 13,	Trunciate of Loudinators, 1884. All structures and the structure of Louder and the structure of Louder and the structure
Parchasers.		If is Majesty	Dominion Gov- ernment.	Eugenie Frigon. W. S. Logue Co.,	Wm. G. Rogers.	His Majesty .		Department of Militia and	Department of	Dominion Gov- ernment.	His Majesty		His Majesty Dominion Gov- ernment.
Vendors.		Achille Verhelst	Provincial Government of Dominum Gov- New Brunowick. ernnent.	His Mayeaty		Bruno Perresult	Mrs. Eogente Frigon		Provincial Government of Department	New Drunswick.	Halcyon Hot Springs Co., His Majesty	Certificate of Title	Iludison Bay Company His Majeety Provincial Government of Dominion Gov. New Brunawick.
Date of Conveyance.	1917.	April 5	. 23.	8 R 8 R		25	May 4.		8	9	. 12	. 14	28

STATEMENT No. 2. Properties purchased or sold by the Department of Public Works of Canada, from April 1, 1917, to March 31, 1918.

# DEPARTMENT OF PUBLIC WORKS

### PROPERTIES PURCHASED OR SOLD

SESSIONAL PAPER No	. 19
--------------------	------

			Free transfer.	z	150 00	Free transfer.		1 00	Free transfer.		700 00	1,200 00	Free transfer.	100 00	Free grant.		10,441 59	4,000 00			5,037 14
Reservoir 119.96 acres	Lot "B" 43.7 acres-Lot "C"	Reservoir 35.68 acres	14,500 sq. ft	19,200 sq. ft		17,070 sq. ft	13,600 sq. ft	13-85 acres	9,236 sq. ft					Reservoir 106 acres		6 acres			10 acres		[12,740 sup. ft
	Teronto Harbour (10 meable of curgues, fundazionne, viue. Teronto Harbour (10 uit claim, 14t ze water 10t "B," north of Harbour improvements Commissioners new weter that not annel, and 2nd ze water lot		Transfer of whar with site thereof and ap-Government purposes		Sale of part of lot No. 8, Block 3, Plan 5A, Public Building Draimage Shollurne Ont	ernnent purpæses		water, state of a strip of land, 30 feet in Kaministiquia and Mis 13°85 acres. width, forming part of portion of Fort Wil- sion River Impvts.	Springfield, Government purposes	ding wharf		zon Dry Dock	ernment purposes		Fabre, Timiskaming, Que. Conveyance of land being part of lot No. 513. St. Charles River Im-6,698 sq. ft	for wharf.		for Post Office	for whart	quan harbour, Que. Espropriated land, Tp. of Lamlippe, Pontiac Quinze Lake Reservoir	
part of lot No. Timiskaming 44, Range III, Dam.	kaming, Que. "B," north of Har 2nd re water lot	Expropriated land at township of Guigues, Timiskaming Timiskaming One.	thereof and ap. Gov. B.	a thereof and arbour. N. B.	ck 3, Plan 5A, Pub	Transfer of wharf with site thereof, Kennebe-Government purposes casis Island. N.R.	thereof, Bays.	nd, 30 feet in Kan on of Fort Wil-		Transfer of water lot on Moulies River, N. 3. I.anding wharf. Absoloment of land, being lot No. 14 Govenment wharf.	indsor, Ont.	5 east part of village of Lau- Lauzon Dry Dock.	zon, Que. Gov-Transfer of that piece of land and land Government purposes.	F	t of lot No. 513 St.	lot No. 44, Na. Site	re contract for	revetment wall, Burlington, Ont. Srant of part of village lot No. 1, R. I of vil. Site for Post Office	lage lots, Cardinal, Ont. Abandonment of land on east side of Natash-Site for whart.	alippe, Pontisc Quir	^{COA} , ^{QUE} ,
Expropriation of land being part of lot No. [7] 44, Range IV and lot No. 44, Range III.	Township of Guigues, Thmiskaming, Que- uit claim, 1st re water lot "B," north of new western channel, and 2nd re water lot	bropriated land at townsh fimiskaming One	ransfer of wharf with site the proach thereto. Bavaide, N.B.	Transfer of wharf with site thereof anisycach thereto. Beaver Harbour, N.	t of lot No. 8, Blou	ransfer of wharf with site the casis Island. N.B.	Transfer of wharf with site thereof, Bays	when, r	Transfer of Hatfields wharf,	water lot on Mouli ont of land. beind	Car Sale of Bollock motor generator set.	No. 5 cast part of	zon, Que. ansfer of that piece of land and land covered by water near north eastern end of	Ferro road, Cardigan South, P.E I. Jease for all claims, etc., for damages caused by flooding of lot No. 41, R. II, Tp. of	Fabre, Timiskaming, Que, nveyance of land being part	n of SL, nocu Noru, sion of land being 1	tashquan, Que. Release for all claims, etc., re contract for	revetment wall, Burlington, rant of part of village lot No.	lage lots, Cardinal, Ont. bandonment of land on east	quan harbour, Que. xyropriated land, Tp. of Lat	ull claims in re sa n, N.S.
Expropriat	Townshi Iarbour Quit claim sioners new west	Expropriat	Gov.	<u>e</u>	:	Gôv.	" Transfer o	-	Gov-	. =	Car	S ³		1	Conveyance	Expropriat	-	Grant of p	Abandonm	Expropriat	
ation	Toronto Harbor Commissione	ation	ment of Dominion	-	o, et ux His Maje	ment of Dominion	r 7	: Pacific His Maje ay.	of D	u ernuen	Ottawa		ince Ed. Dominion ernment.	His Majesty		ation	His Majesty	idow)	ment	ation	M c K a y His Majesty
Notice of Expropriation.	His Majesty	Notice of Expropriation	Provincial Government of Dominion New Reimawick	No. of the second	Frederick C. Dance, et ux His Majesty	Provincial Government New Brunswick.	z	The Grand Trunk Pacific His Majesty. Railway Company.	Provincial Government	New Drunswick.	His Malesty	Estate Edouard Ruel.	Government of Prince ward Island.	Alex. Caya	City of Quebec	Notice of Expropriation	D. G. Stewart	Sarah E. Leacy (widow)	Notice of Abandonment	Notice of Expropriation	Katherine A. M (widow).
			June 15		и 16				. 22			. 28	Aug. 17	Sept. 13		- 26		Oct. 1			Nov. 7

1	
4	
N	
2	
~	
24	
of	
nt	
	5
9	
0	¢
10	1010
the	0.0
the	
-	
-	01 10
by the	10
by t	10
by t	
by t	10
-	1 04
by t	1 04
by t	10
sold by t	Nr 04
sold by t	Nr 04
by t	1 04
sold by t	Nr 04
or sold by t	Nr 04
sold by t	Nr 04
or sold by t	Nr 04
or sold by t	Nr 04
or sold by t	Nr 04
hased or sold by t	Nr 04
hased or sold by t	Nr 04
hased or sold by t	Nr 04
hased or sold by t	Nr 04
or sold by t	Nr 04
purchased or sold by t	Nr 04
purchased or sold by t	Nr 04
hased or sold by t	Nr 04
ies purchased or sold by t	Nr 04
ies purchased or sold by t	Nr 04
ies purchased or sold by t	Nr 04
ies purchased or sold by t	Nr 04
ies purchased or sold by t	Nr 04
purchased or sold by t	Nr 04
roperties purchased or sold by t	Nr 04
roperties purchased or sold by t	Nr 04
ies purchased or sold by t	Nr 04
-Properties purchased or sold by t	Nr 04
-Properties purchased or sold by t	Nr 04
-Properties purchased or sold by t	Nr 04
roperties purchased or sold by t	Nr 04
2. Properties purchased or sold by t	Nr 04
2. Properties purchased or sold by t	Nr 04
2. Properties purchased or sold by t	Nr 04
2. Properties purchased or sold by t	Nr 04
-Properties purchased or sold by t	Nr 04
No. 2.—Properties purchased or sold by t	Nr 04
r No. 2. Properties purchased or sold by t	Nr 04
r No. 2. Properties purchased or sold by t	Nr 04
r No. 2. Properties purchased or sold by t	Nr 04
r No. 2. Properties purchased or sold by t	Nr 04
r No. 2. Properties purchased or sold by t	Nr 04
r No. 2. Properties purchased or sold by t	Nr 04
RMENT No. 2. Properties purchased or sold by t	Nr 04
RMENT No. 2. Properties purchased or sold by t	Nr 04
RMENT No. 2. Properties purchased or sold by t	Nr 04
r No. 2. Properties purchased or sold by t	Nr 04

											9 GEC	RGE	V, A.	1919
Price.	-8 cts.	800 00	1 00	71 46	250 00	75 00	00 00	77 50	1,342 10	Exclange of property.			8,747 49	
Area.				Reservoir 71 46 acres		0.57 acres	Reservoir 50.03 acres					2-61 acres.	28,555 sq. ft. eng. measure.	
For what purpose.		Private enterprise Drainage of Pub. B'ld'g			:	Site for wharf				Drill II.all Site	Dam.	Kaministiquia River Im provements.	Dry Dock	
Description of Property.		H. A. Carignan. Sale of building at Grand Miev, Que	of his land, Picton, Ont. Bill of sale re steam tug "Dorothy Symons".	Release for all claims for damages caused by Tuniskaming floxding of lot No. 49, R. IV, Tp. of Dum.	Guigues, Timiskaming, Que. Release for all chains for damages caused by	sale of land, Fcum Secum, N.S.	Release for all claims for damages caused by Timiskaming thooding of lot No. 42, R. IV, Tp. of Dam.	Guigues, Timuskaming, Que. Purchase and removal of old shed shading on	Thomas Lawson Sale of senap bues and wrought iron, Victoria	many mujpation version of the Sr, Sk, Drill Hall Site Correlation of the re-portion of the Sr, Sk, Drill Hall Site James parcial, Winning A.M. Certification of owner-other period of black l'Timiskaming. Reservoir	¹¹ C. ¹¹ and re lots Nos. 324, 329, 332, 334, 537, 537, 537, 537, 540 and 341 on north side of Melville S4, and lots Nos. 339, 333, 338, 339 and 342 54, and lots Nos. 339, 350, 558, 539 and 342 54.	0n: Expropriation of land louing part of lot No. 8, Kaministiquin River Im ² 61 acres. Into Cons. Th. of Needburg, Fort William, provements.	Out	
Purchasers.		J. A. Carignan. His Majesty			:		-		Thomas Lawson	or comis, trut.				
V endors.		His Majesty David Tohn Barker.	The Waterous Engine	Works, Ltd. Eusebe Boucher	Archie McLaren.	John David Pye and Stella	May Fye. Eugene St. Pierre.	E. V. Dodge.	His Majesty	Certificate of Title		24 Notice of Expropriation	Alphonse Letellier His Majesty	
Date of Conveyance.	1917.	Nov. 7	. 12.			. 21	15	1 22 1		Dec. 17				

### 144

### DEPARTMENT OF PUBLIC WORKS

SESSI	IONAL F	PAPE	R No	. 19											
1 00	Free transfer.		Exchange of property.		Exchange of		440 00	60 50	500 00	640-00	228 25	287 50	400-00	150 00 975 00	00 006
	0.56 acres	137,269 sq. ft.	Eng. measure.	During pleasure.	-	29,799 sq. ft.	20'15 acres	Reservoir 4.10 acres	86.04 acres.	Reservoir 47.75 acres.	4-35 acres	38-5 acres		68-25 acres	88-£0 acres
vernment Wharf	oulies River Wharf		ill Hall Site		ill Hall Site	e for Office Building.	inze Lake Dam	miskaming Reservoir Dam.		uniskaming Reservoir Dam.	=	-	2	te for Telegraph Office. imze Lake Dam	
John L. Murphy, et al [His Majesty] Grant of hard being composed of he. No. 14 on north aide of Santwick Sk., Window,	Dept. of Public Transfer of portion of lot No. 29, Richthuedo Moulies River Wharf	Port Credit, Ont. Port Credit, Ont.	Nos. 2; 4 and 6, Village of Lauzon, Que. Certificate of the re for No. 195, being por. Drill Hall Site	ish, Winnipeg, Man. Agreement re operation of line from Osoyoos to Kamloops, B.C., via Fairview, Hedley,	Lettificate of title rip portion of lot No. 57, St. Drill Hall Site Isono motify Wishings, Man	Expropriation of westerly \$ of lot No. 12 and Site for Office Building	northerly where of Albert St., Ottawa, Ont. Release for all chains for damage caused by Quinze Lake Dam 20 15 acres Release for all chains for damage caused by Quinze Lake Dam	https://limiskaming.Que. Release for all claims for damages caused by Timiskaming flooding of lot No. 1, R. JL, Tp. of Latt. Dam.	lippe, Timiskaming Que. Release for all claims for damages caused by Quinze Lake Dam flooting of lot No. 36, R. V. Tp. of Latu-	hppo, Timistaming, Que. Release for all claims for damages caused by Timistaming flooding of lot No. 5, R. IX, TP. of Latu- Dam.	hppe, Thuiskaming, Que. Release for all claims for damages caused by flooding of lot No. 21, R. VII, Tp. of Latu-	lippe, Timiskaming, Que. Release for all claims for damages caused by flooding of part of lot No. 9, Tp. of Casey,	Timiskaming ,Ont. Release for all chains for damages caused by flooding of lot No. 3, on east side of Lake	Shore root, Tr. eff Dynamed, Ont. Shore root its Xo. Ib, Riock 30, Tellwar, B. C	InterAstung Vue. Release for all claims for damages caused by flooding of lot No. 29, R. VI, Tp. of Latu- lippe, Timiskaming, Que.
tis Majesty	Works, of Public 1 Works, or Public 1 Orporation of 1	Credit.	His Majesty	ovt. Telegraph			His Majesty I					:			:
	Dept. of Indian Affairs Dept. of Public Works	Notice of Abandonment	Certificate of Title	Pacific Telephone & Tele Govt. Telegraph graph Co.	Certificate of Title	Notice of Expropriation	Joseph Paquin.	7 William Hamel	Bruno Beaudet.	Chas. Rhéault.	J. A. Fugère (P.P.)	21James K. Green	Wm. R. Reay	North Coast Land Co., Ltd. Oner Hamel	11 Ovila Brosseau
Jan. 2		19	. 28.		. 29	Feb. 6	6	7	18			. 21	25	Mar. 4	11

### PROPERTIES PURCHASED OR SOLD

STATEMENT No. 2.—Properties purchased or sold by the Department of Public Works of Canada, from April 1, 1917, to March 31, 1918.—Concluded.

				9 GEOI	
Price.	* cta. 30 00			5, 463 56	Free transfer. 
Area.	306 mj. ft.				
For what purpose.	Right of way of Regim and Dirycs Brandros and Dirycs Brandros New Government Office Duilding.		St. Andrews Rapida Lock and Dam.		Site for wharf
Description of Property.	Advantament of spacicly 2 feet of late No. 10 cost of the No. 10 constrained a spacicly 2 feet of late No. 10 cost of the No. 10 convertinely subort Manual Raph of way of Regin Random Pacific Fents of Back to visually of Latt Manual Raph of way of Regin Random Yang San and San and San and San and San and San and Random San and San and San and San and San and San and Random San and San and San and San and San and San and Random San and San and San and San and San and San and Other Manual And San and San and San and San and Other Manual San and San and San and San and San and Other Manual San and San and San and San and San and Other Manual San and San and San and San and San and San Other Manual San and San and San and San and San and San Other Manual San and San and San and San and San and San and San Other Manual San and San Other Manual San and San and San and San and San and San Other Manual San and San Other Manual San and	The following items were received too late for insertion in last year (1916-1917) annual report.	Sale of pertum of river lot No. 103, between St. Andrews Rapids Lock River road and Red River, Man.	Receipt in full settlement of all claims re Win- nipeg. Man., drill hall contract.	Transfer of prices of w w 4 of Sect. 20, Th A, Sitte for what' R. R. N. Nireby, Man. & Johan for damage sources by Thinholming Reserver Research of Johan for damage sources by Thinholming Reserver 1983, Vill-March Open, Dist Net 1982, Dun. 1984, Will Staten for damage sources by Thinholming Research Restanting of Internet for damage sources by Thinholming Research Restanting of Internet for damage sources by Thinholding Research Restanting of Internet for damage sources by Thinholding Research Restanting of Internet for damage sources by Thinholding Research Restanting of Internet for damage sources by Thinholding Restances and Restanting and Resta
Purchasers.	Canadian Pacific Railway Go. Hia Majeety	o late for insertio	llis Majesty		His Majesty
V endors.	Notice of Abarrhamment His Majouty Wong Joal	wing items were received to	Thomas Smith	Carter-Halls-Aldinger Co., Ltd.	Certificate of Title La Cie des Pères Oblata de His Majesty Marie Immaculies Louis Pilon.
Date of Conveyance.	1918. . 12 	The follo	June 27 1915.	Now. 15 1916.	May 15

### DEPARTMENT OF PUBLIC WORKS

### PROPERTIES PURCHASED OR SOLD

SI	ESS	ION	AL PA	PER	No. 19	
	Free grant.	120 00	85,330 00 ulus interest	5%.	370 00	
	200 ft. x 100 ft Free grant.	*****			a acre,	
		Temiskaming Reservoir Dam.	Site for Public Building.		Road to wharf Timiskaming Reservoir Team	-
	Grant of west 3 of lot No. 7, blook 5, Telegraph Office.	Release for all claims for damages caused by Temiskaming Reservoir. flooding rast of lot No. 46, R. 2. To. of Dam.	Fabre, Triniskaming, Que. Jelesso for all Jarims, etc., in: et a tratta cer: Site for Public Building tain parcel of land being metr of lot No. 24.	on n.w. cor. of John and Main Sts, and 2nd, of certain parcel of land being part of lot No. 24, on w. cor. of John and Main	Notice of Kyroperiation	-
_	" Gn	Re	- Re-	0612	His Majesty . Ins	-
	L Jan. 16 J. L. Legare	Fab. Z. Joseph Pelchat.	Mar. 6 Margaret Hunting		Notice of Expropriation	
1917.	Jan. 16	Feb. 27	Mar. 6		28	

-	
0	
M	
-3	
2-0	
11	
pri	
H	
2	
4	
-	
-	
3	
8	
-	
Ö	
0	
144	
-	
E	
bli	
A	
0	
t o	
nt o	
ent o	
nent o	
ment o	
tment o	
rtment o	
artment o	
partment o	
epartment o	
epa	
Department o	
epa	
operties leased to and from the Depa	
roperties leased to and from the Depa	
roperties leased to and from the Depa	
operties leased to and from the Depa	
roperties leased to and from the Depa	
roperties leased to and from the Depa	
-Properties leased to and from the Depa	
roperties leased to and from the Depa	
-Properties leased to and from the Depa	
<ol> <li>3.—Properties leased to and from the Depa</li> </ol>	
<ol> <li>3.—Properties leased to and from the Depa</li> </ol>	
<ol> <li>3.—Properties leased to and from the Depa</li> </ol>	
-Properties leased to and from the Depa	
<ol> <li>3.—Properties leased to and from the Depa</li> </ol>	
<ol> <li>3.—Properties leased to and from the Depa</li> </ol>	
<ol> <li>3.—Properties leased to and from the Depa</li> </ol>	
<ol> <li>3.—Properties leased to and from the Depa</li> </ol>	
<ol> <li>3.—Properties leased to and from the Depa</li> </ol>	
MENT No. 3Properties leased to and from the Depa	
EMENT No. 3Properties leased to and from the Depa	
EMENT No. 3Properties leased to and from the Depa	
EMENT No. 3Properties leased to and from the Depa	
MENT No. 3Properties leased to and from the Depa	

										9	GEC	RGE	ν,	Α.	1919
Rental.	8 cts.	125 p. month, (monthly).	361.25 p. ann.	0.40c, p. ann. per sq. ft. 200 per annum.	336 p. annum.	1,520 p. ann.	May 20 per month there: rom	20.84 p. month (monthly.)	50 per month.	Tay, 1917. Tth 3.056.50 p. ann.	5,670. p. ann.	or occupation. yr. from 8th 183.62 p. m'th. Anr '17	23 per month.	3 per month.	125 p. annum.
Duration of Louse.		From month t 125 p. month, month from (monthly).	1 year from Apr. 361.25 p. ann. 30 1917	5 years varea 20, 0,402, p. ann. 000 sq. ft.) 1 year from June 200 per annum.	During pleasure 336 p. annum. (84 miles at \$4	l year from Apr. 1,520 p. ann. 17, 1917	From 1st May '17 and thore- after from		3 yrs. from let 50 per month. May, 1917.		5 yrs. from date 5,670. p. ann.	1 yr. from 8th Anr '17	1 yr. from 1st 23 per month.		1 yr. from 1st Jan. '17.
For what purpose.		National Service.	Inspector of Weightsand	Militiu and Defence Post Office	Gov't purposes	Militia and Defence	Public Works Dept					National Service	Immigration.	Immg. Inspector	Post Office.
Description of Property.		Lease of room N., 68 on 5th and room No. 52 National Service. on 4th flow of building, Ridean et., Ottawa,	Lease of 425 sq. ft. on 2nd floor of "Board of Inspector of Weights an- Trade of Philo", Calcore Alto	Lease of four floors of "Lowe-Martin B'ld'g," 175 Nepean st., Ottawa, Ont. Lease of building at Weymouth, N.S.	Danacan Telephone Co Public W or ks/Renthal of space on Go's pole line, Vernon to dive't purposes Department. Prenticion, B.C.	Lease of 3rd floor of building, cor. Emmett & Militia and Defence. Levis etc. Ottawa Ont	Lease of 170 eq. ft. on 1st fhoor of b'ld'g No. Public Works Dept., 27 Platon at., Three Rivers, Que.	Lease of two rooms and vault in b'ld'g 94 Naval Service Dept Prince William &, St. John, N.R.	Lease of a two storey frame bld'g, Donnelly Immig. Hall. (Fulker), Alta.	before first fiver, Alta.	assertion of the second state of the second st	Dank Did g. Sparks st., wrawa, Ont. Lease of rooms on Srd, 4th and Shf floors of National Service. "Canada Lift, PRId' "Ottawa Ont	Lease of offices 200 and 208 on lots 23 and 24, furnigration, block 14, Medicine H & Alta.	Rental of premises on corners of International Immg. Inspector . Boundary and Meridian Row.19, Blaine-	Wash., Donglas, B.C. Lease of 2023er, ft. of lot No. 67, St. Felix de Post Office
Lossees.		His Majesty			Public Works Department.	His Majesty.		-						-	
Lestors.		La Banque Nationale	Nova Scotia Trust Co., Ltd	Lowe-Martin Company, Limited. Thomas C. Rice.	Okana an Telephone Co	Capital Storage Company, His Majeaty.	La Cie d'Imprimerie et de Publicité de Trois- Rivières.	Jarvis Verner McLellan.	Eugene Gravel	& B. C. Ry , Company. The Royal Bank of Canada	C. Jackson Booth	Canada Life Assurance Connany.	W. Buckvale & S. T. Houer.	Richard Asbeck.	Alcide Plouffe
Date of Lease.	1917.	Apr. 4	8 ;	- 14	. 19	. 24. 1		. 31	May 1		. 11	. 11	14	16	- 19

### DEPARTMENT OF PUBLIC WORKS

3E33N	JINAL	FAFE		0. 11													
from 1st 540 p annum. 17. 17. 17. 17.		5 yrs. from 1st 5 per annum. May, 17. 5 yrs. from date 420 p. annum.	of occupation. yr. from 1st 175 p. annum.	5 yrs. from 15th 1,800 p.aunum. Aug., '17.	0 per mi.	Lease of rooms No. 801, and 803 in bld/g cor, [Insp. of War Profits Tax. From 1st July 17 [56, 25 p. month. Main st. and William ave. Winninse, Man. ation.	0 per	3 yrs. from 15th 16,500 p. ann.	Ann.		after. From month to 63 per month month from imonthly.)	yr. from 1st 43 per month. Sept., '17.	Construction of the second floor of building, hash, of British Immi, I year from 1st 180 p. annum.	From 1st Sept., 343.14 p. ann. 1917, to 30th	Lease of part of ground floor of "Rink and Customs Examing Ware, ^{[2} yease from date [29] p. month. Auditorium Block," Queen St. South, Kit house.	year from 1st 1,440 p. ann. Aug., 1917.	Corporation of Lusaved pareed of hard on n.e. side of harbour, Municipal Building, &c. [During pleasure, It per annum. Vilgeod Peerl Poer Credit, Ont.
d 005		120 p. :	r4 g21	d 008'1	5 yrs. from date 6,814.80 of occupation. annm	36.25 p	yrs. from 5th 7,225.90	16,500	3rd 5,000 p. ann.		after. con month to 63 per mc month from "monthly.) Lob. 6 '17	43 per	180 p.	343.14	120 p.	1,440 1	1 per s
	-squa	date 4	1 lst	15th	date (	ly 17 5	5th	15th	3rd	yrs. from 3rd July, '17 and to continue there-	om to	1 lst	1 1st	at Sept., to 30th	date tion.	1 1st	sure.
yrs. from May, '17. yrs. from June, '17.	During occupa-	May, 17. yrs. from	of occupation. yr. from 1st	yrs. fr.yn Aug. '17.	from	rom 1st July 17 to 31st Dec. 18.	yrs. from	from	July, '17.	yrs. from 3rd July, '17 and to continue there-	after. rom month month fro	noni 17.	year from	lat S to	cept., 1321. rears from dat of occupation.	ear from Aug., 1917.	g plea
3 yrs. May 3 yrs. Jun	During tion.	o yrs Mar 5 yrs.	1 yr.	5 yrs.	5 yrs. of o	From to 3	5 yrs.	3 yrs.	a vis Jul	5 yrs. Jul con	From n month Lol. 6	l yr.	1 yea	From 18 1917,	2 year	1 yea Au	Duri
ov't.			÷			s Tax.			-	-			Immi-	ctor	Ware-	ļ	s the .
eral 6	7.		ector	Whous	N U	Profit	68	lefonce			ler	rior	itish	Inspec	՝ Ձո'ւս	п "Е	ilding
 of Fed	urpos-	hau. hee	es Insp	E'x'g V	Station	f War	f Mine	and D			ontrol	f Inte	asp. of British	ration	is Ear	Statio	pal Bu
The set of the se	Public Works Department, Dept. of Milkin Lease of Bud Hor of Turny, 5 Vidy, Pier No. Gov't purpose and Defence. 2, Halika, N.N.	Lease of lots 19, 20 and 21, Block 2, Grande Hung. Hau Prairie, Alta. Lease of ground floor of two storey b'ld'g, PostOffice	floor of Fisheries Inspector	Lease of two adjoining rooms in bld'g at Custs. E'x'g W'house Brandon, Mar	St. Postal Station "N".	ation.	Lease of "Free Press Bld'g," Sparks st., Dept. of Mines.	Militua and Defonce.			The Excelsion Life Insur-His Majesty Lesse of room No. 302 on 3rd floor of bld's Food Controller, ance Company.	Lease of the whole of 2nd floor and part of Dept. of Interior	Insp. o	CHORPE TAY ALITINGTON TO VOY A. N	Customs house.	cuencer outs from and busement of build- Postal Station "E" ing cor. Bloor and Markham Sts., Toronto,	Munici
5, 6,	No.	rande 'ld'g, l	or of	'g at	St.	Pase of rooms No. 801, and 803 in bld'g cor. I Main st. and William ave., Winnings, Man.	8 st.,		Anglo-American Agreement re payment of annual subsidy for Telegraph Co. Protestion of telegraph line in Prince Edward	Prince Edward Agreement re operation of telephone system Island Tele- in Prince Edward Island, phone Co.	b'ld'g	ilead,	lding.	oor of Ont.	Auditorium Block," Queen St. South, Kit,	build-	bour,
ton, N 2, 3, 4 of Fe	Pier	-Z, (r) wey k	d flo	a b'ld	b'ld'g	b'ld'	Spark	Ont.	subsid nev Ec	one s	r of to, Or	nd pe Jian J	of bui	ttawa	"Rin South	nt of '	of hat
Stellar come	b'ld'g	Block wo sto	on 3	otns 1	or of real. (	803 in Winn	ď.g.,	ttawa	in Pri	teleph	rd floi Toron	loor a	d floor	St., C	or of en St.	anı St	e. side
a st., S with 1	rt, B.	d 21, : of t	Turft.	ing ro	Mont Mont	1, and mave.	88 B'I	. st., O	tt of ai ph line	on of sland.	2 on 3i le st.,	2nd 1 tain s	groun	and vi Sparks	and fic	and t Markh	l on n.
n Mai floor	Rupe or of ]	50 an	Que. 216 ac	udjoin n.	of grut.	No. 80 Willia	e Pré	Slater	aymei elegra	peration in the second is the	Vo. 30 Adelai	iole of d'g, M	nosun	No. 5 ing, 5	f grot	floor and	of land Ont,
shop o ground	Prince 2nd flo fax, N	ota 19 Alta groum	about.	two n. Ma	bast 3	coms.	μe. Out	b'ld'g,	nt re p on of t	at re o ce Ed-	n of 1	t of b	WO TO	Poom Build	part o	Fround Blool	parcel redit,
His Majesty         Lease of stop on Main st., Stellarton, N.S           op-          Lease of ground floor with rooms 2.3, 4, 5, 6, 7, 8, 9, 15, and 16, on 15, 40 or 04 Federal	block, Prince Ru ease of 2nd floor c 2, Halifax, N.S.	Prairie, Alta. Prairie, Alta.	Beauharnois, Que. Lease of about 216 sq. ft. on 3rd "MAC adv. Phylo," Holico, N S	pase of two ad Brandon, Man.	Lease of east 3 of ground floor of b'ld'g, Catherine st., Fast, Montreal, Ouv.	Main 8	onse of "Fre	Lease of b'ld'g, Slater st., Ottawa, Ont	greeme uperati Telund	greement re operation of in Prince Edward Island.	n co	lat floo	ease of two rooms on ground floor of th	COURSE 34, AURIMANDE ROYAL, A.S. ase of room No. 5 and variet on 1st floer of "Birks Building," Sparks St., Ottawa, Ont.	ase of Audito	cnemer, Ont. ase of ground floor and basement of build- ing cor. Bloor and Markham Sts., Toronto,	one. ease of parcel of le Port Credit, Ont.
Le	tia Le		<u> </u>	- Fe	1	<u>2</u>	Lo	Le.	io. Ag	ird Ag	Le		Lee	131	- 2		ofLe
jesty.	ept. of Militi and Defence.	lesty.							Americ raph C	Edward Tele-	jesty						or poration of Village of Port Credut,
tis Ma	ept. c and L	is Ma	=	=	-	1	-	:	nglo-1 Teleg	Island phone Co.	lis Ma	:	-	-	:	-	orpor Villag Credit
iop.	ent. D	rien		-	1	1	ited.	Lim.	¥		H H	ent.	:	lirks	udi-	:	:
Develop	partm	Lunw & Cyl	anyan	offer.	od	anada	, Limi	Sons, 1			ife Ir	n Osm		. Н. F	and A d.	:	
ler. B. C.	rks De	nton, Ry. Ce Leduc	ust Co	Kir.h	Limit	k of C	Ittawa			···· A	sior L	ta An	ortier	rks, J V. Birl	Rink o., Lt	Mulli	··· A:
W. G. Miller Northern B. C.	ic Wo	The Edmonton, Dunvegan His Majesty & B. C. Ry. Co. Ferdinand Leduc& Cyprien	Fortier. Eastern Trust Company	Clara	La Patrie, Limited.	Union Bank of Canada.	Realty of Ottawa, Limited.	H. N. Bate &	His Majesty	Majest	Excel ce Con	Mrs. Loretta Ann Osment.	Thos. H. Fortier	W. M. Birks, J. H. Birks and G. W. Birks.	The Berlin Rink and Audi- torium Co., Ltd.	Alexander Mullin.	His Majesty
. W. C	Publ	Ferd	. East	Mrs. Clara Kir.hoffer.	. La P	. Unio	Real	H.N	His M	. His Majesty	. The		. Thos	W. )	. The tor		His.
25				1						3	5	÷					
25.		њ 8 П	13	14	23	17	28	29.	y 3	ri,	5.	13	y 14	17.	18.	19.	21
	-	June	-	5	-	-	-	-	July	-	-	=	July	-	-	-	-

### PROPERTIES LEASED

SESSIONAL PAPER No. 19

STATEMENT No. 3.—Properties leased to and from the Department of Public Works of Canada, from April 1, 1917, to March 31, 1913—Continued.

Rental.	& ctu.	5,100 p. ann.	2,500 p. ann.	1,500 p. ann.	I p. annum (re newable).	631.20 p. ann.	000 p. annum	1 p. annun.	rom date of oc. 1,321.60 p. ann cunation to 2nd (renewable)	2,100 p. ann.	5 p. annum.	210 p. month (monthly).	5 p. month.	486 per ann.
Duration of Lease.		From date of oc- cupation to end	of present war.	29 nonths from 1,500 p. ann. 1st Aug., 1917.	I year from 1st I p. annum (re- Aug., 1917.	1 year from 1st 631.20 p. ann.	5 years from 22nd 600 p. annum	During pleasure, 1 p. annun.	From date of oc- cupation to 2nd	Jun., 1919. 5 years from date 2, 100 p. ann.	10 years from 1st 5 p. annum.	From month to 210 p. month month from (monthly).	2 years and 107 months, from 1st March,	1 year from 1st Nov., 1917.
For what Purpose.		lusp. of Artillery Stores.	Food Controller and staff.	Public Works Dept	Home for Children	Supt. of Railway Mail	Post Office.		Printing Bureau and Sta- tionery Branch.	Postal Station	Private purposes	396-404 Wellington Storage of Exhibits Agriculture.	Board of Pension Com- missioners of Canada.	Inland Revenue Dept
Description of Property.		Lease of two-story building Nos. 306, 308 and linep. of Artillery Stores. Pront date of oc. 5,100 h. ann. 310 Shacka SE, and Gazage, No. 309 Queen	St, Ottawa, Ont. Stassof 2nd Horr of "Bank St, Chambers," Food Controllor and staff, 1 of preservoin date 2,500 p. ann. Loss Boll-and Miller St. Ottawa, Ont.	Lease of Mices Fug. 704, 704, 704, 704 and 710 Public Works Dept in building on Notre Dame Ave., Winnipeg,	The Edmonton Lease of lots New, 14, 15, 16 and 17, Block 51, Home for Children Children's Aid Strathoona, Alta.	Lease of suites Nos. 412 and 415 in building Supt. of Railway Mail Loss 914 St and 14 You Genberoon Supt. Sources	Lease of room on ground floor with use of Post Office.	The Municipal Lease of lot No. 240 X and part of lot No. 235, Course of the Laschine, Que.	Fease of 1,600 st, ft, on ground floor and 456 Printing Bureau and Sta. From date of oc. [1,221.60p, ann. no. ft, of basement in building, cor. Dat. Genery Eranch.	homie and York Sta, Ottawa, Unt. Lease of ground floor of building, St. John Postal Station	Leonard Alleyne Lease of property known as "Government Private purposes	Reserve, 7 ale, B.C. Lease of premises Nos. 336-404 Wellington St., Ottawa, Ont.	Icases of rooms Nos, 707 and 710 and vault Beard of Pennion Court, 107,	Partice No. 212 in building cor. 214 Intard Revenue Dept I year from 14 1485 per ann. Nu and 1st Ave., Shakatoon, Saak.
Lesacea.		His Majesty	-		The Edmonton Children's Aid	Society. His Majesty.		The Municipal L Council of the Town of La-	chine. His Majesty	:	Leonard Alleyne	His Majesty	Ŧ	
Lessure,		Dunlop Tire and Rubber His Majesty.	J. G. Butterworth	The Notre Dame Invest- ment Co., Ltd.	His Majesty	. Imperial Canadian Trust Ilia Majesty.	Ephraim Humphrey	His Majesty	Royal Bank of Canada	Chas. Edward Alleyn	His Majesty	Andrew Holland.	R. L. & R. Blackburn	Imperial Canadian Trust Company.
Date of Lense.	1917.	ug. 26	26	31	- 1		- -	6 -	6	. 10 .	. 13	11	15	53

150

### DEPARTMENT OF PUBLIC WORKS

9 GEORGE V, A. 1919

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Branch Fi	and 44 normpary 4 Real Controller	2 2 12 12 12 12 12 12 12 12 12 12 12 12		Lass of Stronmin Multiples subjections all limps, of Weights and I W. (1991) High on and high strong biology and NB logical Y and the model model with the strong stron
Lowe Gab, eds. and M. Boso, ed. "Phasa Millia, & Defense, Building, "Biotanesis", Outsewe Can, Liesawe Dave Offers and S. Outsewe Can, in "Synthesis Bareys round for the III manipratism In "Synthesis Bareys and and a straightform for any off bare David properties and a straightform of the properties Lawas of promote near "Period Building" Pranning Machano. Lawas of promote near "Period Building" Pranning Inspectu. In a "Physics Report, Rice, or "Period Building Stranding Inspectu."	¹¹ Lease of two large floars, in utiliting Nos. 128 Milarge Series Hanni 2018 Sprateas, Outrow, Onti, and de Johnson Merke. In Lease of preprinsion are, except of Ard Avo, Rominion Lando Offs, Royal Series (1984), Outrob Millory (Joux, Data Millor, Schneider, Millor, Millo	Lease of premises Nos, 43 and 44 in company's fixed Controller, building, Spacka Sk., Ottawa, Ont. Lease of four rooma in "Stephen's Block," Ion. of Fisheris Prince Ruper, B.C.	Lessor of premises in ~0.01 Usion Hank Build: Pederal Government Usio: Weildows St., Outson, Onk, Build: Pederal Government, Usio: All part & freend Foor and two stalls. Duminent lands & Orem mark St., Starkows, B.K. M. Ne, and Stop. Thurst view. Lessor of Weiliging in Join Stoci. 11 and 12 a south Ocorement diffs	Lesson or Nuthington La Outshaw, Jakamont of Interior Department. "Union Bank building," Otawa, Ont. Losso of room Xo. Alt in "Union Bank Dept. of External Affi- building," Otawa, Ont.	Lands of 2 rooms in building on hals Not. 21 Inter, of W Lands 20, Block 156, Statistican Said. Meanners, Said, Statistican Said. Meanners, Said R. Buck, I, Town Humigration Land of Contr. Alls. And a Contr. Alls. Mean et of Day Not. Alls. Lands of statistican set of substantian Lands of statistican set of substantian set. Lands of statistican set. Not. 2023 and 1243 in hubble 2049. d Hy. 1 Lands of statistican set. Not. 2023 and 1243 in hubble 2049. d Hy. 1 Lands of statistican set. Not. 2023 and 1243 in hubble 2049. d Hy. 1 Lands of statistican set. Not. 2023 and 1243 in hubble 2049. d Hy. 1 Lands of statistican set. Not. 2023 and 1243 in hubble 2049. d Hy. 1 Lands of statistican set. Not. 2023 and 1243 in hubble 2049. d Hy. 1 Lands of statistican set. Not. 2023 and 1243 in hubble 2049. d Hy. 1 Lands of statistican set. Not. 2023 and 1243 in hubble 2049. d Hy. 1 Lands of statistican set. Not. 2023 and 1243 in hubble 2049. d Hy. 1 Lands of statistican set. Not. 2023 and 1243 in hubble 2049. d Hy. 1 Lands of statistican set. Not. 2023 and 1243 in hubble 2049. d Hy. 1 Lands of statistican set. Not. 2023 and 1243 in hubble 2049. d Hy. 1 Lands of statistican set. Not. 2023 and 1243 in hubble 2023 and 1243 in hubble 2023 and 1243 in hubble 2023 and 1243 and 1244 in hubble 2023 and 1244
fis Majosty	" " Quinlan & Ro bertson.	Assurance His Maiesty		: :	
Robe, Le Blaekburn,, His Majesty, Alesandrin Realty Co., Ltd. Sydney, Post Publishing James H. Thompson Northans B. C. Dawlop,	The Topley Company Wilson Bros	<ol> <li>19 Canada Life Assurance Company.</li> <li>20 Robt, L. Newman</li> </ol>	D. M. Finnie and Wm. D. Mortia. A. E. Sjoquist	R. L. & R. Blackburn R. L. & R. Blackburn	J. H. Canecov & Annie M. J. H. Canecov & Annie M. The Canadian Pacific Rail. Jros. D. McArchur & The Edmonton Dunvegan & B. G. Railway.
. 24	6	. 19	21		

SESSIONAL PAPER No. 19

17,	
191	
Ξ.	
-	
Ŧ	
pril	
V	
Ξ	
rom	
44	
E,	
ä	
an	
Ö	
of	
2	
Ik 8	
or	
11	
0	
110	r.i
7	tec
4	11.2
of	24
+2	0
en	Ť
E	18-
ar	6
e	Π.
А	31
0	
4	rel
u	Ma
10	
144	\$
nd	
8	
\$	
÷	
180	
les	
et,	
tie.	
1	
ê	
2	
ŝ	
°.	
%	
[⊷	
EN	
N	
T	
E	
Ù,	

				9 GEORGE	V, A. 1911
 Rental.	\$ cts. 150 p. annum. 1 00 p. sq. ft. p. annum. 88,711.84 por annum.	113 p. annum. 250 p. annum.	yr, from 17th 120 p. month. Nov. 17. Yr, from 16th 40 p. month. Dec 17. Dec 17. Dec 17. Dec month.	(monthly.) (monthly.) 480 p. annum. 125 p. annum. 70 p. annum.	150 p. annum. 1,200 p. annum.
Duration of Lease.	\$ cts. 2 res. from 20th [20 p. annum. crown data (cs. 10 q. p. ft. inty 27 (cs. 10 q. p. ft. July 27 (cs. 10 q. p. s. ft. 2 res. for a res. ft. 2 res. for an res. ft. es	<ol> <li>yrs. from 1st 113 p. annum.</li> <li>Aug. 17.</li> <li>yrs. from 1st 250 p. annum.</li> <li>Sept. 17.</li> </ol>		recondition of the month, and the second sec	1 yr. from 23rd 150 p. annum. Oct. 17. 5 yrs. from 1st 1,200 p.annum. Sept. 17.
For what purpose.	nent	Post Office	Interior Department Chf. Pire Ranger of In- terior Dreiges Supt. of Dreiges	Dent Dent Dent Dent Dent Dent Dent Dent	
Description of Property.	Davas, of appear on ground floar of building, [bot Office	on Queen st., Ottawa, Ont. Loaser of rooms in building, Stanstead Plain, Post Office	Figura 4, editory former ground for early libration Libration Libra 1, 200 (200 (200 (200 (200 (200 (200 (200	2. Manual and the summer matrix planning and planning	Meter, Ott. Meter, Ott. Meter, Ott. Amber, Ott. Meter, Ott. Meter, Ott. Lesse of room on 1st fory of "Cameron Block" [hep- of Drollogies Lesses of the extern period of ground flock [hep- of Drollogies Lasses of the extern period of ground flock 20, Victoria et., Kambogs, B.C.
Leveres.	His Majesty				
Lessors.	<ol> <li>A. Y.eager</li> <li>J. A. Y.eager</li> <li>R. L. &amp; R. Blackburn</li> <li>R Imperial Realty Company.</li> </ol>	G. B. Terrill J. Paul Tardivel	Archibald Galbraith Canadian Bank of Comm- erce. Wim. M., John H. & G. W. Birks. Norce Investment	Company. Company. The Canada Life Assurance Co. Alcide Plouffe The Grand Trunk Railway. Company.	Horace Hazard John Freemont Smith
Date of Letase.	1917. 9. 11	12	5 7 15	29. 29.	57 85
	oet -	. Nov.			

DEPARTMENT OF PUBLIC WORKS

9 GEORGE V. A. 1919

5233	IUNA	L P.	APER	140.	19										
22 per month.	3,081.50.	yr. from 1st 3,240 p.annum.	from date of (monthly.)	3 yrs. from 12th 350 p. month. Dec. '17.	2,500 p.annum.	yr. from date 105 p. month.	yr. from 20th 104 p. annum. Sept.'17 and to continue and		5 per month	1st 250 p. annum.	year from 1st 50.00 p. month Fob. 1918.	Per bbl. of ce- ment 2c. per	두	From 25th Oct. 1,820.12 per 1917 to end of annum,	100.00 por month.
om 20th Nov. 17 to 31st Mar.	18. yr. from 7th 3,081.50. April '18.	from 1st	th to month m date of	occupation. yrs. from 12th Dec. '17.	yrs. from 29th .fav. '18	. from date occupation.	yr. from 20th Sopt.'17 and to continue and	from yr. to yr. untilcancelled	from 1st July 5 per month	from '18.	ar from 1st b. 1918.	an. 1918 to ept. 1918.	rom month to month from date of occupa-	cion. 2011 25th Oct. 1,820.12 1917 to end of annum,	From 14th Dec. 100.00 per 1917 to 1st month. May 1918.
nom 17	-	1 22	freen.	- ave	2 yrs	. 1 yr	. 1 yr So coi	2,5 8	fron fron		Fe	r lst J	hron hron da	. Fron 191	From 1917 May
Railway Commission	Geological SurveyBranc Dept. of Mines.	Postal purposes	Naval Transport Officer	Customs Department	Railway Mail Service	Railway Commission.	Government purposés		Immigration	Weights and Measures.	Lands and Mining Re. 1 corder-(Int. Dept).	Storage of cement for 1st Jan. 1918. Parliament building. 1st Sept. 1918.		Auditor General Staff	Recruiting offices
Lesses of rooms in building No. 519 Pender st., [Railway Commission  from 20th Nov./22 per month. Vancouver, B.C.	Lease of ten (10) offices on top floor with por- tion of basement and vault in building on: Dept. of Mines.	Diarks and Metcalfe sts., Ottawa, Ont. Lease of room on ground floor of "Station Postal purposes., hubbles, "Postion Sciences, Cond- tional Provider and Provider Station Postal Purposes."	Contrainty, Arguna, Sask. Contrast of 7 doings and variable " "Stockton Naval Transport Officer month (A.85 p month building," '94 Prince William st., St. John, From date of (monthly.) from date of (monthly.)	Lesse of ground floor with room in basement Customs D-partment. of building near cor. of 23rd st. and 2nd	are., Sestatoott, Sastatoott, Sasta. Leaso of Set floor of building, cor. Sparks and Railway Mail Service 2 yrs. from 29th 2,600 p.annum. Florin ets. Offenso. Ont	Lease of rooms Nos. 806 to 809 inclusive on Railway Commission	Agreement releasing to (jovermment one gal. Govermment purposes, vanized iron metallic circuit on $\mathbb{Co}^{5}$ poles between limits of $\mathbb{Clty}$ of Quebec and Notre	Dame des Laurendos, Que.	Leese of room in building, Edmundston, [Immigration	Lease of 3 rooms with front and rear entrance Weights and Measures, on ground floor and lavatory in basement of	Dunding, 300 Water st., "cerborough, Out. Lease of 1,050 sq. ft. of "Kerr building ", Le Pas, Manitoba.	Lease of 2 bins in "Stock House building", Storage of coment for list Jan. 1918 to Per bhl, of co- Pointe aux Trembles, Quebec.	Lease of rooms Nos. 569, 510 and 511, in build- Director of ing No. 63 Sparks st., Ottawa, Ont. formation.	Jease of 2,435 sq. ft. 10 inches on 1st and 2ad Auditor General Staff. Hoore of " Standard Bank building " Sparks	at. Ottawa, Out. Lease of stores Nos. 49 and 51 with 1st floor Recruiting offices. over store No' 51 Bank st., Ottawa, Out.
:	-	:				-			:	:			-		:
-	=	-	5	5		•	=		-	÷	His Majesty	His Majest	1	=	-
29	The Royal Bank of Canada	. Canadian Pacific Railway	Jarvis Verner McLellan.	The Chester Thompson Company, Limited.	James Hope & Sons	Wm. James Southam	. The Bell Telephone Co. of Canada.		14 Leon K. Belanger	J. L. & Wm. J. Hopwood.	Robert Kerr	Canada Cement Company, His Majesty	Hope Realty Limited	7 C. Jackson Booth	8 R. L. & R. Blackburn
29	30	1	1	3	4	80	12	;	14	20	27 1918.	4	7	7	80
7	2	Dec.	-	-	=	=	-		=	=	=	Jan.	-	-	-

# PROPERTIES LEASED

SESSIONAL PAPER No. 19

1-	
-	
-	
-	
-	
-	
12	
-	
-	
-	
Ξ	
0	
-	
-	
-	
-	
-	
-	
5	
W o	
PI:	
<u> </u>	
of	
- >	
1 K	
tme	2
etme	0.51
artme	010
mtnu	1010
partme	1010
bepartme	1 1010
Departme	21 1010
Departme	
ie Departme	
the Departme	
-	web. 21 1010
-	to bar
-	to bar
on the Departme	to bar
-	Manal. 21
-	Manal. 21
-	to bar
-	Manal. 21
es leased to and from th	Manal. 21
es leased to and from th	Manal. 21
-	Manal. 21
es leased to and from th	Manal. 21
es leased to and from th	Manal. 21
es leased to and from th	Manal. 21
row ties leased to and from th	Manal. 21
es leased to and from th	Manal. 21
row ties leased to and from th	Manal. 21
Properties leased to and from th	Manal. 21
Properties leased to and from th	Manal. 21
3. Properties leased to and from th	Manal. 21
3. Properties leased to and from th	Manal. 21
3. Properties leased to and from th	Manal. 21
3. Properties leased to and from th	Manal. 21
3. Properties leased to and from th	Manal. 21
No. 3. Properties leased to and from th	Manal. 21
3. Properties leased to and from th	Manal. 21
No. 3. Properties leased to and from th	Manal. 21
INT No. 3. Properties leased to and from th	Manal. 21
INT No. 3. Properties leased to and from th	Manal. 21
INT No. 3. Properties leased to and from th	Manal. 21
INT No. 3. Properties leased to and from th	Manal. 21
INT No. 3. Properties leased to and from th	Manal. 21
INT No. 3. Properties leased to and from th	Manal. 21
No. 3. Properties leased to and from th	Manal. 21

Use         Lenses         Lanses         Discription of Property.         Prove what purpose         Discription           10.         10.         Can ad i an Nichhen         Main version         Discription of Property.         Discription         Discription         Discription           10.         10.         Can ad i an Nichhen         Main version         Discription of Property.         Discription of Property.         Discription         Discription <th></th> <th>9 GEORGE V, A. 1919</th>		9 GEORGE V, A. 1919
Dist Actions         Lansens         Lansens         Lansens         Excertation of Property.         For what purpose.           1018         - " C an ad i an Neuthern         " It Molecup."         Lansens	Kental.	\$         cbs.           1.94         p. annum.           1.660         0.00         ann.           2.060         0.00         p. ann.           2.000         p. annuth.         2.000         p. annuth.
Dist Actions         Lansens         Lansens         Lansens         Excertation of Property.         For what purpose.           1018         - " C an ad i an Neuthern         " It Molecup."         Lansens	Duratjon of Lease.	Franch from Hall Man, 1955. Proprint from Hall Man, 1955. Proprint from Hall Manual Angle and Hall Manual Manual Angle and Manual Manual Manual Manual Angle and Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual
Inter- leases         Lensues         Lancers           1016         Lensues         Lancers           1018         "C.a. a sd i an Nichtern"         Ille Majnery           119         T.a. a sd i an Nichtern"         Ille Majnery           119         T.a. a sd i an Nichtern"         Ille Majnery           119         His Majnery conduction         Ille Majnery           129         His Majnery tank         Ille Majnery           131         His Majnery tank         Ille Majnery           141         Ramanet Witte.         Ille Majnery           131         R. L. & R. Hischern         Ille Majnery           141         Campator Witte.         Ille Majnery           141         Ramanet Water Conduct.         Ille Majnery           141         Ramanet Word Conduct.         Ille Majnery           141         Campator Water Conduct.         Ille Majnery           141         Ramanet Word Conduct.         Ille Majnery           141         Campator Majnery         Ille Majnery           141         Campator Majnery         Ille Majnery           142         Ramet Power Conduct.         Ille Majnery           143         Ramet Rower Conduct.         Ille Majnery           1	For what purpose.	Immigration
Inter- leases         Lensues         Lancers           1016         Lensues         Lancers           1018         "C.a. a sd i an Nichtern"         Ille Majnery           119         T.a. a sd i an Nichtern"         Ille Majnery           119         T.a. a sd i an Nichtern"         Ille Majnery           119         His Majnery conduction         Ille Majnery           129         His Majnery tank         Ille Majnery           131         His Majnery tank         Ille Majnery           141         Ramanet Witte.         Ille Majnery           131         R. L. & R. Hischern         Ille Majnery           141         Campator Witte.         Ille Majnery           141         Ramanet Water Conduct.         Ille Majnery           141         Ramanet Word Conduct.         Ille Majnery           141         Campator Water Conduct.         Ille Majnery           141         Ramanet Word Conduct.         Ille Majnery           141         Campator Majnery         Ille Majnery           141         Campator Majnery         Ille Majnery           142         Ramet Power Conduct.         Ille Majnery           143         Ramet Rower Conduct.         Ille Majnery           1	Description of Property.	dense of has Naci, and K. Block, 25, eer. of Railway, we. 2nd, starter, Tromatte of Naci- stantises, and starter, Tromatte of Naci- stantises, and Nater resultings." - , or ef- dimensional particular proceedings of the comparison of particular (proceeding) and comparison of particular (proceeding) and comparison of particular (proceeding) and the Nacional Alexan, Onic - scaled and and the Nacional Alexan, Onic - scaled and the Nacional Alexan, Onic - operational transformation of the Nacional Alexan Operents, Oktowa Onic - and Oliver Alexan Operents, Oktowa Onic - and Oliver Alexan, Onic - and Oliver Alexan, Onic - and Oliver Alexan, Onic - and Character and Alexan Onic - and Character and Alexan Onic - and Character Alexan, Onic - and Character Alexan, Onic - and Character Alexan, Onic - and Character Alexan, Onic - and Character Alexan, Oliver 4, Character - Alexan, Alexa
Pare Pare Pare Pare Pare Pare Pare Pare	Lossevs.	Itia Majery
1946 1946 1918. 1918. 1918. 1918. 1918. 1918. 1918. 1918. 1918. 1918. 1918. 1918. 1918. 1918. 1918. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 1919. 19	Lessors.	⁴ an di an Wethern ⁴ ⁴ are an di an Wethern ⁴ ⁴ are an Wetherland William Bandon Andrea William Radon Market ⁴ in Majary ⁴ Magaret Wile, ⁴ His Majary ⁴ Campany Ludi ⁴ R. L. & R. Bluckhum ⁴ Campan ⁴ and ⁴ and ⁴ Campan ⁴ and ⁴ Camban ⁴ and ⁴ Camban ⁴ and ⁴ Camban ⁴ and ⁴ Camban ⁴ and ⁴ Band ⁴ Camban ⁴ and ⁴
	1)ate of Lessee.	1918 111 111 112 113 113 113 113 113 113 113

# DEPARTMENT OF PUBLIC WORKS

9 GEORGE V. A. 1919

000000										
From date of oc-30.00 p. month. eupation to 5th Feb. 1918 and from month to	uo nth until end of war. 12 months from 8.00 p. month. 1st March 1118. For 7 years 12.00 p. annum	3 years from date 6,000,00 p. ann. of occupation. From 6th March 271,90 p. quart. 1918 (d u ring	pleasure). year from 1st 1,200.00 p. ann. May 1918. year from 1st 180.00 p. ann.	un.	war from 14th War from 14th March 1918. March 1918. March 1918. A comparison of coenjustion from month for	m.			J year from 1st 200 p. ann. June 18. From month b.82.08 p. month m on th from (monthly) date of eccupar	
IOU	ann	p.a	pleasure). year from 1st 1,200.00 p. ann. May 1918. year from 1st 180.00 p. ann.	1 year from 1st 1,270.00 p. ann June 1918.	Dia Cia	Loose of lot 18, block 18, Townsite of Gravel. Private enterprise	ground, N. S., St. R. on 2nd and 3rd fluors of Soldiers' Settlement Bd. 1 year from date [1759 h, ann. Usife, No. 202 (typen S), Ottawa, O. Ottawa, No. 202 (typen S), Ottawa, Ottawa, No. 202 (typen S), No. 202 (typen S), Ottawa, No. 202 (typen S), No. 202 (typenS	of occupation. Year from 1st 1,500 p. ann.	200 p. ann. 2.08 p. mon (monthly).	5 years from 1st 15.00 p.unu. June 1918,
d.	d d	.00 6 p.	00' d 0	8 :	ಕ ಗೆ	е <u>п</u>	á á	÷ ÷	p. p.	p.u
8	0 0	1,9	0.0	270	1.3	2 B	082	20	(DS 50)	00
8		5 5	18 17		5 61	- <del>-</del>	- 01	1	2	15
t ndso	018.	nch ng	181	181	r from 14th rch 1918. from date occupation 1 thereafter m month to	oth of	ate n.	1st	lat om pur	lst
to of nth	ar. ar	m d Ma	. 5. 8. 5.	9 H 8	1 1 918 918 918 918	m 1 881	a d atic	m tic	e th. n.	8.00
ate ion 19]	f w f w arc	(dup)	fre list	fice 1	h l l l l l l l l l l l l l l l l l l l	1121	non	fror fror	118 118 118 118 118	916E
rom date of oc- cupation to 5th Feb. 1918 and from month to	month until end of war. 2 months from 1st March 1918. or 7 years	years from date of occupation. rom 6th March 1918 (d u rin g	year from May 1918. Year from	year from June 1918.	Mart Tron 14th March 1918. In. from date of occupation and thereafter from month to	month. years from March '18 uring pleas	ar f	of occupation. year from 1st Eab '18	year from 1st June '18. rou month to m o n t h from date of occupu-	tion. /ears June
Free ro	month until end of war. 12 months from 1st March 1918. For 7 years	of ror 19		7×5 j	Ma war Ma Ma m. of and	month. 2 years from 15th 40 March '18 During pleasure. 5 p.	yes ve	of Net	Jul 10 up	Ju Ju
<u>H.</u>		60 iži	of 1							
				:	d Appeul Judge ze Duff.	rag :	Bd		:	
1.1		1.1	als :	ion	- P	we	t 🖯	÷ .	i ti	
	1.1	ace ace	Branch & Canals	aiss	: 72	nae se	on e	3	: <b>u</b>	
1	18:	efei	8 % C	uuu	: ê∉	ing and	telo (ati	G +	: Inf	÷
380	tion Idin	AA	6. 8	3	E Pag	ev nte	Se Se	nci	of Ge	tion
5	zra	~ ~ ~ c c	tics	aγ	gel :	ost c	's jo	ina St	Sor DEP	gra
	o, mi	liti	tatistical Branch Railways & Canals. ost office.	ilw	atr	r c f F	die p.	of Finance). ostal Station	red (	'n
ö	Pu	MG	Poi	Ra	· 87	Fo	Sol	Po	Din Po	å.
Lasse of 1 room and vault in building cor. of Chief Censor Sparks and Eign sts., Ottawa, Out.	Lease of room in building on lot 2, Blook 100, Immigration Virden, Mun. Privilege to execuse for and lay a line of Pub building. weiger pipe layong Co'sland at Marywille,	N.45. A.45. Alberth Milting " No. 72 Alberth Militia & Defence. Ist., Ottawa, Ont. and Nor in building a w. oor. Militia & Defence of Sparks and Mecality as, V. Ottawa, Ont.	Lease of 5 rooms in Quebee Bank building, Statistical Branch Welligton st., Ottawa, On. Lease of store in building, n. w., oor of John Post office.	Lesse of part of Zud floor of "Boyd unifding" Railway Commission over of Edmonton at and Portage ave. Win- nifleg, Man.	Orason autors early on a known is across and Converse and the Stardy Four Kand, Converse and Andrew N. R., No. R. Sussex St., Central Leasers, Oth. Ottawa, Oth.	Lease of lot 18, block 18, Townsite of Gravel. Private enterprise bourgs, Sask. Demission to ideand excavate a trench under For conveying see Permission to ideand excavate a trench under for conveying see Permission to idea the set Anti-	Rounshi, N. S., Cu 2nd and 3rd fluors of Soldiers' Stathement Bd. Lease of 2888 so. 72 and states St. Otawa, Cut. Lease of ground floor and basement in Wild's, Insue of Taxation (Dent. Lease of ground floor and basement in Wild's, Insue of Taxation (Dent.	cor. Bark and Laurier avenue, Ottawa. of Finance). Lease of premises No. 103 Osborne St., Win- Postal Station "C"	Leave of bild's, on we side of main read and Post Office	Lease of portion of land in Hudson's Bay Inunigration
OF.	k 1 ine	VIb 0ni	Jol		Nos S	unc	ors off	N.	2 - S	
29-5	a loo ary	0 45	of	weih ve.	1t It	f G at	85 F	aw st.,	609 brk	
On	We B	T. 7.	ak or.	d b fe a	Sur Sur	ren ren	Srd wa	10 F	n. 80 81	dsc
ouil va,	at 2 at 2	Odi No	Bar v. c	3oy tag	1 22	nsit a t	tta	ie,	NO SS	Hu 2' '2
taw taw	and and	5 " bui		Por	ndy vo.	owi ate f hi	, O ase	Oslo	Stro.	n.u
0 EE	g or	ling in	-40	nd nd	ч. й. 	T. D.	St.	28.0	NC	d
/au ts.,	if fo	uild soft	O. S. H.	1001 1002 1.4	8-9-9	18 1ex tion	en on	1 IC	eyr 600 ag	I In
- pa	uil gh	e B	tra	d fi n a	Save .	por	-#200	No	W "Gip	of
un an	n p cca	Dut Out	80.92	120	Hado	ld ig	- Solo	A L	build Not	abs
LION P	fan i	Ecl a, 6 and	re i	n olu	h Pole	Show R.	6 8 6 Un	ani a	nt.	Ath
an a	ipe roo	"me	5 ton	Ed	ogg Street	Sar	8 No 28	Pre	1922	d a
of	of . er i	p of Got,	of	2000	of of wa	of the the	0 % of B	of	of of wa	of
sase of 1 room and vault in building Sparks and Elgin sts., Ottawa, Ont.	asse of room in Virden, Man. rivilege to exe water pipe thr	N.D. A.D. ease of "Echipse building" No. 72 Albe st., Ottawa, Ont. ease of merzamine floor in building s. w. co despeties and Merculie sts., Ottawa, Ott.	ease of 5 rooms in Quebec Bank building Walligton st., Ottawa, Ont. ease of store in building n. w. cor. of John	asse of part of 2nd floor of "Boyd merid, p.c. asse of part of 2nd floor of "Boyd milding" cor. of Edmonton at, and Portage ave, Win- nipeg, Man.	Convalescent Home " City of St. John, N. R. Sase of 3rd floor of b'dig Ottawa, Ont.	ease of lot 18, bourg, Sask, ermission to and through	on on on one	cor. Bank and Laurier avenue, Ottawa. ease of premises No. 103 Osborne St., V	asse of b'ld'g asse of rooms and 611 in Ottawa, Ont	asse of portion of land in Hudson Reserve, Athabasca Landing, Alta.
Les 1	Pri	- 5 ° 5 °	Lee Le	- <u>5</u>	10030	"Para"	E Less	- Ee	Cogood L Cogood	Lee
	1.1	1.1				÷ ÷	: 1		1.1	:
				1	• •	Hugh Pick His Majesty.				
						ick				
-				-		Ma, P		-	: :	=
						Hugh Pick His Majesty				
						HH				
		Edward Seybold Royal Bank of Canada	Royal Bank of Canada John Best	:	E	1	Edw. Rupert McNeill Thomas C. James	1	1.1	The Governor & Company of Adventurers of England
ų.		: e	e :	-	: 4	1.1	E I	olin		ngl
nite	g s	una.	ana		ngra		Ne	Rol		SE
Lin	ime	old f C	2	oyo	Do Do		Mc	e.	Cim.	Ser.
ß	Jott	eyb k of	. Ko	e e	Mc	8	Ja	pu	Ri	nor
eal	B	S	an st.	me	-	jest	C up	Iouu	eal C	ver
B	dia	ard d B	Be	Ja	a pp	Ma	. R	Cod	nas e R	Go Vdv
do	John A. Blakeman Canadian Cottons, Ltd.	Edward Seybold Royal Bank of Car	Royal Bank of Can John Best	Wm. James Boyd.	Suo Suo	. N	Edw. Rupert McNeil Thomas C. James	L. P.	Thomas C. Rice. Hope Realty Lim	he of A
<u>щ</u>		H H	H F	Wm. James Boyd	14	His Mujesty D. McIsnae	9 E	Sir Rodmond P. Roblin	Thomas C. Rice	E
1	2	1.1			: E		1.1			
		6	11	1		15	18	19		
	2	÷. ÷.	11.	2 3	i =	15.	8 8	6	29.	×.
March 1  Hope Realty Limited	2	4. 6.	11	H	4 =	15.	18.	19.	26 .	

### PROPERTIES PURCHASED OR SOLD

SESSIONAL PAPER No. 19

-	
-	
24	
E	
C	
No.	
0	
~	
00	
M	
L	
0	
.9	
1	
2	
-	
0	
pli	
	20
É.	
	Tour d
	Como.
~	
DSI	12
pa	0
epa	101
Depa	1019
Depa	
Depa	
c Depai	
ie Depar	51
the Depart	51
the Depar	51
the Depar	51
n the Depar	wah 21
m the Depar	wah 21
on the Depar	wah 21
rom the Depar	wah 21
from the Depar	51
from the Depar	Manah 21
from the Depar	Manah 21
d from the Depar	wah 21
nd from the Depar	Manah 21
and from the Depar	Manah 21
and from the Depar	Manah 21
and from the Depar	Manah 21
and from the Depar	Manah 21
to and from the Depar	Manah 21
to and from the Depar	Manah 21
to and from the Depar	Manah 21
d to and from the Depar	Manah 21
ed to and from the Depar	Manah 21
ed to and from the Depar	Manah 21
used to and from the Depar	Manah 21
ased to and from the Depar	Manah 21
eased to and from the Depar	Manah 21
leased to and from the Depar	Manah 21
leased to and from the Depar	Manah 21
s leased to and from the Depar	Manah 21
es leased to and from the Depar	Manah 21
ies leaved to and from the Depar	Manah 21
ties leased to and from the Depar	Manah 21
rties leaved to and from the Depar	Manah 21
orties leased to and from the Depar	Manah 21
writes leased to and from the Depar	Manah 21
perties leaved to and from the Depar	Manah 21
operties leased to and from the	Manah 21
operties leased to and from the	Manah 21
operties leased to and from the	Manah 21
Properties leased to and from the Depar-	Manah 21
operties leased to and from the	Manah 21
-Properties leased to and from the	Manah 21
-Properties leased to and from the	Manah 21
-Properties leased to and from the	Manah 21
-Properties leased to and from the	Manah 21
3,-Properties leased to and from the	Manah 21
3,-Properties leased to and from the	Manah 21
3,-Properties leased to and from the	Manah 21
3,-Properties leased to and from the	Manah 21
3,-Properties leased to and from the	Manah 21
No. 3,-Properties leased to and from the	Manah 21
r No. 3,-Properties leased to and from the	Manah 21
r No. 3,-Properties leased to and from the	Manah 21
r No. 3,-Properties leased to and from the	Manah 21
r No. 3,-Properties leased to and from the	Manah 21
r No. 3,-Properties leased to and from the	Manah 21
r No. 3,-Properties leased to and from the	Manah 21
r No. 3,-Properties leased to and from the	Manah 21
r No. 3,-Properties leased to and from the	Manah 21
r No. 3,-Properties leased to and from the	Manah 21
r No. 3,-Properties leased to and from the	Manah 21
r No. 3,-Properties leased to and from the	Manah 21
r No. 3,-Properties leased to and from the	Manah 21
No. 3,-Properties leased to and from the	Manah 21
r No. 3,-Properties leased to and from the	Manah 21

7 1	cts. um, n.				
Ta .	Second 1 room in jublic, at Campoletts, Inc., of Picherice (Naval 1 oper from 31d) By ta annual Naval or of comparison of the statistic probability of the sta		8 Izane of wooden building, our of George and Italiand. Revenue: Dept. It year from 1st1,000 y, ann. Bedford Row, Halifax XN, Wights and Measure. Oct. 15.	÷	Lease of building on let No. 3, near cor of Potal Station " D " b years from 3rd 1,600 p, ann. Portage Ave. and Epiton St., Winnipst,
Rental	s p. a 0 p. a		× ÷	De -d	1
-	120 180 8,50		1,000	3 years from date 120 p. ann. occupation.	1,600
-	31st 1st 1st veni		14t	late	3rd
Duration of Lense.	som som	í.	un .	/ears from d occupation.	117.
ration Lease.	year from Dec. '17. Year from May '18. Or duration war and 1 after.	191		upatr	rs fr
Du	yea Yea Ma Wa	16-	yea Oct	yea	Ma
1	und 1 ary 1	(19	land Revenue Dept. 1 year fro (i.a.s. El e etricity, Oct. 15. Weights and Measures	:	:
086.	(Na ine s lilitu	rt	land Revenue Dept. (Gas-Elsectricity, Weights and Messures		-
For what Purpose	ries Mar 2.	ebo	etr etr	nice.	-
hat	ishe tof No.	ul n	Reve El e s ane	Insp. Office). asp. of Fisher	ation
ar w	asp. of Via Service.) Tisheries. Or Stuff District N	nu	a the	23	<i>T</i> ,
Ě	Pisl Pisl Dis	an	alam (G 2 W e	Insl.	OHLIA
	0, 1, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	ar's	p	Lease of 2 rooms on 2nd floor of building, Inap. OfFicherica., Digby, N. S.	of D
	obel ding Wot	ye	50 HI	ildin	cor.
1	amp Buil	last	100	nq.	Win
Description of Property.	b), i St.	in	of (	r of	S. n.
rop	g. a F i 5t it 5t	uo	cor.	floo	on.
of F	b'ld 5 in and ichi	orti	ing.	Snd	Lipt
tion	in No V. H	ins	Ialif	U.	no l
crip	ann xonn S. 40 /	or	w, l	Sup.	ing e. a
Des	2 th	tel	Ro	N. 50	As As
	of B. ney of Idin	o la	aare of wooden building, cor. Bedford Row, Halffax N.9,	of 2 by,	of b tage
	ease N. Syd Bui	to	Bed	ense of 2 room Digby, N. S.	Por Por Ma
	<u> </u>	ved		-	H
10	1.	eei	5A		
Lessees.	aje	e re	тJен		
2	His Majesty	ver	N and		
		The following items were received too late for insertion in last year's annual report (1916-1917).	The Dartmouth Manufac-Illis Mayesty. turing Co. Ltd		
	Ltd.	ten	nufa.	e	
1 . 1	10	ы	Mai	Var	
Lessors.	dud (pa	wi	Ltd	12	qon
Les	aralı A. Batsoi ost Publishing örld New-pa Torento, Lid	olle	he Dartmouth turing Co. Ltd	Lupt	ong
1	Put Put	ie f	Dar	L 1	ur (
	Sarah A. Batson Post Publishing Co., Ltd World New-paper Co. of Tornito, Ltd	IT	The tur	Hubert Tupper Warne	Arth
	1				
396	×		5 1915 6	-916	161
Date of Lease.	1918 h 30 30 30		1915 30, 19 1916	29, 101 1917	ћ 3,
5	1913 March 30 30		1915 Sept. 30, 1915 1916	Dec. 29, 1916. 1917	March 3, 1917 . Arthur Congdon

### DEPARTMENT OF PUBLIC WORKS

9 GEORGE V, A. 1919

9 GEORGE V

Lar of some of the Public Acts of the Parliament of the Dominion of Canada, passed at the First Session of the Thirteenth Parliament, begun and holden at Ottawa, on the Eighteenth day of March, 1915, and closed by Prorogation on the Twenty-Fourth day of Mar, 1915, and having reference to the Public Works Department or works under its charge (5-9 George V) and Orders of the Governor General in Council, having force of law.

Subject.	Full Title of the Statute.	Chapters.	Page in Statute Book.
Construction of works in navigable waters.	An Act to amend the Navigable Waters Protection Act	33	115
Power to dredge, etc., beds of navigable waters.	An Act to amend the Public Works Act	37	125

N.B.—By proclamation dated the 28th day of February, 1918, the tariff of tolls to be levied by the Upper Ottawa Improvement Company, Limited, for the use of their works during the season of 1918, was approved. *Vide Canada Gazette*, vol. li, p. 2044.

By proclamation of the 38th February, 1918, the tariff of tolls to be levied by the Rouge Boom Company, of Montreal, for the use of their works during the season of 1918, was approved. *Vide Canada Gazette*, vol. li, p. 3044.

# THE NATIONAL GALLERY OF CANADA

By ERIC BROWN, Director.

Oving to the continued occupation of the premises of the National Gallery by the Houses of Parliament, the work of the National Gallery has gain been concentrated upon the development of its policy of loan exhibitions of works of art to any art gallery or body which has proper facilities for exhibiting them, and of thus utilizing to the fullest extent the possessions of the National Gallery for the furtherance of artistic knowledge throughout the Dominion.

The previous grant of twenty-five thousand dollars (\$25,000) had enabled a limited number of Canadian works of art to be purchased, so that the loan exhibitions had not suffered from lack of material. The application by the trustees for an appropriation of thirty thousand dollars (\$30,000) for the eurent year, however, was not granted, and the nain Parliamentary Estimates included no more than eight thousand dollars (\$8,000), sufficient for the running expenses of the National Gallery, including salaries and upkeep of possesions. Upon further application by the trustees an additional sum of ten thousand dollars (\$10,000) was appropriated in the Supplementary Estimates and the annual grant totalled eighteen thousand dollars (\$18,000).

The following regular annual loans of works of art were sent out during the year: St. John, N.B., twenty-seven pictures; Sherbrooke, Que, twenty-six pictures; Fort William, Ont., twenty pictures; Winnipe, Man, twenty-five pictures; Regina, Sask, twenty-one pictures; Moorjaw, Sask, trenty pictures.

Arrangements were also made for a regular annual loan to Halifax, but this had to be cancelled owing to the Nova Scotia Museum of Fine Arts building being seriously damaged in the explosion.

The following special exhibitions of works of art were arranged :-

Lean of thirty-three lithographs to Halifax, N.S., November, 1917. This loan was on exhibition only four days owing to the building in which they were exhibited being destroyed by the explosion. Fortunately only slight damage was done to the lithographs.

Loan of sixty-nine drawings to the Art Association of Montreal, December, 1917, to February, 1918.

Loan of "Charity" by Frank Brangwyn, A.R.A., P.R.B.A., to Madeleine de Verchères Chapter, I.O.D.E., for their exhibition of paintings at the Chateau Laurier, November 29 to December 3, 1917.

Loan of nine pictures to the Central Canada Exhibition at Ottawa, September 8 to 15, 1917.

Loan of seventy-five Steinlen lithographs to the Art Museum of Toronto during February and March, 1918.

Loan of thirty-one pictures to the Western Canada Fairs Association from June to August, 1917. The circuit included Calgary, Edmonton, Brandon, Regina, Saskatoon, Prince Albert. This loan afterwards went to Vancouvor in August, 1917.

Loan of "Dieppe, The Beach, Grey Effect," by J. W. Morrice to the Los Angeles Modern Art Society, Los Angeles, California, March, 1918.

These exhibitions were all eminently successful, and the rapid increase of applications for them is sufficient evidence of the growing desire for artistic knowledge throughout the country.

The National Gallery Travelling Scholarship of one thousand dollars (\$1,000) was judged for the fourth successive year by the Council of the Royal Canadian Academy, and was awarded with the trostees' concurrance to Mr. Manly E. MacDonald, Point Anne, Out

### SESSIONAL PAPER No. 19

ou palath

The following by-law, made under the terms of the National Gallery of Canada Act, received the approval of the Honourable Minister of Public Works :---

ARTICLE 5. The Board may, subject to the approval of the Minister of Public Works, make by-laws.

SECTION D. For the protection of its property and the property in its care and charge.

All reproductions of works of art which are the property of the National Gallery of Canada shall bear the legend: The property of the National Gallery of Canada.

The trustees met formally on two occasions, and the following works of art were acquired by gift or purchase :--

Jane Catherine Cummins. . . . . . . . Water colour "Sketch." Presented by S. S. Cummins:

- - head?

She: Oh, that's only papa. He always gets restless towards morning."

### DIPLOMA PICTURE.

Horatio Walker, R.C.A.. .. .. .. Autumn.

### PURCHASES.

ou	Paintings-	
	Grier, E. Wyly, R.C.A.,	The Master of Northcote.
	Challener, F. S., R.C.A.,	Aphrodite's Realm.
	Johnston, F. H., O.S.A	A Northern Night.
	MacDonald, J. E. H., A.R.C.A	. Asters and Apples.
	Reid, Mary H., A.R.C.A.,	Study in Rose and Green.
	Coburn, F. S	Danville Roses.
	Earle, Paul B	The First Snow,
	Gagnon, Clarence A., A.R.C.A	. Street Scene, Quebec at Night,
	Harris, Robert, C.M.G., R.C.A.,	. My Old Montreal Model.
	Rosaire, Arthur D., A.R.C.A	The Garden of Light.
	Shore, Henrietta M	. Negro Woman and Children.
	Barnsley, James MacDonald	. In the Fields,
	Barnes, Wilfred M	
	De Belle, Charles	. The Sisters.
	FitzGerald, L. L.	Late Fall, Manitoba,
	Knowles, E. A. McG., A.R.C.A.,	" Drink to Me Only with Thine Eyes."
	Lismer, Arthur, O.S.A	Winter Camouflage.
	MacDonald, J. E. H., A.R.C.A	Cattle by the Creek.
	Neilson, H. Ivan, A.R.C.A.,	Spring's Garland.
	Wrinch, Mary E., O.S.A	Snow Magic,
Dra	wings, Prints	
	Steinlen, M	Eighty-six lithographs.
	Russell, Gyrth, R.B.A	The White Barn.
	Raine, Herbert, A.R.C.A	The Old Courtyard.
	Cotton, John Wesley	The Open Cut.
	Beaupré, Eugène L	Child Study.
	Phillips, Walter J	Winnipeg River No. 3.
		The Reader.
	Crockart, James	Stirling from Millhall.
	Smith, Lewis	Barges at Hammersmith.
		Unloading Thames Barges.
	Sutherland, Fred. W	Sleeping Lion.
		New Road, Boston Suburbs.
	Greene, T. G., O.S.A	The Fisherman.
	Bartolozzi	
		Portrait of Annibale Carracel.
	Schiavonetti	
		Pieta.

### DEPARTMENT OF PUBLIC WORKS

### 9 GEORGE V, A. 1919

Drawing Prints Continued.	
Wolf, Henry Morning Star.	
" " Self Portrait.	
" "	
" " Lady with Shawl, after Chase.	
" "	er.
" "	
" " Boy with a Sword, after Manet.	
Daubigny	
Whistler, James McNeill En Plein Soleil.	
" " La Retameuse.	
" " " Annie Standing.	
" " Liverdun.	
Lismer, Artbur The Transport, Halifax.	
Maw, Samuel Herbert	
" " Tibury,	
" " The Lagoon, Venice.	
Sterner, Albert Seated Dan er	
" " The Blind.	
Copley, John Footlights.	
Gabain, Ethel La Toilette.	
Pilot, Robert	
Pilot, Robert	
" " Sketch in Holland No. 1	
" " "	
Phillips, W. J	
Phillips, W. J	
Lapine, André The Wind Mill	
Lalande, E.,	
Fawcett, George A Deserted Indian Caup, Minakl, Ont.	
Stevens, Dorothy, O.S.A.,	
Johnston, Francis H., O.S.A., The Magic Pool	
Raine Herbert & R.C.A. The Pilgiums St Anne de Beaunré	
Keagey, James W Old Muski, Cairo. Burnside, J. T. M	
Burnside, J. T. M. Three Sketches in Senia.	
Veresmith, Daniel	
Water Colours-	
Johnston, Francis H. O.S.A The Guardian of the Gorge.	
Holmes, Robert, A.R.C.A Mocassin Flowers.	
Jefferys, Charles, A.R.C.A Ro ks of Georgian Bay	
McGillwray F H, O.S.A Midwinter Dunbarten Ont	

Brownell,	Franklin,	RCA		
**	4.4			
**	**	**		
		**		
Perrigard.	Hal Ross			

Sculpture-Wyle, Florence Hahn, Emanuel