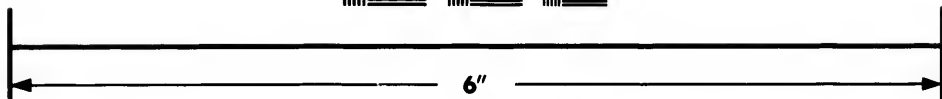
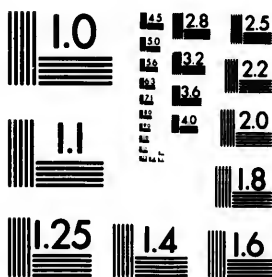


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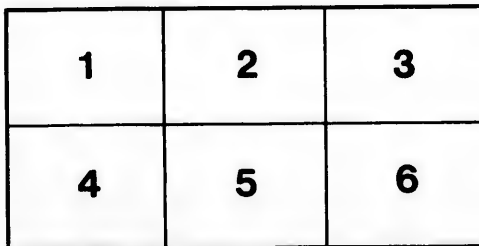
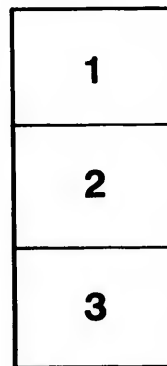
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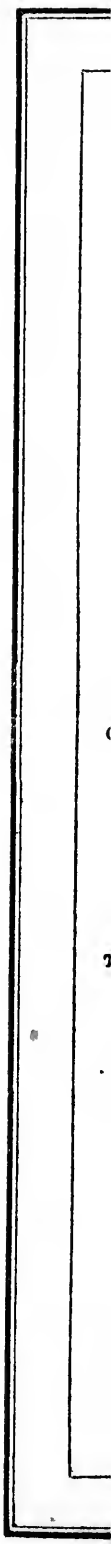
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CANADIAN ALMANAC,

AND

Repository of Useful Knowledge,

FOR THE YEAR

1855,

BEING THE THIRD AFTER LEAP YEAR,

CONTAINING FULL AND AUTHENTIC COMMERCIAL, STATISTICAL, ASTRONOMICAL,
DEPARTMENTAL, ECCLESIASTICAL, EDUCATIONAL, FINANCIAL, AND

GENERAL INFORMATION.

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THE BRITISH AMERICAN PROVINCES.

Maclear & Co.'s Canadian Almanac,

(LATE SCOBIE'S) **126788**

FOR THE YEAR 1855.

A4 114
C2
1855

CHRONOLOGICAL CYCLES, &c., 1855.	FIXED AND MOVEABLE FEASTS, &c., 1855.
Dominical Letter	41 Septuagesima Sunday
Lunar Cycle, or Golden Number	13 Quinquagesima Sunday
Jewish Lunar Cycle	10 Ash Wednesday, or First of Lent
Epaet (Moon's Age, January 1st)	12 Quadra. First Sunday in Lent
Solar Cycle	16 Mid Lent Sunday
Roman Indiction,	13 Palm Sunday
Dionysian Period	184 Good Friday
Julian Period	6568 EASTER SUNDAY
The year 5616 of the Jewish Era com. Sept. 13	1855 Low Sunday
The year 1272 of the Moham. Era com. Sept. 13	1855 Rogation Sunday
Year of the World (Usher)	5859 Ascension Day—Holy Thursday
Year of the World (Jews)	5615 Whit Sunday—Pentecost
Year of the World (Septuagint)	7363 Trinity Sunday
Year A. U. C. (Building of Rome)	2628 Corpus Christi
Year of the Olympiads	2681 Middle Day of the Year
Year of the Era of Nabonassar	2601 Advent Sunday
The 19th of Her Majesty's Reign begins June 20th	1855 Birth of Queen Victoria
The 80th of the Indep. U. S. begins July 4th	1855 Birth of Prince Albert

THE SEASONS, 1855.—TORONTO.

	D.	H.	M.
Winter Solstice (1851) Dec. 21	9	43	even.
Vernal Equinox, March 20, 1855	10	51	even.
Summer Solstice, June 21	7	32	even.
Autumnal Equinox, September 23	9	43	mor.
Winter Solstice, December 22	5	41	mor.
Sun in Winter Signs	89	1	8 mor.

THE SEASONS, 1855.—TORONTO.

	D.	H.	M.
Sun in Spring Signs	92	20	41
Sun in Summer Signs	93	14	11
Sun in Autumnal Signs	89	17	43
Tropical Year	365	5	43
Sun North of Equator	186	10	53
Sun South of Equator	173	18	56

MORNING STARS, 1855.

Venus from Oct. 1st, to July 10th, 1856.
Mars from April 9th, to April 1st, 1856.
Jupiter from Jan. 29th to Aug. 21.
Saturn from June 10 to Dec. 18.

EVENING STARS, 1855.

Venus until Oct. 1, 1855.
Mars to April 9, 1855.
Jupiter to Jan. 29, 1855; and from Aug. 21, to March 5, 1856.
Saturn until June 10, 1855, and from Dec. 18.

TO THE READER.

SUN'S RISING AND SETTING.—There are two kinds of time used in common Almanacs, for the Sun's Rising and Setting. One is *Clock time*, and the other is *Apparent* or *Sun time*. *Clock time* is *always right*, while *Sun time varies every day*, and is alternately too "Fast" or too "Slow." Hence it is that two almanacs, made by the same calculator, for the same year and place, will give the sun's rising and setting very differently, if a *different* kind of time is used in each. Persons observing this must not think that either is wrong. According to apparent time, the sun will always rise and set at six o'clock, at the time of its crossing the equinoctial; but this is never the case according to *Clock time*, or *true time*. If the Sun was in the meridian, or at the noon mark, at 12 o'clock every day, then *apparent time* would be true, and the sun would always rise and set at 6 o'clock, when it was at the equinoxes. People generally suppose it is 12 o'clock when the sun is in mid-heaven, or at the noon mark. In this there is a great mistake, for the sun is so irregular, that it does not come to these points at 12 o'clock oftener than four times in a whole year, or about once in every three months. In this almanac we give the time exact to the nearest second, that a correct clock must show, when the sun is in the meridian and shadow at the noon mark, for every day in the year. When the sun is at the noon mark it is *noon*, but not twelve o'clock very often.

This variation of the sun makes a difference between it and all true time-pieces, and produces two kinds of "Equation of Time," or the difference between clock and sun. Add to apparent time when Sun is "Slow," and subtract when it is "Fast." Many almanacs are calculated in sun or apparent time, for the convenience of those who are accustomed to it. Such almanacs do not allow for the variation of the sun, besides this may show the rising and setting of the sun's centre, without allowing for the effect of refraction, and are therefore both inconvenient and incorrect according to mean time. Almanacs in *clock time* are the best ones, for they give the rising and setting of the sun's upper limb, and duly allow for the effect of refraction, which causes the sun to appear on the horizon a short time before he has risen, and after he has really set. This almanac is in *clock time*, or mean time.

TO ASCERTAIN THE LENGTH OF THE DAY AND NIGHT.

At any time of the year, add 12 hours to the time of the Sun's setting, and from the sum subtract the time of rising, for the length of the day.

Subtract the time of setting from 12 hours, and to the remainder add the time of rising next morning, for the length of the night. These rules are equally true for *apparent time*.

EXPLANATION OF THE SIGNS USED IN THIS ALMANAC.

☾ New Moon, and Moon generally. ☽ First Quarter. ○ Full Moon. ☾ Last Quarter. ♀ Moon's ascending Node. ♂ descending Node. ● in Apogee—farthest from the earth. ● in perigee—nearest to the earth. ● Highest—Moon farthest North. ● Lowest—Moon farthest South. ♄ Saturn. ♀ Venus. ♂ Near together. ♃ Jupiter. ☿ Mercury. ☐ 90° apart, ♁ Opposition, or 180° apart. ♃ Mars. 7* Stars. ☉ Sun. ♃ Herschel. ♃ Neptune.

DIRECTIONS FOR FINDING THE TRUE TIME.

The Sun, as we have stated before, is on the meridian at 12 o'clock on four days only of the year. It is sometimes as much as 16¼ minutes before or after twelve when its shadow strikes the noon mark on the sun-dial. On each calendar page of this Almanac is shown the exact time when the sun reaches the meridian, or the shadow the noon mark; and in order to set a clock or watch correctly, it must, when it is noon by the sun dial or noon mark, be set at the time

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 .. April 1
 .. April 6
 .. April 8
 .. April 15
 .. May 13
 .. May 17
 .. May 27
 .. June 8
 .. June 7
 .. July 2
 .. Dec. 2
 .. May 24
 .. Aug. 26

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 89 17 48
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 178 18 56

March 5, 1856.

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indicated in the Almanac. Thus, on the 25th of January, when the Sun is on the noon mark, the watch must be set 12 minutes and 38 seconds past twelve, which will be the true time. The practice of setting time-pieces by the rising or setting of the Sun or Moon, is not strictly correct; as the unevenness of the earth's surface and intervening objects, such as hills and forests, near the points of rising and setting, occasion a deviation, in every place, from the time expressed in the Almanac, which time is adapted to a smooth, level horizon. The only means of keeping correct time, is by the use of a noon-mark, or a meridian-line.

ASTRONOMICAL NOTES FOR 1855.

The Moon will run farthest south this year on the 16th of October, to the 6th degree of Sagittarius, having a declination of 27° 59 min. 51.6 sec. S. It will run farthest north on the 29th of October, to the 6th degree of Gemini, having a declination of 28° 0 min. 14 sec. N. This is the greatest declination the Moon has had, or will have in many years. The geocentric longitude of the Moon's descending Node in the middle of this year is 39° 49 min. 9 sec.

The Sun will be north of the equator this tropical year, dating from the Solstice of Dec. 21st 1854, 186 days, 10 h. 52 m.; and south of it 178 days, 18 h. 56 m.; showing a difference of 7 days, 15 h. 56 m., which is caused by the slower motion of the earth when north of the equator, being then in or near its aphelion.

Distance of the Sun from the earth, January 1st, 93,505,607 miles; July 3rd, 96,605,200 miles; December 31st, 93,507,857 miles; mean distance, April 2nd and October 2nd, 95,103,000 miles.

Venus will be brightest on the 25th of August, at which time it will be a beautiful evening star, appearing in the west after sunset. Venus will be invisible for nearly two weeks before and after 1st of October, and it will be brightest again on the 6th of November, when it will show off splendidly in the east as morning star.

Mercury will be brightest about February 15th, June 11th; Oct. 8th; when it will be in a position as Evening Star in the west, that is favourable for visibility. It will be brightest again about April 5th, August 4th, and Nov. 22, when it will be Morning Star. In the east, and will probably be visible. The chance of seeing Mercury on the 8th of Oct. and Nov. 22nd is quite unavourable.

Jupiter will be in Aquarius nearly all of the year. This planet is working toward the north. Saturn will be in Taurus the whole of the year. Uranus will be in Aries all of the year. Neptune will be in Aquarius.

The Rings of Saturn will be in a favourable position for visibility all of this year.

The southern surface of these rings are now visible from the earth. The maximum apparent diameter is obtained in December. Saturn will be invisible for about two weeks before and after June 10th. The opposition will take place on the 18th of December.

TABLE,

Shewing the Illuminated portion of the Discs of Venus and Mars.

The numbers given in this table represent the sizes of the illuminated portion of the Discs—the apparent diameters of the planets being considered at unity.

1855.	Venus.	Mars.	1855.	Venus.	Mars.
January 15	0 .991	0 .987	July 15	0 .531	0 .982
February 14	0 .968	0 .994	August 15	0 .343	0 .969
March 15	0 .929	0 .930	September 15	0 .073	0 .952
April 15	0 .865	1 .000	October 15	0 .060	0 .934
May 15	0 .780	0 .998	November 15	0 .337	0 .917
June 15	0 .667	0 .992	December 15	0 .521	0 .905

Star Table.

To ascertain when any star found in the following table will be on the meridian, *add* the numbers opposite in the left-hand column of figures to the preceding meridian transit of the north Star found in the calendar pages. For the rising of a star, *subtract* the number opposite in the right-hand column of figures from its meridian passage. For the setting of a Star, *add* the same number to its meridian passage. Those marked (.....) revolve in a circle of perpetual apparition, and do not rise or set north of the latitude of Toronto (Lat. 43° 39 min. 35 sec. N.) for which latitude the semi-diurnal arcs are calculated and corrected. The civil day begins at the preceding midnight, and consequently 24 hours after midnight, or 12 hours from noon, is *morning* of the succeeding day; and 24 to 36 hours from noon, is *evening* of the next day. This table is arranged in the order of culmination.

Stars.	Constellation	In Mo	R & S	Stars.	Constellation	In Mo	R & S	Stars.	Constellation	In Mo	R & S
		h. m.	h. m.	*Pointers		h. m.	h. m.			h. m.	h. m.
Almaach	Andromeda	0 48	9 50	Procyon	Canis Minor	6 24	6 20	Beta	Ursa Minor	13 43	.....
Alpha	Aries	0 52	7 33	Pollux	Gemini	6 29	8 3	Zubenelg	Libra	14 1	5 25
Bhira	The Whale	1 6	5 46	Aucubens	Cancer	6 51	2 31	Alphacca	N. Crown	14 20	7 56
Munkar	The Whale	1 48	6 13	Naos	The Ship	7 47	6 48	Antares	Scorpio	15 12	4 8
Algol	Perseus	1 52	9 36	Alphard	Hydra	8 1	5 28	Alpha	Hercules	15 59	6 56
Algenib	Perseus	2 7	.....	Re ulus	Leo	8 53	6 48	Alpha	Phœnechus	16 19	6 48
Aleyone	7 Stars	2 32	7 38	{ Verak }	Big Dipper	9 47	.....	Veza	Lyra	17 23	9 18
Aldebaran	Taurus	3 21	7 3	{ Dubhe }	Big Dipper	9 47	.....	Beta	Lyra	17 36	8 33
Capella	Auriga	3 59	11 16	Denobola	Leo	0 34	7 0	Altair	Aquila	18 34	6 31
Rigel	Orion	4 1	5 27	Phad	Big Dipper	0 38	.....	Deneb	Cygnus	19 27	10 43
El Nath	Taurus	4 10	8 3	Algorab	The Crow	1 14	4 57	Fomalhaut	S. Fish	21 46	5 43
Bellatrix	Orion	4 10	6 23	Alhoth	Big Dipper	1 39	.....	Scheat	Pegasus	21 47	7 57
Mintaka	Orion	4 18	5 58	Spica	Virgo	2 9	5 19	Markab	Pegasus	21 48	6 56
Phat	The Dove	4 28	3 18	Mizar	Big Dipper	2 16	.....	Vr. Equinox	Pisces	22 50	5 59
Petelgueso	Orion	4 49	6 27	Benebnasch	Big Dipper	2 34	.....	Alcenib	Pegasus	22 56	6 56
Sihus	Canis Minor	5 32	4 54	Arcturus	Bootes	3 1	7 20	Schedir	Castiopa	23 22	.....
Castor	Gemini	6 18	8 27	Mime	Bootes	3 39	7 50	Mench	Andromeda	23 51	8 45

Explanation of the Articles in the Calendar.

THESE PAGES are calculated for Toronto, and for a point midway between Montreal and Quebec, which point is about on the latitude of Three Rivers and Fredericton. They will serve very accurately for every *City and Town in the British Provinces in North America.*

THE SUN'S RISING and SETTING, is given in mean time; and for Toronto, it is corrected for a mean horizontal refraction of 36' 6.98 sec. of arc, and is also suited to the upper limb.



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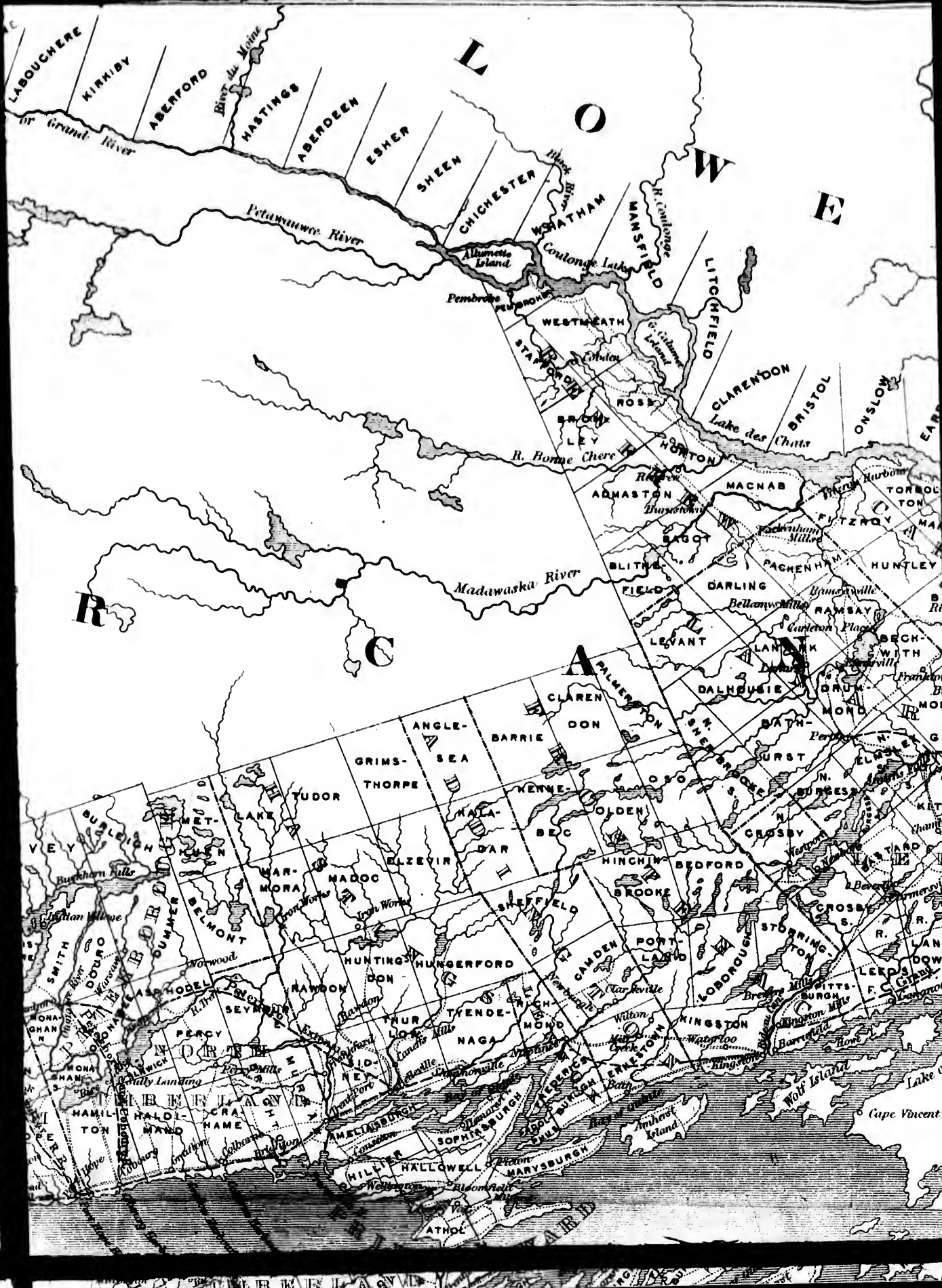
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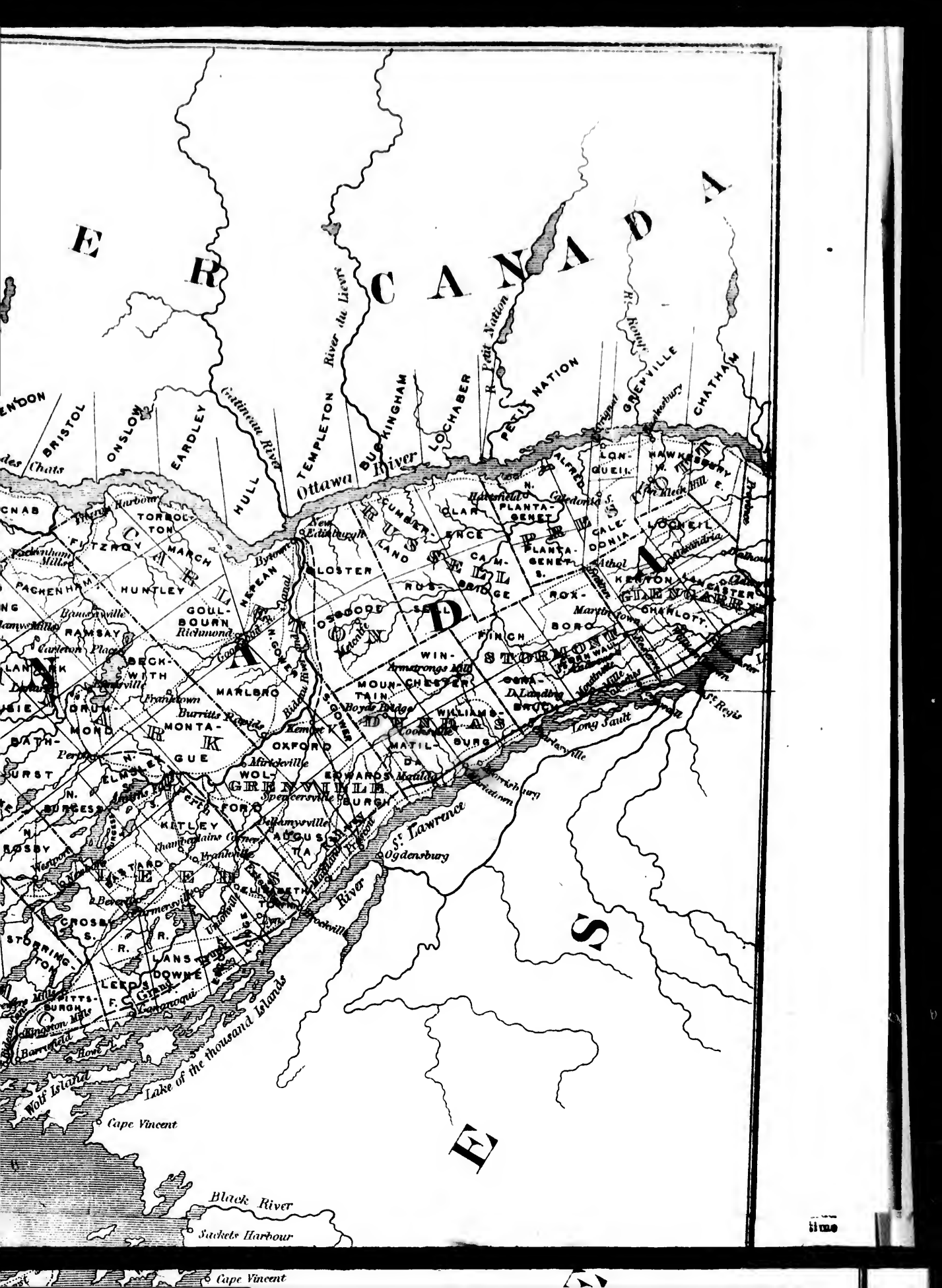
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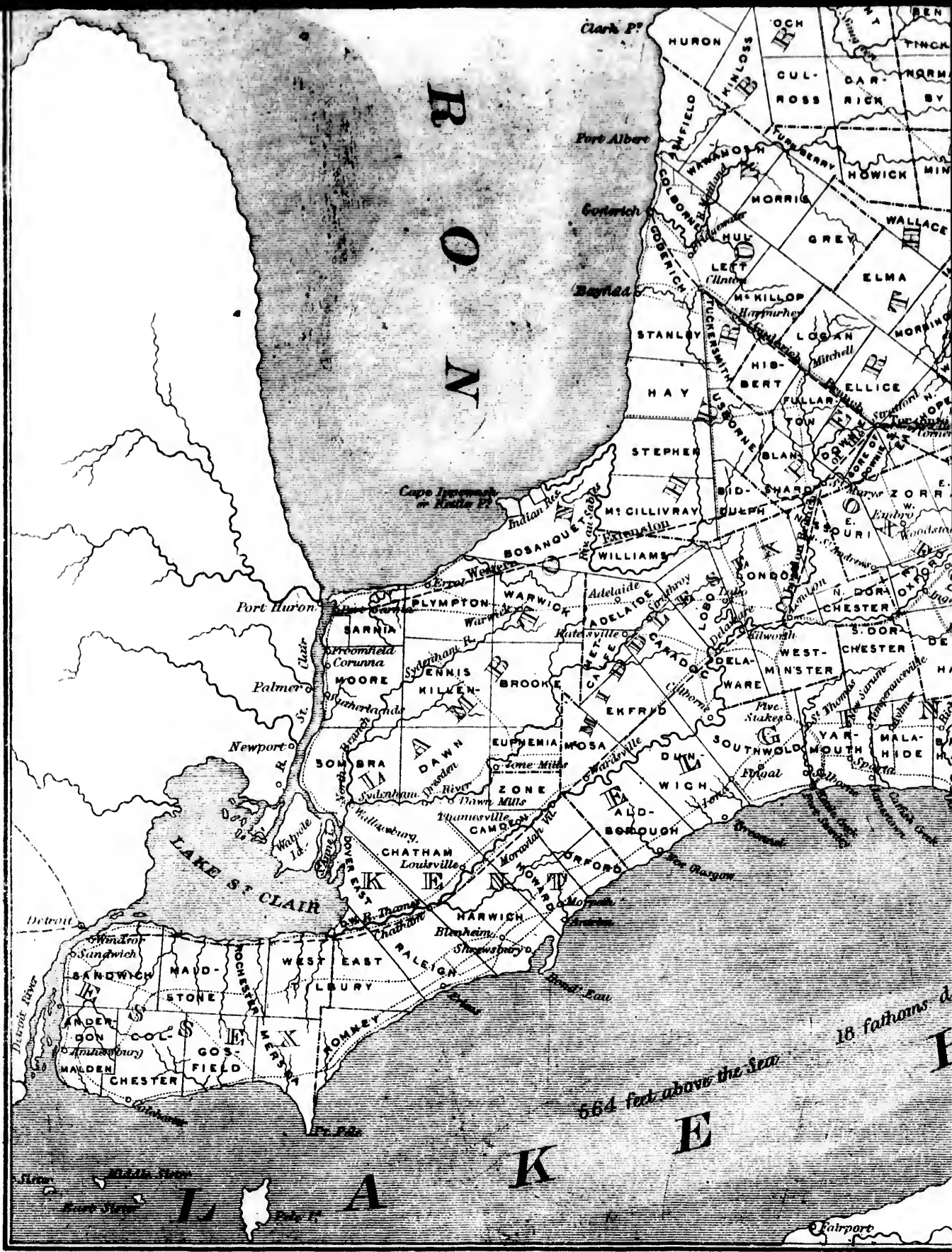
BUSHINGHAM

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PEELY NATION

GREENVILLE

CHATHAM





18 fathoms deep.

Fairport

Erie

Dunkirk

Black Rock
Buffalo

Lackport

St. Catharines

Port Hope

Georgetown

Windsor

London

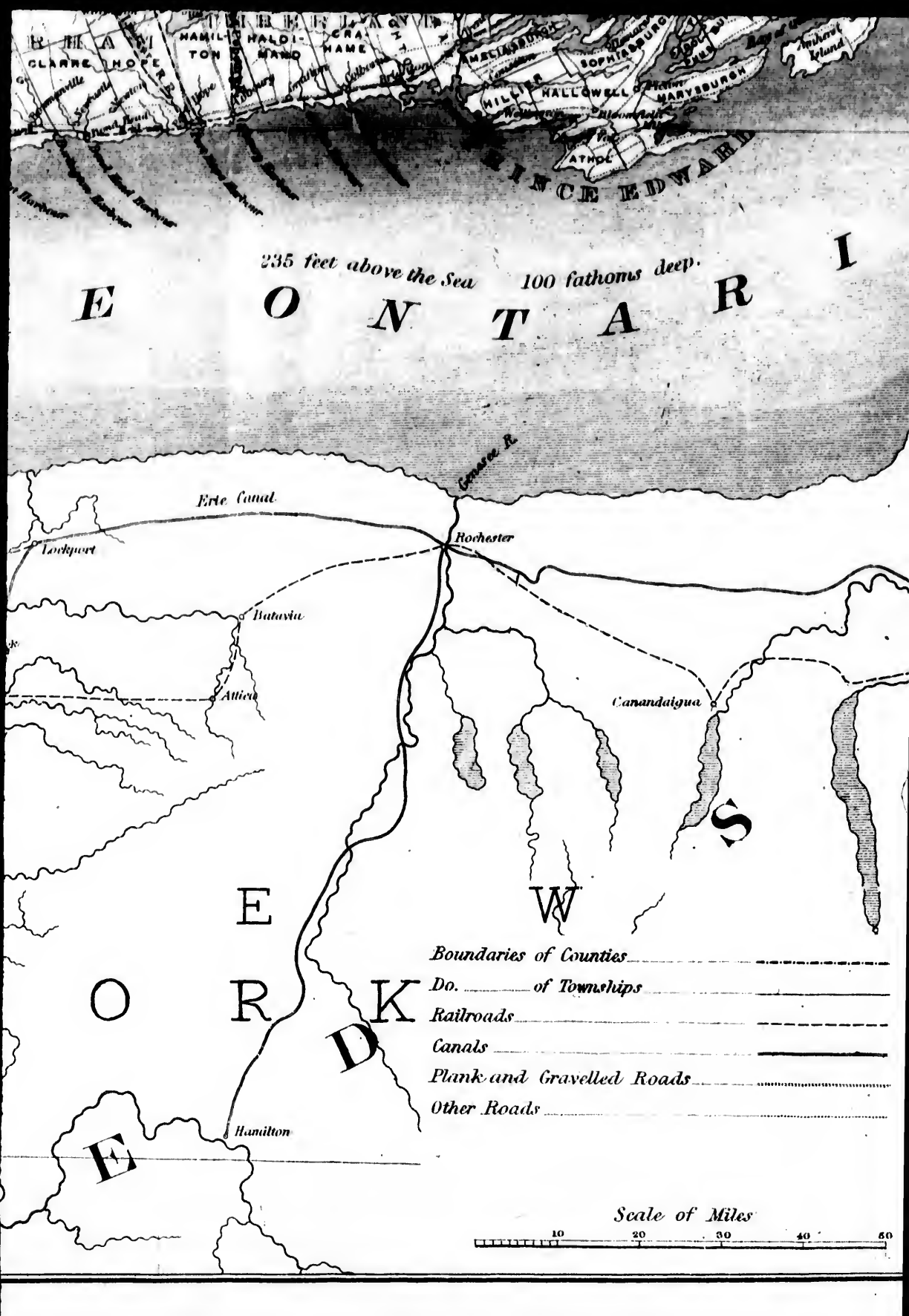
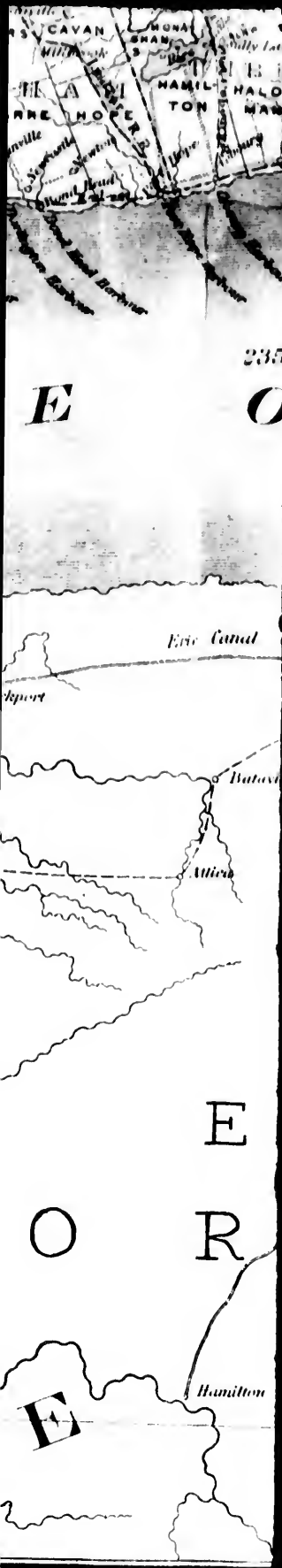
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235 feet above the Sea

100 fathoms deep.

O N T A R I O

Erie Canal

Genesee R.

Lockport

Rochester

Batavia

Canandaigua

E

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W

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Hamilton

Hamilton

Boundaries of Counties

Do. of Townships

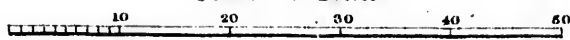
Railroads

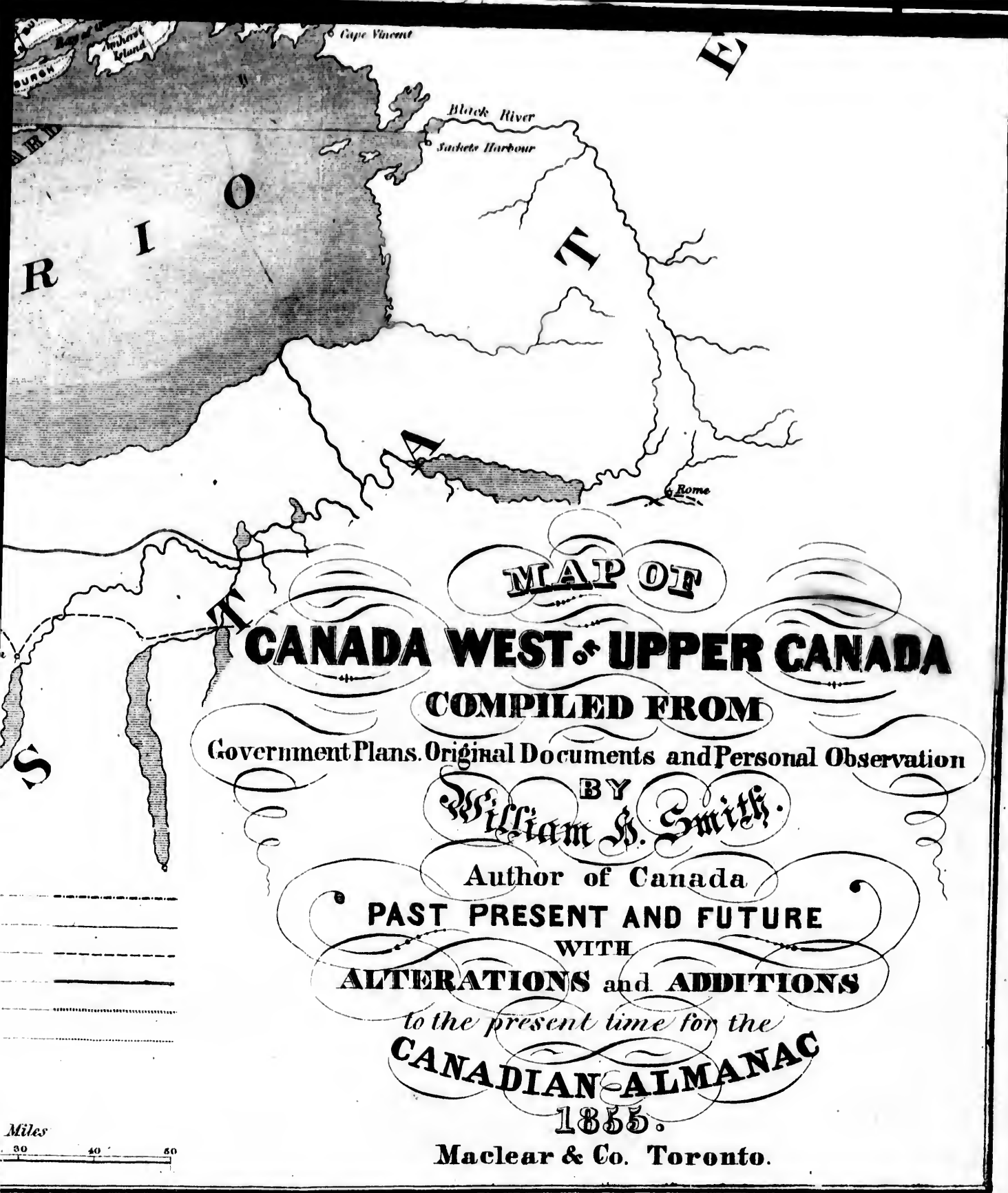
Canals

Plank and Gravelled Roads

Other Roads

Scale of Miles





BURCH
Island

Cape Vincent

Black River

Sachets Harbour

Rome

R
I
O

T

MAP OF

CANADA WEST & UPPER CANADA

COMPILED FROM

Government Plans. Original Documents and Personal Observation

BY
William S. Smith.

Author of Canada

PAST PRESENT AND FUTURE

WITH

ALTERATIONS and ADDITIONS

to the present time for the

CANADIAN ALMANAC

1855.

Maclar & Co. Toronto.

Miles
0 20 40 60

MACLEAR & CO.'S CANADIAN ALMANAC.

THE MOON'S RISING is given from Full to Change, and the setting from Change to Full.

MOON'S PLACE.—The symbols and numbers in this column indicate the Moon's place in the Signs or Constellations of the Zodiac, to the nearest degree of longitude, at 7 o'clock P. M. Toronto Time. Pisces being regarded the first of the signs.

MOON'S AGE.—This column shows to the nearest tenth of a day, the Moon's age at noon, Toronto.

MOON SOUTH.—This column shows the time the Moon is "south," or in the meridian of Toronto, and is nearly the same for all parts of the Provinces.

TWILIGHT.—This table shows at intervals of six days, the times of beginning of twilight in the morning, and of the end at evening—the sun, at the computed instants, being 80 degrees below the horizon.

THE MOON'S PHASES.—This table shows the time for two meridians, when the Moon passes the geocentric longitudes of 0 dg., 90 dg., 180 dg., and 270 dg., from the Sun.

THE COLUMN OF "POLE STAR IN MERIDIAN," shows for every day in the year, the exact time when the North Star makes its transit over the upper meridian of longitude, 5 h. 8 m. 12 s., west of Greenwich, and is sufficiently exact for ordinary use in all of the British Provinces.

The time of the **Lower Transit** for any given day may be found by adding 31 h. 58 m. 2.045 s. to the time of the preceding Upper Transit. This column is designed to facilitate the computation of the Rising, Setting, and Meridian Passage of the brightest Fixed Stars, by using the numbers opposite the same in the Star Table. It will also be found of some service to surveyors and astronomers. When great exactness is required, the meridian passage of the Pole Star, for several places, may be obtained by applying the following corrections to the times expressed in the calendar pages. For Toronto, subtract 2.55 seconds; for Kingston, add 0.22 sec.; for Montreal add 2.24 sec.; for Quebec, add 3.36 sec.; for Fredericton, add 6.32 sec.; and for Halifax, add 8.78 sec.

The times of greatest eastern elongation of the Polar Star, may be found for any day by *subtracting* the following constants from the time of Upper Transit; and the time of greatest Western elongation may be found by *adding* the same constants. For Toronto, 5 h. 53 m. 26.9 sec.; for Kingston, 5 h. 53 m. 21.4 sec.; for Halifax, 5 h. 53 m. 15 sec.; for Montreal, 5 h. 53 m. 4.4 s.; for Fredericton, 5 h. 52 m. 56.8 s.; and for Quebec 5 h. 52 m. 46.75 s. In computing these constants, the mean polar distance of the North Star for 1855 was assumed at 1° 28 m., and the slight variations in that distance will not produce an error of more than two seconds in the constants, when the variations have their greatest value.

There is not sufficient room for a table of the "Azimuth of Greatest Elongation" of the Pole Star. But this can be very easily found for any place by the following formula, the star's polar distance, and the co-latitude of the place being known; the former of which is given for every day in this Almanac.

$$\text{Log. Sine Azimuth} = 10 + \text{Log. Sine Polar Distance} - \text{Log. Sine co-Lat.}$$

NOTE.—The Problems in this Almanac are of a highly practical character, and combine utility with the theoretical. Persons who send solutions of any of these problems, (post-paid) to the Publisher, at Toronto, before July 1st, 1855, will have the same publicly acknowledged in the issue for 1856.

Eclipses for the Year 1855.

There will be two eclipses of the Sun and two of the Moon this year.

I. A Total Eclipse of the Moon, in the evening of May 1, visible throughout Canada. Magnitude 18.348 digits on the southern limb. The total eclipse begins 1 h. 3 m. after the beginning of the eclipse. Total duration of eclipse 3 h. 42 m. See the following table.

II. A Partial Eclipse of the Sun, May 15th, invisible in Canada.

III. A total Eclipse of the Moon, early in the morning of October 25th, visible throughout Canada. Magnitude 17.588 digits on the Moon's Northern limb. Entire duration, 3 h. 25 m. See the following table.

IV. A partial Eclipse of the Sun, Nov. 9th, invisible in Canada.

PRINCIPAL PLACES.	ECLIPSE OF MAY 1ST AND 2ND.				ECLIPSE OF OCTOBER 25TH.			
	Eclipse Begins	Total Begins	Total ends	Eclipse ends	Eclipse begins	Total begins	Total ends	Eclipse ends
	Eve 1st.	Eve. 1st.	Morn 2nd.	Morn 2nd.	Morn 25th.	Morn 25th.	Morn 25th.	Morn 25th.
St. John's, Newfoundland	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Halifax, Nova Scotia	10 45	11 48	1 24	2 27	2 15	3 10	4 45	5 46
Fredricton, N. B.	10 0	11 3	0 39	1 42	1 30	2 31	4 0	5 1
Quebec	9 47	10 50	0 27	1 29	1 17	2 18	3 47	4 48
Three Rivers	9 29	10 32	0 8	1 11	0 59	2 0	3 29	4 30
Montreal	9 24	10 27	0 3	1 6	0 54	1 55	3 24	4 25
Cornwall	9 20	10 23	11 59 (ev) 1st	1 2	0 50	1 51	3 20	4 21
Prescott	9 15	10 18	11 54	0 57	0 45	1 46	3 15	4 16
Bytown	9 12	10 15	11 51	0 54	0 42	1 43	3 12	4 13
Kingston	9 10	10 13	11 49	0 52	0 40	1 41	3 10	4 11
Cobourg	9 7	10 10	11 46	0 49	0 37	1 38	3 7	4 8
Toronto	9 2	10 5	11 41	0 44	0 32	1 33	3 2	4 3
Hamilton	8 57	10 0	11 36	0 39	0 27	1 28	2 57	3 58
London	8 54	9 57	11 33	0 36	0 24	1 25	2 54	3 55
	8 49	9 52	11 29	0 31	0 19	1 20	2 49	3 50

Mathematical Acknowledgements.

We have the pleasure to notice a large number of Solutions of the Problems in the Almanac for 1854, from various correspondents.

We cannot print the Solutions for want of room, nor was this our design, as we do not intend to make the Almanac take the place or character of a mathematical work. The *Answers* of the Problems will be published, and those who solve them correctly will be noticed. In examining the Solutions, we have discarded mistakes in the operations, where the *principles* of working were correct. In such cases we accord to the author the honor of a right solution. We cannot pledge ourselves to look for such errors when the answers are wrong, and correspondents are requested to be very careful in the operations.

MACLEAR CO'S CANADIAN ALMANAC.

Mr. J. L. N. O'HANLEY, P. L. Surveyor, has sent Solutions of Problems 1, 2, 4, 5, 6, 8, 9, 11, 12, 13, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 29, 30, 31, 34, 35, 37, 39, 40, 42, 43, 45, 46, 47, 49, and Geom. Probs. 2, 3, 4, 5, 6; all of which were correct except Probs. 21, 25, 35, 40, 42, 43, 45, 46, 49, and Geom. Probs. 5 and 6.

Mr. CHARLES CLARK, C. S. Teacher, has sent us Solutions of Probs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 17, 18, 21, 22, 23, 24, 26, 27, 29, 30, 31, 33, 34, 35, 36, 39, 40, 43, 45, 47, 49, 50, and Geom. Probs. 2, 3, 4, 5, 6. Only Probs. 27, 43, 49, and 50 were incorrect.

Mr. JOHN NILES, Kingston, C. S. Teacher, has sent solutions of Probs. 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 18, 22, 23, 24, 25, 26, 27, 28, 31, 34, 36, 37, 38, 39, 40, 42, 43, 45, 46, 47, 49, in which only Probs. 3, 25, 27, 38, 39, 42, 43, 45, 46 and 49 were found wrong.

Mr. THOMAS GUERIN, Civil Engineer, Montreal, has forwarded to us solutions of Probs. 1, 11, 16, 27, 31, and Geom. Probs. 3 and 4, all of which are correct except Prob. 27.

Mr. THOMAS JORDAN, School Teacher, of Oxford, has furnished us with Solutions to Probs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 20, 22, 23, 24, 25, 26, 27, 29, 30, 31, 33, 34, 36, 37, 38, 39, 40, 42, 43, 45, 46, 47, 48, 49, and Geom. Probs. 2, 3, 4, 5, and 6; in which only Probs. 2, 13, 25, 27, 38, 39, 40, 42, 43, 46, 47, and Geom. Prob. 6 were solved wrongly.

Mr. JOHN O'LOANE, of Glanford, has made solutions of Probs. 1, 3, 6, 7, 8, 9, 10, 11, 12, 15, 17, 18, 21, 22, 23, 24, 26, 27, 28, 29, 30, 31, 33, 34, 37, 38, 43, 48, 49, 50, in which Probs. 10, 38 and 42 only are incorrect.

Mr. THOMAS MAGENNIS, of St. Andrews, has furnished Solutions of Probs. 1, 8, and 39, which are correct.

Mr. HENRY W. BROWN, of Crowland, has solved Prob. 23, and Geom. Prob. 1, the latter being wrong.

Mr. JAMES DEVLIN, Teacher in Maidstone, has correctly solved Probs. 11, 12, and 40.

Mr. I. J. CHADWICK, of Guisph Grammar School, has sent us solutions of Probs. 2, 3, 4, 5, 6, 8, 9, 11, 12, 13, 14, 15, 20, 22, 23, 24, 25, 26, 28, 34, 35, 39, 43, 47, 48, and Geom. Probs. 3, 4, and 5. Of these only Probs. 14, 36, 43, and Geom. Prob. 5 are wrong.

Mr. GEORGE W. HILL, of Clarkstown, Rockland, County of N. York, has sent us solutions of Probs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 18, 20, 21, 23, 24, 25, 28, 27, 28, 29, 30, 31, 33, 34, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, and Geom. Prob. 2, 3, 4, 5 and 6, all of which are correct.

S. H. WRIGHT.

Note.—It seems that no one has attempted Probs. 19 and 32. There is a short solution to the former, and we will be glad to notice solutions of it from our correspondents next year. In Prob. 26, the glass is supposed to extend over the base of the hemisphere, and the answer is given accordingly. In Geom. Prob. 2, the obliquity of the ecliptic is taken to be $20^{\circ} 27' 32.9''$. In Geom. Prob. 3, the *strongest* instead of the largest rectangle was intended to be printed, and the answer on page 5, is accordingly. The literal formula in answer to Prob. 16, is too tedious and complex for insertion.—S. H. W.

Answers to the Problems in the Almanac for 1854.

Problem 1st. $6^{\circ} 30' 45''$, or 449.68 miles. 2nd. 2480. 3rd. $x = \pm \sqrt{\frac{1}{3}}$ or $\pm \frac{1}{2}$. 4th. 1.081382587. 5th. £109 17s. 9 57-91d. 6th. $x = 2.1293$. 7th. 29.31 years. 8th. $x = 3.89598$ nearly. 9th. 2189. 10th. 0.0023028568 of the whole surface, more than half. 11th. $x = 16$ or 1. 12th. $x = 11$ or 5, and $y = 5$ or 11. (*Note.* $(x^2 + y^2) \times (x - y)$ should have been $(x^2 + y^2) \times (x + y)$.)

13th. 676794. 14th. A. ploughs $\frac{348611}{695556}$, and B. $\frac{346945}{695556}$ of it. 15th. $x = 2$ or 8, and $y = 2$ or $\frac{1}{2}$.

16th. (Ans. too long.). 17th. 59 whole circles. 18th. Jan. 16th, 1854, at noon, or 12 o'clock. 19th. $x = 2$, and $y = 6$. 20th. $x = 20$ or -22 . 21st. A ball 1.6384 inches in diameter.

22nd. 12.426 inches in diameter. 23rd. 42925. 24th. 37.4361726816 solid inches, and 6.3271265 superficial inches. 25th. 5 5-79ths per cent. 26th. 1.2057714 inches. 27th. A's part 0.499375; B's 0.500625 of the bar. 28th. 12.735 inches. 29th. $x = 4$, $y = 3$.

(*Note.* 989535 should have been 989527.) 30th. $x = 3\frac{1}{2}$, $y = 2$. (*Note.* To the expression $\frac{102x}{5}$ should have been added $+16$.) 31st. 5724 miles. 32nd. 18.680557 solid inches, 7.33 surface inches. 33rd. A cylinder $3\frac{1}{2}$ inches high, and 8 inches in diameter. 34th. 3,804 feet from the brightest brilliant. 35th. 1.64092 feet in diameter. 36th. 739.35 lbs. 37th. 200 lbs.

38th. 197.082 feet per second; time, 7.528 $\frac{1}{2}$ minutes; force 7283.3 tons. 39th. 65.97786 years. 40th. 20 oxen. 41st. 185.02 solid & 36.07 surf. in. 42nd. 200.36776 lbs on the longer cord, and 199.63224 lbs on the other. 43rd. 6665 feet exactly. 44th. 3.674226 inches, the sides of the hole, $70^{\circ} 31' 44''$ the included angle, and 63.639612 solid inches, solid area. 45th. 400.4 feet per second, the velocity, 1029 $\frac{1}{2}$ feet, the height; and 4907 feet distance. 46th.

119 $\frac{2016067}{14538107}$ lbs. on one stake, and 80 $\frac{12522040}{14538107}$ lbs on the other. 47th. The point will be 2.8633536 feet, or 62.8633536 feet from A. in the direction of B. 48th. A. in 13 $\frac{1}{2}$ days, B. in 14 14-29 days, C. in 11 1-19 days, and D. in 70 days. All working together can do it in four days. 49th. 0.16347 of an inch too long. 50th. 1.5118579 times more weight.

GEOMETRICAL PROBLEMS.—No. 1. 530.4. No. 2. Torid zone, 50105553920 acres; both Temperate zones, 65354992896 acres; and both Frigid zones together 10403856774.4 acres. Total whole earth 125864403590 acres. No. 3. 5.77 $\frac{1}{2}$ feet by 8.16 $\frac{1}{2}$ feet. (Should have been *strongest* instead of the largest rectangle.) No. 4. 6 $\frac{1}{2}$ diameter. No. 5. 13.85 inches square. No. 6. 2.4853 feet square.

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☿ This is the first month of the year; its Zodiacal sign is CAPRICORNUS, or the Goat; it derives its name from *Janus*, a deity represented by the Romans with two faces, because he was acquainted with past and future events.

Mean Results of Meteorological Observations at Hamilton, by Dr. CRAIGIE. 1846.

MONTH.	THERMOMETER.			Highest.	Lowest.	BAROMETER.			Rainy days.	Slight Showers.	Dry Days.
	Mean at Nine A. M.	Mean at Nine P. M.	Mean of both.			Mean.	Highest.	Lowest.			
January.....	29.2	30.4	29.8	51	4	29.657	30.30	29.22	3	9	19
February ...	24.54	24.4	24.47	48	-4	655	21	28.97	5	7	16
March	38.16	35.32	36.74	53	10	66	14	29.00	4	9	18
April	47.16	44.93	46.05	85	26	774	22	17	5	7	18
May	62.645	57.323	59.984	85	35	603	29.92	25	4	7	20
June	70.43	64.13	67.28	90	45	704	30.10	40	2	8	20
July	77.87	67.0	72.435	98	49	70	08	37	2	7	22
August	74.74	70.52	72.63	93	53	73	29.90	44	4	2	25
September...	68.24	66.00	67.12	90	41	716	95	40	4	8	18
October	48.065	48.645	48.355	76	25	753	30.17	30	7	8	16
November ...	44.1	45.4	44.75	60	20	7255	22	02	4	7	19
December ...	31.74	34.2	32.97	58	16	.669	22	05	4	4	23
Mean	50.215			.....		29.6955			48	83	234

Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites.
1 Mond.	Circumcision.	Jupiter near Mars.	1 27 32	The Satellites of Jupiter will not be visible this month, Jupiter being too near the Sun.
2 Tuesd.	(1) Ed. Burke born 1730.	Moon furthest north.	1 27 32	
3 Wed.	Battle of Princeton 1777.	Moon near P'ollux.	1 27 31	
4 Thur.	Earthquake in Canada, 1663.	Mercury in Aphelion.	1 27 31	
5 Friday	Treaty bet'n Britain & U.S. 1784.	Moon in apogee.	1 27 31	
6 Satur.	Epiphany.	Mercury farthest south.	1 27 31	
7 SUND.	(6) St'r <i>Peerless</i> launched 1853.	Saturn in ♄ this month	1 27 31	
8 Mond.	Galileo died 1612.	Jupiter in ♃ this month	1 27 31	Example 1.—The height of a triangle is 39, and base 21, required the side of the largest inscribed square.
9 Tuesd.	Pontenelle died 1757.	Moon on equator.	1 27 31	
10 Wed.	London Exchange burnt 1838.	Mars in ♃ this month.	1 27 31	Ex. 2.—Required the sides of a right angled triangle, when their sum is 40, and the radius of the inscribed circle is 3.
11 Thur.	Linnaeus died 1778.	Uranus in ♏ this mo.	1 27 31	
12 Friday	Sir C. Bagot, Gov. Gen. 1842.	Venus in Aphelion.	1 27 31	Ex. 3.—Given the chords of two arcs, 4 and 8, and the radius of the circle 12, to find the chord of their sum.
13 Satur.	C. J. Fox born 1749	Moon at Desc. node.	1 27 31	
14 SUND.	Halley died, 1742.	Venus in ♃ this month.	1 27 31	Ex. 4.—The sides of a triangle are 13, 20, and 21. Required the perpendicular let fall on the longest side.
15 Mond.	Gen. Wolfe born, 1726.	Venus north 0 44 even.	1 27 31	
16 Tuesd.	Battle of Corunna, 1809.	Moon furthest south.	1 27 31	
17 Wed.	Benjamin Franklin born, 1706	Moon near Mercury	1 27 31	
18 Thur.	Daniel Webster born 1782.	Jupiter near Venus	1 27 31	
19 Friday	James Watt born, 1736.	Moon east of Mars.	1 27 31	
20 Satur.	Howard died, 1790.	Sun ent. ♃. ♄ sup. ♄ ☉	1 27 31	
21 SUND.	Louis XVI. guillotined 1793.	Mars south 1.23 eve.	1 27 31	
22 Mond.	Byron born 1788.	Moon on equator.	1 27 31	
23 Tuesd.	W. Pitt died, 1806.	Jupiter south 0.33 eve.	1 27 31	
24 Wed.	25) Burns born, 1759.	Saturn south 8.16 eve.	1 27 31	
25 Thur.	Sir F. B. Head, Lt. Gov. 1836.	Jup. near ♄. ♃ in peri.	1 27 31	
26 Friday	Tom Moore died, 1852.	Moon at Ascen. node.	1 27 31	
27 Satur.	Temp. at Quebec, 34° b. zero '53.	Moon near Saturn.	1 27 31	
28 SUND.	Gibbon died, 1794.	Venus in Capricorn.	1 27 31	
29 Mond.	George III. died, 1820.	Jupiter ♄ Sun.	1 27 31	
30 Tuesd.	Charles I. beheaded, 1643.	Mars south 1 16 eve.	1 27 31	
31 Wed.	Earl of Elgin, Gov. Gen. 1847.	Uranus South 5 59 eve.	1 27 32	

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	MOON'S PHASES.	Toronto.		Quebec.		Twilight or Daylight begins and ends at—										
						Toronto.		Halifax.		Montreal.		Fredricton.		Quebec.		
		D.		h m	h m	Days.	Beg.	End.	Beg.	End.	Beg.	End.	Beg.	End.	Beg.	End.
○	Full Moon	3	3	2 mo	3 34 mo											
⊙	Last Quarter	11	6	57 mo	7 29 mo	h m	h m	i m	h m	h m	h m	h m	h m	h m	h m	h m
☾	New Moon	18	3	20 mo	3 52 mo	1 5	5 0	6 17	5 52	6 16	5 53	6 14	5 54	6 13	5 55	6 12
☽	First Quarter	24	8	22 ev	8 54 ev	10 5	5 0	6 2	5 25	6 24	5 52	6 24	5 54	6 22	5 55	6 21
☾	Apogee	5	5	32 mo	6 4 mo	20 5	4 7	6 3	5 48	6 34	5 49	6 33	5 50	6 32	5 50	6 31
☽	Perigee	18	9	26 mo	9 58 mo	30 5	4 1	6 4	5 41	6 43	5 41	6 45	5 43	6 44	5 43	6 44

Dry Days.

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Ephemeris of the Planets, &c.

Day Mo.	Venus South Even.	Mars South Even.	Jupiter South Even.	Saturn South Even.	Sun's Longit. ° ' "	Sun's Right Ascen. h m "	Venus Right Ascen. h m "	Mars Right Ascen. h m "	Jupiter Right Ascen. h m "	Saturn Right Ascen. h m "	Venus Decl. South. ° ' "	Mars Decl. South. ° ' "	Jupiter Decl. South. ° ' "	Saturn Decl. South. ° ' "
1 ...	0 24	1 38	1 38	9 51	280 48	18 47	19 7	20 21	20 22	4 35	23 25	20 40	20 0	20 17
7 ...	0 37	1 34	1 26	9 25	256 55	19 1	19 40	20 41	20 28	4 34	22 32	19 36	19 41	20 15
13 ...	0 41	1 29	1 1	9 0	233 2	19 3	10 12	21 0	20 33	4 33	21 13	18 12	19 21	20 14
19 ...	0 45	1 25	0 45	8 36	209 8	20 7	10 43	19 20	20 3	4 31	19 33	16 48	19 1	20 13
25 ...	0 50	1 20	0 27	8 11	305 14	20 30	11 14	18 20	20 47	4 31	17 32	15 18	18 39	20 12
31 ...	1 2	1 15	0 9	7 47	311 20	20 5	11 44	17 56	20 56	4 30	15 13	13 42	18 17	20 13

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Day of Month	Day of Week	Day of Year	Calendar for Upper Canada and Nova Scotia.						Calendar for Lower Canada and New Brunswick.						DEPARTMENT FOR ALL OF UPPER AND LOWER CANADA.									
			Sun Rises.		Sun Sets.		Moon Sets.		Sun Rises.		Sun Sets.		Moon Sets.		Pole Star	Shadow at Noon	Mars' Age	Moon's South Even.	Moon's Place at 7 P.M.	Sun's Decl. at Noon				
			h	m	h	m	h	m	h	m	h	m	h	m	h	m	s	h	m	°	'	"		
1	Mond	17	36	4 32	6 21	7 48	4 20	6 31	6 22	7 12	3 50	12 8	11 8	♄	26	23	1 10							
2	Tuesd	17	36	4 33	Rises	7 48	4 21	Rises	6 18	10 12	4 18	13 8	12 0	♄										
3	Wed.	17	36	4 34	4 45	7 48	4 22	4 35	8 14	14 12	4 46	14 8	Morn	do.	20	22	50	21						
4	Thur.	17	36	4 35	5 44	7 47	4 23	5 35	6 10	17 12	5 13	15 8	1 40	♄										
5	Friday	17	36	4 36	6 47	7 47	4 24	6 39	6 6	20 12	5 40	16 8	1 50	do.	14	22	37	42						
6	Satur	17	36	4 37	7 50	7 47	4 25	7 44	6 2	23 12	6 7	17 8	2 26	do.	26	22	30	43						
7	Sund	17	35	4 38	8 52	7 47	4 26	8 48	5 58	26 12	6 33	18 8	3 10	♄	8	22	23	16						
8	Mond.	17	35	4 39	9 55	7 47	4 28	9 53	5 54	29 12	6 58	19 8	3 33	do.	20	22	15	24						
9	Tues l.	17	35	4 40	10 58	7 47	4 29	10 57	5 50	33 12	7 25	20 8	4 34	♄										
10	Wed.	16	35	4 41	Morn	7 46	4 30	Morn	5 46	36 12	7 48	21 8	5 15	do.	14	21	58	20						
11	Thur	11	34	4 42	2	7 46	4 31	3	5 42	39 12	8 12	22 8	5 57	do.	27	19	49	9						
12	Friday	12	34	4 43	1	9 7	46 4	32	1 13	5 38	42 12	8 37	23 8	♄	6	41	39	33						
13	Satur.	13	34	4 45	2	19 7	45 4	34	2 24	5 34	46 12	8 58	24 8	do.	24	21	29	32						
14	Sund.	14	33	4 46	3	34 7	45 4	36	3 42	5 30	49 12	9 26	25 8	♄	8	21	19	6						
15	Mond l.	15	33	4 47	4	52 7	44 4	37	5 1	5 26	52 12	9 42	26 8	do.	22	21	8	15						
16	Tuesd.	16	32	4 48	6	6 7	43 4	38	6 16	5 22	56 12	10 2	27 8	♄	10	26	7							
17	Wed	17	31	4 50	Sets	7 42	4 39	Sets.	5 18	59 12	10 23	28 8	11 32	do.	22	20	45	20						
18	Thurs.	18	31	4 51	5	16 7	42 4	40	5 8	5 15	2 12	10 43	0 2	Ev.	33	8	20	33	17					
19	Friday	19	30	4 52	6	41 7	41 4	41	6 34	5 11	5 12	11 1	1 3	♄	1	40	22	20	51					
20	Satur.	20	29	4 53	8	37 40	4 42	7 59	5 7	8 12	11 19	2 3	2 37	♄	8	20	8	2						
21	Sund.	21	29	4 55	9	20 7	39 4	43	9 18	5 3	11 12	11 37	3 3	do.	23	19	54	50						
22	Mond.	22	28	4 56	10	33 7	38 4	45	10 33	4 59	15 12	11 53	4 3	♄	7	19	41	16						
23	Tuesd.	23	27	4 57	11	44 7	37 4	47	11 46	4 55	19 12	12 9	5 2	do.	20	19	27	20						
24	Wed.	24	26	4 59	Morn	7 36	4 48	Morn	4 51	21 12	12 24	6 3	5 51	♄	4	19	13	2						
25	Thurs.	25	25	5 00	0	54 7	35 4	50	58	4 47	24 12	12 38	7 3	do.	17	18	58	23						
26	Friday	26	24	5 01	2	27 34	4	52	2 9	4 43	28 12	12 51	8 3	do.	29	18	43	24						
27	Satur.	27	23	5 03	3	9 7	33 4	53	3 17	4 39	32 12	13 3	9 3	♄	11	18	28	5						
28	Sund.	28	22	5 04	4	14 7	32 4	54	4 23	4 35	36 12	13 15	10 3	do.	23	18	12	25						
29	Mond.	29	21	5 06	5	13 7	31 4	56	5 23	4 31	38 12	13 20	11 3	♄	5	17	56	26						
30	Tuesd.	30	20	5 07	6	7 7	30 4	58	6 18	4 27	41 12	13 31	12 3	do.	17	17	40	8						
31	Wed.	31	19	5 08	6	52 7	29 5	59	7 2	4 23	44 12	13 45	13 3	do.	29	17	23	31						

PROB. 1.—Three sons, whose ages are 8, 10, and 13 years, are to share a legacy of \$12,000, which must be so divided that each part being placed at 7 per cent. compound interest, shall amount to equal sums when they are 21 years of age. Required the portion of each.

PROB. 2.—A. can do a piece of work in 8 days, and B. can do it in 6 days; what part of it can both do in 3 days?

PROB. 3.—Required the largest pentagon inscribed in an equilateral triangle whose sides are four feet each?

☿ This month has AQUARIUS, or the Water-bearer for its Zodiacal sign; its name is from the *Februa*, or sacrifices offered to the manes of the gods at this season.

Mean Results of Meteorological Observations at Hamilton, by Dr. CRAIGIE. 1847.

MONTH.	THERMOMETER.			Highest.	Lowest.	BAROMETER.			Rainy days.	Slight Showers.	Dry days.
	Mean at Nine, A. M.	Mean at Nine P. M.	Mean of Both.			Mean.	Highest.	Lowest.			
January ...	25.774	26.29	26.032	54	2	29.65	30.17	28.90	5	7	19
February ...	25.786	27.678	26.732	45	2	594	03	86	4	9	15
March	32.42	32.48	32.45	54	10	69	05	29.15	2	3	26
April	46.03	43.2	44.615	77	20	657	06	18	3	6	21
May	59.54	55.26	57.4	84	34	665	00	20	2	7	22
June	67.16	61.4	64.28	90	41	649	29.96	10	3	9	18
July	78.6	71.6	75.1	96	46	752	98	50	1	5	25
August	71.19	66.13	68.66	88	48	75	30.02	42	2	7	22
September...	60.66	58.56	59.62	86	39	694	04	37	5	10	15
October	47.9	48.03	47.965	72	24	707	34	07	4	7	20
November ...	41.77	41.93	41.85	71	11	695	19	30	5	8	17
December ...	32.7	33.8	33.25	58	10	667	02	28.97	5	11	15
Mean.....			48.163			29.681			41	89	235

Day of Month.	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites.
1	Thur.	Battle of Brienne, 1814.	Uranus 90° east of Sun.	0 // /	The Satellites of Jupiter will not be visible this month, Jupiter being too near the sun.
2	Friday	<i>Andlemas.</i>	Mars south 1.13 eve.	1 27 32	
3	Satur.	Spanish Inquisition abol. 1813.	Saturn in ♄ this month	1 27 32	
4	SUND.	<i>Septuagesima.</i>	Jupiter in ♃ this month	1 27 32	
5	Mond.	(4) Order of St. Patrick Inst. 1783.	Moon in equator.	1 27 32	
6	Tuesd.	R. Lander died, 1834.	<i>Mars eclipsed by Mercury</i>	1 27 32	
7	Wed.	(6) Battle of Elizabethtown, 1813.	(7th, ♀ ♂ ♃). ♀ n'r ♄.	1 27 32	
8	Thur.	Mary Queen of Scots beh. 1587.	Saturn stationary.	1 27 33	
9	Friday	Canada ceded to Britain, 1763.	Mars in ♄ this month.	1 27 33	
10	Satur.	Queen Victoria married 1840.	Uranus in ♄ this month	1 27 33	
11	SUND.	Lord Sydenham Gov. Gen. 1840.	Jupiter south 11.13 mo.	1 27 33	
12	Mond.	Lady Jane Grey beheaded 1554.	Moon farthest south.	1 27 33	
13	Tuesd.	B. Cellini died 1570.	Venus south 1.13 eve.	1 27 33	
14	Wed.	<i>Valentine Day.</i>	Mars south 1.1 eve.	1 27 33	
15	Thur.	L. Blanchard com. suicide, 1845.	Moon in perigee.	1 27 34	
16	Friday	Melancthon born 1497.	Venus south 1.15 eve.	1 27 34	
17	Satur.	Partition of Poland, 1772.	Moon near Mars & ♀	1 27 34	
18	SUND.	<i>Quinquagesima.</i>	Sun enters ♋. ♄ Gr.	1 27 34	
19	Mond.	(18) Canada settled, 1534.	Venus in ♋. [elong E.	1 27 34	
20	Tuesd.	Voltaire born, 1694.	Venus near Mercury.	1 27 35	
21	Wed.	<i>Ash Wednesday.</i>	Moon near Uranus.	1 27 35	
22	Thur.	(21) 92 Resolutions passed, 1834.	Moon at Ascen. node.	1 27 35	
23	Friday	(25) Washington born, 1732.	Moon near Saturn.	1 27 35	
24	Satur.	Handel born, 1684.	Mercury Stationary.	1 27 35	
25	SUND.	<i>1st Sunday in Lent.</i>	Saturn south 6.10 eve.	1 27 36	
26	Mond.	James Hervey born, 1714.	Moon farthest north.	1 27 36	
27	Tuesd.	Sir J. Colborne Admin. 1833.	Saturn 90 East of Sun.	1 27 36	
28	Wed.	Montaigne born 1533.	Mars near Mercury.	1 27 36	

GEOMETRICAL PROBLEM I.—How many solid and superficial inches in a ring, whose diameter inside is 8 inches, and thickness 2 inches?

- Full Moon
- Last Quarter
- ☾ New Moon
- ☽ First Quarter
- ☾ Perigee
- ☽ Apogee

Day	Mo.	Year	Son	Ev.
1	...	1	...	1
7	...	1	...	1
2	...	1	...	1
19	...	1	...	1
25	...	1	...	1
28	...	1	...	1

- 1 Thur.
- 2 Friday
- 3 Satur.
- 4 **Sund.**
- 5 Mond.
- 6 Tuesd.
- 7 Wed.
- 8 Thur.
- 9 Friday
- 10 Satur.
- 11 **Sund.**
- 12 Mond.
- 13 Tuesd.
- 14 Wed.
- 15 Thur.
- 16 Friday
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- 18 **Sund.**
- 19 Mond.
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- 24 Satur.
- 25 **Sund.**
- 26 Mond.
- 27 Tuesd.
- 28 Wed.

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MOON' PHASES.	D.	Toronto.		Quebec.		Twilight or Daylight begins and ends at—													
						Toronto.		Halifax.		Montreal.		Fredricton.		Quebec.					
		h	m	h	m	Day.	Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End			
○ Full Moon	1	10	24	ev	10	56	ev												
● Last Quarter ...	4	9	44	ev	10	16	ev	h	m	h	m	h	m	h	m	h	m		
☾ New Moon	14	1	30	ev	2	2	ev	15	39	6	48	5	39	6	48	5	39		
☽ First Quarter ...	22	0	17	ev	0	49	ev	10	5	29	6	59	5	30	6	59	5	30	
☾ Perigee	15	9	14	ev	9	46	ev	20	5	14	7	14	5	16	7	12	5	16	
☾ Apogee	28	2	50	ev	3	22	ev	28	5	27	22	5	27	22	5	17	25	5	17

Ephemeris of the Planets, &c.

Day	Mo.	Venus South Elev.	Mars South Elev.	Jupiter South Elev.	Saturn South Elev.	Sun's Longit. & Elev.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupiter Right Ascen.	Saturn Right Ascen.	Venus Decl. South.	Mars Decl. South.	Jupiter Decl. South.	Saturn Decl. North.		
7	19	h m	h m	h m	h m	° ' "	h m	h m	h m	h m	h m	° ' "	° ' "	° ' "	° ' "		
1 ...	1	3	1	14	morn	7 43	312 21	20 59	21 49	21 59	20 52	4 30	14 48	13 25	18 13	20 13	
7 ...	1	8	1	8	11	48	7 20	318 20	21 23	22 18	22 17	20 58	4 30	12 12	11 43	17 50	20 14
2 ...	1	13	1	2	11	30	6 56	324 36	21 47	22 46	22 35	21 3	4 30	9 21	9 58	17 27	20 16
19 ...	1	17	0	56	11	13	6 33	330 33	22 16	23 14	22 53	21 9	4 30	6 28	8 9	17 3	20 18
25 ...	1	21	0	50	10	55	6 10	336 35	22 33	23 41	23 16	21 14	4 31	3 25	6 18	16 39	20 21
28 ...	1	23	0	47	10	46	5 58	339 40	22 45	23 55	23 14	21 17	4 31	1 52	5 21	16 27	20 22

Day of Month	Day of Week	DEPARTMENT FOR ALL OF UPPER AND LOWER CANADA.															
		Calendar for Upper Canada and Nova Scotia.						Calendar for Lower Canada and New Brunswick.									
		Sun Rises.	Sun Sets.	Moon Rises.	Moon Sets.	Sun Rises.	Sun Sets.	Moon Rises.	Moon Sets.	Pole Star in Meridian Evening.	Shadow at Noon Evening.	Mir's Age Noon.	Moon South. Morn.	Moon's Place at 7 P. M.	Sun's declination South.		
1	Thur.	32	7 18	10 4	39	7 28	0 4	31	4 10	47 12	13 53	14.2	Morn	♄	11	17	6 35
2	Friday	33	7 15	11 5	41	7 26	5 3	34	4 15	51 12	14 6	15.3	24	do.	♃	16	49 22
3	Satur.	34	7 16	13 6	44	7 25	3 6	31	4 11	54 12	14 7	16.3	1 9	♃	3	16	31 51
4	Sund.	35	7 14	14 7	48	7 23	5 7	4	4 7	57 12	14 13	17.3	1 52	do.	♂	17	6 14 3
5	Mond.	36	7 13	15 8	51	7 22	6 8	56	4 4	0 12	14 18	18.3	2 23	do.	♂	21	15 55 58
6	Tuesd.	37	7 12	17 9	53	7 20	8 9	51	4 0	4 12	14 22	19.3	3 14	♃	11	5	37 37
7	Wed.	38	7 11	18 10	59	7 19	9 11	2	3 56	7 12	14 25	20.3	3 55	do.	♂	23	15 19 0
8	Thur.	39	7 8	19 Morn	7	19 5	11	Morn	3 52	11 12	14 28	21.3	4 38	♃	6	15	0 7
9	Friday	40	7 5	21	7	17 5	13	12	3 48	14 12	14 30	22.3	5 23	do.	♂	19	14 40 59
10	Satur.	41	7 6	22 1	18	16 5	14	1 25	3 44	17 12	14 31	23.3	6 12	♃	3	14	21 36
11	Sund.	42	7 4	24 2	20	15 5	15	2 38	3 40	21 12	14 31	24.3	7 6	do.	♂	10	14 1 59
12	Mond.	43	7 3	25 3	23	14 5	16	3 54	3 36	24 12	14 31	25.3	8 6	♂	1	13	42 8
13	Tuesd.	44	7 2	27 4	27	12 5	18	5 4	3 32	27 12	14 30	26.3	9 9	do.	♂	15	13 22 3
14	Wed.	45	7 1	28 5	30	11 5	20	6 5	3 28	31 12	14 28	27.3	10 15	do.	♂	18	13 1 45
15	Thur.	46	7 0	29 6	33	10 5	21	6 51	3 24	34 12	14 25	28.3	11 19	♃	10	12	41 14
16	Friday	47	6 58	31 Sets	7	6 5	23	Sets	3 20	38 12	14 22	29.3	ev. 18	♃	1	12	20 31
17	Satur.	48	6 56	32 6	51	7 5	25	6 48	3 16	41 12	14 18	30.3	1 14	do.	♂	10	11 59 36
18	Sund.	49	6 55	33 8	10	7 3	26	8 9	3 12	44 12	14 13	31.3	2 6	♃	1	11	38 30
19	Mond.	50	6 53	35 9	24	7 2	26	9 26	3 8	48 12	14 7	32.3	2 55	do.	♂	15	11 17 13
20	Tuesd.	51	6 52	36 10	37	7 0	28	10 46	3 4	51 12	14 1	33.3	3 43	do.	♂	21	10 55 46
21	Wed.	52	6 50	37 11	48	6 58	30	11 53	3 0	55 12	13 54	34.3	4 30	♃	12	10 34 8	
22	Thur.	53	6 49	39 Morn	6	56	32	Morn	2 56	58 12	13 47	35.3	5 19	do.	♂	25	10 12 21
23	Friday	54	6 47	40	58	6 55	33	1 6	2 53	2 12	13 38	36.3	6 9	♃	8	9	50 24
24	Satur.	55	6 45	42 2	46	54	35	2 14	2 49	5 12	13 30	37.3	7 9	do.	♂	20	9 28 19
25	Sund.	56	6 44	43 3	9	51	35	3 19	2 45	9 12	13 20	38.3	8 51	♂	2	9	6 5
26	Mond.	57	6 42	44 4	3	5	37	4 15	2 41	12 12	13 10	39.3	8 42	do.	♂	14	8 43 43
27	Tuesd.	58	6 40	46 4	51	6 57	39	5 1	2 37	16 12	12 59	40.3	9 32	do.	♂	26	8 21 14
28	Wed.	59	6 39	47 5	30	6 55	41	5 40	2 33	19 12	12 48	41.3	10 20	♃	8	7	58 37

Prob. 4.—The sides of a hexagon are 12, what is the side of the largest inscribed square?

Prob. 5.—A father wills \$16,000, \$12,000, and \$8,000, to his three children. But it is found his estate is worth only \$20,000. How much must each share be?

Prob. 6.—The clocks in Italy go on to 24 hours? How many strokes do they strike in that time?

Prob. 7.—A. B. and C. agree to do a piece of work for \$26.45. A. and B. do 3-4ths of it, A. and C. do 9-10ths, and B. and C. do 13-20ths. What ought each to have?

Prob. 8.—The greatest diameter of an octagon is 18, required its inscribed square.

Prob. 9.—Required the largest 8-sided figure that can be inscribed in a square, whose side is 20 inches.

Slight Showers. Dry days. 7 19, 9 15, 3 26, 6 21, 7 22, 9 18, 5 25, 7 22, 10 15, 7 20, 8 17, 11 15, 89 235

Jupiter will month. Ju- the sun.

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✕ March is the third month of the year; with the ancients it was the first. The name is said to be derived from that of *Mars*, the God of War; its Zodiacal sign is *Pisces*, the Fishes.

Mean Results of Meteorological Observations at Hamilton, by Dr. CRAIGIE. 1848.

MONTH.	THERMOMETER.			Highest.	Lowest.	BAROMETER.			Rainy days.	Slight Showers.	Dry Days.	
	Mean at Nine, A. M.	Mean at Nine, P. M.	Mean of both.			Mean.	Highest.	Lowest.				
January.....	30.90	30.4	30.65	60	-1	29.685	30.22	29.05	4	7	20	
February ...	29.62	30.2	29.91	55	5	594	07	00	1	5	23	
March	32.55	32.45	32.5	72	6	642	29.95	19	4	6	21	
April	46.2	45.9	46.05	84	26	777	30.09	38	2	5	23	
May	61.42	58.16	59.79	91	35	566	29.87	27	3	7	21	
June	70.83	68.2	69.52	100	42	615	95	28	1	7	22	
July	70.32	68.8	69.61	94	51	628	80	23	1	9	21	
August	73.58	72.516	73.048	96	53	7065	88	33	2	5	24	
September...	58.9	57.3	58.1	80	33	623	93	28.99	4	8	18	
October	51.096	50.77	50.933	78	32	677	30.13	29.22	3	6	22	
November ...	37.2	37.13	37.166	51	25	694	09	28.90	5	6	19	
December ...	34.41	34.13	34.27	60	13	649	12	29.05	5	9	17	
Mean	49.295				29,663				35	80	251

Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites
1 Thur.	<i>St. David.</i>		o / //	
2 Friday	Rev. John Wesley died 1791.	Mars in Aquarius.	1 27 37	Sat. Toronto. D. H. M.
3 Satur.	Battle of Point au Pelee, 1838.	Venus on Equator.	1 27 37	11. Disapp. 23 4 46. Mo.
4 SUND.	First American Congress, 1793.	Saturn south 5.43 eve.	1 27 37	
5 Mond.	Layard born 1817.	Moon on equator.	1 27 38	
6 Tuesd.	York changed to Toronto, 1834.	Mercury Inf: ♀ Sun.	1 27 38	
7 Wed.	William III. died 1702.	Venus in Pisces	1 27 38	Er. 12.—The diagonal of a
8 Thur.	Mon. S. Smith Admin. 1820.	Moon at Desc. node.	1 27 38	rectangle is 109, and the sum of
9 Friday	Amerleus Vesputius b. 1451.	Venus South 1.28 eve.	1 27 38	its sides is 302; required the
10 Satur.	Botany Bay discovered, 1787.	Saturn in Taurus.	1 27 39	sides.
11 SUND.	Passo born, 1514.	Jupiter south 10.12 mo.	1 27 39	Er. 13.—The radius of a circle
12 Mond.	Peace of Utrecht 1713.	Jupiter in Capricorn.	1 27 39	is 100; what is the side of the
13 Tuesd.	Planet Herschel disc. 1781.	Moon farthest south.	1 27 40	inscribed octagon?
14 Wed.	York (Toronto) market town. 1814	Mars near equinox.	1 27 40	Er. 14.—Required the side of
15 Thur.	Cornwallis def. the Amer. 1781.	Moon near Jupiter.	1 27 40	a pentagon described in a circle
16 Friday	Cesar invades Britain 55 B. C.	Moon in perigee.	1 27 41	whose radius is 100.
17 Satur.	<i>St. Patrick's Day.</i>	Mars on equator.	1 27 41	Er. 15.—Required the side of
18 SUND.	Princess Louisa born, 1818.	Mercury Stationary.	1 27 41	a decagon. Inscribed in the circle
19 Mond.	18) Death of Cleopatra 30 B. C.	Moon near Venus..	1 27 41	of radius 100.
20 Tuesd.	Newton diad 1727.	Sun enters Pisces.	1 27 42	Er. 16.—Required the side of
21 Wed.	Roman Empire greatest 30 B. C	Moon at Ascen. node.	1 27 42	an equilateral triangle, inscribed
22 Thur.	Goethe died. 1832.	Mars south 4.37 ev.	1 27 42	in the same circle.
23 Friday	Kotzebue killed 1819.	Moon near Saturn.	1 27 43	Er. 17.—In a triangle, the
24 Satur.	Druidical Religion in Britain 50.	Venus south 1.37 ev.	1 27 43	perpendicular is 60, and the
25 SUND.	<i>Lady Day.</i>	Moon farthest north.	1 27 43	radii of the inscribed and circumscribed
26 Mond.	Bank of England incorp. 1694.	Saturn south, 4.23 eve	1 27 43	circles are 15 and 34 17-30ths; required the sides.
27 Tuesd.	Peace of Amiens 1802.	Jupiter south, 9.22 mo.	1 27 41	Er. 18.—Required the diam-
28 Wed.	First persecution of Christians 64	Moon apogee.	1 27 41	eter of a circle, the area of an
29 Thur.	30) Christian Churches built 230.	Venus south 1.40 eve.	1 27 44	equilateral triangle standing on
30 Friday	Lord Metcalfe Gov. Gen. 1843.	Mars in Pisces.	1 27 45	the base of half the circle, being
31 Satur.	Thorwaldson died 1844	Venus in Aries.	1 27 45	4/3.

Moon's Ph

- Full Moo
- ◐ Last Quar
- ◑ New Moo
- ◒ First Qua
- ◓ Perigee .
- ◔ Apogee .

Day Mo.	Venus South Even.
1 ...	h n 1 23
7 ...	1 27
13 ...	1 30
19 ...	1 33
25 ...	1 37
31 ...	1 41

Day of Month	Day of Week.	Day of Year.
1 Thur.	60	
2 Friday	61	
3 Satur.	62	
4 SUND.	63	
5 Mond.	64	
6 Tues.	65	
7 Wed.	66	
8 Thur.	67	
9 Friday	68	
10 Satur.	69	
11 SUND.	70	
12 Mond.	71	
13 Tues.	72	
14 Wed.	73	
15 Thur.	74	
16 Friday	75	
17 Satur.	76	
18 SUND.	77	
19 Mond.	78	
20 Tuesd.	79	
21 Wed.	80	
22 Thur.	81	
23 Friday	82	
24 Satur.	83	
25 SUND.	84	
26 Mond.	85	
27 Tues.	86	
28 Wed.	87	
29 Thur.	88	
30 Friday	89	
31 Satur.	90	

Prob. 10.— goods, is to b without inter second in six months. Mo much ready n

name is said fishes.

GAIGIE.

Table with columns: Rainy days, Slight Showers, Dry Days. Rows 1-5 with values 4, 7, 20, 1, 4, 5, 23, 2, 5, 23, 3, 7, 21, 1, 1, 9, 22, 2, 5, 24, 3, 8, 18, 4, 6, 22, 5, 6, 19, 5, 9, 17.

MOON'S PHASES. D. Toronto Quebec. Twilight or Daylight begins and ends at— Toronto, Halifax, Montreal, Frederic., Quebec. Days. Beg. End A. M. P. M. A. M. P. M. A. M. P. M. A. M. P. M. A. M. P. M.

Ephemeris of the Planets, &c. Venus South Even, Mars South Even, Jupiter South Morn, Saturn South Even, Sun's Long. & Lat., Sun's Right Ascen, Venus Right Ascen, Mars Right Ascen, Jupiter Right Ascen, Saturn Right Ascen, Venus Decl. South, Mars Decl. South, Jupiter Decl. South, Saturn Decl. North.

DEPARTMENT FOR ALL OF UPPER AND LOWER CANADA. Pole Star in Meridian Evening, Shadow at Noon Mark Evening, Mr's Age Noon, Moon South Even, Moon's Place at 7 P. M., Sun's Declination South.

Jupiter's Satellites

D. H. M. 20 4 46 Mo.

diagonal of a and the sm of 2; required the

radius of a circle the side of the

required the side of a circle

required the side of a circle

required the side of a triangle, inscribed

a triangle, the sides 10, and the

required the diameter of an

PROB. 10.—A purchase of \$15,000 worth of goods, is to be paid for in three equal payments, without interest; the first in 4 months, the second in six months, and the last in nine months. Money being worth 7 per cent., how much ready money ought to pay the debt?

PROB. 11.—If the diameter of the earth be 8,000 miles, and a hole be perforated through it centrally, how long would a ball be in reaching the centre, if it be placed within said hole, which is supposed to be a vacuum, and what velocity will it acquire at that point?

♈ This is the fourth month of the year, having for its sign **ARIES**, the Ram. Its Latin name *Aprilis*, is from *Aperio*, to open or set forth.

Mean Results of Meteorological Observations at Hamilton, by Dr. CRAIGIE.
1849.

MONTH.	THERMOMETER.					BAROMETER.			Rainy Days.	Slight Showers.	Dry days.
	Mean at Nine, A. M.	Mean at Nine, P. M.	Mean of both.	Highest.	Lowest.	Mean.	Highest.	Lowest.			
January.....	23.20	24.50	23.85	53	-6	29.83	30.47	29.20	3	7	21
February ...	22.714	25.142	23.928	49	-6	29.767	30.30	29.15	3	7	18
March	36.71	38.03	37.37	73	23	29.745	30.18	29.00	2	5	24
April	42.4	42.64	42.52	77	22	29.676	30.00	29.15	1	8	21
May	52.36	52.64	52.5	84	35	29.7065	30.22	29.08	6	8	17
June	69.47	67.37	68.42	99	45	29.735	29.98	29.42	2	5	23
July	73.16	71.9	72.53	101	54	29.79	30.08	29.44	2	2	27
August . . .	70.16	69.9	70.03	98	53	29.728	29.90	29.26	2	7	22
September .	61.93	61.66	61.8	89	40	29.766	30.15	29.18	1	5	24
October. . .	48.968	49.486	49.227	75	30	29.657	30.02	29.20	6	8	17
November . .	45.966	46.5	46.233	68	30	29.629	29.95	29.25	5	5	20
December ...	29.16	28.55	28.855	55	3	29.683	30.24	29.27	5	10	16
Mean	48.105					29.726			88	77	250

Day of Month	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites
1	SUND.	<i>Palm Sunday.</i>	Venus in Ascen. node.	1 27 45	
2	Mond.	Battle of Copenhagen 1801.	Mercury gr. elong. west.	1 27 46	
3	Tuesd.	Bishop Heber died, 1826.	Venus in Aries.	1 27 46	
4	Wed.	Shakespeare born 1564.	Moon at Desc. node.	1 27 46	
5	Thur.	Stow died 1790.	Mars in Pisces.	1 27 47	
6	Friday	<i>Good Friday.</i>	Venus south 1.46 eve.	1 27 47	
7	Satur.	(6) Saxons in Britain 455.	Venus near Uranus.	1 27 47	
8	SUND.	<i>Easter Sunday.</i>	Moon farthest south.	1 27 48	
9	Mond.	(8) Hudson's Bay Co. estab. 1692.	Mars conj. sun.	1 27 48	
10	Tuesd.	Clergy Res. Bill p. II. of Com. 1853	Jupiter in Capricorn.	1 27 48	
11	Wed.	Coronation of Wm. & Mary 1689.	Moon near Jupiter.	1 27 48	
12	Thur.	Dr. Young died 1765.	Saturn in Taurus.	1 27 49	
13	Friday	Handel died 1758.	Moon in Perigee.	1 27 49	
14	Satur.	Peace with France 1814.	Moon on equator.	1 27 49	
15	SUND.	<i>Low Sunday.</i>	Venus South, 1.54 eve.	1 27 50	
16	Mond.	Battle of Culloden 1746.	Moon east of Mars.	1 27 50	
17	Tuesd.	Brook's Monument dest. 1840.	Moon at Ascen. node.	1 27 50	
18	Wed.	First newspaper in Amer. 1704.	Venus eclipsed by Moon.	1 27 51	
19	Thur.	Byron died 1824.	(Venus n'r 7 st.) ♃ ♄	1 27 51	
20	Friday	Abernethy died 1831.	sun enters aries.	1 27 51	
21	Satur.	Battle of Landshut 1809.	Moon farthest north.	1 27 51	
22	SUND.	Turkish monarchy founded 550.	Venus south 2.2 eve.	1 27 52	
23	Mond.	<i>St. George.</i>	Jupiter south 7.55 mo.	1 27 52	
24	Tuesd.	Earl of Cathcart Gov. Gen. 1846.	Mars in Aries.	1 27 52	
25	Wed.	Parliament Houses dest. 1849.	Moon in Apogee.	1 27 52	
26	Thur.	(25) Princess Alice born 1843.	♁ North of Aldebaran.	1 27 53	
27	Friday	Battle of York, U. C. 1813.	Jupiter south 7.42 mo.	1 27 53	
28	Satur.	Flight of Mahomet 622.	Moon on equator.	1 27 53	
29	SUND.	War with France 1803.	Venus south 2.10 eve.	1 27 54	
30	Mond.	St'r Ocean Wave dest. by fire 1853	Venus in Taurus.	1 27 54	

Ex. 19.—The base of a triangle is 52, the sum of the other two sides is 104, and the line drawn from the vertex to the middle of the base is $\sqrt{2029}$; required the other two sides.

Ex. 20.—The two sides of a triangle are 75 and 61, and the line falling from the vertex to the middle of the base is $\sqrt{3689}$; required the base.

Ex. 21.—The base of a triangle is 191, the line that bisects the verticle angle is 66, and diameter of the circumscribing circle is 200; required the other two sides.

Ex. 22.—The side of a square inscribed in a right angled triangle is 12, and the radius of its inscribed circle is 7; what are the sides of the triangle?

Ex. 23.—Required the radii of three equal circles tangent within a circle of 12 radius.

Second S

Moon's P

- Full Moon
- Last Quarter
- New Moon
- First Quarter
- Perigee
- Apogee

Day	Mo.	Vent. South	Even.
1	...	1	4
7	...	1	4
13	...	1	5
19	...	1	5
25	...	2	2
28	...	2	1

Day of Month	Day of Week.	Day of Year
--------------	--------------	-------------

1	Sund.	9
2	Mond.	9
3	Tuesd.	9
4	Wed.	9
5	Thur.	9
6	Friday	9
7	Satur.	9
8	Sund.	9
9	Mond.	10
10	Tuesd.	10
11	Wed.	10
12	Thur.	10
13	Friday	10
14	Satur.	10
15	Sund.	10
16	Mond.	11
17	Tuesd.	11
18	Wed.	11
19	Thurs.	11
20	Friday	11
21	Satur.	11
22	Sund.	11
23	Mond.	11
24	Tuesd.	11
25	Wed.	11
26	Thurs.	11
27	Friday	11
28	Satur.	11
29	Sund.	11
30	Mond.	11

PROB. 12. height of 12 every fall i just fell. H distance will be consume

Latin name

AIGLE.

Moon's PHASES.	D.	Toronto.		Quebec.		Twilight or Daylight begins and ends at—											
		Toronto.					Halifax.					Montreal.		Frodrick'n.		Quebec.	
☉ Full Moon	2	h m		h m		Days		Beg. End		Beg. End		Beg. End		Beg. End		Beg. End	
		A. M. P. M.		A. M. P. M.		A. M. P. M.		A. M. P. M.		A. M. P. M.		A. M. P. M.		A. M. P. M.		A. M. P. M.	
☉ Full Moon	2	9	12	10	44			h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
☾ Last Quarter ...	9	4	19	ev	4	51	ev	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
☾ New Moon	16	9	48	mo	10	29	mo	1	18	0	3	57	8	9	3	56	8
☾ First Quarter ...	24	0	40	mo	1	12	mo	10	3	42	8	26	3	39	8	23	3
☾ Perigee	13	1	14	mo	1	46	mo	20	3	21	8	36	3	17	8	40	3
☾ Apogee	25	0	44	mo	1	16	mo	30	3	0	8	54	2	55	8	59	2

Ephemeric of the Planets, &c.

Day Mo.	Venus South Even.	Mars South Even.	Jupit'r South Morn.	Saturn South Even.	Sun's Longitude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupit'r Right Ascen.	Saturn Right Ascen.	Venus Decl. North.	Mars Decl. North.	Jupit'r Decl. South.	Saturn Decl. North.
	h m	h m	h m	h m	°	'	h m	h m	h m	h m	°	'	°	'
1 ...	1 42	0 12	9 7	4 1	11 25	0 42	2 21	0 50	21 41	4 40	14 52	4 4	14 21	20 47
7 ...	1 47	morn.	8 48	3 40	17 19	1 4	2 49	1 7	21 49	4 42	16 35	6 30	13 59	20 52
13 ...	1 52	11 58	8 28	3 19	23 12	1 26	3 18	1 24	21 53	4 44	18 52	8 11	13 38	20 58
19 ...	1 58	11 52	8 9	2 58	29 4	1 48	3 48	1 41	21 57	4 47	20 53	9 50	13 18	21 4
25 ...	2 5	11 45	7 40	2 37	34 55	2 10	4 18	1 58	22 1	4 50	22 33	11 38	12 51	21 10
28 ...	2 11	11 31	7 32	2 20	39 46	2 29	4 44	2 12	22 4	4 52	23 40	12 57	12 44	21 14

DEPARTMENT FOR ALL OF UPPER AND LOWER CANADA.														
Day of Week.	Calendar for Upper Canada and Nova Scotia.			Calendar for Lower Canada and New Brunswick.			Pole Star in Meridian Evening.		Shadow at Noon Mark. Evening.		Mri's Age Noon.	Moon South.	Moon's Place at 7 P. M.	Sun's Declination North.
Day of Month.	Sun Rises.	Sun Sets.	Moon Rises.	Sun Rises.	Sun Sets.	Moon Rises.	h m s	h m s	h m s	h m s	days	h m s	°	'
1 Sund.	91 5 41	6 27	5 36	5 44	6 24	5 36	0 27	20 12	4 0	14.5	11 52	♃	5	4 31
2 Mond.	92 5 39	6 28	6 41	5 48	6 25	6 43	0 23	24 12	3 42	15.5	Morn	do.	17	4 54
3 Tuesd.	93 5 37	6 29	7 48	5 42	6 26	7 52	0 19	28 12	3 24	16.5		do.	30	5 17
4 Wed.	94 5 36	6 30	8 58	5 36	6 27	8 4	0 15	32 12	3 6	17.5	1 18	♌	13	5 40
5 Thur.	95 5 34	6 32	10 11	5 38	6 28	10 19	0 11	37 12	2 48	18.5	2 5	do.	26	6 2 58
6 Friday	96 5 32	6 33	11 22	5 35	6 29	11 32	0 7	41 12	2 30	19.5	2 56	♍	9	6 25 40
7 Satur.	97 5 30	6 34	Morn	5 33	6 31	Morn	0 3	45 12	2 13	20.5	3 51	do.	23	6 48 16
8 Sund.	98 5 28	6 36		5 32	6 32	46	Morning	12 1	56	21.5	4 50	♎	7	7 10 46
9 Mond.	99 5 26	6 37	1 37	5 30	6 34	1 49	11 55	53 12	1 39	22.5	5 51	do.	21	7 33 8
10 Tuesd.	100 5 24	6 38	2 31	5 28	6 35	2 41	11 51	58 12	1 22	23.5	6 52	♏	5	7 55 22
11 Wed.	101 5 23	6 39	3 14	5 26	6 36	3 29	11 48	2 12	1 6	24.5	7 51	do.	19	8 17 29
12 Thur.	102 5 21	6 40	3 48	5 25	6 37	3 54	11 44	6 12	0 50	25.5	8 47	♐	4	8 39 28
13 Friday	103 5 19	6 42	4 15	5 23	6 38	4 19	11 40	10 12	0 34	26.5	9 39	do.	18	9 1 18
14 Satur.	104 5 18	6 43	4 39	5 21	6 39	4 41	11 36	14 12	0 19	27.5	10 29	♑	3	9 22 59
15 Sund.	105 5 16	6 44	Sets	5 19	6 41	Sets	11 32	18 12	0 4	28.5	11 18	do.	17	9 44 31
16 Mond.	106 5 14	6 45	7 25	5 18	6 42	7 5	11 28	23 Morning	29.5	Ev. 6		♒	1	10 5 54
17 Tuesd.	107 5 12	6 47	8 16	5 15	6 44	8 21	11 24	27 11	59 34	1.1	56	do.	15	10 27 6
18 Wed.	108 5 11	6 48	9 29	5 13	6 45	9 37	11 20	31 11	59 20	2.1	1 46	do.	28	10 48 8
19 Thurs.	109 5 9	6 49	10 39	5 11	6 47	10 49	11 16	36 11	59 7	3.1	2 38	♓	11	11 9 0
20 Friday	110 5 7	6 50	11 43	5 10	6 48	11 55	11 12	39 11	58 54	4.1	3 32	do.	24	11 29 40
21 Satur.	111 5 6	6 51	Morn	5 8	6 50	Morn	11 8	44 11	58 41	5.1	4 26	♈	6	11 50 9
22 Sund.	112 5 4	6 53	40	5 4	6 51	52	11 4 49	11	58 29	6.1	5 18	do.	19	12 10 26
23 Mond.	113 5 3	6 54	1 27	5 4	6 52	1 37	11 0	53 11	58 17	7.1	6 9	♉	1	12 30 31
24 Tuesd.	114 5 1	6 55	2 6	5 3	6 53	2 15	10 56	58 11	58 6	8.1	6 50	do.	12	12 50 24
25 Wed.	115 4 59	6 56	2 36	5 2	6 54	2 44	10 53	2 11	57 55	9.1	7 42	do.	24	13 10 4
26 Thurs.	116 4 58	6 57	3 25	0 6	6 56	3 8	10 49	6 11	57 44	10.1	8 25	♊	6	13 29 31
27 Friday	117 4 56	6 59	3 23	4 58	6 58	3 27	10 45	11 11	57 34	11.1	9 6	do.	18	13 48 44
28 Satur.	118 4 55	7 0	3 49	4 56	6 58	3 51	10 41	15 11	57 24	12.1	9 47	♋	1	13 7 44
29 Sund.	119 4 53	7 1	4 14	4 55	6 59	4 1	10 37	19 11	57 15	13.1	10 29	do.	13	14 26 30
30 Mond.	120 4 52	7 2	4 19	4 54	7 0	4 17	10 33	24 11	57 7	14.1	11 13	do.	26	14 45 2

Jupiter's Satellites

The base of a triangle ... the line drawn from the middle of the ... required the ...

The two sides of a ... 75 and 61, and the ... from the vertex to ... of the base is sqrt(3859); base.

The base of a tri ... the line that ... the angle is 66, ... the circum ... the radius of ... is 200; required ... sides."

The side of a square ... a right angled tri ... and the radius of ... circle is 7; what ... of the triangle?

Required the radii ... circles tangen ... cle of 12 radius.

Prob. 12.—An India-rubber ball falls from a height of 12 feet, and bounds back 6 feet. At every fall it bounds back half the distance it just fell. How many bounds will it make, what distance will it have moved, and what time will be consumed, when it comes to a state of rest?

Prob. 13.—If 4 men saw 15 cords of oak in the same time 5 men saw 14 cords of hickory, and if 3 men saw 18 cords of hickory in 3 days, at 12 hours a day, how many hours a day must 7 men work to saw 90 cords of oak in 6 days?

8 May, the Fifth Month of our year, was the second in the old Alban Calendar; our Saxon ancestors, after the Romans called it *Maius* Month. Zolical sign—TAURUS, the Bull.

Mean Results of Meteorological Observations at Hamilton, by Dr. CRAIGIE. 1850.

MONTH.	THERMOMETER.			Highest.	Lowest.	BAROMETER.			Rainy days.	Slight Showers.	Dry Days.
	Mean at Nine, A. M.	Mean at Nine, P. M.	Mean of both.			Mean.	Highest.	Lowest.			
January.....	30.61	31.35	30.98	50	15	29.71	30.18	28.96	6	3	22
February ...	29.428	31.50	30.464	59	8	29.593	30.26	28.78	5	5	18
March	33.00	33.74	33.37	60	14	29.626	30.22	28.70	2	6	24
April	41.46	40.9	41.19	80	21	29.614	30.05	28.95	5	6	19
May	53.60	51.4	52.50	90	36	29.619	30.00	29.00	1	5	25
June	70.56	68.1	69.33	95	46	29.738	30.00	29.50	0	8	22
July	74.29	73.39	73.84	101	56	29.691	29.88	29.48	5	5	21
August	71.74	70.97	71.355	100	52	29.691	29.95	29.40	5	7	19
September...	61.76	60.43	61.1	86	37	29.715	30.02	29.44	3	5	22
October	49.30	49.7	49.5	78	31	29.657	30.00	29.30	3	8	20
November ...	42.00	43.73	42.866	74	22	29.717	30.10	29.30	4	5	21
December ...	28.355	28.225	28.29	52	0	29.70	30.22	29.10	7	8	16
Mean.....	48.782			Mean heat 29.673			46			71	249

Day of Month	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites
1	Tuesd.	Prince Arthur born 1850.	<i>Moon eclipsed, visible.</i>	1 27 54	sat. Toronto. d. h. m.
2	Wed.	(1) Wellington born 1769.	Saturn near Venus.	1 27 54	I. Disapp. 2 3 16 Mo.
3	Thur.	Jamaica discovered 1494.	Jupiter enters Aquarius	1 27 55	II. Reapp. 14 3 52 Mo.
4	Friday	Siege of Quebec raised 1776.	Venus in perihelion.	1 27 55	IV. Reapp. 15 3 40 Mo.
5	Satur.	Napoleon died, 1821.	Moon farthest South.	1 27 55	II. Disapp. 22 1 33 Mo.
6	SUND.	Iswego taken, 1814.	Venus in 8 horns.	1 27 55	I. Disapp. 25 3 25 Mo.
7	Mond.	Socrates died 383 B. C.	Uranus 8 Sun. ♄ ♂ ♃	1 27 55	
8	Tuesd.	Schiller died, 1805.	Moon in perigee.	1 27 56	
9	Wed.	Col. Steam Nav. Co. incorp.	Saturn in Taurus.	1 27 56	
10	Thur.	Battle of Lodi 1796.	Uranus near Mercury.	1 27 56	Er. 24.—Given the base, 16,
11	Friday	Lord Chatham died, 1773.	Moon on equator.	1 27 56	and the difference of the other
12	Satur.	Strafford behanged, 1641.	Mercury Ascen. node.	1 27 57	two sides, 4, of a triangle, to find
13	SUND.	<i>Regation Sunday.</i>	Mercury Sup. 8 Sun.	1 27 57	the two sides, the product of said
14	Mond.	Fahrenheit born 1686.	Moon at Ascen. node.	1 27 57	difference and the longest side
15	Tuesd.	O'Connell died 1847.	Moon near Mars. ☉ ec.	1 27 57	being equal to the square of the
16	Wed.	Mrs. Hemans died 1835.	Moon near Merc. ♃ ♂ ♄	1 27 58	shortest side.
17	Thur.	<i>Ascension Day.</i>	Venus farthest north.	1 27 58	Er. 25.—Given the base, 30,
18	Friday	Napoleon Emperor 1804.	Moon farthest n. ♃ ♂ ♀	1 27 58	and altitude 24, and the ratio of
19	Satur.	Sir C. Bagot died, 1843.	Venus in Gemini.	1 27 58	the other two sides, as 8 to 5 of
20	SUND.	Columbus died 1506.	♃ in Aquarius.	1 27 58	a triangle, to find the sides.
21	Mond.	Riots at Montreal 1832.	Sun enters Taurus.	1 27 58	Er. 26.—Required the area of
22	Tuesd.	20 Russian Mon. founded 850.	Jupiter 90° West of Sun	1 27 59	triangle, two of whose sides
23	Wed.	Battle of Ramllies 1706.	Venus south 2.39 eve.	1 27 59	are 21, and 30, the included
24	Thur.	Slight Earthq. at Bytown 1853.	Jupiter south, 6.9 mo.	1 27 59	angle being 80°.
25	Friday	24 Queen Victoria born, 1819.	Saturn near Mercury.	1 27 59	Er. 27.—The legs of a
26	Satur.	(25) Princess Helena born	Moon on equator.	1 27 59	right-angled triangle are
27	SUND.	<i>Pentecost.</i>	(29th, Mars at ♄)	1 28 0	3x and x ² , and the line
28	Mond.	27 Fort George taken 1814.	Venus south 2.45 eve.	1 28 0	that bisects the right-
29	Tuesd.	30) Reubens died 1640.	Moon at Desc. node.	1 28 0	angle is x ³ ; what is the
30	Wed.	Sir P. Meltiland died 1854.	Mars near 7 Stars.	1 28 0	area of the figure ?
31	Thur.	Javazzi arrived in Toronto 1853.	Venus south of Pollux.	1 28 0	

- Full Mo
- Last Qu
- New Mo
- First Qu
- Full Mo
- Apogee

Day Mo.	South	Equator
1	...	2
7	...	2
13	...	2
19	...	2
25	...	2
31	...	2

Day of Week.

Day of Month	Day of Week.
1	Tuesd.
2	Wed.
3	Thur.
4	Friday
5	Satur.
6	Sund.
7	Mond.
8	Tuesd.
9	Wed.
10	Thur.
11	Friday
12	Satur.
13	Sund.
14	Mond.
15	Tuesd.
16	Wed.
17	Thur.
18	Friday
19	Satur.
20	Sund.
21	Mond.
22	Tuesd.
23	Wed.
24	Thur.
25	Friday
26	Satur.
27	Sund.
28	Mond.
29	Tuesd.
30	Wed.
31	Thur.

PROB. 14
of a board
wide, when
line drawn
the line.
PROB. 15

II This is the sixth month of the year, and has for its sign GEMINI, the Twins; the most probable derivation of its name is from *Junio*, in honour of whom a festival was celebrated at the beginning of the month.

Mean Results of Meteorological Observations at Hamilton, by Dr. CRAIGIE. 1851.

MONTH.	THERMOMETER.			Highest.	Lowest.	BAROMETER.			Rainy days.	Slight showers.	Dry days.	
	Mean at Nine A. M.	Mean at Nine P. M.	Mean of Both.			Mean.	Highest.	Lowest.				
January.....	29.61	32.16	30.885	52	-6	29.665	30.42	28.88	5	5	21	
February ...	33.00	33.20	33.100	57	9	29.805	30.36	29.28	5	6	17	
March	37.774	396.774	387.257	75	21	29.693	07	30	2	6	23	
April	44.76	45.7	45.23	77	29	64	30	15	4	6	20	
May	56.45	55.45	55.95	88	31	71	10	24	2	8	21	
June	65.83	64.16	65.00	92	43	65	06	18	3	8	19	
July	69.94	70.00	69.97	97	53	639	29.86	40	4	8	19	
August	68.13	67.77	67.95	91	49	749	30.02	50	4	5	22	
September ..	63.96	63.00	63.03	96	36	838	30.25	25	5	3	22	
October	50.2	50.51	50.35	77	27	6.375	00	28	2	8	21	
November	38.43	38.13	38.28	53	26	652	40	02	4	7	19	
December ...	26.16	26.80	26.48	52	0	68	20	28.90	5	9	17	
Mean.....	48.756			Mean heat 29.6882						45	79	241

Day of Month	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites.
				° / //	
1	Friday	Lord Howe's Victory 1794.	Mercury farthest north.	1 28 0	Sat. Toronto. d. n. m.
2	Satur.	Riots in London 1780.	Moon farthest south.	-1 28 0	I. Disapp. 10 1 41 Mo.
3	SUND.	Trinity Sunday.	Moon in Perigee.	1 28 0	I. Disapp. 17 3 35 Mo.
4	Mond.	Leopold King of Belgians 1831.	Venus south 2.52 eve.	1 28 0	III. Eclapp. 18 11 52 Ev.
5	Tuesd.	Printers' Strike in Toronto 1854.	Moon near Jupiter.	1 28 1	I. Disapp. 23 1 11 Mo.
6	Wed.	Gavazzi's riots in Quebec 1853.	Jupiter South 5.21 mo.	1 28 1	I. Disapp. 25 11 58 Ev.
7	Thur.	Corpus Christi.	Saturn in Taurus.	1 28 1	III. Disapp. 26 0 18 Mo.
8	Friday	(7) Parkes' Steam Boiler expl. '54	Moon on equator.	1 28 1	
9	Satur.	St. John's N. F. burnt, 1846.	Mars N. of Aldebaran.	1 28 1	
10	SUND.	(9) Gavazzi Riots Montreal, 1853.	Saturn ☽ Sun.	1 28 1	
11	Mond.	Hon. S. Smith Admin. 1817.	Moon at Ascen. node.	1 28 1	Ex. 28.—The area of a right-angled triangle is 108: what are the sides, they being in arithmetical progression?
12	Tuesd.	(10) Steamer Admiral burnt 1853.	Venus in ♄ nebula.	1 28 1	
13	Wed.	Corsica taken by France, 1769.	Mercury in Gemini.	1 28 1	
14	Thur.	Battle of Marengo 1800.	Mercury gr. elong. E.	1 28 1	
15	Friday	Magna Charta signed 1215.	Moon farthest north.	1 28 1	Ex. 29.—Required the side of a figure of 12 equal sides, inscribed in a circle whose radius is 10.
16	Satur.	Marlborough died, 1722.	Moon east of Mercury.	1 28 1	
17	SUND.	John Wesley born 1703.	Moon near Venus.	1 28 1	
18	Mond.	Montr. & Portland R. R. op. 1853.	Jupiter in Aquarius.	1 28 1	Ex. 30.—The area of a triangle is 4140, and two of the sides are 202 and 41: required the third side.
19	Tuesd.	(18) Battle of Waterloo 1815.	Moon in Apogee.	1 28 2	
20	Wed.	Scriptures Prohibited 1230.	Jupiter South 4.28 mo.	1 28 2	
21	Thur.	Queen Victoria's acces. 1837.	Sun enters Gemini.	1 28 2	
22	Friday	Machiavel died 1527.	Jupiter Stationary.	1 28 2	
23	Satur.	M. Aikenside died 1770.	Jupiter South 4.16 mo.	1 28 2	Ex. 31.—The sides of a field are 25, 35, 31, and 19 rods, the diagonals being equal, what is its area?
24	SUND.	French Revolution 1848.	Venus south 3.6 ev.	1 28 2	
25	Mond.	Battle of Bannockburn, 1314.	Moon at Desc. node.	1 28 2	
26	Tuesd.	(27) Loehokke died 1848.	Mars in Taurus.	1 28 2	
27	Wed.	Steamer St. Joseph burnt 1853.	Jupiter south 4.0 mo.	1 28 2	Ex. 32.—The legs of a right-angled triangle are 3 to 4, and difference of inscribed circle and square = 20.2825: required the legs.
28	Thur.	Great Fire at Quebec, 1843.	Mercury stationary.	1 28 2	
29	Friday	(28) Coronation of the Q'n 1839.	Moon farthest south.	1 28 2	
30	Satur.	Sir P. Maitland Lt.-Gov. 1820.	Venus in the Sic. of Leo.	1 28 2	

First ...
 Moo ...
 PHAS ...
 ● Last ...
 ● New ...
 ● First ...
 ○ Full ...
 ○ Eri ...
 ○ Apug ...
 Day Mo. ...
 Day of Week ...
 Day of Month ...
 1 Frid ...
 2 Satu ...
 3 Sun ...
 4 Mon ...
 5 Tues ...
 6 Wed ...
 7 Thur ...
 8 Frid ...
 9 Satu ...
 10 Sun ...
 11 Mon ...
 12 Tues ...
 13 Wed ...
 14 Thu ...
 15 Frid ...
 16 Satu ...
 17 Sun ...
 18 Mon ...
 19 Tues ...
 20 Wed ...
 21 Thu ...
 22 Frid ...
 23 Satu ...
 24 Sun ...
 25 Mon ...
 26 Tues ...
 27 Wed ...
 28 Thu ...
 29 Frid ...
 30 Satu ...
 Pro ...
 40, 43 ...
 tied to ...
 corner ...
 side. ...
 Pro ...

... the most ... at the

GALE.

Table with columns: Rainy days, Slight showers, Dry days. Rows 1-30.

MOON'S PHASES. D. Toronto. Quebec. Twilight or Daylight begins and ends at— Toronto, Halifax, Montreal, Fredricton, Quebec.

Ephemerals of the Planets, &c.

Table with columns: Day Mo., Venus South, Mars South, Jupiter's South, Saturn South, Sun's Long., Sun's Right, Venus Right, Mars Right, Jupiter's Right, Saturn Right, Venus Decl., Mars Decl., Jupiter Decl., Saturn Right.

... the satellites

Table with columns: D. H. M., 10 1 41 Mo., 17 3 35 Mo., 18 11 52 Ev., 23 1 11 Mo., 25 11 58 Ev., 26 0 18 Mo.

... area of a right-angled triangle ... being in arith-

... required the side of equal sides, triangle whose radius

... area of a triangle and two of the sides and 41: required

... sides of a field and 19 rods, the equal, what is

... legs of a right-angled triangle are 3 to 4, and circumscribed circle and 25: required the

DEPARTMENT FOR ALL OF UPPER AND LOWER CANADA.

Table with columns: Day of Month, Day of Week, Day of Year, Calendar for Upper Canada and Nova Scotia, Calendar for Lower Canada and New Brunswick, Pole Star in Meridian Morning, Shadow at Noon Mark Evening, M's Age Noon, Moon South Morn., Moon's Place at 7 P. M., Sun's Declination North.

Prob. 17.—The lengths of three poles are 40, 43, and 45 feet. Their tops are raised and tied together, and their bottoms stand on the corners of an equilateral triangle, 32 feet on a side. What will be the height of their tops?

Prob. 18.—The height of three towers are

28, 30, and 34 feet, which are placed at the corners of a garden, in the form of an equilateral triangle, 50 feet on a side. Where in the garden must a pole be placed, and how long will it be, that it may just reach the top of each tower?

☽ July is the seventh month of the year—according to ancient reckoning it was the fifth; Mark Anthony denominated it July, in compliment to Julius Cæsar, who was born in it. CANCER, the Crab, is its Zodiacal sign.

Mean Results of Meteorological Observations at Hamilton by Dr. CRAIGIE. 1852.

MONTH.	THERMOMETER.			Highest.	Lowest.	BAROMETER.			Rainy days.	Slight showers.	Dry days.	
	Mean at Nine A. M.	Mean at Nine P. M.	Mean of both.			Mean.	Highest.	Lowest.				
January.....	22.87	24.645	23.76	45	-6	29.59	30.00	29.05	7	9	15	
February ...	28.00	29.20	28.60	54	-2	579	32	28.72	2	9	18	
March	32.90	33.10	33.00	58	5	534	32	72	6	5	20	
April	41.80	41.73	41.77	69	26	475	29.85	95	6	8	16	
May	57.61	56.00	56.805	88	35	71	30.15	29.20	2	5	24	
June	65.66	65.26	65.96	98	44	633	00	15	3	8	19	
July	71.61	70.55	71.08	101	52	721	29.95	30	2	4	25	
August	69.80	69.00	69.40	97	52	768	30.00	46	2	9	20	
September...	60.70	60.30	60.50	95	38	764	02	05	5	5	20	
October	52.58	52.32	52.45	76	34	72	10	30	5	4	22	
November ...	39.16	39.73	39.45	57	27	645	17	07	3	6	21	
December ...	35.709	36.645	6.177	59	18	641	20	10	8	6	17	
Mean temperature of year	48.248			Mean heat 29.657						52	78	237

Day of Month	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites.
1	SUND.	Sir E. P. Robinson Lt.-Gov. 1815.	Moon in Perigee.	0 / //	Sat. Toronto. D. H. M.
2	Mond.	Sir R. Peel died 1850.	Moon near Jupiter.	1 28 1	I. Disapp. 3 1 52 Mo.
3	Tuesd.	Quebec founded 1608.	Earth farthest from Sun	1 28 1	I. Disapp. 11 10 15 Eve.
4	Wed.	Great Fire in Brockville 1853.	(5th Venus n'r Regulus)	1 28 1	II. Disapp. 17 10 12 Eve.
5	Thur.	French take Algiers 1830.	Moon on equator.	1 28 1	I. Disapp. 19 0 9 Mo.
6	Friday	Battle of Maida 1806.	Saturn near Mars.	1 28 1	IV. Disapp. 20 11 32 Eve.
7	Satur.	Col. Simcoe Lt.-Gov. 1792.	Saturn in Taurus.	1 28 1	II. Disapp. 25 0 47 Mo.
8	SUND.	E. Burke died 1797.	Moon at Ascen. node.	1 28 1	
9	Mond.	S'r Queen of the West burnt 1853	Moon near Uranus.	1 28 1	Ex. 33.—The radii of two circles are 40 and 50; required the area they enclose, the distance between the centres being 70.
10	Tuesd.	Columbus born 1447.	Jupiter south 3.7 Mo.	1 28 1	
11	Wed.	Lalande born 1732.	Moon east of ♃ and ♄.	1 28 1	
12	Thur.	Erasmus died 1536.	Moon high. ♃ Inf. ♄ ☉	1 28 1	Ex. 34.—The sides of a triangle are 65, 55, and 100 Required the distance of a point within, from the corners, so which if lines be drawn, will divide the triangle into three equal parts.
13	Friday	Napoleon surrendered 1815.	Moon near Mercury.	1 28 1	
14	Satur.	Sir James Stuart died 1833.	Venus in Leo.	1 28 1	Ex. 35.—The area of a right-angled triangle is 15.60, and the difference between the hypothenuse and one leg is 50: what are the sides?
15	SUND.	Detroit taken, 1812.	Jupiter in Aquarius.	1 28 1	
16	Mond.	Sir Joshua Reynolds born 1723.	Mars at the Solstice.	1 28 1	
17	Tuesd.	Michilimackinac taken 1842.	Moon near Venus.	1 28 1	Ex. 36.—The two sides of a triangle adjacent to the base are 100 and 109; the distance from their angle to the centre of the circle inscribed in the triangle is 50. Required the base.
18	Wed.	Three men lost at N. Falls, 1853.	Venus south 3.6 ev.	1 28 1	
19	Thur.	Princess Augusta born 1822.	Mars farthest north.	1 28 1	
20	Friday	Playfair died 1819.	Jupiter south 2 25 mo.	1 28 0	
21	Satur.	Hon. P. Russell Presid. 1796.	Venus at Desc. node.	1 28 0	
22	SUND.	Battle of Salamanca 1812.	Mercury stationary.	1 28 0	
23	Mond.	Canadas United 1840.	Sun cent. ☽. ♀ gr. el. E.	1 28 0	
24	Tuesd.	Gibraltar taken by Britain 1704.	♀ south 3.3 eve.	1 28 0	
25	Wed.	Battle of Lundy's Lane, 1813.	Mars in Gemini.	1 27 9	
26	Thur.	Battle of Aboukir 1799.	Moon lowest.	1 27 59	
27	Friday	French Revolution, 1830.	Venus south 3.1 eve.	1 27 59	
28	Satur.	Lord Durham died, 1840.	Jupiter south 1 51 Mo.	1 27 59	
29	SUND.	Rohespierre guillotined.	Moon in Perigee.	1 27 58	
30	Mond.	William Penn died 1718.	Moon near Jupiter.	1 27 58	Ex. 37.—How much of the earth's surface can a man see if he be 100 miles above the earth, radius being 7912 miles?
31	Tuesd.	Ignatius Loyola died 1556.	Venus in Leo's foot.	1 27 58	

MOON'S PHASE

- ☉ Last Q.
- ☾ New M.
- ☽ First Q.
- ☀ Full M.
- ♊ Apogee
- ♋ Perigee

Day	Mo.	V. S. E.
1	...	3
7	...	3
13	...	3
19	...	3
25	...	3
31	...	2

Day of Month	Day of Week.
1	Sund.
2	Mond.
3	Tuesd.
4	Wed.
5	Thur.
6	Friday
7	Satur.
8	Sund.
9	Mond.
10	Tuesd.
11	Wed.
12	Thur.
13	Friday
14	Satur.
15	Sund.
16	Mond.
17	Tuesd.
18	Wed.
19	Thur.
20	Friday
21	Satur.
22	Sund.
23	Mond.
24	Tuesd.
25	Wed.
26	Thur.
27	Friday
28	Satur.
29	Sund.
30	Mond.
31	Tuesd.

PROB. 1 is 30 lbs. which are PROB. 2 triangles,

the fifth; or in it.

IE.

MOON'S PHASES.	D. Toronto.		Quebec.		Twilight or Daylight begins and ends at—										
					Toronto.		Halifax.		Montreal.		Fredricton.		Quebec.		
	Day.	h m	h m	h m	Beg. A. M.	End P. M.	Beg. A. M.	End P. M.	Beg. A. M.	End P. M.	Beg. A. M.	End P. M.	Beg. A. M.	End P. M.	
☉ Last Quar.	6	8 11 mo	8	43 mo											
☽ New Moon.	13	7 44 ev	8	16 ev	12	10	6	10	17	1	39	10	26	1 32	10 35
☽ First Quar.	22	2 34 mo	3	6 mo	1	2	14	9	56	2	10	8	1	52	10 18
☽ Full Moon.	29	1 5 mo	1	37 mo	10	2	14	9	56	2	10	8	1	52	10 18
☾ Apogee ...	17	2 50 mo	3	22 mo	20	2	28	9	44	2	20	9	54	2	12
☾ Perigee ...	29	7 44 ev	8	16 ev	30	2	46	9	26	2	41	9	31	2	33

Slight showers. Dry days.

9 15
9 18
5 20
8 16
5 24
7 ...
8 19
13 ...
19 ...
9 25
25 ...
5 20
4 22
6 21
6 17

Ephemeris of the Planets, &c.

Day Mo.	Venus South Eren.	Mars South Morn.	Jupiter South Morn.	Saturn South Morn.	Sun's Longi-tude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupiter Right Ascen.	Saturn Right Ascen.	Venus Decl. North.	Mars Decl. North.	Jupiter Decl. South.	Saturn Decl. North.
	h m	h m	h m	h m	° /	h m	h m	h m	h m	h m	° /	° /	° /	° /
1 ...	3 8	10 37	3 44	10 49	99 14	6 40	9 46	5 14	22 19	5 26	15 7	23 23	11 35	22 1
7 ...	3 8	10 31	3 19	10 29	104 57	7 5	10 10	5 31	22 18	5 29	12 37	23 43	11 42	22 4
13 ...	3 8	10 27	2 55	10 8	110 41	7 29	10 33	5 49	22 17	5 32	9 59	23 55	11 51	22 6
19 ...	3 6	10 14	2 29	9 48	116 24	7 54	10 54	6 7	22 15	5 35	7 15	23 59	12 2	22 9
25 ...	3 3	10 1	2 4	9 27	122 8	8 18	11 15	6 25	22 13	5 38	4 36	23 57	12 15	22 10
31 ...	2 58	10 7	1 38	9 6	127 52	8 41	11 34	6 42	22 11	5 41	1 44	23 47	12 30	22 12

Day of Month.	Day of Week.	Day of Year.	Calendar for Upper Canada and Nova Scotia.						Calendar for Lower Canada and New Brunswick.						DEPARTMENT FOR ALL OF UPPER AND LOWER CANADA.									
			Sun Rises.		Sun Sets.		Moon Rises.		Sun Rises.		Sun Sets.		Moon Rises.		Pole Star in Meridian Morning.	Shadow at Noon Mark. Evening.	Mic's Age Noon.	Moon South. Morn.	Moon's Place. 7 P. M.	Sun's Declination North.				
			h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	s	h m s	days	h m	°	° /				
1	Sund.	182	4 19	7 48	9 50	1 19	7 47	9 58	6 30	20 12	3 26	17.1	1 25	♃	8	23	8	15						
2	Mon.	183	4 20	7 48	10 24	1 20	7 47	10 31	6 26	25 12	3 37	18.1	2 27	♄	23	23	4	5						
3	Tues.	184	4 20	7 47	10 53	1 21	7 47	10 57	6 22	30 12	3 48	19.1	3 25	♅	7	22	59	30						
4	Wed.	185	4 21	7 47	11 15	1 21	7 47	11 17	6 18	35 12	3 59	20.1	4 18	♆	22	22	54	32						
5	Thur.	186	4 22	7 47	11 37	1 22	7 46	11 37	6 14	40 12	4 10	21.1	5 7	♇	6	22	49	9						
6	Friday	187	4 22	7 46	11 59	1 23	7 46	11 57	6 10	45 12	4 20	22.1	6 54	♈	20	22	43	23						
7	Satur.	188	4 23	7 46	Morn.	1 24	7 46	Morn.	6 6	50 12	4 30	23.1	8 41	♉	3	22	37	13						
8	Sund.	189	4 24	7 46	21	1 25	7 46	17	6 2 55	12	4 40	24.1	7 28	♊	16	22	30	40						
9	Mon.	190	4 25	7 45	46	1 25	7 45	39	5 59	0 12	4 49	25.1	8 16	♋	29	22	23	43						
10	Tues.	191	4 25	7 45	1 18	1 25	7 45	1 9	5 55	5 12	4 58	26.1	9 7	♌	12	22	16	23						
11	Wed.	192	4 26	7 44	1 53	1 26	7 44	1 43	5 51	10 12	5 7	27.1	9 59	♍	25	22	8	39						
12	Thur.	193	4 27	7 44	2 40	1 26	7 44	2 29	5 47	15 12	5 15	28.1	10 52	♎	7	22	0	33						
13	Friday	194	4 28	7 43	Sets	1 27	7 43	Sets	5 43	20 12	5 22	29.1	11 45	♏	19	21	52	4						
14	Satur.	195	4 29	7 42	8 34	1 28	7 42	8 44	5 39	25 12	5 29	30.1	12 37	♐	1	21	43	13						
15	Sund.	196	4 30	7 41	9 7	1 29	7 42	9 15	5 35	30 12	5 36	1.5	1 25	♑	13	21	33	59						
16	Mon.	197	4 30	7 41	9 32	1 30	7 42	9 38	5 31	34 12	5 42	2.5	2 11	♒	25	21	24	23						
17	Tues.	198	4 31	7 40	9 55	1 31	7 41	9 59	5 27	39 12	5 48	3.5	2 54	♓	7	21	14	26						
18	Wed.	199	4 32	7 39	10 13	1 32	7 40	10 15	5 23	44 12	5 53	4.5	3 34	♈	19	21	4	6						
19	Thur.	200	4 33	7 39	10 31	1 33	7 39	10 32	5 19	49 12	5 57	5.5	4 14	♉	1	20	53	25						
20	Friday	201	4 34	7 38	10 50	1 34	7 38	10 48	5 15	54 12	6 1	6.5	4 54	♊	13	20	42	24						
21	Satur.	202	4 35	7 37	11 8	1 35	7 37	11 5	5 11	59 12	6 5	7.5	5 35	♋	25	20	31	1						
22	Sund.	203	4 36	7 36	11 29	1 36	7 36	11 24	5 8	4 12	6 8	8.5	6 18	♌	7	20	19	13						
23	Mon.	204	4 37	7 35	11 55	1 37	7 35	11 48	5 4	9 12	6 10	9.5	7 6	♍	20	20	7	14						
24	Tues.	205	4 38	7 34	Morn	1 38	7 32	Morn	5 0	14 12	6 11	10.5	7 58	♎	4	19	54	50						
25	Wed.	206	4 39	7 33	29	1 39	7 32	20	4 56	19 12	6 12	11.5	8 56	♏	17	19	42	6						
26	Thur.	207	4 40	7 32	1 14	1 40	7 32	1 4	4 52	23 12	6 13	12.5	9 59	♐	2	19	29	3						
27	Friday	208	4 41	7 31	2 13	1 41	7 31	2 2	4 48	28 12	6 13	13.5	11 4	♑	16	19	15	41						
28	Satur.	209	4 43	7 30	Rises	1 42	7 30	Rises	4 44	33 12	6 12	14.5	Morn	♒	2	19	1	59						
29	Sund.	210	4 44	7 28	8 20	1 43	7 29	8 28	4 40	38 12	6 10	15.5	0 9	♓	17	18	47	58						
30	Mon.	211	4 45	7 27	8 51	1 44	7 28	8 58	4 36	43 12	6 8	16.5	1 10	♈	2	18	33	39						
31	Tues.	212	4 46	7 26	9 18	1 46	7 26	9 20	4 32	48 12	6 6	17.5	2 7	♉	17	18	19	2						

PROB. 19.—The weight of a door 4 feet wide is 30 lbs. Required the pressure on its hinges, which are 6 feet apart.
 PROB. 20.—Required two different isosceles triangles, whose areas and perimeters are equal.

PROB. 21.—Required to find three numbers the sum of whose 4th powers is a square.
 PROB. 22.—A cannon ball weighs 6 lbs, in one scale of a false balance, and in the other 24 lbs. Required its true weight.

r's Satellites.

H. M.
 1 52 Mo.
 10 15 Eve.
 10 12 Eve.
 0 9 Mo.
 11 22 Eve.
 0 47 Mo.
 2 4 Mo.

di of two elr-
 required the
 the distance
 es being 70.

des of a tri-
 and 100
 Re-
 ce of a point
 e corners, to
 e drawn, will
 lo into three

es of a right-
 15.60, and the
 n the hypothe-
 is 50: what are

wo sides of a
 to the base are
 distance from
 centre of the
 the triangle is
 a base.

much of the
 n a man see if
 ove the earth,
 miles?

☉ This month was named by the Romans August, in compliment to the Emperor Augustus. It is the eighth month in the year. Its Zodiacal sign is LEO, the Lion.

Mean Results of Meteorological Observations at Hamilton, by Dr. CRAIGIE. 1853.

MONTH.	THERMOMETER.			Highest.	Lowest.	BAROMETER.			Rainy days.	Slight Showers.	Dry Days.
	Mean at Nine A. M.	Mean at Nine P. M.	Mean of both.			Mean.	Highest.	Lowest.			
January.....	28.46	29.22	28.84	50	3	29.7525	30.28	28.97	1	5	52
February ...	28.14	28.82	28.48	50	10	686	00	29.15	5	5	18
March	35.355	36.71	36.03	66	7	615	18	28.95	4	7	20
April	45.9	45.9	45.9	83	29	6725	00	29.07	4	5	21
May	56.5	54.9	55.7	82	33	6775	15	32	4	10	17
June	70.06	68.66	69.36	98	50	737.	05	50	2	5	23
July	71.322	79.968	71.145	97	52	749	29.95	50	1	4	26
August	72.8	72.9	72.85	101	51	679	90	40	2	6	23
September..	63.9	63.96	63.93	96	37	723	30.00	20	3	5	22
October	47.26	48.26	47.76	75	30	718	08	10	0	6	25
November ...	42.9	44.22	43.56	65	20	834	25	30	4	4	22
December ...	30.355	29.903	30.129	53	2	637	04	00	4	8	19
Mean	49.413	49.535	49.474			29.7025			34	70	261

Day of Month.	Day of Week.	Remarkable Days.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites.
1	Wed.	Lammas.	Mercury gr. elong. W.	1 27 58	II. Disapp. 1 3 21 Mo.
2	Thur.	Battle of the Nile 1798.	Jupiter south 1.29 Mo.	1 27 58	I. Disapp. 2 3 58 Mo.
3	Friday	Columbus' first voyage 1490.	Venus south 2.55 Eve.	1 27 57	I. Disapp. 3 10 27 Eve.
4	Satur.	Shelly born 1762.	Venus on equator.	1 27 57	III. Disapp. 8 0 21 M.
5	SUND.	Battle of Brownston, 1812.	Moon near Uranus.	1 27 57	I. Disapp. 11 0 22 M.
6	Mond.	Pr. Alfred Ernest Albert b. 1844.	Jupiter South 1 11 Mo.	1 27 57	II. Disapp. 18 9 48 Eve.
7	Tuesd.	Berzelius died 1848.	Moon near Saturn.	1 27 57	I. Disapp. 19 8 45 Eve.
8	Wed.	George Canuing died 1827.	Moon farthest north.	1 27 56	II. Reapp. 26 3 13 Mo.
9	Thur.	Captain Marryatt died 1848.	Moon east of Mars.	1 27 56	I. Reapp. 27 0 56 Mo.
10	Friday	Battle of Montmorency 1759.	(9th, ♀ at equinox.)	1 27 56	I. Reapp. 28 7 25 Eve.
11	Satur.	Battle of Lake Champlain 1814.	Saturn in Taurus.	1 27 55	
12	SUND.	George IV. born 1762.	Mercury in perihelion.	1 27 55	
13	Mond.	Sir P. Maitland Lt.-Gov. 1813.	Uranus 90° W. of Sun.	1 27 55	Ex. 38.—The perpendicular
14	Tuesd.	The Argus captured 1814.	Mars in Gemini.	1 27 55	let fall from the corners of a
15	Wed.	Napoleon born 1769.	Jupiter in Aquarius.	1 27 55	triangle to the opposite side are
16	Thur.	(15) Sir Walter Scott born 1771.	Moon on equator.	1 27 54	95, 98, and 100; what are the
17	Friday	Gen. Hunter Lt.-Gov. 1799.	Jupiter south 0.23 Mo.	1 27 54	sides and area?
18	Satur.	Duchess of Kent born 1786.	Moon at Desc. node.	1 27 54	Ex. 39.—The area of a right-
19	SUND.	Count Rumford died 1814.	Venus in Vergo.	1 27 54	angled triangle, whose sides are
20	Mond.	Treaty of Washington 1842.	Jupiter in Capricorn.	1 27 53	in geometrical progression, is
21	Tuesd.	Adam Clarke died 1832.	Jupiter 180° E. from ☉	1 27 53	100; what are the lengths of
22	Wed.	Whiston died 1752.	Jupiter South 11.56 Ev.	1 27 52	the sides?
23	Thur.	New York ceded to Eng. 1667.	Sun enters Leo.	1 27 52	Ex. 40.—The lengths of three
24	Friday	Washington taken 1814.	(25th, Venus brightest.)	1 27 52	perpendiculars, drawn from a
25	Satur.	F. Gore Esq., Lieut.-Gov. 1806.	Venus in Aphelion.	1 27 52	point in a triangle (equilateral)
26	SUND.	Prince Albert born 1819.	♄ Stat. ♀ Sup, ♂ Sun.	1 27 51	to the sides, are 2, 3, and 5;
27	Mond.	Battle of Long Island 1776.	Moon in perigee.	1 27 51	required the sides and area.
28	Tuesd.	Grotius died 1645.	Venus West of Spica.	1 27 51	Ex. 41.—“The lengths of two
29	Wed.	Strike of Toronto Tailors 1853.	Moon on equator.	1 27 50	lines that bisect the acute an-
30	Thur.	Paley born 1743.	Jupiter South 11.21 Ev.	1 27 50	gles of a right-angled triangle
31	Friday	Bunyan died 1688.	Moon at Asc. node.	1 27 50	being 40 and 50 respectively, it

Third
MOON'S
● Last
● New
● First
○ Full
☾ Apog
☽ Perig

Day Mo.	Day of Week.
1 ...	
7 ...	
13 ...	
19 ...	
25 ...	
31 ...	

Day of Month.
Day of Week.
1 Wed.
2 Thur.
3 Friday
4 Satur.
5 SUND.
6 Mond.
7 Tuesd
8 Wed.
9 Thur.
10 Friday
11 Satur.
12 SUND.
13 Mond.
14 Tuesd
15 Wed.
16 Thur.
17 Friday
18 Satur.
19 SUND.
20 Mond.
21 Tuesd
22 Wed.
23 Thur.
24 Friday
25 Satur.
26 SUND.
27 Mond.
28 Tuesd
29 Wed.
30 Thur.
31 Friday
Prob.
shape of
spring.
side of the
30 rods.

Augustus.

MOON'S PHASES.

	MOON'S PHASES.	D. Toronto.		Quebec.	Twilight or Daylight begins and ends at—													
				Days.	Toronto.		Halifax.		Montreal.		Fredrick		Quebec.					
		Beg.	End		Beg.	End	Beg.	End	Beg.	End	Beg.	End						
☾	Last Quarter ...	4	4 5 ov	4 37 ev														
☾	New Moon	12	1 37 ev	2 9 ev	h	m	h	m	h	m	h	m	h	m	h	m	h	m
☾	First Quarter ...	20	3 18 ev	3 50 ev	1	2 49 9 23	2 43 9 29	2 36 9 36	2 32 9 39	2 29 9 43								
☾	Full Moon	27	7 53 mo	8 25 mo	10	3 6 9 4 3	0 9 10	2 55 9 15	2 51 9 18	2 47 9 23								
☾	Apogee	13	11 50 mo	0 22 ev	20	3 22 8 43	3 18 8 48	3 14 8 52	3 11 8 55	3 7 8 59								
☾	Perigee	27	5 2 mo	5 34 mo	30	3 42 8 19	3 38 8 23	3 32 8 29	3 30 8 31	3 26 8 34								

Ephemeris of the Planets, &c.

Day Mo.	Venus South Even.	Mars South Morn.	Jupit'r South Morn.	Saturn South Morn.	Sun's Longi-tude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupit'r Right Ascen.	Saturn Right Ascen.	Venus Decl. North.	Mars Decl. North.	Jupit'r Decl. South.	Saturn Decl. North.
1 ...	2 57	10 6	1 33	9 3	128 49	8 45	11 37	6 45	22 11	5 42	1 16	23 44	12 32	22 12
7 ...	2 51	10 0	1 7	8 42	134 34	9 8	11 54	7 2 22	8 5 44	s1 26	23 26	12 48	22 13	
13 ...	2 43	9 53	0 41	8 21	140 20	9 31	12 10	7 19	22 5	5 47	4 2 23	1 13	5 22	14
19 ...	2 33	9 46	0 14	8 0	146 6	9 53	12 23	7 36	22 2	5 49	6 29	22 30	13 22	22 14
25 ...	2 20	9 39	Even.	7 38	151 53	10 16	12 34	7 52	21 59	5 51	8 42	21 53	13 41	22 15
31 ...	2 4	9 31	11 16	7 17	157 41	10 37	12 42	8 8	21 56	5 53	10 35	21 11	13 57	22 15

Day of Month	Day of Week	Calendar for Upper Canada and Nova Scotia.						Calendar for Lower Canada and New Brunswick.						DEPARTMENT FOR ALL OF UPPER AND LOWER CANADA.																	
		Sun Rises.		Sun Sets.		Moon Rises.		Sun Rises.		Sun Sets.		Moon Rises.		Pole Star in Meridian Morning.			Shadow at Noon Mark. Evening.			Mn's Age, Noon.			Moon South.			Moon's Place, 7 P.M.			Sun's Declination North.		
		h	m	h	m	h	m	h	m	h	m	h	m	h	m	s	h	m	s	days	h	m	s	°	'	''					
1	Wed.	213	4 47	7 25	9 41	4 47	7 25	9 41	4 28	52	12 6	3 18	5	2 59	☾	218	4	7				218	4	7							
2	Thur.	214	4 48	7 24	10 3	4 48	7 24	10 1	4 24	57	12 5	59	19	5	3	49	do.	16	17	48	54										
3	Friday	215	4 49	7 22	10 25	4 50	7 22	10 20	4 21	2	12 5	55	20	5	4	37	do.	30	17	33	23										
4	Satur.	216	4 50	7 21	10 50	4 51	7 21	10 43	4 17	7	12 5	50	21	5	24	☽	13	17	17	36											
5	Sund.	217	4 51	7 20	11 19	4 52	7 20	11 11	4 13	12	12 5	44	22	5	6	13	do.	26	17	1	31										
6	Mond.	218	4 53	7 19	11 54	4 54	7 18	11 45	4 9	17	12 5	38	23	5	7	4	☽	9	16	45	10										
7	Tuesd.	219	4 54	7 17	Morn	4 54	7 16	Morn	4 5	22	12 5	32	24	5	7	56	do.	22	16	28	32										
8	Wed.	220	4 55	7 16	36	4 56	7 14	25	4 1	27	12 5	25	25	5	8	48	☽	6	16	11	39										
9	Thur.	221	4 56	7 14	1 27	4 57	7 13	1 16	3 57	32	12 5	17	26	5	9	41	do.	16	15	54	30										
10	Friday	222	4 57	7 13	2 25	4 57	7 11	2 14	3 53	26	12 5	8	27	5	10	33	do.	28	15	37	5										
11	Satur.	223	4 58	7 12	3 27	5 0	7 10	3 17	3 49	41	12 5	0	28	5	11	22	☽	10	15	19	25										
12	Sund.	224	4 59	7 10	Sets.	5 17	9	Sets.	3 45	46	12 4	50	29	5	Ev.	8	do.	22	15	1	30										
13	Mond.	225	5 17	9 8	0 5	2 7	8 5	8 5	3 41	50	12 4	40	9	5	2	52	☽	4	14	43	21										
14	Tuesd.	226	5 27	7 8	20 5	3 7	5 8	23	3 37	55	12 4	30	1 9	1	33	do.	16	14	24	57											
15	Wed.	227	5 37	5 8	37 5	4 7	4 8	38	3 34	0	12 4	18	2 9	2	13	do.	28	14	6	20											
16	Thur.	228	5 47	4 8	55 5	6 7	2 8	54	3 30	5	12 4	7	3 9	2	53	☽	9	13	47	30											
17	Friday	229	5 57	2 9	13 5	8 7	0 9	11	3 26	9	12 3	54	4 9	3	33	do.	22	13	28	26											
18	Satur.	230	5 66	1 9	32 5	9 6	59	9 28	3 22	14	12 3	42	5 9	4	15	☽	4	13	9	10											
19	Sund.	231	5 86	59	9 55	5 9	57	9 48	3 18	19	12 3	28	6 9	4	59	do.	16	12	49	41											
20	Mond.	232	5 96	57	10 24	5 10	6 56	10 15	3 14	24	12 3	14	7 9	5	48	do.	29	12	30	0											
21	Tuesd.	233	5 106	56	11 3	5 12	6 54	10 53	3 10	29	12 3	0	8 8	6	42	☽	12	12	10	7											
22	Wed.	234	5 116	54	11 54	5 13	6 53	11 43	3 6	33	12 2	45	9 9	7	41	do.	26	11	50	3											
23	Thur.	235	5 126	53	Morn	5 14	6 50	Morn	3 2	38	12 2	30	10 9	8	44	☽	10	11	29	47											
24	Friday	236	5 136	51	59	5 16	6 48	48	2 58	43	12 2	14	11 9	9	48	do.	25	11	9	21											
25	Satur.	237	5 146	49	2 15	5 17	6 47	2 6	2 54	47	12 1	58	12 9	10	51	☽	10	10	48	44											
26	Sund.	238	5 166	48	Rises	5 18	6 46	Rises	2 50	52	12 1	42	13 9	11	49	do.	25	10	27	57											
27	Mond.	239	5 176	46	7 16	5 19	6 43	7 19	2 46	57	12 1	25	14 9	Morn	☽	10	10	7	1												
28	Tuesd.	230	5 186	44	7 41	5 20	6 42	7 42	2 43	1	12 1	7	15 9	44	do.	26	9	45	54												
29	Wed.	241	5 196	42	8 35	5 21	6 41	8 2	2 39	6	12 0	50	16 9	1	37	☽	11	9	24	38											
30	Thur.	242	5 206	40	8 25	5 22	6 28	8 22	2 35	11	12 0	32	17 9	2	27	do.	25	9	2	13											
31	Friday	243	5 216	39	8 51	5 23	6 37	8 45	2 31	15	12 0	14	18 9	3	16	do.	9	8	41	40											

PROB. 23.—There is a certain field in the shape of an equilateral triangle, in which is a spring. The distances from the middle of each side of the field to the spring are 10, 20, and 30 rods. Required the sides and area of the field.

PROB. 24.—If a stone fall from a height of 300 feet, and two seconds afterwards another body is let fall from a height of 200 feet, in what time will the former overtake the latter?

iter's Satellites.

1 3 21 Mo.
2 3 58 Mo.
3 10 27 Eve.
4 0 21 Mo.
5 0 22 Mo.
6 2 17 Mo.
7 9 48 Eve.
8 8 45 Eve.
9 3 13 Mo.
10 0 56 Mo.
11 7 25 Eve.

be perpendicular the corners of a opposite side are 90°: what are the

area of a right- whose sides are progression, is the lengths of

lengths of three drawn from a angle (equilateral) are 2, 3, and 5; sides and area.

the lengths of two ect the acute an- t-angled triangle 10 respectively, it find the three angle."

This is the ninth month of the year, though anciently the seventh: hence its name, *Septem*, and *ember*, from the rainy season usually commencing at this period. Zodiacal sign *Virgo*, the *Virgin*.

General Meteorological Register for 1853.

COMPILED FROM TABLES PUBLISHED BY PROVINCIAL OBSERVATORY, TORONTO, C. W.

MONTH.	THERMOMETER.							
	Mean Temperature.	Difference from Average.	Thermic Anomaly.	Highest Temperature.	Lowest Temperature.	Monthly Range.	Mean Daily Range.	Greatest Daily Range.
January	28.98	-1.99	- 9.8	40.9	- 9.7	50.6	14.16	40.9
February.....	24.06	+0.66	-10.6	43.4	- 1.4	44.8	14.40	35.4
March	30.65	+0.42	- 9.5	56.3	- 0.1	56.4	14.82	26.0
April	41.92	+0.78	- 8.3	65.7	25.0	40.7	14.07	28.8
May	50.87	-0.31	- 7.2	78.4	32.2	46.2	14.19	24.4
June.....	65.49	+4.44	+ 0.9	89.5	39.2	50.3	19.77	32.8
July.....	65.60	-0.81	- 3.1	91.3	41.6	49.7	23.80	30.7
August.....	68.61	+2.45	+ 0.1	94.9	42.5	52.4	21.41	39.1
September	68.81	+0.79	- 2.7	85.5	33.9	51.6	18.42	32.2
October	44.40	-0.53	- 9.4	64.7	23.4	41.3	20.51	31.5
November	38.68	+2.17	- 4.5	55.6	12.8	42.8	13.01	27.6
December	25.32	-1.43	-10.7	46.4	- 8.4	54.8	14.14	24.7
Mean	44.78	+0.55	-6.2			48.47	16.89	

Day of Month.	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites.
				° / "	
1	Satur.	Queen visits Scotland 1842.	Moon Near Uranus	1 27 40	Sat. Toronto. d. n. m.
2	SUND.	London burnt 1666.	Venus South 1.58 eve.	1 27 49	I. Reapp. 3 2 51 m.
3	Mond.	Sir E. Coke died 1633.	Jupiter south 11.3 eve.	1 27 49	I. Reapp. 4 9 20 eve.
4	Tuesd.	River Hudson discovered 1609.	Moon east of Saturn.	1 27 49	II. Reapp. 5 7 6 eve.
5	Wed.	The Boxer captured 1814.	Moon farthest north.	1 27 48	I. Reapp. 10 11 16 eve.
6	Thur.	Lafayette born 1757.	Mars in σ 's nebula.	1 27 48	II. Reapp. 12 9 41 eve.
7	Friday	H. Moore died 1833.	Moon west of Mars.	1 27 47	III. Reapp. 12 11 58 eve.
8	Satur.	Montreal snr. to Britain 1766.	Venus stationary.	1 27 47	I. Reapp. 19 1 11 m.
9	SUND.	Fall of Table Rock 1853,	Moon in apogee.	1 27 47	II. Reapp. 20 0 16 m.
10	Mond.	(11) Hon. A. Grant Presid. 1805.	Venus near Spica.	1 27 46	I. Reapp. 20 7 40 eve.
11	Tuesd.	Battle of Plattsburg 1814.	Mercury on equator.	1 27 46	IV. Disapp. 26 0 23 mo.
12	Wed.	Battle at North Point 1814.	Moon near Venus.	1 27 46	I. Reapp. 27 9 35 eve.
13	Thur.	Bat. Quebec, Wolfe killed 1759.	Saturn in Taurus.	1 27 45	Ex. 42.—The lengths of two lines drawn from the acute angles to the middle of the opposite sides are <i>a</i> and <i>b</i> ; what are the sides of the right-angled triangle?
14	Friday	Wellington died 1852.	Jupiter in Capricorn.	1 27 45	
15	Satur.	Malta taken 1800.	Moon and γ at Desc. n.	1 27 45	
16	SUND.	New York taken 1776	Jupiter south 10.6 ev.	1 27 44	
17	Mond.	Sortie from Fort Erie 1814,	Venus near Mercury.	1 27 44	
18	Tuesd.	(19) Quebec taken 1759.	Venus south 0.50 eve.	1 27 44	Ex. 43.—The ratio of two sides of a triangle is as 6 to 5, and the segments of the base, made by a perpendicular falling from the vertex, are 18 and 7; what are the sides?
19	Wed.	Lord Sydenham died 1841.	Moon farthest south.	1 27 43	
20	Thur.	Demerara taken 1803.	Saturn south 6.3 mo.	1 27 43	
21	Friday	Sir Walter Scott died 1832.	Venus in Virgo.	1 27 42	
22	Satur.	Dr. Boerhaave d. 1733.	(23d Saturn 90°W. of \odot)	1 27 42	
23	SUND.	Battle of Assaye, 1803.	Sun enters Virgo ζ δ δ	1 27 42	
24	Mond.	Cardan born 1501.	Moon in perigee.	1 27 41	Ex. 44.—The hypothenuse of a right-angled triangle is 29, and the side of inscribed square 10 10-41: required the legs.
25	Tuesd.	Francis Gore, Lieut. Gov. 1815.	Moon on equator.	1 27 41	
26	Wed.	Philadelphia taken, 1777.	(25th, γ in perihelion)	1 27 41	
27	Thur.	L. C. Prov. Exhib. Montreal 1853.	Moon at Ascen. node.)	1 27 40	
28	Friday	Columbus' Second Voyage 1493.	Moon near Uranus.	1 27 40	Ex. 45.—"Given $x^2 + y^2 = 285$, and $y^2 - xy = 14$, to find <i>x</i> and <i>y</i> ."
29	Satur.	Michaelmas.	Michaelmas Day.	1 27 40	
30	SUND.	Maj.-Gen. Sir I. Brock, Pres. 1811.	Venus in Virgo.	1 27 39	

- ☉ Last
- ☽ New
- ☾ First
- ☽ Full
- ☾ Apog
- ☽ Perig

Day Mo.

- 1 ...
- 7 ...
- 13 ...
- 19 ...
- 25 ...
- 30 ...

Day of Month
Day of Week

- 1 Satur
- 2 Sund
- 3 Mond
- 4 Tues
- 5 Wed
- 6 Thur
- 7 Frida
- 8 Satur
- 9 Sund
- 10 Mond
- 11 Tues
- 12 Wed
- 13 Thur
- 14 Frida
- 15 Satu
- 16 Sund
- 17 Mond
- 18 Tues
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- 20 Thur
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- 29 Satu
- 30 Sund

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Virgo, the

MOON'S PHASES.	D.	Toronto.		Quebec.		Twilight or Daylight begins and ends at—														
						Toronto.		Halifax.		Montreal.		Fredriet'n		Quebec.						
		h	m	h	m	Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End					
☾ Last Quarter ...	3	3	8 mo	3	40 mo															
☾ New Moon	11	5	36 mo	6	8 mo	h	m	h	m	h	m	h	m	h	m	h	m			
☽ First Quarter ...	19	1	45 mo	2	17 mo	1	3	4	8	19	3	38	8	21	3	35	8	24		
☾ Full Moon	25	4	9 ev	4	41 ev	10	3	55	7	58	2	52	8	13	50	3	48	5	46	
☾ Apogee	9	3	2 ev	3	34 ev	20	4	8	7	38	1	7	7	39	4	37	44	4	47	
☾ Perigee	24	2	32 ev	3	4 ev	30	4	21	7	19	4	20	7	20	4	18	7	21	4	18

w.

Greatest
Daily
Rango.

3	40.9
2	35.4
2	26.0
7	28.8
19	24.4
7	32.8
19	30.7
1	39.1
2	32.2
1	31.5
1	27.6
1	24.7

Ephemeris of the Planets, &c.

Day Mo.	Venus		Mars		Jupiter		Saturn		Sun's		Sun's		Venus		Mars		Jupiter		Saturn		Venus		Mars		Jupiter		Saturn		
	South	Even.	South	Morn.	South	Even.	South	Morn.	Longi- tude.	Right	Ascen.	Right	Ascen.	Right	Ascen.	Right	Ascen.	Right	Ascen.	Decl.	South.	Decl.	North.	Decl.	South.	Decl.	North.	Decl.	North.
	h	m	h	m	h	m	h	m	°	'	h	m	h	m	h	m	h	m	h	m	°	'	°	'	°	'	°	'	
1 ...	2	1	9	30	11	12	7	13	158	39	10	41	12	43	8	11	21	55	5	54	10	51	21	4	14	0	22	15	
7 ...	1	40	9	22	10	46	6	51	164	29	11	3	12	46	8	27	21	52	5	55	12	13	20	15	14	15	22	15	
13 ...	1	15	9	14	10	19	6	29	170	19	11	24	12	44	8	42	21	50	5	57	12	57	19	23	14	28	22	15	
19 ...	0	45	9	6	9	54	6	7	176	11	11	46	12	37	8	58	21	48	5	58	12	56	18	26	14	39	22	14	
25 ...	0	10	8	57	9	28	5	44	182	3	12	8	12	26	9	13	21	46	5	59	12	3	17	26	14	49	22	14	
30 ...	Morn	8	50	9	7	5	25	186	58	12	26	12	16	9	25	21	44	6	0	10	42	16	33	14	55	22	14		

er's Satellites.

3	D.	H.	M.
4	2	51	mo.
4	9	20	ev.
5	7	6	ev.
5	7	57	ev.
10	11	16	ev.
12	9	41	ev.
12	11	58	ev.
19	1	11	mo.
20	0	16	mo.
20	7	40	ev.
26	0	23	mo.
27	9	35	ev.

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the acute
iddle of the op-
and b; what
the right-angled

to of two sides
as 6 to 5, and
the base, made
er falling from
8 and 7; what

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r triangle is 29,
scribed square
d of the legs.

Given $x^2 + y^2$
 $-xy = 14$, to

Day of Month	Day of Week	Calendar for Upper Canada and Nova Scotia.						Calendar for Lower Canada and New Brunswick.						DEPARTMENT FOR ALL OF UPPER AND LOWER CANADA.									
		Sun		Moon		Sun		Moon		Pole Star		Shadow at		Mn's		Moon		Moon's		Sun's			
		Rises	Sets.	Rises	Sets.	Rises	Sets.	Rises	Sets.	in Meridian	Noon Mark.	Age	Noon.	South.	Place at 7 P. M.	Declination	South.						
1	Satur.	244	5 23	6 37	9 19	5 25	6 35	9 11	2 27	20	11 59	55	19.9	4	7	♃	13	8 19	58				
2	Sund.	245	5 24	6 35	9 19	5 26	6 32	9 43	2 23	25	11 59	56	20.9	4	58	♃	6	7 58	7				
3	Mond.	246	5 25	6 33	10 32	5 28	6 30	10 21	2 19	29	11 59	17	21.9	5	50	♃	0	18	7 36	9			
4	Tuesd.	247	5 26	6 31	11 22	5 30	6 28	11 11	2 15	34	11 58	58	22.9	6	44	♃	1	7 14	4				
5	Wed.	248	5 27	6 30	Morn	5 31	6 27	Morn	2 11	39	11 58	39	23.9	7	37	♃	13	6 51	51				
6	Thur.	249	5 28	6 28	17 5	32	6 24	6	2 7	43	11 58	19	24.9	8	29	♃	0	25	6 29	31			
7	Friday	250	5 30	6 26	1 19	5	33	6 23	1 10	2	3 48	11 57	59	25.9	9	19	♃	7	6 7	5			
8	Satur.	251	5 31	6 24	2 23	5	34	6 22	2 14	1 59	52	11 57	39	26.9	10	6	♃	0	19	5 44	33		
9	Sund.	252	5 32	6 22	3 26	5	35	6 19	3 19	1 55	57	11 57	18	27.9	10	51	♃	1	5 21	55			
10	Mond.	253	5 33	6 20	Sets	5 36	6 18	Sets.	1 52	1 11	56	58	28.9	11	13	♃	0	13	4 59	11			
11	Tuesd.	254	5 34	6 19	6 42	5 37	6 15	6 43	1 48	5 11	56	37	2	Ev.	13	♃	0	25	4 36	22			
12	Wed.	255	5 35	6 17	7 0	5 39	6 13	7 0	1 44	10	11 56	16	1.2	53	♃	7	4	13	28				
13	Thur.	256	5 37	6 15	7 18	5 40	6 12	7 16	1 40	14	11 55	33	2.2	1 32	♃	0	19	3 50	30				
14	Friday	257	5 38	6 13	7 37	5 41	6 9	7 23	1 36	19	11 55	34	3.2	2 14	♃	1	3	27	28				
15	Satur.	258	5 39	6 11	7 59	5 43	6 7	7 53	1 32	24	11 55	13	4.2	2 57	♃	0	13	3 4	21				
16	Sund.	259	5 40	6 9	8 25	5 44	6 6	8 17	1 28	28	11 54	52	5.2	3 44	♃	0	26	2 41	10				
17	Mond.	260	5 41	6 7	8 59	5 45	6 3	8 50	1 24	33	11 54	31	6.2	4 35	♃	9	2	18	0				
18	Tuesd.	261	5 42	6 6	9 45	5 46	6 2	9 33	1 20	37	11 54	9	7.2	5 30	♃	0	22	1 54	44				
19	Wed.	262	5 44	6 4	10 43	5 48	6 0	10 31	1 16	42	11 53	48	8.2	6 30	♃	5	1	31	27				
20	Thur.	263	5 45	6 2	11 50	5 49	5 57	11 40	1 12	46	11 53	27	9.2	7 32	♃	0	19	1 8	8				
21	Friday	264	5 46	6 0	Morn	5 51	5 55	Morn	1 8	50	11 53	6	10.2	8 33	♃	4	0	44	47				
22	Satur.	265	5 47	5 58	1 10	5 52	5 53	1 2	1 4	55	11 52	45	11.2	9 32	♃	0	19	0 21	24				
23	Sund.	266	5 48	5 56	2 33	5 52	5 52	2 26	1 0	59	11 52	24	12.2	10 28	♃	4	8	1 59					
24	Mond.	267	5 49	5 54	3 56	5 54	5 50	3 52	0 57	3	11 52	3	13.2	11 21	♃	0	19	0 25	23				
25	Tuesd.	268	5 50	5 52	Rises	5 56	5 48	Rises	0 53	8	11 51	43	14.2	Morn	♃	4	0	48	47				
26	Wed.	269	5 52	5 51	6 26	5 56	5 46	6 24	0 49	12	11 51	22	15.2	1 2	♃	0	19	1 12	12				
27	Thur.	270	5 53	5 49	6 49	5 57	5 45	6 45	0 45	16	11 51	2	16.2	1 3	♃	3	1	35	36				
28	Friday	271	5 54	5 47	7 16	5 59	5 43	7 9	0 41	21	11 50	42	17.2	1 54	♃	0	17	1 59	0				
29	Satur.	272	5 55	5 45	7 48	6 0	5 40	7 39	0 37	25	11 50	22	18.2	2 47	♃	1	2	22	22				
30	Sund.	273	5 57	5 43	8 25	6 2	5 38	8 14	0 33	30	11 50	3	19.2	3 40	♃	0	14	2 45	44				

Prob. 25.—A horse being tied to the outside of a round wall enclosing a garden, is to be fed in just an acre of ground, and his rope is exactly equal to half the distance around the garden. Required the length of the rope and diameter of the garden.

Prob. 26.—A perfectly flexible rope, 100 feet long, is suspended at its extremities, to two fixed points in the same horizontal line, eighty feet apart. Required the greatest depth of the curve, or the distance the rope sags.

October, in the year of Romulus, was strictly what its name implies, the eighth month. With us it is the tenth; sign in the Zodiac, LIBRA, the Balance.

General Meteorological Register for 1853.

COMPILED FROM TABLES PUBLISHED BY THE PROVINCIAL OBSERVATORY, TORONTO. C. W.

MONTH.	BAROMETER.				AIR.		Mean of Cloudiness.
	Mean Height.	Highest Barometer.	Lowest Barometer.	Monthly Range.	Mean Humidity.	Mean Elasticity.	
January	29.7121	30.315	28.653	1.662	.82	0.110	0.68
February	29.5824	29.937	29.074	0.863	.82	0.117	0.74
March	29.5533	30.168	28.892	1.276	.81	0.145	0.59
April	29.5689	29.974	28.985	0.989	.80	0.212	0.46
May	29.5979	30.074	29.213	0.861	.80	0.297	0.57
June	29.6175	29.982	29.265	0.717	.79	0.491	0.43
July	29.6552	29.916	29.274	0.632	.70	0.425	0.31
August	29.5907	29.850	29.300	0.550	.74	0.513	0.47
September	29.6421	29.999	28.946	1.053	.79	0.399	0.53
October	29.6485	30.066	28.985	1.081	.75	0.223	0.49
November	29.7921	30.270	29.159	1.111	.81	0.201	0.74
December	29.5984	29.984	28.952	1.032	.81	0.122	0.76
Mean	29.6299			0.986	.79	0.271	0.57

Day of Month	Day of Week	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellit. s.
1	Mond.	Battle of Toulon. 1793.	Venus Inf. δ S. ζ δ $\frac{1}{2}$	1 27 39	Sat. Toronto. D. H. M.
2	Tuesd.	Major Andre hung 1780.	(1st, Moon farthest N.)	1 27 38	I. Reapp. 4 11 31 eve.
3	Wed.	Tillotson born 1720.	Venus in Virgo.	1 27 38	II. Reapp. 7 6 45 eve.
4	Thur.	Belgian Independence dec. 1830.	Saturn south 5.10 mo.	1 27 37	IV. Disapp. 12 6 38 eve.
5	Friday	U. C. Prov. Exh. Hamilton, 1853.	Saturn enters Gemini	1 27 37	I. Reapp. 12 11 8 eve.
6	Satur.	Battle of the Thames 1813.	Moon near Mars.	1 27 37	II. Reapp. 14 9 21 eve.
7	SUND.	Great Fire at Miramichi 1825.	Venus at equinox.	1 27 36	III. Reapp. 18 8 5 eve.
8	Mond.	Intel. of disc. N. W. passage 1853.	Jupiter 8.34 even.	1 27 36	I. Reapp. 20 9 51 eve.
9	Tuesd.	Battle of Savannah 1797.	Moon near Venus.	1 27 36	II. Reapp. 21 11 57 eve.
10	Wed.	(11) America discovered 1492.	Jupiter South 8.26 cv.	1 27 35	III. Disapp. 25 8 39 eve.
11	Thur.	Battle of Camperdown, 1797.	Mercury gr. elong East.	1 27 35	I. Reapp. 29 6 15 eve.
12	Friday	Penn born 1745.	Saturn stationary.	1 27 34	
13	Satur.	Gen. Brock killed, 1812.	Moon East of Mercury.	1 27 34	Ex. 46.—The diameter of a circle is required, the side of its inscribed pentagon being 10.
14	SUND.	(13) Found. Stone Brock's Mon. '53	Jupiter in Capricorn.	1 27 34	
15	Mond.	L. E. Landon died 1838.	Mars near Regulus.	1 27 33	Ex. 47.—The area of a circle inscribed in an isosceles triangle whose area is 17, is $8\frac{1}{2}$; what are the sides and angles?
16	Tuesd.	Dark day at Quebec 1785.	Moon farthest south.	1 27 33	
17	Wed.	Burgoyne's surrender 1777.	Saturn south 4.19 mo.	1 27 32	Ex. 48.—Required the sides of a right-angled triangle, the hypothenuse being 97, and the radius of the inscribed circle being 20.
18	Thur.	Battle of Leipsic 1813.	Venus south 10.5 mo.	1 27 32	
19	Friday	H. K. White died 1806.	Venus and Jupiter stat.	1 27 32	
20	Satur.	Sir H. Sheaffe, President, 1812.	Saturn in Taurus.	1 27 31	
21	SUND.	Nelson died 1805.	Venus in Leo.	1 27 31	
22	Mond.	Cape Nicholas taken 1793.	Moon in perigee.	1 27 30	
23	Tuesd.	Battle of Edgehill 1642.	Sun ent. Libra. δ stat.	1 27 30	
24	Wed.	Daniel Webster died 1852.	Moon eclipsed, visible.	1 27 30	
25	Thur.	Battle of Agincourt 1415.	Moon at Ascen. node.	1 27 29	Ex. 49.—The diameter of a circle is $\frac{4}{3}$; required the inscribed and circumscribed equilateral triangles.
26	Friday	Battle of Chatauguay 1813.	Moon east of Uranus.	1 27 29	
27	Satur.	Captain Cook born 1728.	Mars east of Regulus.	1 27 29	
28	SUND.	Alfred the great died 900.	Saturn south 3.35 Mo.	1 27 28	
29	Mond.	Battle of Fort Erio	Moon east of Saturn.	1 27 28	Ex. 50.—The sides of a triangle are 137, 111, and 124; what is the radius of the inscribed circle?
30	Tuesd.	Dr. Cartwright died 1823.	Jupiter south 7.8 eve.	1 27 27	
31	Wed.	Hallowe'en.	Venus at equinox.	1 27 27	

Second
Moon's
Lust
New
First
Full
Apog
Perig
Day Mo.
Day of Month
Day of Week
1 Mond.
2 Tuesd
3 Wed.
4 Thur.
5 Friday
6 Satur.
7 SUND.
8 Mond.
9 Tuesd
10 Wed.
11 Thur.
12 Friday
13 Satur.
14 SUND.
15 Mond.
16 Tuesd
17 Wed.
18 Thur.
19 Friday
20 Satur.
21 SUND.
22 Mond.
23 Tuesd
24 Wed.
25 Thur.
26 Friday
27 Satur.
28 SUND.
29 Mond.
30 Tuesd
31 Wed.
Prob.
wedding
inch, and
diameter
Prob.

nth month.

C. W.

Mean of Cloudiness.

MOON'S PHASES.	D.	Toronto.		Quebec.		Twilight or Daylight begins and ends at—									
						Toronto.		Halifax.		Montreal.		Fredricton		Quebec.	
		h	m	h	m	Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End
☾ Last Quarter ...	2	5	49 ev	6	21 ev										
☾ New Moon	10	10	9 ev	10	41 ev	h	m	h	m	h	m	h	m	h	m
☽ First Quarter ...	18	10	22 mo	10	51 mo	1	22	7	16	1	21	7	18	4	21
☽ Full Moon	25	2	11 mo	2	43 mo	10	4	34	7	0	4	33	7	1	32
☽ Apogee	6	11	32 mo	(7)	0	4	20	4	45	6	44	4	45	6	40
☽ Perigee	22	8	2 ev	8	34 ev	30	4	56	6	27	4	56	6	27	5

Ephemeris of the Planets, &c.

Day Mo.	Venus South. Morn.	Mars South. Morn.	Jupit'r South. Even.	Satur'n South. Morn.	Sun's Longi- tude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupit'r Right Ascen.	Satur'n Right Ascen.	Venus Decl. South.	Mars Decl. North.	Jupit'r Decl. South.	Satur'n Decl. North.
0.68														
0.74														
0.59														
0.46	1	11	34	8	48	9	3	5	21	187	57	12	29	12
0.57	7	10	59	8	39	8	38	4	58	193	52	12	51	12
0.43	13	10	28	8	20	8	14	4	35	199	48	13	13	11
0.34	19	10	1	8	19	7	50	4	11	205	46	13	36	11
0.47	25	9	40	8	9	7	27	3	47	211	45	13	58	11
0.53	31	9	24	7	59	7	4	3	23	217	44	14	21	12

Day of Month	Day of Week	Day of Year	Calendar for Upper Canada and Nova Scotia.						Calendar for Lower Canada and New Brunswick.						DEPARTMENT FOR ALL OF UPPER AND LOWER CANADA.															
			Sun Rises.		Sun Sets.		Moon Rises.		Sun Rises.		Sun Sets.		Moon Rises.		Pole Star in Meridian Morning.			Shadow at Noon Mark Morning.			Mn's Age Noon.		Moon's South. Morn.		Moon's Place at 7 P. M.		Sun's Declination South.			
			h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m
			1	Mond.	274	5	58	5	41	9	22	6	4	5	36	9	10	0	29	34	11	49	44	20	2	4	35	8	27	3	9	4
2	Tuesd.	275	5	59	5	40	10	6	6	5	33	9	54	0	25	38	11	49	25	21	2	5	30	II	16	3	32	2		
3	Wed.	276	5	0	5	38	11	9	6	6	5	32	10	59	0	21	43	11	49	6	22	2	6	24	do.	22	3	55	37	
4	Thur.	277	5	1	5	36	Morn	6	7	5	31	Morn	0	17	47	11	48	48	23	2	7	15	25	6	4	18	51	51		
5	Friday	278	5	3	5	34	14	6	8	5	28	5	0	13	51	11	48	36	24	2	8	3	do.	16	4	42	1			
6	Satur.	279	5	4	5	32	1	17	6	8	25	1	9	0	9	55	11	48	12	25	2	8	48	do.	28	5	5	8		
7	Sund.	280	5	5	5	30	2	19	6	11	5	25	2	14	0	5	59	11	47	55	26	2	9	31	Q	16	5	28	11	
8	Mond.	281	5	6	5	29	3	23	6	13	5	23	3	20	0	2	3	11	47	38	27	2	10	12	do.	21	5	51	10	
9	Tuesd.	282	5	7	5	27	4	24	6	14	5	26	4	23	Evening	11	47	22	28	2	10	52	W	3	6	14	5			
10	Wed.	283	5	9	5	25	5	25	6	15	5	19	Sets	11	50	16	11	47	0	29	2	11	32	do.	16	6	36	55		
11	Thur.	284	5	10	5	23	5	44	6	16	5	18	5	41	11	46	20	11	46	50	6	13	Ev.	13	do.	28	6	59	39	
12	Friday	285	5	11	5	22	6	6	18	15	16	6	1	11	42	24	11	46	35	1	6	56	do.	10	7	22	18			
13	Satur.	286	5	12	5	20	6	25	16	15	12	6	17	11	38	28	11	46	21	2	6	1	42	do.	23	7	44	50		
14	Sund.	287	5	14	5	18	7	0	6	21	5	11	6	50	11	34	33	11	46	7	3	6	2	32	W	6	8	7	17	
15	Mond.	288	5	15	5	17	7	4	6	23	5	9	7	30	11	30	37	11	45	53	4	6	3	26	do.	19	8	29	36	
16	Tuesd.	289	5	16	5	15	8	34	6	24	5	8	8	22	11	26	41	11	45	41	5	6	4	24	↑	2	8	51	48	
17	Wed.	290	5	18	5	13	9	39	6	25	5	6	9	27	11	22	45	11	45	28	6	6	5	23	do.	16	9	13	52	
18	Thur.	291	5	19	5	12	10	52	6	26	5	4	10	43	11	18	46	11	45	16	7	6	6	23	do.	30	9	35	43	
19	Friday	292	5	20	5	10	Morn	6	27	5	3	Morn	4	11	10	57	11	44	55	9	6	8	16	do.	28	10	19	15		
20	Satur.	293	5	21	5	8	12	6	28	5	2	4	11	10	57	11	44	55	9	6	8	16	do.	28	10	19	15			
21	Sund.	294	5	23	5	7	1	30	6	30	5	0	1	26	11	7	1	11	44	45	10	6	9	8	W	13	10	40	45	
22	Mond.	295	5	24	5	5	2	49	6	31	4	54	2	47	11	3	5	11	44	36	11	6	9	54	do.	28	11	2	5	
23	Tuesd.	296	5	25	5	3	4	8	6	32	4	56	4	7	10	59	9	11	44	27	12	6	10	49	X	12	11	23	15	
24	Wed.	297	5	27	5	2	Rises	6	34	4	54	Rises	10	55	13	11	44	19	13	6	11	39	do.	27	11	44	14			
25	Thur.	298	5	28	5	0	5	12	6	35	4	53	5	7	10	51	17	11	44	12	14	6	Morn	W	11	12	5	3		
26	Friday	299	5	29	4	59	5	43	6	37	1	51	5	35	10	47	21	11	44	6	15	6	31	do.	25	12	25	41		
27	Satur.	300	5	31	4	57	6	18	6	39	4	49	6	9	10	43	25	11	44	0	16	6	1	25	8	9	12	46	8	
28	Sund.	301	5	32	4	56	7	2	6	41	4	47	6	51	10	39	29	11	43	55	17	6	2	21	do.	22	13	6	22	
29	Mond.	302	5	33	4	54	7	54	6	43	4	45	7	42	10	35	33	11	43	51	18	6	3	17	II	5	13	26	24	
30	Tuesd.	303	5	35	4	53	8	55	6	44	4	44	8	49	10	31	37	11	43	48	19	6	4	13	do.	18	13	46	14	
31	Wed.	304	5	36	4	51	10	0	6	45	4	43	9	50	10	27	41	11	43	45	20	6	5	7	do.	30	14	5	51	

PROB. 27.—Required the solid contents of a wedding ring, whose thickness is 1-12th of an inch, and width 1-5th of an inch, and inside diameter 7-10ths of an inch.

PROB. 28.—With what velocity per second

must a cannon ball be projected horizontally, at the top of a mountain 5 miles high, in order to revolve entirely around the earth, and return to the same place from which it started, no resistance from the air being considered?

er's Satellit.

D. H. M.
 4 11 31 evr.
 7 6 45 evr.
 2 6 38 evr.
 2 11 8 evr.
 3 7 56 evr.
 4 9 21 evr.
 8 8 5 evr.
 10 9 51 evr.
 11 57 evr.
 5 8 39 evr.
 9 6 15 evr.

diameter of a side of its n being 10.

area of a circle ocles triangle g 97, and angles?

ared the sides d triangle, the g 97, and the scribed circle

diameter of a required the eumscribed les.

sides of a tri- g, and 124: us of the in-

♏ This month, whose Zodiacal sign is SCORPIO, the Scorpion, is, in common with some of the other months, indebted for its name to Romulus, with whom it was the ninth month—it is now the eleventh.

General Meteorological Register for 1853.

COMPILED FROM TABLES PUBLISHED BY THE PROVINCIAL OBSERVATORY, TORONTO, C. W.

MONTH.	WIND.		RAIN.		Amount of Snow.	No. of Fair Days.
	Mean Direction.	Mean Velocity. (Miles.)	Amount. (Inches.)	Difference from Average.		
January	N. 27. W.	6.34	0.290	-1.535	7.5	24
February	N. 49. W.	7.29	1.030	+0.023	12.6	9
March	N. 62. W.	5.87	1.080	-0.481	7.1	17
April	N. 12. W.	5.20	2.625	+0.023	1.0	19
May	N. 20. W.	5.14	4.420	+1.534	Inapp.	13
June	N. 14. W.	3.67	1.550	-1.532		21
July	E. 14. S.	3.70	0.915	-2.762		21
August	E. 61. S.	4.23	2.575	-0.415		20
September	N. 5. E.	4.30	5.140	+0.839		18
October	W. 2. S.	4.72	0.875	-2.198	Inapp.	19
November	N. 1. E.	5.52	2.425	-0.628	2.7	9
December	N. 38. W.	4.98	0.625	-0.944	22.3	14
Mean	N. 38. W.	5.08	23.550	-8.076	53.2	204

Day of Month	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites.
1	Thur.	All Saints.	Mars in Leo.	1 27 27	Sat. Toronto. D. H. M.
2	Friday	Rebellion in Canada, 1837.	Venus south 9.19 Mo.	1 27 26	I. Reapp. 5 8 12 eve.
3	Satur.	Acre stormed 1840.	Mer. Inf. ♂ Sun. ♀ ♂	1 27 26	II. Reapp. 8 6 28 eve.
4	SUND.	(5) Sir J. Colborne Lt.-Gov. 1828.	Mercury in Ascen. node.	1 27 26	I. Reapp. 12 10 7 eve.
5	Mond.	Gunpowder Plot 1605.	Moon near Venus.	1 27 25	II. Reapp. 15 9 5 eve.
6	Tuesd.	Riots at Montreal 1837.	Venus brightest.	1 27 25	I. Reapp. 21 6 32 eve.
7	Wed.	Battle of Tippecanoe 1811.	Venus in Virgo.	1 27 25	I. Reapp. 28 8 28 eve.
8	Thur.	Battle of Warsaw 1794.	Moon at Disc. node.	1 27 24	II. Reapp. 30 8 16 eve.
9	Friday	Prince of Wales born, 1841.	Sun eclipsed. Invisible.	1 27 24	
10	Satur.	Luther born 1483.	Saturn south 2.41 Mo.	1 27 24	Ex. 51.—From the corners of a triangle to the centre of the inscribed circle, are 6, 7, and 8; what are the sides of the triangle, and the radius of inscribed circle?
11	SUND.	Battle of Williamshurg 1813.	Uranus 180° from Sun.	1 27 23	
12	Mond.	Montreal taken 1775.	Mercury stationary.	1 27 23	
13	Tuesd.	Sympathisers at Prescott 1838.	Moon farthest south.	1 27 22	
14	Wed.	Herschel born 1738.	Jupiter in Capricorn.	1 27 22	
15	Thur.	Great Fire in St. John 1841.	Saturn in Taurus.	1 27 22	
16	Friday	J. Ferguson died, 1776.	Jupiter 90° east of Sun.	1 27 21	Ex. 52.—The hypotenuse of a right-angled triangle is 29, and the difference between two lines drawn from the acute angles to the centre of the inscribed circle is $(2\sqrt{2}-3)\sqrt{29}$; required the legs and the radius.
17	Satur.	Battle of Rosbach 1382.	Jupiter South 6.2 eve.	1 27 21	
18	SUND.	Cortes sailed for Mexico 1578.	Mars south 7.26 mo.	1 27 21	
19	Mond.	Jay's Treaty 1794.	Mercury 19° 33' W. Sun	1 27 20	
20	Tuesd.	Wolsey died 1530.	Moon in equator.	1 27 20	
21	Wed.	Princess Royal born 1840.	Moon at Ascen. node.	1 27 20	
22	Thur.	Battle of Breslaw 1757.	Sun enters Scorpio.	1 27 19	
23	Friday	Lieut. Weir murdered 1837.	Mars south 7.16 mo.	1 27 19	
24	Satur.	Peace with United States, 1814.	Mars in Leo.	1 27 19	Ex. 53.—Given the base, 245, the perpendicular 120, and the sum of the other two sides, 343, find those sides.
25	SUND.	British evacuated New York 1783	Moon farthest N. ♀ ♂ ♃	1 27 18	
26	Mond.	East India Co. incorporated 1700.	Venus north of Spica.	1 27 18	
27	Tuesd.	Princess Mary born 1833.	Jupiter south 5.26 eve.	1 27 18	
28	Wed.	Battle of Boxar 1835.	Saturn South 1.26 Mo.	1 27 17	
29	Thur.	Revolt of Poland 1830.	Mars south 7.4 Mo.	1 27 17	Ex. 54.—Required the side of a square described in a semi circle whose radius is $2\sqrt{5}$.
30	Friday	St. Andrew's Day.		1 27 17	

Third
 Moon's
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 ● First
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 Day Mo.
 1 Thur
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 3 Satur
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 11 SUND
 12 Mond
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C. W.

No. of
Fair Days.

MOON'S PHASES.	D. Toronto.		Quebec.		Twilight or Daylight begins and ends at—														
					Toronto.			Halifax.			Montreal.			Fredric'n.			Quebec.		
	Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End	
☾ Last Quarter ...	1	12 0 mo	0	32 ev															
☾ New Moon	9	2 15 ev	2	47 ev															
☽ First Quarter ...	16	5 58 ev	6	30 ev	1	5	0 6 28	5	0 6 28	5	0 6 27	5	1 6 27	5	0 6 27	5	0 6 27	5	
☽ Full Moon	23	2 34 ev	3	6 ev	10	5	10 6 18	5	10 6 18	5	7 6 22	5	11 6 17	5	12 6 16	16	16	16	
☽ Apogee	3	4 44 ev	5	16 ev	20	5	21 6 11	5	22 6 10	5	23 6 9	5	23 6 9	5	26 6 8	8	8	8	
☽ Perigee	19	6 44 mo	7	16 mo	31	5	31 6 7	5	34 6 4	5	34 6 4	5	34 6 4	5	35 6 3	3	3	3	

Ephemeris of the Planets, &c.

Day Mo.	Venus South Morn.	Mars South Morn.	Jupit'r South Even.	Saturn South Morn.	Sun's Longi-tude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupit'r Right Ascen.	Saturn Right Ascen.	Venus Decl. South.	Mars Decl. North.	Jupit'r Decl. South.	Saturn Decl. North.
24	h m	h m	h m	h m	° ' "	h m	h m	h m	h m	h m	° ' "	° ' "	° ' "	° ' "
9	9 21	7 57	7 0	3 18	218 44	14 25	12 2	10 38	21 43	5 59	2 24	10 19	14 56	22 13
17	9 9	7 46	6 38	2 54	224 46	14 49	12 14	10 51	21 44	5 58	2 2	9 6	14 34	22 13
19	9 1	7 35	6 16	2 29	230 48	15 13	12 29	11 4	21 45	5 56	2 58	7 53	14 34	22 12
13	9 9	7 46	6 38	2 54	224 46	14 49	12 14	10 51	21 44	5 58	2 2	9 6	14 34	22 13
21	8 54	7 23	5 54	2 42	236 51	15 38	12 46	11 16	21 48	5 55	3 57	6 40	14 27	22 12
19	8 50	7 12	5 33	1 39	242 55	16 3	13 5	11 28	21 51	5 53	5 1	5 27	14 18	22 12
25	8 48	7 1	5 16	1 17	247 59	16 25	13 23	11 38	21 53	5 52	6 32	4 28	14 0	22 12
20														
18														
19														
9														
14														

Day of Month	Day of Week.	Day of Year.	Calendar for Upper Canada and Nova Scotia.			Calendar for Lower Canada and New Brunswick.			DEPARTMENT FOR ALL OF UPPER AND LOWER CANADA.							
			Sun Rises.	Sun Sets.	Moon Rises.	Sun Rises.	Sun Sets.	Moon Rises.	Pole Star in Meridian Evening.	Shadow at Noon Mark Evening.	Mn's Age Noon.	Moon's Age Morn.	Moon's Place at 7 P. M.	Sun's Declination North.		
			h m	h m	h m	h m	h m	h m	h m s	h m s	days	h m	s	° ' "		
1	Thurs.	305	6 37	4 56	11 46	46 4	42 10	56 10	23 45	11 43	43 21	6 5	57 12	14 25	14	
2	Friday	306	6 39	4 49	Morn	6 47	4 41	Morn	10 19	48 11	43 42	6 4	44 24	14 44	24	
3	Satur.	307	6 40	4 47		8 6	48 4	40 1	10 15	52 11	43 42	7 27	45 18	15 3	19	
4	Sund.	308	6 41	4 46	1 10	6 49	4 39	1 6	10 11	56 11	43 43	8 9	46 18	15 22	0	
5	Mond.	309	6 43	4 45	2 12	6 51	4 37	2 10	10 8	0 11	43 44	8 49	47 30	15 40	25	
6	Tuesd.	310	6 44	4 44	3 15	6 53	4 35	3 15	10 4	4 11	43 46	9 29	48 12	15 58	35	
7	Wed.	311	6 45	4 42	4 18	6 55	4 33	4 20	10 0	7 11	43 50	10 9	49 16	16 16	29	
8	Thur.	312	6 47	4 41	5 28	6 56	4 32	5 31	9 56	11 11	43 53	10 52	50 7	16 34	6	
9	Friday	313	6 48	4 40	Sets	6 58	4 30	Sets	9 52	15 11	43 58	11 37	51 19	16 51	27	
10	Satur.	314	6 49	4 39	5 16	6 59	4 29	4 53	9 48	19 11	44 4	0 9	52 27	17 8	31	
11	Sund.	315	6 51	4 39	5 40	7 0	4 28	5 30	9 44	23 11	44 10	1 9	53 26	17 25	17	
12	Mond.	316	6 52	4 38	6 29	7 14	4 27	6 17	9 40	27 11	44 18	2 9	54 28	17 41	45	
13	Tuesd.	317	6 53	4 37	7 31	7 24	4 26	7 20	9 36	30 11	44 26	3 9	55 31	17 57	54	
14	Wed.	318	6 55	4 36	8 42	7 44	4 25	8 33	9 32	34 11	44 35	4 9	56 34	18 13	45	
15	Thur.	319	6 56	4 35	10 6	7 64	4 24	9 52	9 28	38 11	44 45	5 9	57 36	18 29	16	
16	Friday	320	6 57	4 34	11 17	8 24	4 22	11 11	9 24	41 11	44 55	6 9	58 38	18 44	28	
17	Satur.	321	6 59	4 33	Morn	7 94	4 21	Morn	9 20	45 11	45 7	7 9	59 41	18 59	19	
18	Sund.	322	7 0	4 32	34	7 104	4 20	30	9 16	49 11	45 19	8 9	60 52	19 13	50	
19	Mond.	323	7 14	4 31	1 50	7 134	4 19	1 49	9 12	52 11	45 33	9 9	61 40	19 28	1	
20	Tuesd.	324	7 34	4 30	3 47	144	4 18	3 5	9 8	56 11	45 47	10 9	62 28	19 41	50	
21	Wed.	325	7 44	4 29	4 20	154	4 17	4 23	9 4	59 11	46 1	11 9	63 16	19 55	17	
22	Thurs.	326	7 54	4 29	5 35	164	4 16	5 41	9 1	3 11	46 17	12 9	64 11	20 8	28	
23	Friday	327	8 6	4 27	Rises	7 184	4 16	Rises.	8 57	7 11	46 23	13 9	65 1	20 21	6	
24	Satur.	328	7 8	4 26	4 51	174	4 15	4 41	8 53	11 11	46 51	14 9	66 5	20 33	27	
25	Sund.	329	7 9	4 26	5 40	174	4 15	5 28	8 49	14 11	47 9	15 9	67 1	20 45	25	
26	Mond.	330	7 10	4 25	6 39	174	4 14	6 28	8 45	18 11	47 27	16 9	68 1	20 57	0	
27	Tuesd.	331	7 11	4 25	7 44	174	4 13	7 34	8 41	21 11	47 47	17 9	69 2	20 8	12	
28	Wed.	332	7 13	4 24	8 49	174	4 12	8 41	8 37	25 11	48 7	18 9	70 3	20 18	59	
29	Thurs.	333	7 14	4 24	9 54	174	4 12	9 47	8 33	28 11	48 28	19 9	71 4	20 29	28	
30	Friday	334	7 15	4 23	10 57	174	4 11	10 52	8 29	32 11	48 49	20 9	72 5	21 39	22	

Prob. 29.—What is the length of the longest straight pole that can be run up a chimney, without bending it, the height of the mantle being 4 feet, and the depth from the front to the back 2 feet?

Prob. 30.—If a rope 100 rods long be coiled

around a post 1 foot in diameter, how far will a horse travel if he be tied to the loose end, and unwinds it, keeping it straight continually?

Prob. 31.—Required the least number, which being divided by 2, 3, 4, 5, 6, will leave the remainders 1, 2, 3, 4, and 5.

the corners of
the centre of the
are 6, 7, and 8:
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radius of in-

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triangle is 23,
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ags and the ra-

n the base, 245,
ar 120, and the
r two sides, 243,
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bed in a semi
ius is 2√5.

↑ SAGITTARIUS, the Archer, is the Zodiacal sign of this, the Twelfth and last month of our year, and the tenth of the Romans.

Mean Results of Meteorological Observations at St. Martin, Isle Jesus, C. E., for 1853.
 COMPILED FROM TABLES PUBLISHED BY DR. SMALLWOOD IN CANADIAN JOURNAL.

MONTH.	THERMOMETER.				BAROMETER.			
	Monthly Mean.	Highest Temperature.	Lowest Temperature.	Monthly Range.	Monthly Mean.	Highest Barometer.	Lowest Barometer.	Monthly Range.
January	16.68	42.0	-28.7	70.7	29.757	30.382	28.635	1.747
February	16.36	43.0	-18.0	61.0	29.654	30.089	28.938	1.151
March	29.68	57.0	- 6.0	63.0	29.584	30.202	28.902	1.300
April	41.36	80.0	21.0	59.0	29.654	29.965	28.735	1.230
May	56.34	87.9	30.0	57.9	29.644	30.103	29.302	0.801
June	68.66	99.2	39.0	60.2	29.648	30.070	29.277	0.793
July	68.04	96.4	46.5	39.9	29.479	29.795	29.115	0.680
August	68.61	96.2	43.3	42.9	29.598	29.913	29.264	0.649
September	58.04	94.0	27.3	66.7	29.325	29.652	28.911	0.741
October	43.37	69.5	23.0	46.5	29.500	29.853	29.113	0.740
November	31.00	61.0	00.0	61.0	29.637	30.147	28.930	1.217
December	16.56	41.0	-21.5	62.5	29.456	29.793	28.843	0.950
Mean	42.89			57.6	29.578			1.000

Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	Eclipses of Jupiter's Satellites.
1 Satur.	Battle of Austerlitz, 1805.	Moon on equator.	0 // /	
2 SUND.	First Sunday in Advent.		1 27 17	Sat. Toronto. n. n. m.
3 Mond.	Battle of Hohenlinden, 1805.	Moon east of Mars.	1 27 16	III. Disapp. 7 8 52 eve.
4 Tues.	Hugh Scobie died 1853.	Moon east of Venus.	1 27 16	II. Reapp. 10 6 14 eve.
5 Wed.	Marshal Ney shot 1815.	Moon at Disc. node.	1 27 16	I. Reapp. 14 6 48 eve.
6 Thur.	Knox died 1821.	Jupiter in Capricorn.	1 27 15	IV. Disapp. 13 7 44 eve.
7 Friday	Rebels defeated at Toronto 1837.	Saturn in Taurus.	1 27 15	
8 Satur.	Conception.	Moon near Mercury.	1 27 15	
9 SUND.	Milton born 1608.	Saturn south 0.39 Mo.	1 27 15	
10 Mond.	Wilna taken by Russia 1812.	Moon farthest South.	1 27 14	Ex. 55.—The perpendicular of a right-angled triangle, falling from the right angle on the base, is 72, and the perimeter is 258: what are its sides?
11 Tuesd.	Charles 12th killed 1781.	Venus 46° 49' W. Sun.	1 27 14	
12 Wed.	Brunel died 1849.	Mercury at Disc. node.	1 27 14	
13 Thur.	Johnston died 1784.	Moon in perigee. ♃ & ♃	1 27 14	
14 Friday	Washington died 1799.	Mars near equinox.	1 27 13	
15 Satur.	St. Eustache destroyed 1837.	Venus in perihelion.	1 27 13	Ex. 56.—The lines drawn from the corners of a triangle to the middle of the opposite sides, are 9, 12, and 15; required the sides?
16 SUND.	Whitfield born 1714.	Moon on equator.	1 27 13	
17 Mond.	Bolivar died 1830.	Venus east of Spica.	1 27 13	
18 Tuesd.	Sir H. Davy born, 1778.	Moon at Ascen. node.	1 27 13	
19 Wed.	Battle at Niagara 1813.	(18th ♃ bright. & ♃ ⊙)	1 27 12	Ex. 57.—The perpendicular of a triangle is 24, the line bisecting the base 40, and the line bisecting the verticle angle 25: required the three sides.
20 Thur.	Gray born 1716.	Mars south 6.20 Mo.	1 27 12	
21 Friday	Battle of Ferozepore 1845.	Jupiter in Aquarius.	1 27 12	
22 Satur.	Pilgrims land. at Plymouth 1620.	Sun enters ♃. ♃ n. ♃	1 27 12	
23 SUND.	Newton born 1642.	Moon farthest north.	1 27 12	
24 Mond.	Treaty of Ghent 1814.	Mars in equator..	1 27 11	Ex. 58.—The sides of a trapezium are 6, 4, 5, and 3, which is inscribed in a circle whose radius is required?
25 Tuesd.	CHRISTMAS.		1 27 11	
26 Wed.	(25) Great Fire in Montreal 1853.	Venus in Libra's square.	1 27 11	
27 Thur.	Belgium indep. ach. 1830.	Mars in Virgo.	1 27 11	
28 Friday	Buffalo burnt 1813.	Mars 90° W. of Sun.	1 27 11	
29 Satur.	Temp. in Toronto 5° b. zero 1853	Moon in Apogee.	1 27 11	Ex. 59.—From the corners of an equilateral triangle to a point without, are 10, 20 and 30: required the sides.
30 SUND.	Black Rock burnt 1813.	Mercury farthest south.	1 27 11	
31 Mond.	Hang up stockings.	Mercury sup. ♃ Sun.	1 27 11	

First
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 ● New
 ● First
 ○ Full
 ● Last
 ○ Apog
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 7 ...
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 Day of Month
 Day of Week
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 2 SUND
 3 Mond
 4 Tues
 5 Wed
 6 Thur
 7 Frida
 8 Satur
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MOON'S PHASES.	D.	Toronto.		Quebec.		Twilight or Daylight begins and ends at—											
						Toronto.		Halifax.		Montreal.		Fredrickton.		Quebec.			
		h	m	h	m	Days.	Beg.	End.	Beg.	End.	Beg.	End.	Beg.	End.	Beg.	End.	
☾ Last Quarter ...	1	8	54	9	26												
☾ New Moon	9	5	1	5	33	h	m	h	m	h	m	h	m	h	m	h	
☽ First Quarter ...	16	1	40	2	12	15	32	6	7	5	29	6	10	5	34	6	
☽ Full Moon	23	5	22	5	54	10	5	40	6	7	5	41	6	5	42	6	
☾ Last Quarter ...	31	6	47	7	19	20	5	46	6	11	5	47	6	9	5	48	
☾ Apogee	29	9	32	10	4	30	5	50	6	11	5	51	6	15	5	53	

Month of our
for 1855.

Monthly
Raugs.

1.747
1.151
1.300
1.230
0.801
0.793
0.680
0.649
0.741
0.740
1.217
0.950
1.000

Ephemeris of the Planets, &c.

Day Mo.	Venus South Morn.	Mars South Even.	Jupiter South Morn.	Saturn South Morn.	Sun's Longi- tude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupiter Right Ascen.	Saturn Right Ascen.	Venus Decl. South.	Mars Decl. North.	Jupiter Decl. South.	Saturn Decl. North.
1 ...	8 47	7 1	5 13	1 13	249 16	24	13 26	11 40	21 54	5 51	6 35	4 16	13 57	22 12
7 ...	8 46	6 48	4 52	0 47	255 16	55	13 48	11 51	21 57	5 49	8 18	3 7	13 40	22 12
13 ...	8 45	6 36	4 32	0 22	261 17	22	14 12	12 2	22 0	5 47	10 7	2 0	13 26	22 12
19 ...	8 46	6 23	4 12	Even.	267 18	48	14 36	12 13	22 4	5 45	12 6	0 56	12 59	22 12
25 ...	8 48	6 9	3 53	11 26	273 25	18 17	15 2	12 23	22 8	5 43	14 7	S. 5	12 36	22 11
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Day of Month.	Day of Week.	Day of Year.	Calendar for Upper Canada and Nova Scotia.			Calendar for Lower Canada and New Brunswick.			DEPARTMENT FOR ALL OF UPPER AND LOWER CANADA.											
			Sun Rises.	Sun Sets.	Moon Rises.	Sun Rises.	Sun Sets.	Moon Rises.	Pole Star in Meridian Evening.	Shadow at Noon Morning.	Mn's Age Noon.	Moon South Morn.	Moon's Place at 7 P. M.	Sun's Declination South.						
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3	Mon.	337	7 18	4 22	1 17	7 30	4 10	1 0	8 17	42 11	49 58	23.9	7 24	♃	8 22	6 49				
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6	Thur.	340	7 21	4 22	4 57	7 33	4 10	4 10	8 5	53 11	51 12	26.9	9 20	do.	15 22	30 26				
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8	Satur.	342	7 23	4 22	Sets	7 35	4 10	Sets.	7 58	0 11	52 4	28.9	11 10	♂	11 22	43 59				
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11	Tuesd.	345	7 26	4 21	6 26	7 38	4 10	6 15	7 46	10 11	53 26	2.3	2 10	do.	23 23	0 57				
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13	Thur.	347	7 28	4 22	9 7	7 39	4 10	9 0	7 38	17 11	54 22	4.3	4 7	do.	21 23	9 58				
14	Friday	348	7 28	4 22	10 15	7 40	4 10	10 11	7 34	20 11	54 51	5.3	5 0	♁	6 23	13 48				
15	Satur.	349	7 29	4 22	11 40	7 40	4 10	11 38	7 30	23 11	55 20	6.3	5 50	do.	20 23	17 9				
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24	Mon.	358	7 34	4 26	5 27	7 46	4 14	5 17	6 54	54 11	59 47	15.3	43	do.	21 23	26 15				
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27	Thurs.	361	7 35	4 28	8 44	7 46	4 16	8 39	6 43	3 12	1 17	18.3	3 15	do.	28 23	20 49				
28	Friday	362	7 35	4 29	9 47	7 47	4 17	9 43	6 39	7 12	1 45	19.3	3 59	♄	10 23	18 4				
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Prob. 32.—The sum of two numbers is 15, and the sum of their fifth powers is 66825. Required those numbers.

Prob. 33.—With what velocity must a body be projected into a well 400 feet deep, that it may reach the bottom in two seconds?

Prob. 34.—Required the least number of weights, and the weight of each, that can weigh any number of pounds, from 1 to 100.

Prob. 35.—Required two whole numbers, whose sum shall be a cube, and whose product and quotient shall each be a square.

Statistics of Canada.

We copy the following highly interesting paper from the *Canadian Journal* for June, 1851:—

In the year 1840, a paper was published in the British Colonist, headed "Lands and Population in the United States and Upper Canada." The author of that document now brings it again before the public in the *Canadian Journal*. He conceives that its republication *in extenso* will be interesting in the present history of this province, if accompanied by a statement and remarks applicable to the period, and showing how far the expectations entertained fourteen years since have been realised. Those assumed results in 1840 were considered by many people as visionary, and based upon imperfect data. The period selected for the application of the principle set forth in the paper referred to, is from the year 1840 to 1852, and consequently freed from the beneficial influences of the railroads and other great improvements now in progress, and which must necessarily operate in an extraordinary manner in promoting an increase to our population, wealth and importance.

It was desired to follow out the consequences of the increased population, as bearing upon the quantity of land placed under cultivation, and showing also its greatly enhanced value. And this would have been an extremely interesting subject, the reasoning under Section III, being so very applicable to the actual position of Canada in reference to Great Britain; but there is at present no sufficient reliable data upon which to proceed with safety. It is not apart, however, from the subject, therein treated upon, to exhibit the advantages the province has derived upon a pecuniary point of view from the migratory emigration passing through this country.

It was only in the year 1831 that a systematic arrangement was made by the Canadian Government for receiving, arranging, and recording the number of emigrants which flocked to our shores, and it was not till after the devastation caused by cholera in 1832 and 1834 that the absolute necessity appeared of affording Government assistance (first by money and afterwards by superintendence) in the spreading of settlers, placing new centers amongst our population, and the rapidly pushing forward of those who made the passage by Quebec and our great Lakes their highway to the Western States. Since that time the most accurate registration of the numbers of emigrants has been kept, and the strenuous exertions of the Government have been directed to promote the rapid settlement or passage, as the case might be, of the newly arrived emigrants.

It was important, in every respect, to ensure a quick passage through our Lakes, rendering the route a favourite one to those bound for the far west, and who were thus benefitted to a great extent by their transit. Speedy dispersion and settlement in Canada was still more important, not only in a sanitary point of view, but as it placed those who could ill spare the time in looking for employment at once amongst their employers, and enabled them to send aid to the British Isles, to assist their friends requiring aid to follow them.

The benefits as to increase in population which Upper Canada has derived from emigration have been overrated, and the amount of transient emigration which has used our canals and lakes and river navigation has been very little understood—nor could it be, until by the results of the census, we could form even a speculative opinion as to the numbers which had passed through the province.

The entrance of the emigration through the water gate of Quebec gave us, to a fraction, the arrivals; but it required time and the official census to ascertain how many of those who arrived, remained as settlers, contributing to our prosperity, and how many merely benefitted us by the expenditure of their cost of passage through our waters. As we said before, it was easy to number the arrivals at Quebec, and to follow them through the St. Lawrence; but once on the Lake, information upon their future routes became almost inaccessible, for the outlets were too numerous to be watched, and the course of the emigration could only be guessed at.

Not to go too far back and tire our readers—it will be sufficient for our purpose if we start from the year 1840. The number of emigrants arrived since then are as follows, viz.:—

In the year 1840.....	21,100
" 1841.....	28,037
" 1842.....	44,374
" 1843.....	20,142
" 1844.....	25,375
" 1845.....	23,253
" 1846.....	22,736
" 1847.....	20,150
" 1848.....	27,039
" 1849.....	28,494
" 1850.....	22,292
" 1851.....	41,074

The population of Upper Canada was in 1840, 400,600. Now, if we yearly add to this amount the number of emigrants arrived in the Province, and deal with them in conformity with the principle of the above-mentioned table, the result will show us whether the opinions hitherto entertained, namely, that nearly, if not quite all, who arrived remained, or that, if some did pass on, their numbers were made up by emigrants from the States, was well grounded or not.

The result we arrive at is 1,229,214—showing that the before-named opinion would be incorrect, as had those numbers remained in the province, the actual population should be 277,210 more than is given in the census.

We must therefore try again, and assume that one-half of the emigration settled in Canada, and the other half passed on, or died on their passage, and make the calculation accordingly.

The result, according to the principle of calculation laid down in 1840, shows that the population of Upper Canada should have been in the year 1852, 962,238, whereas the official census shows it to be 952,004.

Thus it appears that the anticipations entertained fourteen years since, fall short in amount to the extent of 10,234 only, thus establishing with extraordinary accuracy the correctness of the rule laid down in the year 1840, and more particularly so, if, as is believed, the census is imperfect, and that a precise return would have exhibited the number of our population to be considerably larger than is set down in that official statement.

The table also proves that one-half only of the emigrants who have arrived in Canada since 1840 to 1852, have made this province their permanent abode, a result which may astonish those who have not considered the subject under all the circumstances bearing upon it.

With respect to the one half of the emigrants who have passed on to the United States (excepting those who have perished from fever or cholera, being, it is hoped, only a small proportion of the number), the benefit of the cost of their passage through our waters is all they have left to us, but as this on the average has been £1 6s. 3d. per head, exclusive of provisions, from Quebec to Buffalo, it amounts to £308,672 15s. 0d., add thereto 15s. per head for provisions, &c., and we have a sum total expended in this province, during twelve years, by this transitory people, of £485,345 15s. 0d.

The emigration of 1852 was 39,176. In the last calculation, viz., of the advantages derived to the province by the passage of that portion of emigrants who have passed through, we make use of one-half that number as they have actually benefitted the province by the cost of their transport; but in the former calculation, the emigration of 1852 is not included.

Since this document has been framed, the official returns of immigration of the past year (1853) have been issued in England, which show the arrivals in Canada to have been 36,699 souls, of which 11,504 passed through to the United States; 200 of the Norwegians destined for Wisconsin accepted employment at Hamilton. It is also assumed in the returns that 5000 immigrants arrived in the United States for Canada; and a number of railway labourers had passed on to Canada, attracted by the abundant employment at high wages in the province, and the cessation of work in the Western States.

There is something (De Toqueville observes) extremely grand and solemn in watching "this great wave of population," which annually takes its rise in the heart of Europe, rolls across the Atlantic Ocean, and, after breaking upon the shores of North America, swells the current of another and mightier stream, which has flowed onward until it has partially peopled the almost boundless regions of the

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LANDS AND

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* "Cor † "Do ‡ See t

"Far West," and reached the coasts of the Pacific. There are but few passages in English poetry more beautiful than that written by Wordsworth about forty years since, when the "Bees" that left the "thronged lives of Britain," were few in number, and the "new communities" they were forming were comparatively unimportant and feeble, nor do we think we can do better than close these few remarks by quoting the lines referred to:—

"As the element of air affords

An easy passage to the industrious bees,
 Fraught with their burdens; and a way as smooth
 For those ordained to take their sounding flight
 From the thronged hive, and settle where they list—
 In fresh abodes their labour to renew;
 So the wide waters open to the power,
 The will, the interests, and appointed needs
 Of Britain, do invite her to cast off
 Her swarms; and, in succession, send them forth,
 Bound to establish new communities
 On every shore whose aspect favours hope,
 Or bold adventure; promising to skill
 And perseverance their deserved reward.
 Change, wide and deep, and silently perform'd,
 This land shall witness; and, as days roll on,
 Earth's universal frame shall feel the effect,
 Even to the smallest habitable rock
 Benton by lonely willows, hear the songs
 Of harmonized society, and bloom,
 With civil arts that send their fragrance forth,
 A grateful tribute to all-ruling Heaven.

Book IX., Excursions.

Lyndhurst, Toronto, 1st June, 1854.

LANDS AND POPULATION IN THE UNITED STATES AND UPPER CANADA.

[Extract from a Tract written and published in the year 1798, by a gentleman who held an important official situation in the Government of the United States, entitled "Facts and Calculations respecting the Population and Territory of the United States of America.]"

Section I.—Of the Population of the United States.

It is well known that, about a century ago, the country which now composes the United States of America, contained but a few thousand civilized inhabitants, and that now the same country contains four or five millions.

But the causes of this vast increase in numbers seem not to be equally well understood. It is believed that many persons still suppose the population of America to be chiefly indebted for its growth to emigration from other countries, and that it must become stationary when they cease to take place. Some facts and calculations will be here set down, to ascertain the ratio of the natural increase of the inhabitants of America, and to show that the great progress of wealth and population in that country is chiefly derived from internal causes, and of course less liable to interruption from without.

The highest estimate that is recollected of the number of inhabitants removing to America in any one year supposes the number to be 10,000.* If the same number had removed every year since the first settlement of the country, it would make the whole amount to 1,600,000. But it is to be remarked, that this estimate was made for a period when emigrations were unusually numerous—that during the many years of war which have taken place they have been very few; and that in former years, when the number of emigrants was complained of as an evil, it was not reckoned so high.† We may, therefore, suppose that 5000 persons per annum is a liberal allowance for the average number of persons removing to America since its first settlement. This in the year 1790, would amount to 800,000 persons. At the end of 1790, and beginning of 1791, there were enumerated in the general census the number of 4,993,412 inhabitants.‡ As some places were not enumerated at all, and from others no return was made, there can be little doubt but the actual number then was something more than 4,000,000. Supposing them to have increased so as to have doubled their numbers once in twenty years, then in the several preceding periods of twenty years since the year 1630 the numbers would stand thus:—

At the end of 1700.....	4,000,000
" " 1720.....	2,000,000
" " 1740.....	1,000,000
" " 1760.....	500,000
" " 1780.....	250,000
" " 1800.....	125,000
" " 1820.....	62,500
" " 1840.....	31,250
" " 1860.....	15,625

But as this last date reaches back to the infancy of the first settlements in North America, it can hardly be supposed that they contained so many as fifteen thousand inhabitants. It follows, therefore, that they must have doubled their numbers oftener than once in twenty years; that is, that they must have increased faster than at the rate of 5 per cent., compounding the increase with the principal at the end of every twenty years.

To determine how far this rate of increase is justified by other facts, some pains have been taken to ascertain and compare the number of inhabitants at different periods, viz., 1750, 1774, 1780, and 1791.

Here follows the estimate and the results, showing that in the year 1750, the total of inhabitants in the thirteen colonies was 1,179,259—1790, the whole number in the thirteen States, 4,000,000 being about 34-10 times the number of 1750. If this increase be computed in the manner of simple interest, it affords a ratio of 5-98, or very nearly 6 per cent., or in the manner of compound interest, of between 3 and 3½ per cent. Any number increased in the compound ratio of 3 per cent. per annum, is doubled in about 23½ years, and at 3½ per cent., in about 20 years; that is, it is equal to 5 per cent. simple increase for the same period.

In 1782 a return was made to Congress of the inhabitants in the several States, by which there appeared to be 2,389,300. This return was then believed to be accurate, for it was made the rule for the assessment of public burthens among the States; but, in 1784, the accuracy of it was attacked by Lord Shelbourn, who affirmed it was too great. It is in fact, as much too great as he supposed, then the increase of numbers from that time to 1790 must have exceeded all credibility. But allowing it to have been accurate, the

Difference between the number, 1790.....	4,000,000
And the number, 1782.....	2,389,300
Is.....	1,610,700
From this deduct for emigrants, viz. 10,000	
Emigrants per annum for 9 years.....	90,000
Increase of ditto at 5 per cent 4½ years 20,250	
	110,250

Natural increase in 9 years..... 1,500,450

which calculated upon the number of inhabitants returned in 1782, gives the astonishing natural increase of 6-97, or very nearly 7 per cent. per annum.

From these statements, compared with each other, it appears that in the year 1790 the actual increase of inhabitants in the United States, beyond the number ever imported,* must have been 3,200,000, or, after the most liberal allowances, at least 3,000,000; that the whole rate of increase upon the numbers at any given period has been more than 5 per cent., and, deducting for emigrations, that it has been equal to about 5 per cent. for any twenty years successively, or 3½ per cent. compound increase for any period that has yet elapsed.

But it may be said, no inference as to the future population of America can be derived from these facts, because, as the country becomes more thickly settled, the increase will be slower. We have an opportunity of examining what weight the objection possesses.

The Eastern States are the most thickly inhabited. The greater part of the emigrations from them have been either to other States in New England, or to the State of New York.

In 1750, New England and New York together contained 444,000—in 1790, 1,348,942, having more than trebled their numbers in 40 years, and increased during all that period at the rate of more than 5 per cent. upon their original number, and in the compound ratio of nearly 3 per cent.; and as many more persons have emigrated from these

* "Cooper's Information," &c.
 † "Douglas's Summary," vol. ii., p. 36.
 ‡ See the Census of 1791.

* Various authorities are quoted from which these data are taken.

States than have come into them from abroad, all this, and something more, is their natural increase.

In 1750, Massachusetts contained 32 persons, and in 1790, about 60 persons to each square mile;

In 1750, Connecticut contained 20 persons, and in 1790, about 50 persons to each square mile;

In 1750, Rhode Island contained about 23 persons, and in 1790, about 52 persons to each square mile; so, that, besides the numerous emigrants these States have sent forth, they have more than doubled their numbers in 40 years, and nearly trebled them since they contained 20 persons to each square mile.

Mr. Jefferson took some pains to prove that the inhabitants of Virginia doubled their numbers once in 27½ years. He also proved, by an ingenious calculation, that in 1782, the numbers in Virginia were 567,614; in 1790, the same country (part of which made the State of Kentucky) contained 821,287, giving an increase of 496,100, or very nearly 5 per cent., and doubling their numbers, not in 27½ years, as Mr. Jefferson sought to prove, but in less than 24 years. Virginia (exclusive of Kentucky) added about 180,000 to its numbers between 1782 and 1790, the period when the numerous emigrations to Kentucky caused so great a drain upon its population.

In 1780, the number of militia west of Blue Ridge in Virginia was 11,440; which, multiplied by four, gives for the number of inhabitants 45,760. In 1790, the same county contained 151,235, those counties having more than trebled their numbers in ten years.

The writer then proceeds to say, it is to be observed that these facts (and many more of a similar tendency might be adduced) are drawn from the former and least prosperous state of America, and from periods which were either absolutely those of public calamity, or at best were not those of national prosperity; yet, it is apprehended they sufficiently prove that the inhabitants of the United States increase at least as fast as at the compound ratio of 3½ per cent.; that should foreigners cease to remove there, it would not prevent more than 1-15 or 1-20 of this increase, and that there are as yet no symptoms of this rate of increase being at all diminished by the crowded population of the country. The United States must contain 18,000,000 of people to equal the average of New England, and 55,000,000 to equal the rate of population in Massachusetts and Connecticut.

The causes of this great increase of population, so peculiar to America, might be readily and satisfactorily explained by a review of the state of manners, society, property, &c. in that country. This discussion is, however, unnecessary for the object entertained.

Here follow the calculations showing the increase of population since 1790 to 1797, at the ratio of 3½ per cent. per annum, compounding the increase with the principal every year. They result in exhibiting that the population of the United States in 1797 was 5,088,890.

Section 2.—On the Territory of the United States.

From the statements in Section I., it appears that the increase of the inhabitants of the United States is in the compound ratio of about 3½ per cent, and that at the end of 1797 their numbers were 5,088,890. The territory of the United States has been usually reckoned, after Mr. Hutchins, as equal to a tract of 1,000,000 square miles.

This computation, though probable too large, will be followed.

It gives in acres 640,000,000; from which deduct for water 51,000,000, and there remains of land 589,000,000. Of this quantity it is known that about 220,000,000 are contained in the territory north-west of the river Ohio, and is nearly all of it uninhabited. Of the 369,000,000 which remain, it is difficult to form any just estimate as to the proportion of the inhabited and appropriated parts of those which are not so. It is, however, thought reasonable to suppose that, in America, whenever any part of the country has acquired a population of about 20 persons to the square mile, or 150 to 200 acres to a family, that then the land must there have acquired nearly the average price of cultivated land, and the surplus population will incline to emigrate. Assuming this as a rule, the lands in the United States so occupied would, in 1796, be 157,337,664—remains, 211,662,336, a great part of which is inhabited in some degree. The remainder is owned by States and individuals, and much of it not for sale. Add for the North

West territory 220,000,000 Land of all kinds yet to be settled, 431,662, 336.

The increase of the population of the United States, calculated upon the principles established in Section I., will, if applied to the settlement of new lands, at the rate of 20 persons to each square mile, or 32 acres each person will occupy the lands of the United States in the proportion, and at the periods following viz :—

Year.	Number of Inhabitants.	Acres of Land occupied by the increase.	Acres of Land remaining unoccupied.
1796	4,916,802	.....	431,662,336
One year's increase	.....	5,506,811	.....
1797	5,088,890	.....	426,155,520
Ten ditto	.....	66,863,712	.....
1807	7,178,381	.....	359,291,808
Ten ditto	.....	94,317,856	.....
1817	10,125,814	.....	264,973,952
Ten ditto	.....	133,944,704	.....
1827	14,223,461	.....	131,929,248
Seven ditto	.....	131,929,248	.....
About 1834	18,406,150	.....	000,000,000

Section 3.—Of the Value of Lands.

It has usually been supposed that the great rise which has taken place in the value of American lands, has been produced by caprice or accident, and not derived from any fixed and certain sources of profit; but it is allowed that this rise in their value has been constant, and very great ever since the first settlement of the colonies, and during periods which were far from being those of public prosperity. Without taking advantage, however, of the present favourable state of public affairs, it will be attempted to show, from facts and calculations drawn from the former and least prosperous state of the country, that the great increase in the value of lands is derived from fixed and necessary causes existing in the country, and is, in a great measure, subject to strict calculation. The following calculation is founded upon these principles :—

1st. It is supposed to be proved in Section I., that the inhabitants of the United States increase in the compound ratio of 3½ per cent.
 2nd. It appears from the same Section that, at the end of the year 1796, the number of inhabitants in the United States is about 4,916,802.
 3rd. It appears from the statements in Section II., that the quantity of vacant lands in the United States is about 431,662,336 acres.

4th. Of consequence there are in the United States 1,139 persons to each 100,000 acres of new lands.

5th. It is supposed that new lands on an average are worth one dollar per acre; and that lands inhabited at the rate of twenty persons to the square mile, are worth thirteen dollars or three guineas per acre.

The following statement, therefore, shows the increasing value of any 100,000 acres (taken equal to the average) upon the principle that the increase of 1,139 persons may be applied to the settlement of it: and that as much land as they settle at the rate of twenty persons to the square mile is worth thirteen dollars or three guineas per acre.

It is not intended by the following statement to convey the idea, that the rise in the value of any particular tract of land will be in the exact proportion here mentioned. In many important instances in America it has been greater, in others, perhaps, less. But it is intended to show that the increase in the value of American lands is, in its nature, like that of compound interest; and that, assuming the very moderate ratio of 3½ per cent. for the increase of inhabitants, the general rise in the value of property resulting therefrom, is very far above the profit of capital in any of the ordinary ways of employing it. And it is to be remembered, that these statements being matters of arithmetical calculation, are not to be disproved except by disproving some of the premises on which they are founded.

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YEAR.	No. of Inhabitants.	Lands annually occupied by an increase of Inhabitants.	Value of 100,000 acres each year.		Value per Acre.	The same in Sterling.
			Dollars.	Dols. Cts.		
End of . . . 1790	1,139	40	100,000	1.00	0 4 6	
Increase,	40	1,280	16,540			
End of . . . 1797	1,179	41	116,640	1.35	0 5 2½	
Increase,	41	1,312	17,050			
End of . . . 1798	1,220	42	133,690	1.33	0 5 11¾	
Increase,	42	1,344	17,472			
End of . . . 1799	1,262	41	151,168	1.51	0 6 9½	
Increase,	41	1,468	18,301			
End of . . . 1800	1,306	46	160,472	1.60	0 7 4½	
Increase,	46	1,472	19,137			
End of . . . 1801	1,352	47	188,908	1.58	0 8 5½	
Increase,	47	1,504	19,552			
End of . . . 1802	1,399	49	208,106	2.02	0 9 4½	
Increase,	49	1,568	20,334			
End of . . . 1803	1,448	51	228,544	2.28	0 10 3	
Increase,	51	1,631	21,211			
End of . . . 1804	1,499	52	249,730	2.49	0 11 2½	
Increase,	52	1,661	21,632			
End of . . . 1805	1,551	54	271,392	2.71	0 12 2½	
Increase,	54	1,728	22,464			
End of . . . 1806	1,605	56	293,850	2.93	0 13 2¼	
Increase,	56	1,792	23,220			
End of . . . 1807	1,661		317,152	3.17	" 1 3	
" . . . 1808	1,719		341,280	3.41	0 15 4	
" . . . 1809	1,779		366,240	3.66	0 16 5½	
" . . . 1810	1,841		392,030	3.92	0 17 7½	
" . . . 1815	2,186		535,560	5.35	1 4 0¾	
" . . . 1820	2,596		706,110	7.06	1 11 9	
" . . . 1825	3,083		908,702	9.08	2 0 8¼	
" . . . 1830	3,663		1,352,894	11.52	2 12 10	
" . . . 1834	4,255		1,400,000	13.00	3 3 0	

It ought also to be remarked that this statement is burthened by the inclusion of all the lands in the United States, and, of course, of many millions which are not now for sale, and will not begin to be settled for many years. It is, therefore, much too moderate if considered with respect to the lands now in market.

The lowest price at which Congress sell the lands they offer for sale is two dollars per acre. The astonishing low prices of lands in America have hitherto been occasioned by the want of capital to invest in them. Only a few European capitalists have lately understood the subject; and nobody is ignorant of the immense advantages they have derived from it. The great increase of capital in America, together with the investments which Europeans are beginning to make in lands, will probably raise their value far above the rate at which it has increased at any former period.

Such a conclusion results not unnaturally from another consideration, which is this: The price of any commodity whatever, may be raised in two ways; either by diminishing the quantity for sale, or by increasing the demand. But the extension of settlements and the increase of wealth and population operate at once in both these ways upon American lands; not only diminishing the quantity for sale, but increasing the means and the eligibility of making further purchases and settlements.

The Republic, as is well known, consisted of thirteen States in 1790, viz.: Massachusetts, Maryland, New Hampshire, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, Delaware, Virginia, North Carolina, South Carolina, and Georgia. The preceding statement has, of course, reference to these thirteen enumerated States only; subsequently the Republic has been extended to twenty-

four States by the addition to the Union of the following eleven States, viz.: Maine, Vermont, Ohio, Tennessee, Mississippi, Indiana, Illinois, Missouri, Alabama, Louisiana, and Kentucky. To these might be added the territories of Michigan, Arkansas, Florida, and the District of Columbia.

In considering the accompanying statement and calculations founded thereon, although they may not at first view appear to have realised in 1834 the anticipations of the author, who penned them forty years since, many events and the consequences arising out of them have occurred, which have most materially affected the contemplated result: it may tend to illustrate the actual position of the case by bringing forward those events which bear in favor, and also those which bear against the statement, in favor of the statement:

For some time, especially during the wars with England in 1812 to 1814, there was scarcely any immigration into the United States. On the contrary, there were considerable emigrations from thence to Canada, &c., nor would a state of war tend to promote any natural increase of the population.

The vast extension of the dominions of the Republic by the acquisition of Florida, the annexation of other States and Territories since 1790, would necessarily postpone the settlement of all the lands in the manner anticipated, and also generally keep down their prices most materially.* But yet the average price of settled land is supposed to far exceed thirteen dollars, or three guineas per acre.†

Against the statement:
The population of the United States did not amount to 18,000,000 of inhabitants in 1831, being only 12,860,020 at the last census in 1820.‡

The number of immigrants into the United States has been very considerable during the last 20 years—especially during the last 10 years.

To draw these observations to a point, the object had in view in extracting and condensing the annexed statement (although sufficiently interesting in itself, if proved to be tolerably correct—due allowances being made for the unforeseen circumstances) was to endeavor to draw a parallel statement of the prospective position of Upper Canada, in a given number of years, founded upon accessible data.

§ The population of Upper Canada, in 1828, was 490,000 inhabitants.

¶ Within the actual limits of Upper Canada, between the parallels 41°, and 47°, and 49° of north latitude, there are 141,000 square statute miles.

Assuming that only that portion of the territory embraced by, and on the south of French River, Lake Nipissing, and the Ottawa River, is available or suitable for agricultural purposes, and that the territory beyond those limits will only be settled when the population of the south shall become very dense, and making allowance for the superficies covered by water, it will not be underrating the quantity of land at present considered available, in estimating it at about one-third less than the whole territory.

* In 1832, the public domain in the new States and Territories unsold, to which the Indian title had been extinguished, was estimated at	227,293,884 acres.
And the quantity in the same, to which the Indian title had not been extinguished, at	112,577,869
	340,871,753

The quantity of land beyond the limits of these States and Territories, has been estimated 750,000,000
1,090,871,753

—Pillin's Statistics of the United States, 1835.

† The average value of lands per acre (including buildings), according to the valuations in 1814 and 1815, ranged for each State from four dollars, the value of lands in Kentucky, to 39 dollars, the value of land in Rhode Island. The average value in 1814 of lands throughout the United States was about ten dollars per acre.—Pillin's Statistics.

‡ According to the rate of increase upon the previous census in 1820, which gave an increase of 3,227,839 souls, the population might probably have been in 1834, 15,000,000 inhabitants.

§ The population of Upper Canada, according to the census for

1811 was 77,000	1827 was 170,059
1824 . . . 151,000	1828 . . . 183,526
1826 . . . 163,702	1830 . . . 215,000

¶ Vide Bouchette.

tory, but say, for the purpose of this statement, at 100,000 square statute miles.*

Thus it appears there are now 160 acres to each inhabitant.

A recent intelligent Canadian writer considers the territory suitable for settlement at 35,326,400 acres, after deducting 16,000,000 for water.

Thus it appears there are 88 1/4 acres to each inhabitant.

The annexed table will show that to settle the 100,000 square statute miles, or the 64,000,000 statute acres in the proportion of 20 persons to a square mile, or 32 acres to each individual, will require 2,000,000 inhabitants.

It will take 47 years, unassisted by immigration, compounding the natural increase with the principal, at three-and-a-half per cent. per annum, to settle 100,000 statute miles.

49 years	assisted annually by 5,000 immigrants.
55 ditto	ditto 10,000 ditto.
32 ditto	ditto 15,000 ditto.

23 years, assisted annually by 20,000 immigrants.
29 ditto ditto 25,000 ditto.
The table will also show the number of years it will take to settle in a like manner the 35,326,400 acres, and which will require 1,103,950 inhabitants.

It will take 30 years unassisted by immigration.
25 years assisted annually by 5,000 immigrants.
21 ditto ditto 10,000 ditto.
18 ditto ditto 15,000 ditto.
16 ditto ditto 20,000 ditto.
15 ditto ditto 25,000 ditto.

It is not considered necessary to extend this statement by entering upon the calculations as to the increased value given to lands, by being settled in the manner laid down, as there is no correct data within reach as to the average value of wild land, and that of land settled in the ratio established; but should these points be ascertained, the calculations would be very simple, although tedious from their number, were they pursued to each year mentioned in the table.

TABLE

Showing the Annual Increase of Inhabitants in Upper Canada to the year 1847, and subsequent periods mentioned, until they reach 2,000,000 souls, at three-and-a-half per cent. per annum, compounding the increase with the principal :

Unassisted by Emigration.		Assisted annually by 5,000 Emigrants.		Assisted annually by 10,000 Emigrants.		Assisted annually by 15,000 Emigrants.		Assisted annually by 20,000 Emigrants.		Assisted annually by 25,000 Emigrants.	
Year.	Inhabit's.	Year.	Inhabit's.	Year.	Inhabit's.	Year.	Inhabit's.	Year.	Inhabit's.	Year.	Inhabit's.
1838,	400,000	1838,	490,000	1838,	400,000	1838,	400,000	1838,	400,000	1838,	400,000
	14,000		19,000		21,000		20,000		34,000		39,000
1839,	414,000	1839,	419,000	1839,	424,000	1839,	429,000	1839,	434,000	1839,	439,000
	14,400		19,600		24,840		30,015		35,190		40,365
1840,	428,400	1840,	438,665	1840,	448,840	1840,	459,015	1840,	469,190	1840,	479,365
	14,997		20,353		25,709		31,065		36,421		41,777
1841,	443,487	1841,	459,018	1841,	474,549	1841,	490,080	1841,	505,611	1841,	521,142
	15,522		21,065		26,609		32,152		37,696		43,239
1842,	459,009	1842,	480,083	1842,	501,158	1842,	522,232	1842,	543,307	1842,	564,381
	16,065		21,802		27,540		33,278		39,015		44,753
1843,	475,074	1843,	501,885	1843,	528,098	1843,	555,510	1843,	582,322	1843,	609,134
	16,027		22,565		28,504		34,442		40,381		46,319
1844,	491,701	1844,	524,450	1844,	557,202	1844,	589,952	1844,	622,703	1844,	655,453
	17,209		23,355		29,502		36,648		41,794		47,940
1845,	508,910	1845,	547,805	1845,	586,704	1845,	625,600	1845,	664,497	1845,	703,393
	17,811		24,173		30,534		36,896		43,257		49,618
1846,	526,721	1846,	571,978	1846,	617,238	1846,	662,496	1846,	707,751	1846,	753,011
	18,433		25,019		31,603		38,187		44,771		51,355
1847,	545,150	1847,	594,997	1847,	648,841	1847,	700,685	1847,	752,528	1847,	804,369
To 1850, } 10 years, }	742,987	To 1850, } 10 years, }	865,489	To 1850, } 10 years, }	987,984	To 1850, } 10 years, }	1,110,480	To 1850, } 10 years, }	1,232,980	To 1850, } 10 years, }	1,355,476
To 1865, } 10 years, }	1,012,609	To 1865, } 10 years, }	1,231,402	To 1865, } 10 years, }	1,450,200	To 1865, } 10 years, }	1,668,993	To 1865, } 10 years, }	1,887,789	To 1864, } 9 years, }	2,011,191
To 1874, } 10 years, }	1,380,078	To 1874, } 10 years, }	1,730,112	To 1873, } 9 years, }	2,000,150	To 1870, } 9 years, }	2,062,077	To 1867, } 3 years, }	2,062,940		
To 1883, } 10 years, }	1,880,901	To 1878, } 5 years, }	2,006,415								
To 1885, } 3 years, }	2,014,867										

If the number of inhabitants in any given year be multiplied by 32, it will show the number of acres settled; or, if it be divided by 20, it will give the number of statute miles settled.

The following table, given by Baron Ch. Dupin in his

"Forces Productives et Commerciales de la France," showing the rate of increase in the population of the principal States of Europe, is highly curious, and may not be irrelevant to this statement.

* The number of acres under agricultural improvement in 1828 did not exceed 570,000 acres.—(Vide Bouchette.)
† T. Neilson, "Prize Essay."

‡ The population in 1838 being 400,000 inhabitants would thus settle 12,800,000 acres.

Annual period increased by the Prussians and Britons

Her Majesty's Duke of the 20th Augustburg and Victoria-1849; A. b. Aug. Louis-C. Albert, b. April 25, Frederick (King of Greece) b. March 11, June Mecklenburg, 27, 1833. 8, 1850, daughter of 25, 1797. Mother of Emperor of France, who died 11, 1820. 2nd, May 23, 1820. Mother of Belgians.

Governor Head, and Captain of the Province of the Island same. P.

President Attorney Provincial Attorney Inspector Commissary Receiver Chief of Postmaster Speaker Chief of Province Provincial Secretary East; T. Receiver General;

* This in 1827, a 1811 to 18 Ireland if the period Von Ma be two average

Annual increase upon each million of inhabitants, and period in which the population would double itself if the increase continued uniform:	
Increase in 1,000,000 inhabitants. Period of doubling.	
Prussia, . . . 27,027	23 years.
Britain, * . . 10,667	42 "

Netherlands, 12,372	56 1/2 "
Two Sicilies, 11,111	63 "
Prussia, . . . 10,527	66 "
Austria, . . . 10,114	69 "
France, . . . 6,536	105 "

THE ROYAL FAMILY, &c.

HER MOST EXCELLENT MAJESTY (ALEXANDRINA-) VICTORIA. By the Grace of God, of the United Kingdom of Great Britain and Ireland Queen, Defender of the Faith. Her Majesty, the only child of His Royal Highness Edward Duke of Kent, fourth son of King George III., was born on the 24th of May, 1819; succeeded to the Crown on the demise of her uncle, his late Majesty William IV., on the 20th June, 1837, and married Feb. 10, 1840, Francis-Albert-Augustus-Charles-Emmanuel, Duke of Saxe, Prince of Coburg and Gotha, who was born August 26, 1819. Issue: *Victoria-Adelaide-Mary-Louisa, Princess Royal*, b. Nov. 21, 1840; *Albert-Edward, Prince of Wales*, b. Nov. 9, 1841; *Alfred-Maud-Mary*, b. April 25, 1843; *Alfred-Ernest-Albert*, b. Aug. 6, 1844; *Helena-Augusta-Victoria*, b. May 25, 1846; *Louisa-Caroline-Alberta*, b. March 18, 1848; *Arthur-William-Patrick-Albert*, b. May 1, 1850; *Leopold-George-Duncan-Albert*, b. April 7, 1853.

Aunt of the Queen.—MARY, Duchess of Gloucester, b. April 25, 1776; married July 22, 1816, her cousin William-Frederick, Duke of Gloucester, who died Nov. 30, 1834.

Cousins of the Queen.—GEORGE, Duke of Cumberland (King of Hanover), b. May 27, 1819.

GEORGE-WILLIAM-FREDERICK-CHARLES, Duke of Cambridge, b. March 26, 1819, suc. 1850; AGUSTA, b. July 19, 1822, m. June 28, 1843, Frederick, Hereditary Grand Duke of Mecklenburg-Strelitz, and has issue: MARY, b. November 27, 1833. Their father, Adolphus-Frederick, who died July 8, 1859, was b. Feb. 24, 1774; mar. May 7, 1818, Augusta, daughter of Frederick, Landgrave of Hesse-Cassel, b. July 25, 1757.

Mother of the Queen.—VICTORIA, Duchess of Kent, daughter of Francis, Duke of Saxe-Cobourg, b. August 17, 1786; m. 1st, Dec. 21, 1803, Emich-Charles, Prince of Leiningen, who died July 4, 1814. Issue, Charles, Prince of Leiningen, b. September 12, 1804; Princess Feodora, b. Dec. 7, 1807, m. May 24, 1818, Edward, Duke of Kent, who died Jan. 23, 1829. Issue, The Queen.

Maternal Uncle of the Queen.—LEOPOLD I., King of the Belgians.

HER MAJESTY'S MINISTERS.

- First Lord of the Treasury (Prime Minister)*, Earl of Aberdeen.
- Chancellor of the Exchequer*, W. E. Gladstone.
- Lord Chancellor*, Lord Cranworth.
- Lord President of the Privy Council*, Earl Granville.
- Lord Privy Seal*, Duke of Argyll.
- Home Secretary*, * * * * *
- Foreign Secretary*, Earl of Clarendon.
- Colonial Secretary*, Duke of Newcastle.
- First Lord of the Admiralty*, Sir James Graham.
- President of the Board of Control*, Sir C. Wood.
- Secretary at War*, Hon. Sidney Herbert.
- First Commissioner of Works, Palaces, & Public Buildings*, Sir William Molesworth.
- Marquess of Landsdowne*.
- Lord John Russell*.

THE ABOVE COMPOSE THE CABINET.

- Postmaster-General*, Viscount Canning.
- President of the Board of Trade*, Edward Cardwell.
- Vice-President and Paymaster-general*, Lord Stanley of Alderley.
- Chancellor of the Duchy of Lancaster*, Edward Strutt.
- Commander-in-Chief*, Viscount Hardinge.
- Master-general of the Ordnance*, Lord Raglan.
- Lord Chamberlain*, Marquess of Breadalbane.
- Lord Steward*, Duke of Norfolk.
- Master of the Horse*, Duke of Wellington.
- Master of the Duchies*, Earl of Bessborough.
- Comptroller of the Household*, Viscount Drumlanrig.
- Lord Lieutenant of Ireland*, Earl of St. Germans.
- Chief Secretary for Ireland*, Sir John Young.
- Attorney-general of England*, Sir A. J. E. Cockburn.
- Solicitor-general of England*, Sir Richard Bethell.
- Lord Advocate of Scotland*, James Moncrieff.
- Solicitor-general*, James Craufurd.
- Attorney-general of Ireland*, A. Brewster.
- Solicitor-general*, William Keogh.

PROVINCE OF CANADA.

SEAT OF GOVERNMENT—QUEBEC.

GOVERNOR GENERAL.—His Excellency Sir Edmund Walker Head, Bart., Governor General of British North America, and Captain General and Governor-in-Chief in and over the Provinces of Canada, Nova Scotia, New Brunswick, and the Island of Prince Edward, and Vice Admiral of the same. Private Secretary, — Oliphant, Esq.

EXECUTIVE COUNCIL.

President of the Council—Hon. Sir Allan McNab.
Attorney General East—Hon. L. T. Drummond.
Provincial Secretary—Hon. P. J. O. Chauveau.
Attorney General West—Hon. John A. McDonald.
Inspector General—Hon. W. Cayley.
Commissioner of Crown Lands, Hon. A. N. Morin.
Receiver General, Hon. E. P. Tache.
Chief Commissioner Public Works, Hon. Jean Chabot.
Postmaster General, Hon. Robert Spence.
Speaker Legislative Council, Hon. John Ross.
Chief Clerk of the Executive Council, Wm. H. Lee.
 PROVINCIAL SECRETARY'S OFFICE.—Hon. P. J. O. Chauveau, Provincial Secretary; Edmund A. Meredith, Assistant Secretary, West; Etienne Parent, Assistant Secretary East; T. D. Harrington, Chief Clerk.
 RECEIVER GENERAL'S OFFICE.—Hon. E. P. Tache, Receiver General; C. E. Anderson, Confidential Clerk.

INSPECTOR GENERAL'S OFFICE.—Hon. William Cayley, Inspector General; Joseph Carey, Deputy Inspector General; Matthew Ryan, Confidential Clerk.

CUSTOMS BRANCH.—R. S. M. Bouchette, Commissioner of Customs; A. S. Menzies, 1st Clerk; T. Worthington, Inspector of Custom Houses.

CROWN LAW DEPARTMENT.—Hon. L. T. Drummond, Attorney General East; Hon. John A. McDonald, Attorney General West; Hon. Dunbar Ross, Solicitor General East; Henry Smith, Solicitor General West; George Futvoje, Permanent Law Clerk, East.

PUBLIC WORKS DEPARTMENT.—Hon. Jean Chabot, Chief Commissioner; Hon. H. H. Killaly, Assistant Commissioner; Thomas A. Begly, Secretary.

CROWN LANDS DEPARTMENT.—Hon. A. N. Morin, Commissioner.

SCREVEY DEPARTMENT, C. E.—Joseph Bouchette, Surveyor and Draftsman; E. F. Fletcher, 2nd do.; P. L. Morin, 3rd do.; Charles J. Bouchette, Extra Draftsman; W. F. Collins, Accountant; Jean Langevin, Chief Corresponding Clerk; Thomas Hammond, Registrar.

JESUIT'S ESTATES AND ROYAL DOMAIN.—Felix Fortier, Clerk; F. T. Judah, Assistant Clerk.

SCREVEY DEPARTMENT, C. W.—Andrew Russell, Surveyor and Draftsman; Thomas Devine, Assistant do.; William Sprague, Chief Clerk.

ACCOUNT BRANCH.—W. Ford, Accountant; Correspondence —J. C. Tarbutt, Clerk; D. G. McLellan, Extra Clerk.

BOARDS FOR THE EXAMINATION OF PROVINCIAL LAND SURVEYORS.—*Lower Canada Board*—The Hon. The Commissioner of Crown Lands, *ex officio*; Joseph Bouchette and Andrew Russell, Senior Surveyors and Draftsmen, Crown Lands Department; — Adolphus Larue, Quebec; Charles François Fornier, St. Jean Port Joli;

* This estimate is made upon the population of Europe in 1827, and as respects Great Britain is rather high; from 1811 to 1821 the increase was about 13,700 for Britain; for Ireland it might be about 20,000; and for both 15,800, and the period of doubling 45 years.

Von Malchus states the annual increase in all Europe to be two per cent., on about 215,000,000 inhabitants—the average issue of marriages four children.

William Ware Quebec; Joseph Hamel, Quebec, and John Ostel, Montreal, Provincial Land Surveyors; Secretary, E. T. Fletcher, Quebec. *Upper Canada Board*.—The Hon. The Commissioner of Crown Lands, *ex officio*; Joseph Bouchette and A. Russell, Senior, Surveyors and Draftsmen, Crown Lands Department; John Booth, Elizabethtown; Publius V. Elmoro, Belleville; David Gibson, Township of York; W. Hawkins, Toronto; John Stoughton Dennis, Weston; and John Knatchbull Roche, Port Hope, Provincial Land Surveyors; Secretary, F. F. Passmore, Toronto.

MILITIA DEPARTMENT.—Lieut. Col. D. G. Macdonell, Deputy Adjutant General Militia, West; Lieut. Col. A. de Salaberry, Deputy Adjutant General Militia, East.

PROVINCIAL REGISTRAR'S OFFICE.—T. Amlot, D'y Prov. Reg.

INDIAN DEPARTMENT.—Superintendent General of Indian Affairs, The Governor General's Secretary; Colonel Napier,

Visiting Superintendent, C. E.; S. Y. Chesley, Assistant Secretary and Accountant; Visiting Superintendent, C. W. J. B. Clench, London; T. G. Anderson, Cobourg; do. do., Manitoulin Islands, George Innes; Interpreter, East, Isaac Glasson; do West, Francis Asekinaek; Manitoulin Islands, Fred. A. O'Meara, L.L.D. Missionary; James Lawson, School Master; — Jamleson, S. J., It. C. Schoolmaster, Wequamecong; Surgeon, D. S. Layton.

GENERAL POST OFFICE.—Hon. Robert Spence, Postmaster General; William H. Griffin, Secretary; E. J. King, Accountant; Edward S. Freer, Surveyor, C. E., Montreal; John Dowe, Surveyor, C. W., Toronto; H. A. Wicksteed, Surveyor, Central Canada, Kingston.

GEOLOGICAL SURVEY.—W. E. Logan, Provincial Geologist; Alexander Murray, Assistant do., T. S. Hunt, Chemist. (This Office is at Montreal.)

LEGISLATIVE COUNCIL OF CANADA.

Hon. JOHN ROSS, Belleville, Speaker.

- NAMES & RESIDENCES.**
 Hon. P. B. DeBlaquier, Toronto.
 " Peter McGill, Montreal.
 " W. Morris, Montreal.
 " J. Crooks, Flamboro West.
 " A. Fergusson, Flamboro East.
 " J. Macaulay, Kingston.
 " J. Hamilton, Kingston.
 " A. Ferrie, Montreal.
 " P. H. Knowlton, Bromo.
 " T. McKay, New Edinburgh.
 " P. H. Moore, St. Armand.
 " J. Dionne, St. P's et es Bequet.
 " G. J. Goodhue, London.
 " W. Walker, Quebec.
 " C. Widmer, Toronto.
 " J. E. Irving, Toronto.
 " J. Morris, Brockville.

- NAMES & RESIDENCES.**
 Hon. P. Boucher DeBoucherville, Boucherville.
 " H. Gordon, Toronto.
 " J. Pinhey, March.
 " J. Ferrier, Montreal.
 " R. Matheson, Perth.
 " G. S. Boulton, Cobourg.
 " D. B. Viger, Montreal.
 " E. P. Tache, Montreal.
 " James Leslie, Montreal.
 " Frederick A. Quesnel, Montreal.
 " J. Bourret, Montreal.
 " G. S. DeBeaujeu, Coteau du Lac.
 " J. Ross, Belleville.
 " L. Methot, St. Croix.
 " J. O. Turgeon, Terrebonne.
 " S. Crane, Prescott.

- NAMES & RESIDENCES.**
 Hon. S. Mills, Hamilton.
 " Louis Panet, Quebec.
 " Charles Wilson, Montreal.
 " Narcissus F. Bellue, Quebec.
- PERMANENT OFFICERS.**—J. F. Taylor, Clerk, and Master in Chancery; Robt. Lemoine, Deputy and Assistant Clerk, Master in Chancery, and French Translator; Fenlings Taylor, Additional Assistant Clerk, and Chief Office Clerk; Rev. W. A. Adams, D.C.L., Chaplain and Librarian; E. L. Montizambert, Law Clerk, English Translator, and Clerk of Committees; Rene Kimber, Gentleman Usher of the Black Rod; O. Vallerand, Sergeant-at-Arms.

ADDRESS.—To the Honourable the Legislative Council of the Province of Canada, in Parliament assembled. The Petition of _____

Humbly sheweth, That, &c.
 [Place and date.]

LEGISLATIVE ASSEMBLY OF CANADA.

LOUIS VICTOR SICOTTE, Speaker.

- CONSTITUENCIES. NAMES.**
 Argenteuil . . . Sidney Bellingham.
 Bagot Timothee Brodeur.
 Beauce Dunbar Ross.
 Beauharuais . . Charles Daoust.
 Bellechasse . . . Doctor Fortier.
 Berthier Pierre Ernst Dostaler.
 Bonaventure . . Thomas Meagher.
 Brant (East Riding) } Daniel McKerlie.
 Brant (West Riding) } Herbert Biegart.
 Brockville (Town) George Crawford.
 Bytown (Town) Agar Yelding.
 Carleton Win. F. Powell.
 Chambly Noel Dache.
 Champlain . . . Thomas Marchildon.
 Chateaugui . . . Jacob DeWitt.
 Cococutimi and Tadoussac } Hon. A. N. Merin.
 Compton John Sewall Sanborn.
 Cornwall (Town) Roderick McDonald.
 Dorchester . . . Barthelemi Pouliot.
 Drummond & Arthabaska } J. B. Eric Dorion.
 Dundas John Pliny Chrysler.
 Durham (East Riding) } Francis H. Burton.
 Durham (West Riding) } Henry Munro.
 Elgin (East Riding) } George Southwick.
 Elgin (West Riding) } George MacBeth.
 Essex Arthur Rankin.
 Frontenac . . . Henry Smith.
 Gaspe John LeBoutillier.
 Glengary Hon. J. S. Macdonald.

- CONSTITUENCIES. NAMES.**
 Grenville (South Riding) } Wm. Patriek.
 Grey George Jackson.
 Haldimand . . . Wm. Lyon Mackenzie.
 Hutton Geo. K. Chisohn.
 Hamilton (City) Sir A. N. MacNab.
 Hastings (North Riding) } Edmund Murney.
 Hastings (South Riding) } Billa Flint.
 Huntingdon . . . R. Brown Somerville.
 Huron & Bruce Hon. W. Cayley.
 Iperville Chas. Joseph Laberge
 Joliette Joseph H. Jobin.
 Kamouraska . . Jean Chao, Chapais.
 Kent Edwin Larwill.
 Kingston (City) Hon. J. A. Macdonald.
 Lambton George Brown.
 Lanark (North Riding) } Robert Bell
 Lanark (South Riding) } James Shaw.
 Laprarie T. J. J. Loranger.
 L'Assomption Joseph Papin.
 Laval Pierre Labelle.
 Lenox and Ad- dington } David Roblin.
 Leeds & Grenville (North Riding) } Bas R. Church
 Leeds (South Riding) Jesse Delong.
 Lewis Francois Lemieux.
 Lincoln Hon. W. H. Merritt.
 L'Islet Chas F. Fournier.
 London (City) John Wilson.
 Lotbiniere . . . John O'Farrell.
 Maskinonge } Joseph E. Turcotte.
 Megantic Wm. Rhodes.

- CONSTITUENCIES. NAMES.**
 Middlesex (East Riding) } Wm. Niles.
 Middlesex (West Riding) } John Seatcherd.
 Missisquoi (East Riding) } Jas. M. Ferrer.
 Missisquoi (West Riding) } H. H. Whitney.
 Montcalm . . . Joseph Dufresne.
 Montmagny . . . Napoleon Casault.
 Montmorency Joseph Cauchon.
 Montreal (City) } Antoine A. Dorion.
 } Luther H. Holton.
 } Hon. John Young.
 Montreal (Hochelaga Riding) } Joseph Laporte.
 } M. F. Valois.
 Napierville . . . Jacques O. Bureau.
 Niagara (Town) Joseph C. Morrison.
 Nicolet Thomas Fortier.
 Norfolk Hon. John Rolph.
 Northumberland (East Riding) } James Ross.
 Northumberland (West Riding) } Sidney Smith.
 Ontario (N. Riding) Joseph Gould.
 Ontario (S. Riding) J. McV. Lumsden.
 Ottawa Alanson Cooke.
 Oxford (N. Riding) Donald Matheson.
 Oxford (S. Riding) Doctor Cook.
 Peel James C. Aikins.
 Perth Thos. Mayo Daly.
 Peterborough . . John Langton.
 Pontiac John Egan.
 Portneuf Jos. Elie Thibaudau
 Prescott Henry W. McCann.

CONSTITUENCIES.	NAMES.	CONSTITUENCIES.	NAMES.
<i>Prince Edward</i>	David B. Stevenson.	<i>Toronto (City)</i>	Hon. J. H. Cameron.
<i>Quebec (City)</i>	Jean Blanchet.	<i>Two Mountains</i>	J. G. Bowes.
	Charles Alieyn.		J. B. Droust.
	Hon. Jean Chabot.		J. B. Mongenais.
<i>Quebec (County)</i>	Hon. P. J. O. Chauveau	<i>Vaudreuil</i>	Geo. E. Cartier.
<i>Renfrew</i>	Hon. F. Hincks.	<i>Victoria</i>	James Smith.
<i>Richelieu</i>	Jean B. Guvernment	<i>Waterloo (North Riding)</i>	M. H. Foley.
<i>Rimouski</i>	Joseph C. Tache.	<i>Waterloo (South Riding)</i>	Robert Ferrie.
<i>Rouville</i>	Joseph N. Poulin.	<i>Welland</i>	John Frazer.
<i>Russell</i>	Geo. Byron Lyon.	<i>Wilmington (N. Riding)</i>	Wm. Clarke.
<i>Saguenay</i>	Pierre Gabriel Huot.	<i>Wilmington (S. Riding)</i>	A. J. Ferguson.
<i>Saint Hyacinthe</i>	Louis Victor Fleotte.	<i>Wentworth (N. Riding)</i>	Hon. R. Spence.
<i>Saint John's</i>	Francois Bourassa.	<i>Wentworth (S. Riding)</i>	S. B. Freeman.
<i>Saint Maurice</i>	L. L. L. Desautiers.	<i>Yamaska</i>	Ignace Gil.
<i>Shefford</i>	Hon. L. T. Drummond	<i>York (N. Riding)</i>	Joseph Hartman.
<i>Sherbrooke (Town)</i>	Alex. T. Galt.	<i>York (E. Riding)</i>	Amos Wright.
<i>Sherbrooke (and Wdfe)</i>	Wm. L. Felton.	<i>York (W. Riding)</i>	John W. Gamble.
<i>Steeles (N. Riding)</i>	Angus Morrison.	PERMANENT OFFICERS.	
<i>Steeles (S. Riding)</i>	Hon. W. B. Robinson.	W. B. Lindsay, Chief Clerk; G. B. Faribault, Assistant Clerk; G. B. Wick-	
<i>Sudburies</i>	Luc H. Masson.		
<i>Stamstead</i>	Timothy L. Terrill.		
<i>Starnston</i>	William Mattice.		
<i>Tenoussoula</i>	Benjamin Dionne.		
<i>Tirebonne</i>	G. M. Prevost.		
<i>Three Rivers (Town)</i>	Antoine Polette.		

stead, Law Clerk and English Translator; W. B. Lindsay, Jr., Assistant do.; W. P. Patrick, Chief Office Clerk; T. Vaux, Second do. and Accountant; Henry Hartney, Third do. and Engraving Clerk; Alfred Todd, Clerk of Private Bills; Wm. Spink, Clerk of Routine and Records; King Barton; Clerk of Petitions; H. B. Stewart, Engraving Clerk; Wm. Ross, Chief Clerk of Committees; Alfred Patrick, Clerk of Committees; Thaddeus Patrick, do. do.; J. P. Leprohon, do. do.; G. Levesque, French Translator; D. P. Myrand, Assistant do.; J. Huston, Assistant do.; William Fanning, Assistant do.; P. E. Gagnon, Clerk of French Journals; G. M. Muir, Clerk of English do.; W. Winder, Librarian; Alpheus Todd, Assistant Librarian; W. Lemolin, E. Domechard, W. C. Burrege, Junior Clerks; Donald W. MacDonald, Sergeant-at-Arms; Felix Fortier, Clerk of the Crown in Chancery.

ADDRESS.—To the Honourable the Legislative Assembly of Canada in Provincial Parliament Assembled: The Petition of—

Humbly Sheweth, That, &c.
Wherefore your Petitioners humbly pray, &c.
[Place and Date.]

NOTE.—No Petition to the Legislative Assembly will be received unless there be three genuine signatures on the sheet of paper or Parchment on which the conclusion of the Petition is written or printed. The usage has been, in the Legislative Assembly, to receive *only written* Petitions, but at a late session (1853), the Assembly adopted a resolution to receive *printed* Petitions in that House. All Petitions must be dated.

AN ACT TO REGULATE THE CURRENCY.

[Assented to 14th June, 1853.]

I. Repeals Acts 4 & 5 Victoria, chap. 93; 13 & 14 Vic., chap. 9; 14 & 15 Vic., chap. 47; and 14 & 15 Vic., chap. 48, relating to the Currency of this Province.

II. The denominations of money in the Currency of this Province shall be pounds, dollars, shillings, pence, cents, and mills; the pound, shilling and penny shall have, respectively, the same proportionate values as they now have, the dollar shall be one-fourth of a pound, the cent shall be one hundredth of a dollar, and the mill one-tenth of a cent; and in any statement as to money or money value in any agreement, indictment or legal proceeding, the same may be mentioned and described in pounds, shillings and pence, or in dollars, cents and mills, or in any or either of such denominations as may be considered expedient.

III. The Pound Currency shall be held to be equivalent to and to represent one hundred and one grains, and three hundred and twenty-one thousandths of a grain Troy weight of Gold of the standard of fineness now prescribed by law for the gold coins of the United Kingdom; and the Dollar Currency shall be held to be equivalent to and to represent one-fourth part of the weight aforesaid of gold of the said standard; and any gold coins of the standard of fineness aforesaid which Her Majesty shall direct to be struck at the Royal Mint, shall, by such names as shall be assigned to them in any Proclamation declaring them lawful money of this Province, pass current and be a legal tender for sums to be mentioned in such Proclamation and proportionate to their respective weights, subject to the like allowance for remedy as British Gold Coins.

IV. The Pound Sterling shall be held to be equal to one pound four shillings and four pence, or four dollars eighty-six cents and two-thirds of a cent, currency; and any British Sovereign of lawful weight shall pass current and be a legal tender for that sum; and the other gold coins of the United Kingdom shall, while of lawful weight, pass current and be a legal tender for sums in currency equal, according to the proportion aforesaid, to their Sterling value.

V. Provided always, that nothing in this Act shall affect the meaning to be affixed to the words "Sterling," "Sterling money of Great Britain," or other words of like import in any law in this Province, or in any part thereof, at the time when the Act herein first above cited and repealed came into force, or in any contract or agreement

then made therein, but any such law, contract or agreement shall be construed according to the intention of the Legislature, or of the parties who made the same; but in any law, contract or agreement made in this Province after the said Act came into force, or to be made after this Act shall come into force, the Pound Sterling shall be understood to have the value in Currency hereby assigned to the British Sovereign.

VI. The Public Accounts of this Province shall be kept in such of the denominations of current money of this Province hereinbefore mentioned, as Her Majesty shall from time to time direct, but all sums of money and accounts may be legally mentioned, described and stated in any of the said denominations.

VII. Such silver coins as Her Majesty may direct to be struck at the Royal Mint, of the fineness now fixed by law for the silver coins of the United Kingdom, and of weights bearing respectively the same proportion to the value to be assigned to such coins in this Province, which the weight of the silver coins of the United Kingdom bear to the value assigned to them in the United Kingdom, shall, by such names as shall be assigned to them by Her Majesty in her Royal Proclamation declaring them lawful money of this Province, pass current and be a legal tender at the rates assigned to them respectively in such Proclamation.

VIII. Until it shall be otherwise ordered by Her Majesty's Royal Proclamation, the silver coins of the United Kingdom, while lawfully current therein, shall pass current in this Province for sums in currency equal, according to the proportion hereinbefore fixed, to the sums in sterling for which they respectively pass current in the United Kingdom, but after the time to be fixed for that purpose in any such Proclamation as aforesaid, they shall cease to be current money in this Province; and no other silver coins than those declared to be so by this Act shall be a legal tender or current money in this Province.

IX. Provided always, the silver coins mentioned in either of the two next preceding sections, shall not be a legal tender to the amount of more than Two Pounds Ten Shillings Currency, in any one payment; and the holder of the notes of any person or persons or body corporate, to the amount of more than Two Pounds Ten Shillings currency, shall not be bound to receive more than that amount in such silver coins in payment of such notes if presented

for payment at one time, although each or any of such notes be for a less sum.

X. The Copper Coins of the United Kingdom shall, while lawfully current therein, pass current and be a legal tender in this Province, to the amount of One Shilling currency and no more in any one payment, at the following rates, that is to say: the copper penny for two cents, the copper halfpenny for one cent, and any other subdivisions of the said copper penny for proportionate sums; provided always, that any copper coins of like weights with those aforesaid respectively, which Her Majesty may direct to be struck for the purpose, shall pass current and be a legal tender in this Province, at the like rates and to the like amount in any one payment: and that if such copper coins be struck, Her Majesty may, if she see fit, declare by Proclamation that the copper coins of the United Kingdom shall not be lawful money of this Province after a day to be appointed in such Proclamation.

XI. The Gold Eagle of the United States of America coined before the first day of July, one thousand eight hundred and thirty-four, and weighing eleven pennyweights, six grains Troy weight, shall pass current and be a legal tender in this Province for ten dollars and sixty-six cents and two thirds of a cent, or two pounds thirteen shillings and four pence currency, and the half eagle of like date and proportionate weight for one half the said sum: and the Gold Eagle of the said United States, coined after the day last mentioned, and before the first day of January, one thousand eight hundred and fifty-two, or after the said day but while the standard of fineness for gold coins then fixed by the laws of the said United States shall remain unchanged, and weighing ten pennyweights eighteen grains, Troy weight, shall pass current and be a legal tender in this Province for ten dollars or two pounds ten shillings currency; and the gold coins of the said United States, being multiples or halves of the said Eagle, and of like date and proportionate weight, shall pass current and be a legal tender in this Province for proportionate sums.

XII. Her Majesty may at any time declare by Proclamation, that any, or all of any other gold coins of the said United States, or of any other Foreign Nation or State, shall pass current and be a legal tender in this Province, at rates in currency to be assigned to them respectively in such Proclamation, when of the weights to be also assigned therein, such rates being proportionate to the quantity of pure gold in such coins, reckoning ninety-two grains and eight hundred and seventy-seven thousandths of a grain of pure gold as equivalent to one pound currency.

XIII. If any person shall colour or gild, or ease over with gold or silver, or with any wash or materials producing the colour of gold or silver, any coin of coarse gold or of coarse silver, or of base metal, resembling any coin made or declared to be current by this Act, or shall make or cause to be made, or shall buy, sell or procure for himself or for another, or shall knowingly bring or import, or cause to be brought and imported into this Province, any forged, false or counterfeit gold, silver or copper coin, like to any of the gold, silver or copper coin made or declared by this Act to be lawfully current, or any coin of coarse gold or of coarse silver, or of base metal colored, gilded or eased over with gold or silver, or with any wash or materials producing the colour of gold or silver, and resembling any such coin, or any piece of gilded silver resembling any such coin, or shall utter or attempt to utter, or tender in payment to any person or persons (as being any of the gold, silver or copper coins hereby made or declared to be current money) any false or counterfeit piece, counterfeited to any of the gold, silver or copper coins made or declared to be current by this Act, or to any of the higher or lower denominations thereof, knowing the same to be false or counterfeit, such person shall be guilty of a misdemeanor, and on being duly convicted shall be liable to be imprisoned and kept at hard labour in the Provincial Penitentiary for not less than three nor more than fourteen years, in the discretion of the Court before which the conviction shall be had; and if such person shall afterwards offend in like manner, he or she shall for such second or for any subsequent offence, be deemed guilty of felony, and on being thereof duly convicted, shall be liable to be imprisoned in the said Penitentiary for life, or for any term not less than fourteen years, in the discretion of the Court before which the conviction shall be had.

XIV. If any person shall form, make, cut, sink, stamp, engrave, repair or mend, or shall assist in forming, making, cutting, sinking, stamping, engraving, repairing or mending, or shall have in his or her possession, except for some known and lawful purpose, any false or counterfeit coin, counterfeited to any coin lawfully current under the authority of this Act, or any die, press, tool or instrument, or metal or material of any kind, used, constructed, devised, adapted or designed for the purpose of counterfeiting or imitating any Coin which shall be lawfully current under the authority of this Act, such person shall be guilty of a misdemeanor, and shall be liable to punishment accordingly; and the proof that such false or counterfeit coin, or such die, press, tool or instrument, metal or material was formed, made, cut, sunk, stamped, engraved, repaired or mended by or was in the possession of such person for some lawful purpose, shall lie upon him or her.

XV. It shall be lawful for any one Justice of the Peace, on complaint made before him upon the oath of one credible person, that there is just cause to suspect that any person or persons is or are or hath or have been concerned in making, counterfeiting or imitating any such coin as aforesaid, by warrant under the hand of such Justice of the Peace, to cause the dwelling-house, room, work-shop, out-house or other building, yard, garden, ground or other place belonging to such suspected person or persons, or where such suspected person or persons shall be suspected to carry on any such making, counterfeiting or imitating, to be searched for any such counterfeit coin; and if any such coin, or any such die, press, tool or instrument, metal or material as aforesaid shall be found in the possession or custody of any person or persons whomsoever, not having the same for some lawful purpose, it shall and may be lawful to and for any person or persons discovering the same, to seize, and he or they are hereby authorised and required to seize and carry the same forthwith before a Justice of the Peace having jurisdiction within the locality in which the same shall be seized, who shall cause the same to be secured and produced in evidence against any person or persons who shall or may be prosecuted for any such offence as aforesaid, in any Court of competent jurisdiction, and the same after being so produced in evidence, shall by order of the Court be detained or destroyed, or otherwise disposed of as the Court shall direct.

XVI. Any person to whom any pretended gold, silver or copper coin shall be tendered in payment, which shall by the stamp, impression, colour or weight thereof, afford reason to suspect that the same is false or counterfeit, may cut or break such coin, and if the same shall be counterfeit, the person who tendered it shall bear the loss, otherwise the person who shall have cut or broken it shall receive it for a sum proportionate to its weight; and if any question shall arise whether such coin be counterfeit, it shall be determined by any Justice of the Peace, who, if he entertain any doubt in that behalf, may summon three skillful persons, the decision of a majority of whom shall be final.

XVII. If any false or counterfeit coin shall be produced in any Court of Law, the Court shall order the same to be cut in pieces in open Court or in the presence of a Justice of the Peace, and then delivered to or for the lawful owner thereof, if any such lawful owner there be claiming the same.

XVIII. Any person who shall knowingly utter, attempt to utter or offer in payment, as being lawfully current, any gold coin of less than its lawful weight, or shall diminish the weight of any such coin with intent to utter or offer it in payment as lawfully current, shall be guilty of a misdemeanor, and on being duly convicted shall be liable to be punished accordingly.

XIX. On any trial for any offence under this Act it shall not be necessary to call any Officer of the Mint or other person employed in producing the lawful coin, in order to prove any counterfeit to be such, but the fact may be proved by any evidence which shall be satisfactory to the Jury trying the case.

XX. This Act shall have force and effect upon, from and after the day to be appointed by Her Majesty for that purpose, by Proclamation, and not before.

[Received the Royal assent and came into operation 1st August, 1854.]

THE RECIPROcity TREATY.

A treaty extending the rights of fishing, and regulating the commerce and navigation between her Britannic Majesty's possessions in North America and the United States, concluded in the city of Washington on the 5th day of June, Anno Domini 1854, between the United States of America and her Majesty the Queen of the United Kingdom of Great Britain and Ireland.

The government of the United States, being equally desirous with her Majesty the Queen of Great Britain, to avoid further misunderstanding between their respective citizens and subjects in regard to the extent of the right of fishing on the coasts of British North America, secured to each by Article A of a convention between the United States and Great Britain, signed at London on the 20th day of October, 1818, and being also desirous to regulate the commerce and navigation between their respective territories and people, and more especially between her Majesty's possessions in North America and the United States, in such manner as to render the same reciprocally beneficial and satisfactory, have respectively named plenipotentiaries to confer and agree thereupon—that is to say, the President of the United States of America, William L. Marcy, Secretary of State of the United States, and her Majesty the Queen of Great Britain and Ireland, James, Earl of Elgin and Kincardine, Lord Bruce and Elgin, a Peer of the United Kingdom, Knight of the Most Ancient and Most Noble Order of the Thistle, and Governor General in and over all her Britannic Majesty's provinces on the continent of North America, and in and over the Island of Prince Edward, who, after having communicated to each other their respective full powers, found in good and due form, have agreed upon the following articles:

Art. 1. It is agreed by the high contracting parties, that in addition to the liberty secured to the United States' fishermen by the above mentioned Convention of 1818, of taking, curing and drying fish on certain coasts of the British North American Colonies therein defined, the inhabitants of the United States shall have, in common with the subjects of her Britannic Majesty, the liberty to take fish of every kind except shell fish, on the sea coasts and shores, and in the bays, harbors and creeks of Canada, New Brunswick, Nova Scotia, Prince Edward Island, and of the several islands thereunto adjacent, without being restricted to any distance from the shore, with permission to land upon the coasts and shores of those colonies and the islands thereof, and upon the Magdalen Islands, for the purpose of drying their nets and curing their fish.

That in so doing they do not interfere with the rights of private property, or with British fishermen, in the peaceable use of any part of the coast in their occupancy for the same purpose. It is understood that the above mentioned liberty applies solely to sea fishery, and that salmon and shad fisheries, and all fisheries in rivers and mouths of rivers are hereby reserved exclusively for British fishermen. And it is further agreed, that in order to prevent or settle any disputes as to the places which the reservation of exclusive right to British fishermen, contained in this article, and that of fishermen of the United States, contained in the next succeeding article apply to each of the high contracting parties, on the application of either to the other, shall within six months thereafter appoint a commissioner.

The said commissioners, before proceeding to any business, shall make and subscribe a solemn declaration that they will impartially and carefully decide, to the best of their judgment and according to justice and equity, without fear, favor, or affection to their own country, upon all such places as are intended to be reserved and excluded from the common liberty of fishermen under this and the next succeeding article, and such declaration shall be entered on the record of their proceedings.

The commissioners shall name some third person to act as arbitrator or umpire in any cause or causes on which they may themselves differ in opinion. If they should not be able to agree upon the name of such person, they shall each name a person, and it shall be determined by lot which of the two persons so named shall be arbitrator or umpire in cases of difference or disagreement between the commissioners.

The person to be chosen to be arbitrator or umpire shall, before proceeding to act as such in any case, make and subscribe a solemn declaration, in a form similar to that which shall already have been made and subscribed by the commissioners, which shall be entered on the record of their proceedings.

In the event of the death, absence, or incapacity of either the commissioners or the arbitrators, or umpire, or of their or his omitting, declining or ceasing to act as such commissioner, arbitrator or umpire, another and different person shall be appointed or named, as aforesaid, to act as such commissioner, arbitrator, or umpire, in the place and stead of the person so originally appointed or named as aforesaid, and shall make and subscribe such declaration as aforesaid.

Such commissioners shall proceed to examine the coasts of the North American Provinces and of the United States embraced within the provisions of the first and second articles of this treaty, and shall designate the places reserved by the said articles from the common right of fishing therein. The decision of the commissioners, and of the arbitrator or umpire, shall be given in writing in each case, and shall be signed by them respectively. The high contracting parties hereby solemnly engage to consider the decision of the commissioners conjointly, or of the arbitrator or umpire, as the case may be, as absolutely final and conclusive in each case decided upon by them or him respectively.

Art. 2. It is agreed by the high contracting parties that British subjects shall have, in common with the citizens of the United States, the liberty to take fish of every kind except shell fish, on the eastern sea-coasts and shores of the United States north of the thirty-sixth parallel of north latitude, and on the shores of the several islands thereunto adjacent, and in the bays, harbours and creeks of the said sea, the coasts and shores of the United States and of the said islands, without being restricted to any distance from the shores, with permission to land upon the said coast of the United States and of the islands aforesaid, for the purpose of drying their nets and curing their fish, providing that in so doing they do not interfere with the rights of private property, or with the fishermen of the United States in the peaceable use of any part of the said coasts, in their occupancy for the same purpose.

It is understood that the above mentioned liberty applies solely to the sea fishery, and that salmon and shad fisheries, and all fisheries in rivers and mouths of rivers are hereby reserved exclusively for fishermen of the United States.

Art. 3. It is agreed that the articles enumerated in the schedule, hereunto annexed, being the growth and produce of the aforesaid British colonies or of the United States, shall be admitted into each country respectively, free of duty.

SCHEDULE.

Grain, flour and breadstuffs of all kinds; animals of all kinds; fresh, smoked and salted meats, cotton, wool, seeds, and vegetables; undried fruits, dried fruits; fish of all kinds; products of fish and all other creatures living in the water, poultry, eggs, hides, furs, skins or tails undressed; stone or marble in its crude or unwrought state; slate, butter, cheese, tallow, lard, horns, manure; ores of metals of all kinds; coal, pitch, tar, turpentine, ashes; timber and lumber of all kinds, round, hewed and sawed, unmanufactured, in whole or in part; firewood; plants, shrubs and trees; pelts, wool; fish oil; rice, brown-corn and bark; gypsum, ground and unwrought; hewn or wrought or unwrought burr or grindstones; duffstuffs; flax, hemp and tow unmanufactured; unmanufactured tobacco.

Art. 4. It is agreed that the citizens and inhabitants of the United States shall have the right to navigate the river St. Lawrence and the canals in Canada, used as the means of communicating between the great lakes and the Atlantic Ocean, with their vessels, boats, and crafts, as fully as the subjects of her Britannic Majesty, subject only to the same tolls and other assessments as now or may hereafter be exacted of her Majesty's said subjects, it being understood, however, that the British Government retains the right of suspending this privilege on giving due notice thereof to the government of the United States.

It is further agreed, that if at any time the British government should exercise the said reserved right, the government of the United States shall have the right of suspending, if it thinks fit, the operation of Article 3 of the present treaty, in so far as the province of Canada is affected thereby, for so long as the suspension of the free navigation of the St. Lawrence or the canals may continue.

It is further agreed, that British subjects shall have the right freely to navigate Lake Michigan with their vessels, boats and crafts so long as the privilege of navigating the

river St. Lawrence, secured to Americans by the above clause of the present article, shall continue; and the government of the United States further engages to urge upon the state governments to secure to the subjects of her Britannic Majesty the use of the several canals on terms of equity with the inhabitants of the United States.

And it is further agreed that no export duty, or other duty, shall be levied on lumber or timber of any kind out on that portion of the American territory in the State of Maine, watered by the river St. John and its tributaries, and floated down that river to sea, when the same is shipped to the United States from the province of New Brunswick.

Art. 5. The present treaty shall take effect as soon as the laws required to carry it into operation shall have been passed by the Imperial Parliament of Great Britain and by the Provincial Parliaments of those of the British North American colonies which are affected by this treaty on the one hand, and by the Congress of the United States on the other; such assent having been given the treaty shall remain in force for ten years from the date at which it may come into operation; and further, until the operation of twelve months after either of the high contracting parties shall give notice to the other of its wish to terminate the same, each of the high contracting parties being at liberty to give such notice to the other, at the end of the said term of ten years or at any time afterwards.

It is clearly understood, however, that this stipulation is not intended to affect the reservation made by Article 4. of the present treaty, with regard to the right of temporarily suspending the operation of Article 3 and 4 thereof.

Art. 6. And it is hereby further agreed, that the provisions and stipulations of the foregoing articles shall extend to the island of Newfoundland, so far as they are applicable to that colony. But if the Imperial Parliament, the Provincial Parliament of Newfoundland, or the Congress of the United States shall not embrace in their laws, enacted for carrying this treaty into effect, the colony of Newfoundland, then this article shall be of no effect; but the omission to make provision by law to give it effect, by either of the legislative bodies aforesaid, shall not in any way impair the remaining articles of this treaty.

Art. 7. The present treaty shall be duly ratified, and the mutual exchange of ratifications shall take place in Washington, within six months from the date hereof, or earlier if possible.

In faith whereof, we, the respective plenipotentiaries, have signed this treaty, and have hereunto affixed our seals.

Done in triplicate, at Washington, the fifth day of Jun^o, Anno Domini, one thousand eight hundred and fifty-four.

W. L. MARCY, [L. S.]
ELGIN and KINCARDINE. [L. S.]

POST OFFICE DEPARTMENT.

ENGLISH MAILS.—English Mails are despatched weekly by the British and American Liverpool mail steamers, and received at Montreal, Kingston, Toronto, and Hamilton. The steamers leave New York and Boston, alternately every Wednesday.

Letter rate by these steamers per 1/2 oz. . . . 10d.
Mails are also despatched by the Canadian mail steamers from Quebec on the 5th and 20th of each summer month, and via Montreal from Portland monthly during the winter. The mails transmitted by these steamers are sent on the increase, and reach England as regularly and promptly as if despatched via New York or Boston.

Letter rate by these steamers per 1/2 oz. . . . 7 1/2
Notes.—Letters by this line must be specially addressed via CANADIAN MAIL LINE.

Newspapers by these steamers, Free.
POSTAGE CHARGE ON LETTERS.—The postage rate on letters to any of the British North American Provinces is 3d per 1/2 oz. Prepayment optional. To Australia or the East Indies, to be always prepaid.

To British Colonies in the West Indies, Gulf of Mexico, &c., via Quebec and Halifax, 7 1/2d per 1/2 oz. Prepayment optional. To foreign places, to be always paid in advance.

POSTAGE CHARGE ON NEWSPAPERS AND PERIODICAL PUBLICATIONS.—1. The postage charge on Canadian newspapers, when transmitted through the post in this Province is:—
When published daily, 8s. 6d. per annum.
" " tri-weekly, 4 0 " "
" " bi-weekly, 2 8 " "
" " weekly, 1 4 " "

These rates to be paid quarterly in advance.
2. Publishers may make this prepayment on behalf of their subscribers.

3. These rates apply to papers published in the United States and addressed to subscribers in Canada.

4. Postage on transient papers to remain at 1 1/2d. on each paper. Prepayment optional.

5. Newspapers to and from the Lower Provinces, or sent to subscribers in the United States from office of publication in Canada, and Exchange Newspapers, are exempt from postage charge.

6. Postage rate on Magazines and other Periodical Publications is as follows:
When issued monthly and weighing not more than 1 oz., 0 4d. per annum.
" " " " " 4 oz., 1 0 " "
" " " " " over 4 oz., 2 0 " "

When issued more or less frequently than once a month, the charge to be in like proportion; thus, on a weekly periodical of less than one ounce in weight, the charge will be 4d. per quarter, and in advance as with newspapers.
7. Postage on transient periodicals to be 2d. per oz. Prepayment optional.

8. Should the quarterly payment of postage on newspapers or periodicals be refused in advance, then they are to be treated as transient newspapers or periodicals, and transient rates imposed.

9. Periodicals devoted exclusively to the promotion of Science, Education, Temperance, or of Agricultural Instruction—free.

LIST OF POST OFFICES

Which have been established in Canada, from 1st October, 1853, to 30th June, 1854, inclusive, alphabetically arranged, showing the Township, Parish, or Seignior's, and the County in which each is situated, with the names of the Postmasters.

POST OFFICE.	TOWNSHIP OR SEIGNIORY.	COUNTY.	POSTMASTER.
Alton,	Caledon,	Peel,	John S. Meek.
Argyle,	Beach,	Ontario,	John Mills.
Arlington,	Adolph,	Simcoe,	J. Ferguson.
Ashfield,	Ashfield,	Huron,	J. De Cantillon.
Auburn,	Colborne,	Huron,	W. B. Garratt.
Aylwin,	Gatineau River,	Ottawa,	John Little.
Bazotville,	Bagot,	Saguenay,	L. Z. Rousseau.
Belle Riviere,	St. Scholast. c. P. Moutains,	W. Snowdon.	
Bervie,	Kincardine, Bruce,	N. McIntyre.	
Biddulph,	Biddulph,	Huron,	John Conroy.
Black Creek,	Willoughby, Welland,	A. McMurray.	
Bridgenorth,	Smith,	Peterboro',	M. S. Dean.
Britannia Mills, Upton,	Drummond,	Thos. McLaw.	
Carluke,	Ancaster,	Wentworth,	Jas. Calder.
Carp,	Huntley,	Carleton,	Law.
Carronbrook,	Logan,	Perth,	Uzzal C. Lee.
Castlemore,	G. of Toronto, Peel,	M. C. Brougham.	
Charlestown, Quebec,	Quebec,	J. Lecourt.	
Chichester,	Chichester,	Ottawa,	John Poupore.
Clareview,	Sheffield,	Addington,	A. McDonnell.

POST OFFICE.	TOWNSHIP OR SEIGNIORY.	COUNTY.	POSTMASTER.
Comer's Mills, Isl. Montreal, Montreal,	J. Robertson.		
Cote des Neiges, Ernestown, Addington,	D. W. Perry.		
Cramborne,	Crambourne, Dorchester,	John Kenyon.	
Croton,	Dawn,	Lambton,	J. H. Johnson.
Drew's Mills,	Barford,	Stanstead,	A. F. Bangs.
Drumho,	Blenheim,	Oxford,	Geo. Hicks.
East Plympton, Plympton,	Lambton,	J. Oxenham.	
Elizabethville, Hopo,	Durham,	J. McNarty.	
Elma,	Elma,	Perth,	George Codo.
Enterprise,	Camden East, Addington,	J. Campbell.	
Erinsville,	Sheffield,	Addington,	J. Gafney.
Fitch Bay,	Stanstead,	Stanstead,	John Bell.
Forester's Falls, Ross,	Renfrew,	O. Forester.	
Garthby,	Garthby,	Shenbrooke,	L. T. Label.
Grande Ligne,	Huntingdon,	Gunning.	
Grey,	Grey,	Huron,	A. Guinloch.
Griersville,	St. Vincent, Grey,	A. Grier.	
Ham,	Ham,	Shenbrooke,	Israel Rice.
Hannon,	Glanford,	Westbrooke,	Jos. Hannon.
Harrington,	West Zorra,	Oxford,	D. L. Demorest.

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J. Rice.
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NAME OF POST OFFICE.	TOWNSHIP OR SEIGNIORY.	COUNTY.	NAME OF POSTMASTER.
Barnwood, . . .	Hamilton, . . .	Northumb'd.	E. Vivian.
Barnwood's C'rs.	Emilly, . . .	Victoria, . . .	B. Henderson.
Beverlyton, . . .	Bruce, . . .	Wm. Gunn.	
Jersey River, . . .	Chaudiere, . . .	Dorchester, . . .	K. H. Gaty.
Killarney, . . .	. . . . .	N. St. L. Huron, R. Johnson.	
Kilbass, . . .	Kilbass, . . .	Bruce, . . .	Thos. Hodgins.
L'Anaroux, . . .	G. of Toronto, Pecl, . . .	. . . . .	Jas. Taylor.
Leamington, . . .	Morsea, . . .	Essex, . . .	W. Kimple.
Leavens, . . .	St. Vincent, Grey, . . .	R. B. Leavens.	
LeRoy, . . .	Jundill, . . .	Simcoe, . . .	D. Davidson.
Lester, . . .	Barnstone, . . .	Stanstead, . . .	F. Hanson.
Liford, . . .	Manvers, . . .	Durham, . . .	J. Geo. Shaw.
Lorraine, . . .	Mono, . . .	Simcoe, . . .	J. Morrison.
Leskye, . . .	King, . . .	York, . . .	J. Bowman.
Lyons, . . .	S. Dorchester, Elzbi, . . .	. . . . .	Jas. Dunn.
Middleville, . . .	Lanark, . . .	Lanark, . . .	Jas. Guthrie.
Mont Louis, . . .	Mont Louis, Gaspe, . . .	. . . . .	P. P. Fortin.
Morningdale, . . .	Mills (Sub Off.), Mornington, Perth, . . .	. . . . .	John Nicklin.
Morrison, . . .	Puslinch, . . .	Wellington, . . .	B. B. Morrison.
Moscow, . . .	Camden East, Addington, . . .	. . . . .	J. Crommer.
North Eldon, . . .	Eldon, . . .	Victoria, . . .	W. McCreedy.
North Glanford, Glanford, . . .	Westworth, . . .	J. Terryberry.	
N. Walsingham, Walsingham, Norfolk, . . .	. . . . .	. . . . .	J. Newlove.
Nottawa, (S. D.), Nottawaaga, Simcoe, . . .	. . . . .	. . . . .	. . . . .
Ottawa (G. Wks.), Vaudreuil, . . .	. . . . .	. . . . .	John Hodgson.
Outseau, . . .	Shes, . . .	Ottawa, . . .	J. Andrews.
Oungah, . . .	Chatham, . . .	. . . . .	S. Kenny.
Ozabruck C'tr., Ozabruck, Stormont, . . .	. . . . .	. . . . .	Jacob Poops.
Panville, . . .	Tecumseth, . . .	Simcoe, . . .	J. Henry Stone.
Pierreville, . . .	Pierreville, . . .	Yanaska, . . .	Ignace Gill.
Pt. Alexander, Esher, . . .	Ottawa, . . .	B. McConnell.	
Pt. Levi East, Lanou, . . .	Dorchester, . . .	H. Monthring.	
Port Whitley, . . .	Whitley, . . .	Ontaria, . . .	John Watson.
Queensborough, Elzevir, . . .	Hastings, . . .	G. A. Hart.	
River Desert, . . .	Attaincu R'r., Ottawa, . . .	G. Williams.	
Riversdale, . . .	Greenock, . . .	Bruce, . . .	G. Cromar.
Rockford, . . .	Townsend, . . .	Norfolk, . . .	J. Fessenden.
Rockwood, . . .	Bransosa, . . .	Wallington, . . .	R. Passmore.
Rosetta, . . .	Lanark, . . .	Lanark, . . .	J. Dods.

NAME OF POST OFFICE.	TOWNSHIP OR SEIGNIORY.	COUNTY.	NAME OF POSTMASTER.
Ryckman's C'rs., Glanford, . . .	Wentworth, . . .	G. M. Ryckman.	
St. Alexandre,	Kamouraska, . . .	E. Lavoque.	
St. Constant,	Huntingdon, . . .	A. Guilmond.	
St. Cyrille,	Jessard,	J. B. Cloutier.	
St. Davids,	Niagara,	J. Woodruff.	
St. Helene,	Kamouraska, . . .	N. Bellet.	
St. Helene,	Dorch. St., . . .	M. Fortier.	
St. Julien,	Vercheres, . . .	H. Provost.	
St. Leger,	L'Assomption, Leinster, . . .	C. A. Loranger.	
St. Pacome,	Lecluse,	G. F. P. Renaud.	
St. Sulpice,	Kamouraska, . . .	A. Heaton.	
St. Zotique,	L'Assomption, Leinster, . . .	A. R. Lillard.	
Salem,	Malahide,	G. F. Picheur.	
Sillsville,	Fredericksbg, Lenox, . . .	G. E. Sills.	
Steclairville,	Seneca,	J. H. Halliday.	
Smith's Corners, Murray, . . .	Northumb'd, Wm. Gierow.		
Spring Arbour, Walsingham, Norfolk, . . .	. . . . .	W. S. Pomeroy.	
Stittsville,	Gaulburn,	Carleton, . . .	J. Scott.
Stoneham,	Stoneham,	Quebec,	N. Murphy.
Switzerville,	Ernesttown,	Addington, . . .	C. W. Miller.
Teohanta,	Beaulharois, Beaulharois, . . .	George Ellis.	
Thornbury,	Collingwood,	Grey,	S. D. Olmstead.
Thornton,	Jamiesil,	Simcoe,	J. Henry.
Thizwick,	Thizwick,	Drummond, . . .	J. Murphy.
Trois Saumons, St. J'n Pt., L.L. L'Isle, . . .	. . . . .	J. Audet.	
Valleyfield,	Beaulharois, Beaulharois, . . .	C. McKenzie.	
Vernonville,	Haddington,	Perth,	D. Matthews.
Victoria Square, Markham, . . .	York,	Donald McInne.	
Vincennes,	Dumfries, N.W. Waterloo, . . .	A. Dunbar.	
Warner,	Quistor,	Lincoln,	M. Warner.
Warwick,	Warwick, L.C. Drummond, . . .	Enos Farwell.	
Wellman's C'rs., Rawdon,	Hastings,	J. F. Kelly.	
Westfield,	Wawaush,	Huron,	H. Holp.
West's Corners, Mornington, Perth, . . .	. . . . .	D. Matthews.	
Wt. McGillivray, McGillivray, Huron, . . .	. . . . .	G. Wood.	
West Troy,	Harwich,	Kent,	L. Finlay.
Wisbech,	Warwick, U.C. Lanlton, . . .	. . . . .	John Bowes.
Woodville,	Eldon,	Victoria,	John Morrison.

CHANGES IN NAMES OF OFFICES.—W^{hite Fish}, County of Leeds, changed to *Morton*—Ozabruck, County of Stormont, changed to *Adelaide*—Darlington, County of Durham, changed to *Brunswick*—Ingr, County of Leeds, closed. Cayuga Heights, County of Brant, changed to *Carletonplace*—Wilson, County of Waterloo, changed to *Haysville*—Seymour West, County of Northumberland, changed to *Campbellford*.

THE POSTMASTER-GENERAL established the following NEW POST OFFICES in Canada, on the 1st February, 1856:—

NAME OF POST OFFICE.	TOWNSHIP OR SEIGNIORY.	ELECTORAL COUNTY OR DIVISION.	POSTMASTER.
Alford	Minto	Wellington, N. R.	W. Brown.
Dunblane	Stuaben	Bruce	W. Wallace.
Dunkeld	Brant	Do.	Hugh Bel.
Gtinton	York	York, W. R.	Joseph Hargrave
Glenlyon	Carrick	Bruce	J. Shannon.
Harrison	Minto	Wellington, N. R.	J. Harrison.
Headville	Grantham	Drummond	Henry Menut.
Josephville	Dope	Durham, E. R.	William Carr.
Laframboise	Piny	Simcoe, N. R.	Toussant Moreau.
Lakeside	E. N. sours	Oxford, N. R.	G. McKenzie.
Maley	Widerlie	Bruce	Thomas Orchard.
Riversdale	Minto	Wellington, N. R.	Alexander Scott.

POST OFFICE DEPARTMENT, } Toronto, Feb. 11, 1856.	1857
Sinking Fund	75000
Miscellaneous	58964
Expenses of Collection:	
Customs	£49181
Excise	4882
Territorial	29622
Revenue from Public Works (including £2638 for Re- pairs)	45362
Fines, Forfeitures & Seizures, . . .	2374
Casual	59
Total	125483
To Balance at Credit of Consolidated Fund	860681
Total Currency	£986597
Total Currency	1320650
By Balance brought down	£34638
<i>Customs.</i>	
The gross Customs revenue was	£1029782
And the net	£986597
Leaving for deductions of all kinds	£43185
The deductions are made up of the following items:—	
Salaries and other expenses of collection, £36,702; other expenses of collection paid by warrant on the Receiver-General, £743; Excess of expenses over collections at fourteen ports, £597; Payments or contingencies, £2,285;	

Return duty, £3,453. Deducting the return duty from the other deductions we have £39,733 for the expenses of collection, or $\frac{1}{2}$ per cent.

The Ports where the expenses exceeded the returns, were Benoit, Coteau-du-Lac, Herford, L'Isle Verte, Gratton, Matland, Owen Sound, Penetanguishene, Port Credit, Port Milford, Riviere aux Indes, Saugeen, Wellington.

LICENCES.—The gross receipts for the year derived from licences were as follows, viz: From shops, £6,544; stills, £12,759; billiard tables, £172; hawkers and pedlars, £1,017; steamboats, £243; ferries, 12,015; auction licenses and duties, £6,655. The total revenues from these sources were, therefore, £27,405; the charges for collection were £1,059, and the net revenue £26,346. The cost of collection was, therefore, 14-19 per cent.

Of the auction duty Montreal paid more than all the rest of the Province, and about two-thirds of the whole revenue, viz, £3,972 out of £6,655.

Territorial.—Ferries, £760; rent Moffatt's Island, £9; commutation of lot of land, £2; sales of Crown Land, C. E., £1,923; in C. W., 17,695; instalments, C. E., £30; do, C. W., £1,582; sundry other receipts in Crown Land Office, £3,110. The woods and forest revenues are stated thus:—

For Ottawa Ground rents	£4935
Timber Dues	24769
St. Maurice Ground Rents	7365
Timber Dues	641
Madawaska Territory Ground Rents.	227
Bonus for Timber Berths	6288
Timber Dues	638
Ground Rents, from sundry Agents	1583
Timber Dues, do.	15118
Land Arrears, outstanding from McLean Stewart,	287
Ground Rent from D. McLean, in 1851	3
	£61857

Crown Domain, £727; Seignior of Lauzon, £6,444, of which £3,911 is revenue and £2,533 for Mill sales. Total Territorial, £93,770.

Bank Issues.—The following is a statement of duties on Bank Issues for 1853:—Montreal, £7,250; Upper Canada, £3,771; Commercial, £3,581; B. N. America, £3,197; City, £1,467; Gore, £1,984; Quebec, £939; People's, £890; Farmer's, £30. Total, £23,051.

Public Works.—The details of the Canal Revenues are published in the analysis of the Trade and Navigation Returns (page 43). We therefore content ourselves with stating here that the revenue arising from works for improving navigations arose from the following, viz:—Welland, St. Lawrence, Burlington, and Chamblin Canals; Cobourg, Balhousie, Matland, Stanley, Wilby, Rond'Eau and Dover Harbours, Chatham, Dunnville, Duchesne, Jacques Cartier, Melbourne, Trent, Union Suspension (Bytown) Bridges; St. Ann's and St. Ours' Locks; and the Ottawa and Trent Slides. The total revenue from them all was £115,220; the expenses of all kinds (repairs and collections) £44,627; the net revenue, £70,593; and the following were the gross revenues compared with the charges on the six principal works, viz:—Welland, revenue £67,478, charges £22,980; St. Lawrence, revenue £25,602, charges £14,284; Burlington, revenue £5,625; charges £201; Chamblin, revenue £2,069, charges £1,732; Ottawa Slides, revenue £7,454, charges £1,821; Trent, revenue £1,180, charges, £2,715. The following charges were in excess of the revenue collected, viz:—Chatham Bridge £53; Trent do. £5; St. Ours' Lock, £283; Trent Slides £1,535. The following are the roads from which a revenue is derived, viz:—Dundas, Hamilton and Brantford, Hamilton and Dover, Kingston and Napanea, London and Brantford, London and Port Stanley, Port Hope and Rice Lake, Toronto. They produced nett, £7,752.

Interest.—In the statement of the casual revenue, we find the following account of interest received from several Banks, viz:—Upper Canada, £3,000; B. N. A. £2,200; People's, £1,747; Montreal, £1,193; Commercial, £2,013; Quebec, 48. Total, £10,207.

JESUITS' ESTATES.

Expenditure.

To this sum being the proportion chargeable to this Fund for Educational Institutions in Canada East, for the year 1853, as per Act 16 Vic, cap. 156. . . £4000 0 0
To Balance carried to next year 11963 0 6

Total Currency £15963 0 6

Receipts.

By Balance from last year	£7403
By Cash credited by the Receiver General, being Interest on Debentures held on Account of this Fund	£22833
By Am't received from the Commissioners of Crown Lands, for Rents, &c. on Lands sold.	5727
	8560
Total Currency	£15963

By Balance brought down £11963
Marriage Licences.—Fees in Canada West last year on 4596 licences, £4,596; in Canada East, £919.

Emigrant Duty.—Nett receipts £13,446, of which £3,355 was the balance on hand from last year, and £2041 is carried to next year, leaving for the twelve months' expenditure £9805, thus applied, viz:—Balances due in 1852, £418; Emigration Office Expenses, £5,633; Emigrant Hospital, Quebec, £584; Grosse Isle, £2,475; Inspecting Physicians, Quebec, £311; Chaplains' houses, Grosse Isle, £43; work at Grosse Isle, £324.

MONTREAL COURT HOUSE.

Receipts.

Balance last year	£8779
Law Fees	2913
Tavern Licences	1237
Interest from Canada District Savings' Bank on £11,000, for one year at 4 per cent.	440
Premiums on 8 per cent. Debentures at 3 and 2 per cent.	217
Debentures negotiated from 1850 to 1853, both inclusive	13588

Expenditure.

Interest on Debentures	£2502
Carried to next year	11080
	£13588
Brought down	£14986
Debenture Account, viz: Debentures negotiated.	£40000
Payments from 1850 to 1853, both inclu. in 1853	£22293
	8168
Balance carried to next year	8539
	£40660
Brought down	£55339

CLERGY RESERVES.

REVENUE in C. W., derived from dividend on Investments of proceeds of Lands sold under 8th George the 4th; interest on lands sold on credit, &c.
Dividends on Investments in England, proceeds of Exchange £9136
Interest on Investments within the Province 2513
Interest on Lands sold on credit 8257
Rents of Leased Lots 4371

Total Revenue £24288

Disposed of thus, viz:—Roman Catholic Church, £740; Rev. W. Bell, Presbyterian, £111; United Synod do, £545; Wesleyan Methodists, £574; Church of England, being two-thirds of £22,317, £14,878; Church of Scotland, one-third of £22,317, 7,439; stipends of Church of Scotland Ministers who were incumbents in 1840, £411; Synods of Canada in connexion with the Church of Scotland, £749.
REVENUE in C. E., (as above in C. W.) viz:—

Dividends on Investments in England, proceeds of Exchange £2293
Interest on Investments within the Province 95
Interest on Lands sold on Credit 0

Total Revenue £3023

Two-thirds of Church of England, £2019; one-third of Church of Scotland, £1,609; allowance to Ministers of that Church, £277; Synod of Canada in connexion with the Church of Scotland, £731.

REVENUE from Dividends on Investments under 3rd and 4th Victoria, interest on sales on credit, &c., C. W.:—
Dividends in England £3108
Within the Province 7448
Lands on Credit 9785

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This disposed of two-sixths to Church of England, £6780; one-sixth to Church of Scotland, £3200; R. C. Church, £920; Wesleyan Methodists, £200; leaving a balance at the appropriation of the Governor-General of £9041, which added to previous balances and interests amounts to £25,793.

Revenue from dividends on investments as above, &c. &c.:

Investments within the Province	£2216
Lands sold on credit	449
	<hr/>
	£2665

Two-sixths to C. of E. £221; one-sixth to C. of S. £110; leaving a balance of £232 to be added to past balances of £973, making a total of £1205.

Debentures Redeemed.

Welland Canal	£12,430
Montreal Roads	33,280
Quebec Roads	22,992
Home District Roads	600
War Losses	38,499
Insurrection Losses	500
Several Roads	13,158
Public Works Debentures issued since the Union	20,652
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Total in 1853	£92,967

Total redeemed from 1849 to 1853, both inclusive, £534,761

Sinking Fund.

Amount at Credit of the Sinking Fund of Canada, up to the 31st January, 1854, invested in reduced 3 per cent. annuities

By Amount as per Statement No. 46, Public Accounts, 1852, C'y., £368874 15s. 11d., £392527 4 8	
By half-year's Dividend to 5th April, 1853, on Sterling, £392527 4s. 8d., at 3 p. ct.	4557 17 2
By Investment of £600000 Sterling, on 23rd July, 1853, on account of Sinking Fund for 1853, the same producing	60377 7 2
By half-year's Dividend, to 18th Oct., 1853, on £367442 10s. Sterling, at 3 per cent.	5511 12 9
By Gain on Investment of £5311 12s. 9d., Sterling	553 8 9
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Sterling	£373507 10 6
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Currency	£451431 4 2

Public Debt.

Total Debt.—£1,621,200; Annual Interest, £225,947. Debentures due in 1854 and 1855. In 1854, £279,668, of which were redeemed. £243,333; in 1855, £476,666.

Consolidated Municipal Debentures, paid under the authority of Act 16 Vic., cap. 32, prior to 31st January, 1854, the same bearing interest at 6 per cent. per annum, and redeemable on 1st July, 1875:

Names of Municipalities.

Town of Niagara	£15,000
do Port Hope	5000
do Cobourg	7500
do Brantford	2500
do St. Catharines	1250
do Bytown	5000
do Prescott	2500
do Woodstock	100
Township of Hope	1500
do Brantford	1250
do Bertie	1000
do Camberough	2000
do Malindet	5000
do Middleton	1250
do Moulton and Sherbrooke	5000
do Stanley	2500
Village of Chippawa	5000
do Paris	1000
County of Grey	4000
do Bruce and Huron	125000
do Lincoln and Welland	12000
do Oxford	5000
do Lambton	4000
do Perth	22000
	<hr/>
Total Currency	£49850

Comparative Statement of the Net Revenue and Expenditure for 1852 and 1853:—

	<i>Revenue.</i>			
	1852.	1853.	Inc.	Dec.
	£	£	£	£
Customs	705517	986597	281080	...
Excise	22145	22523	77	...
Territorial	32218	61117	21899	...
Bank Imposts	1898	23653	4064	...
Public Works	71121	77629	6215	...
Militia Commissions	31	9	...	34
Fines and Forfeitures	2785	2984	...	701
Casual	22431	14947	...	7132*
Law Fees	4318	4139	...	478
	<hr/>	<hr/>	<hr/>	<hr/>
Totals, C'y.	£589528	1195168	323335	8695
	<i>Expenditure.</i>			
	1852.	1853.	Inc.	Dec.
	£	£	£	£
Interest	214125	226418	12223	...
Civil List, Schedule A.	29096	28936	...	870
Civil List, Schedule B.	34941	32483	...	1557
Permanent Charges under Acts, C. E.	4231	5040	1606	...
Do, do, Canada West	5418	5489	41	...
Do, do, under Acts of Canada	140333	163917	23584	...
Paym'ts under Estimate, 1849	6322	...	...	6322
Do, do, 1850	421	77	...	344
Do, do, 1851	21762	1176	...	23226
Do, do, 1852	118589	36080	...	82508
Do, do, 1853	170354	170354	...	...
Sinking Fund	73900	73900	...	...
	<hr/>	<hr/>	<hr/>	<hr/>
Totals, Currency, £651121	744200	207908	114327	

* Last year included £6340 3s. 3d., Surplus Postage Revenue of Canada, for 1850.

TRADE AND NAVIGATION RETURNS FOR 1853.

CANALS.

The subjoined table shows the business upon all the Canals for the year 1853:

	Welland.	St. Lawrence.	Chambly.	Burlington.	St. Ann's Locks.
Passengers	19,631	43,861	2,353	17,805	17,805
Tons of Goods	905,516	561,601	113,585	87,855	131,159
Vessels of all kinds	1,075,219	620,309	113,626	327,658	129,204
Tolls	£65,034	£22,108	£2,126	£5,625	£919

The "movement" up and down upon the several canals for a series of years has been as follows, viz.:

Welland Canal.—Tonnage of property in 1850, 399,600; in 1851, 601,627; in 1852, 743,060; in 1853, 905,516. Tonnage of Vessels in 1850, 587,100; in 1851, 772,623; in 1852, 894,193; in 1853, 1,063,621.

St. Lawrence.—Tonnage of Property in 1850, 288, 103; in 1851, 450,400; in 1852, 492,575; in 1853, 561,601. Tonnage

of vessels in 1850, 460,180; in 1851, 526,210; in 1852, 585,466; in 1853, 619,390.

Chambly.—Tonnage of goods in 1850, 109,141; in 1851, 110,726; in 1852, 89,514; in 1853, 138,585. Tonnage of vessels in 1850, 143,194; in 1851, 90,691; in 1852, 82,618; in 1853, 110,169.

Burlington.—Tonnage of goods in 1850, 54,927; in 1851, 85,198; in 1852, 75,411; 1853, 87,855. Tonnage of vessels

In 1850, 473,600; in 1851, 481,100; in 1852, 536,221; in 1853, 210,168.

St. Ann's Lochs.—Tonnage of goods in 1850, 59,820; in 1851, 105,923; in 1852, 90,664; in 1853, 137,159. Tonnage of vessels in 1850, 121,302; in 1851, 102,407; in 1852, 108,049; in 1853, 126,304.

The falling off on the Burlington is owing to the discontinuance of a line of steamers to Montreal.

The number of passengers passing over all the canals during the series of years from 1848 to 1853, both inclusive, is as follows: in each year, viz.: 24,928; 37,968; 39,035; 54,155; 61,600; 81,080.

The increased movement of property on the canals is stated thus: On the Welland, increase from '52 to '53, 21.8 per cent.; increase from '48 to '53, 104.36 per cent. St. Lawrence, from '52 to '53, 32.18 per cent.; from '48 to '53, 290.3 per cent. Chambly, from '52 to '53, 20.7 per cent.; from '48 to '53, 50.3 per cent. Burlington, from '52 to '53, 16.5 per cent.; from '50 to '53, 50.7 per cent. St. Ann's, from '52 to '53, 36.9 per cent.; from '50 to '53, 126.7.

The average annual increase on the movement on the Welland, St. Lawrence, and Chambly Canals, from 1848 to 1853 is about 33 per cent.; and the increase on all the canals from '52 to '53 is 27 per cent.

The net revenue, after deducting cost of lock-tenders, collectors, &c.—but not repairs—of all the canals for a series of years—was, in 1847, £41,132; '48, £30,815; '49, £48,033; '50, £35,110; '51, £63,000; '52, £60,302; '53, £70,404.

The charges for collection have increased rather faster than the gross revenue, the latter being in '47, £50,031, and in '53, £26,814; and the former in '47, £8,999, and in '53, £16,319.

The entire revenue from rents and tolls on all the canals in 1853, was £161,987; the total charges, including repairs, £41,752; and the total net revenue, £61,935.

Imports.—The total value of imports in three years, were: 1851, £5,358,697; 1852, £5,971,233; 1853, £7,055,370. Of these, in 1853, the free goods were £443,370, and the dutiable goods, £7,557,381.

The goods imported by the St. Lawrence, including those entered in the Upper Canadian ports in the year 1853, were £4,555,074, and in transit for the United States, £201,801, making a total of £4,817,065, showing that the importations from the United States and from Europe, via the United States, were £2,178,201.

The proportion of imports from various countries is shown in the following table:

ARTICLES.	EXPORTS.		TO WHAT COUNTRY EXPORTED.				
	Value.	Great Britain.	BRITISH COLONIES.		United States.	Foreign Countries.	
			Australia.	N th America.			
Produce of the Mine,	£27,330 3 2	8440 0 0			18800 3 2		
" " Sea,	85000 13 8	8801 15 0		15072 14 4	18855 12 7	42770 11 11	
" " Forest,	2355255 2 2	1682125 12 1	£4145 16 11	6166 5 2	652544 4 7	9073 3 7	
Animals and their produce,	342021 7 0	58991 3 7		41920 19 3	261714 4 1		
Vegetable Food,	1995994 15 9	502160 4 8		273068 16 7	1219861 14 4	4 0 0	
Other Agricultural Products,	26618 17 11	3061 0 0		121 0 0	23333 17 11		
Manufactures,	35106 9 6	877 10 0	£80 0 0	6891 5 8	29057 13 4		
Other Articles,	15823 11 3	1707 4 0	£20 0 0	1566 6 11	11320 0 4		
Add for ships built at Quebec, during the year—say, 49615 tons, at £12 10s. per ton,	4882860 19 11	2216164 9 4	5945 16 11	345116 7 11	2230965 10 1	52147 15 6	
Total value of Exports, as reported,	5503057 9 11	2860351 19 4	5045 16 11	345116 7 11	2234095 10 1	52147 15 6	
Great Britain,		£2407980	£3015603	£2067783	£4922200		
North American Colonies,		96404	109224	126258	158164		
West Indies,		1172	3406	1278	509		
United States,		1648715	2091441	2119423	2745536		
Other Foreign Countries,		91301	142574	102809	268507		
Brought forward,					5503057 9 11		
To the value of Exports from Inland Ports, add 20 per cent.,					447268 5 0		
Grand Total of Exports,					£5950325 15 0		
The grand total of exports for three years were: 1851, £3,452,051; 1852, £3,826,091; 1853, £5,950,325.							

IMPORTS AND EXPENSES VIA THE ST. LAWRENCE.

Imports,	£4555074 2 9
Goods in transit for United States,	261991 0 4
Exports,	3268900 19 2
Value of Ships built at Quebec,	620187 10 0

Total value of Imports and Exports via the St. Lawrence, £8706213 12 3

The exports at the six principal ports in the year 1850 and 1853 were as follows: Quebec, 1850, £1,297,523; 1853, £2,443,457. Montreal, 1850, £436,193; 1853, £883,722. Toronto, 1850, £67,557; 1853, £221,490. Hamilton, 1850, £88,222; 1853, £206,719. Dalhousie, 1850, £79,528; 1853, £182,188. St. Johns, 1850, £303,959; 1853, £161,109.

The imports at the six principal ports in 1850 and 1853 were: Montreal, 1850, £1,726,356; 1853, £3,381,539. Toronto, 1850, £34,722; 1853, 1,605,054. Quebec, 1850, £94,139; 1853, 1,141,594. Hamilton, 1850, 395,782; 1853, 886,377. Kingston, 1850, 87,562; 1853, 212,348. Stanley, 1850, £33,849; 1853, 131,007.

Thus, it appears that for exports the ports take rank thus: Quebec, Montreal, Toronto, Hamilton, Dalhousie, St. Johns; and for imports, Montreal, Toronto, Quebec, Hamilton, Kingston, and Stanley. In exports, Quebec has made the largest absolute and Toronto the largest relative

Hence, it appears, that the greatest increase has taken place under the head of other foreign countries, amounting from 1850 to 1853 to £177,204, or 170 per cent. The next greatest increase is in the imports from Great Britain, amounting from 1850 to 1853 to £2,211,300, or 90 per cent.; the next is in those of the United States, amounting in the same period to £1,296,821, or 78 per cent.; and the next is in those from the North American Colonies, amounting to £61,700, or 64 per cent. It is a noticeable fact, that, whereas the imports from Great Britain fell off from 1851 to 1852 by £344,250, while those from the United States increased by £27,982; from 1852 to 1853, while the imports from the United States increased only by £826,113, those from Great Britain increased by £1,954,497.

The duties have gone on in the following manner: Gross collection in 1850, £615,694; in 1851, £727,439; in 1852, £739,263; in 1853, £1,028,076. The net revenue last year from duties was £986,597, for the charges have been kept down to a rate only a little in excess of that of 1850. In 1850, these, including returned duties, were £34,562, and in 1853, was £43,184; and out of this augmentation, the returned duties had increased by £1,000.

Exports.—In 1853 the total exports were as follows—stated in value, and distinguishing the countries to whence they were shipped, viz.:

Value Exports from Quebec, £2443457 10 0
" " Montreal, 746050 8 0
" " Gaspe, 32667 19 11
" " N. Carlisle, 20942 14 6
" " Amherst, 14597 1 6

Total value of Exports from Sea Ports, £266716 2 11
 " " Inland Ports, 2236341 7 0

advance) absolutely The total and in 18 or 37 per cent. 800000 1,134,508 270 were t Arrived parted from Arrived parted from The ton follows, to British, 31,622; Pr lburgh, 14, 1,391, At 1,455 tons

Seat of C olony; S ate Seer Farnshaw, Loyalist Hon. Mich Lewis M. A. Receiver G entary; I Stephen F Clerk of Province Provincial Receiver Clerk—Edw Crown J General; H W. Nutting Ward J eal; C. H. Account B Henry Dris Messenger; or Carriers Phinicia Samuel Cres Queen's I A. J. Ritch

Hon. Mich Wm. Rober John Hugh Stanley Alex. M. B. Edwin

Hullfax, J. Colchester, McLell Cumberland Pictou, J. I. Hants, B. S. Kings, D. M. Annapolis, B. M. Digby, Fran Lunenburg Queen's, S. Shelburne, Yarmouth, Sydney, H non. Guysborough bell.

Albion Min Amherst, J Annapolis, Antigonish

of lock-tenders, the canal for a no. 48, £30,815; 49, 52, £69,302; 50, used rather faster ing in '47, £50,031, 47, £8,999, and in s in three years, 1853, £7,965,359, £449,970, and the vance, including ports in the year 1 for the United 8,177,065, showing States and from 178,294. ions countries la

advance in imports, Montreal has made the largest advance absolutely, and Hamilton relatively.

The total exports and imports in 1852 were 8,808,527; and in 1853, 15,915,684, making an increase of 5,947,159, or 37 per cent.

SHIPPING.—Entered inwards, including inland ports, 1,341,598 tons; outwards, 4,307,170 tons; of which 2,092, 279 were foreign, and 6,059,165 British.

Arrived at Quebec, 1,351 vessels of 579,728 tons. Departed from Quebec, 1,406 vessels of 599,567 tons. Arrived at Montreal, 252 vessels of 5,5712 tons. Departed from Montreal, 255 of 59,992 tons.

The tonnage of the several nations for both ports was as follows, taking arrivals only, viz.:

British, 92,642; United States, 37,763; Norwegians, 31,922; Prussians, 9,711; Swedes, 1,513; Dutch, 612; Hamburg, 1,431; Bremen, 323; Spanish, 233; Portuguese, 1,391. Among the clearances, we notice for Portugal, 1,485 tons; Spain, 191 tons; Australia, 1,432 tons.

The total number of tons of shipping entered from sea, were in 1851, 581,395; 1852, 511,111; 1853, 622,579. On the inland waters, the total tonnage entered inwards, was 3,821,989, and the total outwards, 3,618,323.

The ships built in the Province during 1853, are put down at two steamers and 136 sailing vessels of an aggregate tonnage of 50,070. Of these Quebec built 59 of 41,541 tons, or nearly 9000 tons each; and the value of ships exported from Quebec is stated to have been in 1851, 416,550; 1852, 262,000; 1853, 629,187.

DISTILLARIES.—Canada East, 1850, 11 stills, 79,914 gals.; in 1851, 11 stills, 299,129 gals.; in 1852, 7 stills, 413,111 gals.; in 1853, 10 stills, 589,012 gals. Canada West—in 1850, 152 stills, 1,388,198 gals.; in 1851, 138 stills, 2,002,512 gals.; 1852, 128 stills, 2,052,872 gals.; in 1853, 129 stills, 2,145,680 gals. Total gallons in 1850, 2,068,112; in 1852, 2,725,092.

Revenue from stills and whiskey in 1850, 10,217; 1851, 10,914; 1852, 11,549; 1853, 12,759.

PROVINCE OF NOVA SCOTIA.

Seat of Government, Halifax. Lieut. Governor, His Excellency Sir JONAS GASTON LE MAURANT, Knight. Private Secretary, R. E. Rushworth. Aide-de-Camp, Lieut. Fanshawe.

Executive Council.—Hon. Wm. Young, Attorney General; Hon. Michael Tolin, President Legislative Council; Hon. Lewis M. Wilkins, Provincial Secretary; Hon. Jas. McNab, Receiver General; Hon. Samuel Creelman, Financial Secretary; Hon. Wm. A. Henry, Solicitor General; Hon. Stephen Fulton, Hon. James McLeod.

Chief of the Council.—Hon. Lewis M. Wilkins. **Provincial Secretary's Office.**—Hon. Lewis M. Wilkins, Provincial Secretary; W. H. Keating, Deputy Secretary.

Receiver General's Office.—Hon. James McNab, Receiver-Gen. Clerk—Edward Buckett.

Crown Law Department.—Hon. Wm. Young, Attorney General; Hon. Wm. A. Henry, Solicitor General; James W. Nutting, Esq., Clerk of the Crown.

General Post Office.—Arthur Woodgate, Postmaster General; C. H. Hamilton, Chief Clerk; Fred. M. Papou, Clerk Account Branch; Wm. Small, J. M. Inglis, Hugh Kerr, Henry Driscoll, Clerks Inland Office; Godfrey M. Schwartz, Messenger; Wm. Craig, Alex. Church, George Craig, Letter Carriers.

Financial Secretary's Office.—Financial Secretary, Hon. Samuel Creelman; Clerk, David McCulloch.

Queen's Printer.—Wm. Amund, Esq.; Assistant, ditto, A. J. Ritchie.

Commissioners for constructing Railways.—Hon. Joseph Howe, Chairman; Hon. Jonathan McCully, Wm. Fryer, Jr., J. B. Anderson, P. M. Cunningham, Thos. J. Tobin, Clerk—John Morrow, Chief Engineer—Jas. R. Forman.

Crown Lands Department.—Hon. J. B. Croke, Commissioner of Crown Lands; Wm. A. Hendry, Deputy Commissioner.

Public Works Department.—Hon. D. Bell, Chairman; Hon. S. Cunard, and Wm. Murdoch, Esq., Members of the Board. — Secretary and Superintendent.

Customs Department.—H. Trew, Controller of Customs and Navigation Laws.

Militia Department.—Adjutant General, Lieut. Colonel Edw. Wallace, (unatt'd) Quarter Master Gen'l — Major of Brigade, Middle District, Major the Hon. Michael Tolin, (unatt'd); Judge Advocate General, Andrew M. Finlay, Esq.; Paymaster General, —

Educational.—Hugh Monro, Esq., M.P.P., Inspector of Schools of Eastern District; C. D. Randall, Esq., Inspector of Schools of Western District.

Judiciary.—Hon. B. Halliburton, Chief Justice; Hon. A. Stewart, Master of the Rolls and Judge of Vice Admiralty Court; Hons. W. B. Bliss, P. P. Halliburton, E. M. Doid, and W. E. De Bares, Judges of the Supreme Court; Hon. Wm. Young, Attorney General; Hon. Wm. A. Henry, Solicitor General; J. W. Nutting, Prothonotary and Clerk of the Crown.

LEGISLATIVE COUNCIL.

- Hon. Michael Tolin, Pres't, Halifax.
- " Wm. Rudolf, Lunenburg.
- " Robert M. Cutler, Lunenburg.
- " John Morton, Kentville.
- " Hugh Bell, Halifax.
- " Stayley Brown, Yarmouth.
- " Alex. McDougall, Antigoneste.
- " M. B. Almon, Halifax.
- " Edward Keim, Halifax.

- Hon. Jas. D. Harris, Kentville.
- " Alex. Keith, Halifax.
- " Wm. A. Black, Halifax.
- " David Urquhart, Pictou.
- " Henry G. Pince, Pugwash.
- " John E. Fairbanks, Dartmouth.
- " Jas. McNab, Halifax.
- " Jonathan McCully, Halifax.
- " Wm. Grigor, M.D., Halifax.

- Hon. Wm. McKeen, Mabon.
 - " R. A. McElroy, Windsor.
- Permanent Officers.**—Ven'ble Archdeacon Willis, D.D., Chaplain; John C. Halliburton, Clerk; John W. Ritchie, Law Clerk; J. J. Sawyer, Gent. Usher of the Black Rod.

HOUSE OF ASSEMBLY.

Hon. STEWART CAMPBELL, Speaker.

- Halifax, J. Esson, W. Amund.
- Colchester, A. G. Archibald, G. W. McLellan.
- Cumberland, J. Howe, S. Fulton.
- Pictou, J. Holmes, R. Murray.
- Hants, B. Smith, N. Mosher.
- Kings, D. Moore, M. Beckwith.
- Annapolis, Hon. J. W. Johnston.
- Digby, Francis Bourneuf.
- Lunenburg, J. Crelighton, B. Zwleker.
- Queen's, S. P. Freeman, J. Campbell.
- Shelburne, Thos. Coffin.
- Yarmouth, Thos. Killam.
- Sydney, Hon. W. A. Henry, J. McKinnon.
- Guyborough, J. J. Marshall, S. Campbell.

- Cape Breton, D. A. McQueen.
- Victoria, H. Munro, J. Munro.
- Inverness, Hon. W. Young, P. Smyth.
- Richmond, Jas. B. Uniacke.
- Halifax, (City) L. O'C. Boyle, B. Welr.
- Colchester, (North District) J. Campbell.
- Colchester, (South District), Hon. S. Creelman.
- Amherst, W. W. Bent.
- Pictou, (Town) Martin J. Wilkins.
- Windsor, Hon. Lewis M. Wilkins.
- Newport, Ichabod Dimock.
- Falmouth, E. Young.
- Cornwallis, S. Chipman.
- Horton, Ed. L. Brown, M.D.
- Granville, Stephen S. Thorn.

- Annapolis, Alfred Whitman.
 - Digby, J. C. Wade.
 - Clare, Anselm F. Comeau.
 - Yarmouth, Jesse Shaw.
 - Argyle, John Ryder.
 - Shelburne, J. Locke.
 - Barrington, Josiah Coffin.
 - Liverpool, (Town) A. Cowie.
 - Lunenburg, " H. S. Jost.
 - Sydney (C. B.) " Hon. J. McLeod.
 - Arichat (C. B.) " Henry Martell.
- Permanent Officers.**—Jes. Whidden, Clerk; Henry C. D. Twining, Clerk Assistant; Rev. J. T. Twining, D.D., Chaplain; G. R. Grassie, Sergeant-at-Arms; Phillip Brown, Assistant Sergeant-at-Arms.

POST OFFICES IN NOVA SCOTIA.

- Albion Mines, H. McKenzie.
- Amherst, J. W. Smith.
- Annapolis, D. J. Henderson.
- Antigonish, H. P. Hill.

- Arichat, H. McDonald.
- Aylesford, J. D. Van Burskirk.
- Baddock, C. B., W. Kidston.
- Barrington, J. O. Geddes.

- Bridgetown, Thos. Shurr.
- Bridgetwater, A. Morse.
- Canso, Geo. Norris.
- Chester, A. Lovett.

POST OFFICES IN NOVA SCOTIA—continued.

Clement's Port, Moses Shaw.
 Digby, H. Stewart.
 Durham, A. Cameron.
 Granville, B. Field.
 Guysboro', W. Cutler.
 Hants Port, A. J. Harris.
 Kentville, J. F. Hutchinsan.
 Lawrence Town, S. Chipman.
 Liverpool, S. P. Calkin.
 Londonderry, J. Campbell.
 Locks Island, X. Chipman.
 Lower Horton, J. Borden.
 Lower Stewiacke, W. H. Idsworth.
 Lower Musquodoboit, S. L. Henry.
 Lunenburg, W. Rudolf.
 Maitland, A. Roy.

Mahone Bay, H. Knaut.
 Middle Musquodoboit, R. A. Kaulback.
 New Glasgow, J. Fraser.
 Newport, J. F. Cochran.
 North Sydney, C. A. Martin.
 Parrsboro', P. Blake.
 Pletou, A. S. Ross.
 Plaister Cove, J. G. McKeen.
 Port Hood, J. D. Trenain.
 Port Medway, E. Colaru.
 Pugwash, L. Borden.
 River John, A. Archbald.
 River Philip, G. Phillips.
 St. Margaret's Bay, W. E. Erino.
 Shelburne, R. R. Thompson.
 Shebrooke, A. McDonald.

St. Peter's, G. T. Handley.
 Sydney, Robt. Martin.
 Sydney Mines, D. G. Rigby.
 Shubenacadie, F. R. Parker.
 Talamaquouche, J. Lomlard.
 Teuro, John Ross.
 Wallace, J. Henstis.
 Wilton, C. R. Allison.
 Weymouth, C. P. Jones.
 West River, W. Muuroo.
 West Port, T. Bancroft.
 Windsor, D. E. Geldert.
 Wilmot, A. Gibbon.
 Wolfville, W. Johnson.
 Yarmouth, H. G. Farrissh.

PROVINCE OF NEW BRUNSWICK.

Seat of Government, St. John; Lieutenant-Governor, His Excellency The Hon. J. H. MANNESS SUTTON; Private Secretary, G. T. M. Campbell, Esq.
Executive Council.—Senior Member, Hon. E. B. Chandler; Clerk, John C. Allan, Esq.
Legislative Council.—President, Hon. William Black; Clerk, George Botsford, Esq.
House of Assembly.—Speaker, Hon. Paul Harrington; Clerk, Charles P. Wetmore, Esq.
 Provincial Secretary, Hon. J. R. Partlow; Surveyor-General, Hon. R. D. Wilnot; Prov'l Treasurer, Beverley Robinson, Esq.; Receiver-General, Hon. Thomas C. Lee;

Auditor-General, Hon. F. P. Robinson; Comptroller of Customs, St. John, Alex. Grant, Esq.; Superintendent of Schools, M. D'Avray, Esq. Chief Justice, Hon. James Carter; Puisne Judges, Hon. W. Parker, R. Parker, G. F. Suet, and L. A. Wilnot; Attorney-General, Hon. John A. Street; Solicitor-General, Hon. W. B. Kinnear; Advocate-General, Wm. Wright, Esq.; Clerk of the Crown, Andrew Barberie, Esq.; Clerk of the Pleas, William Curran, Esq.; Clerk of the Circuits, Hon. J. S. Saunders; Register in Chancery, D. L. Robinson, Esq.; Registrar in Vice-Admiralty Court, John M. Robinson, Esq.; Mayor of Fredericton, John C. Allen, Esq.; Mayor of St. John, James Olive, Esq.

POST OFFICES IN NEW BRUNSWICK.

Andover, Benjamin Beveridge.
 Baie Verte, Stephen Gordon.
 Bathurst, Thomas Carman.
 Bend of Petticoadie, Joseph Crandall.
 Campbellton, James S. Morse.
 Camps Bello, Bernard Gallogher.
 Chatham, James Cate.
 Colebrook, Abijah W. Raymond.
 Dalhousie, George B. Cooper.
 Dorchester, Charles Godfrey.
 Edmundston, John Hodgson.

Fredericton, Andrew S. Phair.
 Gagetown, William F. Bonnell.
 Haulton Ferry, Henry Hallett.
 Harvey, J. E. Upham.
 Hillsborough, Richard Steeves.
 Kingston, Samuel Foster.
 Memramcook, Silas Charters.
 Mill Town, James Bowes.
 Newcastle, Edward Williston.
 Oromocto, John McPherson.
 Richibucto, John Gifford.

Sackville, Christopher Milner.
 Salisbury, George Pitfield.
 Shediac, Edward Smith.
 Shellfield, James Hamilton.
 St. Andrews, George F. Campbell.
 St. George, John Wallace.
 St. Martin, John Foster.
 St. Stephens, David A. Rose.
 Sussex Vale, Hugh McMonayle.
 Upper Mills, Albert Robinson.
 Woodstock, James Grover.

LIST OF WAY-OFFICES IN NEW BRUNSWICK.

Arastook, George Cox.
 Baker's Creek, Prudent Gagnon.
 Barabois, Thomas Gulong.
 Bathurst Village, John McAllister.
 Baie du Vin, Alex. Williston.
 Bay Side, Frederick W. Bradford.
 Bear Island, Lewis Huestis.
 Beckagenimeak, William S. Nevans.
 Belle Dune, John Chalmers.
 Belleisle Bay, James Lake.
 Bellevue Village, John W. Chapman.
 Black River (Northumberland Co'y).
 William McNaughton.
 Black River (St. John Co.), W. Hawkes.
 Blackville, Simon Bean.
 Blissville, John Decantillon.
 Blissfield, Timothy Coleman.
 Boacbee, James McLaughlan.
 Boistown, Miles McMillan.
 Bonaventure Presqui Isle, Richard Clarke.
 Buctouche, Charles J. Smith.
 Buctouche Ridge, W. H. Keith.
 Cabot's Settlement, S. Bennett.
 Canning, James R. Curry.
 Cape Tormentine, Colin Vanbuskirk.
 Caraquet, James Blackhall.
 Carleton, George F. Harding.
 Coal Mines, Henry C. Rabbit.
 Cocagne, James Long.
 Coldstream, Samuel Dickenson.
 Coverdale, William Smith.
 Creek Road, Amos Keith.
 Cross Roads, Wm. M. Cassidy.
 Curry Ville, John Beaumont.
 Dawson Settlement, Isaac Dawson.
 Douglas Harbor, * * * *
 Douglastown, Richard Hutchison.
 Dover, William Beattie.
 Dumbarton, George Wilson.
 Dunfries, Solomon Howe.
 Bel River, Henry Jones.

Elgin, Joseph Robinson.
 Emigrant Settlement, Ephraim Ward.
 Finger Board, Joseph Douglas Baxter.
 Flatlands, Archibald McKenzie.
 Flowers' Cove, John Maynard.
 Fox Creek, Philip Burke.
 French Village, Caleb J. Stewart.
 Gardner's Creek, John Wallace.
 Gaspenoux, George Dunn.
 Geary, William Smith.
 Germantown, William Fillemore.
 Goshen, James Stevens.
 Grand Anee, Francis Le Gresley.
 Grand Manan, Joseph Lakeman.
 Grand River, Edwin A. Kerby.
 Great Shemogone, * * * *
 Greenfield, * * * *
 Hammond River, Washington Alden.
 Hampstead, William Dunn.
 Hardwicke, Robert Noble.
 Harvey, Thomas Cockburn.
 Head of L'Etang, Simon McCarroll.
 Head of Petticoadie, James Price.
 Hopewell Corner, Owen Anderson.
 Hopewell, "The Cape," M. B. Palmer.
 Hopewell, "The Hill," Wm. Hallitt.
 Indian Town, John B. Andrews.
 Jacksontown, Christopher Graham.
 Jameville, Hugh A. Cate.
 Jolfeure, James W. Oulton.
 Kennebecensis Bay, Wm. Raffray.
 Kingsclear, George A. Hammond.
 Kingston, John W. Holderness.
 Konehdouguac, William S. Cate.
 Lepreaux, Bela R. Lawrence.
 Little Beach, William Fownes.
 Little River, Moses Cockburn.
 Little Rocher, Converso Richardson.
 Little Shemogone, Thomas Oulton.
 Loch Lomond, John Jordan, Jun.
 Londonderry Settlement, Jas. Douglas.

Long Creek, David Lawson.
 Lower Brighton, Benjamin Noble.
 Lower Coverdale, Milledge Steeves.
 Lo'r Hillsborough, Nehemiah Bennett.
 Lower Neweaston, David Goodfellow.
 Ludlow, John Nelson.
 Macatapack, Daniel Jewett.
 Madawaska, Peter C. Arniciaux.
 Madisac, John Woolner.
 Magagnadavie, Solomon Vail.
 Manville, James Fraser.
 Mangerville, Thomas Lindsay.
 Mechanics' Settlement, Alex. Moore.
 Middle Simonds, Thomas Boud.
 Mill Cove, Chas. W. Cox.
 Millstream, John H. Ryan.
 Moncton, M. D. Harris.
 Mount Whitley, Edward Carter.
 Mouth of Koswick, Joseph Hallett.
 Mouth of Millstream, T. R. Burgess.
 Mouth of Nerepis, John M. Nase.
 Munquart, Murphy Gibberson.
 Murray's Corner, Pinguay Murray.
 Musquash, G. C. Carman.
 Naasvaak, Patrick W. Campbell.
 Naasvaaksis, David C. Parent.
 Naaswaak Village, John L. Fletcher.
 Nelson, Thomas McKie.
 New Bundon, William Southwood.
 New Canaan, Benjamin Keith.
 New Jerusalem, Samuel Mahood.
 New Mills, Donald McAllister.
 Northampton, Hugh Gibson.
 North Esk Boom, James Hutchison.
 North Joggins, Rufus Cole.
 Norton, John Hayes.
 Oak Bay, Henry Polley.
 Oak Point (K. Co.), Jas. L. Flewelling.
 Oak Point (Northumb.Co.) A. Davidson.
 Pateriville, Edward J. Lyons.
 Pisarino, Thomas Gilbruth.

Pockmon
 Pollett R
 Poquillon
 Port Elgi
 Presqui I
 Prince W
 Quaco Ro
 Red Bank
 Richmond
 River de
 Rusagoro
 Salmon B
 Salmon I
 Patters
 Salt Sprin
 Seely's M
 Shepody I
 Shipplau

General
 B. Hutchi
 Langrill,

Seat of
 His Excel
 Executive
 Secretary;
 John May
 Conroy, R.

CON-ST

First Dist
 Second Di

Third Dist

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General Po
 Thomas
 Anderson's
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 Barrett's C
 Bellique, C
 Belfast, Jo
 Bonshaw, C
 Brackley Pe
 Cape Trave
 Casemupch
 Cavendish
 Core Head
 De Sable, C
 Farnfield, P

Seat of
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Executive
 Robinson,
 E. M. Arch
 Secretary a
 T. Noak, S
 T. B. Job;

Officers of
 inson, Mas
 Black Rod.
 House of
 St. John's—
 Bay—E. H.
 Trinity Bay
 H. Emerson
 Mary's—A.
 Fortune Ba
 Permanen

WAY-OFFICES IN NEW BRUNSWICK—continued.

Poekmonche, Thomas Hardinge.
Pollett River, Benjamin R. Colpits.
Poquiock, Thomas Temple.
Port Elgin, John Mounroe.
Preston's Isle, Thomas Johnston.
Prince William, John Hea.
Quaco Bank, William Heaffle.
Red Road, Michael McKindrick.
Richmond, Thomas Currie.
River de Chute, Henry Baird.
Rusgorons, Thomas H. Smith.
Salmon River (Q. Co's) C. Kierstead.
Salmon River (St. John County), R. B. Patterson.
Salt Springs, Robert Loekey.
Seely's Mills, Robert Morrison.
Shepody Road, Weedon Fowler.
Shippigan, Thomas S. Baldwin.

Simonds, Stephen G. Burpee.
Smith's Creek, James E. White.
Smith's Town, Ebenezer Smith.
Southampton, Thomas C. Atherton.
South Bay, Joseph Boggs.
South Br. Kenuleecassis, Dan. Godard.
South Branch, Ormotto, C. Flowers.
Springfield, Malcolm King.
Spruce Lake, Edward Stapleton.
Stanley, James Malone.
St. Basil, Thomas D. Ryan.
Sussex Portage, William L. Teakles.
Tabisintar, Roderick McLeod.
Taylor Village, Charles Taylor.
Ten Mile Creek, John S. Parker.
Traeddie, James Young.
Uplam, Isaac A. Dodge.
Upper Bay du Vin, William Dickens.

Upper Brighton, Wm. B. Thompkins.
Upper Kent, George Milberry.
Upper Queensbury, Israel Atherton.
Upper Sackville, Edwin Ayer.
Upper Smith's Creek, Wm. Mace.
Upper Southampton, John S. Patterson.
Upper Sussex, John McLeod, jun.
Upper Wicklow, George Milberry.
Upper Woodstock, Wm. Woodworth.
Victoria George B. Boyer.
Welster's Creek, John Keaton.
Westcock, Thomas Lyons.
Westmoreland Point, Thos. E. Oulton.
Wickham, Robert Golding.
Wicklow, John H. Estey.
Williamstown, W. D. Estey.
Wood Point, Stephen Barnes.
Young's Cove, Robert Snodgrass.

General Post Office.—John Howe, Esq., Postmaster-General; W. W. Barnard, Cashier; W. D. French, Chief Clerk; V. B. Hutchison, 2nd do.; H. C. Frink, 3rd do.; K. J. Leavitt, 4th do.; T. B. Allan, 5th do.; F. H. Fowler, 6th do.; John Langrill, Office Keeper; John Leitch, 1st Letter Carrier; James Leitch, 2nd do.

PROVINCE OF PRINCE EDWARD'S ISLAND.

Seat of Government, Charlottetown. Lieut. Governor. His Excellency, SIR ALEXANDER BANNERMAN, Knt.
Executive Council.—Hon. Francis Longworth, Colonial Secretary; Hon. Edward Palmer, Attorney General; Hon. John Myrie Hall, Donald Montgomery, James Herron Conroy, R. McAuley, Emanuel McEachern.

Clerk of the Council.—Charles Desbrisay.
Legislative Council.—Donald Macdonald, President; Rev. Dr. Jenkins, Chaplain; Chas. Desbrisay, Clerk; Hon. E. Whelan, Printer; Henry Palmer, Sergeant-at-Arms and Usher of the Black Rod.
Postmaster General.—Thomas Owen.

HOUSE OF ASSEMBLY.

CONSTITUENCIES. NAMES.
King's County.
First District, W. Cooper, J. McEntosh.
Second District, Hon. E. Wheeler, J. Dingwall.
Third District, J. Wightman, Hon. E. Thornton.
Georgetown, A. McDaniel, Thomas H. Haviland.

CONSTITUENCIES. NAMES.
Charlottetown, Hon. E. Palmer, Hon. F. Longworth.
Queen's County.
First District, Hon. G. Coles, A. Land.
Second District, W. McGill, R. Mooney.
Third District, W. Dunc. D. McIntosh.
Prince County.
First District, Hon. Jas. Warburton, James Leo.

CONSTITUENCIES. NAMES.
Second District, Stanislaus Perry, W. Clark.
Third District, Hon. W. Lord, James Muirhead.
Prince Town, Hon. J. H. Haviland, Hon. B. Montgomery.
Clerk.—John McNeil.

POST OFFICES IN PRINCE EDWARD'S ISLAND.

General Post Office, Charlotte Town.
Thomas Owen, Postmaster General.
Anderson's Road, Patrick Murphy.
Bay Fortune, W. Underhay.
Barrett's Cross, W. Glover.
Bedique, Colin McLalland.
Bellfast, Joseph A. Rinson.
Bonshaw, John Garvie.
Brackley Point, James Auld.
Cape Traverse, Hector Campbell.
Casepumper, Alex. Mcgorson.
Cavendish, Daniel McNeil.
Core Head, Jas. Shaw.
De Sable, Colin Holmes.
Famfield, Patrick Kavenugh.

Port Augustus, Francis Kelly.
George Town, Martin Byrne.
Kildare, Henry W. Heule.
Lot 7, Martin Holleran.
Lot 11, James Kilbude.
Lot 16, James Lysle.
Lot 47, Alexander McVain.
Lot 67, John McKay.
Mount Pleasant, A. Ezau.
Murray Harbor, John Dulzail.
New Glasgow, Andrew Nesbet.
New London, D. McIntyre.
Orwell, Donald McLeod.
Park Corner, William Cousins.
Port Hill, James Crusswell.

Prince Town, John Campbell.
Quagnore, John Ayres.
Rustico, John Farrolough.
Saint Eleonors, James J. Frasier.
Saint Margarets, Donald McDonald.
Saint Peters, John Jardine.
Saint Peter's Bay, John Sutherland.
Somers, Jas. McFarlane.
Summerside, Patrick Pomer.
Tignish, William Hubbard.
Traveller's Rest, John Townshend.
Tryon Heave, Thomas Hoekins.
Vernon River, Matthew Rodmond.
West Cape, James Kinley.
White Sands, Wm. Bell.

PROVINCE OF NEWFOUNDLAND.

Seat of Government, St. John's; Governor, His Excellency KER BAILEY HAMILTON, Esq.; Private Sec'y, Aulo-damp, Lieut. S. B. Kekewich.
Executive and Legislative Council.—Hon. Major William Robinson, Commanding Royal Engineers, Commandant; E. M. Archibald, Attorney General; J. Crowley, Colonial Secretary and Clerk of Council; W. B. Row; W. Thomas; J. Noad, Surveyor-General; C. E. Bennett; L. O'Brien; T. B. Job; J. J. Grieve.
Officers of Legislative Council.—C. Ayre, Clerk; B. Robinson, Master in Chancery; F. R. Ronnie, Usher of the Black Rod.
House of Assembly.—J. Kent, Speaker. Constituencies: St. John's—J. Kent, R. J. Parsons, P. E. Little; Conception Bay—E. Hanrahan, J. Haywood, J. Bemister, W. Talbot; Trinity Bay—S. March; Bonavista—J. Warren; Fogo—G. H. Emerson; Ferry Land—P. Winsor; Placentia and St. Mary's—A. Shea, G. J. Hogsett; Burin—C. Benning; Fortune Bay—H. W. Hoyleys.
Permanent Officers.—J. Stuart, Clerk; R. Holden, As-

sistant Clerk; J. Little, Solicitor; E. Rendell, Sergeant-at-Arms.
Colonial Secretary's Office.—Hon. James Crowley, Colonial Secretary.
Treasurer's Office.—R. Carter, Colonial Treasurer.
Survey Department.—Hon. J. Noad, Surveyor-General.
Crown Law Department.—Hon. E. M. Archibald, Attorney General; Hon. E. H. Emerson, Solicitor-General.
Customs Department.—John Kent, Collector of Revenue.
Judiciary.—Hon. F. Brady, Chief Justice; Hon. A. W. De Barres, and J. Simms, Assistant Judges; C. Simms, Chief Clerk and Registrar of Supreme and Central Court; J. Stark, do. Northern Circuit Court; G. Simms, do. Southern Circuit Court.
Educational.—Grants to this Department are expended under the authority of local boards appointed by the Governor.
Post Office Department.—W. S. Solomon, Postmaster-General; Martin Shea, First Clerk and Accountant; E. Solomon, Assistant; John Freeman, Messenger & Asserter.

Harbor Grace, Andrew Drysdale.
 Carbonear, Edmund M. Haurahan.
 Bregas, William J. Stentaford.
 Trinity, A. Buchanan.
 Bonavista, John Lawrence.

POST OFFICES IN NEWFOUNDLAND.

Green's Pond, Lorenzo Moore.
 Fogo, James Fitzgerald.
 Twillingate, Joseph J. Pearce.
 Bay Bulls, Martin Williams.
 Ferryland, John Morcy.

Trapassey, John Devereaux.
 St. Mary's, Hannal March.
 Placentia, M. Morris.
 Burin, Thomas Elmett.
 Harbor Briton, Thomas E. Gaden.

BANKS IN CANADA, WITH THEIR AGENCIES, &c.

PLACES.	NAMES OF BANKS.	OFFICERS.
<i>Brieris</i> . . .	Upper Canada	E. Lally, Agent.
Commercial	S. M. Sandford, Agent.	
<i>Bileville</i> . . .	Upper Canada	A. Holden, Agent.
Commercial	J. Findlay, Agent.	
"	Montreal	J. McNider, Agent.
<i>Berlin</i> . . .	Upper Canada	George Davidson, Agent.
<i>Bonnaville</i> . . .	Montreal	James Simpson, Agent.
City Bank	Robert Armour, Agent.	
<i>Branford</i> . . .	B. N. America	C. F. Smithers, Manager.
Montreal	A. Greer, Agent.	
<i>Brookville</i> . . .	Upper Canada	R. F. Church, Agent.
Commercial	Andrew Thomson, Agent.	
"	Montreal	F. M. Holmes, Agent.
<i>Bytown</i> . . .	Upper Canada	R. S. Cassels, Agent.
"	B. N. America	A. C. Kelly, Agent.
"	Montreal	P. P. Harris, Agent.
"	Quebec	H. V. Noel, Agent.
<i>Chatham</i> . . .	Upper Canada	George Thomas, Cashier.
Gore	A. Charteris, Agent.	
<i>Chippewa</i> . . .	Upper Canada	James Macklem, Agent.
<i>Cobourg</i> . . .	Montreal	C. H. Morgan, Agent.
<i>Conneoll</i> . . .	Upper Canada	J. F. Pringle, Agent.
Montreal	W. Mattice, Agent.	
<i>Dundas</i> . . .	B. N. America	William Iashi, Agent.
<i>Elora</i> . . .	Upper Canada	
Gore	John Davidson, Agent.	
Commercial	Adam Ainslie, Agent.	
<i>Goderich</i> . . .	Upper Canada	John McDonald, Agent.
Montreal	T. M. Jones, Agent.	
<i>Guelph</i> . . .	Gore	T. Sandilands, Agent.
Montreal	J. McLean, Agent.	
<i>Hamilton</i> . . .	Gore	A. Steven, Cashier.
Upper Canada	Alfred Stow, Cashier.	
"	B. N. America	R. C. Ferguson, Manager.
"	Montreal	Thomas Lee, Agent.
"	Commercial	H. McKinstry, Cashier.
<i>Holland Land</i> City Bank	A. McMaster, Agent.	
<i>Kingston</i> . . .	Commercial	C. S. Ross, Cashier.
Upper Canada	W. G. Hind, Cashier.	
"	B. N. America	S. Taylor, Manager.
"	Montreal	A. Drummond, Agent.
<i>Lindsay</i> . . .	Upper Canada	J. McKibbin, Agent.
<i>London</i> . . .	Upper Canada	James Hamilton, Cashier.
"	B. N. America	George Taylor, Manager.
"	Commercial	J. G. Harper, Agent.
"	Montreal	H. C. Barwick, Agent.
"	Gore	W. W. Street, Agent.
<i>Montreal</i> . . .	Montreal	A. Simpson, Cashier.
"	City Bank	F. McCulloch, Cashier.
"	Du Peuple	B. H. Lemoine, Cashier.
"	Molson's	W. Sache, Agent.
"	Upper Canada	James Wenham, Manager.

PLACES.	NAMES OF BANKS.	OFFICERS.
<i>Montreal</i> . . .	B. N. America	D. Davidson, Manager.
"	Commercial	A. H. Campbell, Cashier.
<i>Niagara</i> . . .	Upper Canada	T. McCormick, Agent.
<i>Nicolet</i> . . .	Quebec	J. M. Cross, Agent.
<i>Oshawa</i> . . .	Commercial	James Laing, Agent.
<i>Paris</i> . . .	Gore	James Nimmo, Agent.
<i>Perth</i> . . .	Commercial	A. Leslie, Agent.
<i>Peterborough</i> . . .	Commercial	Wm. Claxton, Agent.
"	Montreal	R. Nicholls, Agent.
<i>Pictou</i> . . .	Montreal	C. Mortimer, Agent.
<i>Port Hope</i> . . .	Upper Canada	E. P. Smith, Agent.
"	Commercial	W. F. Harper, Agent.
"	Montreal	R. N. Waddell, Agent.
<i>Port Stanley</i> . . .	Montreal	E. E. Warren, Agent.
<i>Preceott</i> . . .	Commercial	John Patton, Agent.
"	Montreal	W. D. Dickenson, Agent.
<i>Quebec</i> . . .	Quebec	C. Gethings, Cashier.
"	Upper Canada	J. F. Bradshaw, Manager.
"	B. N. America	R. Cassels, Manager.
"	Montreal	W. Gunn, Manager.
"	City Bank	Daniel McGill, Agent.
<i>Sarnia</i> . . .	Upper Canada	Alexander Vidal, Agent.
Commercial	G. W. Thomas, Agent.	
<i>Sault Ste Marie</i> B. N. America	J. Ballenden, Agent.	
<i>Sherbrooke</i> . . .	B. N. America	W. Dunn, Agent.
"	City Bank	W. Ritchie, Agent.
<i>Simcoe</i> . . .	Gore	D. Campbell, Agent.
<i>Southampton</i> . . .	Upper Canada	Alexander McNabb, Agent.
<i>St. Catharines</i> . . .	Niagara District	John Smart, Cashier.
"	Upper Canada	T. L. Hellwell, Cashier.
"	Commercial	George Rykert, Agent.
"	Montreal	H. Mittleberger, Agent.
<i>St. Thomas</i> . . .	Montreal	E. M. Yarwood, Agent.
<i>Stratford</i> . . .	Upper Canada	J. C. W. Daly, Agent.
<i>Three Rivers</i> . . .	Upper Canada	De Monin, Agent.
"	B. N. America	W. Souzall, Agent.
"	Montreal	J. L. McNair, Agent.
"	City Bank	James Dickson, Agent.
"	Quebec	John McDonzall, Agent.
<i>Toronto</i> . . .	Upper Canada	T. G. Ridout, Cashier.
"	B. N. America	W. G. Cassels, Manager.
"	Commercial	C. J. Campbell, Cashier.
"	Montreal	J. Stevenson, Jr., Manager.
"	City Bank	John Major, Manager.
"	Quebec	W. W. Ransom, Manager.
"	Du Peuple	E. F. Whittemore, Agent.
"	Farmers'	W. B. Phipps, Manager.
<i>Trenton</i> . . .	Montreal	J. Cumming, Agent.
<i>Walthy</i> . . .	Montreal	Thomas Dow, Agent.
<i>Woodstock</i> . . .	Gore	James Ingersol, Agent.
"	Montreal	W. P. Street, Agent.
<i>Windsor</i> . . .	Upper Canada	Thomas E. Trow, Agent.

FOREIGN AGENTS.

PLACES.	NAMES OF BANKS.	OFFICERS.
<i>London (Eng.)</i> . . .	B. N. America	Head Office.
"	Upper Canada	Glyn, Mills, & Co.
"	Commercial	Joint Stock Bank.
"	Montreal	Glyn, Mills, & Co.
"	Quebec	Glyn, Mills, & Co.
"	City Bank	Glyn, Mills, & Co.
"	Gore	Glyn, Mills, & Co.
<i>Liverpool (Eng.)</i> . . .	Montreal	Bank of Liverpool.
<i>Edinburgh (Sc.)</i> . . .	Upper Canada	British Linen Company.
"	Montreal	British Linen Company.
"	Commercial	Commercial Bank.
"	Gore	Union Bank.
<i>Glasgow (Scot.)</i> . . .	Montreal	British Linen Company.
<i>Dublin (Irel.)</i> . . .	Commercial	Boyle, Son, & Co.
"	City Bank	National Bank of Ireland.
<i>New York</i> . . .	Upper Canada	J. G. King & Sons.
"	B. N. America	Ward & Co.
"	Commercial	Merchants' Bank.

PLACES.	NAMES OF BANKS.	OFFICERS.
<i>New York</i> . . .	Montreal	Bank of Commerce.
"	Quebec	Maitland, Phelps, & Co.
"	City Bank	Bank of the Republic.
"	Gore	Ward & Co., and Merch. B'k.
<i>Boston</i> . . .	Montreal	S. Henshaw & Sons.
<i>Albany</i> . . .	Upper Canada	New York State Bank.
"	Commercial	New York State Bank.
"	Gore	New York State Bank.
<i>Oswego</i> . . .	Upper Canada	Luther Wright's Bank.
<i>Rochester</i> . . .	Upper Canada	Rochester City Bank.
<i>St. John (N.B.)</i> . . .	B. N. America	Bank of B. N. America.
"	Quebec	Commercial Bank, N. B.
<i>Halifax (N.S.)</i> . . .	B. N. America	Bank of B. N. America.
"	Montreal	Bank of Nova Scotia.
<i>St. Johns (N.F.)</i> . . .	B. N. America	Bank of B. N. America.
"	Montreal	Union Bank.
<i>Fredericton (N.B.)</i> . . .	Quebec	Central Bank.

BANK HOLIDAYS.

Upper Canada.—Queen's Birthday; Christmas Day; New Year's Day; Good Friday; Ash Wednesday, and Easter Monday. *L. Canada*.—New Year's Day; Epiphany; Annunciation Day; Good Friday; Ascension Day; Corpus Christi Day; St. Peter's and St. Paul's Day; All Saints' Day; Conception Day; Christmas Day and the Queen's Birth Day; also all days appointed by Proclamation for a Solemn Fast, or as a Day of Thanksgiving.

Unite

Lord Bis
 Mount
 and Ed
 Mackie
 Mount
 Quebec—
 Cowell
 F W Se
 D D,
 Percy,
 St Paul
 C H Ste
 Trinity
 Point Le
 Montmore
 Valenci
 E C Par
 St. Sylve
 Leeds—J
 Upper Ire
 Halfjaz
 Riviere du
 East Fran
 West Fran
 Portaufr
 Boury Lou
 Secretary
 Adamson
 Travelling
 Chaplain
 and Rich
 DIST
 Three Riv
 Riviere du
 —N Gue
 Nicolet—H
 Drummond
 DIST
 Kingsley—
 Shipton—
 Lenoxtoville
 M A, J B
 Sherbrooke
 Binet, As
 Eaton—J B
 Robinson—
 Compton—C
 Holey—H
 Dudswell—
 DIST
 Gaspé Bay—
 Cape Cove
 Prcce—Vae
 Neo Artist
 Hope To
 Milne, M
 Mzylden Is
 DIST
 DIOCE
 ms
 Lord Bishop
 Francis F
 Montreal—C
 J Bethun
 Archdeacon
 Canon, R
 rary Cano
 M Townse
 Rev C Bar
 Archdeacon
 Lower, M
 Bishop's Ch
 deacon L
 M A
 Bishop's Sec
 M A.
 St George's C
 D C L; R
 Minister.
 Trinity Chu

United Church of England and Ireland.

DIOCESE OF QUEBEC.

DISTRICT OF QUEBEC.

Lord Bishop of Quebec—Right Rev G J Mountain, D D. *Bishop's Official and Examining Chaplain*—Rev Geo Mackle, D D. *Private Sec*—Rev A Mountain, A B.

Quebec—Bishop of Quebec, Rector; G Cowell, A M, Chaplain to the Forces; E W Sewell, Holy Trinity; G Mackle, D D, Cathedral District; Gilbert Percy, B A, St Peter's; R G Pless, St Paul's; A W Mountain, Curate; C H Stewart, B A, Assistant Minister Trinity Chapel.

Point Levy—J Torrance

Montmorency Fall—R R Burrage.

Valcartier, Lake Beauport, Stoneham—E C Parkin.

St. Sylester and St. Giles—W King

Lords—J Carry

Upper Ireland, Inverness, and part of Halifax—H Roe

Riviere du Loup—E G W Ross

Est Prampton—W Merrick, B A

West Prampton—R Birch

Portneuf, F A Smith

Bourg Louis—T Pennefather, B A

Secretary to Church Society—W A Adamson, D C L

Travelling Missionary—A Allen

Chaplain to Labourers on the Quebec and Richmond Railroad—W Y Lloyd

DISTRICT OF THREE RIVERS.

Three Rivers—S S Wood, M A, Rector

Riviere du Loup and Lake Maskinonge—X Guerout

Nicole—H Burges.

Brunswickville—(A) M Ross, Rector.

DISTRICT OF ST. FRANCIS.

Kingsey—A Balbour

Shipton—D Falloon

Lemoxville—L Doolittle, J H Nicolls, M A, J Butler.

Starbrooke—J Hellimuth, D D; W Binet, Assistant

Eaton—J Dalziel

Robinson—J Kemp

Ompton—C P Reid

Hdley—H Burrage

Dudswell—T S Chapman

DISTRICT OF GASPE.

Gaspé Bay—W Delanare

Cape Core and Mal Bay—R Short

Prée—Vacant

New Carlisle, Bay Chaleurs, Pyspébiae, Hope Town, and Port Daniel—G Milne, M A

Majalen Islands—F Boyle

DIOCESE OF MONTREAL.

DISTRICT OF MONTREAL.

Lord Bishop of Montreal—Right Rev Francis Fulford, D D

Montreal—Cathedral, Dean, Very Rev J Bethune, D D; Senior Canon, Ven Archdeacon Lower, M A; Junior Canon, Rev S Gilson, M A; Honorary Canons, Rev James Reid, Rev M Townsend, Rev W T Leach, DCL, Rev C Bancroft, M A

Archdeacon of Montreal, Ven II M Lower, M A

Bishop's Chaplains, Venerable Archdeacon Lower, M A, Rev J Scott, M A

Bishop's Secretary, Rev Canon Gilson, M A.

St George's Church—Rev Canon Leach, D C L; Rev W B Bond, Assistant Minister.

Trinity Church—Rev A D Campbell

St Stephen's Church—J Eliegood, B A

St Luke's Church, Canon Gilson, M A

Military Chaplain—Rev E J Rogers

St Andrew's—Wm Abbott, Rector

Sord—W Anderson

Christieville—J A McLeod

St John—C Bancroft, M A, Rector.

Chambly—I P White, Rector

Shefford and Waterloo—A H Whiffen

St Martin's and St. Therese—T A Young

Mascouche and Terrebonne—R Cornwall

Henryville—E D Vernet, B A

Lachine—J Flanagan

Greenville and Chatham—C Forest

Russellton and Manningville—J Fulton

Sabrevois—D Gavin

Gore—J Griffin

Berliner—W Merrick, B A

Syrrington—H Hazard

Aylmer and Hall—J Johnston

Bolford—J Jones

Furnham and Brigitte—Wm Jones

Forest Village—D Lindsay

New Glasgow and Kilkenny—A D Lockhart.

Laprairie—R Lonsdell

Granby—Thomas Machin

Lavelle—C Morice

Buckingham—W Morris

Coteau du Lac—J Mountain, B A

Hamington, F S Neve

Hemmingford—Gerald de Courcy O'Grady, B A

Fanducal, J Pyke

St. Armand East—J Reid Rector

Abbotsford and Rougenont—Frederick Robinson

Hochelaga—Rev E J Rogers

Rawdon and Kildare—C Rollit

Stanbridge, Est—J Constantino

Dunham—J Scott, M A Rector

Brome and Sutton—R Lindsay

L'Acadie—J E Judd

Milton—G Slack

Clarenceville—M Townsend, Rector

St Armand West—R Whitwell, Rector

Ormston—W Brethour, B A

St René—E G Sutton

Chawansville, John Davidson

Shuley—A F Wetherall.

Clarendon—J S Sykes

Upton—J Godden

Sutton—H Montgomery

DIOCESE OF TORONTO.

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Norval—T W Marsh, B A

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London Township—C C Brough, A B, Rector.

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Arlcliffe—A Mortimer, Rector

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Bromley, James Strain
Hanfrey, Michael Byrne
Fitz Roy, Bernard Mc Feely
Hanby, Edward Vaughan
Richmond, Peter O'Connell
Gloicester, R R F Coopman, T Reboul
Cumberland, Jos. Michel
Plantagenet, Thomas O'Boyle
L'Original, L Almeras
Grenville, Jos David
Petite Nation, Arthur Mignault
St Andre Avelin, Joseph Storkoudris
Buckingham, John Brady
Gatineau, Luzaune Ginguet
La Peche, F Lauzier
Wakefield, P McGoev
Indians of La Gatineau, RR Rogis De-
 lenge, Fr Andrieux
Aylmer, James Hughes
Portage du Fort, Joseph Bouvier
Culmet, Louis Ouillet

DIOCESE OF KINGSTON.

Rt Rev Remi Gaulin, Bishop of King-
 ston
 Rt Rev Patriek Phelan, Administ.
 Apostolic of Kingston
Kingston, V R P Dollard, V G, John
 O'Conner, Secretary; John Foley,
 sen. (Penitentiary) Aug; McDonell,
 V G, Fran McDonagh, T McMahon,
 N Cluno
St Raphael's, V R J McDonald
Pictou, Murt Lalor
Belleville, Michael Brennan
Peterboro, John Farrell
St Andrew's, George Hay
Perth, J H McDonagh
Cornwall, John F Cannon
Tyndenaga, Charles Burke
Cobourg, Michael Timlin
Brockville, Oliver Kelly
Prescott, Edward P Roche
Kemptville, Daniel Farelly
Smith's Falls, Terence Smith
Regiopolis, Patrick Madden, D D
Hungerford, Dennis Begley
Lindsay, James Chisholm, D D
Winchester, Bernard Coyle
Asphodel, James Farrolly
Loboro, P McCray
Alexandria, John Mc Lachlan
Belford, John Foley, Jun.
Douro, Michael Mc Kay
Camden, Bernard Higgins
Guanoque, James Rossiter
 Emily, John Burke
Port Hope, Kieran O'Keoffo
Lochiel, John Meado
Trenton, H Bretargh

DIOCESE OF TORONTO.

Right Reverend Armand Francis Mary
 De Charbonnel, Bishop of Toronto;
 Very Revs. E Gordon and P Point,
 Vicars General; Ven and Rev P
 Molony, Archdeacon.
St Michael's Cathedral, Rt Rev A F M
 De Charbonnel, Rev. J M Bruzere
St Paul's, Rev T Fitzhenry
St Mary's, Rev J O'Neill
College of St Michael, Rev J M Soulerin,
 Superior, P Molony, J Malbos, W
 Flannery, and C Vincent, Professors
Ostawa, J. B Proulx
Newmarket, M O Loughlin
Adjaki, P Rattigan

Toronto Gore, Eugene O'Reilly
Niagara, L Mussart
St Catharines, B Grattan
Caledonia, M McLaughlin
Black Creek, M Newman
Hamilton, Very Rev E Gordon, V G, A
 Carayon
Dundas, J O'Reilly
Braunford, J Ryan
Ingersoll, R Kelcher
London, T T Kirwan, R Dean
St Thomas, J D Ryan
Chatham, J V Jaffre, S J
Raleigh, M Haynd
Amherstburgh, M J Daudot, M Pourret
Sandwich, Very Rev P Point, V G, S J,
 J Malingul, S J, J Grianan, S J, A
 Vervais, retired
Goderich, P Schneider
Manitowlin, N Point, S J, J Hanpauz,
 S J, N Fremiot, S J
Stull Ste Marie, J B Menet, S J, A
 Kohler, S J
Lake Superior, P Chone, S J, D Duran-
 quet, S J, M Moncoq, Auxiliary for
 the Indians
Penetanguishene, C A Ternet
Wellesley, C Messer
New Germany, J B Baumgartner
Wilmot, R F Ebner, S J
Guelp, C Holzor, S J, P Mutoga, S J

Presbyterian Church of
 Canada.

IN CONNECTION WITH THE CHURCH OF
 SCOTLAND.

Synod meets at Toronto, on the Third
 Tuesday of February, May, August
 and November.
 Professor James Williamson, A M,
 Kingston, Moderator
 Andrew Bell, L'Original, Synod Clerk
 John Cameron Esq., Toronto, Synod
 Treasurer.

PRESBYTERY OF TORONTO.

J Barclay, A M, Toronto, Clerk
Pickering, Peter McNaughton, A M
Esquicing and Milton, Peter Ferguson
King, John Tawse, A M
Clintquacous, Thomas Johnson
Mono, Alexander Lewis
Eldon, John Mc Murchy
Toronto, John Barclay A M
Gwillimbury West, Alexander Ross
Clarke and Hope, Samuel Porter
Hornby, William Barr
Nottawasaga, John Campbell, A M.
Thora, David Watson, A M
Darlington, John Hugh McKerras, A M
Milmur, Archibald Colquhoun
Vacant Charges, Vaughan, Scarboro,
 Newmarket, Markham, Brock and
 Reach, Scott and Uxbridge, Whitby,
 Mara, Caledon
Missionaries, William Cleland, James,
 Bain, John Brown

PRESBYTERY OF MONTREAL.

Meets at Montreal, on the First Wed-
 nesday of February, May, August,
 and November
 Thomas Haig, Beauharnois, Clerk.
Montreal, *St Andrew's*, A Mathieson,
 D D
Dundas, Duncan Moody
Chatham and Grenville, William Malr
Oranston, James Anderson
Georgetown, James C Muir
Quebec, *St Andrew's*, John Cook, D D
Lachine, William Simpson
Henningford, John Merlin
New Richmond, John Davidson
Three Rivers, James Thom
Huntingdon, Alexander Wallace, A B

Montreal, St. Paul's, Rob. McGill, D D
St Louis, James T Paul
Beauharnois, Thomas Haig
Melbourne, Thomas Morrison
Norvaltown, Archibald H Milligan
Valcartier, David Shanks
Vacant Charges, Beech Ridge, Laprairie
French Missionary, T J Charbonell

PRESBYTERY OF GLENGARY.

Meets on the Third Wednesday of
 January, May and September
 T McPherson, A M, Lancaster, Clerk
 Williamstown, John McKenzie, A M
 (Arnwall, Hugh Urquhart, A M
 Martintown, John Me Laurin
 Lancaster, Thomas McPherson, A M
 Dallouise Mills and Cole St George,
 Eneas McLean
 Finch, Donald Monro
 Williamsburgh, Thomas Scott,
 LOriginal and Plantagenet, Andrew
 Bell
 Osnabruck, Robert Dolie
 Vacant Charges, Lochiel, Indian Lands,
 Coteau du Lac, Vanleek Hill

PRESBYTERY OF HAMILTON.

Meets at Hamilton on the Second Wed-
 nesday in January, May and Sep-
 tember
 John B Mowat, A M, Niagara, Clerk
 Golerich, Alexander Mueckid
 Fergus, Hugh Mair, D D
 Guelph, Colin Gregor
 Stratford and N Easthope, W Bell, A M
 Simcoe and Vittoria, George Bell, A B
 Niagara, John B Mowat, A M
 Galt, Hamilton Gibson
 Chatham, John Robb
 Woodstock, and Norwich, Frederick P
 Sim
 atfleet and Bimbrook, William John-
 son, A M
 Nelson and Waterdown, George Mac-
 donnell
 Dundas and Ancaster, Kenneth Mc
 Lenman, A B
 Hamilton, Robert Burnet
 London, John Skinner, DD
 North Dorchester, William McEwan,
 A M
 Wawanosh, James Stuart
 Vacant Charges, Westminster, Wil-
 liams, Amherstburg, Woolwich,
 Clinton, Dover and Fredricksburgh,
 St Thomas, Wellesley, Aldboro', Yar-
 mouth, Brantford, Puslinch, Kin-
 cardine
 Retired Ministers, William King, Geo
 McClatchey

PRESBYTERY OF RATHURST.

Meets at Perth on the Second Wed-
 nesday in January, May, and Septem-
 ber.
 William Bain, A M, Perth, Clerk
 Perth, 1st Church, William Bell, A M
 South Gower, Joseph Anderson, A M
 Palenham, Alexander Mann, A M,
 Kitley, David Evans
 Lanark, Thomas Fraser
 Perth, St Andrew's, William Bain, A M
 Ramsay, John M'Morine
 Bytown, Alexander Spence
 Smith's Falls, Solomon Mylne
 Brackville, John Whyte
 Beckwith, Duncan Morrison
 Mc Nab & Horton, Geo Thompson, A M
 Richmond, Peter Lindsay
 Vacant Charges, Cumberland and
 Buckingham, Huntley, Dalhousie,
 Newboro' and Bedford

PRESBYTERY OF KINGSTON.

Meets at Kingston on the first Wed-
 nesday of every month.

George Weir, A M, Kingston, Clerk
 Kingston, John Macher, D D
 Seymour, Robert Neill
 Queen's College, James Williamson,
 A M, John Smith, A M, James
 George
 Belleville, Archibald Walker, A M
 Vacant Charge, Camden

Presbyterian Church of
Canada.

PRESBYTERY OF KINGSTON.

H Gordon, Gananoque, Moderator
 William Reid, A M, Toronto, Clerk
 Gananoque, Henry Gordon
 Demorestville, James Rogers
 Picton,
 Belleville, W Gregg, A M
 Kingston, Chalmers Church, Robert F
 Burns; Brock Street Church, And
 Wilson
 Madoc, James W Chesnut
 Roslin and Melrose,
 Presbytery Clerk, William Gregg

PRESBYTERY OF BROCKVILLE.

Yonge, &c., William Smart
 Prescott, Robert Boyd
 Spencerville and Edwardsburgh, James
 George
 Brockville, John McMurray
 South Gower and Kemptville, W J Mc
 Dowell
 Vacant Charges, Bellamyville, Bishops
 Mills and Merrickville, Charleston,
 Farmersville, &c., Newboro, West-
 port, &c.
 John McMurray, Presbytery Clerk

PRESBYTERY OF PERTH.

Osgoode and Gloucester, W Lochard
 Mc Nab and Horton, S C Fraser, A M
 Bytown, Thomas Wardrope
 Pembroke, Andrew Melville
 Wakefield, John Corbett
 Beckwith, Peter Gray
 Perth, J B Duncan
 Ashbur and Napton, John Gourlay
 Ramsay, James Smith, A M
 Vacant Charges, Bristol, Dalhousie,
 Goulburn
 S C Fraser, Presbytery Clerk

PRESBYTERY OF MONTREAL.

Melis, W McAlister
 Quebec, W B Clark
 St Therese de Blainville, David Black
 Lachute, Thomas Henry
 Montreal, St Gabriel street, David Inglis
 Indian Lands, &c., Daniel Gordon
 Melbourne, R C Swinton
 Osnabruck, J C Quin
 Montreal, Cole street, Don. Fraser, A M
 St Eustache, William Scott
 Linguevic, &c., Ewen McLean
 Vanleek Hill, Duncan Cameron
 Leeds, James McConely
 Donald Fraser, Presbytery Clerk.

PRESBYTERY OF LONDON.

Zorra, Donald McKenzie.
 North Easthope, Daniel Allan
 Stratford, Thomas McPherson
 Egmondville, W Graham
 Ingersoll, Robert Wallace
 Bedford and Moss, W R Sutherland
 Chatham, Angus McColl
 Williams, Lachlan McPherson
 Woodstock, W S Ball
 Aldboro, Duncan McMillan
 London, John Scott
 Buxton, William King
 Brucefield, John Ross
 Woodstock, D McDiarmid
 Plympton, William Porterfield.

Amherstburgh, William McLaren
 Blainford, Andrew Tohnie
 Port Sarnia,
 Vacant Charges, Fingal, St Thomas,
 Dunwich, Thamesford, Saugeen, Ros-
 sauquet, Tilbury, Howard & Mitchell
 John Scott, Presbytery Clerk.

PRESBYTERY OF HAMILTON.

Salfleet and Bimbrook, George Cheyne
 Dundas, M Y Stark
 Galt, John Hayne, D D
 Fergus, George Smellie
 Wellington Square, &c., Alex McLean
 Guelph, Samuel Young
 Owen Sound, John McKinnon
 Niagara, John Alexander
 Berheim and Paris, Duncan McRuar
 Caledonia, James Black
 Nussagauego, Andrew J McAuley
 Hamilton, Robert Irvine
 Vacant Charges, Port Dover, Puslinch
 East, Puslinch West, Dunnville, Ayr,
 Ancaster

The following are Stations within the
 bounds of this Presbytery:—Brant-
 ford, Doon Mills and New Aberdeen,
 Berlia and Woolweck, Owen Sound
 Road, Mornington and Wellesley,
 Allansville, Nairn Church, Flamb-
 oro', Wapole and Jarvis, St Cathe-
 rines, Thorold, &c., Port Rowan and
 Welland Port.

M T Clarke, Presbytery Clerk

PRESBYTERY OF TORONTO.

Toronto, King's Church, Robert Burns,
 D D; M Willis, D D, Professor of
 Divinity; James Harris
 Whitby, James Finlay
 West Guelimburg, Thomas Lowry, W
 Reid, A M
 Vaughan, William Meldrum
 Chinguacousy, A T Holmes
 York Mills, Thomas Wrightman
 Acton and Boston, John McLachlan, G
 P Young, 2nd Prof of Divinity
 Markham, James Boyd
 Oakville, James Nislet
 Streetsville, Robert Ure
 Brack and Reach, John Mitchell
 Oro & d Orillia, John Gray
 Union and Norval, Joseph Alexander,
 A M
 King, James Adams
 Barrie Innisfil, &c., Robert McKenzie
 Scarborough, John Laing
 Red River, John Black
 Thorah and Eldon, Caledon West
 and Erin, Mono and Caledon East,
 Oro & Medonte, Nottawasaga, West-
 on and Lambton, are also Stations
 within the bounds of this Presby-
 tery.

Thomas Wightman, Presbytery Clerk.

PRESBYTERY OF COBURG.

S. Green & Millbrook, James Douglass
 Cobourg, Donald McLeod
 Peterboro, J M Roger, A M
 Grafton and Colborne, John W. Smith
 Baltimore and Colsprings, W J Mc
 Kenzie
 Otonabee, Francis Andrews
 Darlington, John Smith.
 Norwood, D M McAlcese
 Caythorpe and Manvers, Robert Boag
 Vacant Charges, North Cavan, Trenton
 and Murray, Percy and Altwick,
 Warsaw.
 J W Smith, Presbytery Clerk.

United Presbyterian Synod
in Canada.

Next Meeting of Synod to be held in
 Toronto, on Tuesday, June 5, 1855
 James Dick, Moderator
 William Fraser, Synod Clerk

PRESBYTERY OF LONDON.

Delphi, English Settlement, James Skinner
London, John J A Proudfoot
Warrensfield, Bayfield, Brucefield, John Logie
Chatham, John Fraser.
St. Mary's, Donnie, William Cavan
Adelaide, Warwick, William Deas
McKillop, Matthew Barr
Goderich, James A Devine, A M
Vacancies, Detroit, Ingersoll, Har-
wich, Hlibert, Platerock, Tilbury.
Stations, Biddulph, McGillivray, Bos-
sanquet

PRESBYTERY OF FLAMBORO.

Flamboro and Dundas, Thos. Christie
Caledonia, Indiana, Oneida, Andrew
Forlor, D D
West Dumfries, Alexander Ritchie
Beverly, John Porteous
Hamilton, John Hogg, Clerk
Chippewa, William M Christie
Thorold, William Dickson
Vacancies, St. Catharines, St. George,
Ancaster West, Ancaster East,
Dunnville

PRESBYTERY OF TORONTO.

Toronto, 2nd, John Taylor, M D
West Gwillimbury, Tecumseth, Essa, W
Fraser
Toronto 1st, John Jennings
Richmond Hill, James Dick, Clerk
Chinguacousy, 1st & 2nd, David Coutts
Toronto Township and Brampton, Jas.
Pringle
Dunbar and Canton, Alex. Kennedy
Vacancies, Pickering, Vaughan, Albion,
Caledon

PRESBYTERY OF CANADA EAST.

Montreal, William Taylor, D D
New Glasgow, Alexander Lowden,
Clerk
Madrid, N. E. John Morrison
Lachale, Walter Scott.
Hammingford, Alexander C Stuart
Hamlington, Mr Watson

PRESBYTERY OF LANARK.

Smith's Falls, William Alkin
Pitchcan, Alexander Henderson
Vacancy, Torholton and Fitzroy Har-
bour

PRESBYTERY OF DURHAM.

Whitby, Robert H Thornton, Clerk
Port Hope, John Cassie
Clarke, George Lawrence
Emily, Manners, Ops, John Ewing
Ernestoen, Frederickburgh, John Scott
Lindsay, Verulam, Markyosa, Gilbert
Tweedie
Newton and Newcastle, W C Young
Vacancies, Darlington, Amherst Is-
land, Oakhills

PRESBYTERY OF WELLINGTON.

Guelph, Robert Torrance, Clerk
Essex, William Barrie
Elora, John Duff
Vacancies, Esquesing, Brant, Lake
Shore, Sydenham, Sable River,
Euphrasia

PRESBYTERY OF BRANT.

Paris, David Caw
Blenheim, Bayford, Woodstock, George
Murray
Brantford, Alexander Drummond
Norwich, Robert Rodgers
Glenmorris, John Dunlar
Mount Pleasant, Patrick Greig
Vacancy, Blandford
Ministry without Charge, Arch. Cross,
Robert Monteath, J. Lafayette, W
Livingston, Joseph Scott, A W Wad-
dell, James McIntosh
Probationers, J C Carruthers, Robert
Devoir, John Lees

Wesleyan Methodist Church in Canada.

The Conference meets at London, on the first Wednesday in June, 1855. Enoch Wood, (Yorkville) President of the Conference and General Superintendent of Missions; John Ryerson, Co-Delegat; J B Howard, Secretary.

TORONTO DISTRICT.

Toronto East, John Gemley, John Bro-
din, Anson Green, D B, George R
Sanderson, James Spencer, Lachin
Taylor, Thomas Demorest
Toronto West, John Borland, Ephraim
B Harper, Charles Lavell
Yonge Street, Richard Jones, W S
Blackstock
Humber, Robert Lochead, Benjamin
Jones
Brampton, Samuel C Phillp, Rouben E
Tupper, Joseph E Sanderson
Cooksville, Benjamin Nankeville Jon-
than Scott, Superannuated
Oshawa, D B Madden, Robert Fowler;
Peter Ker, Superannuated
Markham, John Law, Henry Jones;
David Neomans, Superannuated
Nelson, Thomas Campbell, Ashton
Fletcher; David Wright, Superan-
nuated
Milton, John Hunt
Georgetown, William Andrews
Stuyffville, Cornelius Fluummorfeldt
Richard Jones, Chairman

HAMILTON DISTRICT.

Hamilton, James Elliott, Wm Haw,
G N A F T Dixon; Samuel Bolton,
Superannuated
Dundas, Isaac B Howard, J Harris
Waterdown, Joseph Messmore
Glandford and Saecca, Thos. Williams,
James Clark; Andrew Prindle, Su-
perannuated
Nauticoke, John Goodfellow, John
Wilson
Dunnville, Luther O Rice
Grimshy, Simon Huntingdon, William
Richardson
Stone Creek, John English
St Catharines, George Goodson
Thorold, Thomas Bevtit, E H Dewart
Drammondville, Alexander T Green
Niagara, Claudius Byrne
Windsor, Thomas Jeffers, James
Thompson; John Baxter, Superan-
nuated
Cainsville, Robert Corson
Thomas Bevtit, Chairman.

BRANTFORD DISTRICT.

Brantford, Noble F English; Hamil-
ton Biggar, Rowley Heyland, Su-
perannuated
Mount Pleasant, Wm S Griffin
Paris, Joseph Shepley.
Woodstock, Wm Cullough, Jas Dixon
St George, Thomas Fawcett
Gall, George Kennedy
Ingersoll, Ozias Barber, John Wake-
field
Norwich, Peter German, — Stone
Sincec, Edwin Clement
Dover, Wm Chapman; E M Ryerson,
Superannumerary
Walsingham, Matthew Swann; Mat-
thias Holby, Superannumerary
Aylmer, Francis Berry, W Williams
Vienna, O H Ellsworth
New Credit, Matthew Whiting
Grand River, W Ryerson, Peter Jones
W Hyerson, Chairman

LONDON DISTRICT.

London, Henry Wilkinson, Thomas
Stolbs

London Circuit, Thomas Cleghorn,
Thomas Crews; Edmund Stoney,
Thomas Harmon
About Elgin and Muncey, Samuel
Nose, whose attention shall be princi-
pally directed to the Industrial
School; John Sunday, Abraham
Siekles
St Thomas, Wm Price, Samuel E
Maudsley
Port Sarnia, John G Laird
Strathroy, J K Willston
Warwick, ———
Port Stanley, Francis Chapman
St Clair, Solomon Waldron
Devonshire, John Webster
Balmon, Richard Phelps
Samuel Rose, Chairman

CHATHAM DISTRICT.

Chatham, Edmund Shepherd, Thomas
Pearson
Wardsville, William Ames
Wallaceburgh, ———
Morpeth, Joseph Haygill
Gosfield, William Dignam
Sturwich and Windsor, Edw Wilto,
Thomas Peacock
Amherstburgh, E L Koylo
Edmund Shepherd, Chairman

GUELPH DISTRICT.

Guelph, Lewis Warner, Richard Clarke
Elora, James Armstrong
Berlin and Blenheim, John Williams,
Andrew Smith
Peel, Henry Reid; Ezra Adams, Su-
perannuated
Stratford, George Case
St Mary's, C W M Gilbert
Clinton, Alexander Campbell.
Goderich, Charles Sylvester, G Cochran
Mitchell, Lucius Adams
Kincardine, Wm Creighton
Arthur, W Steer Superannuated
Mono, John L Kerr
Erin, ———
Witlesey, William Glass
Grey, John Armstrong, 1st
Morris, ———
Lewis Warner, Chairman

OWEN'S SOUND DISTRICT.

Newash and Colpoys Bay, Conrad Van-
dusen
Owen's Sound, Samuel Fear, John
Noelands, Superannumerary
St Vincent, Peter Empey
Saugene, Peter Jacobs
Southampton, George Jacques
Derby, David Hunt
Durham, ———
Water's Mills, ———
Proton, Thomas Culbert
Osprey, ———
Bruce Mines, Joseph Hill
Garden River, George W McDougall
Lake Superior, North Shore, George
Baker
Conrad Vandusen, Chairman

HARRIE DISTRICT.

Barrie, John Douse, John S Clarke
Bradford, W Young, Richard J Fore-
man
Cookstown, Joel Briggs
Newmarket, William Willoughby, Wm
McDonagh
Holland Landing, Andrew Edwards
Snake Island, ———
Brook, George Richardson
Rama, Horace Dean
Orillia, ———
Pentanguishene Road, Stephen Brow-
nell
Beausoleil and French River, ———
Collingwood Harbour, Edw Fallows
John Douse, Chairman

COBOURG DISTRICT.

Cobourg, George H Davis, John Heatty, Supernumerary
Victoria College, Samuel S Nelles, A M, Samuel D Rice, Governor; James Taylor, John Shaw, Students
Port Hope, J W McCullum, William Tomlin
Bowmanville, Thomas Gosford, John Mills
Newcastle, J Hutchingson
Curtwright and Scheraga, T Hanna
Millbrook, James Hughes; M Blackstock, Supernumerary
Dierboro, W H Poole
Mud Lake, John Sanderson
Rice Lake, Wm Herkimer
Alberville, James Musgrove
Coburne, J G Witted
Lindsay, J C Osborne; G Dingman
Meekville, ———
Norwood, George Carr, J Fawcett
 J Musgrove, Chairman

BELLEVILLE DISTRICT.

Belleville, George Young
Consecon, Michael Facett, Charles Taggart; Cyrus R Allison, Supernumerary
Pictou, J C Slater, George Briers
Sidney, John Lever
Brighton, William McFadden, Thomas Woolsey
Dumaresville, Vincent B Howard
Shannonville, Peter Germain
Thangeford, Nelson Brown
Madoc, Michael Baxter; Steph Miles, Supernumerary
Rawdon, John Black
Percy and Seymour, W H Williams, J Youmans
 Wm McFadden, Chairman

KINGSTON DISTRICT.

Kingston, John Ryerson, G. Douglass, George McKitchie; Henry Byers, Supernumerary
Napanee—George F Playter, Henry Tow
Willm, John A Williams.
Bath and Amherst Isl, George Beynon, Aaron Miller
Waterton, William Philp
Gananoque, Charles Turver.
Newborough, Robert Robinson
Roversville, David Chappison, J W Germain
Newburgh, Charles Fish; I B Aylesworth, Supernumerary
Shepleh, William Brien
Finchbrook, John D. Pugh
Storrington ———
 John Ryerson, Co-Delegate, Chairman

BROCKVILLE DISTRICT.

Brockville, Richard Whiting
Prescott, James Gray
Maitland, Asnael Hurlbert, Edwin Penke
Perth, David McDowell
Kemptville, James Groener, Richard Keegan; Henry Shaler, Supernumerary
Madilla, Francis Coleman
Smith's Mills, Sylvester Hurlbert.
Carlton Place, Joseph Reynolds, Wm Braden
Packham, John Armstrong, 2nd
Merriville, David Jennings
Oranville, John Howes, Robert Habbs
Windsor, Robert Brewster
Sherbrooke, David Hardie; A Adams, Supernumerary
 Asnael Hurlbert, Chairman.

BYTOWN DISTRICT.

Bytown, Kennedy Creighton
Aylmer, William McGill

Richmond, William Coleman, Henry Me Dowell
St Andrews, Thomas W Constable, W Seales
L'Original, William Moreton, Andrew Armstrong.
Cavignall, ———
Leclacher, William Burns
Osgood, William M Puttysen.
Galtimore, Silas Huntington
Clarendon & Portage du Arle, Luther Houghton
Westmeath, Richard Hammond
Huntley, Thomas McMullen
Greenville, ———
 Kennedy Creighton, Chairman

CANADA EAST DISTRICT.

Madreal Centre, Wellington Jeffers
Montreal East, William Scott
Montreal West, James H Bishop
Quebec, W Pollard
Point Levi ———
Three Rivers, Charles De Wolf, A M
Hamilton, Erastus Hurlbert
St John's, John Carroll
Shanblay, John Douglas, Supernumerary
Ottel Tann and Hemmingford, James Brock, J S Evans
Huntington, Isaac Barber
Shelton, Richard Wilson
Sharenerville, Henry Lanton
St Armands, James Norris
Dunham, Rufus A Flanders, Samuel E Phillips; E S Ingall, Supernumerary
Shefford and Granby, Gifford Dorey, Barnabas Hitchcock
Stanstead, John Tomkins
Hatley and Compton, John B Selley
Coutisque, ———
Sherbrooke, Benjamin Slight, A M
Edou, Robert Graham
Dunwell ———
Mabourne, Malcolm McDonald
Dunville, ———
Leeds, John Armstrong
Chaudiere, ———
Gaspé, ———

HUDSON'S BAY AND ROCKY MOUNTAINS.

Norway House, Lake Winnipeg, Thos. Hurlbert
Oxford House, Robert Brooking
Lac la Pline, Allen Salt
Edmonton & Rocky Mountains, Henry Steinhart
 Thomas Hurlbert, Chairman

Methodist New Connection.

Conference meets in London, 1st Wednesday in June, 1855
 Rev. J H Robinson, General Superintendent of the Mission, Toronto;
 Rev W McClure, Assistant Superintendent of the Mission, Hamilton;
 Thomas Lothridge, Treasurer, Hamilton;
 R H Brett, Financial Secretary, Toronto;
 Michael Aikman, Missionary Secretary, and Secretary of the Conference, Hamilton

LONDON DISTRICT.

London, J H Robinson, D Savage
Waterford, James Bell; Ravage, Supernumerary
St Thomas, B P Brown
Newich, Thomas Rump
Mahole, Henry Wilkinson, T Haney, Supernumerary
Howard, T M Jefferies
London North, Walton Preston
Blanshard, F G Weaver
Galrich Mission, T O Adkins
E'frid, C Curry

Cheshbr, T M Jefferies
 J M Robinson, Chairman

HAMILTON DISTRICT.

Hamilton, William McClure, J Brennan, Supernumerary
Arvaster, Barlas Bettes, J Hill, C Cope, Supernumerary
Wilson & Grand, E Williams, F Haynes, Supernumerary
Carlton, James Shaw, C Childs, W Bothwell, Supernumerary
Nissagawego, J C Watts
Hideron, J McAllister
Cuyuga, J Young
Lake Erie Mission, ———
 William McClure, Chairman

OWEN'S SOUND DISTRICT.

Arthar, John Shilton
Durham, A Clarke
Sydenham, J Girdis
Southampton, S Gundy
 John Shilton, Chairman

TORONTO DISTRICT.

Toronto, Thomas Goldsmith
Yorkville, W Tindall
Whitechurch, J Goswell
Trufulgar, J Simpson, R Johnston; T T Howard, Supernumerary
Caledon, G Langford
Brock, N C Gowen
Scott Mission, J A Miller
 Thomas Goldsmith, Chairman

CAVAN DISTRICT.

Cavan, John Wilkinon
Mawers, J Crawford, W Webb, W Robinson, Supernumerary
Newcastle, A Wright
Prince Edward, J Histon, J Scott
 John Wilkinon, Chairman

JOINTOWN DISTRICT.

Lansdown, W Barnett
Elizabeth Town, D D Rolston
Oxford, W Gundy
Crosby, T Reid, J Doel
Drummond, J Hales
Marboro and Fitzroy, J Baskerville
 J Hales, Chairman

EASTERN DISTRICT.

Stanstead ———
Solely ———
Bolton, F Hart
Dunham, A Whitcomb
Henrysburgh, ———
Patton, T Ogden
 J B Kerslaw, Chairman

Methodist Episcopal Church in Canada.

BAY OF QUINTE CONFERENCE.

BAY OF QUINTE DISTRICT.
 James Gardiner, Presiding Elder
Hope Creek, Eli Woodcock; T Lewis and J Gatehell, Supernumerary
Cobourg, W Graham
Brighton, J F Wilson; S W Lada, Supernumerary
Percy and Seymour, N H Howard
Sidney, S Young; H H Johnson, Supernumerary
Rawdon, J A Rogers
Huntington and Etzeriv, W A Sills;
 B Brown Supernumerary
Consecon, R Sanderson
Hilfowell, J G Hall
Milford, T Plato

KINGSTON DISTRICT.

B Smith, Presiding Elder
Kingston, J P Sparrow

Belleville, W Bird; J H Johnson, General Agent for the Belleville Seminary; G I Betts
Tyendinaga, H Williams, W E Norman; N D West, Superannuated
Napinee, R Earl
Bay Quinte, b W Blanchard; R Perry, Superannuated
Canden, D Wilson
Waterloo, J Tuke, A Mc Larron, D Perry, Superannuated
Wolf Island, D F Hutchinson
Leeds and Escote—

AUGUSTA DISTRICT.

Alex Wright, Presiding Elder
Armersville and Brockville, G Jones, P P Pomeroy
Elizabethtown, H Lano
Crosby, J Hill
Augusta, W Brown; G Bissell, Superannuated
Malinda, E Orser; M Davy, Superannuated
Rouleau, J W Sills
Bytown, C Manson
Donna Chaur and Hajeurville—D Pomeroy
Ottawa and La Chute, J D Bell; J McNally, Superannuated
Winchester and Stormont, D N Robinson

NIAGARA CONFERENCE.

TORONTO DISTRICT

J B Richardson, Presiding Elder
Darlington Creek, Wm Pirritte
Whitby, R B Cook; C W Fraser, Superannuated
Markham, G Smith
Newmarket, T Robson
Yonge Street, H Dockham; James Richardson, Superannuated
Toronto, W D Brown
Nelson, A L Thurstan, A M Archer; S Stewart, Superannuated
Georgetown, James Gilray
Oakwood —
Orangeville, John Foster
Aergus, Charles Taylor

NIAGARA DISTRICT.

J W Jacobs, Presiding Elder
Hamilton and Barton, James Curtis, J Morrison, Gideon Shepherd; Thos. Webster, Superannuated
Niagara, Henry Taylor; C Swcazy, Superannuated
Welland —
Rainham, W Sutton
Camboro, J Tufford
Cainsboro, E Bartram
Sallyell, J Hayward
Tuscorora, C Bradshaw
Charlottesville—John Wood; J Owen, Superannuated

LONDON DISTRICT.

G P Harris, Presiding Elder
London Station, G Abbs; J Bailey, Superannuated
London Circuit, A Jones; D Culp and J Mitchell, Superannuated
Malind —
Stanley —
St Mary's, T Dawes
Southwold —
Howard, S Atkinson
Thames, B Lawrence
Sandwich, E Draper
St Clair, O G Collamore
Bosanquet, N Roy

OXFORD DISTRICT.

E Bristol, Presiding Elder
Dunfries, W F Lowe; B Markle, Su-

perannuated; B Brown, Superannuated
Blenheim, J Ormerod; W Cope, Superannuated; N A Fraser
Oakland, E Lounsbury
Norwich, J Gibson
Orford, J. Mc Lean
Dorchester, A E Griffith
Embora, J W Byam
Malahide, L P Smith; C Pettys, Superannuated
Vienna, W D Huglison
S Dunnett, Agent for the Belleville Seminary

HURON DISTRICT.

Wm Woodward, Presiding Elder
St Vincent, L S Ker
Arthur, Wm. Woodward
Kincardine, J M Collins
Collingwood Harbour
Durham, W Campbell
Melancthon,

Primitive Methodist Church in Canada West.

Conference Aesndly meets in Toronto, April 19, 1855
 J Davidson, Galt, and W Lawson, Hamilton, Corresponding Secretaries
 Mr Robert Walker, Toronto, Missionary Treasurer

TORONTO DISTRICT.

Toronto, E Barrass, J Natrass
Scarborough, J Driffield
Etobicoke, J Garner, W Gledhill, W Jolley, Sup.
Markham, J Lacey, R Cado
Luskey, T Foster
Darlington, J Edgar, R Paul
Albion, J Simpson, J Markham
Reach and Scott, W Lyle, D Gustolow, J G Montgomery
Kingston and Portland, M Nichols, J Clark, J Milner, J Haldershaw

HAMILTON DISTRICT.

Brampton, W Newton, W J Dean
Hamilton, R Boyle
Wapole and Grand River, T Adams, J R Stephenson, R Condlie
Blenheim, R Poulter
Galt and Guelph, J Davison, T Dudley
Orangeville and Brant, W Lomas, R Stephenson
P et and Wellesley, J Ryder, F Fox, J Fowler, Sup.
Woodstock, R Parsons
London, W Stephenson
Paris and Brantford, T Lawson

Congregational Denomination.

The Annual Meeting of the Congregational Union of Canada will take place in Kingston on the second Wednesday in June, 1855.
 Chairman of Union, W Clark, Simcoe; Secretary and Treasurer, Kenneth M Fenwick, Kingston

Abbotsford and Granby, N McLeod
Albion, J Wheeler
Belleville, H D Powis
Brantford, John Wood
Brome, Richard Miles
Caledon, A Geikie
Cobourg, Thomas Snell
Colpoys Bay, — Skye
Cold Springs, W Hadden

Danville, A J Parker
Darlington, John Clinie
Durham, D Dunkerley
Lalor, R J Sherrill
Eranosa, K J Williams
Norwich, J Armour
Georgetown & Trafalgar, J Unsworth
Dawkesbury, E Noble
Hamilton, E Ebbs
Kingston, K M Fenwick
Lanark, 1st, R K Black
Lanark Village, H Lancashire
London, W F Clarke
Markham, J B Robinson
Melbourne, Thomas Hayno
Montreal, J McMillan
Montreal, 1st, H Wilkes, D D 2nd, F H Marling
Newmarket, F Baker
Nottawasaga, N McKimion
Ora and Lunenburg, A R Raymond
Owen's Sound, L Kells
Paris and Burford, J Vincent
Philipsburgh, J Buckham
Pembroke, G B Boucher
Port Sarnia, James Hay
Port Stanley, W Allworth
Quebec, W H Hugh de Burgh
Russelltown, George Ritchie
Saugen, John Johnson
Scotland, William Hay
Simcoe, W Clark
Sherbrooke, J Robertson
Springford, H Denny
Southwold, J Silcox
Stratford, S Snider
Stonyville, J Durrant
Stansfeld, R V Hall
St Andrews, A Simms, M A
Toronto, J Roaf

Theological Institution, A Lillie, A Wickson, M A
 Fughan, A J Jupp
 Warwick, D McCallum
 Whitby, J T Byrne
 Without charge.—S King, J Ratt-ray, T Searight, T Ward, H Wilson

Canada Christian Conference.

Conference meets at Oshawa on the last Thursday in June, 1855.
 Thomas Henry, President; J W Collins Secretary, Newmarket
Oshawa, Thomas Henry, J R Hoag
Brougham, J W Sharard
Hampton, B F Perry
Bowmanville, Jesse Vancamp
Oron, Hyram Hayward
Castleton, Elisha Alger
Grafton, J W Noble, W Nolde, J L Russ, B L Bradley, Francis Crowder
Gormley's Corners, John Maclem
Newmarket, H H Willson
Queensville, Squire Maston
Keswick, Jesse Tatton, E P McMillan
Stratfordville, John Earl
Kettleby Mills, Wm Meredith
Baltimore, Nathaniel Earl
Brooklin, L C Thomas, C W Colston
New Hope, W Henry, F B Rolf
Scotland, Charles Hayner
Burgessville, Sylvanus Nicholls
Beverly, Joseph Godkin
Meadville, T C Moulton

Bible Christian Church in Upper Canada.

In connection with the Bible Christian Church in England. Next Annual Meeting to be held at _____ to commence the first Wednesday in June, 1855.

1855.
 Cobourg
 ward
 Peterb
 Henton
 Noble
 Hanger
 Darlin
 Hays
 Marip
 Picher
 Michel,
 Ushore
 Ebbot
 Clifton,
 London,
 Bay
 Ancuter
 Arthur,
 Augusta
 Aylmer,
 Barnston
 Baxter,
 Bayham
 Beamswil
 Berlin, I
 Bawerly,
 Binsbro
 Blanshar
 Blenheim
 Bloomshu
 Boston, O
 Bosanque
 Brampton
 Brantf
 Breadrib
 Brighton,
 Brockville
 Bronte, J
 Brock, A
 Camboro,
 Carleton
 Chatham,
 Cheltona
 Gramabe,
 Crosby, E
 ports.
 Amherst
 Amherst
 Bath, . . .
 Beauce, . .
 Belleville,
 Brantford
 Brighton,
 Brockville
 Bruce, . . .
 Bytown,*
 Chatham,
 Chippewa
 Clarencev
 Cobourg,*
 Corwall,
 Coteau du
 Dalhousie
 Dickenson
 Dunnville
 Dundee, . .
 Elgin, . . .

COBourg DISTRICT.

Cobourg, J H Eynon, Chairman, J Edwards, J Langdon
Peterboro, W Hooper, J Hodgson
Huntingdon and Seymour, T Green, A Dobbie
Hungerford, Henry Stevens

HOWMANVILLE DISTRICT.

Dartington, P Robins, Chairman; G Hayercroft, N Rodd, J Hughes
Mariposa, A Morris, J Plinch
Pickering, J B Tapp

HURON DISTRICT.

Mitchel, J Williams, J Beyington
Ushorne, R Hurley, Chairman; H Ebbott
Clinton, J Dix
London, R L Tucker

Baptist Denomination.

Ancaster, Vacant
Arthur, Alexander Stewart
Augusta, Vacant
Aylmer, Joseph Clutton
Barnston, James Green
Bastard, Hugh Nicol
Bayham, H A Conrad and J Crossott
Beausville, William Howson
Berlin, Henry Schullder
Beverly, George Patton
Bijuback, Job Moxom
Blanshart, W M Bailery
Blenheim, David Currie
Blomshurph, James Stothard
Boston, C W; Thos R Owen
Bosancq, J Williams and A Chuto
Brampton, Vacant
Brantford, Thomas I Davldson
Breadalbane, William K Anderson
Brighton, Vacant
Brookville, Peter Schofield, M D
Brunde, John Oakley
Brook, Alexander McIntyro
Canboro, Daniel Way
Carlton Place, Lawrence Holcroft
Chatham, A Campbell & H H Hawkins
Cheltenham, Hugh Reid
Cramake, Vacant
Grosby, E McCarthin

Bertham, Isaac Elliott & Wm Smith
Dorchester, Israel Marsh & J Gibson
Drummondville, John Roberts
Dundas, Isaac J Holla
East Oxford, Vacant
East Gwillimbury, William Geary
Easthope, Milne S Bagley
Eaton, Archibald Gillies
Elmsley, Duncan McNab
Esquesing, John Clarke & T Pickard
Farmersville, Vacant
Fingit, Vacant
Flamboro East, Job Moxom
Font Hill, J Gundy
Fredericksburgh, W Lako
Gananoque, J Cheetham
Gosford, R Herrington
Goshen, Mark W Hopkins
Grande Ligne, L Normandeau and C Roux
Guelph, Vacant
Haldimand, Daniel Watt
Hamilton, A Booker & Rob Boyd, M A
Hartford, Jacob Vauloon, Senior
Henryville, James N Williams
Houghton, Vacant
Kemptrille, Vacant
King, Walter Miller
Kingston, Thomas H Facer
Laurenceville, George Wilson
Leeds, C E, W Hulbert
Leeds, C H; Abel Stevens
Lobo, William Wilkinson
Lochaber, John Edwards
London, Vacant
Mahabide, S McConnell
Markham, A M Facey
McGillivray, W. George & Thos Paul
Middleton, William McLellan
Montreal, J Lillie, D D & Narcisse Cyr
Murray, Vacant
Newmarket, Vacant
Niagara, F. Lucy
Norwich, Ephraim Smith
Oakland, W Haviland
Oxilda, Z W Camfield
Orillia, Vacant
Oro, Hestor McLean
Osgoode, Daniel McPhall
Osnabruck, Vacant
Paris, A Cleghorn, M A
Pelham, Vacant
Perth, Robert Hamilton
Peterboro, P Wilson & Hoyes Lloyd

Pickering, Edward Clark
Port Hope, Vacant
Port Rowan, George W M Carey
Port Sarnia, George Watson
Rawdon, Vacant
Releigh, Vacant
Rushham, Vacant
Roach, Wm Harlhart and J Holman
Sandwich, J. Robinson and H Brown
Sudland, John Winterbotham
Sutton, A Suddler
Suzee, J Gundry and A Austin
St. Andrews, John Dempsey
St. Catharines, Joseph E Nyerson
St. George, Elijah Clarke
St. Mary's, C E, Louis Roussy
St. Tho, Theodore Lalleuer
St. Thomas, D W Rowland
South Gower, Vacant
South Pilton, Vacant
Stanley, William Fraser
Stonbridge, F S Jersey
Stonsbad, E Mitchell
Sydenham, Peter McDonald
Tilsburgh, Vacant
Thurlow, Vacant
Thornton, James Pyper, D D, and W P Newmann
Villa Nova, Jacob Vauloon, Jr
Victoria, Abram Duncan
Walpole, Thomas Stillwell
Waterford, Aaron Slaght
Whitby, John Gerro
Windham, Vacant
Woodstock, James Cooper
Woodville, James Sim
Yarmouth, A Smith and Thos Mills
Yonge Street, J Gooderham
Zorra Mills, C McDermaid
Zorra, Vacant

Ministers without Pastoral Charges.—
Francis Plekle, Blenheim; J. Harris, Mount Pleasant; Saml Read, Brantford; William Jackson, Brantford; Smeon Rouse, Bayham; Jacob Goble, Townsend; S. Baker, Hinerant; Alexander Lorimer, Toronto; George J. Ryser, Woodhouse; Thomas H. Thompson, Hinerant; Jos Painter, Onongaga; H. Fitch, Hinerant; D A Turner, McGillivray; E. Topping, West Oxford; W H London, Woodstock; Joseph Woods, Newmarket.

COLLECTORS OF CUSTOMS, CANADA.

Those marked thus* are Warehousing Ports.

Table with 8 columns: PORTS, COLLECTORS, PORTS, COLLECTORS, PORTS, COLLECTORS, PORTS, COLLECTORS. Lists various ports and their respective collectors across the page.

MUNICIPALITIES, CANADA WEST.

The following tables, under the heads of the Counties and Union of Counties, supply the latest and most important information regarding the Municipalities of Canada West. The area in acres, the population and assessed value of property in each Municipality is given, excepting that for Kent, the records of which County were unfortunately, lately, destroyed by fire. The various County Officers, Reeves, Deputy Reeves, Treasurers, Clerks, with their addresses, are also given.

I. BRANT.

Acres, 259,710; Population in 1852, 25,426; Assessed Value of Property in 1854, £1,190,916 12s. 2d.; County Town, Brantford. Sends two Members to Parliament, being divided into two Ridings, called the East and West Ridings. Warden, Elbakim Malcolm, Esq.; Treasurer, Hamilton Biggar; Clerk, John Cameron; Solicitor, do; Surveyor, none appointed; Auditors, James Wilkes and Roger Carton.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1854.	REEVE.	DEPUTY REVEE.	TREASURER.	CLERK.
Brantford (Town) .....	.....	2877	£34409	Daniel McKerlie	W. Mathews	George Varty	Geo. Varty
Paris (Village) .....	.....	1800	12565	Hiram Capron	John Tennant	E. N. Pasworth	H. A. Hardy
Brantford	66631	6410	48507	Hiram Phelps	J. B. Henry	R. R. Strobridge	Robert Hinler
Dumfries South	47000	4297	27991	C. S. Perley	Wm. Mullen	John McNaught	John McNaught
Oakland	10451	840	52993	E. Malcolm .....	.....	John Jayne	John Jayne
Oranoga	10890	1858	10812	W. N. Alger .....	.....	R. Howardman	W. D. Sables
Tuscarora .....	.....	.....	.....	This Township, which in the year 1852 contained a population of 1821, is exclusively an Indian Reservation, without municipal institutions.			

II. CARLETON.

Acres, 574,520; Population, 31,882; Assessed Value of Property in 1852, £1,027,270; County Town, Bytown. The County of Carleton and the Town of Bytown send one Member each to the Provincial Parliament. Warden, William F. Powell, Bytown; Treasurer, Daniel O'Connor, Bytown; Clerk, Charles Hamnett Pinhey, Bytown; Auditors, H. V. Noel and George R. Burke, Bytown.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1852.	REEVE.	DEPUTY REVEE.	TREASURER.	CLERK.
Fitzroy	62406	2087	47229	James Hubbard, Hubbell's Falls .....	.....	R. Harris, Hubbell's Falls	Robert Elliott, Hubbell's Falls
Gravelton	75800	2525	56559	Thomas Garland, Ashton .....	.....	Carleton Cathcart, Richmond	Carleton Cathcart, Richmond
Gower, North	34220	1777	24483	Robert Craig, North Gower .....	.....	James Craiz, North Gower	James Craiz, North Gower
Glover, North	68296	2005	62000	Peter Tomkins, Bytown .....	.....	Samuel Billings, Bytown	T. Boyce, Gloucester or Bytown
Huntley	62506	2515	29257	Henry Melville, North Huntley .....	.....	Wm. Montgomery, Huntley	John Fenlon, North Huntley
March	2820	1125	18204	Hon. H. Pichay, March .....	.....	George Morgan, South March	George Morgan, South March
Port Hope	4580	542	15000	James Kirkman, Port Hope .....	.....	Thomas G. Somerville, Port Hope	Thomas G. Somerville, Port Hope
Marlborough	64000	2453	37600	William McKay, Richmond .....	.....	G. Montgomery, Marlborough	Edward Mills, Marlborough
Osgoode	9120	3660	78002	Arthur Allen, West Osgoode .....	.....	Donald McIntosh, Osgoode	Thomas Falley, Osgoode
Napan	6500	3800	62496	John Scott, Bytown .....	.....	George Arnold, Bell's Corners	Thomas Stapleton, Bell's Corners
Bytown, (Town) .....	.....	.....	51664	Wm. F. Powell, Bytown .....	.....	George Arnold, Bell's Corners	Edward Burke, Bytown
Richmond (Village) .....	.....	424	1336	W. R. E. Lyon, Richmond .....	.....	Edward Mass, Bytown	Thomas Miller, Richmond

III. ELGIN.

Acres, 427,403; Population in 1852, 25,418; Assessed Value of Property in 1853, £1,206,195, in 1854, £1,494,036; County Town, St. Thomas. The County sends two Members to the Provincial Parliament. Warden, Thomas Locker, Arthur. Treasurer, Henry Black, St. Thomas. Clerk, Thomas L. ...

March	2820	1125	1894	Hon. H. Pinhey, March	George Morgan, South March
Toph Hon	2580	542	1800	James Grierson, Tordiford	Thomas G. Somerville, Tordiford
Marlborough	6400	2453	3760	William McKee, Richmond	Edward Mills, Marlborough
Osgoode	9720	2650	7862	Arthur Allan, West Osgoode	Thomas Bailey, Osgoode
Nelson	6500	2800	4246	John S. Att, T. town	Thomas Stapleton, Bell's Corners
Bytown (Town)	8249	51634	10154	Wm. F. Powell, Bytown	Edward Burke, Bytown
Richmond (Village)	444	1448	1448	J. D. Bourgeois, Bytown	Thomas Miller, Richmond

III. ELGIN.

Acres, 427,403; Population in 1852, 25,418; Assessed Value of Property in 1853, £1,206,195, in 1854, £1,494,066; County Town, St. Thomas. The County send; two Members to the Provincial Parliament. Warden, Thomas Locker, Aylmer; Treasurer, Henry Black, St. Thomas; Clerk, William McKay, St. Thomas; Auditors, G. T. Clarke and Mathew Childs, St. Thomas.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1854.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
Aldbrough	67000	1245	£114	Duncan McCall, Wardsville	Amrose Wilson, Richmond	Hector Paterson, Aldboro	George Munro, Aldboro
Bayham	57942	5092	159599	James Weaver, Stratfordville		William Hatch, Stratfordville	William Hatch, Stratfordville
Dorchester South	26134	1477	75546	John Gregory, Belmont		W. Fullerton, Aylmer	W. Fullerton, Aylmer
Dunwich	47194	1948	137582	John Clark, Port Talbot		Malcolm Campbell, T. town	Robert March, T. town
Malabide	62378	4650	292475	Thomas Locker, Aylmer		P. Hodgkinson, Aylmer	P. Hodgkinson, Aylmer
Southwell	71725	5063	245520	Levi Fowler, Fingal	Nicholas McCall, Fingal	Robert Blackburn, Fingal	Bennet Carpenter, Fingal
Yarmouth	71000	5288	338201	Randolph Johnson, Union		W. J. White, St. Thomas	A. Ouelzane, New Sarrua
St. Thomas (Town)	1440	1271	138900	David Parrish, St. Thomas	Hugh McIntyre, St. Thomas	James Stanton, St. Thomas	James Stanton, St. Thomas
Vienna (Village)	1240		82400	John Alexander, Vienna		H. A. Gustin, Vienna	H. A. Gustin, Vienna

IV. ESSEX.

Acres, 433,300; Population, 16,817; Assessed value of Property in 1853, £656,687, in 1854, £594,554, exclusive of the Town of Amherstburg; County Town, Sandwich. Essex sends one Member to the Provincial Parliament. Warden, John Sloan, Anderton; Treasurer, George Bullock, Sandwich; Clerk, J. H. Wilkinson, Sandwich; Surveyor, P. S. Donnelly, Sandwich; Auditors, P. H. Morrin and P. J. Salter, Sandwich.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1854.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
Anderton	25000	1199	£23090	John Sloan, Anderton		C. Fortier, Amherstburg	J. E. Macquire, Amherstburg
Colchester	62500	1870	63718	C. R. Quick, Colchester		L. Thomson, Colchester	Lennox Thomson, Colchester
Godfrid	50530	1802	71697	Henry Scratch, Gosford		A. Wigle, King Vile	James King, Kinrossville
Maldstone	47400	1167	42987	A. Patillo, Maldstone		J. Henry, Maldstone	Thomas Thomson, Maldstone
Malden	22000	1315	55574	H. Wright, Amherstburg		H. Wright, Amherstburg	H. Wright, Amherstburg
Mersa	59400	1163	50390	T. Mahott, Mersa		P. Wilkinson, Mersa	Jonathan Wilford, Mersa
Rochester	32500	788	22365	Wm. Farnagan		F. Oubette, Belle River	F. Graham, Belle River
Sandwich	73000	4328	14780	D. Langdon	L. Reaume, Sandwifch	L. St. Anour, Sandwifch	D. Moyaham, Sandwifch
Tilbury West	45000	675	18286	P. Desjardins	P. Menzies	W. Chovin, Couler	W. Nicholson, Couler
Amherstburg (Town)	45000	1880	30335	S. S. Macdonell		W. Galsins, Amherstburg	J. W. Leggat, Amherstburg
Windsor (Village)						T. E. Treow, Windsor	John Stuart, Windsor

V. FRONTENAC, LENOX, AND ADDINGTON.

United Counties. Acres, Frontenac, 838,940; Lenox, 108,000; Addington, 368,700—Total Acres, 1,325,640; Population of Frontenac, exclusive of Kingston City, 19,150; Population of Lenox, 7,955; Population of Addington, 15,167; Total Population, exclusive of Kingston City, 42,270; Assessed value of Property in 1852, £1,776,087; in 1853, £1,831,475; County Town, City of Kingston; Population of do., 11,585. Frontenac sends one Member, Lenox and Addington united, one Member; and the City of Kingston, one Member, to the Provincial Parliament. Warden, David Roblin, Napanee; Treasurer, W. Ferguson, Kingston; Clerk, George H. Dutton, Kingston; Superintendent of Roads and Engineer, D. C. Smith, Mill Creek Post Office; Auditors, James O'Reiley and Thomas Glassup, Kingston.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1852.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
<i>Protonac.</i>							
Bedford	83700	1118	£18768	J. McTaggart, West Port		James Kehoe, West Port	
Olden and.....	67200			John Ashley, Kingston	Robert Gibson, Waterloo	James Kehoe, West Port	James Kehoe, West Port
Orso.....	47800			John Ashley, Kingston	Robert Gibson, Waterloo	James Kehoe, West Port	James Kehoe, West Port
Kingston.....	69800	5235	27219	Charles Joyce, Loughborough	J. Birmingham, Kingston	Dr. H. Yeomans, Kingston	J. Cumming, Kingston
Loughborough.....	53300	2003	7515	John B. Marks, Kingston	J. Birmingham, Kingston	Thomas Bailie, Loughborough	John Walsh, Loughborough
Pittsburg.....	46900	3258	8740	John B. Marks, Kingston	J. Birmingham, Kingston	W. Ferguson, Kingston	R. Breze, Kingston
Howe Island	8400	6200	£18768	John B. Marks, Kingston	J. Birmingham, Kingston	W. Ferguson, Kingston	R. Breze, Kingston
Portland and.....	57000	2983	91875	A. Day, Spike's Corner		S. D. Haight, Adolphustown	A. Spike, Spike's Corner
Hinchebrooke	73500	364	71761	John McGrath, Storrington		Sam. Campbell, Storrington	Hugh Spring, Storrington
Storrington	50800	2150	9818	D. D. Cattan, Wolfe Island		Michael Baker, Wolfe Island	M. O'Nelly, Wolfe Island
Wolfe Island	30600	2654	9818	Charles Joyce, Loughborough		Michael Baker, Wolfe Island	M. O'Nelly, Wolfe Island
Barrie, 66,800 acres; Claren don 57,200 acres; Lennox.				J. P. Dorlan, Adolphustown	Philip Edgar, Lepox	R. Clapp, Adolphustown	S. D. Haight, Adolphustown
Adolphustown	10800	715	18510	R. Ham, Hamburg	John Stevenson, Napanee	W. Y. Delfor, Napanee	Tra Ham, Hamburg
Federicksburgh.....	40000	3168	14817	David Roblin, Napanee		W. Y. Delfor, Napanee	W. Y. Delfor, Napanee
Richmond	51200	4071	14817	David Roblin, Napanee		W. Y. Delfor, Napanee	W. Y. Delfor, Napanee
<i>Adirongton.</i>							
Amherst Island	16500	1287	52228	J. Boyes, Amherst Island	R. F. Hope, Newburgh	R. Burleigh, Amherst Island	R. Burleigh, Amherst Island
Camden.....	74000	6975	24329	A. F. Hooper, Clarke's Mills	E. Perry, Elginville	— McKim, Centreville	L. MacEgan, Newburgh
Ernestown	62900	5111	34784	Sidney Warner, Wilton		P. Zimmerman, Mill Creek	R. Aylsworth, Mill Creek
Sheffield	81000			John Murphy, Tamworth		J. Seldon, Tamworth	P. Gahney, Tamworth
Angelsea	67200	7	40927	John Murphy, Tamworth		J. Seldon, Tamworth	P. Gahney, Tamworth
Kahlar.....	67200						

[60]

VI. GREY.

Acres, Grey, 1,057,105; Peninsular, 458,800—Total Acres, 1,485,905; Population, 1500; Assessed Value of Property in 1852, £342,724; County Town, Sydenham, Owen Sound. Grey sends one member to the Provincial Parliament. Warden, Richard Carney, Sydenham, Owen's Sound; Treasurer, Frederick Lepau, do.; Clerk, George James Gale, do.

Note.—To this County belongs that portion of the Peninsular Tract of Land, known as the Indian Reserve, and situated between a line drawn northward from the North East angle of Arran, and the North West angle of Derby, until it strikes Colpo's Bay, on the East side of the Indian Village, and the waters of the Georgian Bay, together with the Islands contiguous thereto.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1852.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
Artemesia.....	70000	733	£6754	W. K. Flesher		Richard Campbell	Richard Campbell
Bentick.....	73682	1272	26500	George Jackson		Robert Stewart	Robert Stewart
Collingswood.....	68200	365	2500	S. D. Olmstead		John McElroy	John McElroy
Derby.....	37875	787	1992	Hugh Coulter		S. Harrison	Thomas Gordon
Holland.....	77347	954	2300	John Allen		F. McFadden	F. Wainwright
Gesrey.....	70	486	3000	Sir J. D. D. Day, Bart		James Gilson	James Gilson
Sullivan.....	73791	658	8284	Thomas Yvinge		Charlesley	C. Croftley
Sydenham	78569	2432	97500	Richard Carney	William Mc Donald	James Bess	W. McKezvie
St. Vincent	65000	1601	4886	Charles F. Purdy		John Williams	John Williams
Enfhrasia.....	72000	693	25000	James Kerr		Graham Wilson	Graham Wilson
McIntosh and.....	78800	450	9287	James Beachell		Peter Dalby	Peter Dalby
Proton	76800			James Lackey		John Gubing	John Gubing
Normanby	69120	539	12900	James Doyle		Benjamin Robins	Benjamin Robins
Ernestown	75292	665	25872	James McArthur		John Moodie	John Moodie
Glencol	68969	1250					

VII. HALDIMAND.

Acres, 293,591; Population 18788; Assessed Value of Property in 1856, £941,035; County Town, Cayuga. Haldimand sends one Member to the Provincial Parliament. Warden, L. J. Weatherly, Dunnville; Treasurer, A. P. Farrell, Cayuga; Clerk, J. G. Stevenson, Cayuga; Auditors, R. V. Griffith, Cayuga, and Michael Haverstick, Vank.

VII. HALDIMAND.

Acres, 293,594; Population 18788; Assessed Value of Property in 1853, £941,035; County Town, Cayuga. Haldimand sends one Member to the Provincial Parliament. Warden, L. J. Weatherby, Dunnville; Treasurer, A. Y. Farrell, Cayuga; Clerk, J. G. Stevenson, Cayuga; Auditors, R. V. Griffith, Cayuga, and Michael Harcourt, York.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1853.	REVEE.	DEPUTY REVEE.	TREASURER.	CLERK.
Canborough	21,603	1151	£67780	Barton Fair, Dunnville.....		John Folsom, Canborough	William J. Gates, Dunnville
Cayuga North	30067	2013	95790	Wm. Deewy, Decesville.....		Robert V. Griffith, Cayuga.....	Rob. V. Griffith, Cayuga
Cayuga South	12950	824	33098	Wm. Cook, South Cayuga.....		George Webster, South Cayuga	George Webster, South Cayuga
Caledonia (Village).....	546		72489	A. Sodie, Caledonia.....		Duncan Ferguson.....	James A. Patterson
Dunn.....	18,000	828	44811	Geo. Decker, Dunnville.....		Francis Ramsay, Dunnville.....	John Martin, Dunnville
Monkton and Sherbrooke	29157	2318	116762	L. J. Weatherby, Dunnville.....		James Stewart, Seneca.....	Henry J. Rice
Orléans.....	35613	2817	89183	Martin Gill, Decesville.....		J. P. Smith, Rainham Centre	W. Jones, Rainham Centre
Rainham	25942	1618	96480	A. Overholt, Rainham Centre		Benias Young, Indiana.....	Wm. Hursesh, York
Seneca	40652	3086	132447	Edward Baker, York.....		James Sill, Jarvis.....	John Huesman, Bathord
Walpole.....	65464	2583	194193	Geo. Hushand, Ingersville			

VIII. HASTINGS.

Acres, 847,860; Population, 31,977. Assessed Value of Property in 1853, £1,323,262; County Town, Belleville. Hastings sends two Members to the Provincial Parliament. Warden, George Benjamin, Belleville; Treasurer, F. McAnanny, Belleville; Clerk, Thomas Willis, Junior, Belleville; Surveyor, James Jamieson; Auditors, T. Willis, Senior and Peter Robinson.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1853.	REVEE.	DEPUTY REVEE.	TREASURER.	CLERK.
Belleville. (Town)	41200	3124	£260335	Bella Flint, Belleville.....		Alexander Judd, Belleville.....	R. M. Roy, Belleville
Hungerford	68206	3097	70951	G. Benjamin, Belleville		J. Harrison, Hungerford Mills	R. Sanderson, Hungerford Mills
Huntingdon.....	68206	2418	68108	George Graham Moira.....		Thomas Watson, Moira.....	James J Ryan, Moira
Madoc	68206	2761	69175	Jephthaw Bradshaw, Madoc		Edward Muncey.....	James McDonnell, Madoc
Ezevir and Tudor.....	68206	635	29000	Wm. Campion, Marmora		Secrife.....	Wm. Inkster, Marmora
Marmora	67406	3097	111784	Wm. Baker, Stirling.....		J. M. Ward.....	Thomas Douglass, Stirling
Rawdon.....	70206	4574	237329	Calob Gilbert, Sidney.....		J. S. Huffman, Belleville	Thomas D Farley, Belleville
Sidney.....	57006	4469	240379	George Phillips, Canott Mills		S. M. Washburn.....	Isaac Benike, Belleville
Thurlow	92806	6200	179482	N. S. Appleby, Shannonville		W. Frizell.....	T. D. Appleby, Shannonville
Trenton (Village)	68206		48159	Eljah Meyers.....		Samuel Cooley.....	Jerecaiah Shimmous, Trenton
Lake Grimsthorpe	68206		Unkn.	Unkn.			

IX. HURON AND BRUCE.

United Counties: Acres, Huron, 892,769; Acres, Bruce, 634,764—Total Acres, 1,527,533; Population in 1852, Huron, 19,208; Bruce, 2837—Total Population, 22,045; Assessed Value of Property in 1853, Huron, £839,707; Bruce, £61,461—Total Assessed Value of Property, £901,168; County Town, Goderich. The Unite I Counties send one Member to the Provincial Parliament. Warden, John Strachan, Goderich; Treasurer, George Brown, Goderich; Clerk, David Hood Ritchie, Goderich or Bayfield; Surveyor, William Perceval, Goderich; Auditors, J. Halden and A. Ross, Goderich.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1853.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
<i>Haron.</i>							
Ashfield	64800	907	427-465	J. Hawkins, Jun., Port Albert		Thomas Hawkins, Port Albert	John Cook, Port Albert
Biddulph	39880	2681	47-667	John Atkinson, McGillivray		William Hodges, McGillivray	James Parit, McGillivray
Colborne	35740	921	43-211	William Young, Carleton		David Lawson, Goderich	David Lawson, Goderich
Goderich (Town)	13-29		7701	John Strachan, Goderich		George Brown, Goderich	Thomas Aydt, Goderich
Goderich	53688	2715	103-540	John Holmes, Goderich		John Shaw, Goderich	John Shaw, Goderich
Hullett and Morris	52822	955	57-509	Samuel H. Rance, Clinton		Robert Phillips Clinton	James Allen, McKillop
Hay	53448	993	48-004	Moses Johnson, Johnson's Mills		William Whom, Hay	William Wilson, Hay
McKillop and Grey	44400	848	49-404	Robert Hays, McKillop		John O'Sullivan, McKillop	John O'Sullivan, McKillop
McGillivray	64016	1718	64-308	John Carbett, McGillivray		James Weanage, McGillivray	James Weanage, McGillivray
Stanley	45251	2064	747-8	Nathan Woods, Bayfield		James Gardner, Bayfield	W. Wellington Connor, Bayfield
Stephen	58341	742	44-864	Robert Walker, Devon		Joseph Rogers, Devon	Thomas Pruitt, Devon
Tuckersmith	41439	1727	71100	William Clark, McKillop		William Muir, McKillop	William Muir, McKillop
Usborne	43573	1454	52-96	David Kirk, St. Mary's		— Badge, Hay	Thomas Taylor, Hay
Wawanosh	84000	722	2839	Charles Girvin, Wawanosh		William Burnier, Wawanosh	William Taylor, Wawanosh
Hawick and Furnlery	No Municipal organization.						
<i>Bruce.</i>							
Arran and Elderslie	54832	149	44-96	Richard Barford, Arran East			Archibald Ray, Arran West
Brant and Carrick	70900	621	63-2	Joseph Walker, Brant			Archibald McVicar, Brant
Greenock	59525		37	George Croxson, Riversdale		John McGregor, Riversdale	Archibald Fraser, Riversdale
Huron	58680	214	5571	John Hunter, Line River			J. W. Gamble, Pine River
Kimcardine	68201	236	7674				
Bruce and Kinloss	60556	1149	2-27-27	William Rastall, Kincardine		James McGear, Kincardine	Charles R. Barker, Kincardine
	67176	100	37-3				
	44883	47	1174	Alexander McNabb, Saugeen			James D. Cahery, Saugeen
Saugeen	46434	277	833				

X. KENT.

Acres, 557,000; Population in 1852, 17,469; Assessed Value of Property in 1852, £496,579; County Town, Chatham. Kent sends one Member to the Provincial Parliament. Warden, James Smith, Dawn Mills; Treasurer, Alexander Charteris, Chatham; Clerk, Wm. Cosgrave, Chatham; Auditors, A. P. Salker and Samuel Poole, Chatham.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1852.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
Caunden and Zone	25800	1434	£4963	James Smith, Dawn Mills			Joseph Mills, Zone Mills
Chatham	29000	1768	6783	Samuel Arndell, Louisville		Richard Houston, Louisville	Richard Houston, Louisville
Chatham (Town)	67816		10125	Archibald McCellar		Duncan McGill	Duncan McGill
Boyer, West and Howard	81000	1723	48100	Robert Mitchell, Walkelburgh			Thomas W. Smith, Chatham
Howard	88100	2027	942-1	George Young, Hurwich	John McMichael, Blenheim	William Cosgrave, Chatham	William Cosgrave, Chatham
Orford	58000	2498	87187	James A. Hollis, Morpeth	Alexander Sinclair, Morpeth	William Latimer, Morpeth	William Latimer, Morpeth
Raleigh	32000	1566	37-41	Francis Johnston, Charville		D. H. Gesner, Charville	D. H. Gesner, Charville
Romey and Spisbury	72460	2460	71544	Henry Ronalds, Chatham		Walter McCre, Chatham	Walter McCre, Chatham
	27-100		30317	Thomas Jackson, Romey		Thomas Benwick, Romey	Thomas Benwick, Romey
	£25600	10-3		John Wilson, Tilbury East		James Smith, Tilbury East	James Smith, Tilbury East

XI. LAMBTON.

Acres, 699,826; Population, 10,811; Assessed Value of Property in 1852, £596,942; in 1853, £648,176; County Town, Port Sarnia. Lambton sends one Member to Parliament. Warden, H. Glass, Port Sarnia; Treasurer, Alexander Vidal, Port Sarnia; Clerk, Alexander Scott, Port Sarnia.

Dover, West	81,000	17,231	48,510	Robert Mitchell, Wadacelburgh	John McWhaich, Blohheim	Thomas W. Smith, Chatham
Hatfield	88,400	2,927	94,327	George Young, Harwich	Alexander Sinclair, Morpeth	William Cosgrave, Chatham
Howard	58,600	2,798	87,398	James A. Rolis, Morpeth		William Latimer, Morpeth
Ontario	33,000	1,966	37,966	Francis Johnston, Charville		B. H. Gosner, Charville
Raleigh	73,400	2,400	75,800	Henry Ronalds, Chatham		Walter McCrea, Chatham
Romey and Subury, East	27,400	1,023	30,317	Thomas Jackson, Romney		Thomas Kenwick, Romney
	52,600		30,317	John Wilson, Tibbury East		James Smith, Tibbury East

XI. LAMBTON.

Acres, 669,826; Population, 10,811; Assessed Value of Property in 1852, £596,942; in 1853, £643,176; County Town, Port Sarnia. Lambton sends one Member to Parliament. Warden, H. Glass, Port Sarnia; Treasurer, Alexander Vidal, Port Sarnia; Clerk, Alexander Scott, Port Sarnia; Surveyor, John O'Meara; Auditors, Thomas Forsyth and George W. Thomas, Port Sarnia.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1852.	REVEY.	DEPUTY REVEY.	TREASURER.	CLERK.
Beauséjour	72,926	1,093	5,587.69	William Ketchum, Beauséjour.		Thomas Crawford, Beauséjour.	Charles Brebner, Pine Hill
Brooke and Ennisville	74,700	511	7,257.6	James Sturtan, Napier		Alexander McGregor, Brooke	George Shirley, Brooke
Dawn	86,000	238	4,590	William Boylan, Dawn Mills		Henry Boulton, Dawn Mills	John Adam Zone Mills
Ephraïm	79,200	556	3,317.0	John Fancher, Zone Mills		W. Moorhouse, Sutherland's Cor.	W. Clements, Sutherland's Cor.
Moore	39,000	1,453	8,973.5	Peter McGlashan, Corunna		Charles McGlashan, Corunna	Alexander Sinclair, Moore
Plympton	72,400	1,258	6,242.2	George Hyde, Errol		George Whiting, Errol	Thomas Scott, Errol
Sarnia	76,400	1,511	9,459.4	Henry Glass, Port Sarnia		J. F. Davis, Port Sarnia	P. T. Ponssett, Port Sarnia
Sombra	37,900	1,384	7,552.6	A. P. Tomlin, Sombra		Peter Cattanauch, Sombra	Wm. Paterson, Sombra
Warwick	91,200	758	7,019.3	George Harrower, Warwick		James McHenry, Warwick	James McHenry, Warwick
	745,000	20,693	70,193				

Sombra includes Walpole Islands, St. Ann's Island, and the other islands; at the mouth of the River St. Clair.

XII. LANARK AND RENFREW.

United Counties; Acres, Lanark, 755,000; Acres, Renfrew, 490,000—Total Acres, 1,245,000; Population of Lanark, 27,297; Population of Renfrew, 9,415; Total Population, 36,712; Assessed Value of Property in 1853, £866,627; County Town, Perth. The County of Lanark is divided into two Ridings, each of which sends one Member to the Provincial Parliament, and the County of Renfrew sends one other. Warden, John Dorace, Perth; Treasurer, W. H. Radenburgh, Perth (acting August, 1854); County Clerk, W. R. F. Berford, Perth; Auditors, William McNaum Shaw, and Thomas Brooke, Perth.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1853.	REVEY.	DEPUTY REVEY.	TREASURER.	CLERK.
County Lanark.							
Drummond	2048	3,548	57,372	Sutton Frizell	James Noonan	Henry McDonald, Perth	Thomas Brooke, Perth
Edinburgh and South Sherbrooke	2576	1,808	6,929	John Motherwell		Henry McDonald, do.	Francis H. Cousitt, Perth
Lanark	61,868	20,491	4,102.2	Jeann Waddell, Anderson		Thomas Ellis, Pakenham Village	Francis J. Connerly, Pakenham Village
Leith	670	670	6,551	John Caldwell		W. Robertson, Lanark Village	W. Robertson, Lanark Village
Burgess North	2130	1,110		Michael Stanley		do.	James Watt, do.
Talbotville	4401	1,048	260.7	James Smith		do.	Francis H. Cousitt, Perth
North Sherbrooke and Lavan	6,221	3,396	6,574	James Gibbelly	Peter Maitland	John McDougall, do.	Andrew Melnich, do.
Montague	4,831	2,031	3,924	Alexander Fraser		Charles Vandusen, Kilmarnock	W. Ramsay, Kilmarnock
North Blansley	5,118	25,400	7,922	James Barrows		Robert Garry, Port Elmsley	W. B. Carroll, Smith's Falls
Kansay	5,041	3,256	10,427	John Scott		James Rosemond, Carlton Place	Even McLeven, Franktown
Perth	1,916	1,916	7,260	John Dorace	Francis G. Hall	James Wylie, Waterford	David Campbell, Waterford
Smith's Falls				John T. Beckwith		Thomas McCaffry, Jun., Perth	Thomas Brooke, Perth
							Robinson Harper, Smith's Falls

* This includes Smith's Falls.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1853.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
<i>County Renfrew.</i>							
McNab	36526	1513	32745	Duncan Campbell		John Forrest, McNab	Andrew Hamilton, McNab
Ross	17624	768	10807	Ephraim Olmstead		John Horton, Ross	D. Montgomery, Ross
Horton	10432	1142	35489	John L. McDougall		John McNab Horton	R. Noble Will, Renfrew Village
Bagot and Blythfield	15071	964	10011	Gerrard McCrea		John Wallace, Bagot	William Halliday, Bagot
Adamston	25606	686	8575	Eli Moore		W. Gibbons, Adamston	George Brown, Adamston
Bromley	13044	687	12481	Michael Mulligan		James Price, Bromley	George Brown, do.
Westmeath	33715	1152	27670	Caleb S. Bellows		Henry Price, Westmeath	— Mc Lenn, Westmeath
Pembroke and Stafford	15355	914	39294	Alexander Moffat		Alex. Moffat Junr, Pembroke	Andrew Irvine, Pembroke
Brougham, Grutton, & Wilberforce.*	No Municipal organization.						

* Wilberforce is now united to Bromley, and will be assessed this year.

XIII. LEEDS AND GRENVILLE.

United Counties; Acres, Leeds, 515,400; Acres, Grenville, 269,280—Total Acres, 784,680; Population, Leeds, 30,390; Population, Grenville, 20,707—Total Population, 51,097. The whole Taxable Property, both Real and Personal, in the Township Municipalities for 1853, amounted to £1,851,269: in 1854, to £1,763,470, exclusive of the Towns of Brockville and Prescott. County Town, Brockville. Leeds and Grenville send four Members to Parliament: one for Brockville, including Township of Elizabethtown; one for South Riding of Leeds; one for North Riding of Leeds and Grenville; and one for South Riding of Grenville; Warden, Eleazer H. Whitmarsh, Brockville; Treasurer, James L. Schofield, Brockville; Clerk, James Jessup, Brockville; Surveyors—Grenville, Edward Robertson, Elizabethtown; Leeds, Walter Findlay, and John Green, Brockville.

[64]

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1854.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
<i>Leeds.</i>							
Eastard	13000	3148	599,236	Philo Hicoek, Beverly	Joseph Polk, Portland	R. D. Davison, Beverly	John Warren, Beverly
South Bress	52300	276	215126	F. L. Lethorp, Brockville	W. B. McClean, Brockville	J. S. McClean, Brockville	G. S. McClean, Brockville
Brockville (Town)	50200	1785	39384	Benjamin Teh, Newboro		W. D. Roe, Westport	W. Whelan, Westport
Crosby North	50200	1578	51006	Richard Preston, do.		John Leggett, Newboro	John Leggett, Newboro
Crosby South	78200	5208	274414	Robert Fiden	Joseph T. Godkin	William Niblock, Brockville	J. A. Brown, Brockville
Elizabethtown	26000	1442	30879	William Tweedy, Smith's Falls	James Shanks, Kitley	Robert Graham, Smith's Falls	Edward F. Weeks, Smith's Falls
Elmley	50400	3225	116682	Hugh Ross, Kitley	R. W. Ferguson, Kitley	R. W. Ferguson, Kitley	R. W. Ferguson, Kitley
Leeds and Landstown, Front	48063	2292	42892	James Kriker, Gananoque	Wm Robinson, Gananoque	Wm. Landon, Gananoque	Thomas Cheevers, Gananoque
Idito	39000	1550	95247	Edward Green, Lyndhurst	Wm Lyndhurst	Allan Sweet, Lyndhurst	John Kendrick, Lyndhurst
Yongo and Escott, Front	82300	5060	81668	Aza Parish		Joseph L. Dousley, Escott	Joseph L. Dousley, Escott
Idito						W. King	W. King
<i>Grenville.</i>							
Augusta	74006	5154	166456	William Carvey, Maitland	William Flynn, Maitland	William Pennoek, Maitland	Philemon Pennoek, Maitland
Edwardsburgh	67000	4779	109946	Allen Hunter, Spencerville	William Small, Spencerville	W. B. Earle, Spencerville	T. Robertson, Edwardsburgh
Gower, South	21080	863	39484	John Grant, Hick's Corners		Farad Shaver, Hick's Corners	Farad Shaver, Hick's Corners
Oxford	58000	4495	107216	Robert Kermallan, Kempsville	Lyman Clothier, Kempsville	Wm. Dougan, Kempsville	Robert Lashoe, Kempsville
Prescott (Town)	2156	2156	115716	Alexander McMullan, Prescott		John Ferguson, Prescott	John Ferguson, Prescott
Wolford	49300	5259	89594	E. A. Whitmarsh, Merrickville	W. Kirkland, Merrickville	S. McGee, Merrickville	Samuel McCarthy, Prescott

XIV. LINCOLN AND WELLAND.

United Counties—Acres, Lincoln, 195,700; Acres, Welland, 228,000—Total Acres, 423,700; Population, Lincoln, 23,868; Population, Welland, 20,141: Total Population, 44,009. Assessed Value of Property in 1854, £3,156,585. County Town, Lincoln.

[64]

Greenville.	74000	5154	166450	William Garvey, Maitland	William Flynn, Maitland	William Penrock, Maitland	Philomon Penrock, Maitland
Augusta	67000	4713	109944	Allen Hunter, Spencerville	William Small, Spencerville	T. Robertson, Edwinstown	T. Robertson, Edwinstown
Edwinstown	21000	863	33848	John Grant, Hick's Corners	Hick's Corners	Jared Shaver, Hick's Corners	Jared Shaver, Hick's Corners
Gower, South	58000	4495	107210	Robert Kernahan, Kemptville	Lyman Clothier, Kemptville	Robert Leslie, Kemptville	Robert Leslie, Kemptville
Oxford	2156	2156	115710	Alexander McMillan, Prescott	W. Kirtland, Merricksville	Daniel McCarthy, Prescott	Daniel McCarthy, Prescott
Prescott (Town)	49200	3259	865944E	A. Whitman, Merricksville		Samuel Jacques, Merricksville	Samuel Jacques, Merricksville
Wolford							

XIV. LINCOLN AND WELAND.

United Counties—Acres, Lincoln, 195,700; Acres, Welland, 228,000—Total Acres, 423,700; Population, Lincoln, 22,868; Population, Welland, 20,141; Total Population, 44,009. Assessed Value of Property in 1854, £3,156,585; County Town, Niagara. Lincoln and Welland send one member each, and the Town and Township of Niagara send one member to the Provincial Parliament. Warden, Elias S. Adams, St. Catharines; Treasurer, Daniel McDougall, Niagara; Clerk, Joseph A. Woodruff, Niagara; Surveyor, John Page, St. Catharines; Auditors, John Ross and Henry Pafford, Niagara.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed Value 1854.	REEVE.	DEPUTY REVEE.	TREASURER.	CLERK.
<i>Lincoln.</i>							
Calstor	34100	1398	£104656	Joseph B. Brooks	J. Tisdale, Welland Port	J. Tisdale, Welland Port	J. Tisdale, Welland Port
Clinton	25200	2402	189365	Robert Henry	J. S. Henry, Beamsville	J. S. Henry, Beamsville	J. S. Henry, Beamsville
Gainsborough	38000	2538	140722	George Seard	John Upper, Smithville	John Upper, Smithville	A. E. Best
Graintham	22400	3210	207049	Robert Lawrie	Chas. Rolfs, St. Catharines	Chas. Rolfs, St. Catharines	C. Rolfs, St. Catharines
Grimsby	32500	2448	186006	John W. Lewis	H. Smith, Smithville	Henry Smith, Smithville	Henry Smith, Smithville
Leith	19000	1818	137367	William Adams	Philip Beamer, Jordan	A. Martin, Jordan	A. Martin, Jordan
Niagara	22400	2257	189368	Joseph Wynn	A. Shaw, Niagara	A. Shaw, Niagara	A. Shaw, Niagara
Niagara (Town)	59200	3340	163909	John Simpson	John Powell	Thos. McCormick, Niagara	J. H. Johnson, Niagara
St. Catharines (Town)	4398	4398	549290	E. S. Adams	Patrick Warren	T. L. Hellwell, St. Catharines	H. Slate, St. Catharines
<i>Welland.</i>							
Berthia	36400	2757	150795	George Harrison	J. Stanton, Fort Erie	J. Stanton, Fort Erie	James Stanton, Fort Erie
Chippewa, (Village)	18000	1175	63821	James Cummings	Bank of Upper Canada	J. W. Wilkinson, Chippewa	J. W. Wilkinson, Chippewa
Crowland	31200	2240	123133	Leonard Matthews	E. N. Brookfield, Crowland	Alex. Reid, Crowland	Alex. Reid, Crowland
Humberstone	29000	2400	181733	W. K. Smith	J. Thompson, Humberstone	John Thompson, Humberstone	John Thompson, Humberstone
Pelham	22000	3111	228408	W. McAlister	J. S. Price, Pelham	D. P. Everard, Pelham	D. P. Everard, Pelham
Stamford	48000	2735	165870	Robert Tolson	John Pew	J. C. Woodruff, Drummondville	R. Henley, Drummondville
Thorold, (Village)	59200	1089	47821	Wm. B. Hendershot	G. Vanderburgh	J. Rennie, Alenburgh	Chas. Stewart
Wainfleet	1841	1841	117841	John Greybiel		W. Stanley	W. Stanley
Willoughby	16000	1352	71735	James Bell	Edward Lee, Marshville	John Bobbie	L. S. Yockum, Marshville

XV. MIDDLESEX.

Acres, 650,698; Population, 39,899; Assessed Value of Property, 1854, £2,087,559; County Town, London City. London sends one member to Parliament, and the County being divided into an East and West Riding sends two members. Warden, John Scatcherd, London; Treasurer, W. W. Street, London; Clerk, J. B. Strathly, London; Auditor, Chas. Mouservat and John Brown, London.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed Value 1854.	REEVE.	DEPUTY REVEE.	TREASURER.	CLERK.
Adelaide	45000	1974	£54900	Hiram Dell, Stathroy	Wm. Edliff, Adelaide	Wm. Edliff, Adelaide	Wm. Edliff, Adelaide
Caradoc	76400	3118	97782	Holcroft Clerch, Delaware	Hugh Anderson, Delaware	Hugh Anderson, Delaware	Edward Handy, Caradoc
Delaware	39000	1861	75066S	M. Towle, Delaware	W. H. Niles, Nilesston	— Rogers, Delaware	John Johnstone, Delaware
Dorchester, North	30000	2570	122819	R. Craik, Nilesston	W. H. Niles, Nilesston	R. W. Kay, Nilesston	R. W. Kay, Nilesston
Ekfrid	58150	1792	76516	Geo. J. Smith, Ekfrid	— Woodman, Amiens	Archibald Miller, Strathburn	Walter Macfarlane, Ekfrid
Lobo	48000	2147	107584	McKillop, Lobo	Wm. Elphitt, London	Wm. Elphitt, London	John Brown, Lobo
London (Town)	103200	6738	370104	Wm. Baker, London	Murray Anderson, London	Wm. Balfour, London	John Brown, London
London (County)	35000	1099	525500	Murray Anderson, London	Murray Anderson, London	John Brown, London	John Brown, London
Metcalfe	49500	2975	454422	Thos. Moyle, Napier	J. B. Winlow, Napier	Edward Goldrick, Napier	Edward Goldrick, Napier
Mississauga	49500	1832	93171	T. Sparling, Strathburn	Wm. Neil, Wardsville	Charles Golls, Wardsville	Charles Golls, Wardsville
Missouri, West	36600	5003	94011	John Scatcherd, London	Solomon Vining, London	A. Murray, London	Francis Bowers, Jr., London
Westminster	77645	2264	311125E	Griffith, London	Peter McClary, London	A. Murray, London	A. Murray, London
Williams			94554	D. Frazer, Falkirk	L. Mott	Colin McKenzie, Williams	Colin McKenzie, Williams

XVI. NORFOLK.

Acres, 333,200; Population, 21,280; Assessed Value of Property, 1853, £1,105,698; 1854, £1,338,859. County Town, Simcoe. Norfolk sends one member to the Provincial Parliament. Warden, L. H. Hunt, Simcoe; Treasurer, Henry Groff, Simcoe; Clerk, S. J. Fuller, Simcoe; Surveyor, D. Marr, Simcoe; Auditors, Thomas J. Mullins and William Wallace, Simcoe.

TOWNSHIPS.	No. of ACRES.	Pop. 1852.	Assessed 1854.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
Charlottetown.....	56906	2780	£160072	Simpson McCall, Victoria.....	David B. Smith, Vittoria.....	J. M. Smith, Vittoria.....	E. Shannon, Vittoria.....
Houghton.....	38800	1509	54835	Peter Conzhill Houghton.....		J. Bridgeman, Houghton.....	G. Walker, Son, Houghton.
Middletown.....	45400	1721	66397	R. Crysher, Fredericksburg.....		W. L. Sovereign, Fredericksburg.....	R. W. Mackay, Delhi.
Simcoe (Town).....	1472	136833*	53000	N. C. Ford, Simcoe.....		R. U. Wilson, Simcoe.....	Wm. McMill, Simcoe.
Townsend.....	63400	4024	298888	Oliver Blake, Waterford.....	Thos. Clarke, Waterford.....	Nelson Broughtmer, Waterford.....	N. Brugginer, Waterford.
Windham.....	75400	5990	148220	H. W. Baugiere, Kovan's Mills.....	S. Hanna, Rowan.....	Jno. Killmaster, Port Rowan.....	R. Richardson, Port Rowan.
Woodhouse.....	68400	2900	172905	L. H. Hunt, Simcoe.....	David Matthews, Simcoe.....	John Robbins, Simcoe.....	John Brown, Waterford.
	34200	284	224019	Andw. Thompson, Port Dover.....	Walker Powell, Simcoe.....	Henry Groff, Simcoe.....	D. Marr, Jr., Simcoe.

XVII. NORTHUMBERLAND AND DURHAM.

United Counties; Acres, Northumberland, 467,500; Acres, Durham, 396,600; Total Acres, 864,100. Population, 1852, Northumberland, 31,229. Population Durham, 30,734; Assessed Value of Property, 1853, £479,865; Rental Value of Towns, Cobourg, £21,240; Port Hope, £19,051; Bowmanville Village, £9,950; County Town, Cobourg. Each County sends two members to the Provincial Parliament. Warden, James Smith, Esq., M.P.P., Port Hope; Treasurer, Wm. A. Burnham, Cobourg; Clerk, Morgan Jellett, Cobourg; Engineer, Thos. S. Gore, Rice Lake; Auditors, Thos. Eyre and John Wade, Cobourg.

TOWNSHIPS.	No. of ACRES.	Pop. 1852.	Assessed 1854.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
<i>Northumberland.</i>							
Brakton.....	3725		£16532	Edward H. Smith.....	A. T. Mayhew.....	A. Squier.....	John B. Young.
Cobourg (Town).....	3871	2993	245914	R. H. Throp.....	H. J. Rutten.....	David Burn.....	David Brodie.
Conant.....	68006	2993	173048	R. M. Boucher.....	John C. Prouce.....	Wm. Pascon.....	James P. Scott.
Haldimand.....	74006	4534		John Wilson.....	Philip Kelly.....	Donald Hare.....	Thomas Millikan.
Altwick.....	20000	836	38000	Thomas Solomon.....	Joseph Phillips.....	I. S. Gratton.....	George Whitaker.
Hamilton.....	68000	5008		James B. Fortune.....		Robt. Hariston.....	Charles Bourne.
Monaghan, South.....	18700	1051	141196	Joseph Barnard.....		John Perrin, Sr.....	James Eakins.
Murray.....	82300	3725	741196	Stephen Young.....		W. H. Fox.....	Henry Fieldhouse.
Percy.....	55000	2005	102916	Isaac S. Blah.....		L. J. Dorland.....	J. J. Dornald.
Seymour.....	74000	2781	102901	George Hee.....	Charles French.....	Alex. Donald.....	Alex. Donald.
<i>Durham.</i>							
Bowmanville, (Village).....	46804	1750		Drummond G. Fletcher.....		David Deacon.....	Asa B. Fairbairn.
Carleton.....	44000	4138	203801	John Swan.....	John Thorn.....	Wm. Brock, Jr.....	William Simcoe.
Carleton Place.....	73000	6190	522259	Joseph L. Trickle.....	Richard Walsh.....	Wm. Brock.....	John Parham.
Darlington.....	73400	8005		Matthew Jones.....	Wm. H. Rogers.....	Henry Elliott.....	Edward Wicksall.
Hope.....	67000	5299		Robert Marsh.....	Robt. Redford.....	Wm. H. Alban.....	Duncan Cleghorn.
Manvers.....	70000	2568	122615	Porter Preston.....		David Gardner.....	Alfred Reley.
Port Hope, (Town).....	70000	2478		James Smith.....	John S. Smith.....	Charles Hughes.....	Walter Waller.

* Rental reduced to principal.

+ Rental value.

Clarksville	14100	4188	29880	John Swain	Richard Thorn	Wm. Berry, Jr.	William Saunders
Charlotte	72000	4190	322369	Joseph L. Tucker	Richard Walsh	John Taylor	John Taylor
Darlington	75400	8005	Matthew Jones	Wm. H. Rogers	Henry Elliott	Richard Wigham	Richard Wigham
Hope	67000	5298	Robert Marsh	Robt. Bedford	Wm. H. Allan	Duncan Cleghorn	Duncan Cleghorn
Manvers	2508	12205	Porter Preston	John S. Smith	David Gairdner	Alfred Ryde	Alfred Ryde
Port Hope (Town)	7000	2478	James Smith	John S. Smith	Charles Hughes	Walter Waller	Walter Waller

* Rental reduced to principal.

+ Rental value.

XVIII. ONTARIO.

Acres assessed, 453,104; Population in 1852, 30,576; Assessed value of Property in 1853, \$1,537,111. County Town, Whitby. Ontario is divided into a North and South Riding, and sends two Members to the Provincial Parliament. Warden, Thomas N. Gibbs; Treasurer, William Paxton, jun.; Clerk, H. J. Macdonell; Engineer, John Shier; Auditors, James Hodgson and John Welsh.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1853.	REEVE.	DEPUTY REVE.	TREASURER.	CLERK.
Brook	64906	3518	£168294	H. Hall Thompson, Cambridge	John Hart, Cambridge	John Metcalfe, Cambridge	John Metcalfe, Cambridge
Carleton Place	52313	1403	32220	Thomas Melnott, Athery	Wm. C. McMillan, Athery	Wm. C. McMillan, Athery	Wm. C. McMillan, Athery
Pickering	71256	6737	436391	John M. Jamieson, Pickering	Peter Taylor, Pickering	Wm. Dunbar, Dunfermlin	Reverend Barton, Pickering
Beach and Seabog	71341	4312	147731	Thomas Paxton, Manchester	Robert Walls, Pickering	Richard Land, Port Perry	Wm. Pownson, Manchester
Scott	48805	1028	141231	John K. Vernon, Scott	George Thompson, Scott	George Thompson, Scott	George Thompson, Scott
Thorah	25211	1146	36128	Neh. Mc Dougall, Beaverton	John McKay, Beaverton	John McKay, Beaverton	John McKay, Beaverton
Uxbridge	32522	2283	63825	William Hamilton, Uxbridge	John P. Plunk, Coudsville	John Gordon, Brooklin	Robert Spears, Uxbridge
Whitby	64900	7396	63815	John Hart Perry, Whitby	Abraham Farewell, Oshawa	John Gordon, Brooklin	John Gordon, Brooklin
Oshawa (Village)	688	1142	3371	F. N. Gibbs, Oshawa	Abraham Farewell, Oshawa	Walter Sutton, Oshawa	P. McEneaney, Oshawa

XIX. OXFORD.

Acres, 479,944; Population in 1852, 32,638; Assessed value of Property in 1853, \$1,655,678; County Town, Woodstock. Oxford is divided into a North and South Riding, and sends two Members to the Provincial Parliament. Warden, Donald Matheson, Embro; Treasurer, James Kintrae, Woodstock; Clerk, W. L. Landon, Woodstock; Auditors, James Laycock and James Kintrae, Woodstock.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1853.	REEVE.	DEPUTY REVE.	TREASURER.	CLERK.
Blandford	29456	1256	53047	John Barwick	J. M. Kennedy, Richmond	James Kintrae, Woodstock	Lehon, F. Sharp, Woodstock
Bleby	60000	3965	23226	George Perry, Washington	J. F. Bowdell, Mount Elgin	J. D. Leveck, Blythe	J. H. Leveck, Blythe
Berham	67200	3744	296323	B. Yannonian, Berham	J. F. Bowdell, Mount Elgin	E. V. Leveck, Mount Elgin	E. V. Leveck, Mount Elgin
Ingersoll (Village)	1740	1196	8142	Thomas Brown	Thomas Brown	J. Parsons	James Barry, Ingersoll
Nissour, East	4574	2118	66551	Dominic Horsman, Thainston	J. Lupton	John Fair, Thainston	R. McDonald, Thainston
Norwich	6710	5239	29322	Asa Durkee, Otterville	J. Lupton	John Fair, Thainston	M. Mott, Norwich
Oxford, East	35022	2510	13225	William Peers, Woodstock	James Scarr, Woodstock	James Scarr, Woodstock	James Scarr, Woodstock
Do. North	20417	1575	5830	John Armstrong, Ingersoll	Wm. Parks, Ingersoll	A. Hildson, Ingersoll	Wm. Parks, Ingersoll
Do. West	27316	1891	12300	W. B. Mabee, Ingersoll	Wm. Parks, Ingersoll	Wm. Parks, Ingersoll	Wm. Parks, Ingersoll
Woodstock (Town)	1419	2142	13368	John Finkle	Wm. Parks, Ingersoll	Wm. Parks, Ingersoll	Wm. Parks, Ingersoll
Zorra, East	59191	2306	11172	John Herliogton, Woodstock	W. Wilson, Woodstock	James Scarr, Woodstock	John Greig, Woodstock
Do. West	56450	2391	11282	D. Matheson, Embro	R. Matheson, Embro	James Kintrae, Woodstock	D. E. Perry, Woodstock

XX. PERTH.

Acres, 446,728; Population, 1852, 15,545; Assessed Value of Property, 1854, \$526,771. County Town, Stratford. The County of Perth sends one member to Parliament. Warden, William Smith, Stratford; Treasurer, Alexander McGregor, Stratford; Clerk, Stewart Campbell, Stratford; Surveyor, Joseph G. Kirk, Stratford; Auditors, A. F. Mickle and Samuel L. Roberts, Stratford.

TOWNSHIPS.	No. of Acres, 1852.	Assessed 1854.	REVEE.	DEPUTY REVEE.	TREASURER.	CLERK.
Blanchard.....	49250	278	Arundel Hill, St. Marys.	Louellan McIntosh.....	Thomas Christie, St. Marys.	Thos. Christie, St. Marys.
Dowile and Gore.....	40495	272	William Smith, Stratford.	William Clynne.....	Alex. Vetrogoz, Stratford.	James I. edford, Stratford.
Easthope, North.....	43391	291	7000 Alexander Grant, Shakspeare.		Alex. Fisher, do	James Trow, Shakspeare.
Easthope, South.....	21883	137	5835 Andrew Helmer, do		Andrew Helmer, do	Wm. C. Sney, do
Ellice.....	15300	128	6072 Robert Henry, Sebringville.		Stewart Campbell, Stratford.	Stewart Campbell, Stratford.
Bromington.....	40627	55	21169 James Watson, Millbank.		James Brown, Fullarton.	Thomas Dunn, Millbank.
Fullerton.....	50724	93	5327 James Watson, Fullarton.		James Brown, Fullarton.	Thomas Dunn, Millbank.
Hibbert.....	41176	191	42225 Robt. Donkin, Caronbrook.		Edward Downey, Mitchell.	— Sullivan, Mitchell.
Logan, Elma and Wallace.....	41176	191	37513 Robt. Christie, Mitchell.		Edw. Segmiller, Stratford.	Stewart Campbell, Stratford.
Stratford (Village).....	137463	698	32225 Wm. F. McCulloch, Stratford.		E. F. Woods, Mitchell.	Robert Caneer, Mitchell.
	150	150				

XXI. PETERBOROUGH AND VICTORIA.

United Counties; Acres, Peterborough, 643,300; Total Acres, 1,121,500. Population, Peterborough, 15,257; Population, Victoria, 11,657; Total Population, 26,894. Assessed value of property, 1853, Townships, £843,868; Peterboro, £165,132; County Town, Peterborough. Each County sends one member to the Provincial Parliament. Warden, Wm. Cottingham. Metcalfe; Treasurer, Walter Sheridan, Peterborough; Clerk, W. Sheridan, Peterborough; Surveyor and Engineer, John Reid, Peterborough; Auditors, Robt. Reid and James Foley, Peterborough.

TOWNSHIPS.	No. of Acres, 1852.	Assessed 1855.	REVEE.	DEPUTY REVEE.	TREASURER.	CLERK.
Asphodel.....	39650	£5 051			Jas. S. Fowlds, Hastings.	James Foley, Norwood.
Belmont and Methuen.....	70000 } 1926	16830 } 253	Peter Pearce, Norwood.		M. O'Brien, Peterborough.	Robt. Casement, Peterborough.
Douro.....	74000 } 1075	44875 } Jas. Hogan, Peterboro.			G. A. Hill, Warsaw.	G. A. Hill, Warsaw.
Dummer and Burleigh.....	1400 } 1040	25095 } F. Crow, Warsaw.			Wm. Fowler, Peterborough.	Chas. Ormond, Peterborough.
Monaghan North.....	1400 } 1040	25145 } Thos. Fortye, Peterboro.			Jos. Reid, Otonabee.	Jos. Reid, Otonabee.
Otonabee.....	74000 } 965	17378 } Anderson, Otonabee.			Wm. Lang, Otonabee.	Wm. Lang, Otonabee.
Peterborough (Town).....	62000 } 3872	16332 } W. S. Conger, Peterboro.			Wm. Claxton, Peterborough.	Thos. White, Jr., Peterborough.
Smith and Harvey.....	61200 } 2191	3872 } John Walton, Peterboro.			Chas. Burton, Peterborough.	Chas. Burton, Peterborough.
Ennisnore.....	107200 } 675	11772 } D. Costello, Bridgewater.			Michael Costello, Bridgewater.	Michael Costello, Bridgewater.
Elton.....	68800 } 1326	29599 } Isael Ferguson, Woodville.			David Ferguson.....	Annus Kay, Elton.
Emilly.....	64800 } 2763	17330 } Wm. Cottingham, Emilly.			Thos. Matchell, Emilly.	John Grady, Emilly.
Mariposa.....	72800 } 3895	13103 } John Jacobs, Oakwood.			Geo. King, Oakwood.	John Lytle, Clark.
Cps.....	60000 } 2512	98009 } Thos. Keenan, Lindsay.			Jno. Allanby, Lindsay.	J. O'Leary, Lindsay.
Verulam.....	62000 } 571	34536 } J. W. Dunsford, Fenelon Falls.			W. Powles, Fenelon Falls.	Wm. Powles, Fenelon Falls.
Sommerville.....	57500 } 596					
Fenelon and Bixley.....	95200 } 596					

XXII. PRESCOTT AND RUSSELL.

United Counties; Acres, Prescott, 305,620; Acres, Russell, 242,400; Total Acres, 548,020; Population, Prescott, 10,476; Russell, 3,034. Assessed Value of Property, 1853, £402,115; County Town, L'Orignal. Prescott and Russell send one Member each to the Provincial Parliament. Warden, Archibald Petrie, Esq., Cumberland; Treasurer, Neil Stewart, Esq., L'Orignal; Clerk, P. O'Brian, L'Orignal; Auditors, J. W. Marston, R. Donald, L'Orignal.

TOWNSHIPS.	No. of Acres, 1852.	Assessed 1854.	REVEE.	DEPUTY REVEE.	TREASURER.	CLERK.
Prescott.						

United Counties; Acres, Prescott, 305,620; Population, Prescott, 10,476; Russell, 3,034. Assessed Value of Property, 1853, £402,115; County Town, L'Orignal. Prescott and Russell send one Member each to the Provincial Parliament. Warden, Archibald Petrie, Esq., Cumberland; Treasurer, Neil Stewart, Esq., L'Orignal; Clerk, P. O'Brian, L'Orignal; Auditors, J. W. Marston, R. Donald, L'Orignal.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1854.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
<i>Prescott.</i>							
Caledonia.....	4706	458	£2639	William Bradley, Caledonia.....		James Proudfoot, Caledonia.....	D. D. Barrett, Caledonia.
Hawkesbury East.....	870	3929	7577	Arch. McBean, Rigaud.....		James Gamble, East Hawkesby.....	J. Gamble, East Hawkesby.
Hawkesbury West.....	4094	2505	7576	H. W. McCann, Vankleek Hill.....		D. McDonald, Vankleek Hill.....	Anthony Philip, Vankleek Hill.
L'Orignal.....	2928	1305	7504	{ Ethlin R. Marston, L'Orignal.....		S. M. Cushman, L'Orignal.....	John Farrer, L'Orignal.
Alfred.....	4540	584	7504	{ Joseph McTavern, Plantagenet.....		Patrick McTavern, Plantagenet.....	A. James, Plantagenet.
Plantagenet North.....	4540	1292	2630	{ Peter McMartin, do.....		John McCrank, do.....	A. Hagar, do.
Plantagenet South.....	4540	643	1664	{ Peter McLaurin, Riceville.....		P. McCaurin, Riceville.....	A. McLarn, Riceville.
Cumberland.....	72206	1631	49494	A. Patric, Cumberland.....		John A. Wilson, Cumberland.....	John D. Wilson, Cumberland.
Clarence.....	63006	760	6002	{ Wm. Edwards, Clarence.....		Alex. McCaul, Clarence.....	— Roe, Clarence.
Cambridge and Russell.....	101270	766	6002	{ John Stewart, Russell.....		John Duncan, Russell.....	James Keays, Russell.

XXIII. PRINCE EDWARD.

Acres, 213,900; Population, 18,887; Assessed Value of Property in 1853, £926,637; County Town, Pictou. Prince Edward sends one Member to the Provincial Parliament. Warden, Absalom Greeley, Sophiasburgh; Treasurer, David Smith, Pictou; Clerk, R. J. Chapman, Pictou; Auditors, R. J. Fitzgerald and John S. Clute, Pictou.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1853.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
<i>Ameliasburgh.</i>							
Ameliasburgh.....	38803	3286	£19274	Sylvanus Sprague, Ameliasburgh.....	James Jacques, Concession.....	Wm. Brickman, Redversville.....	S. Macdonald, Ameliasburgh.
Alford.....	20003	1621	7178	Wm. A. Peden, Cherry Valley.....	David S. Conger, Pictou.....	J. Cairns, Cherry Valley.....	G. Cairns, Cherry Valley.
Hallowell.....	40850	2563	17870	John Marney, Pictou.....	Lewis Hargis, Millford.....	John Richards, Pictou.....	G. A. Sargent, Hallowell.
Hillier.....	3000	2662	15095	James T. Lane, Wellington.....	Robert Turnbull, Millford.....	A. Dorland, Hillier.....	Philip Eagler, Hillier.
Mar'sburgh.....	4230	5342	12496	John Clark, Millford.....	Blalmond Vallent, Pictou.....	James Clapp, Hillier.....	Robert Turnbull, Millford.
Sophiasburgh.....	42150	2734	19928	Absalom Greeley, Demorestville.....	Chas. S. Wilson, Pictou.....	H. Panning, Demorestville.....	H. Panning, Demorestville.
Pictou (Town).....	1539	628	628	Chas. S. Wilson, Pictou.....		John Twigg, Pictou.....	John Twigg, Pictou.

XXIV. SIMCOE.

Acres, 1,150,400; Population, 27,165; Assessed value of property, 1852, £901,639; County Town, Barrie. Simcoe sends two Members to the Provincial Parliament. Warden, James Sanson, Orillia; Treasurer, Edmund Lally, Barrie; Clerk, John Strathy, Barrie; Surveyor, Henry Creswick, Barrie; Auditors, Allan Lloyd and Patrick Smith, Barrie.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1852.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
<i>Aljida.</i>							
Aljida.....	42900	1941	£3974	Robert Keenan, Aljida.....		Patrick Kelly, Aljida.....	James Hart, Aljida.
Essa.....	6899	1507	8410	Wm. McClain, Essa.....		Henry Morris, Cookstown.....	John Jerratt, Cookstown.
Tessaronto.....	4180	49	15699	Wm. Arnsou, Bradford.....	Thomas Macnamy, Bradford.....	John Goodfellow, Bradford.....	Geo. Douglas, Bradford.
Gwillimbury West.....	3300	2541	8072	T. R. Ferguson, Cookstown.....	Ed. Mon. Melotte.....	Benj. Ross, Innesfil.....	Benj. Ross, Innesfil.
Innesfil.....	6900	1116	30152	John Craig, Essa.....	George McManis, Mono MBS.....	Samuel Atkinson.....	And. Henry, Mono Centre.
Monro.....	70400	2680	5417	John Cooper, Mulmur.....	John Little, Mulmur.....	John Little, Mulmur.....	John Little, Mulmur.
Mulmur.....	70400	755	2884	John Cooper, Mulmur.....		F. Hewson, Nottawasaga.....	Angus Bell, Nottawasaga.
Nottawasaga.....	100000	1337	5293				

SINCOL.—Continued.

TOWNSHIPS.	No. of Acres, 1852.	Pop. 1852.	Assessed 1852.	ROYAL.	DEPUTY REEVES.	TREASURER.	CLERK.
Orillia and.....	74209	718	25380	James Sanson, Orillia.....		B. R. Rose, Orillia.....	E. R. Rowe, Orillia.
Mid-Orillia.....	47400	7	6023	Richard Drury, Oro.....			Bureau Clark, Oro.
Oro.....	73040	2027	15116	Alexander Gaviller, Bond Head	George Binwood.....		David Evans, Bond Head.
Preserved.....	67293	2978	18874	S. Fraser, Penetanguishene			H. H. Thompson, Penetanguishene
Thyng and.....	87060	718	18874				
Thyng.....	50400	140	12242				
Verona and.....	64400	163	7752	Jonathan Lane, Barrie.....		William Mann, Barrie.....	Wm. Mann, Barrie.
Summerville.....	55200	253	2670	Peter Cleveland.....			
Thos.....	64400	545	12000				

Thos belongs also to Sinece on the East by the line between the late Home and Newcastle Districts, prolonged to French River, on the West by Lake Huron, on the North by French River, and on the South by the River Severn and the Township of Ham, and the Islands in Lake Simcoe and Huron lying wholly, or for the most part, opposite to the said County of Simcoe, or any part thereof, and contiguous thereto.

XXV. STORMONT, DUNDAS, AND GLENGARY.

United Counties—Acres, Stormont, 250,209; Acres, Dundas, 241,200; Acres, Glengary, 288,680—Total Acres, 777,480. Population, Stormont, 14,691; Population, Dundas, 13,811; Population, Glengary, 17,573—Total Population, 46,075; Assessed Value of Property in 1854, £1,337,000; County Town, Cornwall. Each of the three Counties, Stormont, Dundas, and Glengary, sends one Member to the Provincial Parliament. The Town of Cornwall also sends one. Warden, Alexander McDonnell, Alexandria, Lochiel; Treasurer, Rod. Macdonald, Cornwall; Clerk, Peter J. McDonell, Cornwall; Surveyor, John Bruce; Auditors, Samuel Hart and Angus McDorell, Cornwall.

TOWNSHIPS.	No. of Acres, 1852.	Pop. 1852.	Assessed 1852.	REEVES.	DEPUTY REEVES.	TREASURER.	CLERK.
<i>Stormont.</i>							
Cornwall (Town).....	1092	47,000	Alexander, McEwan, Cornwall	Alan McDonell.....	R. Macdonald, Cornwall.....	Charles Poole, Cornwall.	A. E. McDonell, St. Andrews.
Cornwall.....	63600	4705	14500	James N. Dixon, Cornwall.....	Donald Davidson, Martintown.....	Donald Davidson, Martintown.	John Beckas, Osnaburck.
Rosborough.....	70200	2142	45000	Wm. Cephalan.....	Samuel Ault, E. Williamsburgh G. N. Archibald.....	Stewart Connell.	
Osnaburck.....	62800	4709	43000	George Munroe.....	J. Munroe, Jun.		
Finch.....	51000	1469	43000	Walter Bell, N. Williamsburgh.....	Alexander McDonell.....	H. Eastwood.....	Peter Dickcy.
<i>Dundas.</i>							
Williamsburgh.....	42800	4264	30000	Giles W. Pageart.....	Chas. F. Casselman.....	W. Cook.....	Philip Curran.
Windchester.....	57000	2575	19500	W. Casselman.....	J. Boran.....	James Clark.....	
Mt. Hope.....	62900	4108	45000	A. H. Munroe.....	James Cleland.....		
Mountbath.....	57000	2764	45000				
<i>GleNGary.</i>							
Lamcaster.....	57200	4089	12500	J. McNeill.....	J. S. Autherland.....	Peter Grant.	Owen Quigley, Lochiel.
Lochiel.....	48400	4174	12400	Alexander McDonell (Senior).....	Owen Quigley, Lochiel.....	J. R. Smith, Martintown.	John Murray, Keppon.
Charlestown.....	65000	5547	17000	Donald McLeppan.....	John R. Smith, Martintown.....		
Keppon.....	60400	2842	7500	James McDonell.....	James Frazer.....	Angus McDonald, Alexandria.....	
Indian Reserve.....	30284			This Reserve is attached to, and forms part of the Townships of Charlottenburg and Kenyon.			

XXVI. WATERLOO.

Aeres, 228,463; Population in 1852, 26,597; Assessed Value of Property in 1853, £1,456,251; County Town, Berlin. Waterloo being divided into a North and South Riding, sends two Members to the Provincial Parliament. Warden, John Scott, M.D., Berlin; Treasurer, Clerk, William Davidson, Berlin; Auditors, D. H. Forbes, Galt, John A. Mackie, Berlin.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1853.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
Waterloo	91154	7098	£118190	Usher, Clamers, Preston	Henry Snider, Bridgeport	David S. Showmaker, Berlin	D. S. Showmaker, Berlin.
Windsor	92989	5227	93250	William Scott, New Hamburg	Christop. Downing, Philipsburgh	G. C. Master, New Hamburg	Michael Meyers, Baden.
North Dumfries	4700	3475	20345	Duncan Ferguson, Galt	Thomas Chisholm, Galt	James Dow, Woodville	James Geddes, Galt.
Woolwich	5800	3042	14825	Peter Winger, West Woodville	John Meyer, Heidelberg	Wm. Hastings, Crophill	R. R. Bennis, Jun., St. Jacobs.
Wellesley	6885	3540	12115	Michael P. Empey, Hawkesville	John Zoeger, Wellesley	H. N. Bowmans, Berlin	Geo. Ballards, Hawkesville.
Berlin	254	2248	45743	John Scott, M.D., Berlin	.....	Adam Ker, Galt	Wm. Davidson, Berlin.
Galt (Village)	.....	.....	13764	John Davidson, Galt	.....	.....	Adam Ker, Galt.
Preston (Village)	.....	1189	59883	Henry Hagey, Preston.	.....	Alex. Allan, Preston.	A. Allan, Preston.

XXVII. WELLINGTON.

Aeres, 701,694; Population, 1852, 23,793; Assessed Value of Property, £1,169,465; County Town, Guelph; Wellington being divided into a North and South Riding sends two members to the Provincial Parliament. Warden, James Wright, Guelph; Treasurer, William Hewat, Guelph. Clerk, A. D. Ferrier, Fergus or Guelph; Auditors, Edwin Newton and G. Keeling, Guelph; Surveyor, Francis Ker, Guelph.

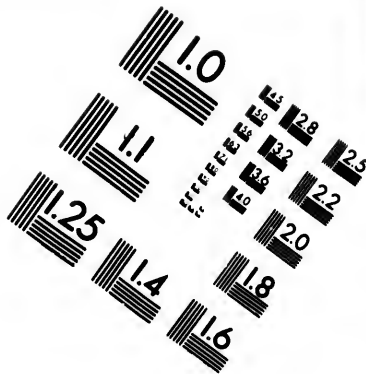
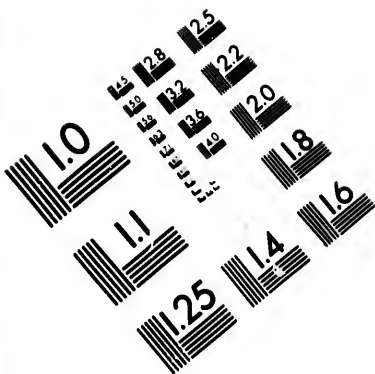
TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1851.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK'S.
Amaranth and Carleton	62200	500	£8042	John Curry, Reading.	John Dolbin, Garsden.	.....	John Armstrong.
Arthur and Elgin	94000	2083	6524	Robt. Morrison, Arthur.	.....	.....	Thomas Galbreath, Orangeville.
Elgin	74900	400	50000	.....	.....	.....	Wichard Cox.
Erin	70400	3290	15707	W. Clark, Erin.	R. L. Campbell.	.....	W. Tyler, Erin.
Fergus	44900	2550	15000	Donald Black, Everton.	.....	.....	W. Oliphant, Everton.
Guelph (Town)	.....	1830	42900	Jas. Wright, Guelph.	Jos. Shortrad, Guelph.	Thos. Sindlands, Guelph.	W. Thompson, Guelph
Marvborough	5077	994	2222	W. S. G. Knowles.	.....	James Hough.	James Hough.
Nelol	28000	2150	60857	Saml. Robertson, Holbin.	.....	James McQueen, Fergus.	James McQueen, Fergus.
Pelkington	74800	1535	67801	Jas. Ross, Fergus.	P. O'Reilly, Arthur.	.....	F. H. Hartney.
Presburch	28000	1000	81000	W. Roberts, Elora.	.....	.....	W. P. Newman, Elora.
Further	5800	58	17478	J. Cockburn, Aberfoyle.	David Horton, Guelph	.....	A. Smith, Aberfoyle.
	90000	435	.....	No Municipal organization.	.....	.....	.....

XXVIII. WENTWORTH AND HALTON.

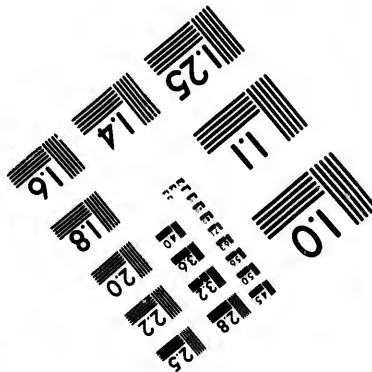
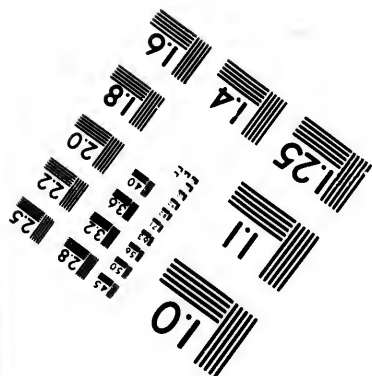
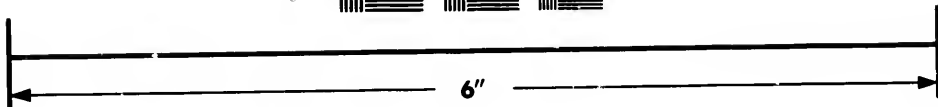
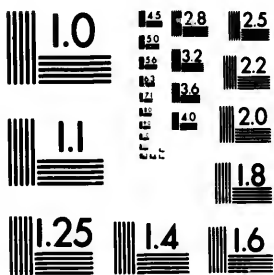
United Counties: Aeres, Wentworth, 265,223; Aeres, Halton, 225,299; Total Aeres, 491,522. Population, Wentworth, exclusive of Hamilton City, 28,507; Population, Halton, 18,322; Total Population, exclusive of Hamilton City, 46,829. Assessed Value of Property in 1854, Wentworth, £1,757,478; Halton, £1,171,789; Total, £2,929,258. County Town, City of Hamilton; Population in 1852, 14,199. The County Wentworth sends two members, Halton one, and the City of Hamilton one member, each to the Provincial Parliament. Warden, John Heslop, Ancaster; Treasurer, James Keating, Hamilton; Auditor, T. M. Simons, and James S. Wetmull, Hamilton; Solicitor, John O. Hart.

Mountain	57206	4099	125000	J. McMillin	J. S. Anthonland	.....	Peter Grant.
Lanark	68400	4174	120000	Alex. McBonell, Alexandria	Alexander Macdonell (Seton)	Owen Quigley, Leitch	Owen Quigley, Leitch.
Charlottenburg	65900	3537	170000	Donald McLennox	Duncan Ross	John R. Smith, Martin town	J. R. Smith, Martin town.
Kenyon	69400	2812	75000	James McNeill	James Frazer	Angus McDonald, Alexandria	John Murray, Ferry ca.
Indian Reserve	32828	.....	.....	This Reserve is attached to, and forms part of the Townships of Charlottenburg and Kenyon.	.....	.....	.....





**IMAGE EVALUATION
TEST TARGET (MT-3)**



**Photographic
Sciences
Corporation**

23 WEST MAIN STREET
WEBSTER, N.Y. 14580
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TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1854.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
<i>Wentworth.</i>							
Ancaster	47189	4653	£27,472	John Heslop, Ancaster.	Jacob Binkley, Ancaster.	James Chep, Ancaster.	Matthew Crooks, Ancaster.
Barton	13874	1735	183067	Michael McKean, Hamilton.	Alex. A. Secord, Hamilton.	Alex. A. Secord, Hamilton.	J. H. Buckholder, Hamilton.
Beverly	6429	5620	229204	James McQueen, Beverly.	Duncan McKenzie, Beverly.	H. G. Kaylor, Koccon.	W. H. Barclay, Koccon.
Brimbrook	2319	1737	110854	Henry Hall, Brimbrook.	John Quarry, Dundas.	Jessie Taylor, Brimbrook.	Daniel Lynch, Brimbrook.
Dundas (Town)	33126	2903	181850	Robt. Spence, Dundas.	John Quarry, Dundas.	Robt. W. Suter, Dundas.	Walter Chisholm, Dundas.
Elmhorough East	30450	3533	229304	Alex. Brown, Watertown.	Wm. Bullock, West Flamboro'.	E. Evans, Watertown.	R. N. Hopkins, Watertown.
Elmhorough West	25399	2008	137373	Thos. Morris, West Flamboro'.	Wm. Bullock, West Flamboro'.	John Weir, West Flamboro'.	W. D. Donaldson, West Flamboro'.
Glanford	28255	2801	125225	Thos. Shaw, Glanford.	Henry Lutz, Hamilton.	Thos. Choate, Jr., Glanford.	Thos. Choate, Jr., Glanford.
Sattliffe,	68087	5225	257337	John Williamson, Stoney Creek.	Henry Lutz, Hamilton.	Jones, Stoney Creek.	J. Davis, Jr., Mount Allison.
<i>Halton.</i>							
Esquesing	4480	2237	77308	Jas. Young, Georgetown.	John Stewart, Esquesing.	John Murray, Stewart Town.	John Murray, Stewart Town.
Nassagaweya	4658	4078	273032	Thos. Easterbrook, Nassagaweya.	Robt. Miller, Milton.	Geo. Easterbrook, Nassagaweya.	James McNair, Nassagaweya.
Nelson	67021	6782	563703	Geo. Ghent, Wellington Square.	Robt. Lawrence, Trafalgar.	Timothy Cooper, Nelson.	Timothy Cooper, Nelson.
Trafalgar	67021	6782	563703	R. K. Chisholm, Oakville.	Robt. Lawrence, Trafalgar.	J. W. Williams, Oakville.	Robert Balmer, Oakville.

XXIX. YORK AND PEEL.

United Counties—Acres, York, 525,498, Acres, Peel, 207,659; total Acres, 813,152; Population, in 1852, York, (exclusive of Toronto City,) 48,900; Population, Peel, 24,816; Total Population, exclusive of Toronto City, 73,716; Assessed value of property, 1851, £4,315,903, 1852, £4,012,000, 1853, £4,545,379. County Town, Toronto City; Population in 1852, 30,763. York sends three Members to the Provincial Parliament, Peel sends one Member, and the City of Toronto sends two Members. Warden, John W. Gamble, M.P.P., Vaughan; Treasurer, James S. Howard, Toronto; Clerk, John Elliott, Toronto; Auditors, R. Moore and N. Gatchell, Toronto; Engineer, F. W. Cumberland, Toronto.

TOWNSHIPS.	No. of Acres.	Pop. 1852.	Assessed 1853.	REEVE.	DEPUTY REEVE.	TREASURER.	CLERK.
<i>York.</i>							
Etobicoke	28085	3471	£265279	Joseph Smith.	Andrew Ward	W. Ward, Humber.	W. Ward, Humber.
Gwillimbury East	53716	2207	170421	Henry D. Siles	Moses Knight	William Selby, Sharon.	H. D. Wilson, Sharon.
Gwillimbury North	30846	1176	47885	David Sprague	J. D. Phillips	Henry Draper, Keswick.	Richard Shephard, Keswick.
King	82300	6930	333846	George Hughes	J. D. Phillips	Joseph Woods, King.	Joseph Woods, King.
Markham	68530	7726	500609	Henry Miller	J. Reesor	H. T. Crosby, Markham.	H. Crosby, Markham.
Scarborough	42749	4244	281685	John Torrance	William Clark	F. Hellwell, Scarborough.	S. Closson, Scarborough.
Vaughan	68099	7723	462500	John W. Gamble	David Bridgford	James Ashdown, Pinegrove.	James Ashdown, Pinegrove.
Whitechurch	60332	4758	274920	Joseph Hartman	J. Brown	John Bogart, Newmarket.	G. S. Porter, Newmarket.
York	54080	10025	571187	William James	William Tyrell	J. Willson, 4th York Mills.	J. Willson, 4th York Mills.
Georgina	55600	1005	41482	Samuel Park	John Shore	O. Foster, Yorkville.	C. Foster, Yorkville.
Yorkville (Village)	57467	4281	65280	John Sleigh.	Henry Shore	O. Foster, Yorkville.	C. Foster, Yorkville.
<i>Peel.</i>							
Albion	1300	3707	187856	Thomas Swinarton	John Kirkwood	Wm. Armstrong, Bolton Mills.	Wm. Armstrong, Bolton Mills.
Brampton, (Village)	67202	3707	72898	John Lynch	Thomas Kirkwood	C. Rutledge, Caledon.	George Dadds, Caledon.
Caledon	80200	7439	440504	John Richardson	John Kirkwood	D. L. Lynch, Brampton.	D. L. Lynch, Brampton.
Chinguaconsay	92540	7539	533346	Joseph Wright	Samuel Price	W. A. Thompson, Springfield	John Ebleston, Streetsville.
Toronto	18860	1820	132227	William Taylor	Samuel Price	John Adams, Humber.	Joseph Figg, Stanley Mills.
Toronto Gore	18860	1820	132227	William Taylor	Samuel Price	John Adams, Humber.	Joseph Figg, Stanley Mills.

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PROVINCIAL CANALS, 1854.

Rates of Toll, also the Way Tolls with a Common Standard established for certain Articles and Packages.

RATES OF TOLL ON THE CANALS ARE DIVIDED INTO SEVEN CLASSES, AS UNDER.

	Welland, each way.	St. Lawrence.		Chambly and St. Ours Lock, each way.	Total from Lake Erie to Lake Champlain.	St. Ann's Lock, each way.
		Up.	Down.			
<i>Class No. 1.</i>						
Vessels of all kinds - - - - - per Ton	s. d. 0 1½	s. d. 0 1½	s. d. 0 0¾	s. d. 0 0¾	s. d. 0 3	s. d. 0 0¾
<i>Class No. 2.</i>						
Passengers twenty-one years and over, each - - - - -	0 6	0 6	0 3	0 3	1 0	0 0¾
Do. under twenty-one years, each - - - - -	0 3	0 3	0 1½	0 1½	0 6	0 0¾
<i>Class No. 3.</i>						
Apples, Bark, Bricks, Cement, Clay, Coal, Gypsum, Hemp, Iron, (Pig, Scrap, Railroad, Bloom and Broken Castings,) Lime, Manganese, Manures, Marble, Onions, Ores, (other than Iron Ore,) Potatoes, Salt, Sand, Slate, Stones Wrought or Unwrought, Tobacco (Unmanufactured,) per Ton weight - -	1 0	1 0	1 0	0 6	2 6	0 2
<i>Class No. 4.</i>						
Ashes (Pot and Pearl) Bacon, Barley, Beer, Bran and Ships' Stuff, Broom-Butter, Corn, Cider, Bones, Cattle, Corn, Cotton (Raw,) Flax, Hay (Pressed) Hogs, Hoofs, Horns, Junk, Lard, Lard-Oil, Meals (of Barley, Rye, Corn and Oats,) Nails, Oats, Oil Cake, Oil Meal, Pork, Rags, Rye, Seed of Flax and Clover, Sheep, Spikes, Stove and other Iron Castings, and all other Iron not otherwise described, Tallow, Vinegar, and Window Glass, per Ton Weight -	1 6	1 6	1 6	0 6	3 6	0 3
<i>Class No. 5.</i>						
Beef, Beeswax, Biscuit, Carts, Charcoal, Cheese, Coffee, Copperas, Earthenware, Fish, Furniture and Baggage of Settlers, Flour, Glassware, Hams, Hides and Skins (Raw,) Horses, Manila, Mechanics' Tools, Molasses, Oakum, Ploughs, Sleighs, Steel, Stoneware, Sugar, Tin, Waggons, Wheat, and all other Agricultural Produce not enumerated and not being Merchandise, Whiskey, and Wool, per Ton Weight - - - - -	2 3	1 9	1 6	0 9	4 6	0 3
<i>Class No. 6.</i>						
All Goods and Merchandise, not enumerated, per Ton Weight - - - - -	5 0	5 0	1 10½	0 9	7 7½	0 3
<i>Class No. 7.</i>						
Iron Ore per Ton - - - - -	0 3	0 3	0 3	0 3	0 3	0 3
TIMBER:—						
Barrels, Empty, each - - - - -	0 1	0 1	0 1	0 1	0 3	0 0
Barrel Hoops, per M - - - - -	0 2	0 2	0 1	0 1	0 4	0 0
Boards, Planks, Scantling, and other Sawn Timber, reduced to inch Measure, in Vessels, per M Superficial feet - - - - -	1 6	0 9	0 6	0 6	2 6	0 2
Siding Lath, and other Sawn Stuff, less than 1 inch thick, per M superf. feet - - - - -	1 6	0 9	0 6	0 6	2 6	0 2
Ditto on Rafts, per M superficial feet - - - - -	3 0	1 6	1 0	1 0	5 0	0 2
Boat Knees, each - - - - -	0 3	0 1	0 1	0 1	0 5	0 0
Fire Wood, per Cord, on Rafts - - - - -	0 7½	1 3	1 3	0 6	2 4½	0 1½
Floats, per 100, for each Lock passed - - - - -	0 2	0 2	0 2	0 2	0 6	0 0
Saw Logs 12 feet long, if longer in proportion, entering the Canal, each - - - - -	0 2	0 2	0 2	0 1	0 0	0 0
Ditto leaving the Canal, each - - - - -	0 10	0 2	0 2	0 1	0 0	0 0
Shingles, per M - - - - -	0 4	0 4	0 2	0 1½	0 7½	0 1
Split Posts and Fence Rails in Vessels, per M. - - - - -	2 0	2 0	2 0	1 0	5 0	0 0
Ditto in Raft, do. - - - - -	4 0	4 0	4 0	2 0	10 0	0 0
Staves and Heading (Barrel) per M. - - - - -	2 0	1 0	1 0	0 9	3 9	0 3¾
Ditto (Pipe) do. - - - - -	10 0	8 9	8 9	2 6	21 3	1 3
Ditto (West India) per M - - - - -	3 9	3 9	3 9	1 3	8 9	0 7½
Timber Square in Vessels, per M Cube feet - - - - -	25 0	5 0	5 0	5 0	35 0	1 3
Ditto in Raft, when permitted to pass through the Canal, do. - - - - -	40 0	10 0	10 0	10 0	60 0	1 3
Ditto Round or Flatted under 12 x 12, Railroad Ties in Vessels, per M Lineal ft. - - - - -	20 0	3 9	3 9	3 9	27 6	0 7½
Ditto in Raft, when permitted to pass through the Canal, do. - - - - -	35 0	7 6	7 6	7 6	50 0	0 7½
Traverses, per 100 for each Lock passed - - - - -	0 0½	0 0½	0 0½	0 0½	0 1½	0 0
Axe-Handles, Beadstead and Blind Stuff, Broom and Brush Handles, Brush Backs, Chair Stuff, Door Stuff, Fellos, Fence Pickets, Gun Stocks, Hand-spikes, Hoop and Hop Poles, Hubs, Lasts, Looking Glass Backs, Oars, Plane Stocks, Plough Handles, Sash Stuff, Spokes, Treennails and Turned Wood-Ware, per Ton measure of 40 Cube Feet - - - - -	2 0	2 0	2 0	1 3	5 3	0 0

NOTE.—The following Way Rates to be levied on Vessels and Property passing the several Subdivisions of the Canals:—

- Welland Canal.*
1. From Port Maitland, Dunnville and Port Colborne to Port Robinson or Allanburgh not passing the Lock, each way—one-half rate.
 2. From Chippewa Cut or part thereof, to Dunnville, Port Maitland, or Port Colborne—five-eighths rate.

3. From Port Maitland, Dunnville or Port Colborne to Port Robinson, and if going out at the Chippewa Cut—one-half rate.
4. From Dunnville to Port Colborne—three-eighths rate.
5. From Thorold to St. Catharines—one-quarter rate.
6. From Maitland, Dunnville, Colborne or Port Robinson to Marshville—one-quarter rate.
7. From Marshville to Maitland, Dunnville, Colborne, or Port Robinson—one-quarter rate.

Wm. Armstrong, Bolton Mills.
George Dodds, Caledon.
D. L. Lynch, Brampton.
John Embleton, Streetsville.
Joseph Flegg, Stanley Mills.
Wm. Armstrong, Bolton Mills.
C. Rutledge, Caledon.
D. L. Lynch, Brampton.
W. A. Thompson, Springfield.
John Adams, Humber.
Henry Shore.
John Kirkwood.
Thomas Sharp.
Samuel Price.
1851-50 Thomas Swinarton.
12088 John Lynch.
122863 John Richardson.
446504 James Hamilton.
533366 Joseph Wright.
132527 William Taylor.
1300
672921 5707
80200 7469
92540 7539
188900 1820
Brampton, (Village)
Caledon
Chingawacousay
Toronto
Toronto Gore

- 8. From Port Robinson to Allanburgh or Thorold—one-eighth rate.
 - 9. From St. Catharines to Dalhousie, one-eighth rate.
 - 10. From Dunville to Maitland—one-eighth rate.
 - 11. From Robinson through Lock or Chippewa Cut—one-eighth rate.
 - 12. Chippewa Cut or part thereof, to Port Robinson,—one-eighth rate.
 - 13. From Colborne to Maitland—three-eighths rate.
- Note.—Saw Logs to be charged 2d toll on entering, and 10d on leaving the Canal, whether passing through the Canal or through part of it only.

St. Lawrence Canal.

The Navigation to be divided into four Sections, viz: Edwardsburg, Cornwall, Beauharnois and Lachine:—Vessels passing one section only, to be charged one quarter rate, two sections, one-half, and so on. These four Sections together constitute the St. Lawrence Canal.

Note.—Saw Logs to pay 2d on entering, and 2d on leaving the Canal, passing through the whole line, or only a section or part of a section.

Chambly Canal.

Vessels passing from Sorel to Chambly—one-third rate. Ditto from Chambly to St. John—two-thirds rate.

Note.—Saw Logs to pay 1d. entering the Canal and 1d. on leaving the Canal, whether passing through the Canal, or through a section or part of a section only.

Special Notice.

In lieu of the deductions of 25 per cent and 33¼ per cent, allowed by the Tariff of 1852, the Regulation hereunder mentioned has been established, to wit:

The following articles having paid full Tolls through the St. Lawrence Canal, to be passed FREE through the Welland Canal, and if having previously paid tolls through the Chambly Canal, such tolls to be refunded at the Canal Office at Montreal, viz:—Iron of all kinds and Salt; and the following articles having paid full tolls through the Welland Canal, to be passed FREE through the St. Lawrence and Chambly Canals, viz:—Wheat, Flour, and Corn.

Iron Ore through the whole line of Canals upwards or downwards, or through any one Canal, per ton, 3d.; and proportionate Toll for one or more sections of any one Canal.

General Note.—Vessels and Freight passing less than one section, to be charged one whole section.

The same rate of Toll to be taken each way, unless otherwise directed above.

STANDARD.

Articles equal to a Ton.

Apples and Green Fruit, 10 lbs.; ditto dried, 10 lbs.; Ashes, 4 lbs.; Barley, 45 bush; Beans, 37 bush; Beef, 8 lbs.; Biscuit and Crackers, 10 lbs.; Butter, 8 barrels or 25 kegs; Corn, 40 bush; Fish (salted) 8 lbs.; Flour, 10 lbs.; Gypsum, 7 lbs.; Lard or Tallow, 8 barrels or 25 kegs; Liquors and Spirits, 240 gal.; Liquids, all other, 240 gal.; Meats, all kinds, 10 lbs.; Nuts, 2240 lbs. or 10 lbs.; Oats, 56 bush; Oysters, 2240 lbs or 7 barrels; Pease, 37 bushels; Pork, 8 barrels; Potatoes, 40 bushels; Rye, 40 bushels; Salt, 8 barrels or 30 bushels; Seeds 10 barrels or 46 bushels; Whiskey, 5 barrels, or 240 gallons; Wheat, 37 bushels; Barrels, empty, 10; Barrel Hoops, 12 M; Board and other Sawed Lumber, inch measure, 600 superficial feet; Sawed Lumber less than inch thick, 600 superficial feet; Boat

knees four or 40 feet; Floats, 40 cubic feet; Saw logs, 40 cubic feet or two; Shingles, 12 M or bundles; Split poles and fence rails, 1 M; Square Timber, 50 cubic feet; Round or flatted, under 12x12 50 Round feet; Traverses, 40 cubic feet; all other Timber or Wooden Articles as per Tariff, 40 cubic feet measurement.

Equal to 2½ Tons.

Staves, Barrel, 1 Mille.

Equal to 5 15th Tons.

Fire Wood, 1 cord.

Equal to 5 Tons.

Stone, 1 cord.

Equal to 8 3-8ths Tons.

Staves, Pipe and heading, 1 mille; Ditto West India, ditto.

BERLINGTON BAY CANAL.—Application has been made to the Provincial Government to extend the South Pier of this Canal into Lake Ontario 500 feet, so as to make it a safe harbor in winter at all times. The following are the rates of toll at present charged:—Merchandise not enumerated, 2s. 9d. per ton; Flour, 1½d.; Pork and Beef, per bbl. 4d.; Brandy, Gin, Rum, Whiskey, Shrub, Peppermint and Vinegar, per bbl. 6d.; Wine, 7½d. per bbl.; Butter and Lard, per keg or firkin, 2d.; Cheese, Beeswax and Tallow, per cwt. 3d.; Beer and Cider, per bbl. 4d.; Apples, Frosh and Dried Fruit, Nuts and Rice, per bbl. 2d.; Oil, per bbl. 6d.; Fish, salted or fresh, per bbl. 4d.; Fish, Dried Hams and Bacon, Sugar, per cwt. 2d.; Tobacco Leaf, per cwt. 3d.; Tobacco, (manufactured), per cwt. 3d.; Biscuit, Crackers, and Oysters, per bbl. 4d.; Onions, Seeds, per bush, ½d.; Bran, Ship Stuff, per ton 2s. 6d.; Wheat, Indian Corn, Rye, Barley, per bush, ½d.; Oats, Potatoes, Beans, Peas, Seeds, and Vegetables of all kinds, per bush, ½d.; Raw Cotton and Wool, per ton 2s. 6d.; Hay, Hemp, and Rags, per ton 1s. 8d.; Sheep, Hogs, Calves and Colts, each 1d.; Horses, Horned Cattle, Asses, each 3d.; Flax Seeds, and all other seeds in barrels, per bbl. 2d.; Salt, free; Sea Coal and Gypsum, not ground in bulk, per bbl. 2d.; Ground Gypsum and Cement, in barrels, per barrel 1d.; Gypsum, ground, in bulk, free; Pot and Pearl Ashes, per bbl. 7½d.; Pitch, Tar, Varnish, Turpentine, per bbl. 6d.; Brick, Sand, Lime, Clay, Grindstones, Cut Stones, Iron Ore, Millstones, per ton 10d.; Pig and Scrap Iron and Broken Castings, Wrought Iron, per ton 1s.; Iron Castings, going up, ditto; going down, per ton, 2s. 6d.; Mineral Coal, American, per ton 1s.; Charcoal, Copperas, and Manganese, Pig and Bar Lead, per ton 1s. 3d.; Lead, manufactured, per ton 2s.; Stones, unwrought, per cord, 10d.; Firewood, per cord, 2d.; Tan Bark, per cord, 7½d.; Stoneware and Earthenware, per ton 2s.; raw and dressed Hides and Skins, per cwt. 1d.; Furs, per cwt. 3d.; Furniture and Baggage, per ton 1s. 3d.; Carbs, Wagons, Sleighs, Ploughs, Mechanics' Tools, Farming Implements, per ton 2s. 6d.; Squared Timber, 12x12, round or flat, per M. c. feet, 2s. 9d.; Squared ditto under 12x12, round or flat, per M. c. feet, 2s. 6d.; Small round Building Timber, per M. lined feet, 2s.; Boards, Planks, Scantling, and Sawed Lumber, per M. feet meas. 6d.; Pipe Staves and Heading, per Mille, 7s. 6d.; West India Staves and Headings per mille, 1s. 8d.; Headings, per mille, 16d.; Shingles, per mille, 3d.; Saw Logs, each 2d.; Cedar Posts, per cord, 1s. 3d.; Posts and Rails for fencing, per cord, 1s.; Empty Barrels, each ½d.; Pickins, small Casks, Packages, &c. ½d.

PROGRESS OF EDUCATION IN UPPER CANADA.

Educational Progress in Upper Canada, from 1842 to 1853.—Statistics are sober facts. Though often eloquent, they have none of the illusion of romance. They are the pulse of national health and progress. They indicate its prosperity or its decay, and for this reason they are zealously and carefully compiled, and, by statesmen and public men, as carefully and anxiously scanned. They severely test alike the elaborate theory and the most carefully digested scheme. Viewed in this light they are of the utmost importance in testing our educational progress.

Impressed with a conviction of the present, as well as prospective value of minute and accurate statistics in regard to the yearly operations of our national system of schools, as a basis for future improvements, the head of the Educational Department for Upper Canada has offic-

ally collected, through the local school authorities, each year, a great variety of information relating to the working of every part of that system. This information has been embodied from time to time in his Annual Reports to the Governor General, and laid before the Legislature during each Session of Parliament.

The result of these extended and minute examinations and enquiries from year to year has been in every respect most cheering and gratifying. Not that our progress has been equally certain and satisfactory in every department or every feature of our school system; but that we are now in possession of a series of yearly observations and facts, in regard, not only to our successes, but to our failures; showing alike our educational enterprise, and our culpable negligence in the performance of a public and important

duty; not only that tens of thousands of children are being trained up to intelligence and virtue in our public schools, but that thousands more never visit a school at all,* or, if they do, it is but transiently; that in our cities and towns, while every facility for education is being liberally provided by the public, numbers choose to grow up in ignorance and vice, without control or restraint, and in violation of the implied social compact between citizens and communities.

It is satisfactory to know, however, that at every test-point of our system, patriotism and philanthropy unite to sustain, extend and perpetuate it; and were it not that selfishness and avarice too frequently influence some parents to sanction the absence of their children from school on the slightest pretext or pressure of business—to starve their intellect so as to enrich their pocket—the reproach which now exists would cease for ever.

One or two striking facts have become apparent in compiling a somewhat novel table for the Chief Superintendent's Annual Report for 1855. The table consists entirely of *negatives*. It is designed to show the number of children

in each county, city and town, who *do not* attend school, the per centage of the population who *cannot* read or write, the number of sections in which *no* rate was imposed by the trustees for the support of the school, and also those sections in which *no* lectures were delivered during the year by local superintendents, as required by law.

It is a singular coincidence, as exhibited by these tables, that the facts which they reveal all bear a mutual relation to, and are the exponents of, each other. Thus, for instance, in those counties in which a large per centage of the adult population cannot read and write, there is an equally large per centage of the children which do not attend school; low rates are imposed and few lectures delivered, in this way perpetuating the very disgrace or misfortune which exists in the locality. On the other hand, where the great majority of the people can read and write, there the absence from school is comparatively infrequent, larger rates are imposed, and more lectures are delivered by the local superintendents.

One thing is evident from this table of negatives, that those persons who have never themselves enjoyed the advantages of education, are instinctively opposed to placing it within the reach of their children; thus proving that, although they may have acquired wealth and a degree of influence without the aid of education, they are nevertheless utterly unable to appreciate the value of that mental discipline which would doubtless fit their children for attaining to still higher positions of honour, benevolence and usefulness in their country.

* The returns for the year 1853 reveal the fact, that of the school population of 282,971 in Upper Canada, only 194,750 are reported as attending the Common Schools, and about 7,758 the grammar and private schools, thus leaving about 79,577 children destitute of the blessings of education.

A General Statistical Abstract, exhibiting the comparative State and Progress of Education in Upper Canada, as connected with Universities, Colleges, Academies, Grammar, Private, Common, Normal and Model Schools, during the years 1842 to 1853, inclusive. Compiled from returns in the Educational Department.

SUBJECTS COMPARED.	1842	1844	1845	1846	1847	1848	1849	1850	1851	1852	1853
Adult Population, U. Canad.	487055	522570*	522570*	522570*	522570*	522570*	522570*	522570*	522570*	522570*	522570*
Population between 5 & 16 yrs.	441143	483559	483559	483559	483559	483559	483559	483559	483559	483559	483559
Colleges in operation	5	5	5	5	6	6	7	7	7	8	8
County Gram. S. & Academies	825	825	830	831	82	83	89	87	79	71	79
Private Schools reported	824	860	865	860	96	117	157	224	159	167	174
Normal and Model Schools	..	..	..	..	2	2	2	2	2	3	3
Common Schools	1721	2610	2736	2589	1727	280	2871	3059	3041	3040	3127
Total educat. Establishments	1795	2700	2836	2705	2803	2068	3076	3319	3283	3278	3391
Free Schools in operation	..	..	..	..	..	..	..	252	855	801	1052
Students of Colleges & Univer.	..	..	..	..	700	740	775	684	642	751	755
Academy & Gram. S.	..	..	..	..	1099	1115	1120	1070	289	394	389
Private Schools	..	..	..	..	1831	2345	3048	4663	3948	4533	3822
Total Students and Pupils of Normal & Model Schools	..	..	..	..	..	256	490	370	353	645	735
Pupils in Common Schools	63978	96756	113602	101612	121820	136739	138465	151891	168153	176887	191733
Total Students and Pupils of Universities, Colleges, Academies, Grammar, Private and Common Schools	65978	96756	110002	101612	131290	135295	144406	159078	178305	189316	203896
Total Amount available for Salaries of Com. S. Teachers Do. for the erection of School Houses, & for Libraries, &c.	415000	507146	715144	679901	775990	806603	884780	881290	1029700	1130316	1300207
Total Amount available for Teachers' Salaries, erection of School Houses, &c.	..	..	..	..	..	..	..	1029700	1219847	1300850	1617690
Received by other Institutions	..	..	..	..	..	..	..	..	328047	308890	375297
Total available for Education	..	..	..	..	..	..	..	..	1347847	1709740	1992987
Total Com. School Teachers	..	..	2800	2925	3023	3177	3209	3476	3277	3388	3539
Male do.	..	..	..	..	2365	2507	2505	2397	2551	2511	2601
Female do.	..	..	..	..	658	670	704	779	726	847	938
Average number of Months each Com. School kept open	..	75 1/2	8	8 1/2	8 1/2	9	9 1/2	9 1-11	9 1-15	9 1-15	129-30
Attendance, during Summer	..	..	..	..	70459	72204	70842	83230	85161	90696	100696
Boys	..	..	..	..	38538	39382	41784	44637	45409	48068	53068
Girls	..	..	..	..	31920	32822	35010	38743	39752	41428	47628
Attendance, during Winter	..	..	..	..	76711	78196	81449	84981	86756	90059	100559
Boys	..	..	..	..	45429	46402	48303	49050	49867	52252	57252
Girls	..	..	..	..	31282	31794	33146	35921	36889	37807	43307

* An Approximation only—no specific information having been received by the Department.
 NOTE.—The returns in the foregoing table up to the year 1847, are not very complete; but since that period they have been sufficiently so to establish a data by which to compare our yearly progress in educational matters. In consequence of a change in the School Law, no reports for the year 1843 were received. The returns are now pretty extensive, and embrace all Institutions of Learning from the Common School up to the University; but hitherto the sources of information regarding this latter class of Institutions have been rather private than official, which should not be the case. The Annual Report of a Department of Public Instruction should present, in one comprehensive tabular view, the actual state and progress of all our Educational Institutions—Primary, Intermediate and Superior.

The condensed statistics, which we give on the preceding page are taken from the Chief Superintendent's forthcoming Annual Report for 1853. They exhibit the following interesting facts and contrasts:—

In 1844, three years after the system was first organized, the number of common schools in operation in Upper Canada was 2,610, (and many of them very inferior indeed) while, in 1853, the number reported as in operation—many of which are very superior, and all of them greatly improved in every essential particular—was 3,127, an advance of twenty per cent. The multiplication of schools however does not necessarily indicate an improvement. The policy of the Department has been rather to encourage an enlargement of the boundaries of existing sections than to multiply new and feeble ones. The result has been the extinction of many of the old schools, and the re-division of townships into more compact and stronger school sections, sustained at a less aggregate expense to the township at large. The increase in the number of good schools has, therefore, been about 1,000, and has taken place in new townships and in the hitherto unsettled parts of old townships.

In 1844, the number of pupils reported as attending the common schools in Upper Canada, out of a school population of 183,539, between the ages of 5 and 16 years, was 46,756; while in 1853, the number reported as attending school, out of a school population of 282,071 was 194,736; showing therefore that while the school population has

not doubled, the school attendance has nearly *quintupled* that of 1844; or, in other words, while in 1844 the school attendance was only *one fourth* that of the school population, it is now nearly *three fourths* that of the entire school population! Cheering facts certainly.

In 1844, the total amount available from all sources for the payment of teachers' salaries in Upper Canada was £51,714 or \$206,866, while in 1853 it was \$520,156, or an increase of upwards of one hundred per cent. in nine years.

In 1850 (beyond which year our statistics on some of these points do not extend) the grand total available from all sources for teachers' salaries, the erection and repairs of school houses, and the purchase of school apparatus and requisites, amounted to upwards of \$400,000, while in three years it reached the noble sum of \$470,000, or upwards of half a million of dollars—more than three-fourths of which large sum was raised by the voluntary action of the people themselves, in their several localities. The additional amount reported as received and expended by grammar and other schools and colleges was \$160,104, thus making it appear that \$798,696 were available for the purposes of promoting general education in Upper Canada during the year 1853. No doubt the current year will witness enterprise and zeal no less creditable to Upper Canada, and no less gratifying to every lover and promoter of his country's educational advancement.

STATEMENT showing the number of Books issued from the Educational Department to Public Libraries in Upper Canada up to the end of August, 1854.

Number of vols. sent out during the Months of	History.	Zoology.	Botany.	Phenomena, &c.	Physical Sciences.	Geology, &c.	Natural Philosophy.	Chemistry.	Agricultural Chemistry.	Practical Agriculture.	Manufactures.	Modern Literature.	Ancient Literature.	Voyages, &c.	Biography.	Tales and Sketches.	Practical L.	Teachers' Library.	Grand totals.
November, 1853	168	62	16	29	15	5	9	6	9	48	36	70	20	54	126	284	4	961	
December	3990	1546	271	877	511	229	187	126	183	759	708	2187	417	1687	2791	4894	204	20961	
January, 1854	624	279	46	143	34	30	34	29	48	151	98	289	19	291	435	545	34	3129	
February	1290	627	125	275	237	85	106	93	65	345	201	771	50	528	738	2252	74	7874	
March	362	164	23	62	50	27	22	22	24	103	50	211	9	182	225	556	67	2161	
April	174	101	13	34	28	13	11	10	8	42	33	111	4	96	116	348	15	1149	
May	797	472	56	112	98	45	66	40	32	156	145	502	25	291	597	1468	46	4948	
June	996	476	79	276	95	46	100	41	23	176	306	482	26	294	478	1286	56	6236	
July	1601	937	159	406	208	81	160	81	38	420	565	788	24	528	919	2320	70	6505	
August	1028	574	92	199	136	61	106	70	24	411	415	555	...	447	677	2303	46	7142	
Total	11930	5232	882	2413	1412	622	801	518	454	2614	2557	5966	603	3798	7696	16256	612	62866	

Total number of volumes sent out from the latter end of November, 1853, to the end of August, 1854—62,866.

COLLEGES.

University of Toronto.—Visitor, His Excellency the Governor-General. Chancellor, Hon. William Hume Blake. Vice-Chancellor, Rev. John McCaul, LL.D. Members of the Senate, Hon. William Hume Blake, Chancellor; Rev. John McCaul, LL.D., Vice-Chancellor; Hon. William Henry Draper; Hon. Adam Fergusson; Joseph Curran Morrison, M.P.P.; John Langton, M.A., M.P.P.; David Christie, Esq.; William A. Logan, Esq., F.R.S.; Fred. W. Cumberland, Esq.; James J. Hayes, Esq., M.D.; Rev. John Taylor, M.D.; Rev. Adam Lillie, D.D.; Hon. C. Widaer; Hon. Robert Baldwin; Rev. E. Ryerson, D.D.; The Principal of Queen's College for the time being, Rev. S. S. Nelles, M.A.; Very Rev. A. McDonnell; Rev. M. Willis, D.D.; F.W. Barron, M.A.; Rev. S. A. Gaudet; Jos. Workman, M.D. P. Freeland, Esq., Registrar. *University College.*—President, Rev. John McCaul, LL.D. Vice-President, Professors: Classics, Logic, Rhetoric and Belles Lettres, Rev. J. McCaul, LL.D.; Metaphysics and Moral Philosophy, Rev. James Beavan, D.D.; Chemistry and Experimental Philosophy, H. H. Croft, D.C.L.; Agriculture, George Buckland; Natural Philosophy, J. B. Cherriman, M.A.; History and English Literature, Daniel Wilson, LL.D.; Natural History, Rev. Wm. Hincks, F.L.S.; Mineralogy and Geology, E. J. Chapman; Modern Languages, J. Forneri, LL.D.; Lecturer on Oriental Literature, J. M. Hirschfelder; Librarian, Rev. Alex. Lorimer.

Upper Canada College.—Principal, F. W. Barron, M.A.; First Classical Master, Rev. H. Scadding, D.D.; Mathematical Master, Rev. O. Mynard, M.A.; Second Classical Master, Rev. W. Stennett, M.A.; Third Classical Master, W.

Wedd, M.A.; French Master, J. P. De la Haye; First English Master, M. Barrett, B.A.; Second English Master, C. Thompson; Commercial Master, J. Dodd; Geometrical Drawing Master, J. G. Howard; Ornamental Drawing Master, J. Bull; Singing Master, J. D. Humphreys; Instrumental Music Master, A. Maul. The Resident School House is in full and successful operation: three College Masters reside in the building, one of whom is always on duty. Each boy has a separate dormitory. Baths have been fitted up for their comfort. Terms.—Autumn, from end of Summer Vacation to November 30; Winter, from 1st December to end of February (including Christmas Vacation); Spring, from 1st of March to May 15th, or Wednesday nearest thereto; Summer, from 15th May to July 21st, or Wednesday nearest thereto.

Bursar's Department of the University and College at Toronto.—Bursar, David Buchan; Cashier or Chief Clerk, Allan Cameron; Book-keeper, M. Drummond; Assistant Clerk, James Nation; Messenger, William Morrow. Office, near the West end of Wellington Street.

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Sketches	Practical L.	Teachers'	Library.	Grand totals.
284	4	961		
4894	204	20961		
545	34	3129		
2252	74	7874		
556	17	2161		
2448	13	1149		
1468	40	4948		
1286	50	5236		
2820	70	9305		
2303	40	7142		
10256	612	62866		

1854—62,866.

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John Machar, D.D.; Rev. Hugh Urquhart, A.M.; Rev. Alexander Spence; Rev. John Barclay, A.M.; Rev. James George; Rev. James C. Muir; Rev. John McMorine, Rev. Alexander Mathieson, D.D.; Rev. John Cook, D.D.; Rev. Robert Nell; Rev. Robert McGill, D.D.; Hon. Archibald McLean; Hon. Thomas McKay; Hon. Peter McGill; James Hamilton, M.D.; Andrew Drummond, Esq., Treasurer; Hugh Allan, Esq.; John Cameron, Esq.; George Malloch, Esq.; John Mowat, Esq.; E. A. Harper, Esq.; John Thompson, Esq.; Joseph Bruce, Esq.; Hon. James Crooks; Hon. William Morris. Hon. John Hamilton, Chairman; *Medical Department*.—Professors: James Sampson, M.D., Clinical Medicine & Surgery; John Stewart, L.R.C.S. Ed., Anatomy and Physiology; John R. Dickson, M.D., Principles and Practice of Surgery; Horatio Yates, M.D., Theory and Practice of Medicine; William Hayward, M.R.C.S. L., Midwifery and Diseases of Women and Children. Prof. Williams on d-lyvers lectures on Chemistry, in connection with the course on Natural Philosophy.

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Bishop's College, Lennoxville.—Principal and Professor, Rev. Jasper Hume Nichols, M.A., late Michael Fellow of Queen's College, Oxford, Principal and Professor of Divinity; Rev. Isaac Holmuth, Professor of Hebrew and Rabbinical Literature; Edward Chapman, B.A., Coll's College, Cambridge, professor of Classical Literature; Henry Miles, M.A., Professor of Mathematics, &c.

College of Regina, Kingston.—President, Very Rev. Angus McDonnell, V. G.; Professor of Logic and Theology, Rev. John O'Neil; Professors, John O'Connor, Michael Clune, Philip McMahon, and H. Burns.

College of Bytown.—President, Rev. Aug. Gaudet; Professor, Rev. Nap. Mignault; Regents, Edward Pelinot, Arthur Mignault, Ben. Bernard, Thomas Mongan.

St. Michael's College, Church Street, Toronto.—The Fathers of the Order of St. Basil have charge of St. Michael's College, Church-Street, Toronto, for the education of Candidates for the Sanctuary, and of other youths in the Classics and higher branches.

Knob's College, Toronto.—Primarius Professor of Divinity &c. Rev. Michael Willis, D.D. Second Professor of Divinity, &c. Rev. George P. Young; Classical Tutor and Superintendent of Boarding House, Mr. Smith.

The Congregational Theological Institute.—Treasurer, Rev. J. Roaf; Secretaries, Patrick Freeland and Rev. Edward Elbbs; Committee, Rev. Professor Lillis, Rev. Arthur Wickson, A.M.; Revs. K. M. Fenwick, F. H. Marling, J. Byrne, with Peter Freeland, W. F. Meudell, John Nasmith, John Wightman, and Alexander Christie.

Divinity Hall of the United Presbyterian Synod.—The Divinity Hall meets in Toronto on the 1st Tuesday in August, and continues in session ten weeks. Professor, the Rev. Dr. John Taylor.

Quebec School of Medicine.—President, Dr. Morin; Lecturers, Midwifery, Dr. Painchaud; Practice of Physic, Dr. Sewell; Practice of Surgery, Dr. Fremont; Medical Jurisprudence, Dr. Barry; Materia Medica, Dr. Nault; Chemistry, Dr. Jackson; Anatomy and Physiology, Dr. Landry; Clinical Medicine, Dr. Painchaud; Clinical Surgery, Dr. Jackson; Botany, Dr. Bards; Secretary, P. M. Eardy. A six months' Course of Lectures is delivered at this School, commencing the first week of November, and terminating the last week of April.

The Montreal School of Medicine.—Anatomy, Dr. Munro; Practice of Medicine, Dr. Beaubien; Chemistry, Dr. Coderre; Midwifery, Dr. D'Orsonans; Institutes of Medicine, Dr. Peltier; Materia Medica, Dr. Boyer; Anatomy, Dr. Biland; Demonstrator, Dr. Regnier. A six months' course is delivered at this School, but in the French Language only.

The St. Lawrence School of Medicine.—Lecturers; Surgery, Dr. Macdonnell; Medicine, Dr. David; Midwifery, Dr. Arnold; Materia Medica, Dr. Fenwick; Chemistry, Dr. R. P. Howard; Anatomy, Dr. Jones; Ophthalmic and Aural Surgery, Mr. H. Howard; Institutes of Medicine, Dr. Gibb.

Department of Public Instruction for Upper Canada.—For the executive management of the Normal, Model, Grammar and Common Schools of Upper Canada, and general administration of the School Laws. Chief Superin-

tendant, Rev. Egerton Ryerson, D.D.; Deputy Superintendent and Chief Clerk, John George Hodgins; Second Clerk, Thomas Hodgins; Extra Clerks, A. J. Willmson, Samuel May, Alexander Marling and Thomas C. Seole; Education Office, Normal School Buildings, Toronto; Office hours, from 9 a.m. to 4 p.m.

General of Public Instruction.—Appointed to superintend the Normal and Model Schools; to make general regulations for the government of Grammar and Common Schools, and examination of Masters and Teachers, and to authorize text and library books for the schools and libraries under the control of the Educational Department; Chairman, Hon. Samuel Bealy Harrison, Q.C.; Members, Rev. Egerton Ryerson, D.D., Chief Superintendent; Right Rev. A. F. M. de Charbonnel, D.D., Roman Catholic Bishop of Toronto; Rev. H. J. Gosselt, D.D.; Joseph Curran Morrison, Q.C., M. P.P.; James Scott Howard; Rev. John Jennings and the Rev. Adam Lillis. Members for the purpose of the Grammar School Act, Rev. John McNeil, D.D., President of University College, and the Presidents of the Colleges affiliated with the University of Toronto; Recording Clerk, John George Hodgins.

Provincial Normal and Model Schools.—For the instruction and training of Teachers. Normal School, Thomas Jeffrey Robertson, Head Master; Rev. Wm. Grimston, A. B., Second Master; Archibald McCallum, Teacher of Book-Keeping; William Hind, Teacher of Drawing; Elton Tupper, Teacher of Vocal Music; Henry Goodwin, Teacher of Gymnastics and Calisthenics. **Model Schools.**—In which the Normal School students practice the art of teaching;

Archibald McCallum, Master of Boys' and Girls' Schools; Warren Rock, Second Master Boys' School; Dorcas Clark, First Assistant Girls' School; Catharine Johnson, Second Assistant Girls' School; Wm. Hind, Teacher of Drawing; Elton Tupper, Teacher of Vocal Music; Henry Goodwin, Teacher of Gymnastics and Calisthenics. The Sessions of the Normal School commence on the 15th May and 15th November of each year, and continue for five months each.

County Grammar Schools.—Each of these Schools is managed by a Board of Trustees, two members of which retire annually; their successors to be appointed by the County Council. There is one Grammar School in each County Town, which receives at least \$100 per annum; and where the funds will admit of it, others may be established in different parts of the County. Pupils attending these Schools are prepared for entrance to the University College. There were 61 Grammar Schools in Upper Canada, in 1853.

Common Schools.—Each township is divided into school sections of a suitable extent for one school; and in each of these sections three Trustees are elected to manage its school affairs. In cities, towns and Villages they are managed by a Board of School Trustees elected in each Ward or Municipality. There were 3127 Common Schools in Upper Canada in 1853.

The total number of educational institutions reported by the Department of Public Instruction as in operation in Upper Canada during 1853, was 3388, attended by 263,155 pupils, and expending £199,674 1s. 6d. in their support.

MEDICAL.

Medical Board, Upper Canada, Toronto.—President, The Hon. C. Widmer, M.D., and F.R.C.S., Eng.; Secretary, E. Clarke, M.R.C.S.E.; W. C. Gwynne, M.B.; W. Telfer, M.R.C.S.E.; W. Budge, K. H.; J. King, M.D.; W. Beaumont, M.R.C.S., Eng.; G. Herrick, M.D., W. H. Nicol, M.D.; John Rolph, M.R.C.S.E.; James Bovell, M.D.; Joseph Workman, M.D.; Edward M. Hodder, M.C. & M.R.C.S.E.; James Sampson, Kingston; Harmanus Smith, Ancaster; James Wilson, Perth; Basil R. Church, Merrickville; W. H. Branson, Prescott; Robert Edmondson, Brockville; W. H. Howard, Farmersville; Henry H. Wright, Toronto; W. Allison, Markham; Frederick McDonald, Cornwall; George H. Park, Hamilton; James Mitchell, Dundas; John Fraser, Pelham; Thomas T. Macklem, Chippawa; Ephraim Cook, Norwicht; John B. Goussé, Simcoe; George Southwick, St. Thomas; Wm. T. Atkins, Toronto, and Thomas D. Morrison, Toronto, Physicians and Surgeons. The Medical Board is governed by the Upper Canada Acts of 1818, 50 Geo. 3, Cap. 13; of 1819, 50 Geo. 3, Cap. 2; of 1827, 8 Geo. 4, Cap. 3; and the Act of the Province of Canada, 4 & 5 Vic, Cap. 41, passed in 1811. The Members of the Board are appointed from time to time by the Governor. The duties of the Board are to examine applicants for license to practise Physic, Surgery and Midwifery, or either, within the Province; and upon their certificate in favour of the candidates, the Governor may grant such license. The sittings of the Board are at Toronto on the first Monday in January, April, July, and October, in each year. Parties exhibiting diplomas or licenses from any University in Her Majesty's dominions, or from the Royal College of Physicians or of Surgeons in London, as Physicians or Surgeons, or Commissions or Warrants as Physicians or Surgeons, in Her Majesty's Naval or Military Services, and making affidavit of their identity, before a County Judge in Upper Canada, may receive license from the Governor, without examination by the Board. Persons who have been appointed to the Medical Board, and persons actually employed as Physicians or Surgeons in Her Majesty's Forces, may practise here without license. Females may practise Midwifery without license. There is a general prohibition against practising without license (with the exceptions named), and parties offending are liable to prosecution and punishment for misdemeanor. Medical men, authorised to practise in Upper or Lower Canada, may practise throughout the whole of the Province of Canada. Vide 4 & 5 Vic, Cap. 41.

Provincial Lunatic Asylum, Toronto.—Two and a half miles West from the City Hall, on Queen Street. Property vested in the Crown. Government appoint Medical Superintendent and Barsar, and four visiting commissioners quarterly, two of whom are residents of the city, who frame by-laws for its government, thoroughly examine the

Asylum, and report to the Governor-General. The building was designed to accommodate, when the wings are erected, 250 patients; there are at present 370 in it. The Institution is open to the public between the hours of 12 noon and 3 p.m. every day, Saturdays and Sundays excepted, by application to the Medical Superintendent at the Asylum. The admission of patients is regulated by the Act, 16 Vic, chap. 188, which requires that the patient be examined by three licensed medical practitioners, verified by the Mayor or Collector, who certify to the insanity. From the overcrowded state of the house, admissions are at present made as vacancies occur, according to priority of application. Idiots and persons afflicted with paralysis are inadmissible. Visiting Commissioners, G. S. Tiffany, Chairman, E. F. Whittemore, W. L. Perrin, and John Simpson, Esquires. Officers of the Institution; Medical Superintendent, Joseph Workman, M.D.; Barsar, James McKirdy; Steward, Colin S. Eastwood; Matron, Mary Ann Parkes.

Toronto General Hospital.—Incorporated 1847.

Trustees:—

Hon. C. Widmer, M.D. } Appointed by Government.
James Beatty, Esq. }
John Doel, Esq. }
By Corporation - - - - - J. G. Hawes, Esq.
By Board of Trade - - - - - Thos. Clarkson, Esq.

Consulting Physician and Surgeon, Hon. C. Widmer, M. D. Attending Physicians and Surgeons, Walter Telfer, M. R.C.S., Edin.; Geo. Herrick, M.D.; W. R. Beaumont, M.D., F.R.C.S., Eng.; E. M. Hodder, M.D., M.R.C.S., Eng.; James Bovell, M.D., L.R.C.P., London; W. F. Atkins, M.D.; H. H. Wright, M.D. Edward Clarke, M.R.C.S., Eng., Resident Surgeon. J. W. Brent, Secretary and Treasurer. Hours of attendance, 12 o'clock, noon, daily, during the Winter Session. Clinical Lectures are given twice a week, on Medical and Surgical cases in the Hospital; Medical on Wednesday at 1 o'clock, by Professor Bovell; Surgical on Saturday at 1 o'clock, by Professor Hodder. Visitors are permitted to see their friends every day from 3 to 5 p.m., except Saturday and Sunday.

Kingston General Hospital.—Board of Management; Kenneth Mackenzie, County Judge; D. Rollin, Warden; T. A. Corbett, Sheriff; the Mayor and three Aldermen of the City; Medical Attendant, Dr. Harvey; Secretary, M. Flanagan.

House of Industry, Toronto.—Medical Attendants, Drs. Badgley, Bovell and Bethune.

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JUDICIARY—LOWER CANADA.

Court of Queen's Bench.—Chief Justice, Hon. Sir L. H. LaFontaine, Barr.; Puisne Judges, Hon. J. R. Rolland, Phil. Panet, T. C. Aylmer. Appeals—Quebec, 7th to 18th January, and 1st to 12th July. Montreal, 1st to 12th March, and 1st to 12th October. Crown Side, Terms—Quebec, 20th January and 14th July. Montreal, 14th March and 14th October. Three Rivers, 2nd February and 11th September. Sherbrooke, 12th February and 1st September. Kamouraska, 5th April and 5th November. Aylmer, 10th June and 10th Dec. Gaspe: The Circuit Judges exercise criminal jurisdiction in Term.

Superior Court.—Chief Justice, Hon. F. Bowen; Puisne Judges, Hon. John H. Duval, Wm. C. Meredith, and R. E. Caron. Quebec, Hon. C. D. Bay, James Smith, C. Mondelot, and Geo. VanKliefen. Montreal: Hon. D. Mondelot, Three Rivers: Hon. E. Short, Sherbrooke, Terms—Montreal, from 17th to 27th February, March, April, May, June, September, October, November, and December. Quebec, from 1st to 5th February, March, April, May, September, October, and December, and 20th to 25th June and Nov. Three Rivers, 12th to 25th February, 1st to 11th June, and 1st to 14th November. Sherbrooke, 20th to 31st January, 10th to 25th July. Kamouraska, 29th March to 21th April, and 26th October to 4th November. Aylmer, 1st to 10th February, and 1st to 10th July. Perce, 21st to 30th

August. New Carlisle, 4th to 14th September. The sittings at Perce and New Carlisle, in the District of Gaspe form only one Term. The Governor may authorize the holding of another term annually in this District.

Circuit Courts.—Judges—Wm. Power Esq., Quebec; H. Guy, J. S. McFort, and J. C. Brumau, Esqrs., Montreal; J. G. Thompson, and J. E. DelBois, Esqrs., Gaspe; J. A. Taschereau, Esq., Kamouraska; and W. K. McLeod, Esq., Aylmer.

Quarter Sessions.—Quebec, Montreal, Three Rivers—commence severally, 8th January, 1st April, 4th July, and 14th October. Sherbrooke—commence 8th Jan, 8th April, 8th July and 8th of October. Kamouraska, from 7th to 15th January, and 15th to 21th July. Aylmer, 5th April and 5th October. Gaspe—At Perce and at the Basin, and at New Carlisle and Carleton, the three days succeeding the sittings of the Circuit Court at these places respectively.

Two Admiralty Courts.—Judges, Hon. H. Buek, Quebec; Registrar, Charles Drouet; Marshal, J. B. Parkin.

Commissioners' Courts held monthly in the country Parishes, for determining cases by a summary way, not exceeding 50 currency each in amount.

Judicial Officers, &c.

Chief of Appeals, J. C. BEAUVIE.

District.	Prothonotaries and Clerks of Circuit Courts.	Clerks of Courts.	Sheriffs.	Clerks of Peace.	Coroners.
Quebec	(E. Burroughs and L. Fisot, S. W. Monk, W. C. H. Collin and L. J. A. Papineau.	James Green	W. S. Sewell	(F. X. Perrault and P. Doucet, A. M. Delisle and W. H. Basbault.	(G. A. Panet and J. A. Panet, Joseph Jones and Charles Goursel.
Montreal	(E. Bernard and V. E. Verina, W. Bell and John Short, Philippe Chabon, Chas. Dery, A. J. Dumoulin, J. J. Wilkie and G. F. Tremblay.	A. M. Delisle	John Boston	(W. Bell and John Short, Charles Dery, John Wilkie and G. F. Tremblay.	(Joseph Jones and Charles Goursel, V. Guillet, C. A. G. de Turannecour, D. S. Magnisend, P. L. Gauvreau, W. Tilly and J. G. Bell.
Three Rivers	(E. Bernard and V. E. Verina, W. Bell and John Short, Philippe Chabon, Chas. Dery, A. J. Dumoulin, J. J. Wilkie and G. F. Tremblay.	E. Bernard	L. Ogden	H. B. Hughes	V. Guillet.
St. Francis	(E. Bernard and V. E. Verina, W. Bell and John Short, Philippe Chabon, Chas. Dery, A. J. Dumoulin, J. J. Wilkie and G. F. Tremblay.	(W. Bell and John Short, Charles Dery, John Wilkie and G. F. Tremblay.	F. G. Bowen	(W. Bell and John Short, Charles Dery, John Wilkie and G. F. Tremblay.	(C. A. G. de Turannecour, D. S. Magnisend, P. L. Gauvreau, W. Tilly and J. G. Bell.
Kamouraska	(E. Bernard and V. E. Verina, W. Bell and John Short, Philippe Chabon, Chas. Dery, A. J. Dumoulin, J. J. Wilkie and G. F. Tremblay.	Charles Dery	Wm. Martheau	Charles Dery, John Wilkie and G. F. Tremblay.	(D. S. Magnisend, P. L. Gauvreau, W. Tilly and J. G. Bell.
Gaspe	(E. Bernard and V. E. Verina, W. Bell and John Short, Philippe Chabon, Chas. Dery, A. J. Dumoulin, J. J. Wilkie and G. F. Tremblay.	(J. Wilkie and G. F. Tremblay.	Martin Sheppard	(W. Tilly and J. G. Bell.	(W. Tilly and J. G. Bell.
Ottawa	(E. Bernard and V. E. Verina, W. Bell and John Short, Philippe Chabon, Chas. Dery, A. J. Dumoulin, J. J. Wilkie and G. F. Tremblay.	A. Lafontaine	L. M. Centlee	A. Lafontaine	A. Larue.

DISTRICT OF QUEBEC.

Bellevue.—P. Fargues, St. Michael. *Dorchester*.—Division No. 1.—R. A. Fortier, Steel Mills. Division No. 2.—F. M. Guay, St. Joseph de la Pointe-Levy. *Islet*.—A. D. Lapine, L'Islet. *Lobbinere*.—René S. Noel, Ste. Croix. *Montmorency*.—Division No. 1.—L. C. Lefrançois, Chateau Richer; Division No. 2.—P. Gosselin, St. Jean, Isle d'Orleans. *Megantic*.—Division No. 1.—John R. Lambly, Leeds. Division No. 2.—Jean P. Proulx, Tring. *Port Neuf*.—R. Lefevre, Cap-Sainte. *Quebec*.—S. C. Montzambert, Quebec. *Saguenay*.—Division No. 1.—C. Duberger, Eboulements. Division No. 2.—F. X. Latere, Chicoutimi.

DISTRICT OF THREE RIVERS.

Champlain.—E. Filteau, Ste Genevieve de Batiscan. *Drummond*.—Edmund Cox, Drummondville. *St. Maurice*.—G. Duval, Three Rivers. *Nicolet*.—Joseph Jutras, Beaucour. *Yamaska*.—J. O. Arcand, St. Antoine de la Riv.

DISTRICT OF MONTREAL.

Beauharnois.—D. K. Lighthall, Durham, Ormstown. *Berthier*.—J. B. Chalut, Berthier on haut. *Chambly*.—Thomas Austin, Chambly. *Huntington*.—Division No. 1.—W. F. Hawley, Laprairie. Division No. 2.—P. Gosselin, Isle d'Orleans.

Estimor.—L. Archaubault, L'Assomption. *Montreal*.—G. H. Ryland, Montreal. *Nicolet*.—R. Dickinson, Fredrichsburg. *Richelieu*.—P. Chevallier, St. Ours. *Rouville*.—F. F. Z. Hamel, St. Athanas. *St. Hyacinthe*.—H. R. Germain, St. Hyacinthe. *Shefford*.—Hiram S. Foster, Shefford. *Two Mountains*.—Daniel DeHertel, L'Isle Bizard. *Terrebonne*.—Joseph Lachaine, Ste Therese de Blainville. *Verdun*.—H. Ste Charlebois, Van-trouil. *Vercheres*.—P. Menard, Vercheres.

DISTRICT OF ST. FRANCIS.

Sherbrooke.—William Ritchie, Sherbrooke. *Stanstead*.—C. A. Richardson, Stanstead Plains.

DISTRICT OF GASPE.

Bouvetville.—Jos. Guillaume le Bel, New Carlisle. *Gaspe*.—Peter Winter, Perce.

DISTRICT OF KAMOURASKA.

Kamouraska.—J. G. Tache, St. Andrews de Kamouraska. *Rimouski*.—Division No. 1.—J. Heath, Isle Verte. Division No. 2.—Lucis F. Giron, Rimouski.

DISTRICT OF OTTAWA.

Ottawa.—J. F. Taylor, Aylmer.

JUDICIARY—UPPER CANADA.

Court of Appeal.—Judges, the Judges of the Superior Courts of Law and Equity. Clerk, the Registrar of the Court of Chancery, Toronto.

Court of Queen's Bench.—Chief Justice, Hon. Sir J. R. Robinson, Bart. Puisne Judges, Hon. W. H. Draper and R. E. Burns. Clerk of the Crown and Pleas, C. C. Small. Reporter, J. Lukin Robinson, Toronto.

Court of Chancery.—Chancellor, Hon. W. H. Blake. Vice-Chancellors, Hons. J. C. P. Esten and J. G. Spragge. Master, A. N. Buell. Registrar and Reporter, A. Grant. Long vacation from 1st July to 21st August.

Court of Common Pleas.—Chief Justice, Hon. J. R. Macaulay. Puisne Judges, Hons. A. McLenn and W. B. Richards. Clerk of the Crown and Pleas, L. Heydon. Reporter, E. C. Jones, Toronto.

Clerks of Assize.—W. A. Campbell, Toronto: the Deputy Clerks of the Crown are ex officio Clerks of Assize and Marshals in their respective counties.

Deputy Clerks of the Crown.—The Clerks of the County Courts will be ex officio Deputy Clerks of the Crown and Pleas of their several counties as the present incumbents vacate by death or otherwise.

Law Terms.—Hilary begins first Monday in February, and ends Saturday of the ensuing week; Easter begins 1st Monday in June, and ends Saturday of the ensuing week; Trinity begins Monday in August, and ends on the Saturday of the ensuing week; Michaelmas begins third Monday in November and ends Saturday of the ensuing week. Long vacation commences 1st July, and ends 21st August.

Circuits.—The Circuits are held twice a year in each County, between Hilary and Easter Terms, and between Trinity and Michaelmas Terms, except in the County of York, where there are three in each year, commencing on the first Thursday in January, the first Monday in May, and the second Monday in October, in each year. There are six Circuits, as follows, viz.:—*The Eastern:* Perth, Cornwall, Bytown, L'Orignal, Brockville. *Home:* Niagara, Whithy, Hamilton, Cayuga, Barre, Sydenham. *Western:*

St. Thomas, Sandwich, Sarnia, Chatham, London, Goderich. *Middle:* Peterborough, Cobourg, Belleville, Pleton, Kingston. *Oxford:* Simcoe, Brantford, Guelph, Berlin, Stratford, Woodstock. *Toronto:* Toronto.

Heir and Devisee Court.—Commissioners, the Judges of the Superior Courts, and such other persons as may be appointed by commission under the Great Seal. Their duties are to determine claims to lands in Upper Canada, for which no patent has issued from the Crown in favour of the proper claimants, whether as heirs, devisees or assignees. Sittings, at Toronto first Monday in January and July in each year. Clerk to the Commissioners, W. H. Lee, Executive Council Office, Quebec.

Court of Probate.—Official Principal, S. Brough, Toronto. Registrar, C. Fitzgibbon, Toronto.

County Courts.—Presided over by resident Judge in each county; these Courts possess equity powers.

Insolvent Debtors' Court.—The County Judge in each county presides.

Quarter Sessions.—Chairman, the County Judge in each county, who, with one or more Justices of the Peace, holds a Court of Quarter Sessions in his county four times a year for trials by jury in cases of larceny, misdemeanor and other offences. Sittings, first Tuesday in January, April and July, and the third Tuesday in November, with power of adjournment.

Recorder's Courts.—In the Cities of Toronto, Hamilton, and Kingston, the Recorders' Court takes the place of the County Sessions, the Justices for Counties having no jurisdiction in the Cities—the care of which is confided to the Recorder, Mayor, Aldermen and Police Magistrate of each. The City Sessions are held on the first Monday in January, April, July and November.

Division Courts.—For the summary disposal of cases by the County Judges. Courts are held once in two months in each division, or oftener, at the discretion of the Judge. The divisions are established by the Courts of Quarter Sessions. The jurisdiction of these Courts has been enlarged by the Act of 1853.

THE ANATOMY OF MAN'S BODY,

As governed by the twelve constellations, according to ancient astrology.

Head and Face ♀

Arms.

♄

Heart.

♌

Reins.

♎

Thighs.

♋

Legs.

♊



Neck.

♄

Breast.

♁

Bowels.

♃

Secrets.

♍

Knees.

♆

Feet ♂

To know where the sign is, first find the day of the month in the calendar page, and against the day in the last column you have the sign or place of the moon; then find the sign here, and it will give you the part of the body it is supposed to govern.

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Seminari
J. Coate,
Arraud, I.
A. Nercau,
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Loulou, P.
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Episcopi
vinctal, J.
Rouisse, J.

College
J. J. Pala

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S. Paquet
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ERRATA ET ADDENDA.

R. C. Clergy, Diocese of Montreal.

The following corrections in the list of R. C. Clergy of the Diocese of Montreal, page 51, were received too late to be made in their proper place:—

Seminaire de Montreal—P. Blandin, G. Superior; J. Comte, Procureur; J. H. St. Pierre, R. Larro, J. V. Arraud, L. Rogourd, L. Villeneuve, B. Granjon, J. Toupin, A. Neream, E. Fleard, M. C. L. Bonissant, A. L. Barbarin, A. Mercier, Econ., L. Pelissier, J. J. Connoly, H. Prevost, cure d'office, V. Rousselot, F. Daniel, J. J. Perrault, J. F. Lacom, C. Desmaures, C. J. Burdy, C. B. Tambareau, C. Lenoir, P. Dowd, P. McCulla, M. O'Brien, P. Murphy, W. Hall y.

Eglise de St. Pierre—Las RR. PP. Oblats. Santoni, Provincial, J. B. Honorat, Leonard, Lagler, Garin, Rouge, Rouisse, Antoine, Roger.

College de Montreal—P. P. Denis, Directeur, L. L. Gillion, J. J. Palatin, J. De la Vigne, B. Larue, P. Roussou.

College des Jesuites—RR. PP. Martin, A. Havoquez, A. Lareher, Vignon, Braun, Ouellet, Vetter, O'Reilly, Desjardins, Horson, Cleatory, Michel. Noviciat des Jesuites au Sault au Recollet—P. P. Sacher.

Hospice St. Joseph, a Longue Pointe—J. M. Bellenger, O. S. Paquet, P. Mercuro.

College Mission—S. Theberge, Directeur.

ISLE DE MONTREAL.

St. Laurent—M. M. St. Germain, Verriard, vicaire. Ste. Anne, J. Lasnier. Pointe-Claire—E. C. Fabre. Ile Bizard—Quevillon.

ISLE JESUS.

St. Vincent—L. Plette, vicaire.

COTE DE NORD.

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Bible Christian Church.

The following corrections in the published list of the "Bible Christian Church in Upper Canada" were received too late to be made in their proper place, page 50;—The next annual meeting to be held at Columbus, Whitty to commence the first Wednesday in June, 1856. Page 57 read—Cobourg—J. H. Eynon, J. Pinch, J. Edwards, superannuated; J. Langdon, superannuated. Tyrerburg—W. Hooper, R. Miller. Haddington—T. Green, chairman. Seymour—A. Doble. Hungerford—Henry Stevens.

BOWMANVILLE DISTRICT.

Darlington—P. Robbins, H. Ebbott, J. Hughes, G. H. Craft, superannuated. Mariposa—A. Morris, J. Boynton. Pickering—J. B. Tapp, chairman; J. Hodgson.

HERON DISTRICT.

Mitchell—J. Williams. Eborac—R. Hurley, chairman. Clinton—J. Dix. London—R. L. Tucker.

The following Table was crowded out of its proper place, to make room for the Mathematical Acknowledgements, p. 4.

Table of Semi-Diurnal Arcs, Calculated for the Principal Places in British North America.

Table with columns for Declination (Decl.) and cities: Toronto, Kingston, Halifax, Montreal, Fredericton, and Quebec. Each city has sub-columns for North and South arcs, with values in hours, minutes, and seconds.

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At Embro, County of Oxford, on 3rd Wednesday in Oct. At Woodstock, County of Oxford, on 8th Thursday in Oct.

[We trust that the Presidents of all Agricultural Societies in Canada will furnish us with similar information for our next year's issue.]

INDEX.

CALENDAR AND CELESTIAL PHENOMENA.	
Astrological signs	80
Astronomical notes	3
" "	6 to 28
Calendar (Monthly)	7 to 29
Chronological Cycles	2
Eclipses	4
" of Jupiter's Satellites	6 to 29
Ephemeris of the Planets, &c.	7 to 29
Evening Stars	2
Explanation of articles in Calendar	3
" " Signs	2
Fixed and Moveable Feasts	2
Mathematical Acknowledgements	4
" Problems	6 to 29
Meteorological Observations	6 to 29
Morning Stars	2
Observatory, Provincial	81
Remarkable Events	6 to 28
Seasons of 1855	2
Star Table	3
Sun's Rising and Setting	2
Table of Semi-Diurnal Area	81
To ascertain length of Day & Night	2
To find the true time	2
GREAT BRITAIN AND IRELAND.	
The Royal Family	35
Her Majesty's Ministers	25
CANADA.	
Banks	48
Bank Agencies	48
" Holidays	48
Foreign Agencies	48
Canada Statistics	30
Lands & Pop. in U. S. & U. C.	31
Of the Pop. of the U. States	31
" Value of Lands	32
Table showing Increase in Pop.	33
in Upper Canada	34
Canals	73
Burlington Bay Canal	74
Provincial Canals	73
Rates of Toll	73
Standard	74
Way Rates	73
Cattle Fairs	81
Clergy of Canada	49
Baptist Denomination	67
Bible Christian Church	69
Do. do. corrected list	81
Canada Christian Conference	59
Congregational Denomination	59
Methodist Episcopal Church	58
" New Connexion	58
Presbyterian Church	52
" " in Canada	53
Primitive Methodist Church	56
Roman Catholic Church	50
Do. do. corrected list	81
United Church of Eng. & Irel'd	49
" Presbyterian Synod	53
Wesleyan Methodist Church	54
Collectors of Custom	57
Currency Act	37
Educational	74
Bishop's College, Lennoxville	77
College of Bytown	77
" " Regiopolis	77
Common Schools	78
Divinity Hall	77
Educational progress in U. C.	74
Do. do. general abstract	75
Do. do. books issued	76
Grammar Schools (county)	78
Knox's College	77
Normal and Model Schools	78
Public Instruction Department	77
" " Council of	78
School of Medicine, Montreal	77
" " Quebec	77
" " St. Lawrence	77
St. Michael's College	77
University College	76
" " Burer's dep	76

University McGill College	77
" Queen's College	76
" Toronto	76
" Trinity College	77
" Victoria College	76
Upper Canada College	77
Educational Progress in U. Canada	74
Errata et Addenda	81
Bible Christian Church	81
Cattle Fairs	81
Observatory, Provincial	81
R. C. Clergy, Diocese du Mon.	81
Table of Semi-Diurnal Area	81
Industry, House of	73
Judiciary—Lower Canada	70
Courts	79
Judicial Officers	79
Judiciary—Upper Canada	80
Clerks	80
Circuit of Assize	80
" Deputy of the Crown	80
Courts	80
Law Terms	80
Quarter Sessions	80
Lands and Pop. in U. S. and U. C.	31
Legislative Assembly	36
" Council	36
Lunatic Asylum, Provincial	78
Medical	78
General Hospital, Kingston	78
" " Toronto	78
House of Industry	78
Lunatic Asylum	78
Medical Board	78
Municipalities, Canada West	58
Addington	59
Brant	58
Bruce	61
Carlton	58
Dundas	70
Durham	66
Elgin	59
Essex	59
Frontenac	50
Glengary	70
Grenville	64
Grey	60
Haldimand	61
Halton	71
Hastings	61
Huron	61
Kent	62
Lambton	63
Lanark	63
Leeds	64
Lennox	60
Lincoln	65
Middlesex	66
Norfolk	66
Northumberland	66
Ontario	67
Oxford	67
Peel	72
Perth	67
Peterborough	68
Prescott	68
Prince Edward	69
Renfrew	63
Russell	68
Simcoe	69
Stormont	70
Victoria	68
Waterloo	71
Welland	65
Wellington	71
Wentworth	71
York	72
Observatory, Provincial	80
Post Office Department	40
Canadian Mail Line to Eng'd	40
English Mail	40
General Post Office	36
Post Offices, List of, &c.	40
Postage charge on Letters, &c.	40

Province of Canada	35
Banks	48
Board of Exam. of P. L. Survey	35
Canals	73
Clergy	49
Crown Lands' Department	35
" Law Department	35
Currency Act	37
Customs	35
" Collectors of	37
Executive Council	35
Governor General	35
Indian Department	36
Inspector General's Office	38
Jesuits' Estates & Cro'n Domain	38
Judiciary	79
Legislative Assembly	36
" Council	36
Medical	78
Militia Department	36
Municipalities	58
Post Office Department	40
" (General)	36
Provincial Registrar's Office	36
" Secretary's Office	36
Public Accounts for 1853	41
" Works Department	35
Receiver General's Office	35
Reciprocity Treaty	39
Revenue and Expenditure	41
Survey Departments	35
Trade and Navigation Returns	43
Public Accounts for 1853	41
Bank Issues	42
Clergy Reserves	42
Debentures Redeemed	43
Gross Revenue	41
Interest	42
Jesuits' Estates	42
Licenses	42
Montreal Court House	42
Municipal Debon. (Consolid.)	43
Public Debt	43
" Works	42
Sinking Fund	43
Territorial	42
Reciprocity Treaty	39
Revenue and Expenditure	41
Table of Increase in Popul. U. C.	34
Trade and Navigation Returns	43
Canals	43
Distilleries	45
Exports	44
Imports	44
Shipping	45
Value of Lands, on the	82
NEW BRUNSWICK.	
General Post Office	47
Government Offices	46
Post Office Department	40
NEWFOUNDLAND.	
Assembly, House of	47
Educational	47
Executive and Legislative Councils	47
Government Offices	47
Post Office Department	47
NOVA SCOTIA.	
Assembly, House of	45
Educational	45
Executive & Legislative Councils	45
Government Offices	45
Judiciary	45
Post Office Department	45
Railway Commissioners	45
PRINCE EDWARD'S ISLAND.	
Assembly, House of	47
Executive & Legislative Councils	47
Post Office Department	47
UNITED STATES.	
Of the Population of the U. States	31
On the Territory of the U. S.	39

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40	1 9 2	2 18 4		3	2 7 6	1 4 4	0 12 4
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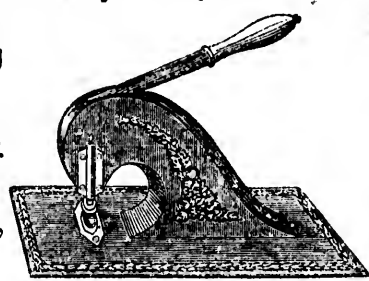
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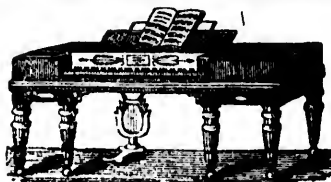
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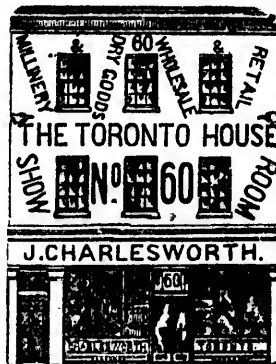
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