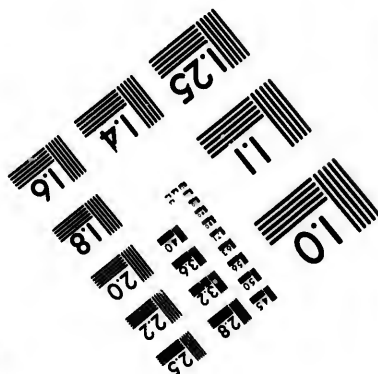
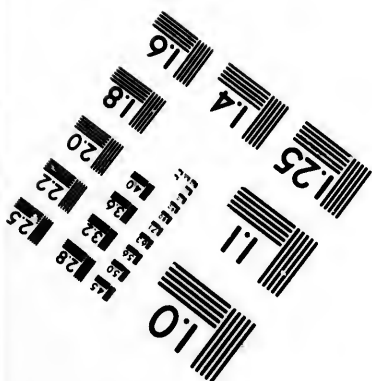
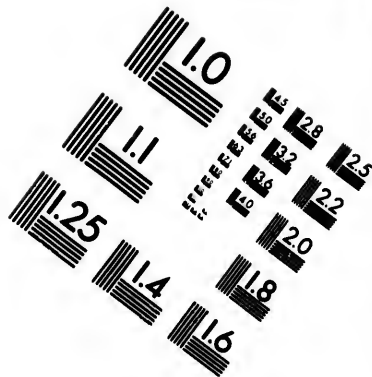




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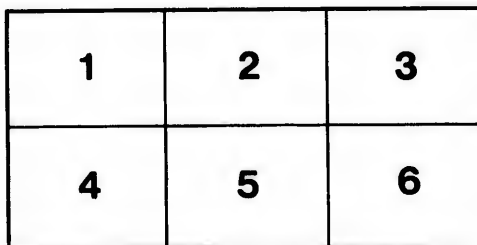
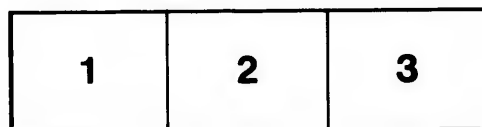
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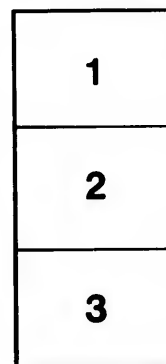
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CHRONOLOGICAL CYCLES, &c., 1856.

Dominical Letter	F E
Lunar Cycle or Golden Number	14
Jewish Lunar Cycle	11
Epact (Moon's Age, January 1st)	23
Solar Cycle	17
Roman Indiction	14
Dionysian Period	185
Julian Period	6569
The year 5617 of the Jewish Era com. Sept. 30th	1856
The year 1273 of the Mahom. Era com. Sept. 1st	1856
Year of the World (Usher)	5860
Year of the World (Jews)	5616
Year of the World (Septuagint)	7364
Year A. U. C. (Building of Rome)	2629
Year of the Olympiads	2632
Year of the Era of Nabonassar	2003
The 20th of Her Majesty's Reign begins June 20th	1856
The 31st of the Indep. of the U. S. begins July 4th	1856

FIXED AND MOVEABLE FEASTS, &c., 1856.

Septuagesima Sunday	Jan'y 20
Quinquagesima Sunday	Feb'y 3
Ash Wednesday, or First of Lent	Feb'y 6
Quadragesima Sunday	Feb'y 10
First Sunday in Lent	Feb'y 24
Mid Lent Sunday	Mar. 16
Palm Sunday	Mar. 21
Good Friday	Mar. 23
EASTER SUNDAY	Mar. 30
Low Sunday	Apr. 27
Ascension Sunday	May 1
Ascension Day—Holy Thursday	May 11
Whit Sunday—Pentecost	May 18
Trinity Sunday	May 22
Corpus Christi	May 29
Midday of the Year	July 1
Advent Sunday	Nov. 30
Birth of Queen Victoria	May 24
Birth of Prince Albert	Aug. 26

THE SEASONS, 1856.—TORONTO.

	D.	H.	M.
Winter Solstice (1855) December 22	3	31	mor.
Vernal Equinox, March 20, 1856	4	32	mor.
Summer Solstice, June 21	1	21	mor.
Autumnal Equinox, September 22	3	36	even.
Winter Solstice, December 21	9	22	mor.
Sun in Winter Signs	89	1	1 mor.

MORNING STARS, 1856.

Venus until July 19th, 1856.
Mars until April 1st, 1856.
Jupiter from March 5 to Sept. 26.
Saturn from June 24 to Dec. 31.

THE SEASONS 1856.—TORONTO.

	D.	H.	M.
Sun in Spring Signs	92	20	49
Sun in Summer Signs	93	14	15
Sun in Autumnal Signs	89	17	46
Tropical Year	365	5	51
Sun North of Equator	186	11	4
Sun South of Equator	178	18	47

EVENING STARS, 1856.

Venus from July 19th to May 10th, 1857.
Mars from April 1st to June 7th, 1857.
Jupiter until March 5th, and from Sept. 26th, to April 11th, 1857.
Saturn until June 24th, 1856.

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 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. 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 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.

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. ☐ 00 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 16½ 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 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 34 seconds past 12, 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 1856.

The Moon will run lowest this year on October 6th, to the 3rd degree of Sagittarius, having a declination of 28° 36' 1.2" south. It will run highest October 18th, to the 3rd degree of Gemini, having a declination of 28° 35' 32.2" north.

This declin Moon's Asc 9, is 23° 27' Distance will be north of 7 d. Mercury in the east unfavourable N. B.—The equinox, 1

The num of the plane 1856.

January February March 15. April 15. May 15. June 15.

To ascertain left-hand column RISING of a SETTING of a apparition, a diurnal arc after midnigh the next day.

Stars.

Almaach Alpha Mira Menkar Algol Algenib Alcyon Abdaran Capella Rigel El Nath Bellatrix Mifaka Thet Petalueso Sirius Castor

These Pages on the latitude Provinces and The Sun's R of 36 min. 6.86 The Moon's Moon's PLAC the Zodiac, to signs.

MOON'S AGE. MOON SOUTH same for all po TWILIGHT—T ond at evening THE MOON'S of 0 dg., 90 dg. THE COLUMN makes its tran ordinary use in The time of preceding Uppe Passage of the of some service Star, for sever

This declination is a *maximum*, by which the Moon can run north or south farther than the sun can. Longitude of Moon's Ascending Node, Jan. 1, is 30° 11.1', and December 31, it will be 10° 51' 4". Apparent Obliquity of Ecliptic July 9, is 23° 27' 36.11".

Distance of Sun, July 2nd, 96702364 miles. Its mean distance March 31, and Oct. 3rd is 96103500 miles. The Sun will be north of the equator this tropical year 180 days 11 h. 4 m., and south of it 178 d. 18 h. 47 m., shewing a difference of 7 d. 16 h. 17 m., caused by the slower motion of the earth when in or near the aphelion.

Mercury will be brightest, and visible in the west soon after sunset, about January 29, May 23, and Sept. 19. Also in the east just before sunrise about March 18, July 10, and November 6th. The first and last dates quite unfavourable.

N. B.—The constellation Places is the *first* sign in the zodiac. Arles was first *once*, but is now 30° east of the equinox. In consequence of not knowing this, some think the Almanac was wrong.

TABLE,

Showing the Illuminated Portion of the Disks of Venus and Mars.

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

1856.	Venus.	Mars.	1856.	Venus.	Mars.
January 15.	0 .056	0 .907	July 15.	1 .000	0 .870
February 14.	0 .759	0 .935	August 15.	0 .992	0 .872
March 15.	0 .838	0 .985	September 15.	0 .964	0 .884
April 15.	0 .903	0 .991	October 15.	0 .922	0 .900
May 15.	0 .952	0 .983	November 15.	0 .864	0 .919
June 15.	0 .986	0 .886	December 15.	0 .792	0 .938

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' 35" 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 Me R & S	Stars.	Constellation	In Me R & S	Stars.	Constellation	In Me R & S
		h. m. h. m.			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 23	Pollux	Gemini	6 29 8 3	Zubenelg	Libra	14 1 5 25
Mira	The Whale	1 56 4 40	Aenubens	Cancer	6 51 2 31	Alphacca	N. Crown	14 20 7 56
Menkar	The Whale	1 48 6 13	Nos	The Ship	7 43 6 48	Antares	Scorpio	15 12 4 8
Algol	Perseus	1 52 9 30	Alphard	Hydra	8 13 5 28	Alpha	Hercules	15 59 6 56
Algenib	Perseus	2 7	Regulus	Leo	8 53 6 48	Alpha	Ophiuchus	16 19 6 48
Aleyono	7 Stars	2 32 7 38	{ Merak }	Big Dipper	9 45	Vega	Lyra	17 23 9 18
Aldebaran	Taurus	3 21 7 3	{ Dubhe }	Big Dipper	9 47	Beta	Lyra	17 30 8 33
Capella	Auriga	3 59 11 16	Danebola	Leo	10 34 7 0	Altair	Aquila	18 34 6 31
Rigel	Orion	4 1 5 27	Phad.	Big Dipper	10 38	Deneb	Cygnus	19 27 10 43
El Nath	Taurus	4 10 8 3	Algorab	The Crow	11 14 4 57	Fomalhaut	S Fish	21 40 5 43
Bellatrix	Orion	4 10 6 23	Alhota	Big Dipper	11 39	Scheat	Pegasus	21 47 7 57
Mintaka	Orion	4 18 5 58	Spica	Virgo	12 9 5 19	Markab	Pegasus	21 48 6 53
Phaet	The Dove	4 28 3 18	Mizar	Big Dipper	12 10	Vr. Equinox	Pisces	22 50 5 59
Petalgueno	Orion	4 40 6 27	Benetnasch	Big Dipper	12 54	Algenib	Pegasus	22 56 6 56
Sirius	Canis Minor	5 32 4 54	Arcturus	Bootes	13 1 7 20	Schedir	Cassiopeia	23 22
Castor	Gemini	6 18 8 27	Mirac	Bootes	13 30 7 59	Mirach	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 and 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 min. 6.86 sec., of arc, and is also suited to the *upper limb*. Its declination is for mean noon.

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 8 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 11 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 3.35 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 $1^{\circ} 28'$, 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.

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

Eclipses for the Year 1856.

There will be two Eclipses of the sun, and two of the Moon this year as follows:—

I.—A Total Eclipse of the Sun, April 5th, invisible.

II.—A partial Eclipse of the Moon, April 20th, In the morning, *visible*. The Moon will set in the Canadas at about 5 h. 9 m. with 1.2 digits eclipsed. Size at the Middle 8.544 digits on the northern limb. See the Table below.

III.—An Annular Eclipse of the Sun, September 28th, invisible in Canada.

IV.—A Partial Eclipse of the Moon, October 13, In the Evening, *visible*. The Moon will rise at 5 h. 11 m. with 8.64 digits eclipsed. Size when largest, 11.976 digits on the Southern limb. See the Table below.

PLACES.	ECLIPSE OF APRIL 20.		ECLIPSE OF OCT. 13.	
	Begins.	Middle.	Middle.	Ends.
	h. m.	h. m.	h. m.	h. m.
St. John's.....	4 5	5 37	7 25	8 59
Halifax.....	3 29	4 52	6 40	8 14
Fredericton.....	3 7	4 39	6 27	8 1
Quebec.....	2 49	4 21	6 9	7 43
Three Rivers.....	2 44	4 16	6 4	7 38
Montreal.....	2 40	4 12	6 0	7 34
Cornwall.....	2 35	4 7	5 55	7 29
Prescott.....	2 32	4 4	5 52	7 26
Plymouth.....	2 30	4 2	5 50	7 24
Kingston.....	2 27	3 59	5 47	7 21
Colbourg.....	2 25	3 57	5 45	7 19
Toronto.....	2 17	3 49	5 37	7 11
Hamilton.....	2 14	2 46	5 34	7 8
London C. W.....	2 9	3 41	5 29	7 3

JUPITER will be eclipsed by the Moon on the 19th of August, at about 1 o'clock in the morning, *visible*. Duration 54 minutes.

Mathematical Acknowledgements.

We have the pleasure to notice a very large number of Solutions of the Problems in the Almanac for 1855 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 honour 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. In some instances we may have overlooked the merits of our correspondents, where their results have been wrong, not from any want of skill, but from some small mistakes they have made. The majority of the solutions sent were correct. Particular notice is due to Messrs. Jordan, Dunne, Cowan, Clark, Ralph, Somerville and Sheehan, for full solutions, and finely executed diagrams. We give *instead* of the solutions, the answers in *literal formulae* as far as possible, by which rules can be made. We invite all to send for the Almanac, original and well-selected problems, with solutions on *separate* sheets of paper, and if approved will be inserted next year. They should be in the hands of the publishers on or before the 15th of May, 1856.

The Problems in this Almanac are of a highly practical character, and combine utility with the theoretical. Persons who send *correct solutions* of 15 or more of these Problems (post-paid) to the Publishers, Messrs. MACLEAR & Co., Toronto, before July 1st, 1856, will have the same publicly acknowledged in the issue for 1857.

We have received correct solutions from our Correspondents as shown below:—

Mr. THOMAS JORDAN, School Teacher, of Oxford, Probs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 20, 21, 22, 24, 28, 29, 31, 32, 33, 34, 35, and Exs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, and Geom. Prob. 1.

Mr. WILLIAM COWAN, School Teacher, No. 6, Guelph, Probs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, (in part) 13, 14, 15, 16, 17, 18, 20, 21, 22, 23, 24, 26, 29, 31, 32, 33, 34, 35; and Exs. 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 42, 43, 44, 45, 46, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, and Geom. Prob. 1.

Mr. WILLIAM RALPH, London, C. W., Probs. 1, 2, 5, 6, 7, 8, 9, 10, 12, (in part) 13, 14, 15, 16; and Exs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 22, 23, 24, 25, 26, 28, 29, 30, 31, 33, 34, 35, 37, 39, 40, 42, 43, 44, 46, 49, 50, 53, 54, 55, 56, and Geom. Prob. 1.

Mr. CHARLES CLARK, C. M. Teacher, Cayuga, Probs. 1, 2, 4, 5, 6, 8, 9, 10, 12, 13, 14, 15, 17, 18, 22, 24, 28, 29, 30, 31, 32, 33, 34; and Exs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, and Geom. Prob. 1.

Mr. WILLIAM DUNNE, of St. James, and Teacher in No. 4, Onondaga, Probs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 20, 21, 22, 23, 25, 27, 28, 29, 30, 31, 32, 33, 34, 35; and Exs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, and Geom. Prob. 1.

Mr. JOHN SHEEHAN, C. T., Onondaga, Brant Co., Probs. 1, 2, 5, 6, 7, 8, 10, 12, 13, 14, 15, 16, 20, 21, 22, 23, 24, 27, 28, 29, 31, 32, 33, 34, 35, and Exs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 32, 33, 34, 35, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59; and Geom. Prob. 1.

Mr. ROBERT SCMERVILLE, School Teacher, in Darlington, Probs. 2, 5, 6, 7, 8, 9, 10, 13, 15, 32, and Exs. 1, 2, 3, 4, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 22, 24, 25, 26, 28, 29, 30, 40, 42, 43, 46, 48, 49, 50, 53, 54.

Mr. JAMES
Exs. 1, 2, 3
Mr. WAL
11, 12, 13,
Mr. V. M
Mr. DENI
12, 13, 14, 1
Mr. JAME
14, 15, 16, 1
Mr. THOM
26, 29, 30, 3
Mr. JAMES
Prob. 1.
Mr. JOSEPH
Mr. JOHN
Mr. BENJ
Mr. THOM
Mr. JAMES
8, 9, 10, 11, 1
Mr. JOHN
and Exs. 1, 4
48, 49, 50, 53,
MARY CAM
Mr. CHARL
Mr. GEORGE
25, 28, 43, 50
Mr. NICHOL
Mr. GEORGE
24, 26, 29, 30,
Mr. JAMES
Mr. JOHN I
Mr. JOHN N
12, 13, 24, 25,
Mr. DAVID
35.
Mr. WILLIAM
7, 8, 10, 11, 12
Mr. A. C. O
15, 16, 19, 20,
Mr. G. W. S
and Geom. Pr
Mr. BERNAR
6, 7, 8, 11, 13
Mr. GEORGE
Mr. MARSH
Mr. WM. LE
Mr. ARCHIB
Mr. D. MUR
Mr. JAMES I
Mr. JAMES T
Mr. JOHN C
nearly.
Mr. JAMES J
26, 31, 29, 40
Mr. J. HN J
Mr. JOHN M
Mr. DANIEL
Mr. JOHN L
Mr. JAMES F
Mr. CHARL
Mr. WM. II
Mr. PETER S
Mr. DONALD
Mr. ANGUS
Mr. WILSON
Mr. MALCOLM
NOTE.—The
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July 15th, 1

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Messrs. Jordan.
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MACLEAR & Co.,

17, 18, 20, 21, 22,
23, 24, 25, 26,
58, and Geom.

(t.) 13, 14, 15, 16,
17, 18, 19, 20, 21,
53, 54, 55, 56, 57,

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46, 49, 50, 53, 54,

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22, 23, 24, 27, 28,
24, 25, 26, 28, 29,
d Geom. Prob. 1.

xs. 1, 2, 3, 4, 6, 7,

Mr. JAMES A. LYNAM, Teacher, Pond Mills, Westminster, Probs. 1, 2, 4, 5, 6, 7, 8, 10, 13, 17, 18, 22, 31, 32, 34; and Exs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 22, 26, 28, 29, 31, 33, 34, 37, 39, 40, 43, 49, 50, 53, 54, 56.

Mr. WALTER HENDERSON, C. S. T., Wainfleet, Welland Co., Probs. 2, 4, 5, 6, 7, 8, 9, 13, 15, 31, 35; and Exs. 6, 8, 10, 11, 12, 13, 14, 15, 16, 18, 23, 24, 26, 28, 29, 30, 31, 34, 37, 40, 43, 46, 49, 54, 57.

Mr. V. M. CLEMENTI, Peterboro, Exs. 4, 6, 10, 11, 13, 14, 15, 16, 20, 29, 40, and Geom. Prob. 1.

Mr. DENIS SMITH, Pensioner, No. 7 Tower, Quebec, Probs. 1, 2, 4, 5, 7, 6, 8, 9, 10, and Exs. 1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16, and Geom. Prob. 1. Also Prob. 19, in the Almanac of 1854.

Mr. JAMES SUTHERLAND, of Carradoc, Probs. 2, 5, 6, 7, 8, 9, 10, 17, 24, 29, 31, and Exs. 1, 2, 4, 5, 6, 7, 10, 11, 12, 13, 14, 15, 16, 19, 20, 22, 23, 24, 26, 28, 29, 30, 31, 34, 37, 40, 43, 50, 54, 55, and Geom. Prob. 1.

Mr. THOMAS MAGINNIS, St. Andrews, Probs. 2, 5, 6, 7, 14, 22, and Exs. 6, 7, 8, 11, 12, 13, 14, 15, 16, 17, 19, 23, 24, 26, 29, 30, 31, 40, 43, 49, 50, 54, 58.

Mr. JAMES McCLELLAND, Teacher, No. 10, Scarborough, Probs. 1, 2, 5, 6, 10, 13, 22, and Exs. 1, 5, 6, 8, 48, and Geom. Prob. 1.

Mr. JOSEPH OSBORNE, S. T., Enniskillen, Probs. 2, 5, 6, 22, 31, 32.

Mr. JOHN JERRETT, S. T., of Elmgrove, Essa, Probs. 5, 6, 7, 10, 13, 22.

Mr. BENJAMIN WALDEN, C. S. T., Elginfield, Probs. 2, 5, 10, 22.

Mr. THOMAS RAMAGE, Etobicoke Probs. 2, 4, 5, 6, 8, 9, 14, 22.

Mr. JAMES GAHAN, York, Probs. 1, 2, 5, 6, 7, 10, 13, 14, 15, 16, 17, 19, 20, 21, 22, 31, 32, 33, and Exs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 22, 24, 25, 27, 28, 29, 30, 31, 32, 33.

Mr. JOHN CAMPBELL, Teacher, Carradoc, Probs. 1, 2, 4, 5, 6, 8, 9, 10, 15, 14, 15, 17, 18, 22, 24, 29, 31, 32, 34, (in part) and Exs. 1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 34, 35, 36, 43, 44, 48, 49, 50, 53, 54, 55, 56 and Geom. Prob. 1.

MARY CAMPBELL, of Carradoc, Probs. 1, 2, 5, 6, 8, 11, 12 (in part), 13, 15, 22, 24, 31, 32, 34, (1 part.)

Mr. CHARLES CAMPBELL, Mapleton, Probs. 8, and Exs. 1, 2, 5, 6, 7.

Mr. GEORGE THOMSON, of Tuckersmith, Probs. 2, 5, 6, 8, 9, 10, 14, 15, 22; and Exs. 4, 5, 6, 7, 8, 12, 14, 15, 16, 19, 20, 25, 28, 43, 56.

Mr. NICHOLAS DOWN, S. T., Cobourg, Probs. 2, 5, 6, 7, 13, 14, 20, 31, 34, 35; and Exs. 6, 13, 14, 15, 16, 26, 29, 40.

Mr. GEORGE T. EVANS, C. S. T., Missouri West, Probs. 2, 5, 6, 9, 14, 15, 33, and Exs. 4, 5, 6, 7, 8, 10, 13, 14, 18, 19, 20, 24, 26, 29, 30, 33, 37, 40, 43, 46, 49, 50 and Geom. Prob. 1.

Mr. JAMES DEVLIN, F. C. Teacher, Muldstone, Probs. 7, 20, 32, 35; and Exs. 10, 41.

Mr. JOHN IRELAND, C. S. T., Delaware, Probs. 1, 2, 4, 5, 10, 12, 31, 24, 13, 15, 32, and Ex. 2.

Mr. JOHN MILLS, C. S. T., Portsmouth, Probs. 2, 5, 6, 8, 10, 13, 14, 15, 16, 22, 23, 32, 34, 35, and Exs. 2, 4, 5, 6, 8, 10, 12, 13, 24, 25, 26, 28, 29, 33, 46. (Mr. Mills' name last year was printed Niles.)

Mr. DAVID TROWBRIDGE, Waterburgh, N. Y., Probs. 2, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 16, 19, 22, 24, 26, 28, 29, 30, 31, 33, 35.

Mr. WILLIAM MCCONNELL, P. L. S., St. Andrews, C. E., Probs. 2, 5, 6, 8, 10, 13, 14, 22, 31, 32, 35; and Exs. 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 19, 20, 24, 26, 29, 30, 34, 37, 39, 40, 43, 46, 48, 49, 53, 54, 56, 57, 58.

Mr. A. C. O'REILLEY, of Wainfleet, Probs. 1, 2, 5, 6, 7, 9, 10, 12, 13, 14, 15, 22, and Exs. 2, 3, 4, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 19, 20, 29, 30, 43, 46, 48, 50, 58.

Mr. G. W. SHELDON, C. S. T., Harwich, Probs. 2, 5, 6, 7, 10, 13, 16, and Exs. 1, 3, 5, 12, 13, 14, 15, 16, 24, 26, 29, 42, 46, and Geom. Prob. 1.

Mr. BERNARD DE SCUDAMORE, Newburg, Probs. 1, 2, 5, 6, 9, 13, 14, 15, 17, 22, 24, 27, 28, 31, 32, 33, and Exs. 1, 2, 3, 4, 6, 7, 8, 11, 13, 16, 18, 19, 22, 24, 25, 28, 32, 37, 40, 42, 43, 44, 48, 49, 54.

Mr. GEORGE L. LITTLEJOHNS, Yonge, Probs. 2, 5, 6, 7, 8, 10, 13, 22, 34, and Exs. 5, 13, 16, 29.

Mr. MARSHALL MACLEIN, Sen., of Scarborough, Probs. 2, 5, 6, 10, 13, 31, 32, 34.

Mr. WM. LEWIS, of Lorraine, Probs. 2, 5, 6, 7, 10, 13.

Mr. ARCHIBALD McLELLAN, Dumfries, Probs. 2, 5, 6, 22.

Mr. D. MURRAY, Junior, Montreal, Probs. 2, 5, 6.

Mr. JAMES BURGESS, Etobicoke, Prob. 34.

Mr. JAMES TURNBULL, East Zorra, Probs. 2, 5, 6, 8, 13, 22, and Exs. 1, 8, 12, 13, 16, 40, 43, 54, and Geom. Prob. 1.

Mr. JOHN CAREY, Plympton, Probs. 1, 2, 5, 6, 10, 13, 14, and Exs. 4, 5, 6, 19, 23, and Geom. Prob. 1, and 32 of 1851, nearly.

Mr. JAMES R. DAVIS, Cobourg, Probs. 2, 6, 5, 22, 33, 35, and Exs. 1, 2, 4, 5, 6, 9, 10, 12, 13, 14, 15, 16, 18, 19, 20, 24, 25, 26, 31, 29, 40, 42, 43, 46, 49, 50, 53, 54, 56, 57, and Geom. Prob. 1.

Mr. J. HN JACQUES, of Scarboro, Probs. 6, 22, 5, 34, and Geom. Prob. 1. (in part.)

Mr. JOHN MURRAY, St. Andrews, Probs. 2, 6, 22, and Exs. 8, 16, 24.

Mr. DANIEL DONOHUE, of Emily, Prob. 2, 5, 6.

Mr. JOHN LORRANER, of Verulam, Prob. 2, 5, 10, 32.

Mr. JAMES FERGUSON, of Kingston, Probs. 5, 6.

Mr. CHARLES RYND, C. S. T., Blanshard, Probs. 2, 5, 6, 22, 32.

Mr. WM. HARRIS, of Morris, Probs. 2, 5.

Mr. PETER SCOTT, of Esquesing, Probs. 5, 6, 31, 32, and Geom. Prob. 1.

Mr. DONALD McGILLIS, of St. Andrews, Probs. 2, 6, 22; and Exs. 8, 11, 16.

Mr. ANGUS McDONALD, of St. Andrews, Probs. 2, 6, 7; and Exs. 8, 20, 24, 26.

Mr. WILSON S. WILLIAMS, of Grantham, Probs. 5, 6, 13, 10; Geom. Prob. 1, in part.

Mr. MALCOLM CURRIE, S. T., Sunnidale, Probs. 1, 2, 4, 5, 6, 8, 9, 22, 31, 32, 35; and 32 of 1854.

NOTE.—The Problems for 1854, 1855, and 1856, are, with a very few exceptions, entirely original with ourselves, and the formulae we publish this year are also, for the most part new. It is quite possible that in these there may be some errors, and if any we will thank our friends to point them out. We shall depend hereafter, upon the friends of the "Exact Science," for problems for the Mathematical department.

July 15th, 1855.

SAMUEL H. WRIGHT.

Day of Month	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	MATHEMATICAL PROBLEMS.
1	Tuesd.	<i>Circumcision.</i>	Mars near equator.	1 27 10	Pr. 1.—It is required
2	Wed.	(1) Ed. Burke born, 1730.	Saturn South, 10.52 ev.	1 27 10	to divide 1 into four parts,
3	Thur.	(4) Earthquake in Canada, 1663.	Venus South, 8.52 mo.	1 27 10	such that the sum of the
4	Friday	West Indies discovered, 1492.	Venus near Moon.	1 27 10	square roots of the parts
5	Satur.	Treaty bet'n Britain & U.S. 1781.	1th ☿ in Aphelion.	1 27 10	will be to 1 as 17 to 11.
6	SUND.	<i>Epiphany.</i>	Moon farthest South.	1 27 10	Pr. 2.—In trying to
7	Mond.	St. Anthony died, aged 105.	Moon near Mercury.	1 27 10	find the largest number
8	Tuesd.	<i>St. Lucian.</i>	Venus in Scorpio.	1 27 10	that will divide two other
9	Wed.	Mexican Independence, 1825.	Saturn South, 10.22 ev.	1 27 10	numbers, without re-
10	Thur.	Penny Postage com. in Engl. 1810.	Moon in perigee, 21 ☿	1 27 10	mainer, my quotients
11	Friday	First Public Lottery drawn 1569.	Moon near Neptune.	4 27 10	were 2, 3, 1, 2, 1, 5, 3.
12	Satur.	Sir C. Bagot, Gov. Gen. 1842.	Mars in Virgo.	1 27 10	Required those numbers.
13	SUND.	<i>1st Sunday after Epiphany.</i>		1 27 10	Pr. 3.—A can mow 1
14	Mond.	Halley died 1742.	Uranus in Taurus.	1 27 10	acre in 5½ hours, B, 1½
15	Tuesd.	Gen. Wolfe born 1726.	Saturn South, 9.57 eve.	1 27 10	acres in 8½ hours and
16	Wed.	Lindley Murray died 1826.	Moon ☿ Uranus.	1 27 10	C. 1 acre in 9¾ hours. In
17	Thur.	Benjamin Franklin born 1706.	Venus South 9.3 mo.	1 27 10	what time will they,
18	Friday	<i>Old Twelfth Day.</i>	Saturn near Moon.	1 27 10	working together, cut 9
19	Satur.	(20) Amer. Indep. acknowl. 1783.	Moon farthest North.	1 27 10	and five-sixth acres, and
20	SUND.	<i>Septuagesima.</i>	Sun enters <i>Capricornus</i> .	1 27 10	how much will each cut?
21	Mond.	Louis XVI. guillotined 1793.	Jupiter in Aquarius.	1 27 10	Pr. 4.—How high
22	Tuesd.	<i>St. Vincent.</i>	Saturn South 9:27 eve.	1 27 10	above the earth's surface
23	Wed.	Duke of Kent died, 1820.		1 27 10	must a man be to see ¼
24	Thur.	South Sea Bubble exploded, 1721.	Moon near Regulus.	1 27 10	of its surface?
25	Friday	<i>Conversion of St. Paul.</i>	Uranus stationary.	1 27 10	Pr. 5.—A globe whose
26	Satur.	Jenner died 1823.	Moon in Apogee.	1 27 10	diameter is 4 is dropped
27	SUND.	<i>Sexagesima.</i>	Saturn in Taurus.	1 27 10	into a conical glass full of
28	Mond.	Admiral Byng shot, 1757.	Mars near Moon.	1 27 10	water, its depth being 6
29	Tuesd.	(30) The Life-boat first used, 1790.	Saturn South, 8 58. ev.	1 27 10	and diameter 5. How
30	Wed.	Charles I. beheaded, 1643.	Venus South, 9.17 mo.	1 27 10	much water will run
31	Thur.	Guy Fawkes executed, 1606.	Mercury in Ascen. Node	1 27 11	over?

ANSWERS TO THE PROBLEMS FOR 1855.

PROB. 1.—1st \$3382.705; 2nd \$3872.875; 3rd \$1744.42 Ans.

PROB. 2.— $\frac{1}{2} + \frac{1}{3} = 7 \div 24 =$ what both do in 1 day, and in 3 days will do $3 \times 7 \div 24 = 7\frac{1}{2}$. Ans.

PROB. 3.—Let $4=a$, then the side of the required pentagon $= 2a \div \{(\sqrt{5}+1) + \frac{1}{3}\sqrt{(30+6\sqrt{5})}\}$
 $= 1.47263$ feet Ans.

Or $a \div 2.7162194 = 1.47263$ Ans.

PROB. 4.—Let each side $= 12 = 2a$, and $x =$ side of the square required, then $x = 2a(3 - \sqrt{3})$
 $= 15.21539$ Ans.

PROB. 5.—The heirs will share the estate in the ratio of 16,000, 12,000, and 8,000, or as 4, 3, 2
 Now $4+3+2=9$.

And $9:4::20,000:8888$ 8-9=1st.
 $9:3::20,000:6666$ 2-3=2nd. } Ans.
 $9:2::20,000:4444$ 4-9=3rd.

PROB. 6.— $24 \div 1 =$ sum of extremes. $25 \times 24 \div 2 = 300$ Ans.

PROB. 7.— $\frac{3}{4} + \frac{9}{10} + \frac{13}{20} = \frac{46}{20}$. Now $\frac{46}{20} - 2 \times \frac{13}{20} = 1 =$ twice A.'s work.

$\frac{46}{20} - 2 \times \frac{18}{20} = \frac{1}{2} =$ twice B's work, and $\frac{46}{20} - 2 \times \frac{15}{20} = \frac{4}{5} =$ twice C.'s work, and
 once the work of each will be $\frac{1}{2}$, $\frac{1}{3}$, and $\frac{2}{5}$, and they must share the pay in this
 ratio, which is as 10, 5, and 8. Again $10+5+8=23$. Now $23:10::26.45:$
 $\$11.50=A$'s, $23:5::26.45:\$5.75=B$'s, and $23:8::26.45:\$9.20=C$'s Ans.

PROB. 8.—Let $18=a$, then the side of the square $= \frac{1}{2}a\sqrt{2} = 12.7279$ Ans.

- New Mo
- First Qu
- Full Mo
- Last Qu
- ☾ Perigee.
- ☾ Apogee.

Day Mo.	Val	Mo
1 ...	8	
7 ...	8	
13 ...	9	
19 ...	9	
25 ...	9	
31 ...	9	

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	Thurs.
18	Friday
19	Satur.
20	SUND.
21	Mond.
22	Tuesd.
23	Wed.
24	Thurs.
25	Friday
26	Satur.
27	SUND.
28	Mond.
29	Tuesd.
30	Wed.
31	Thurs.

PROB. 6.
 19 inches,
 6 in. deep
 the sides.
 PROB. 7.
 angles of a

MOON'S PHASES.	D.	Toronto.		Quebec.		Twilight or Daylight begins and ends at—											
						Toronto.		Halifax.		Montreal.		Fredrickt.		Quebec.			
						Dayz.											
		Beg.	End.	Beg.	End.	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.
● New Moon	7	6	0 ev	6	32 ev												
● First Quarter ...	14	10	25 mo	10	58 mo	h	m	h	m	h	m	h	m	h	m	h	m
○ Full Moon	21	10	11 ev	10	41 ev	15	50	6	17	5	52	6	16	5	53	6	14
● Last Quarter ...	30	3	17 mo	3	50 mo	10	5	50	6	25	5	25	6	24	5	51	6
☾ Perigee.....	10	4	45 mo	5	17 mo	20	5	47	6	35	5	48	6	34	5	49	6
☾ Apogee.....	26	3	45 mo	4	17 mo	30	5	41	6	46	5	41	6	43	5	41	6

Ephemeris of the Planets, &c.

Day	Mo.	Venus South Morn.	Mars South Morn.	Jupiter South Even.	Saturn South Even.	Sun's Long. Ind.	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.
		<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>° /</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>°</i>	<i>°</i>	<i>°</i>	<i>°</i>
1 ...		8 51	5 56	3 31	10 56	281 33	18 40	15 33	12 34	22 13	5 40	16 10	1 12	12	7 22
7 ...		8 53	5 39	3 12	10 31	286 46	19 12	16 1	12 43	22 18	5 38	17 46	2 6	11	22 11
13 ...		9 00	5 23	2 53	10 5	292 47	19 38	16 20	12 52	22 23	5 36	19 9	2 5	11	14 22
19 ...		9 5	5 8	2 34	9 40	298 51	20 4	16 58	13 0	22 28	5 35	20 18	3 38	10	45 22
25 ...		9 11	4 51	2 15	9 15	305 20	20 21	17 28	13 7	22 33	5 33	21 8	4 15	10	16 22
31 ...		9 18	4 33	1 57	8 50	311 5	20 54	17 58	13 13	22 38	5 32	21 33	4 47	9	45 22

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.			Moon Rises.			Sun Rises.			Moon Rises.			Pole Star in Meridian Evening.	Shadow at Noon Mark. Evening.	Mars Age Noon.	Moon South Morn.	Moon's Place at 7 P. M.	Sun's Declination South.				
		h	m	s	h	m	s	h	m	s	h	m	s										
		h	m	s	h	m	s	h	m	s	h	m	s										
1	Tuesd	17	36	4 32		52	7	48	4	20	54	6	23	20	12	3	42	23.3	6 38	☿	27	23	2 26
2	Wed.	17	36	4 33	1	55	7	48	4	21	1 58	6	19	23	12	4	11	24.3	7 20	♄	16	22	57 21
3	Thur.	17	36	4 34	3	17	7	48	4	22	3 7	6	15	26	12	4	39	25.3	8 6	do.	22	22	51 49
4	Friday	17	36	4 35	4	12	7	47	4	23	4 20	6	11	29	12	5	6	26.3	8 56	♃	6	22	45 49
5	Satur.	17	36	4 36	5	26	7	47	4	24	5 36	6	7	33	12	5	34	27.3	9 51	do.	19	22	39 23
6	SUND.	17	36	4 37	6	37	7	47	4	25	6 48	6	3	36	12	6	0	28.3	10 51	♂	3	20	30 30
7	Mond.	17	35	4 38	Sets		7	47	4	26	Sets.	5	59	39	12	6	27	29.3	11 54	do.	17	22	25 9
8	Tuesd.	17	35	4 39	5	26	7	47	4	28	5 16	5	55	42	12	6	53	0.7	Ev. 56	♃	2	22	17 23
9	Wed.	17	35	4 40	6	46	7	47	4	29	6 39	5	51	45	12	7	18	1.7	1 57	do.	17	22	9 10
10	Thur.	107	35	4 41	8	8	7	46	4	30	8 3	5	47	49	12	7	43	2.7	2 53	♄	1	22	0 31
11	Friday	117	34	4 42	9	27	7	46	4	31	9 25	5	43	52	12	8	7	3.7	3 45	do.	16	21	51 26
12	Satur.	127	34	4 43	10	45	7	46	4	32	10 44	5	39	55	12	8	31	4.7	4 35	♄	0	21	41 55
13	SUND.	137	34	4 45	11	57	7	45	4	34	11 59	5	35	58	12	8	54	5.7	5 22	do.	15	21	32 0
14	Mond.	147	33	4 46	Morn		7	45	4	36	Morn	5	32	2	12	9	16	6.7	6 10	do.	29	21	21 39
15	Tuesd.	157	33	4 47	1	12	7	44	4	37	1 16	5	28	5	12	9	38	7.7	6 59	♃	12	21	10 54
16	Wed.	167	32	4 48	2	24	7	43	4	38	2 31	5	24	8	12	9	59	8.7	7 50	do.	26	20	59 45
17	Thurs.	177	31	4 50	3	40	7	42	4	39	4 45	5	20	11	12	10	19	9.7	8 43	♄	9	20	48 11
18	Friday	187	31	4 51	4	47	7	42	4	40	4 57	5	16	15	12	10	38	10.7	9 38	do.	22	20	36 14
19	Satur.	197	30	4 52	5	51	7	41	4	41	6 3	5	12	18	12	10	57	11.7	10 34	♂	4	20	23 54
20	SUND.	207	29	4 53	6	47	7	40	4	42	6 59	5	8	21	12	11	15	12.7	11 29	do.	17	20	11 10
21	Mond.	217	29	4 53	Rises		7	39	4	43	Rises	5	4	24	12	11	33	13.7	Morn	do.	30	19	58 4
22	Tuesd.	227	28	4 56	5	26	7	38	4	45	5 17	5	0	28	12	11	49	14.7	0 21	♄	12	19	44 36
23	Wed.	237	27	4 57	6	30	7	37	4	47	6 24	4	56	31	12	12	5	15.7	1 9	do.	24	19	30 46
24	Thurs.	247	26	4 59	7	32	7	36	4	48	7 28	4	52	34	12	12	20	16.7	1 54	♃	6	19	16 34
25	Friday	257	25	5 00	8	34	7	35	4	50	8 32	4	48	37	12	12	34	17.7	2 36	do.	18	19	2 1
26	Satur.	267	24	5 01	9	36	7	34	4	52	9 35	4	44	41	12	12	47	18.7	3 16	do.	30	18	47 7
27	SUND.	277	23	5 03	10	30	7	33	4	53	10 32	4	40	44	12	13	0	19.7	3 55	♄	11	18	31 52
28	Mond.	287	22	5 04	11	37	7	32	4	54	11 41	4	36	47	12	13	12	20.7	4 34	do.	23	18	16 18
29	Tuesd	297	21	5 06	Morn		7	31	4	56	Morn	4	32	51	12	13	23	21.7	5 14	♄	5	18	0 23
30	Wed.	307	20	5 07	43	7	30	4	58		48	4	28	54	12	13	33	22.7	5 57	do.	18	17	44 9
31	Thurs.	317	19	5 08	1	53	7	29	4	59	2 0	4	24	57	12	13	42	23.7	6 44	do.	30	17	27 37

PROB. 6.—The bulge diameter of a cheese is 19 inches, and side diameter 18 inches. It is 6 in. deep at the edges, and 7 in. at the centre of the sides. Required its solid contents.

PROB. 7.—The three lines drawn from the angles of a triangle perpendicular to the oppo-

site sides, meet in a point—if the length of these lines from the angles to the point where they meet are 1, $\sqrt{6}$, and $\sqrt{6}$ respectively, it is required to determine the sides of the triangle by quadratic equations.

PROB. 8.—Given $x^4 - 2x^3 + x = 2$, to find x .

Day of Month	Day of Week	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	MATHEMATICAL PROBLEMS.
1	Friday	York Cathedral fired 1829.	♂ Gr. along E. 18° 17'	1 27 11	Pron. 9.—The sides of
2	Satur.	<i>Cardenas</i> .	Saturn South 8 42 ev.	1 27 11	a triangle are 13, 14,
3	SUND.	<i>Quehuacsimu</i> .	Venus near Moon morn	1 27 11	and 15. If a line drawn
4	Mon.	30 Spanish Inquisition abol. 1812.	♂ in perihelion [lowest	1 27 11	parallel to the longest
5	Tuesd.	<i>Shrove Tuesday</i> .	Venus farthest South.	1 27 11	side cuts off an area of
6	Wed.	<i>Ash Wednesday</i> .	at 90° East of Sun.	1 27 11	24, what are the sides
7	Thur.	Mary Queen of Scots bech. 1557.	♂ perigee. ♂ ♄ & ♀	1 27 11	enclosing the area?
8	Friday	Pythagoras born, 586 B.C.	Neptune near Moon.	1 27 12	Pron. 10.—How much
9	Satur.	100 Queen Victoria married, 1840	Saturn South 8-13 eve.	1 27 12	more surface will a circle
10	SUND.	<i>1st Sunday in Lent</i> .	Venus in Sagittarius.	1 27 12	contain than a square,
11	Mon.	Washington born, 1733.	Venus South, 9-31 mo.	1 27 12	the perimeter of each
12	Tuesd.	Lady Jane Grey & hush. bech. 1554.	Moon near Uranus.	1 27 12	being 400 rods?
13	Wed.	Massacre of Glencoe, 1691.	Mars in Virgo.	1 27 12	Pron. 11.—If 3½ times
14	Thur.	<i>St. Valentine</i> .	Jupiter in Aquarius.	1 27 13	3½ yards cost 1½ times 1½
15	Friday	National Debt of Eng. com. 1500.	Moon near Saturn.	1 27 13	dollars, what will ½ times
16	Satur.	17) Michael Angelo died, 1564.	Moon farthest North.	1 27 13	the ½ of the ½ of 12½ yards
17	SUND.	<i>2nd Sunday in Lent</i> .	♂ Inf. ♂ Sun.	1 27 13	cost?
18	Mon.	Martin Luther died, 1546.	Saturn South 7.37½ ev.	1 27 13	Pron. 12.—How many
19	Tuesd.	Galileo born, 1564.	Sun enters <i>Aquarius</i> .	1 27 14	acres of land in a tract
20	Wed.	Voltaire born, 1694.	Moon near Regulus.	1 27 14	bounded by the parallels
21	Thur.	Archbishop Cranmer burnt 1556.	Saturn South 7.26 ev.	1 27 14	of 40° and 50° of north
22	Friday	Sir Joshua Reynolds died 1792.	Moon in Apogee.	1 27 14	latitude, and by the me-
23	Satur.	Louis Philippe abdicated 1848.	♂ stationary.	1 27 14	ridians of 80° and 90° of
24	SUND.	<i>3rd Sunday in Lent</i> .	Mars stationary.	1 27 15	longitude?
25	Mon.	Sir Christopher Wren died, 1723.	(24) Moon near Mars.	1 27 15	Pron. 13.—How many
26	Tuesd.	Napoleon escaped from Elba, 1815	Venus South 9.49 mo.	1 27 15	balls in a triangular pile,
27	Wed.	Gas used in London streets, 1829.	Saturn South 7.2 eve.	1 27 15	there being 12 on each
28	Thur.	27) Sir J. Colborne, Adm. 1838.	Saturn in Taurus.	1 27 16	side of the base?
29	Friday	Intercalated Day.	Mercury stationary.	1 27 16	

ANSWERS TO THE PROBLEMS FOR 1855.

PROB. 9.—Let $20=a$, then the side of the octagon $=a(\sqrt{2}-1)=8.28427$ Ans.

PROB. 10.—\$14467.504 Ans.

PROB. 11.—Let $r=4000 \times 5280$ feet; $g=32\frac{1}{2}$, then the time $=\frac{1}{2}(3.1416)\sqrt{r \div g}=1272.81$ seconds, Ans.

Velocity $=\sqrt{gr}=400\sqrt{4246}=26064.533$ feet Ans.

PROB. 12.—Number of bounds will be *infinite*. Distance, moved 36 feet, or 24 feet in *descent*, and 12 in *ascent*. The *times* of ascent and descent are computed in conformity to the law of falling bodies, and it (the time) is $=5.034472866$ seconds, or about 1-12th of a minute, Ans.

PROB. 13.— $(3 \times 3 \times 14 \times 4 \times 90 \times 12) \div (18 \times 5 \times 15 \times 7 \times 6) = 9$ 3-5 hours Ans.

PROB. 14.—Dividing line $=13,583$ inches. Length of the pieces 5.6676894 feet, and 6.3323106 feet, Ans.

PROB. 15.—Let x = radius of semicircle, then $x\sqrt{2}$ = radius of quadrant. Now $x^2 = \sqrt{a} = 10$, in which the area $100=a$. Hence diameter $=20$, Ans.; and $x\sqrt{2}=14.142136$ Ans.

PROB. 16.—The length of plane must be twice the height, since the sine of $30^\circ = \frac{1}{2}$ radius. Now let x = the height, then $\sqrt{(2 \times 32\frac{1}{2} \times x)} = 600$; hence $64\frac{1}{2} = 3600$, and $x = 5595.855$ feet, and twice this $= 11191.71$ feet, Ans.

PROB. 17.—Let $32=d$, $43=a$, $45=b$, $40=c$, and the required height $=x = \frac{1}{d} \sqrt{\left\{ \frac{1}{2} \left(a^2b^2 + b^2c^2 + a^2c^2 - a^4 - b^4 - c^4 - d^4 + d^2(a^2 + b^2 + c^2) \right) \right\}} = 37.974$ feet Ans.

[96]

+ House opened
17th 17

MOON'S PH

○ New Moon
● First Quarter
○ Full Moon
○ Last Quarter
☾ Perigee
☽ Apogee

Day Mo. Venus South Morn

1 ...	9 14
7 ...	9 2
13 ...	9 3
19 ...	9 4
25 ...	9 4
29 ...	9 5

Day of Month Day of Week Day of Year

1	Friday	31
2	Satur.	32
3	SUND.	33
4	Mon.	34
5	Tuesd.	35
6	Wed.	36
7	Thur.	37
8	Friday	38
9	Satur.	39
10	SUND.	40
11	Mon.	41
12	Tuesd.	42
13	Wed.	43
14	Thur.	44
15	Friday	45
16	Satur.	46
17	SUND.	47
18	Mon.	48
19	Tuesd.	49
20	Wed.	50
21	Thur.	51
22	Friday	52
23	Satur.	53
24	SUND.	54
25	Mon.	55
26	Tuesd.	56
27	Wed.	57
28	Thur.	58
29	Friday	59

PROB. 14.—hemisphere of it is half of thickness top

Pron. 15.—strongest re from a log 4
PROB. 16.

MOON' PHASES.	D.	Toronto.		Quebec.		Twilight or Daylight begins and ends at—																
						Toronto.				Halifax.				Montreal.				Friedrichs Quebec.				
						Beg.		End		Beg.		End		Beg.		End		Beg.		End		
		h m		h 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.				
☾ New Moon		5	19 mo	5	51 mo																	
☾ First Quarter ...	12	8	54 ev	9	27 ev	h	m	h	m	h	m	h	m	h	m	h	m	h	m	h	m	
☾ Full Moon	20	4	23 ev	4	55 ev	15	39	6	48	5	39	6	48	5	49	6	47	5	41	4	47	
☾ Last Quarter ...	28	8	24 ev	8	56 ev	10	5	29	6	59	5	30	6	59	5	30	6	59	5	30	6	59
☾ Perigee	7	9	21 mo	9	53 mo	20	5	14	7	14	5	16	7	12	5	16	7	12	5	16	7	12
☾ Apogee	22	1	45 ev	2	17 ev	28	5	27	22	5	27	23	5	27	22	5	27	23	5	27	22	5

Ephemeris of the Planets, &c.

Day Mo.	Venus South Morn.	Mars South Morn.	Jupiter South Even.	Saturn South Even.	Sun's Longtude.	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.
	h m	h m	h m	h m	° ' "	h m	h m	h m	h m	h m	° ' "	° ' "	° ' "	° ' "
1 ...	9 19	4 30	1 51	8 46	312	6 20	58	18 3	13 14	22 39	5 32	21 43	4 52	9 40
7 ...	9 26	4 12	1 35	8 22	318	11 21	23	18 31	13 18	22 41	5 31	21 49	5 15	9 40
13 ...	9 31	3 52	1 17	7 57	324	15 21	46	19 5	13 22	22 49	5 30	21 33	5 31	8 37
19 ...	9 41	3 30	1 2	7 31	330	18 22	10	19 36	13 21	22 54	5 30	20 51	5 39	8 42
25 ...	9 48	3 7	0 41	7 10	336	20 22	35	20 7	13 25	23 0	5 30	19 51	5 39	7 31
29 ...	9 52	2 51	0 28	6 51	340	21 22	47	20 27	13 24	23 3	5 30	19 2	5 34	7 9

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 Evening.		Shadow at Noon Mark Evening.		Min's Age Noon.		Moon's Place at 7 P. M.		Sun's Declination South.	
		h	m	s	h	m	s	h	m	s	h	m	s	h	m	s	h	m	s	days	h	m	s	°	'	°	'		
		h	m	s	h	m	s	h	m	s	h	m	s	h	m	s	h	m	s	days	h	m	s	°	'	°	'		
1	Friday	32	7	18	5	10	3	27	28	5	0	3	12	4	21	6	12	13	51	24	7	7	35	13	17	10	46		
2	Satur.	33	7	17	5	11	4	14	26	5	2	4	24	4	17	3	12	13	59	25	7	8	32	27	16	53	36		
3	SUND.	34	7	16	5	13	5	22	25	5	3	5	34	4	13	7	12	14	6	26	7	9	33	↓	11	16	36	8	
4	Mond.	35	7	15	5	14	6	19	23	5	5	6	31	4	9	16	12	14	12	27	7	10	35	do.	25	16	18	23	
5	Tuesd.	36	7	13	5	16	Sets	7	22	5	6	Sets	4	5	13	12	14	17	28	7	11	38	13	10	16	0	23		
6	Wed.	37	7	12	5	17	5	40	20	5	8	5	31	4	1	17	12	14	22	0	8	ev.	27	do.	25	15	42	3	
7	Thur.	38	7	11	5	18	7	37	19	5	9	7	0	3	57	26	12	14	26	1	3	1	33	10	15	23	4		
8	Friday	39	7	8	5	19	8	29	17	5	11	8	27	3	53	23	12	14	28	2	3	2	25	do.	25	15	4	39	
9	Satur.	40	7	7	5	21	9	41	17	5	13	9	41	3	49	27	12	14	31	3	3	3	16	10	14	45	34		
10	SUND.	41	7	6	5	22	10	57	16	5	14	11	1	3	45	36	12	14	32	4	3	4	5	do.	25	14	26	14	
11	Mond.	42	7	4	5	24	Morn	7	15	5	15	Morn	3	41	33	12	14	32	5	3	4	55	9	14	6	35	1		
12	Tuesd.	43	7	3	5	25	12	7	14	5	16	18	3	37	37	12	14	32	6	3	5	46	do.	22	13	46	51		
13	Wed.	44	7	2	5	27	1	27	12	5	18	1	36	3	33	46	12	14	31	7	3	6	39	8	6	13	26	46	
14	Thur.	45	7	1	5	28	2	39	9	5	20	2	48	3	29	44	12	14	29	8	3	7	34	do.	19	13	6	35	
15	Friday	46	7	0	5	29	3	46	7	5	21	3	57	3	25	47	12	14	27	9	3	8	30	Π	1	12	46	8	
16	Satur.	47	6	58	5	31	4	45	7	5	23	4	47	3	21	50	12	14	23	10	3	9	24	do.	14	12	25	28	
17	SUND.	48	6	56	5	32	5	33	7	5	23	5	45	3	17	54	12	14	19	11	3	10	16	do.	26	12	4	37	
18	Mond.	49	6	55	5	33	6	12	7	5	25	6	22	3	13	57	12	14	14	12	3	11	5	☿	9	11	43	34	
19	Tuesd.	50	6	53	5	35	6	45	7	5	26	6	53	3	10	1	12	14	9	13	3	11	51	do.	21	11	22	20	
20	Wed.	51	6	52	5	36	Rises	7	0	5	28	Rises	3	6	4	12	14	3	14	8	Morn	3	11	0	♊	3	11	0	56
21	Thur.	52	6	50	5	37	6	25	6	58	5	30	6	22	3	2	8	12	13	56	15	3	0	34	do.	15	10	39	22
22	Friday	53	6	49	5	39	7	26	6	56	5	32	7	25	2	58	11	12	13	48	16	3	1	14	do.	26	10	17	38
23	Satur.	54	6	47	5	40	8	27	6	55	5	33	8	28	2	54	14	12	13	40	17	3	1	53	☿	8	9	55	44
24	SUND.	55	6	45	5	42	9	30	6	54	5	31	9	32	2	50	18	12	13	32	18	3	2	32	do.	20	9	33	41
25	Mond.	56	6	44	5	43	10	32	6	51	5	35	10	37	2	46	22	12	13	22	19	3	3	12	♈	2	9	11	36
26	Tuesd.	57	6	42	5	44	11	38	6	49	5	37	11	45	2	42	25	12	13	12	20	3	3	53	do.	14	8	49	10
27	Wed.	58	6	40	5	46	Morn	6	47	5	39	Morn	2	38	29	12	13	2	21	3	4	38	26	8	26	8	26	42	
28	Thur.	59	6	39	5	47	48	6	45	5	41	56	2	34	32	12	12	51	22	3	5	26	10	9	8	4	7	4	
29	Friday	60	6	38	5	48	57	6	44	5	42	1	7	2	30	36	12	12	40	23	3	6	19	do.	22	7	41	23	

PROB. 14.—A loaf of bread in the shape of a hemisphere of radius $9=a$, is to be baked until it is half crust, which must be of the same thickness top and bottom. How thick will it be?

PROB. 15.—Required the dimensions of the strongest rectangular beam that can be sawed from a log 4 feet in diameter.

PROB. 16.—A bar of iron of uniform dimen-

sions, weighing 300 lbs., is fastened to a vertical wall at one end by a hook, the other end being attached to a pulley fixed in a horizontal line with the hook, and at a distance from it equal to the length of the bar. If the pulley rope have a weight of 100 lbs. attached to it, what angle of inclination to the horizon will the bar take?

Day of Month	Day of Week	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	MATHEMATICAL PROBLEMS.
1	Satur.	<i>St. David.</i>	Saturn South 6.51 ev.	1 27 16	PROB. 17.—Two wheels
2	SUND.	<i>4th Sunday in Lent.</i>	Moon farthest South.	1 27 16	whose diameters are 48
3	Mond.	(2) Emperor of Russia died, 1855.	Venus in Desc. Node.	1 27 17	and 6, stand upright and
4	Tuesd.	First Congress of U. S. 1789.	Moon near Venus & ♄	1 27 17	touch each other at their
5	Wed.	(6) York changed to Toronto, 1834	Jupiter ♄ Sun.	1 27 17	rims. If they stand upon
6	Thur.	Michael Angelo born, 1475.	Moon perigee, ♄ ♃	1 27 17	the same level, where
7	Friday	Bank of Eng. stopped paym. 1797	♄ in Desc. Node.	1 27 18	will they touch?
8	Satur.	Raphael born 1483.	Saturn South 6.24 ev.	1 27 18	
9	SUND.	<i>5th Sunday in Lent.</i>	Uranus near Moon.	1 27 18	PROB. 18.—Required
10	Mond.	(9) David Rizzio assass. 1566.	Saturn South 6.16 ev.	1 27 18	the surface and solidity
11	Tuesd.	Benjamin West died, 1820.	Mars in Virgo.	1 27 19	of a solid that will ex-
12	Wed.	Priestly born, 1733.	Venus South 10.4 Mo.	1 27 19	actly fill the largest
13	Thur.	(14) York (Toronto) market t. 1814	Saturn 90° E. of Sun.	1 27 19	square hole that can be
14	Friday	Klopstock died 1803.	Moon Highest.	1 27 20	made through a globe 2
15	Satur.	(16) Battle of Culloden, 1746.	Jupiter in Aquarius.	1 27 20	feet in diameter.
16	SUND.	<i>Palm Sunday.</i>	Saturn in Taurus.	1 27 20	
17	Mond.	<i>St. Patrick.</i>	♃ only 2' from Neptune	1 27 20	PROB. 19.—If a wheel
18	Tuesd.	Princess Louisa born, 1848.	Moon near Regulus.	1 27 21	5 feet in diameter rolls
19	Wed.	Le Brun born, 1618, died 1690.	Mercury in Aphelion.	1 27 21	10½ times over, how far
20	Thur.	F. Stone Toronto Exch. laid, 1855	Sun enters Pisces.	1 27 21	will a spike in the tire
21	Friday	<i>Good Friday.</i>	20th.—Moon in apogee.	1 27 22	move, and what space
22	Satur.	Goethe died, 1832.	Moon near Mars.	1 27 22	will it enclose at each
23	SUND.	<i>Easter Sunday.</i>	Uranus in Taurus.	1 27 22	revolution?
24	Mond.	Earl of Chesterfield died, 1773.	Venus in Aquarius.	1 27 22	
25	Tuesd.	<i>Lady Day.</i>		1 27 23	PROB. 20.—If a circle
26	Wed.	Duko of Cambridge born, 1819.	Venus South, 10.16 mo.	1 27 23	2 feet in diameter revolve
27	Thur.	Gunpowder introduced, 1380.		1 27 23	around a line tangent to
28	Friday	Canada ceded to France, 1632.		1 27 23	its circumference, what
29	Satur.	Siege of Acre, 1799.	Moon farthest South.	1 27 24	will be the surface and
30	SUND.	<i>1st Sunday after Easter.</i>	♄ near Neptune.	1 27 24	solidity of the body pro-
31	Mond.	Beethoven died 1827	Venus South 10.19 mo.	1 27 25	duced?

ANSWERS TO THE PROBLEMS FOR 1855.

PROB. 18.—Let $28=a$, $30=b$, $34=c$, $50=d$, and length of pole= x ,

$$\text{Then } x = \frac{1}{d} \sqrt{\left\{ \frac{1}{3} \left(-a^2b^2 - b^2c^2 - a^2c^2 + a^4 + b^4 + c^4 + d^4 + d^2(a^2 + b^2 + c^2) \right) \right\}}$$

$$= 42.36144 \text{ feet, Ans.}$$

Let the distances from the corners to the foot of the pole be y , z , and s , then

$$y = \frac{1}{d} \sqrt{\left\{ \frac{1}{3} \left(-a^2b^2 - b^2c^2 - a^2c^2 + a^4 + b^4 + c^4 + d^4 + d^2(-2a^2 + b^2 + c^2) \right) \right\}}$$

$$= 31.7882 \text{ feet Ans.}$$

$$z = \frac{1}{d} \sqrt{\left\{ \frac{1}{3} \left(-a^2b^2 - b^2c^2 - a^2c^2 + a^4 + b^4 + c^4 + d^4 + d^2(a^2 - 2b^2 + c^2) \right) \right\}}$$

$$= 29.90804 \text{ feet, Ans.}$$

$$\text{and } s = \frac{1}{d} \sqrt{\left\{ \frac{1}{3} \left(-a^2b^2 - b^2c^2 - a^2c^2 + a^4 + b^4 + c^4 + d^4 + d^2(a^2 + b^2 - 2c^2) \right) \right\}}$$

$$= 25.2684 \text{ feet, Ans.}$$

PROB. 19.—Let $P=30$ lbs., $a=6$, and $\frac{1}{2}$ of $4=b$, then the horizontal force on the upper hinge outward, and on the lower one inward, is $=P \frac{b}{a} = 10$ lbs. The downward force is 15 on each hinge. Hence the first force is $+10$ lbs. and -10 lbs.

PROB. 20.—Sides 29, 29, 40, in one; in the other 37, 37, 24. Ans.

Note.—This we think has an indefinite number of answers; thus two triangles whose sides are 10, 10, 12, and 11.38, 11.38, 9.231 proves, according to Mr. Cowan; as also 58, 58, 80, and 74, 74, 48 according to Mr. Gahan.

PROB. 21.—Ans. 12, 15, and 20.

- New Mo
- First Qu
- Full Mo
- Last Qu
- ☾ Perigee
- ☽ Apogee

Day Mo.	Vent	South
		h
1 ...	9	5
7 ...	10	
13 ...	10	
19 ...	10	
25 ...	10	
31 ...	10	

Day of Month	Day of Week
--------------	-------------

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

PROB. 2
falls upon
Required i
PROB. 2
angled tri
their areas

ATICAL PROBLEMS.

17.—Two wheels
diameters are 48
and upright and
each other at their
they stand upon
e level, where
touch?

18.—Required
ce and solidity
d that will ex-
the largest
ole that can be
rough a globe 2
diameter.

19.—If a wheel
a diameter rolls
s over, how far
pike in the tire
nd what space
enclose at each
ou?

20.—If a circle
diameter revolve
line tangent to
ference, what
the surface and
of the body pro-

$$2+c^2)) \}$$

and s, then

$$+c^2)) \}$$

$$2)) \}$$

$$b^2-2c^2)) \}$$

the upper hinge
inward force is

triangles whose
to Mr. Cowan;

MOON'S PHASES.	D.	Toronto.		Quebec.	Twilight or Daylight begins and ends at—											
					Toronto.		Halifax.		Montreal.		Fredrien.		Quebec.			
		h	m	h m	Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End
● New Moon ...	6	3	22 ev	3 54 ev												
● First Quarter .	13	9	19 mo	9 51 mo	h	m	h	m	h	m	h	m	h	m	h	m
○ Full Moon ...	22	10	47 mo	11 20 mo	15	97 17 5	07	254	597	264	597	264	587	27		
● Last Quarter ...	29	9	14 mo	9 47 mo	10	477 364	447	374	427	384	427	394	417	40		
☾ Perigee	6	8	9 ev	8 41 ev	20	4267 494	247	514	227	534	217	544	207	55		
☾ Apogee	20	3	21 ev	3 53 ev	30	478 24	43	54	18	74	08	93	58	11		

Ephemeris of the Planets, &c.

Day Mo.	Venus South Morn.	Mars South Morn.	Jupit'r South Even.	Saturn South Even.	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. South.	Jupit'r Decl. South.	Saturn Decl. South.
	h m	h m	h m	h m	° /	h m	h m	h m	h m	h m	° /	° /	° /	° /
1 ...	9 54	2 42	0 25	6 51	341 21	22 51	20 32	13 24	23 4	5 30	18 48	5 30	7 3	22 17
7 ...	10 0	2 21	0 7	6 27	347 22	23 14	21 21	13 21	23 10	5 31	17 11	5 15	6 30	22 18
13 ...	10 5	1 53	Morn	6 53	353 21	23 36	21 31	13 17	23 15	5 21	15 16	4 49	5 56	22 20
19 ...	10 11	1 23	11 31	5 42	359 19	23 57	22 01	13 11	23 20	5 33	13 6	4 15	5 23	22 22
25 ...	10 15	0 47	11 12	5 20	5 15	0 19	22 28	13 3	23 26	5 34	10 43	3 28	4 40	22 24
31 ...	10 19	0 21	10 54	4 58	11 11	0 41	22 56	12 56	23 31	5 36	8 9	2 52	4 16	22 26

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 Evening.	Shadow at Noon Mark, Evening.		Mn's Age Noon.	Moon South, Morn.	Moon's Place at 7 P. M.	Sun's Declination South.			
		h	m	s	h	m	s	h	m	s	h	m	s	h	m	s	h	m	s		days	h					m	s	
1	Satur.	61	6	37	5	48	3	5	6	43	5	43	3	16	2	26	39	12	12	28	24	3	7	16	↑	5	7	18	36
2	SUND.	62	6	35	5	49	4	0	6	41	5	44	4	11	2	22	43	12	12	15	25	3	8	10	do.	19	6	55	40
3	Mond.	63	6	33	5	51	4	5	6	39	5	45	5	7	2	18	46	12	12	2	26	3	9	17	W	3	6	32	39
4	Tues.	64	6	32	5	52	5	39	6	38	5	46	5	47	2	14	50	12	11	49	27	3	10	17	do.	18	6	9	32
5	Wed.	65	6	30	5	53	6	11	6	37	5	47	6	18	2	10	54	12	11	35	28	3	11	15	W	3	5	46	20
6	Thur.	66	6	28	5	55	Sets	6	36	5	48	Sets			2	6	57	12	11	21	29	3	ev. 9	do.	19	5	23	4	
7	Friday	67	6	26	5	56	7	15	6	33	5	49	7	15	2	3	112	11	6	0	9	1	1	2	X	4	4	59	42
8	Satur.	68	6	25	5	57	8	33	6	32	5	50	8	35	1	59	5	12	10	51	1	9	1	53	do.	19	4	36	18
9	SUND.	69	6	23	5	59	9	52	6	30	5	52	9	57	1	55	8	12	10	36	2	9	2	44	Y	4	4	12	49
10	Mond.	70	6	21	6	0	11	10	6	27	5	53	11	17	1	51	12	10	20	3	9	3	37	do.	18	3	49	18	
11	Tues.	71	6	19	6	1	Morn	6	26	5	54	Morn			1	47	16	12	10	4	4	9	4	32	Y	2	3	25	43
12	Wed.	72	6	17	6	2		27	6	24	5	56		36	1	43	19	12	9	48	5	9	5	28	do.	15	3	2	7
13	Thur.	73	6	16	6	3	1	37	6	22	5	58	1	49	1	39	23	12	9	31	6	9	6	24	do.	28	2	38	29
14	Friday	74	6	14	6	4	2	40	6	19	5	59	2	52	1	35	27	12	9	14	7	9	7	20	II	11	2	14	49
15	Satur.	75	6	12	6	5	3	33	6	17	6	1	3	46	1	31	31	12	8	57	8	9	8	13	do.	23	1	51	8
16	SUND.	76	6	10	6	7	4	15	6	15	6	3	4	24	1	27	35	12	8	39	9	9	9	3	W	6	1	27	27
17	Mond.	77	6	8	6	8	4	49	6	13	6	4	4	57	1	23	38	12	8	22	10	9	9	49	do.	18	1	3	45
18	Tues.	78	6	6	6	9	5	16	6	12	6	5	5	22	1	19	42	12	8	4	11	9	10	33	do.	30	0	40	2
19	Wed.	79	6	5	6	10	5	38	6	10	6	6	5	43	1	15	46	12	7	46	12	9	11	44	Q	12	8	16	21
20	Thur.	80	6	3	6	11	5	58	6	8	6	8	6	0	1	11	50	12	7	28	13	9	11	53	do.	23	N	7	21
21	Friday	81	6	1	6	12	6	16	6	6	6	9	6	16	1	7	54	12	7	9	14	9	Morn	W	5		0	31	1
22	Satur.	82	5	59	6	14	Rises	6	4	6	10	Rises			1	3	58	12	6	51	15	9	0	32	do.	17	0	54	40
23	SUND.	83	5	57	6	15	8	25	6	3	11	8	28		1	0	212		6	33	16	9	1	11	do.	29	0	18	17
24	Mond.	84	5	55	6	16	9	30	6	0	6	12	9	36	0	56	5	12	6	14	17	9	1	52	do.	11	1	21	53
25	Tues.	85	5	54	6	17	10	38	5	58	6	13	10	46	0	52	9	12	5	55	18	9	2	35	do.	23	2	5	36
26	Wed.	86	5	52	6	19	11	45	5	57	6	14	11	55	0	48	13	12	5	37	19	9	3	33	do.	5		2	56
27	Thur.	87	5	50	6	20	Morn	5	55	5	15	Morn			0	44	17	12	5	18	20	9	4	13	do.	18	2	52	23
28	Friday	88	5	48	6	21		53	5	53	6	17	1	5	0	40	21	12	5	0	21	9	5	7	↑	1	3	15	48
29	Satur.	89	5	46	6	22	1	55	5	50	6	20	2	7	0	36	25	12	4	41	22	9	6	5	do.	14	3	39	8
30	SUND.	90	5	45	6	23	2	50	5	48	6	22	3	1	0	32	29	12	4	23	23	9	7	4	do.	28	4	2	25
31	Mond.	91	5	43	6	25	3	32	5	45	6	23	3	42	0	28	33	12	4	5	24	9	8	2	W	12	4	25	37

PROB. 21.—A pile driver weighs 2½ tons, and falls upon a pile with a descent of 10 feet. Required its driving force.

PROB. 22.—Required the sides of three right angled triangles, in whole numbers, such that their areas shall all be equal.

PROB. 23.—The base A B, of a triangle, is 16, and a line drawn from a point C, in the line A B, to the vertical angle D, measures 11; the diameter of the circumscribing circle is 20, and A C is to B C as A D is to B D. Hence A D and B D are required.

Day of Month	Day of Week	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	MATHEMATICAL PROBLEMS.
1	Tuesd.	All Fools' Day.	Mars brightest δ Sun.	0 / //	
2	Wed.	Mirabeau died, 1791.	Jupiter near $\delta \ 9 \ 6 \ D$	1 27 25	PROB. 24.—If a trian-
3	Thur.	Napier died 1617.	Moon δ Jupiter.	1 27 25	gle whose base is 8, and
4	Friday	(5) Goldsmith died. 1774.	Moon in Perigee.	1 27 26	other two sides 4 and 6,
5	Satur.	Canada discovered, 1499.	Venus South 10.22 mo.	1 27 26	revolve about the base,
6	SUND.	2nd Sunday after Easter.	Venus in Aphelion.	1 27 26	what will be the surface
7	Mond.	Don Pedro, Emp. Brazil abd. 1831	Moon near Uranus.	1 27 27	and solidity of the body
8	Tuesd.	Hudson's Bay Co. estab. 1672.	Mars South 11.32 ev.	1 27 27	produced?
9	Wed.	Lord Bacon died 1626.	Jupiter 27' N. of Venus.	1 27 27	PROB. 25.—If the tri-
10	Thur.	Catholic Emanelp. B. passed 1829.	Moon farthest North.	1 27 28	angle in Problem 24 re-
11	Friday	Napoleon abdicated 1814.	Venus South 10.26 mo.	1 27 28	volve about a line per-
12	Satur.	America discovered, 1492.	Venus in Aquarius.	1 27 28	pendicular to either end
13	SUND.	3rd Sunday after Easter.	Mars in Virgo.	1 27 28	of the base, what will be
14	Mond.	(13) Vaccination introduced, 1796.	Moon near Regulus.	1 27 29	the surface and solidity
15	Tuesd.	Mutiny at Spithead, 1797.	Venus South 10.28 mo.	1 27 29	of the body generated?
16	Wed.	Buffon died 1788.	Moon in Apogee.	1 27 29	PROB. 26.—If a right-
17	Thur.	Abernethy died, 1831.	Venus on equator.	1 27 30	angled triangle, whose
18	Friday	First Newspaper in America, 1704	Moon near Mars.	1 27 30	sides are 6, 8, and 10,
19	Satur.	American Revolution, 1775.	Sun enters Aries.	1 27 30	revolve about a line per-
20	SUND.	4th Sunday after Easter.	Moon eclipsed.	1 27 30	pendicular to the vertex
21	Mond.	(22) Earl Dalhousie born, 1812.	Jupiter in Aquarius.	1 27 31	at the base, what will be
22	Tuesd.	Duke of Sussex died, 1843.	Venus South 10.32 Mo.	1 27 31	the solidity and surface
23	Wed.	St. George's Day.	Mars South 10.14 ev.	1 27 31	of the solid thus gene-
24	Thur.	(23) Shakspeare b. 1564; d. 1616.	Saturn in Taurus.	1 27 32	rated?
25	Friday	(24) Oliver Cromwell born 1599.	Moon lowest.	1 27 32	PROB. 27.—If a right-
26	Satur.	Jeremy Collier died, 1726.	δ Sup. conj. sun.	1 27 32	angled triangle whose
27	SUND.	Rogation Sunday.	Uranus in Taurus.	1 27 32	base is 6 and perpendicu-
28	Mond.	(27) Battle of York, U. C., 1813.	Mercury in Ascen. node	1 27 33	lar 8, revolve about its
29	Tues.	Dr. Babington died 1833.	Mars South 9.45 ev.	1 27 33	base, what will be the
30	Wed.	Steamer Ocean-Wave burnt 1853.	Moon near Neptune.	1 27 33	surface and solidity of
					the body generated?

ANSWERS TO THE PROBLEMS FOR 1855.

PROB. 22.—Let $6=a$, $24=b$, then $\sqrt{ab}=12$ lbs. Ans.

PROB. 23.—Let $30=a$, $20=b$, $10=c$, then the side required $=2\sqrt{\frac{1}{2}(a^2+b^2+c^2 \pm \sqrt{\frac{1}{2}6(a^2b^2+b^2c^2+a^2c^2)}-3(a^4+b^4+c^4))} = 20\sqrt{7}=52.9150262$ rods.

The area $=\frac{1}{2}\sqrt{(3)(a^2+b^2+c^2 \pm \sqrt{\frac{1}{2}6(a^2b^2+b^2c^2+a^2c^2)}-3(a^4+b^4+c^4))} = 700\sqrt{(3)} = (7.57772225$ acres, Ans.

PROB. 24.—Let x =the seconds, the second body had fallen when it overtakes the other; then $(x+2)^2(16 \ 1-12\text{th})=x^2(16 \ 1-12)+100$, whence $x=\frac{107}{193}=.5544$ of a second, Ans.

PROB. 25.—Let x =the radius of the garden, and $p=3.1416$, then $(2x^2p^3+6)+(x^2p^3+2)=43560$ square feet.

Hence $2x$ =Diameter=82.11796 feet, Ans. and

xp =the rope=128.9908915 Ans.

Note.—This question involves the quadrature of the involute of a circle, which we cannot explain here. We have had but one solution of this, and but two of No. 19, and we believe but one to No. 26 of the Probs.

PROB. 26.—The sag= $p(1-\cos. a)=26.68$ feet, Ans.

In this formula, p =the tension or pressure at the lowest point of the rope, which takes the form of the *catenary curve*, and a =the angle of inclination, of lowest point, with the fixed point. To find a , we have, Hyperbol. log. $(0.43429)(80) \div 100=0.347432=a \times \log. (\{1+\sqrt{(a^2+1)}\}+a)$, in which we find by a few trials that $a=.67$, and this corresponds to the Nat. Cot of $50^\circ 10'$.

Again $p=100+(2 \sin a)$,=60.24, and $1-\cos a=.443221$. Hence $p(1-\cos a)=26.68$ feet, Ans.

Moon's Pha

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

Day Mo.	Venus South Morn.
1 ...	10 20
7 ...	10 24
13 ...	10 27
19 ...	10 30
25 ...	10 34
30 ...	10 37

Day of Month	Day of Week	Day of Year
1	Tuesd.	92
2	Wed.	93
3	Thurs.	94
4	Friday	95
5	Satur.	96
6	SUND.	97
7	Mond.	98
8	Tuesd.	99
9	Wed.	100
10	Thur.	101
11	Friday	102
12	Satur.	103
13	SUND.	104
14	Mond.	105
15	Tuesd.	106
16	Wed.	107
17	Thur.	108
18	Friday	109
19	Satur.	110
20	SUND.	111
21	Mond.	112
22	Tuesd.	113
23	Wed.	114
24	Thurs.	115
25	Friday	116
26	Satur.	117
27	SUND.	118
28	Mond.	119
29	Tuesd.	120
30	Wed.	121

PROB. 28. uniform this against a ve to the horiz ascends it 4 the top, and PROB. 29.

MOON'S PHASES.	D.	Toronto.	Quebec.	Twilight or Daylight begins and ends at—											
				Toronto.			Halifax.			Montreal.			Fredric'n.		
				Beg.	End	Days.	Beg.	End	Days.	Beg.	End	Days.	Beg.	End	Days.
		<i>h m</i>	<i>h m</i>	A. M.	P. M.		A. M.	P. M.		A. M.	P. M.		A. M.	P. M.	
☾ New Moon	5	0 35 mo	1 8 mo												
☾ First Quarter ...	11	11 35 ev	0 7 ev	<i>h m h m</i>	<i>h m h m</i>		<i>h m h m</i>	<i>h m h m</i>		<i>h m h m</i>	<i>h m h m</i>		<i>h m h m</i>	<i>h m h m</i>	
☾ Full Moon	20	3 56 mo	4 29 mo	1 14	1 8	0 3	57 8	9 3	56 8	11 3	55 8	13 3	32 8	12	
☾ Last Quarter ...	27	6 9 ev	6 41 ev	10 3	42 8	20 3	39 3	23 3	36 8	27 3	34 8	29 3	31 8	30	
☾ Perigee	4	7 21 mo	4 53 mo	20 3	21 8	36 3	17 3	40 3	19 8	39 3	10 8	47 3	6 8	52	
☾ Apogee	16	11 27 ev	11 59 ev	30 3	0 8	54 2	1 5	59 2	2 56 8	58 2	47 9	7 2	46 9	15	

Ephemeris of the Planets, &c

Day Mo.	Venus South Morn.	Mars South Morn.	Jupit'r South Morn.	Satur'n South Even.	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. South.	Jupit'r Decl. South.	Satur'n Decl. North.
	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>° /</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>° /</i>	<i>° /</i>	<i>° /</i>	<i>° /</i>
1 ...	10 20	0 15	10 51	4 54	12 10	0 45	23 0	12 54	23 32	5 36	7 43	2 44	4 11	22 26
7 ...	10 24	Even.	10 33	4 32	18 4	1 7	23 28	12 44	23 37	5 38	5 0	1 53	3 38	22 28
13 ...	10 27	11 5	10 14	4 11	23 57	1 29	23 55	12 35	23 42	5 40	2 11	1 14	3 6	22 30
19 ...	10 30	10 34	9 55	3 50	29 49	1 51	0 22	12 28	23 47	5 42	N 40	0 41	2 35	22 32
25 ...	10 34	10 4	9 36	3 28	35 39	2 13	0 49	12 22	23 52	5 44	3 32	0 18	2 16	22 34
30 ...	10 37	9 41	9 21	3 11	40 30	2 32	1 12	12 18	23 56	5 47	5 54	0 7	1 46	22 36

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	Shadow at Noon Mark.	Mn's Age Noon.	Moon South. Morn.	Moon's Place at 7 P. M.	Sun's Declination North.				
									Evening.	Evening.	days	h m s	° ' "					
1	Tuesd.	92	5 41	6 27	4 18	5 44	6 24	4 25	0 24	37 12	3 47	25.9	8 59	♊ 27	4 48	45		
2	Wed.	93	5 39	6 28	4 37	5 43	6 25	4 42	0 20	41 12	3 29	26.9	9 53	♊ 12	5 11	47		
3	Thurs.	94	5 37	6 29	4 53	5 42	6 26	4 55	0 16	45 12	3 11	27.9	10 45	do. 27	5 34	45		
4	Friday	95	5 36	6 30	Sets	5 39	6 27	Sets	0 12	50 12	2 53	28.9	11 37	♋ 12	5 57	36		
5	Satur.	96	5 34	6 32	7 23	5 38	6 28	7 26	0 8	54 12	2 36	0.5	Ev. 29	do. 27	6 20	21		
6	SUND.	97	5 32	6 33	8 43	5 35	6 29	8 49	0 4	58 12	2 18	1.5	1 22	♋ 12	6 43	0		
7	Mond.	98	5 30	6 34	10 35	5 32	6 31	10 11	0 1	2 12	2 1	2.5	2 17	do. 26	7 5	32		
8	Tuesd.	99	5 28	6 36	11 18	5 32	6 32	11 28	Morning.	12 1 44	3.5	3 14	8 10	♋ 10	7 27	56		
9	Wed.	100	5 26	6 37	Morn	5 30	6 34	Morn	11 53	10 12	1 28	4.5	4 13	do. 24	7 50	14		
10	Thur.	101	5 24	6 38	45	5 28	6 35	57 11	49	14 12	1 11	5.5	5 11	♌ 12	8 12	23		
11	Friday	102	5 23	6 39	1 27	5 26	6 36	1 39	11 45	19 12	0 55	6.5	6 7	do. 20	8 34	23		
12	Satur.	103	5 21	6 40	2 14	5 25	6 37	2 24	11 41	23 12	0 39	7.5	6 59	♌ 2	8 56	15		
13	SUND.	104	5 19	6 42	2 51	5 23	6 38	3 0	11 37	27 12	0 24	8.5	7 47	do. 15	9 17	58		
14	Mond.	105	5 18	6 43	3 22	5 21	6 39	3 29	11 33	31 12	0 9	9.5	8 31	do. 27	9 39	31		
15	Tuesd.	106	5 16	6 44	3 44	5 19	6 41	3 50	11 29	36 Morning.	10.5	9 13	♍ 8	10 0	55			
16	Wed.	107	5 14	6 45	4 55	5 18	6 42	4 8	11 25	40 11	59 39	11.5	9 52	do. 20	10 22	9		
17	Thur.	108	5 12	6 47	4 22	5 15	6 44	4 24	11 21	44 11	59 25	12.5	10 31	♍ 12	10 43	12		
18	Friday	109	5 11	6 48	4 39	5 13	6 45	4 39	11 17	48 11	59 11	13.5	11 10	do. 14	11 4	5		
19	Satur.	110	5 9	6 49	Rises	5 11	6 47	Rises.	11 13	53 11	58 58	14.5	11 51	do. 26	11 24	47		
20	SUND.	111	5 7	6 50	7 21	5 10	6 48	7 27	11 9	57 11	58 45	15.5	Morn	♍ 8	11 45	18		
21	Mond.	112	5 6	6 51	8 28	5 8	6 50	8 36	11 6	21 58	32	16.5	0 34	do. 20	12 5	37		
22	Tuesd.	113	5 4	6 53	9 36	5 6	6 51	9 46	10 2	6 11	58 20	17.5	1 20	♍ 12	12 25	45		
23	Wed.	114	5 3	6 54	10 46	5 4	6 52	10 58	10 58	10 11	58 9	18.5	2 9	do. 15	12 45	40		
24	Thurs.	115	5 1	6 55	11 49	5 3	6 53	Morn	10 54	15 11	57 57	19.5	3 3	do. 28	13 5	23		
25	Friday	116	4 59	6 56	Morn	5 2	6 54	1 10	50	19 11	57 47	20.5	3 59	♎ 11	13 24	53		
26	Satur.	117	4 58	6 57	45	5 0	6 56	47 10	46	24 11	57 37	21.5	4 57	do. 24	13 44	10		
27	SUND.	118	4 56	6 59	1 29	4 58	6 58	1 39	10 42	28 11	57 27	22.5	5 54	♎ 8	14 3	13		
28	Mond.	119	4 55	7 0	2 7	4 56	6 58	2 16	10 38	33 11	57 18	23.5	6 50	do. 22	14 22	3		
29	Tuesd.	120	4 53	7 1	2 38	4 55	6 59	2 44	10 34	37 11	57 9	24.5	7 43	♎ 6	14 40	39		
30	Wed.	121	4 52	7 2	3 2	4 54	7 0	3 5	10 30	41 11	57 1	25.5	8 34	do. 21	14 59	0		

PROB. 28.—A ladder 100 feet long, of uniform thickness, weighs 100 lbs., and bears against a vertical building at an angle of 60° to the horizon. If a person weighing 150 lbs. ascends it 40 feet, what will be the pressure at the top, and thrust at the bottom of it?

PROB. 29.—Each side of a pentagon is 20.

Required its circumscribed, and largest inscribed equilateral triangle.

PROB. 30.—The sides of a pentagon are 12 each. Required the greatest and least diameter, the distances of the centre from the vertices, and from the middle of each side, and the longest and shortest chord, also the area.

Day of Month.	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar distance of Pole Star.	MATHEMATICAL PROBLEMS.
1	Thur.	<i>Ascension.</i>	Moon near Jupiter.	1 27 33	PROB. 31.—How many
2	Friday	(1) Duke of Wellington b. 1760.	Moon in Perigee.	1 27 34	balls in a pile whose base
3	Satur.	Clocks introduced in 1358.	☿ near Mercury.	1 27 34	is square, with 20 on
4	SUND.	<i>1st Sunday after Ascension.</i>	Moon near ☿	1 27 34	each side?
5	Mond.	Napoleon died, 1821.	Moon near Mercury.	1 27 34	PROB. 32.—If a square
6	Tuesd.	Oswego taken, 1814.	☿ crosses the colure.	1 27 34	whose sides are 4 feet,
7	Wed.	Jamaica taken by England, 1655.	Moon near Saturn.	1 27 34	revolve about one of its
8	Thur.	Ice stationary at Quebec, 1836.	Moon highest.	1 27 35	sides, what will be the
9	Friday	Columbus's fourth Voyage.	Mars South 9.1 even.	1 27 35	surface and solidity of
10	Satur.	Battle of Lodi, 1796.	Venus South 10.43 mo.	1 27 35	the body generated?
11	SUND.	<i>Whit Sunday.</i>	☿ ☿ sun.	1 27 36	PROB. 33.—If a semi-
12	Mond.	Perceval assassinated, 1812.	Moon east of Regulus.	1 27 36	circle, whose radius is 1,
13	Tuesd.	Old May Day.	Mars south, 8.45 eve.	1 27 36	revolve about its base,
14	Wed.	Henry Grattan died, 1820.	Mars stat. ☾ apogee.	1 27 36	what will be the surface
15	Thur.	Cuvier died, 1832.	Moon near Mars.	1 27 36	and solidity of the body
16	Friday	Talleyrand died, 1833.	Mars South 8.33 even.	1 27 37	generated.
17	Satur.	Jenner born, 1749.	Venus in Pisces.	1 27 37	PROB. 34.—If a seg-
18	SUND.	<i>Trinity Sunday.</i>	Mars in Virgo.	1 27 37	ment of a circle, whose
19	Mond.	Sir Charles Bagot died, 1843.	Jupiter in Pisces.	1 27 37	base is 4, and height 1,
20	Tuesd.	Columbus died 1506.	Sun enters Taurus.	1 27 37	revolve about its base,
21	Wed.	Riots at Montreal, 1832.	Saturn in Taurus.	1 27 37	what will be the surface
22	Thur.	Alexander Pope born, 1688.	Moon farthest South.	1 27 37	and solidity of the body
23	Friday	Dr. Paley died, 1805.	☿ crosses equator.	1 27 38	generated?
24	Satur.	Queen Victoria born, 1819.		1 27 38	PROB. 35.—If a semi-
25	SUND.	<i>1st Sunday after Trinity.</i>	☿ Gr. Elong. E. 22°57'	1 27 38	circle whose radius is 1,
26	Mond.	St. Augustin, Archb. Canterb. d.	Venus near ☿ (☿ 47'S.)	1 27 38	revolve around a line
27	Tuesd.	Fort George taken, 1814.	Moon near Jupiter..	1 27 38	tangent to the middle of
28	Wed.	William Pitt born, 1756.	Uranus in Taurus.	1 27 38	its arc, what will be the
29	Thur.	(30) Jean of Arc burnt, 1431.	Moon in Perigee.	1 27 39	surface and solidity of
30	Friday	Sir P. Maitland died, 1854.	Mars South 7.40 eve.	1 27 39	the body generated?
31	Satur.	Alexander Cruden born, 1700.			

ANSWERS TO THE PROBLEMS FOR 1855.

PROB. 27.—Area of a transverse section of the ring = 0.12526953 (nearly = $1 \div 80$): distance of the centre of gravity of that section from the base of it = $1000 \div 24352 = 0.04106$; to this add the radius of the ring = $(7 \div 20) = .35$, and we have .39106. Twice this = .78212, and then multiply by $3.1416 = 2.4671$, and this multiplied by the sectional area $0.12526953 = 0.03084$ solid inches, Ans.

Note.—This is worked by the Centrobaryc Method, and the external surface is supposed to be *convex* of course, as all *wedding rings* are, we suppose. Most of our correspondents have worked this supposing it to have *two* flat surfaces.

PROB. 28.—Let the mean radius of the Earth = 20887680 feet = a , and 5 miles = 26,400 ft = b . $16 \frac{1}{2} = m$. Then $\sqrt{(2am)} = 25920.783$, = the velocity the ball must have, if discharged at the surface of the earth, with which velocity its centrifugal force just balances the centripetal. But gravity acts with *less* power above the surface, hence $25920.783 \sqrt{(a \div a + b)} = 25904.1936$ feet, Ans.

Note.—The velocity a body would acquire in falling $(7912 + 10)$ miles is that which answers our purpose. But the action of gravity at the commencement of motion will be less than $16 \frac{1}{2}$ per second. It will be = $16 \frac{1}{2} (3956 \div 3961)^2 = 16.0428$ —feet.

PROB. 29.—Let $4 = a$, $b = 2$. Then $\sqrt{(a^3 + b^3)}^3 = 8.35864$ feet Ans.

PROB. 30.—Let 100 rods = a feet, and $1 = b$, then $a^2 \div b = 2722500$ feet = $515 \frac{1}{2}$ miles, Ans.

Note.—This question requires the rectification of the line called the involute of a circle.

PROB. 31.—Ans. 59.

Note.—This may be worked by Indeterminate Analysis, or by the least common multiple.

MOON'S PHA

● New Moon
● First Quarter
○ Full Moon
● Last Quarter
☾ Perigee
☾ Apogee

Day Mo. Year
South
Month

1	...	10	3
7	...	10	4
13	...	10	4
19	...	10	5
25	...	10	5
31	...	11	

Day of Week.

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

PROB. 30.
vertices of
opposite, a
sides of the
PROB. 37.
56°, and 4

MOON'S PHASES.	D.	Toronto.	Quebec.	Twilight or Daylight begins or ends at—											
				Day.	Toronto.		Halifax.		Montreal.		Fredricton.		Quebec.		
					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.	
☾ New Moon...	4	9 25 mo	9 57 mo												
☾ First Quarter	11	3 28 ev	4 0 ev		h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	
☾ Full Moon...	19	6 39 ev	7 11 ev	12 57	8 54	2 52	9 12	4 46	9 52	4 49	9 9	2 33	9 14		
☾ Last Quarter	27	0 16 mo	0 49 mo	16 2	40	9 12	2 40	9 12	2 27	9 25	2 24	9 21	2 17	9 35	
☾ Perigee	2	1 21 ev	1 53 ev	20 2	22	9 30	2 14	9 38	2 6	9 46	2 1	9 51	1 54	9 59	
☾ Apogee	14	2 27 ev	2 59 ev	30 1	8	9 48	1 58	9 56	1 49	10 6	1 41	10 13	1 33	10 22	

Ephemeris of the Planets, &c.

Day Mo.	Venus South Morn.	Mars South Even.	Jupit'r South Morn.	Satur'n South Even.	Sun's Longi-tude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupit'r Right Ascen.	Satur'n Right Ascen.	Venus Decl. North.	Mars Decl. South.	Jupit'r Decl. South.	Satur'n Decl. North.
	h m	h m	h m	h m	° ' "	h m	h m	h m	h m	h m	° ' "	° ' "	° ' "	° ' "
1 ...	10 37	9 36	9 18	3 7	41 29	2 36	1 16	12 17	23 51	5 47	6 22	0 5	1 31	22 36
7 ...	10 41	9 10	8 58	2 47	47 17	2 59	1 44	12 14	0 2	5 48	9 8	0 3	1 3	22 38
13 ...	10 45	8 45	8 39	2 26	53 4	3 23	2 11	12 13	0 6	5 53	11 46	0 11	0 36	22 39
19 ...	10 50	8 22	8 20	2 5	58 51	3 46	2 40	12 13	0 10	5 56	14 15	0 31	8 10	22 40
25 ...	10 55	8 0	8 0	1 45	64 37	4 11	3 9	12 16	0 14	5 59	16 31	0 59	N 13	22 41
31 ...	11 1	7 40	7 40	1 25	70 22	4 35	3 38	12 19	0 17	6 2	18 33	1 36	0 36	22 42

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.	Mn's Age Noon.	Moon South 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	h m	h m	h m	h m	° ' "	° ' "	° ' "	° ' "	° ' "
1	Thur.	122	4 50	7 4	3 25	4 53	7 1	3 26	10 26	46 11	56 54	26.5	9 24	☾	6 15	17 7		
2	Friday	123	4 49	7 5	3 48	4 51	7 3	3 47	10 22	51 11	56 47	27.5	10 14	☾	20 15	34 59		
3	Satur.	124	4 47	6 4	4 12	4 49	7 5	4 9	10 18	55 11	56 41	28.5	11 6	☾	5 15	52 35		
4	SUND.	125	4 46	7	4 39	4 48	6	4 10	15	0 11	56 35	0 11	2	do.	20 16	9 55		
5	Mond.	126	4 45	7 8	5 3	4 53	7 9	3 10	11	4 11	56 36	1.1	Ev. 57	☾	4 16	27 0		
6	Tuesd.	127	4 43	9 10	7 4	4 57	9 10	18	7	9 11	56 25	2.1	1 56	do.	18 16	43 48		
7	Wed.	128	4 42	11 11	12	4 43	9 11	24	10	3 13	56 21	3.1	2 56	☾	2 17	0 20		
8	Thur.	129	4 41	12	Morn	4 42	10	Morn	9 59	18 11	56 17	4.1	3 54	do.	15 17	16 34		
9	Friday	130	4 39	13	6 4	4 40	12	17	9 55	22 11	56 14	5.1	4 50	do.	28 17	32 31		
10	Satur.	131	4 38	14	48	4 39	13	58	9 51	27 11	56 12	6.1	5 40	☾	11 17	48 10		
11	SUND.	132	4 37	16	1 22	4 37	15	1 31	9 47	32 11	56 10	7.1	6 27	do.	23 18	3 32		
12	Mond.	133	4 36	17	1 47	4 36	16	1 54	9 43	37 11	56 9	8.1	7 10	☾	5 18	18 35		
13	Tuesd.	134	4 35	18	2 9	4 34	18	2 13	9 39	41 11	56 8	9.1	7 50	do.	17 18	33 19		
14	Wed.	135	4 34	19	2 28	4 33	19	2 30	9 35	46 11	56 8	10.1	8 29	do.	29 18	47 45		
15	Thur.	136	4 32	20	2 44	4 32	20	2 44	9 31	50 11	56 8	11.1	9 8	☾	10 19	1 52		
16	Friday	137	4 31	21	3 2	4 31	21	3 0	9 27	50 11	56 9	12.1	9 48	do.	22 19	15 40		
17	Satur.	138	4 30	22	3 20	4 30	22	3 17	9 24	0 11	56 10	13.1	10 30	☾	4 19	29 7		
18	SUND.	139	4 29	23	3 41	4 29	23	3 36	9 20	5 11	56 12	14.1	11 15	do.	17 19	42 16		
19	Mond.	140	4 28	24	Rises	4 28	24	Rises	9 16	9 11	56 15	15.1	Morn	do.	29 19	55 4		
20	Tuesd.	141	4 27	25	8 35	4 27	25	8 45	9 12	14 11	56 18	16.1	0 4	☾	12 20	7 32		
21	Wed.	142	4 26	26	9 43	4 26	26	9 55	9 8	19 11	56 22	17.1	0 57	do.	25 20	19 39		
22	Thur.	143	4 25	27	10 41	4 25	27	10 53	9 4	24 11	56 26	18.1	1 54	☾	8 20	31 25		
23	Friday	144	4 25	28	11 31	4 24	28	11 41	9 0	28 11	56 30	19.1	2 52	do.	21 20	42 51		
24	Satur.	145	4 24	29	Morn	4 24	30	Morn	8 56	33 11	56 36	20.1	3 50	☾	5 20	53 55		
25	SUND.	146	4 23	30	9 4	4 23	31	17	8 52	38 11	56 42	21.1	4 46	do.	19 21	4 38		
26	Mond.	147	4 22	31	41	4 22	32	47	8 48	43 11	56 48	22.1	5 39	☾	3 21	14 59		
27	Tuesd.	148	4 21	32	1 6	4 21	33	1 10	8 44	17 11	56 55	23.1	6 29	do.	17 21	24 59		
28	Wed.	149	4 21	33	1 30	4 20	34	1 32	8 40	52 11	57	24.1	7 18	☾	1 21	34 36		
29	Thur.	150	4 20	34	1 51	4 19	35	1 51	8 36	57 11	57 10	25.1	8 6	do.	16 21	43 51		
30	Friday	151	4 20	35	2 14	4 19	35	2 12	8 33	2 11	57 18	26.1	8 56	do.	30 21	52 43		
31	Satur.	152	4 19	36	2 39	4 18	36	2 34	8 29	7 11	57 26	27.1	9 47	☾	14 22	1 12		

PROB. 36.—The three lines drawn from the vertices of a triangle, perpendicular to the sides opposite, are 19, 13, and 10. Required the sides of the triangle.

PROB. 37.—The angles of a triangle are 82°, 56°, and 42°. From a point within to these

angles it is 54, 100, and 60 rods. Required the sides.

PROB. 38.—The sides of a triangular field are 60, 55, and 44 rods. Required the place of a well, within, that is equally distant from the corners.

Day of Month	Day of Week	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	MATHEMATICAL PROBLEMS.
1	SUND.	2nd Sunday after Trinity.	Moon near Venus.	1 27 39	Prob. 39.—Given to
2	Mond.	The Gordon Riots com. 1780.	Venus in Aries.	1 27 39	find x and y ; $x+y=5$,
3	Tuesd.	William Harvey died, 1657.		1 27 39	and $x^4+y^4=1241$.
4	Wed.	Kingdom of Netherlands div. 1831.	Moon farthest North.	1 27 39	Prob. 40.—How many
5	Thur.	(6) Alexander the Great b. B.C. 356	Mercury in Desc. node.	1 27 39	balls in a rectangular
6	Friday	Jeremy Bentham died, 1832.		1 27 39	pile of 50 courses, there
7	Satur.	Weber died, 1826.	Mars in Virgo.	1 27 39	being 20 balls in the top
8	SUND.	3rd Sunday after Trinity.	Mercury stationary.	1 27 39	row?
9	Mond.	(8) Mrs. Siddons died, 1831.	Saturn farthest North.	1 27 39	Prob. 41.—If a seg-
10	Tuesd.	Gavazzi Riots in Montreal, 1833.	Moon in apogee.	1 27 40	ment of a circle, whose
11	Wed.	Ben Jonson born, 1575.	Neptune 90° W. Sun.	1 27 40	base is 4, and height 1,
12	Thur.	Magna Charta signed, 1215.		1 27 40	revolve about a perpen-
13	Friday	Battle of Marengo, 1800.	Jupiter in Pisces.	1 27 40	dicular bisecting the base
14	Satur.	Battle of Naseby, 1645.		1 27 40	what will be the surface
15	SUND.	4th Sunday after Trinity.	Mars in Desc. node.	1 27 40	and solidity of the body
16	Mond.	(15) Luther excom. 1529.	Saturn near Mercury.	1 27 40	produced?
17	Tuesd.	John Wesley born, 1703.		1 27 40	Prob. 42.—If the seg-
18	Wed.	Battle of Waterloo, 1815.	Moon lowest.	1 27 40	ment in Problem 41, re-
19	Thur.	Sir Joseph Banks died, 1820.		1 27 40	volve around a line per-
20	Friday	Queen Victoria's Accession, 1837.	21st ♀ Inf. ♀ Sun.	1 27 40	pendicular to the end of
21	Satur.	Proclamation of Q. Victoria, 1837.	Sun enters Gemini.	1 27 40	the base, what will be the
22	SUND.	5th Sunday after Trinity.	Saturn in Gemini.	1 27 40	surface and solidity of
23	Mond.	Leibnitz born, 1646.	Neptune stationary.	1 27 40	the body generated?
24	Tuesd.	John Hampden died, 1643.	Saturn ♀ Sun.	1 27 40	Prob. 43.—If a figure
25	Wed.	Battle of Bannockburn, 1314.	Moon in Perigee.	1 27 40	of 6 equal sides, each of
26	Thur.	George IV. died, 1830.	25th. ♀ near Mercury.	1 27 40	which is 2 feet, revolve
27	Friday	Allan Cunningham died, 1840.		1 27 40	about one of its sides,
28	Satur.	Coronation of the Queen, 1838.	Uranus in Taurus.	1 27 40	what will be the surface
29	SUND.	6th Sunday after Trinity.	Jupiter 90° W. Sun.	1 27 40	and solidity of the body
30	Mond.	Earl of Argyll beheaded, 1685.	Moon highest.	1 27 40	generated?

ANSWERS TO THE PROBLEMS FOR 1855.

Prob. 32.—Let $15=2a$, and $66825=b$, then the numbers will be

$$=a \pm \sqrt{\left\{ \sqrt{\left(\frac{b}{10a} + \frac{4a^4}{5} \right)} - a^2 \right\}} = \frac{1}{2}(15) \pm \frac{1}{2}(3) = 9 \text{ or } 6 \text{ Ans.}$$

Prob. 33.—Let x = the required velocity. Then $(2)^4(161-12)+2x=400$. Hence $x=167\ 5\text{-}6$ ths, Ans.

Prob. 34.—5 weights, if used on both scales, viz. 1, 3, 9, 27, 81 lbs. But if used in one only 7 weights, viz. 1, 2, 4, 8, 16, 32, 37 lbs. Ans.

Note.—The most general mode of solving questions of this nature, is by the ternary scale of notation.—See "Barlow's Theory of Numbers," Chap. 10.

Prob. 25.—Let x^2+y^2 be the numbers = a cube. Now let $x=rz$, and $y=sz$, then $r^2z^2+s^2z^2=x^2+y^2$ = a cube. Put $(z^2+v^2)=r^2z^2+s^2z^2$, then $z=v^2(r^2+s^2)$, $x=rz$ (r^2+s^2), and $y=sz$ (r^2+s^2), in which r , s , and v , are any numbers we choose to make them. If $r=2$, $s=1$, and $v=10$, then $x=10$, $y=5$, and hence $x^2=100$, $y^2=25$, Ans.

Prob. 19, of 1854. By Dennis Smith, Quebec. Given $x^6y^3-x^{12}=9728$ and $x^2y^5+x^8y^2=40320$ to find x and y . Put $y=x^2r$. Then $x^{12}r^3-x^{12}=9728$, and $x^{12}r^5+x^{12}r^2=40320$. Hence $x^{12}=9728+(r^3-1)=40320+(r^5+r^2)$. Therefore $9728r^2/(r^3+1)-40320+(r^3-1)=0$. Hence $r=1.5$. Then $x^{12}=9728+(2.375)=4096$. Hence $x=2$, and $x^2r=y=6$. Ans.

Note.—This solution is the only one received, yet it is not complete, for the determination of r is not plain. Will others furnish short solutions?

GEOM. PROB. 1.—Let $8=a$, $2=b$, and $3.1416=p$. Then the surface $=bp^2(a+b)=197.392$ inches Ans.

Solidity $=\frac{1}{2}bp^2(a+b)=98.696$ cubic inches, Ans.

Moon's PHASES.

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

Day	Mo.	Vel.	Sun	Mo.
1	...		11	
7	...		11	
13	...		11	
19	...		11	
25	...		11	
30	...		11	

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

Prob. 44.—
at 12 o'clock
with a speed
earth in two
longitude will
that it is Tu

Prob. 45.—

B

ICAL PROBLEMS.

39.—Given to
 y ; $x+y=5$,
 $=1241$.

40.—How many
 a rectangular
 courses, there
 balls in the top

41.—If a seg-
 circle, whose
 and height 1,
 out a perpen-
 ecting the base
 be the surface
 ty of the body

42.—If the seg-
 problem 41, re-
 and a line per-
 r to the end of
 what will be the
 and solidity of
 generated?

43.—If a figure
 sides, each of
 2 feet, revolve
 e of its sides,
 be the surface
 ty of the body

67 5-6ths, Ans.

d in one only

ure, is by the
 p. 10.

$2x^2 + s^2 z^2 = x^2 +$
 $+ s^2$, and $y =$
 ke them. If
 Ans.

$+ x^8 y^2 = 40320$

$- x^{12} y^2 = 40320$.

$+ 3 = 197,392$

$+ 3 = 197,392$

$+ 3 = 197,392$

$+ 3 = 197,392$

$+ 3 = 197,392$

$+ 3 = 197,392$

$+ 3 = 197,392$

$+ 3 = 197,392$

$+ 3 = 197,392$

$+ 3 = 197,392$

$+ 3 = 197,392$

$+ 3 = 197,392$

$+ 3 = 197,392$

Moon's PHASES.	D.	Toronto.		Quebec.		Twilight or Daylight begins and ends at—											
						Toronto.		Halifax.		Montreal.		Fredricton.		Quebec.			
		<i>h</i>	<i>m</i>	<i>h</i>	<i>m</i>	Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End
● New Moon.	2	6	23	ev	6	51	ev										
☾ First Quar.	10	8	33	mo	9	5	mo										
○ Full Moon.	18	6	34	mo	7	7	mo	12	45	9	50	1	55	10	0	1	45
☾ Last Quar.	25	5	0	mo	5	32	mo	10	1	57	10	1	46	10	12	1	36
☾ Apogee ...	11	8	9	mo	8	41	mo	20	1	55	10	7	1	43	10	19	1
☾ Perigee ...	25	3	51	mo	4	43	mo	30	2	0	10	6	1	50	10	17	1

Ephemeris of the Planets, &c.

Day Mo.	Venus South Morn.	Mars South Even.	Jupiter South Morn.	Saturn South Even.	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. South.	Jupiter Decl. North.	Saturn Decl. North.
	<i>h</i>	<i>m</i>	<i>h</i>	<i>m</i>	<i>h</i>	<i>m</i>	<i>h</i>	<i>m</i>	<i>h</i>	<i>m</i>	<i>h</i>	<i>m</i>	<i>h</i>	<i>m</i>
1 ...	11	2	7	37	7	37	1	21	71	19	4	39	3	43
7 ...	11	9	7	19	7	17	1	1	75	9	5	4	4	14
13 ...	11	16	7	1	6	56	0	41	82	48	5	29	4	45
19 ...	11	24	6	45	6	35	0	20	88	31	5	54	5	16
25 ...	11	32	6	30	6	14	morn	94	14	6	18	5	48	12
30 ...	11	39	6	17	5	56	11	43	99	6	6	39	6	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. Morning.	Mn's Age Noon.	Moon South Morn.	Moon's Place at 7 P. M.	Sun's Declination North.				
		<i>h</i>	<i>m</i>	<i>h</i>	<i>h</i>	<i>m</i>	<i>h</i>	<i>h</i>	<i>m</i>	<i>s</i>	<i>h</i>	<i>m</i>	<i>s</i>	<i>h</i>	<i>m</i>	<i>s</i>	<i>h</i>
1	SUND.	153	4	18	7	37	3	7	1	18	7	36	2	59	8	25	11
2	MOND.	154	4	18	7	37	Sets	4	18	7	38	Sets	6	8	21	16	11
3	TUESD.	155	4	17	7	38	8	54	4	17	7	39	9	6	8	17	21
4	WED.	156	4	17	7	39	9	54	4	17	7	39	10	6	8	13	26
5	THUR.	157	4	17	7	40	10	44	4	16	7	40	10	54	8	9	31
6	FRIDAY	158	4	16	7	41	11	20	4	16	7	40	11	28	8	5	36
7	SATUR.	159	4	16	7	41	11	49	4	15	7	41	11	57	8	1	41
8	SUND.	160	4	16	7	42	Morn	4	15	7	41	Morn	7	57	7	57	45
9	MOND.	161	4	16	7	42	13	15	7	57	42	18	7	53	50	11	59
10	TUESD.	162	4	15	7	43	32	4	15	7	43	34	7	49	55	11	59
11	WED.	163	4	15	7	43	51	4	15	7	43	51	7	46	0	11	59
12	THUR.	164	4	15	7	44	1	8	4	15	7	43	1	7	7	42	5
13	FRIDAY	165	4	15	7	44	1	25	4	15	7	43	1	23	7	38	10
14	SATUR.	166	4	15	7	45	1	44	4	15	7	44	1	40	7	34	15
15	SUND.	167	4	15	7	46	2	6	4	15	7	45	1	58	7	30	20
16	MOND.	168	4	15	7	46	2	33	4	15	7	45	2	25	7	26	25
17	TUESD.	169	4	15	7	46	Rises	4	15	7	46	Rises	7	22	30	12	0
18	WED.	170	4	15	7	47	8	33	4	15	7	47	8	45	7	18	31
19	THUR.	171	4	15	7	47	9	26	4	15	7	47	9	38	7	14	39
20	FRIDAY	172	4	15	7	47	10	8	4	14	7	48	10	18	7	10	44
21	SATUR.	173	4	15	7	48	10	44	4	14	7	48	10	51	7	6	49
22	SUND.	174	4	16	7	48	11	10	4	15	7	49	11	15	7	2	54
23	MOND.	175	4	16	7	48	11	24	4	15	7	49	11	26	6	58	59
24	TUESD.	176	4	16	7	48	11	56	4	16	7	49	11	57	6	55	4
25	WED.	177	4	16	7	48	Morn	4	16	7	48	Morn	6	51	9	12	2
26	THUR.	178	4	17	7	48	18	16	4	16	7	48	16	6	47	14	12
27	FRIDAY	179	4	17	7	48	41	1	4	17	7	48	37	6	43	19	12
28	SATUR.	180	4	18	7	48	1	7	4	18	7	48	1	1	6	39	24
29	SUND.	181	4	18	7	48	1	41	4	18	7	48	1	32	6	35	29
30	MOND.	182	4	19	7	48	2	20	4	18	7	48	2	10	6	31	34

PROB. 44.—Suppose a man starts from London at 12 o'clock Monday noon, and travels westward with a speed that will carry him around the earth in twenty-four hours, where or in what longitude will the inhabitants first tell him that it is Tuesday noon?

PROB. 45.—If the diameter of the earth were

8,000 miles, and it were divested of all segments so as to render it a solid of 20 equal sides, it would have 12 similar and equal pyramidal mountains. What would be their height?

PROB. 46.—Required the smallest four figures which being divided by 2, 3, 4, 5, 6, 7, 8, and 9, will leave 1 each time.

Day of Month.	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	MATHEMATICAL PROBLEMS.
1	Tuesd.	Battle of the Nile, 1798.	☿ ☿ ♀, ♀, ☿. ♀ ☿ ☿.	1 27 40	PROB. 47.—If the figure of Problem 55, revolve about a perpendicular to its longest diagonal, what area and solidity will be produced?
2	Wed.	Pilgrin Fathers sailed, 1629.	Earth farthest Sun.	1 27 39	PROB. 48.—The sides of an equilateral are each 2 feet. If it revolve about one side, what surface and solidity will it generate?
3	Thur.	Rosseau died, 1778.	1st. Venus farthest N.	1 27 39	PROB. 49.—If the triangle in Problem 48 revolve about a line perpendicular to the end of one side, what will be the surface and solidity of the body produced.
4	Friday	American Independence, 1776.	Venus in Gemini.	1 27 39	PROB. 50.—If an ellipse whose transverse and conjugate diameters are 6 and 4 feet, revolve about its transverse axis, what will be the surface and solidity of the spheroid thus produced?
5	Satur.	Sovereigns first issued, 1817.	Uranus in Taurus.	1 27 39	PROB. 51.—Given to find x ; $x^3 - 8x^2 + 19x = 12$.
6	SUND.	7th Sunday after Trinity.	Moon in Apogee.	1 27 39	
7	Mond.	Col. Simcoe Lt. Gov. 1792.	Moon near Mars.	1 27 39	
8	Tuesd.	(7) Sheridan died, 1816.	Mars 90° E. of Sun.	1 27 39	
9	Wed.	"Queen of the West," burnt, 1855.	☿ Gr. Elong. W. (20° 27')	1 27 39	
10	Thur.	Aguerre died 1851.	Mars in Virgo	1 27 38	
11	Frid.	(10) Old Lond. Bridge burnt 1212.	Moon farthest South.	1 27 38	
12	Sat.	Battle of the Boyne, 1690.	Mercury near Saturn.	1 27 38	
13	SUND.	8th Sunday after Trinity.	Venus Conj. Sun.	1 27 38	
14	Mond.	The Bastille destroyed, 1789.	☿ near Neptune.	1 27 37	
15	Tuesd.	St. Seithun.	22nd. ☿ near Moon.	1 27 37	
16	Wed.	Detroit taken, 1812.	Sun enters Cancer.	1 27 37	
17	Thur.	Dr. Watts born, 1674.	Jupiter in Pisces.	1 27 37	
18	Friday	Petrarch died, 1374.	Venus in Ascen. node.	1 27 37	
19	Satur.	Kirk takes Quebec, 1629.	Saturn in Gemini.	1 27 36	
20	SUND.	9th Sunday after Trinity.	Venus in perihelion.	1 27 36	
21	Mond.	Union of Engl. & Scotland, 1706.	Moon highest.	1 27 36	
22	Tuesd.	Bank of B. N. A. estab. 1830.	☿ Stationary. ☿ ☿ ♀	1 27 36	
23	Wed.	Canada Union assented to, 1840.	☿ near Mercury.	1 27 36	
24	Thur.	Irish Rebellion, 1803.	Moon near Venus.	1 27 35	
25	Friday	Battle of Lundy's Lane, 1813.			
26	Satur.	Colridge died, 1834.			
27	SUND.	10th Sunday after Trinity.			
28	Mond.	Robespierre guillotined, 1794.			
29	Tuesd.	(28) Lord Durham died, 1840.			
30	Wed.	First English Newspaper, 1588.			
31	Thur.	Charles X. dethroned, 1830.			

ANSWERS TO THE EXAMPLES FOR 1855.

Ex. 1.—Let $30=a$, and $21=b$, and $x=a$ side of the required square; then $x=ab \div (a+b)=13 \frac{13}{20}$ ths. Ans.

Ex. 2.—Let $40=a$, and $3=b$, then the sides about the right angles $= \frac{1}{2}(a+b) \pm \sqrt{\frac{1}{4}(a-b)^2 - \frac{1}{4}b^2} = 15$, or 8, and hence the hypotenuse $= 17$. Ans.

Ex. 3.—Let $4=a$, $8=b$, $12=c$, then the required chord $= (\sqrt{(4c^2-a^2)b} + a\sqrt{(4c^2-b^2)}) \div \frac{1}{2c} = 11.676$. Ans.

Ex. 4.—Let $20=a$, $35=b$, $48=c$, then the radius required $= abc \div \sqrt{4a^2c^2 - (a^2 + c^2 - b^2)} = 24 \frac{1}{2}$. Ans.

Ex. 5.—Superficial area $= \frac{1}{2}\sqrt{(a+b+c)(a+c-b)(a+b-c)(b+c-a)}$, or if $2p=a+b+c$, then area $= \sqrt{p(p-a)(p-b)(p-c)}$. Ans.

Ex. 6.—Let $13=a$, $20=b$, $21=c$, then the perpendicular required $= \sqrt{(a+b+c)(a+b-c)(a-b+c)(-a+b+c)} \div 2c = 12$. Ans.

Ex. 7.—Let $25=a$, $51=b$, $52=c$, then the diameter required $= \sqrt{(-a+b+c)(a-b+c)(a+b-c)} \div \sqrt{(a+b+c)} = 19 \frac{1}{2}$. Ans.

Ex. 8.—Let $3=a$, $5=b$, and $6=c$, then diagonal required $= \sqrt{2a^2 + 2b^2 - c^2} = 4\sqrt{2} = 5.6568$ Ans.

Note.—This question was impossible as it reads. If one diagonal be 6, then the other is as above.

- ☉ New Mo.
- ☾ First Qu.
- ☽ Full Mo.
- ☾ Last Qu.
- ☉ New Mo.
- ☽ Apogee
- ☾ Perigee

Day	Mo.	Ver. Mo.
1 ...	11	h
7 ...	11	
13 ...	11	
19 ...	Ev.	
25 ...	0	
31 ...	0	

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

PROB. 52.—which being will leave 1.
PROB. 53.—is 4, 5, and the largest c

ICAL PROBLEMS.

—If the figure
a 55, revolve
pendicular to
diagonal, what
solidity will be

8.—The sides
lateral are each
If it revolve
side, what
solidity will
be?

9.—If the tri-
Problem 48
out a line per-
to the end of
that will be the
solidity of pro-
duced.

—If an ellipse
transverse and
diameters are
feet, revolve
transverse axis,
be the surface
of the spher-
produced?

11.—Given to
— $8x^2 + 19x =$

$$= ab \div (a+b) =$$

$$= \sqrt{\frac{1}{4}(a-b)^2}$$

$$\sqrt{(4c^2 - b^2)}} \div$$

$$2 + c^2 - b^2 \} =$$

$a+b+c$, then

$$+c)(a+b-c)$$

$$+c)(a-b+c)$$

$$-c^2 \} = 4\sqrt{2} =$$

be 6, then the

MOON'S PHASES.	D.	Toronto.		Quebec.		Twilight or Daylight begins and ends at—																				
						Toronto.		Halifax.		Montreal.		Fredricton.		Quebec.												
		<i>h</i>	<i>m</i>	<i>h</i>	<i>m</i>	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.											
☾ New Moon.	2	4	13 mo	4	45 mo																					
☾ First Quar.	10	2	5 mo	2	37 mo																					
☾ Full Moon.	17	4	14 ev	4	46 ev	<i>h</i>	<i>m</i>	<i>h</i>	<i>m</i>	<i>h</i>	<i>m</i>	<i>h</i>	<i>m</i>	<i>h</i>	<i>m</i>											
☾ Last Quar.	24	9	45 mo	10	17 mo	1	2	10	6	1	50	10	17	1	39	10	26	1	32	10	35	1	20	10	47	
☾ New Moon.	31	3	51 ev	4	23 ev	10	2	14	9	56	2	2	10	8	1	52	10	18	1	46	10	24	1	36	10	34
☾ Apogee ...	9	1	39 mo	2	11 mo	20	2	28	9	44	2	20	9	54	2	12	10	1	2	6	10	6	1	58	10	14
☾ Perigee ...	21	3	21 mo	3	53 mo	30	2	46	9	26	2	41	9	31	2	33	9	39	2	28	9	41	2	22	9	60

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. North.	Mars Decl. South.	Jupiter Decl. North.	Saturn Decl. North.
	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>°</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>h m</i>	<i>°</i>	<i>°</i>	<i>°</i>	<i>°</i>
1 ...	11 41	6 15	5 53	11 40	99 58	6 43	6 20 12	56	0 32	6 20 23	40	6 21	1 59	22 40
7 ...	11 49	6 1	5 31	11 20	105 41	7 8	6 53 13	6	0 33	6 23 23	26	7 32	2 8	22 39
13 ...	11 58	5 48	5 9	11 59	111 24	7 33	7 25 13	16	0 35	6 27 22	46	8 44	2 14	22 37
19 ...	Ev. 6	5 36	4 46	10 39	117 7	7 57	7 56 13	27	0 36	6 30 21	43	9 58	2 18	22 35
25 ...	0 13	5 24	4 19	10 19	122 51	8 21	8 27 13	39	0 36	6 33 20	16	11 13	2 19	22 33
31 ...	0 20	5 13	3 59	9 58	128 36	8 44	8 58 13	52	0 36	6 36 18	29	12 29	2 18	22 31

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 in Meridian Morning.	Shadow at Noon Mark. Evening.	Mn's Age Noon.	Moon South. Morn.	Moon's Place. 7 P. M.	Sun's Declination North.				
			<i>h m h m</i>	<i>h m h m</i>	<i>h m h m</i>	<i>h m h m</i>	<i>h m h m</i>	<i>h m h m</i>	<i>h m s</i>	<i>h m s</i>	<i>days</i>	<i>h m s</i>	<i>°</i>	<i>°</i>	<i>°</i>	<i>°</i>	<i>°</i>	<i>°</i>
1	Tuesd.	183	4 19	7 48	Sets	4 19	7 47	Sets	6 27 39	12 3 35	28.7	11 26	Π	5 23	5 10			
2	Wed.	184	4 20	7 48	8 33	4 20	7 47	8 45	6 23 41	12 3 46	0.3	Ev. 24	do.	19 23	0 41			
3	Thur.	185	4 20	7 47	9 16	4 21	7 47	9 26	6 19 50	12 3 58	1.3	1 20	☽	2 22	55 48			
4	Friday	186	4 21	7 47	9 48	4 21	7 47	9 55	6 15 54	12 4 8	2.3	2 11	do.	14 22	50 31			
5	Satur.	187	4 22	7 47	10 15	4 22	7 46	10 20	6 11 58	12 4 19	3.3	2 58	do.	27 22	44 50			
6	SUND.	188	4 22	7 46	10 35	4 23	7 46	10 38	6 8 32	12 4 29	4.3	3 41	☾	9 22	38 45			
7	Mond.	189	4 23	7 46	10 54	4 24	7 46	10 56	6 4 8	12 4 39	5.3	4 22	do.	21 22	32 17			
8	Tuesd.	190	4 24	7 46	11 12	4 25	7 46	11 12	6 0 13	12 4 48	6.3	5 1	☾	3 22	25 26			
9	Wed.	191	4 25	7 45	11 29	4 25	7 45	11 27	5 56 18	12 4 57	7.3	5 40	do.	15 22	18 11			
10	Thur.	192	4 25	7 45	11 47	4 25	7 45	11 44	5 52 23	12 5 5	8.3	6 20	do.	26 22	10 33			
11	Friday	193	4 26	7 44	Morn	4 26	7 44	Morn	5 48 28	12 5 13	9.3	7 2	☽	8 22	2 32			
12	Satur.	194	4 27	7 44	8 4	4 27	7 44	1	5 44 33	12 5 21	10.3	7 47	do.	21 21	54 9			
13	SUND.	195	4 28	7 43	33	4 27	7 43	24	5 40 38	12 5 28	11.3	8 37	☾	3 21	45 23			
14	Mond.	196	4 29	7 42	1 5	4 28	7 42	55	5 36 43	12 5 35	12.3	9 31	do.	16 21	36 15			
15	Tuesd.	197	4 30	7 41	1 45	4 29	7 42	1 34	5 32 48	12 5 41	13.3	10 29	do.	29 21	26 45			
16	Wed.	198	4 30	7 41	2 40	4 30	7 42	2 28	5 28 53	12 5 46	14.3	11 29	☽	13 21	16 53			
17	Thur.	199	4 31	7 40	Rises	4 31	7 41	Rises	5 24 58	12 5 51	15.3	Morn	do.	27 21	6 39			
18	Friday	200	4 32	7 39	8 42	4 32	7 40	8 51	5 21 3	12 5 56	16.3	0 29	☽	11 20	56 4			
19	Satur.	201	4 33	7 39	9 12	4 33	7 39	9 17	5 17 8	12 6 0	17.3	1 27	do.	26 20	45 8			
20	SUND.	202	4 34	7 38	9 37	4 34	7 38	9 40	5 13 13	12 6 3	18.3	2 21	☽	10 20	33 51			
21	Mond.	203	4 35	7 37	10 0	4 35	7 37	10 0	5 9 18	12 6 6	19.3	3 12	do.	24 20	22 13			
22	Tuesd.	204	4 36	7 36	10 22	4 36	7 36	10 21	5 5 22	12 6 8	20.3	4 1	☽	9 20	10 15			
23	Wed.	205	4 37	7 35	10 44	4 37	7 35	10 41	5 1 27	12 6 10	21.3	4 49	do.	23 19	57 56			
24	Thur.	206	4 38	7 34	11 10	4 38	7 34	11 5	4 57 32	12 6 11	22.3	5 38	☽	7 19	45 17			
25	Friday	207	4 39	7 33	11 41	4 39	7 33	11 33	4 53 37	12 6 12	23.3	6 29	do.	21 19	32 19			
26	Satur.	208	4 40	7 32	Morn	4 40	7 32	Morn	4 49 42	12 6 12	24.3	7 23	☽	5 19	19 1			
27	SUND.	209	4 41	7 31	17	4 41	7 31	8	4 45 47	12 6 11	25.3	8 19	do.	18 19	5 23			
28	Mond.	210	4 43	7 30	1 4	4 42	7 30	52	4 41 52	12 6 10	26.3	9 17	Π	1 18	51 27			
29	Tuesd.	211	4 44	7 28	2 0	4 43	7 29	1 47	4 37 57	12 6 9	27.3	10 15	do.	15 18	37 12			
30	Wed.	212	4 45	7 27	3 2	4 44	7 28	2 50	4 34 2	12 6 6	28.3	11 11	do.	28 18	22 38			
31	Thur.	213	4 46	7 26	Sets.	4 46	7 26	Sets.	4 30 7	12 6 4	29.3	Ev. 3	☽	10 18	7 47			

PROB. 52.—Required the smallest four figures which being divided by 2, 3, 4, 5, 6, 7, 8, 9, will leave 1, 2, 3, 4, 5, 6, 7, 8.

PROB. 53.—The base of a triangular pyramid is 4, 5, and 6 feet, and altitude 12. Required the largest cube, and largest globe, that can be

cut out of it, the cube being cut from the lower part, and the globe adjoining above.

PROB. 54.—The three lines drawn from the vertices of an equilateral triangle to a point within, are 10, 12, and 16. What are the sides of the triangle?

Day of Month	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	MATHEMATICAL PROBLEMS.
1	Friday	Lammas.	Venus in Cancer.	1 27 35	Pron. 55.—If the ellipse of Problem 50 revolve about its conjugate axis, what will be the surface and solidity of the spheroid thus produced?
2	Satur.	(1) Negro Emancipation.		1 27 35	
3	SUND.	11th Sunday after Trinity.	Mars in Libra.	1 27 35	
4	Mond.	Shelley born, 1792.		1 27 34	
5	Tuesd.	Battle of Brownston, 1812.	Moon in Apogee.	1 27 34	
6	Wed.	Transfiguration.		1 27 34	Pron. 56.—If the ellipse of Problem 57 revolve about a line perpendicular to the end of the transverse axis, what will be the surface and solidity of the body thus generated?
7	Thur.	Queen Caroline died, 1821.	Moon near Mars.	1 27 34	
8	Friday	Marshal Ney shot 1815.		1 27 34	
9	Satur.	Louis Philippe decl. King, 1830.	Mercury up. ♂ Sun.	1 27 32	
10	SUND.	12th Sunday after Trinity.		1 27 32	
11	Mond.	Charleston Convent destr. 1831.	Jupiter in Pisces.	1 27 32	Pron. 57.—If the ellipse of Problem 50 revolve about a line perpendicular to the end of its conjugate axis, what will be the surface and solidity thus generated?
12	Tuesd.	George IV. born, 1762.	Moon farthest South.	1 27 32	
13	Wed.	Queen Adelaide born, 1792.	Venus near Regulus.	1 27 32	
14	Thur.	Printing Invented, 1437.		1 27 32	
15	Friday	Sir Walter Scott born, 1771.		1 27 32	
16	Satur.	Ben Johnson died, 1637.	Venus near Mercury.	1 27 31	Pron. 58.—Required the solidity of an upper conjugate segment of the spheroid of Problem 50, its height being 1 foot.
17	SUND.	13th Sunday after Trinity.	at 90° West of Sun.	1 27 31	
18	Mond.	Bentley died, 1803.	17th. Moon in Perigee.	1 27 31	
19	Tues.	Count Rumford died, 1814.	Moon near Jupiter.	1 27 31	
20	Wed.	Robert Bloomfield died, 1823.		1 27 30	
21	Thur.	(20) Treaty of Washington, 1842.	Saturn in Gemini.	1 27 30	
22	Friday	Warren Hastings died, 1818.	Sun enters Leo.	1 27 30	
23	Satur.	American War com. 1775.		1 27 29	
24	SUND.	14th Sunday after Trinity.	Venus in Leo.	1 27 29	
25	Mond.	David Hume died, 1776.	Moon Highest. ♀ ♂ Saturn.	1 27 28	
26	Tues.	Prince Albert born, 1819.		1 27 28	
27	Wed.	(28) Br. Slavery Abol. Bill, 1833.		1 27 28	
28	Thur.	Goethe died, 1749.	Uranus in Taurus.	1 27 27	
29	Friday	John Baptist, beheaded.		1 27 27	
30	Satur.	Dutch Fleet taken 1799.	Uranus stationary.	1 27 27	
31	SUND.	15th Sunday after Trinity.	Moon near Venus & ☿	1 27 27	

ANSWERS TO THE EXAMPLES FOR 1855.

Ex. 9.—Let $a=60$, $b=91$, and $c=161$ —the two sides, the three being=252.

$$\text{Then } \sqrt{\left\{a^2 + \frac{1}{2}(b \pm c \sqrt{c^2 - 4a^2 - b^2}) \div (c^2 - b^2)\right\}} = 100, \text{ or } 61. \text{ Ans.}$$

Ex. 10.—Let a, b, c , be the numbers 17, 25, 28, then the distance of the point from the corners = $abc \div \sqrt{\{(a+b+c)(b-a+c)(a-b+c)(a-b-c)\}} = 14\frac{1}{2}$.

Ex. 11.—Let $a=13$, $b=20$, $c=21$, $r=4$ 2-3rds, then the radius of circumscribed circle = $abc \div 2r(a+b+c) = 10$ 5-6ths. Ans.

Ex. 12.—Let $109=a$, $302=2b$, then the sides required = $\frac{1}{2}\{b \pm \sqrt{(2a^2 - b^2)}\} = 91$ or 60. Ans.

Ex. 13.—Let $100=r$, then the sides of the octagon required = $r\sqrt{(2-\sqrt{2})} = 76.536$. Ans.

Ex. 14.—Let $100=a$. The side of the pentagon required = $\frac{1}{2}a\sqrt{(10-2\sqrt{5})} = 117.558$. Ans.

Ex. 15.—Let $100=a$, then the side of decagon required = $\frac{1}{2}a(\sqrt{5}-1) = 61.8034$. Ans.

Ex. 16.—Let $100=a$. Side of triangle = $a\sqrt{3} = 173.205$. Ans.

Ex. 17.—Let $60=a$, $b=15$, $c=34$ 17-30ths; then the base = $2b\sqrt{(2ac-4bc-b^2) \div (a-2b)} = 43$.

The sum of the other sides = $2(a-b)\sqrt{(2ac-4bc-b^2) \div (a-2b)} = 129$. Their product = $2ac$, from which it is found that the sides required = 68, and 61. Ans.

Ex. 18.—Let $4\sqrt{3}=a$, then the diameter of the required circle = $2\sqrt{(a\sqrt{3})} = 6.928$. Ans.

Note.—In this case the vertex of the triangle is supposed to lay in the middle point of the arc. If the entire base of the semi-circle be the base of the triangle, then it = $2\sqrt{\left\{\frac{a}{3}\sqrt{3}\right\}} = 4$. Ans.

☉ First
○ Full M
● Last O
● New M
☾ Apoge
☾ Perige

Day Mo.	VS	VS
1	...	0
7	...	0
13	...	0
19	...	0
25	...	0
31	...	0

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

Prob. 59
lons of win
then it is fi
quantity of
four times
draught, w

MOON'S PHASES.	D.	Toronto.	Quebec.	Twilight or Daylight begins and ends at—															
				Days.	Toronto.		Halifax.		Montreal.		Fredericton.		Quebec.						
					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.			
☾ First Quarter ...	8	7 5 ev	7 37 ev																
☉ Full Moon	16	0 38 mo	1 10 mo	h	m	h	m	h	m	h	m	h	m	h	m	h	m		
☾ Last Quarter ...	22	3 50 ev	4 23 ev	12	49	23	43	9 29	2 36	9 36	2 32	9 39	2 29	9 43					
☾ New Moon	30	5 57 mo	6 29 mo	10	3	6 9	4 3	0 9	16	2 55	9 15	2 51	9 18	2 47	9 23				
☾ Apogee	5	7 21 ev	7 53 ev	20	3	22	8 43	3 18	8 43	14	52	3 11	8 55	3 7	8 59				
☾ Perigee	17	9 0 ev	9 32 ev	30	3	42	8 19	3 38	8 23	3 32	8 26	3 30	8 31	3 26	8 34				

Ephemeris of the Planets, &c.

Day Mo.	Venus South. Even.	Mars South. Even.	Jupiter South. Morn.	Saturn South. Morn.	Sun's Longtude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupiter Right Ascen.	Saturn Right Ascen.	Venus Decl. North.	Mars Decl. South.	Jupiter Decl. North.	Saturn Decl. North.
	h m	h m	h m	h m	° /	h m	h m	h m	h m	h m	° /	° /	° /	° /
1 ...	0 21	5 11	3 59	9 55	129 33	8 48	9 3	13 54	0 36	6 37	18	0 12	21	2 17
7 ...	0 27	5 1	3 55	9 34	135 18	9 11	9 33	14 7	0 35	6 40	16	1 13	57	2 12
13 ...	0 32	4 51	3 31	9 13	141 4	9 34	10 2	14 20	0 35	6 43	13	36	15	2 4
19 ...	0 37	4 42	2 42	8 53	146 50	9 56	10 30	14 35	0 33	6 45	10	58	16	1 54
25 ...	0 41	4 33	2 17	8 32	152 37	10 18	10 58	14 50	0 32	6 48	8	9	17	1 42
31 ...	0 45	4 25	1 51	8 10	158 25	10 40	11 25	15 6	0 30	6 50	5	13	18	1 27

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 in Meridian Morning.	Shadow at Noon Mark. Evening.	Sun's Age, Noon.	Moon South Even.	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	s				
1	Friday	214	4	47	7	25	8	16	4	47	7	25	8	23	4	26	11	12	6	0	0	8	0	52	♊	23	17	52	37		
2	Satur.	215	4	48	7	24	8	39	4	48	7	24	8	43	4	22	16	12	5	56	1	8	1	36	♋	5	17	37	10		
3	SUND.	216	4	49	7	22	8	58	4	50	7	22	9	0	4	18	21	12	5	51	2	8	2	18	do.	17	17	21	26		
4	Mond.	217	4	50	7	21	9	16	4	51	7	21	9	17	4	14	26	12	5	46	3	8	2	58	do.	29	17	5	25		
5	Tuesd.	218	4	51	7	20	9	33	4	52	7	20	9	31	4	10	31	12	5	40	4	8	3	37	♌	11	16	49	7		
6	Wed.	219	4	53	7	19	9	51	4	54	7	18	9	48	4	6	35	12	5	34	5	8	4	16	do.	23	16	32	33		
7	Thur.	220	4	54	7	17	10	10	4	54	7	16	10	5	4	2	40	12	5	26	6	8	4	56	♍	4	16	15	43		
8	Friday	221	4	55	7	16	10	31	4	56	7	14	10	24	3	58	45	12	5	19	7	8	5	40	do.	16	15	58	37		
9	Satur.	222	4	56	7	14	11	1	4	57	7	13	10	52	3	54	50	12	5	10	8	8	6	27	do.	29	15	41	16		
10	SUND.	223	4	57	7	13	11	37	4	59	7	11	11	27	3	50	55	12	5	2	9	8	7	18	♎	11	15	23	40		
11	Mond.	224	4	58	7	12	Morn	5	0	7	10	Morn	3	47	0	12	4	52	10	8	8	14	do.	24	15	5	50				
12	Tuesd.	225	4	59	7	10		24	5	17	9		12	3	43	4	12	4	42	11	8	9	12	♏	7	14	47	45			
13	Wed.	226	5	17	9		1	24	5	27	8		1	12	3	39	9	12	4	31	12	8	10	13	do.	21	14	29	26		
14	Thur.	227	5	27	7		2	35	5	37	5		2	25	3	35	14	12	4	20	13	8	11	12	♐	5	14	10	53		
15	Friday	228	5	37	5		Rises	5	47	4	Rises				3	31	19	12	4	8	14	8	Morn	do.	20	13	52	7			
16	Satur.	229	5	47	4		7	40	5	6	7		7	44	3	27	24	12	3	56	15	8	0	8	♑	5	13	33	7		
17	SUND.	230	5	57	2		8	25	8	25	8		8	44	3	23	28	12	3	43	16	8	1	2	do.	20	13	15	55		
18	Mond.	231	5	66	1		8	26	5	9	6	59	8	25	3	19	33	12	3	30	17	8	1	53	♒	4	12	54	30		
19	Tuesd.	232	5	86	59		8	48	5	9	6	57	8	45	3	15	38	12	3	17	18	8	2	43	do.	19	12	34	53		
20	Wed.	233	5	96	57		9	14	5	10	6	56	9	49	3	11	43	12	3	2	19	8	3	33	♓	3	12	15	3		
21	Thur.	234	5	106	56		9	41	5	12	6	54	9	34	3	7	47	12	2	48	20	8	4	25	do.	18	11	55	2		
22	Friday	235	5	116	54		10	18	5	13	6	53	10	8	3	3	52	12	2	33	21	3	5	18	♈	2	11	34	49		
23	Satur.	236	5	126	53		11	0	5	14	6	50	10	49	2	59	57	12	2	17	22	8	6	14	do.	15	11	14	26		
24	SUND.	237	5	136	51		11	53	5	16	6	48	11	41	2	56	1	12	2	1	23	8	7	12	do.	28	10	53	51		
25	Mond.	238	5	146	49		Morn	5	17	6	47	Morn			2	52	6	12	1	45	24	8	8	10	♉	11	10	33	6		
26	Tuesd.	239	5	166	48		52	5	18	6	46		40		2	48	11	12	1	28	25	8	9	6	do.	24	10	12	11		
27	Wed.	240	5	176	46		1	58	5	19	6	43	1	48	2	44	15	12	1	11	26	8	9	59	♊	7	9	51	6		
28	Thur.	241	5	186	44		3	6	5	20	6	42	2	58	2	40	20	12	0	54	27	8	10	48	do.	19	9	29	51		
29	Friday	242	5	196	42		4	11	5	21	6	41	4	5	2	36	25	12	0	36	28	8	11	33	♋	2	9	8	27		
30	Satur.	243	5	206	40		Sets.	5	22	6	38	Sets.			2	32	29	12	0	18	0	2	Ev.	16	do.	14	8	46	55		
31	SUND.	244	5	216	39		7	22	5	23	6	37	7	23	2	28	34	12	0	0	1	2	0	56	do.	26	8	25	14		

Prob. 59.—From a cask containing 324 gallons of wine, a certain quantity is drawn, and then it is filled with water, and then the same quantity of the mixture is drawn, and so on for four times, filling up with water at every draught, when 81 gallons of pure wine was in

the cask. How much wine was drawn each time?

Prob. 60.—In an isosceles triangle there are inscribed 3 circles; the radius of the largest and smallest are 16 and 9. Required the size of the triangle.

Day of Month	Day of Week	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	MATHEMATICAL PROBLEMS.
1	Mond.	Cartier discovered Saguenay, 1535.	Mercury in Desc. node.	1 27 26	Prob. 61.—Required
2	Tuesd.	London burnt, 1666.	Moon in Apogee.	1 27 26	the solidity of an upper
3	Wed.	Cromwell died, 1658.	Venus in Leo.	1 27 26	transverse segment of
4	Thur.	Blake born, 1657.	Venus South, 0.47 Eve.	1 27 25	the spheroid of Prob-
5	Friday	Lord Metcalfe died, 1846.	Moon near Mars.	1 27 25	lem 50, its height being
6	Satur.	James II. died, 1701.	Uranus in Taurus.	1 27 25	2 feet.
7	SUND.	16th Sunday after Trinity.	Mars in Libra.	1 27 24	Prob. 62.—If a trans-
8	Mond.	Nativity B. V. M.	Moon farthest South.	1 27 24	verse segment of the el-
9	Tuesd.	William the Conqueror died, 1067.	Venus on Equator.	1 27 24	lipse of Problem 50, re-
10	Wed.	Mungo Park died, 1771.	Mercury in Aphelion.	1 27 23	volve about its transverse
11	Thur.	Lord Thurlow died, 1806.	Jupiter in Pisces.	1 27 23	axis, what surface and
12	Friday	Siege of Vienna, 1683.	15th Moon in Perigee.	1 27 22	solidity will it produce,
13	Satur.	Battle Quebec. Wolf killed 1759.	Moon near Jupiter.	1 27 22	the height of the segment
14	SUND.	17th Sunday after Trinity.	Venus South, 0.54 Eve.	1 27 21	being 2 feet?
15	Mond.	Malta taken 1800.	Ug near Moon.	1 27 21	Prob. 63.—Given to
16	Tuesd.	George I. landed in England, 1714.	Moon farthest North.	1 27 20	find x ;
17	Wed.	Siege of Gibraltar ended, 1782.	22nd. Moon near $\frac{1}{2}$	1 27 20	$\left\{ \frac{1}{1+x} \left(\frac{1}{1+x} \right)^{\frac{1}{2}} \right\}^{\frac{1}{2}}$
18	Thur.	Lawrence Sterne died, 1766.	Sun enters Virgo.	1 27 19	$= \frac{1}{12} \sqrt{2x}$
19	Friday	Battle of Poitiers, 1359.	22nd. $\frac{1}{2}$ Gr. Elong. E.	1 27 19	Prob. 64.—If a con-
20	Satur.	Battle of Newbury, 1643.	Moon near Regulus.	1 27 18	jugate segment of the
21	SUND.	18th Sunday after Trinity.	Saturn in Gemini.	1 27 18	ellipse of Problem 50,
22	Mond.	George III. crowned, 1761.	Jupiter $\frac{1}{2}$ Sun.	1 27 17	revolve about its con-
23	Tuesd.	Battle of Assaye, 1803.	Venus South, 1.1 Eve.	1 27 17	jugate axis, what will be
24	Wed.	(25) Porson died, 1808.	Sun eclipsed, invisible.	1 27 17	the solidity of the body
25	Thur.	Columbus's second voyage, 1492.	Moon in Apogee.	1 27 16	produced, its height be-
26	Friday	Philadelphia captured, 1777.	Moon near Venus.	1 27 16	ing 1 foot?
27	Satur.	Nelson born, 1758.			
28	SUND.	19th Sunday after Trinity.			
29	Mond.	Michaelmas.			
30	Tuesd.	Maj. Gen. Sir J. Brock. Pres. 1811			

ANSWERS TO THE EXAMPLES FOR 1855.

Ex. 19.—Let $52=2a$, $104=b$, $\sqrt{(2029)}=c$, then the sides $=\frac{1}{2}b \pm \sqrt{(a^2+c^2-\frac{1}{2}b^2)}=53$ and 51. Ans.

Ex. 20.—Let $75=a$, $61=b$, $\sqrt{(3889)}=c$, then the base $=2\sqrt{\frac{1}{2}(a^2+b^2)-c^2}=56$. Ans.

Ex. 21.—Let $194=b$, $66=a$, and $200=d$, then the one side $=\sqrt{\frac{1}{m}(a^2n+mn^2)}=81.3656$, and the other $=\sqrt{\frac{1}{n}(a^2m+nm^2)}=157.4395$.

In these formulæ, $m=\frac{1}{2}b+\frac{1}{2}\sqrt{(b^2-4r^2)}$ and $n=\frac{1}{2}b-\frac{1}{2}\sqrt{(b^2-4r^2)}$, and r =the product of the segments of the base, or $r=a\left\{\sqrt{\frac{1}{2}(a^2+dc)}-\frac{1}{2}a\right\}$, in which $c=\sqrt{\left\{\left(\frac{1}{2}(d-b)\right)^2+b\left(\frac{1}{2}(d-b)\right)+\frac{1}{2}d\right\}}=124.31$.

Ex. 22.—Let $12=a$, $7=r$, then the sum of the legs $=2r^2 \div (2r-a)=49$, and their product $=2r^2a \div (2r-a)=588$. The legs will be expressed by $r\{r \pm \sqrt{(r^2-4ra+2a^2)}\} \div (2r-a)=21$, or 28. Ans.

The hypothenuse $=2r(a-r) \div (2r-a)=35$. Ans.

Ex. 23.—Let $12=a$, then the radii of the circles required $=a(2\sqrt{3}-3)=5.568$. Ans.

Ex. 24.—Let $4=a$, then $a\left\{\frac{1}{2}(3 \pm \sqrt{5})\right\}=10.472$, or 6.472. Ans.

Note.—As the question reads, it is immaterial about the base.

Ex. 25.—Let $39=a$, $b=24$, and $8:5::m:n$, then one side $=\sqrt{b^2+(am^2 \div (m^2-n^2) \pm \sqrt{a^2m^4 \div (m^2-n^2)^2 - a^2m^2 \div (m^2-n^2) - b^2})^2}=40$. The other side $=40n \div m=25$ Ans.

- First Q
- Full M
- Last Q
- New M
- ☾ Apogee
- ☾ Perigee

Day Mo.	Ve	So
1 ...	0	0
7 ...	0	0
13 ...	0	0
19 ...	0	0
25 ...	1	1
30 ...	1	1

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.

Prob. 65.
metrical pro
squares is 1

Prob. 66.
to the corn
miles. Wha
Prob. 67.

MOON'S PHASES.	D.	Toronto.		Quebec.		Twilight or Daylight begins and ends at—											
						Toronto.		Halifax.		Montreal.		Fredrick.		Quebec.			
		h m		h m		Beg. End.		Beg. End.		Beg. End.		Beg. End.		Beg. End.			
● First Quarter ...	7	10	39 mo	11	12 mo	Days.											
● Full Moon	14	8	51 mo	9	23 mo	h	m	h	m	h	m	h	m	h	m	h	m
● Last Quarter ...	21	0	31 mo	1	3 mo	1	41 8	19 3	38 8	21 3	35 8	24 3	33 8	26 3	30 8	29	
● New Moon	28	10	31 ev	11	3 ev	19 3	55 7	58 3	52 8	13	50 8	33	48 8	53	46 8	8	
☾ Apogee	2	10	21 mo	10	53 mo	20 4	8 7	38 4	7 7	39 4	3 7	41 1	4 7	43 4	0 7	46	
☾ Perigee	15	2	33 mo	3	5 mo	30 4	21 7	19 4	20 7	20 4	18 7	21 1	18 7	22 4	17 7	23	

Ephemeris of the Planets, &c.

Day Mo.	Venus South Even.	Mars South Even.	Jup't'r South Morn.	Saturn South Morn.	Sun's Longtude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jup't'r Right Ascen.	Saturn Right Ascen.	Venus Decl. North.	Mars Decl. South.	Jup't'r Decl. North.	Saturn Decl. North.
1 ...	0 46	4 23	1 41	8 7	159 21	10 43	11 30	15 8	0 29	6 51	4 43	18 56	1 25	22 17
7 ...	0 49	4 16	1 21	7 45	165 13	11 6	11 57	15 24	0 27	6 53	8 14	20 20	0 1	8 22
13 ...	0 53	4 8	0 59	7 24	171 31	11 27	12 21	15 41	0 24	6 55	8 12	21 21	0 0	50 22
19 ...	0 56	4 2	0 28	7 2	176 55	11 49	12 51	15 58	0 21	6 57	4 29	21 54	0 31	22 10
25 ...	1 0	3 56	Even.	6 40	182 48	12 10	13 19	16 15	0 18	6 58	7 30	22 43	8 12	22 8
30 ...	1 3	3 51	11 36	6 21	187 43	12 28	13 42	16 30	0 16	6 59	9 57	23 18	8 4	22 7

[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 in Meridian Morning.	Shadow at Noon Mark.	Mn's Age Noon.	Moon South. Even.	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	days	h	m	s	°	'	''
1	Mond.	245	5	23	6	37	7	39	5	25	6	35	7	39	2	24	39	11	59	41	2	2	1	35	W	7	8	3	24
2	Tuesd.	246	5	24	6	35	7	55	5	26	6	32	7	53	2	20	43	11	59	22	3	2	2	14	do.	19	7	41	27
3	Wed.	247	5	25	6	33	8	17	5	28	6	30	8	13	2	16	48	11	59	3	4	2	2	53	do.	1	7	19	22
4	Thur.	248	5	26	6	31	8	35	5	30	6	28	8	29	2	12	53	11	58	43	5	2	3	35	do.	13	6	57	10
5	Friday	249	5	27	6	30	9	0	5	31	6	27	8	52	2	8	57	11	58	23	6	2	4	20	do.	25	6	34	53
6	Satur.	250	5	28	6	28	9	31	5	32	6	24	9	21	2	5	2	11	58	3	7	2	5	9	W	7	6	12	28
7	SUND.	251	5	30	6	26	10	13	5	33	6	23	10	0	2	1	6	11	57	43	8	2	6	1	do.	19	5	49	57
8	Mond.	252	5	31	6	24	11	6	5	34	6	22	11	54	1	57	11	11	57	23	9	2	6	57	↑	2	5	27	21
9	Tuesd.	253	5	32	6	22	Morn	5	35	6	19	12	0	1	53	15	11	57	2	10	2	7	56	do.	16	5	4	39	
10	Wed.	254	5	33	6	20	11	5	36	6	18	Morn	1	49	19	11	56	4	11	11	2	8	54	do.	29	4	41	53	
11	Thur.	255	5	34	6	19	1	26	5	37	6	15	1	16	1	45	24	11	56	20	12	2	9	51	W	13	4	19	
12	Friday	256	5	35	6	17	2	46	5	39	6	13	2	38	1	41	29	11	55	59	13	2	10	46	do.	28	3	56	
13	Satur.	257	5	37	6	15	Rises	5	40	6	12	Rises	1	37	34	11	55	38	14	2	11	39	W	13	3	33			
14	SUND.	258	5	38	6	13	6	27	5	41	6	9	6	27	1	33	38	11	55	17	15	2	Morn	do.	28	3	10		
15	Mond.	259	5	39	6	11	6	49	5	43	6	7	6	47	1	29	43	11	54	56	16	2	0	31	X	13	2	46	54
16	Tuesd.	260	5	40	6	9	7	15	5	44	6	7	7	10	1	25	47	11	54	35	17	2	1	22	do.	28	2	23	43
17	Wed.	261	5	41	6	7	7	41	5	45	6	3	7	25	1	21	51	11	54	13	18	2	2	15	W	13	2	0	29
18	Thur.	262	5	42	6	6	8	15	5	46	6	2	8	6	1	17	56	11	53	52	19	2	3	9	do.	27	1	37	13
19	Friday	263	5	44	6	4	8	57	5	48	6	0	8	45	1	14	0	11	53	31	20	2	4	6	W	12	1	13	54
20	Satur.	264	5	45	6	2	9	47	5	49	5	57	9	35	1	10	5	11	53	19	21	2	5	5	do.	25	0	50	34
21	SUND.	265	5	46	6	0	10	46	5	51	5	55	10	34	1	6	9	11	52	49	22	2	6	4	W	8	0	27	11
22	Mond.	266	5	47	5	58	11	50	5	52	5	53	11	40	1	2	13	11	52	28	23	2	7	2	do.	21	0	3	48
23	Tuesd.	267	5	48	5	56	Morn	5	52	5	52	Morn	0	58	18	11	52	7	24	2	7	56	W	4	8	19	37		
24	Wed.	268	5	49	5	54	53	5	54	5	50	45	0	54	22	11	51	47	25	2	8	46	do.	16	0	43			
25	Thur.	269	5	50	5	52	2	3	5	56	5	48	1	56	0	50	27	11	51	26	26	2	9	32	do.	29	1	6	28
26	Friday	270	5	52	5	51	3	8	5	56	5	46	3	3	0	46	31	11	51	6	27	2	10	15	W	11	1	29	53
27	Satur.	271	5	53	5	49	4	11	5	57	5	45	4	9	0	42	35	11	50	46	28	2	10	55	do.	22	1	53	18
28	SUND.	272	5	54	5	47	Sets	5	59	5	43	Sets	0	38	40	11	50	27	29	2	11	34	W	4	2	16	42		
29	Mond.	273	5	55	5	45	6	4	6	0	5	40	6	1	0	34	44	11	50	7	0	5	Ev.	13	do.	16	2	40	
30	Tuesd.	274	5	57	5	43	6	18	6	2	5	38	6	14	0	30	48	11	49	48	1	0	5	52	do.	28	3	3	27

Prob. 65.—The sum of 6 numbers in arithmetical progression is 33, and the sum of their squares is 199. Required the numbers.

Prob. 66.—From a point in a square county to the corners, are 13, 27, 21, and 31.6385 miles. What is the size of the county?

Prob. 67.—With what velocity per second

must a ball be discharged in a vertical direction, that it may never return, the earth's radius being 3956.2 miles, no resisting medium being considered?

Prob. 68.—The radius of a circle is 100; what is the radius of 15 equal circles inscribed within it, tangent to it and to each other?

Day of Month	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	MATHEMATICAL PROBLEMS.
1	Wed.	Cornellie died, 1684.	Moon near Mercury.	1 27 16	PROB. 69.—“Given $x^4 = 2x^3 + x = 132$ ” to find x .
2	Thur.	Cartier arrived at Montreal, 1535.	Venus in Libra.	1 27 15	
3	Friday	Old St. Matthew.	Venus South, 1.5 Eve.	1 27 15	PROB. 70.—If a trans-
4	Satur.	(3) Day of Algiers strangled, 1817.	Moon near Mars $\varnothing$ & $\times$	1 27 14	verse segment of the el-
5	SUND.	20th Sunday after Trinity.	Mercury Stationary.	1 27 14	lipse of Problem 50,
6	Mond.	Louis Philippe born, 1773.	Saturn 90° W. of Sun.	1 27 14	whose height is 2 feet,
7	Tuesd.	Great Fire at Miramichi, 1825.	6th. Moon lowest.	1 27 13	revolve about its base,
8	Wed.	Sheridan born, 1751.	Jupiter South, 11 Eve.	1 27 13	what will be the solidity
9	Thur.	Dutch Fleet defeated, 1797.	Mars in Scorpio.	1 27 12	of the body thus made?
10	Friday	Benjamin West born, 1783.	Venus South, 1.11 Eve.	1 27 12	PROB. 71.—If a conju-
11	Satur.	Canova died, 1822.	Moon near Neptune.	1 27 12	gate segment of the el-
12	SUND.	21st Sunday after Trinity.	Moon near Jupiter.	1 27 11	lipse of Problem 50,
13	Mond.	Battle of Queenston, 1812.	Moon perigee.	1 27 11	whose height is 1 foot,
14	Tuesd.	Battle of Hastings, 1066.	13th. Moon eclipsed.	1 27 11	revolve about its base,
15	Wed.	Murat shot, 1815.	Moon near Uranus.	1 27 10	what will be the solidity
16	Thur.	Kosciusko died, 1817.	Venus South, 1.16 Eve.	1 27 10	of the body thus pro-
17	Friday	Sir Phillip Sydney killed, 1556.	$\times$ Inf. $\varnothing$ Sun.	1 27 9	duced?
18	Satur.	Battle of Leipsic, 1813.	Moon highest.	1 27 9	PROB. 72.—If the base
19	SUND.	22nd Sunday after Trinity.	Saturn near Moon.	1 27 9	of a parabola be 6 feet,
20	Mond.	Battle of Navarino, 1827.	Jupiter South, 10.8 Ev.	1 27 8	and its height or axis 8
21	Tuesd.	Battle of Trafalgar, 1805.	$\times$ in Ascen. node.	1 27 8	feet, and it revolve about
22	Wed.	Lord Holland died, 1840.	Moon near Regulus.	1 27 8	its axis, what will be the
23	Thur.	Battle of Edgehill, 1842.	Sun enters Libra.	1 27 7	surface and solidity of
24	Friday	Edict of Nantes revoked, 1685.	Venus South, 1.24 Eve.	1 27 7	the body it will make?
25	Satur.	(26) Hogarth died, 1764.	Mercury Stationary.	1 27 6	PROB. 73.—If an hy-
26	SUND.	23rd Sunday after Trinity.	Saturn Stationary.	1 27 6	perbola, whose height is
27	Mond.	Sir Walter Raleigh born, 1618.	Moon $\varnothing$ Mercury.	1 27 6	8 feet and base 6 feet,
28	Tuesd.	Alfred the Great died, 900.	Jupiter South, 9.33 Ev.	1 27 5	revolve about its axis,
29	Wed.	Morland died, 1804.	Mars farthest South.	1 27 5	what will be the surface
30	Thur.	(29) Battle of Fort Erie.	Venus South 1.32 Eve.	1 27 5	and solidity of the body
31	Friday	All hallow Eve.	Moon near Regulus.	1 27 4	generated?

ANSWERS TO THE EXAMPLES FOR 1855.

Ex. 26.—Let $21=a$, $30=b$, and $80^\circ=A$, then the area $=\frac{1}{2}ab \sin A=310.214457$. Ans.
 Ex. 27.—Area $=\frac{1}{2} 3x^4x=\frac{1}{2}\sqrt{2(3x^4x+x^6x)}$, or $6x^4x=\sqrt{2(3x^4x+x^6x)}$. Hence dividing by x^4x we get $\sqrt{2(x^2x+3)}=6$. Squaring both sides, after transposing, we get $x^4x=\frac{1}{2}(54-36\frac{1}{2})$. Therefore $\frac{1}{2} 3x^4x=\frac{1}{2}(81-54\frac{1}{2})=2.3162328$. Ans.

Ex. 28.—Let $108=a^2$, then sides will $=\frac{1}{2}a\sqrt{6}=9\sqrt{2}$; $\frac{2}{3}a\sqrt{6}=12\sqrt{2}$; and $\frac{5}{6}a\sqrt{2}=15\sqrt{2}$. Ans.

Ex. 29.—Let $10=a$, the side $=a\sqrt{(2-\sqrt{3})}=5.17687064$. Ans.

Ex. 30.—Let $4140=\frac{1}{2}a$, $202=b$, $41=c$. The perpendicular falling upon $c=e+e$; and the third side $=\sqrt{c^2+b^2\pm 2\sqrt{(b^2c^2-a^2)}}=207$, or 205.234 . Ans.

Note.—Mr. Sheehan has furnished a formula for this problem substantially the same as the above.

Ex. 31.—Let $25=a$, $35=b$, $31=c$, $19=d$, and x =diagonal, then $x^2=\frac{1}{2}(a^2+c^2)\pm\sqrt{\frac{1}{4}(b^2d^2-\frac{1}{4}(c^2-a^2)^2)}=(37.9)^2$; and $\frac{1}{2} x^2=\frac{1}{2}(37.9)^2=718.205$ area required. Ans.

Ex. 32.—Let $20.2825=a$, and $3x$ =perp. and $4x$ =the base, then $5x$ =hypoth., and $2x$ =diameter of inscribed circle. Then $\frac{12}{7}x$ =side of inscribed square. Hence $x^2\times 3.1416=\left(\frac{12x}{7}\right)^2=a$, and $x=\sqrt{a\div(3.1416-144\div 49)}=10$. Hence $3x=30$, $4x=40$, $5x=50$. Ans.

Ex. 33.—The area enclosed by the circumferences of the two circles is intended to be understood. Ans. 12115.06, the two small segments being =765.5.

Can some one give us a literal formula for this?

- ☉ First Qu.
- ☽ Full Mo.
- ☾ Last Qu.
- ☿ New Mo.
- ♂ Perigee
- ♂ Apogee

Day	Mo.	Ven.	Sat.	Jup.	Uran.	Nept.
1	...	1	...	...	...	...
7	...	1	...	...	...	...
13	...	1	...	...	...	...
19	...	1	...	...	...	...
25	...	1	...	...	...	...
31	...	1	...	...	...	...

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

PROB. 74.
are 100, 120
divided into
the corners,
Required th
PROB. 75

ICAL PROBLEMS.

MOON'S PHASES.	D.	Toronto.		Quebec.		Twilight or Daylight begins and ends at—									
						Toronto.		Halifax.		Montreal.		Fredrick.		Quebec.	
		h	m	h	m	Beg. End	Beg. End	Beg. End	Beg. End	Beg. End	Beg. End	Beg. End	Beg. End	Beg. End	Beg. End
☾ First Quarter ...	7	0	20 mo	0	53 mo										
☾ Full Moon	13	5	42 ev	6	14 ev										
☾ Last Quarter ...	20	0	49 ev	1	22 ev	1 4	22 7	1 4	21 7	1 4	21 7	1 4	19 7	2 4	18 7
☾ New Moon	28	4	37 ev	5	10 ev	10 4	34 7	0 4	33 7	1 4	32 7	2 4	31 7	2 4	31 7
☾ Perigee	13	1	15 ev	1	47 ev	20 4	45 6	44 4	45 6	40 4	45 6	45 4	46 6	43 4	41 6
☾ Apogee	26	9	21 ev	9	53 ev	30 4	56 6	27 4	56 6	27 5	56 6	23 5	56 6	21 4	57 6

Ephemeris of the Planets, &c.

Day Mo.	Venus South Even.	Mars South Even.	Jupiter South Even.	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. South.	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 ...	1 4	3 50	11 31	6 18	188 42	12 32	13 46	16 33	0 15	6 59	10 26	23 25	0	7 22
7 ...	1 8	3 45	11 5	5 55	194 37	12 54	14 14	16 52	0 12	7 0	13 12	24 0	0	25 22
13 ...	1 13	3 40	10 38	5 32	200 33	13 16	14 43	17 11	0 9	7 1	11 5	24 26	0	42 22
19 ...	1 18	3 36	10 12	5 9	206 31	13 38	15 13	17 30	0 7	7 1	11 8	24 45	0	58 22
25 ...	1 26	3 32	9 46	4 46	212 36	14 15	43 17	49 0	5 7	2 20	17 21	54 1	1	11 22
31 ...	1 33	3 28	9 21	4 22	218 30	14 24	46 14	18 9	0 3	7 1	12 2	24 51	1	22 22

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 Sets.	Sun Rises.	Sun Sets.	Moon Sets.	True Star in Meridian Morning.	Shadow at Noon Mark.	M's Age Noon.	M's South Even.	Moon's Phase at 7 P. M.	Sun's Declination South.				
		h m	h m	h m	h m	h m	h m	h m s	h m s	days	h m	s	°	°	°	°	°
1	Wed.	275 5	58 5	41	6 40	6 45	36	6 34	0 26	52	11 49	29	2.5	1 34	☾	10	3 26 46
2	Thur.	276 5	59 5	40	7 36	5 36	35	6 55	0 22	57	11 49	10	3.5	2 17	do.	22	3 50 4
3	Friday	277 6	0 5	38	7 32	6 32	34	7 22	0 19	1	11 48	52	4.5	3 4	☾	4	4 13 18
4	Satur.	278 6	1 5	36	8 9	7 31	33	7 58	0 15	5	11 48	34	5.5	3 55	do.	16	4 36 29
5	SUND	279 6	2 5	34	8 57	8 28	32	8 45	0 11	10	11 48	16	6.5	4 48	do.	28	4 59 37
6	Mond.	280 6	4 5	32	9 55	9 27	31	9 43	0 7	14	11 47	59	7.5	5 44	☾	11	5 22 41
7	Tuesd.	281 6	5 5	30	11 36	11 25	30	10 53	Evening	11	11 47	42	8.5	6 41	do.	24	5 45 40
8	Wed.	282 6	6 5	29	Morn 6 13	5 21	Morn	11 55	26	11	11 47	25	9.5	7 37	☾	8	6 8 35
9	Thur.	283 6	7 5	27	20 6	14 5	29	11	11 51	31	11 47	9	10.5	8 31	do.	22	6 31 26
10	Friday	284 6	9 5	25	1 37	16 5	19	1 31	11 47	35	11 46	53	11.5	9 23	☾	6	6 54 10
11	Satur.	285 6	10 5	23	2 58	16 5	18	2 55	11 43	39	11 46	38	12.5	10 15	do.	21	7 16 50
12	SUND	286 6	11 5	22	4 16	18 5	16	4 16	11 39	43	11 46	24	13.5	11 6	☾	6	7 39 23
13	Mond.	287 6	12 5	20	Rises 6 11	5 13	Rises	11 35	37	11	11 46	9	14.5	11 58	do.	21	8 1 50
14	Tuesd.	288 6	14 5	18	5 38	6 11	15	5 33	11 31	53	11 45	56	15.5	Morn	☾	7	8 24 9
15	Wed.	289 6	15 5	17	6 11	6 25	14	6 3	11 27	53	11 45	43	16.5	0 59	do.	22	8 46 22
16	Thur.	290 6	16 5	15	6 49	6 24	13	6 40	11 24	6	11 45	30	17.5	1 51	☾	6	9 8 28
17	Friday	291 6	18 5	13	7 39	6 25	12	7 27	11 20	4	11 45	18	18.5	2 51	do.	21	9 30 26
18	Satur.	292 6	19 5	12	8 36	6 26	11	8 24	11 16	8	11 45	7	19.5	3 52	☾	4	9 52 15
19	SUND	293 6	20 5	10	9 40	6 27	10	9 28	11 12	12	11 44	56	20.5	4 53	do.	18	10 13 56
20	Mond.	294 6	21 5	8	10 48	6 28	9	10 38	11 8	15	11 44	46	21.5	5 50	☾	1	10 35 28
21	Tuesd.	295 6	23 5	7	11 55	6 30	8	11 48	11 4	20	11 44	37	22.5	6 42	do.	15	10 57 51
22	Wed.	296 6	24 5	5	Morn 6 31	4 58	Morn	11 0	24	11	11 44	28	23.5	7 30	do.	26	11 18 4
23	Thur.	297 6	25 5	3	5 59	6 32	4	54	10 56	28	11 44	20	24.5	8 14	☾	8	11 39 8
24	Friday	298 6	27 5	2	2 46	34	3	2	10 52	32	11 44	12	25.5	8 55	do.	23	12 0 0
25	Satur.	299 6	28 5	0	3 56	35	2	3	10 48	36	11 44	7	26.5	9 34	☾	1	12 20 42
26	SUND	300 6	29 4	59	4 56	37	1	4	10 44	40	11 44	1	27.5	10 13	do.	17	12 41 12
27	Mond.	301 6	31 4	57	5 66	39	0	5	10 40	44	11 43	56	28.5	10 52	do.	25	13 1 13
28	Tuesd.	302 6	32 4	56	Sets. 6 41	4 47	Sets	10 36	48	11	11 43	52	29.5	11 32	☾	7	13 21 37
29	Wed.	303 6	33 4	54	5 76	42	4	5	10 32	52	11 43	48	0.8	Ev. 15	do.	19	13 41 31
30	Thur.	304 6	35 4	53	5 34	44	3	25	10 28	56	11 43	55	1.8	1 1	☾	14	1 4 12
31	Friday	305 6	36 4	51	6 10	45	1	43	10 25	0	11 43	43	2.8	1 51	do.	13	14 20 39

PROB. 74.—A triangular field, whose sides are 100, 120, and 160 rods, is required to be divided into 3 equal parts, by lines drawn from the corners, and meeting at a point within. Required the lengths of said lines.

PROB. 75.—A ship sails north 7 miles per

hour, another sails east 10 miles per hour, for 5 hours; she then tacks to cut the other off, or to overtake her. How far must she sail to do it, and on what course?

PROB. 76.—Required all the integral values of x , and y , when $11x+5y=254$.

Day of Month	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	MATHEMATICAL PROBLEMS.
1	Satur.	<i>All Saints.</i>	Moon lowest.	1 27 4	Prob. 77.—If a cy-
2	SUND.	<i>24th Sunday after Trinity.</i>	♄ Gr. Elong. West.	1 27 3	loid, whose height is 5
3	Mond.	Sir Samuel Romilly died 1818.	Jupiter South, 9.8 Ev.	1 27 3	feet, revolve about its
4	Tuesd.	(2) St. Jean d' Acre taken, 1840.	Venus in Scorpio.	1 27 3	base, what surface and
5	Wed.	Battle of Inkermann, 1854.	Venus South, 1.39 Ev.	1 27 2	solidity will it generate?
6	Thur.	Princess Charlotte died, 1817.	Moon in Sagittarius.	1 27 2	Prob. 78.—What is
7	Friday	First Newspaper at Oxford, 1665.	Moon near Neptune.	1 27 2	the solidity and surface
8	Satur.	(7) Milton died, 1674.	Moon near Jupiter.	1 27 1	of a wedge, whose base
9	SUND.	<i>25th Sunday after Trinity.</i>	Saturn in Gemini.	1 27 1	is 5 feet long and 1 foot
10	Mond.	Marlin Luther born, 1483.	Jupiter South, 8.39 Ev.	1 27 1	broad, the height being
11	Tuesd.	Battle of Williamsburg, 1813.	Moon perigee.	1 27 0	2 feet and length of edge
12	Wed.	Montreal taken, 1775.	Uranus near Moon.	1 27 0	3 feet?
13	Thur.	Curran died, 1817.	Venus South, 1.51 Eve.	1 27 0	Prob. 79.—If the ruler
14	Friday	Source of Nile discov. 1770.	Uranus 180° E. of Sun.	1 26 59	of Problem 85 be sawed
15	Satur.	Great Fire in New York, 1835.	Moon near Saturn.	1 26 59	in two obliquely cross-
16	SUND.	<i>26th Sunday after Trinity.</i>	15th. Moon highest.	1 26 59	wise, making the height
17	Mond.	(16) Reubens born, 1577.	Jupiter South, 8.11 Ev.	1 26 58	of the smallest part 6
18	Tuesd.	Cardinal Woolsey died, 1530.	Venus South, 1.58 Ev.	1 26 58	inches, and nothing;
19	Wed.	Battle of Navarino, 1827.	Moon near Regulus.	1 26 58	what will be the surface
20	Thur.	Cape doubled, 1497.	Jupiter in Pisces.	1 26 57	and solidity of each part,
21	Friday	Princess Royal born, 1840.	Sun enters Scorpio.	1 26 57	and the distance around
22	Satur.	Tillotson died, 1694.	Venus farthest South.	1 26 57	the sawed part?
23	SUND.	<i>27th Sunday after Trinity.</i>	Moon in apogee.	1 26 56	Prob. 80.—If the ruler
24	Mond.	John Knox died, 1572.	Jupiter Stationary.	1 26 56	of Problem 85 be cut by a
25	Tuesd.	British evacuated N. York, 1783.	Jupiter South, 7.39 Ev.	1 26 56	plane through its side
26	Wed.	Dr. Watts died, 1748.	Moon near Mercury.	1 26 56	and end, making the
27	Thur.	Frontenac died at Quebec, 1698.	Neptune Stationary.	1 26 55	height of the smaller
28	Friday	Goldsmith born, 1713.	Mercury in Des. node.	1 26 55	body six inches, and its
29	Satur.	(30) St. Andrew's Day.	Moon furthest South.	1 26 55	base $\frac{1}{2}$ an inch wide, what
30	SUND.	<i>Advent Sunday.</i>	Moon near Venus.	1 26 44	will be the surface and
					solidity of each part?

ANSWERS TO THE EXAMPLES FOR 1855.

Ex 34.—Let $100=a$, $65=b$, $55=c$, then one line $=\frac{2}{6}\sqrt{(2b^2+2c^2-a^2)}=22.3606797$; another $=\frac{2}{6}\sqrt{(2a^2+2b^2-c^2)}=53.15$; and the other $=\frac{2}{6}\sqrt{(2a^2+2c^2-b^2)}=49.244$. Ans.

Ex. 35.—Let $50=a$, $1560=\frac{1}{2}b$, base $=x$, then $x^3+\frac{1}{2}ax^2=b^2\div 2a$; from which $x=39$, and perp. $=80$. Ans.

Will some one give us a simpler formula?

Ex. 36.—Let $100=a$, $109=b$, $c=50$, then the base $=(ab-c^2)(a+b)\div(ab+c^2)=131$ 1-67th. Ans.

Ex. 37.—Let $100=a$, diameter $=7912=2r$, then he can see $a\div 2(r+a)=25\div 2028$ of the surface. Ans.

Ex. 38.—Let $95=a$, $98=b$, $100=c$, x =base. Then $x=2a^2b\sqrt{c}\div\sqrt{(2a^4b^2c^2+2a^2b^2c^4+2a^2b^4c^2-2a^4c^4-b^4c^4)}=115.99519$. Ans.

Ex. 39.—Let $100=a^2$, then one leg $=a\sqrt{(1/(2\sqrt{5}-2))}=12.5392$; the other $=a\sqrt{(1/(2\sqrt{5}+2))}=15.9498$. Ans.

Ex. 40.—Let $2=a$, $3=b$, $5=c$, then the perpendicular $=(a+b+c)=10$; the side $=\frac{2}{3}\sqrt{3}(a+b+c)=11.547$. Ans.

Area $=\frac{1}{3}\sqrt{3}(a+b+c)^2=\frac{1}{3}(100\sqrt{3})=57.735$. Ans.

Ex. 41.—35.80737, 47.40728, and 59.41143. Ans.

Note.—Will some one find a set of formulæ for this?

Ex. 42.—One leg $=2\sqrt{(4a^2-b^2)}\div\sqrt{15}$, the other $=2\sqrt{(4b^2-a^2)}\div\sqrt{15}$, and hypotenuse $=\frac{2}{5}\sqrt{(5a^2+5b^2)}$

Ex. 43.—Let $a=18$, $b=17$, and $6:5::m:n$; then one side $=m\sqrt{(a^2-b^2)}\div\sqrt{(m^2-n^2)}=30$; the other side $=n\sqrt{(a^2-b^2)}\div\sqrt{(m^2-n^2)}=25$. Ans.

- ☉ First Qu.
 ○ Full Mo.
 ☾ Last Qu.
 ☽ New Mo.
 ☾ Perigee
 ☽ Apogee

Day Mo. Sol. Ev.

Day of Month	Day of Week.
1 ...	1
7 ...	1
13 ...	1
19 ...	2
25 ...	2
30 ...	2

Day of Month

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

Prob. 81
 $30x^4+80x^3$

Prob. 82
 88 be emp
 bottom app
 and solidity

Prob. 83

ICAL PROBLEMS.

77.—If a eye-
height is 5
lye about its
at surface and
fill it generate?
78.—What is
ty and surface
ge, whose base
ong and 1 foot
e height being
length of edge

0.—If the ruler
m 85 be sawed
bliquely cross-
king the height
allest part 6
and nothing;
be the surface
ty of each part,
istance around
part?

0.—If the ruler
n 85 be cut by a
rough its side
making the
f the smaller
inches, and its
inch wide, what
e surface and
f each part?

797; another
=49.244. Ans.
-39, and perp.

1-67th, Ans.
-2028 of the

$b^2c^4 + 2a^2b^4c^2 -$
 $(\sqrt{2(1/5-2)})$

he side= $\frac{2}{3}\sqrt{3}$

hypothenuse

$(m^2-n^2)=30$

MOON'S PHASES.	D.	Toronto.	Quebec.	Twilight or Daylight begins and ends at—															
				Days.	Toronto.		Halifax.		Montreal.		Fredric'n.		Quebec.						
					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.					
☾ First Quarter ...	5	0 5 ev	0 38 ev																
☉ Full Moon	12	3 38 ev	4 10 ev																
☾ Last Quarter ...	19	5 17 mo	5 49 mo	15	06	285	06 285	06 285	06 275	06 275	16 275	06 275	06 275	06 275	06 275	06 275	06 275	06 275	
☾ New Moon	27	10 44 mo	11 16 mo	105	106	185	106 185	76 225	116 175	5 126	16								
☾ Perigee.....	10	11 51 ev	0 23 mo	205	216	115	226 105	236 95	236 95	266 8									
☾ Apogee	23	6 15 mo	6 47 mo	305	316	75	346 45	346 45	346 45	356 3									

Ephemeris of the Planets, &c.

Day Mo.	Venus South Even.	Mars South Even.	Jupit South Even.	Satur South Morn.	Sun's Longi-tude.	Sun's Right Ascen.	Venus Right Ascen.	Mars Right Ascen.	Jupit Right Ascen.	Satur Right Ascen.	Venus Decl. South.	Mars Decl. South.	Jupit Decl. South.	Satur Decl. North.
	h m	h m	h m	h m	° /	h m	h m	h m	h m	h m	° /	° /	° /	° /
1 ...	1 34	3 27	9 17	4 18	219 30	14 28	16 19	18 12	0 3	7 122	18	25	0 1	24 22 4
7 ...	1 42	3 23	8 52	3 54	225 31	14 52	16 51	18 32	0 1	7 123	37	24 54	1 32	22 5
13 ...	1 51	3 20	8 27	3 30	231 34	15 16	17 23	18 52	0 0	7 024	32	24 45	1 37	22 7
19 ...	2 0	3 16	8 2	3 9	237 37	15 41	17 55	19 12	0 0	6 59	25	24 26	1 39	22 8
25 ...	2 8	3 12	7 39	2 41	243 41	16 7	18 28	19 32	0 0	6 58	25	24 0	1 38	22 10
30 ...	2 16	3 9	7 20	2 20	248 45	16 28	18 55	19 49	0 0	6 57	24	23 25	1 35	22 13

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 in Meridian Evening.	Shadow at Noon Morning.	Mn's Age Noon.	Moon South Even.	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	h m	s	h m	s	° /				
1	Satur.	306	6 37	4 50	6 54	6 46	4 42	6 42	10 21	3 11	43	42	3.8	2 44	♊	25	14	39 52
2	SUND.	307	6 39	4 49	7 48	6 47	4 41	7 36	10 17	7 11	43	42	4.8	3 39	♋	8	14	58 51
3	Mond.	308	6 40	4 47	8 52	6 48	4 40	8 42	10 13	11 11	43	42	5.8	4 34	♌	21	15	17 35
4	Tuesd.	309	6 41	4 46	10 4	6 49	4 39	9 55	10 9	15 11	43	44	6.8	5 29	♍	4	15	36 4
5	Wed.	310	6 43	4 45	11 19	6 51	4 37	11 11	10 5	19 11	43	46	7.8	6 22	♎	17	15	54 17
6	Thur.	311	6 44	4 44	Morn	6 53	4 35	Morn	10	1 23	11	43	49	8.8	7 13	♏	1	16 12 15
7	Friday	312	6 45	4 42	35	6 55	4 33	31	9 57	26	11	43	52	9.8	8 3	♐	15	16 29 56
8	Satur.	313	6 47	4 41	1 42	6 56	4 32	1 40	9 53	30	11	43	57	10.8	8 52	♑	30	16 47 20
9	SUND.	314	6 48	4 40	3 8	6 58	4 30	3 9	9 49	34	11	44	21	11.8	9 42	♒	15	17 4 27
10	Mond.	315	6 49	4 39	4 26	6 59	4 29	4 28	9 45	38	11	44	8	12.8	10 35	♓	30	17 21 16
11	Tuesd.	316	6 51	4 39	Rises	7 04	28	Rises	9 41	41	11	44	15	13.8	11 31	♈	15	17 37 48
12	Wed.	317	6 52	4 38	4 40	7 14	27	4 31	9 37	45	11	44	23	14.8	Morn	♉	30	17 54 1
13	Thur.	318	6 53	4 37	5 25	7 24	26	5 13	9 33	49	11	44	32	15.8	0 31	♊	14	18 9 55
14	Friday	319	6 55	4 36	6 20	7 44	25	6 8	9 29	53	11	44	41	16.8	1 34	♋	29	18 25 31
15	Satur.	320	6 56	4 35	7 23	7 64	24	7 11	9 25	56	11	44	52	17.8	2 37	♌	13	18 40 47
16	SUND.	321	6 57	4 34	8 32	7 84	22	8 22	9 22	0	11	45	3	18.8	3 37	♍	26	18 55 43
17	Mond.	322	6 59	4 33	9 41	7 94	21	9 32	9 18	4	11	45	15	19.8	4 23	♎	9	19 10 19
18	Tuesd.	323	7 04	32	10 48	7 104	20	10 42	9 14	7	11	45	28	20.8	5 24	♏	22	19 24 35
19	Wed.	324	7 14	31	11 54	7 134	19	11 49	9 10	11	11	45	42	21.8	6 10	♐	4	19 38 30
20	Thur.	325	7 34	30	Morn	7 144	18	Morn	9 6	15	11	45	57	22.8	6 53	♑	16	19 52 3
21	Friday	326	7 44	29	56	7 154	17	54	9 2	18	11	46	12	23.8	7 33	♒	28	20 5 14
22	Satur.	327	7 54	29	1 57	7 164	16	1 57	8 58	22	11	46	28	24.8	8 12	♓	10	20 18 4
23	SUND.	328	7 64	27	2 57	7 184	16	2 59	8 54	26	11	46	46	25.8	8 50	♈	22	20 30 31
24	Mond.	329	7 84	26	4 07	7 194	15	4 3	8 50	29	11	47	3	26.8	9 30	♉	3	20 42 36
25	Tuesd.	330	7 94	26	5 57	7 204	14	5 10	8 46	33	11	47	22	27.8	10 13	♊	15	20 54 17
26	Wed.	331	7 104	25	6 107	7 224	14	6 18	8 42	36	11	47	42	28.8	10 58	♋	27	21 5 35
27	Thur.	332	7 114	25	Sets.	7 234	13	Sets.	8 38	40	11	48	2	0.11	11 47	♌	10	21 16 29
28	Friday	333	7 134	24	4 50	7 244	12	4 38	8 34	43	11	48	22	1.1	Ev.39	♍	22	21 26 58
29	Satur.	334	7 144	24	5 43	7 264	12	5 31	8 30	47	11	48	44	2.1	1 34	♎	5	21 37 3
30	SUND.	335	7 154	23	6 46	7 274	11	6 34	8 26	56	11	49	6	3.1	2 30	♏	18	21 46 44

PROB. 81.—What is the 5th root of $32x^5 - 30x^4 + 80x^3 - 40x^2 + 10x - 1$?

PROB. 82.—If the the measure of Problem 88 be emptied so as to let 3 inches of the bottom appear, what will be the convex surface and solidity of the empty and filled space?

PROB. 83.—If the measure of Problem 88 be

emptied so as to show 4 inches of the bottom, what will be the solidity and entire surface of the filled and empty space, and the distance around the edge of the water?

PROB. 84.—Required the surface and solidity of a solid bounded by four equilateral triangles, each side being six feet.

Day of Month	Day of Week.	Remarkable Events.	ASTRONOMICAL NOTES.	Polar Distance of Pole Star.	MATHEMATICAL PROBLEMS.
1	Mond.	Alexander of Russia died, 1825.	Moon near Mars.	0 / //	Prob. 85.—If a round
2	Tuesd.	Bonaparte crowned, 1804.	Jupiter South, 7.12 Ev.	1 26 54	ruler, whose length is 1
3	Wed.	St. Paul's Cathedral finished, 1710	Venus in Sagittarius.	1 26 54	foot and diameter 2 in-
4	Thur.	(3) Flaxman died, 1826.	Venus South, 2.21 Ev.	1 26 54	ches be sawed in two.
5	Friday	Mozart died, 1792.	Moon near Neptune.	1 26 53	lengthwise, the saw en-
6	Satur.	(7) Sidney beheaded, 1683.	Moon near Jupiter.	1 26 53	tering $\frac{1}{2}$ an inch from the
7	SUND.	2nd Sunday in Advent.	Mars in Capricorn.	1 26 53	centre of the end, and
8	Mond.	Mary Queen of Scots born, 1542.	Mercury in Aphelion.	1 26 53	going straight through,
9	Tuesd.	Milton born, 1608.	Moon in perigee.	1 26 52	what will be the surface
10	Wed.	(9) Gay died, 1732.	9th. $\times$ Sup. ϕ . Sun.	1 26 52	and solidity of each
11	Thur.	Charles XII. killed, 1718.	Neptune 90° E. Sun.	1 26 52	part?
12	Friday	Brunel died, 1849.	Moon highest. ϕ peri.	1 26 52	Prob. 86.—If the ruler
13	Satur.	Dr. Johnson died, 1784.	Moon near Saturn.	1 26 51	of Problem 85 be cut by
14	SUND.	3rd Sunday in Advent.		1 26 51	a plane running through
15	Mond.	Earl Stanhope died, 1816.	Venus South, 2.36 Ev.	1 26 51	both ends, at $\frac{1}{2}$ an inch
16	Tuesd.	(15) St. Eustache destroyed, 1837.	Moon near Regulus.	1 26 51	from the centre of one,
17	Wed.	First L. C. Parliament, 1792.	Saturn in Gemini.	1 26 51	and $\frac{1}{4}$ of an inch from
18	Thur.	Bolivar died, 1830.	Jupiter South, 6.12 Ev.	1 26 51	the centre of the other
19	Friday	Lycho Brahe born, 1586.	Uranus in Taurus.	1 26 50	end, on opposite sides of
20	Satur.	Gray died, 1716.	Venus South, 2.41 Ev.	1 26 50	the axis, what will be the
21	SUND.	4th Sunday in Advent.	Sun enters Sagittarius.	1 26 50	solidity and convex sur-
22	Mond.	Schiller died, 1805.	21st. Moon in apogee.	1 26 50	face of each part?
23	Tuesd.	Abdication of James II. 1688.	Jupiter South, 5.54 Ev.	1 26 50	Prob. 87.—The paral-
24	Wed.	Treaty of Ghent, 1814.	Jupiter in Pisces.	1 26 49	lel sides of a trapezoid
25	Thur.	CHRISTMAS.		1 26 49	are 6 and 8 feet, and its
26	Friday	St. Stephen.	Venus South, 2.47 Ev.	1 26 49	height is 5 feet. If it
27	Satur.	Riots at Kingston Jamaica, 1841.	Moon near Mercury.	1 26 49	revolve about the per-
28	SUND.	1st Sunday after Christmas.	Mars near Venus.	1 26 49	pendicular that bisects
29	Mond.	Lord Stafford beheaded, 1689.	Jupiter South, 5.33 Ev.	1 26 49	the parallel sides, what
30	Tuesd.	Order of Jesuits established, 1535.	Moon n'r Venus & Mars	1 26 49	will be the surface and
31	Wed.	St. Sylvester.	Saturn ϕ Sun.	1 26 49	solidity of the solid thus
					made?

ANSWERS TO THE EXAMPLES FOR 1855.

Ex. 44.—Let $29=a$, 10 and 10-41ths= b ; then the sides required= $\frac{1}{2}\{b\pm\sqrt{(a^2+b^2)}\pm\text{or}\mp\sqrt{\frac{1}{4}a^2-\frac{1}{2}b^2\mp\frac{1}{2}b\sqrt{(a^2+b^2)}}\}=21\text{ or }20$. Ans.

Ex. 45.— $x=4.016698$; $y=2.825716$. Ans.

Ex. 46.—Let $10=a$, then the diameter= $1.5\text{th } a\sqrt{(50+10\sqrt{5})}=17.013$. Ans.

Ex. 47.—Let $17=2a$, then $8\frac{1}{2}=a$; and diameter of circle= $3.28976=b$. Then $4ax^2-bx^3=4ab^2$, in which the base= $x=4.27612$. The other sides= 8.19412 each, and the angles= $30^\circ32'$, and $74^\circ44'$, and $74^\circ44'$. Ans.

Note.—We think the question will allow of several answers.

Ex. 48.—Let $20=a$, $97=b$, then the legs will= $a+\frac{1}{2}b\pm\text{or}\mp\frac{1}{2}\sqrt{(b^2-4ab-4a^2)}=72\text{ or }65$. Ans.

Ex. 49.—Let $4\sqrt{3}=a$, then the side of the required inscribed triangle= $\frac{1}{2}a\sqrt{3}=6$, and of the circumscribed= $a\sqrt{3}=12$. Ans.

Ex. 50.—Let $137=a$, $111=b$, $124=c$, then the radius required= $\frac{1}{2}\sqrt{\{(b+c-a)(a-b+c)(a+b-c)\}+(a+b+c)}=35$. Ans.

Ex. 51.—Let $8=a$, $6=b$, $7=c$, $x=\text{radius required}$; then $x^3+x^2\left(\frac{ab}{2c}+\frac{ac}{2b}+\frac{bc}{2a}\right)=\frac{1}{2}abc$, from which we find $x=3.443963$. The sides are 11.01, 12.13644, and 13.31718. Ans.

Note.—Will some one favor us with full formulæ for this problem?

Ex. 52.—Let $29=a$, $b=\sqrt{29}(2\sqrt{2}-3)$, and $x=\text{one of the lines}$, and $y=\text{the other}$, then $x=\frac{1}{2}b\pm\sqrt{\{(a^2-b^2)\div(2+\sqrt{2})+\frac{1}{4}b^2\}}$ and $y=\sqrt{\{(a^2-b^2)\div(2+\sqrt{2})+\frac{1}{4}b^2\}}-\frac{1}{2}b$. Now put $m=x$, and $n=y$, then radius of circle= $\sqrt{\{m^2-(a^2+m^2-n^2)\div4a^2\}}=6$, from whence the sides are easily determined. They are 21 and 20. Ans.

- ☉ First Qu
 ○ Full Mo
 ☾ Last Qu
 ☾ New Mo
 ☾ Perigee.
 ☾ Apogee.

Day Mo.	Ven	Sou	Eve
			h
1 ...	2		
7 ...	2		
13 ...	2		
19 ...	2		
25 ...	2		
30 ...	2		

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

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

PROB. 88
 round tin-m
 10 inches;
 filled with
 until the b

ICAL PROBLEMS.

5.—If a round
se length is 1
diameter 2 in-
awed in two,
e, the saw en-
h inch from the
the end, and
ight through,
be the surface
dity of each

3.—If the ruler
n 85 be cut by
unning through
, at $\frac{1}{2}$ an inch
centre of one,
an inch from
e of the other
posite sides of
hat will be the
nd convex sur-
ch part?

7.—The paral-
of a trapezoid
8 feet, and its
5 feet. If it
bouts the per-
r that bisects
el sides, what
e surface and
the solid thus

$b^2) \pm$ or $\mp \sqrt{}$

$x^2 - bx^3 = 4ab^2$,
the angles=

72 or 65. Ans.
6, and of the

$-a) (a-b+c)$

$= \frac{1}{2} abc$, from
31718. Ans.

r, then $x = \frac{1}{2} b$
 $\} - \frac{1}{2} b$.
 $\} + 4a^2 \} = 6$,
Ans.

MOON'S PHASES.	D.	Toronto.		Quebec.		Twilight or Daylight begins and ends at—									
						Toronto.		Halifax.		Montreal.		Fredrickt.		Quebec.	
		h	m	h	m	Beg.	End	Beg.	End	Beg.	End	Beg.	End	Beg.	End
☾ First Quarter ...	4	10	9 ev	10	41 ev	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
☾ Full Moon	11	2	56 ev	3	28 ev	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
☾ Last Quarter ...	19	1	26 mo	1	59 mo	15	32	7	5	29	6	5	3	4	3
☾ New Moon	27	3	28 mo	4	0 mo	10	40	7	5	41	6	5	4	5	3
☾ Perigee.....	1	5	51 mo	6	23 mo	20	5	10	5	47	6	5	4	5	3
☾ Apogee.....	21	0	27 mo	0	59 mo	30	5	16	5	51	6	15	5	11	5

Ephemeris of the Planets, &c.

Day Mo.	Venus South Even.	Mars South Even.	Jupiter South Even.	Saturn South Even.	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. South.	Jupiter Decl. South.	Saturn Decl. North.
1 ...	2 17	3 8	7 16	2 16	249 46	16 32	19 0	19 52	0 0	6 56	24 36	22 21	1 34	22 13
7 ...	2 25	3 4	6 53	1 50	255 52	16 59	19 32	20 11	0 1	6 55	23 44	21 2	1 27	22 16
13 ...	2 33	3 0	6 31	1 25	261 58	17 25	20 3	20 31	1 2	6 53	22 27	20 10	1 17	22 18
19 ...	2 40	2 56	6 9	0 55	268 4	17 52	20 34	20 56	0 4	6 51	20 47	19 1	1 5	22 21
25 ...	2 46	2 51	5 47	0 34	274 11	18 21	21 4	21 5	0 6	6 49	18 47	17 40	0 50	22 25
30 ...	2 51	2 46	5 26	0 08	279 17	18 45	21 33	21 24	0 8	6 47	16 28	16 20	0 32	22 28

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 in Meridian Evening.		Shadow at Noon Mark.		Moon's Age Noon.		Moon South Even.		Moon's Place at 7 P. M.		Sun's Declination South.	
			h	m	s	h	m	s	h	m	s	h	m	s	h	m	s	h	m	s	h	m	s	h	m	s	h	m	s	°	'	"
			days	days	days	days	days	days	days	days	days	days	days	days	days	days	days	days	days	days	days	days	days	days	days	days	days	days	days	days	days	days
1	Mond.	336	7	16	4	25	7	53	7	28	4	10	7	46	8	22	5	11	49	29	4.1	3	25	♊	1	21	55	59				
2	Tuesd.	337	7	17	4	22	9	8	7	29	4	10	9	1	8	18	53	11	49	52	5.1	4	18	do.	14	22	4	49				
3	Wed.	338	7	18	4	22	10	23	7	30	4	10	10	18	8	15	1	11	50	16	6.1	5	9	do.	28	22	13	13				
4	Thurs.	339	7	19	4	22	11	37	7	31	4	10	11	35	8	11	4	11	50	41	7.1	5	57	♊	11	22	21	11				
5	Friday	340	7	20	4	22	Morn	7	32	4	10	Morn			8	7	8	11	51	6	8.1	6	45	do.	25	22	28	44				
6	Satur.	341	7	21	4	22		52	7	33	4	10			8	3	12	11	51	32	9.1	7	38	♋	9	22	35	49				
7	SUND.	342	7	22	4	22	2	6	33	4	10	2	8		7	59	17	11	51	58	10.1	8	22	do.	24	22	42	28				
8	Mond.	343	7	23	4	22	3	23	7	35	4	10	3	27	7	55	18	11	52	24	11.1	9	15	♋	8	22	48	41				
9	Tuesd.	344	7	24	4	21	4	41	7	36	4	10	4	48	7	51	22	11	52	51	12.1	10	11	do.	23	22	54	26				
10	Wed.	345	7	25	4	21	6	2	7	37	4	10	6	11	7	47	25	11	53	19	13.1	11	12	do.	8	22	59	44				
11	Thur.	346	7	26	4	21	Rises	7	38	4	10	Rises			7	43	29	11	53	47	14.1	Morn	do.	22	23	4	35					
12	Friday	347	7	27	4	22	5	37	7	38	4	10	4	51	7	39	32	11	54	15	15.1	0	10	♊	7	23	8	59				
13	Satur.	348	7	28	4	22	6	9	7	39	4	10	6	57	7	35	35	11	54	43	16.1	1	19	do.	21	23	12	55				
14	SUND.	349	7	28	4	22	7	21	7	40	4	10	7	12	7	31	38	11	55	12	17.1	2	18	♋	4	23	16	23				
15	Mond.	350	7	29	4	22	8	33	7	40	4	10	8	25	7	27	42	11	55	41	18.1	3	18	do.	17	23	19	23				
16	Tuesd.	351	7	30	4	22	9	59	7	41	4	10	9	34	7	23	47	11	56	16	19.1	4	2	do.	30	23	21	56				
17	Wed.	352	7	30	4	23	10	44	7	42	4	10	10	42	7	19	49	11	56	40	20.1	4	47	do.	12	23	24	0				
18	Thur.	353	7	31	4	23	11	45	7	43	4	11	11	45	7	15	52	11	57	9	21.1	5	29	do.	24	23	25	36				
19	Friday	354	7	32	4	23	Morn	7	43	4	11	Morn			7	11	56	11	57	39	22.1	6	8	♋	6	23	26	44				
20	Satur.	355	7	32	4	24		46	7	44	4	11	46		7	7	59	11	58	9	23.1	6	47	do.	18	23	27	24				
21	SUND.	356	7	33	4	24	1	48	7	45	4	11	1	52	7	4	2	11	58	39	24.1	7	27	do.	30	23	27	35				
22	Mond.	357	7	33	4	25	2	52	7	46	4	12	2	57	7	0	6	11	59	9	25.1	8	8	♊	13	23	27	18				
23	Tuesd.	358	7	33	4	25	3	56	7	46	4	13	4	4	6	56	9	11	59	39	26.1	8	52	do.	24	23	26	53				
24	Wed.	359	7	34	4	26	5	47	7	46	4	14	5	13	6	52	12	Evening.		27.1	9	39	♋	6	23	25	19					
25	Thur.	360	7	34	4	26	6	12	7	46	4	14	6	22	6	48	10	12	0	40	28.1	10	31	do.	18	23	23	38				
26	Friday	361	7	35	4	27	7	16	7	46	4	14	7	28	6	44	19	12	1	9	29.1	11	26	♊	1	23	21	27				
27	Satur.	362	7	35	4	28	Sets.	7	46	4	16	Sets.			6	40	22	12	1	39	0.2	Ev. 23	do.	14	23	18	49					
28	SUND.	363	7	35	4	29	5	44	7	47	4	17	5	34	6	36	25	12	2	9	1.3	1	14	do.	27	23	15	42				
29	Mond.	364	7	35	4	29	6	59	7	47	4	17	6	40	6	32	27	2	2	38	2.3	2	14	♊	11	23	12	8				
30	Tuesd.	365	7	36	4	30	8	14	7	48	4	18	8	8	6	28	30	2	3	7	3.3	3	6	do.	24	23	8	5				
31	Wed.	366	7	36	4	31	9	29	7	48	4	19	9	25	6	24	35	12	3	36	4.3	3	55	♋	8	23	3	34				

PROB. 88.—The diameter at the top of a convex surface and solidity of the water left in, round tin-measure is 4 inches and at the bottom and of the empty space. 10 inches; its height is 4 inches. If it be filled with water, and then it be poured out until the bottom appears, what will be the

PROB. 89.—Required the surface and solidity of a solid bounded by eight equilateral triangles each side of which is 8 feet.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS,

MADE AT THE
Magnetic Observatory Toronto, Canada West,
FROM 1840 TO 1855 INCLUSIVE.

Calculated and arranged from the original observations and private memoranda, by Serj. JAMES WALKER, Royal Artillery.

Year.	Month.	Temperature.				Warmst Day.	Coldest Day.	Rain in inches.	No. days Rain.	No. days Snow.	Year.	Month.	Temperature.				Warmst Day.	Coldest Day.	Rain in inches.	No. days Rain.	No. days Snow.			
		Mean.	Max.	Min.	Range.								Date.	Temp.	Date.	Temp.						Mean.	Max.	Min.
1840.	Jan.	17.7	36.7	-18.6	55.3	10	32.10	1.395	4	11	1841.	Jan.	20.67	45.3	-7.2	52.5	16	37.45	25	0.28	3.005	7	11	
	Feb.	20.0	50.3	-10.5	60.8	20	43.35	1.475	8	6		Feb.	27.72	47.9	0.6	47.3	20	38.33	9	12.04	0.430	4	7	
	Mar.	33.4	58.6	9.2	49.4	4	44.20	1.640	8	8		Mar.	31.83	50.8	9.6	41.2	1	40.90	18	16.63	2.470	8	8	
	April	42.7	68.7	22.8	45.9	25	73.10	3.420	14	12		April	48.11	74.6	14.9	59.7	13	59.08	1	16.63	1.51	10	8	
	May	54.2	76.4	31.2	45.2	25	76.60	9.190	4	15		May	54.22	78.4	28.7	49.7	25	65.88	21	16.87	5.670	14	1	
	June	60.3	79.9	36.7	43.2	29	70.70	8.5070	4	11		June	60.41	83.3	33.2	50.1	18	70.62	16	10.87	3.535	9	1	
	July	60.3	82.3	47.0	35.3	10	73.10	5.270	6	11		July	66.08	86.6	40.1	46.5	31	72.75	4	16.05	2.815	12	1	
	Aug.	65.1	82.4	47.7	34.7	23	73.00	5.680	2	9		Aug.	61.16	86.8	43.5	43.3	16	71.30	27	57.49	5.749	1	1	
	Sept.	51.4	73.6	39.2	34.4	15	62.50	1.380	4	10		Sept.	58.47	81.8	28.2	53.6	20	70.06	27	10.557	1	1		
	Oct.	44.9	73.0	23.0	50.0	4	60.10	1.860	13	13		Oct.	43.66	71.6	15.9	55.7	9	55.21	28	48.40	1.245	7	4	
	Nov.	35.0	56.8	19.0	37.8	4	47.00	1.220	7	8		Nov.	34.92	56.0	12.1	43.9	7	43.30	27	17.42	2	4		
	Dec.	24.8	42.1	-8.6	50.7	10	37.90	0.000	17	17		Dec.	28.93	48.5	1.6	46.9	6	35.84	17	17.96	6	6		
Sum or Mean		44.07	62.4	18.6	45.97	16	73.10	20.575	97	56	Sum or Mean		44.68	66.8	7.2	45.20	31	72.75	0.28	Imper feet.	100	41		
1841.	Jan.	25.5	42.3	-6.4	48.7	7	38.60	4	7.30	2.150	2	14	Jan.	26.68	45.7	-0.2	45.9	3	37.58	31	7.39	5	9	
	Feb.	23.2	44.1	-1.3	45.4	2	35.50	11	6.70	0.000	1	9	Feb.	26.45	49.1	-1.2	53.3	25	42.61	1	7.62	5	9	
	Mar.	28.2	54.6	-6.7	61.3	20	45.10	15	11.80	1.170	5	8	Mar.	35.68	59.8	6.6	53.2	31	54.68	15	20.65	5	8	
	April	33.4	64.8	19.9	44.9	26	52.40	10	28.00	1.370	3	3	April	42.13	66.7	15.5	51.2	24	56.30	7	24.70	3	29	
	May	51.1	78.0	26.5	51.5	24	74.10	3	32.60	2.350	11	1	May	50.23	77.8	27.8	50.0	12	65.01	29	37.26	2	30	
	June	60.0	93.1	45.3	47.8	29	77.00	12	35.60	1.590	9	1	June	61.32	84.6	39.6	45.0	9	69.77	1	32.00	3	15	
	July	65.0	90.0	39.9	49.1	23	75.20	30	38.40	8.150	10	1	July	66.74	95.0	45.7	49.3	12	82.32	30	55.95	2	9	
	Aug.	64.0	84.8	45.7	39.1	17	70.40	21	59.90	6.170	9	1	Aug.	67.86	84.8	41.5	43.9	9	73.16	1	39.58	1	9	
	Sept.	61.8	80.2	37.7	42.5	9	70.42	27	47.82	3.340	9	1	Sept.	55.91	79.6	34.0	45.6	5	67.62	21	18.10	6	24	
	Oct.	41.8	59.7	20.6	39.1	11	50.90	25	28.83	1.360	6	2	Oct.	46.49	64.0	19.7	44.3	16	57.65	21	28.50	1	1	
	Nov.	35.4	53.8	8.5	55.3	1	54.75	29	19.95	2.450	8	5	Nov.	36.45	59.5	7.6	51.9	18	50.25	28	13.84	1	4	
	Dec.	29.9	46.1	3.1	43.0	14	41.95	21	11.12	0.690	7	5	Dec.	21.49	39.7	-2.4	42.1	17	34.68	11	5.10	Imapp.	2	12
Sum or Mean		44.34	63.1	6.7	47.31	15	77.00	11	6.70	35.070	80	16	Sum or Mean	44.79	65.0	4.2	47.92	12	52.32	11	5.10	Imper feet.	97	47
1842.	Jan.	27.8	43.4	1.9	47.5	29	41.23	3	11.82	2.170	5	9	Jan.	26.10	44.0	-1.3	45.3	30	36.12	17	9.27	2	33	
	Feb.	27.9	50.2	2.9	47.3	3	43.02	17	11.03	3.025	8	9	Feb.	26.80	41.9	-16.7	58.6	5	35.09	20	-3.68	none	0	13
	Mar.	36.3	70.3	15.1	55.2	30	47.47	12	24.70	3.150	4	8	Mar.	33.43	49.6	7.8	41.8	12	39.79	2	17.11	1	9	
	April	43.4	68.8	20.1	69.7	22	53.45	13	31.53	3.746	8	2	April	44.11	81.8	24.2	57.6	21	57.78	13	11.24	1	30	
	May	49.8	74.2	27.3	46.9	18	59.34	9	41.12	1.275	5	1	May	55.77	79.7	33.1	46.6	27	68.08	11	11.70	4	37	
	June	56.4	76.0	28.1	47.9	30	65.74	11	45.32	5.755	15	1	June	63.82	84.2	39.1	45.1	30	73.05	0	51.64	1	29	
	July	64.7	91.0	42.5	48.5	20	73.94	6	55.85	3.050	4	1	July	68.22	94.6	44.5	50.1	10	78.82	14	56.47	2	89	
	Aug.	65.9	81.8	43.9	37.9	25	72.68	15	57.92	2.500	6	1	Aug.	68.41	86.4	49.5	36.9	5	78.67	18	57.44	1	77	
	Sept.	65.6	82.6	27.9	54.7	1	72.85	22	36.66	6.100	12	1	Sept.	63.41	84.3	37.3	47.0	2	74.85	20	57.51	4	59	
	Oct.	45.3	78.6	27.5	41.1	7	56.93	20	37.27	5.175	8	1	Oct.	44.81	70.1	20.7	49.4	7	63.58	22	30.61	4	18	
	Nov.	33.2	56.8	8.1	48.7	1	45.74	28	19.93	5.310	9	10	Nov.	40.82	55.7	18.0	37.7	10	52.41	25	20.35	5	80	
	Dec.	25.8	40.5	4.1	36.4	2	44.74	22	9.57	0.880	3	17	Dec.	27.64	49.4	3.9	45.5	2	40.91	15	15.64	1	5	
Sum or Mean		44.34	63.1	1.9	48.48	25	73.94	12	9.57	42.790	89	55	Sum or Mean	46.44	64.6	16.7	46.80	10	78.82	26	3.68	32	55	
1843.	Jan.	28.76	55.4	1.8	53.6	21	40.78	3	11.67	4.295	6	12	Jan.	22.87	42.9	-2.9	45.8	15	39.71	21	3.07	2	13	
	Feb.	15.92	38.5	-9.4	47.9	10	28.54	16	4.96	0.475	1	21	Feb.	22.48	41.1	-0.9	42.0	2	37.68	23	6.60	0	55	
	Mar.	22.36	39.9	-2.5	42.4	10	32.62	2	12.45	0.625	2	18	Mar.	26.25	43.9	5.4	38.8	25	37.13	11	15.41	0	85	
	April	11.29	71.6	14.7	56.9	28	55.48	1	26.12	3.185	7	3	April	39.06	65.1	3.3	55.8	21	55.05	1	28.12	2	87	
	May	19.73	79.8	29.2	50.6	15	63.10	1	33.61	1.570	5	1	May	54.55	72.1	26.7	45.4	28	62.44	1	39.90	2	04	
	June	38.94	83.3	28.2	55.1	27	71.68	14	40.32	4.595	12	1	June	58.13	77.8	36.0	41.8	20	69.88	14	45.70	2	62	
	July	41.58	86.8	38.7	48.1	18	72.28	11	55.81	4.605	8	1	July	67.62	87.0	43.2	43.8	19	76.86	26	53.97	3	35	
	Aug.	36.49	83.1	44.0	39.1	31	74.01	1	59.16	4.850	4	1	Aug.	63.93	82.6	44.6	38.0	16	72.77	31	54.06	2	10	
	Sept.	58.98	80.0	32.2	56.8	28	74.11	27	40.92	9.760	10	1	Sept.	54.91	74.5	35.0	39.5	8	64.37	14	15.43	6	66	
	Oct.	11.92	68.0	24.2	43.8	6	56.72	27	31.17	3.790	12	4	Oct.	43.71	64.6	20.2	44.4	5	59.13	20	26.21	4	30	
	Nov.	33.25	52.6	14.1	38.5	24	39.95	27	20.95	4.765	10	7	Nov.	38.04	57.9	8.4	49.5	2	51.45	29	13.89	3	15	
	Dec.	30.83	48.5	3.1	45.4	20	37.53	12	12.55	1.040	6	8	Dec.	30.02	49.6	-0.3	49.9	31	43.43	20	12.29	1	18	
Sum or Mean		42.75	60.0	9.4	48.18	25	74.11	16	4.96	13.555	83	73	Sum or Mean	43.46	64.0	19.9	44.53	19	76.86	23	6.60	31	90	

Year.	Month.	Mean.
1848.	Jan.	18.4
	Feb.	20.9
	Mar.	32.2
	April	38.7
	May	48.9
	June	53.0
	July	57.8
	Aug.	60.8
	Sept.	57.0
	Oct.	43.9
	Nov.	41.8
	Dec.	26.56
1849.	Sum or Mean	43.70
1850.	Jan.	29.56
	Feb.	26.68
	Mar.	29.73
	April	38.50
	May	48.61
	June	54.86
	July	60.04
	Aug.	66.55
	Sept.	56.54
	Oct.	45.00
	Nov.	38.77
	Dec.	22.75
1851.	Sum or Mean	41.72
1852.	Jan.	25.82
	Feb.	28.42
	Mar.	31.14
	April	41.07
	May	52.48
	June	59.84
	July	65.55
	Aug.	63.71
	Sept.	60.98
	Oct.	47.83
	Nov.	32.80
	Dec.	21.58
1853.	Sum or Mean	44.41

Latitude, 43°.

The Province

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TABLE OF SEMI-DIURNAL ARCS,

Calculated for the Principal Places in British North America.

Decl.	TORONTO. N. 43° 39' 4.		KINGSTON. N. 46° 30' 0.		HALIFAX, N. S. N. 44° 39' 3.		MONTREAL. N. 45° 31'.		FREDERICTON. N. 46° 31'.		QUEBEC. N. 46° 49' 2.	
	North.	South.	North.	South.	North.	South.	North.	South.	North.	South.	North.	South.
1 0	6 3-8	5 56-2	6 3-9	5 56-1	6 4-0	5 56-0	6 4-1	5 55-9	6 4-1	5 55-9	6 4-3	5 55-7
2 0	6 7-6	5 52-4	6 7-7	5 52-3	6 7-9	5 52-1	6 8-3	5 51-7	6 8-3	5 51-7	6 8-5	5 51-5
3 0	6 11-5	5 48-5	6 11-7	5 48-3	6 11-9	5 48-1	6 12-2	5 47-8	6 12-5	5 47-5	6 12-7	5 47-3
4 0	6 15-3	5 44-7	6 15-5	5 44-5	6 15-9	5 44-1	6 16-3	5 43-7	6 16-6	5 43-4	6 17-1	5 42-9
5 0	6 19-1	5 40-9	6 19-4	5 40-6	6 19-9	5 40-1	6 20-3	5 39-7	6 20-7	5 39-3	6 21-3	5 38-7
6 0	6 22-9	5 37-1	6 23-3	5 36-7	6 23-8	5 36-2	6 24-4	5 35-6	6 24-9	5 35-1	6 25-6	5 34-4
7 0	6 26-7	5 33-3	6 27-2	5 32-8	6 27-8	5 32-2	6 28-5	5 31-5	6 29-1	5 30-9	6 29-8	5 30-2
8 0	6 30-5	5 29-5	6 31-1	5 28-9	6 31-8	5 28-2	6 32-6	5 27-4	6 33-1	5 26-9	6 34-1	5 25-9
9 0	6 34-8	5 25-2	6 35-3	5 24-7	6 36-2	5 23-8	6 37-1	5 22-9	6 37-9	5 22-1	6 38-9	5 21-1
10 0	6 38-7	5 21-3	6 39-4	5 20-6	6 40-3	5 19-7	6 41-4	5 18-6	6 42-2	5 17-8	6 43-3	5 16-7
11 0	6 42-7	5 17-3	6 43-5	5 16-5	6 44-5	5 15-5	6 45-7	5 14-3	6 46-5	5 13-5	6 47-8	5 12-2
12 0	6 46-8	5 13-2	6 47-6	5 12-4	6 48-2	5 11-8	6 50-0	5 10-0	6 50-9	5 9-1	6 52-4	5 7-5
13 0	6 51-0	5 9-0	6 51-8	5 8-2	6 53-0	5 7-0	6 54-4	5 5-6	6 55-4	5 4-6	6 56-3	5 3-7
14 0	6 55-1	5 4-9	6 56-0	5 4-0	6 57-4	5 2-6	6 58-8	5 1-2	6 59-9	5 0-1	7 1-6	4 58-4
15 0	6 59-2	5 0-8	7 0-2	4 59-8	7 1-7	4 58-3	7 3-2	4 56-8	7 4-5	4 55-5	7 6-3	4 53-7
16 0	7 3-6	4 56-4	7 4-7	4 55-3	7 6-2	4 53-8	7 7-9	4 52-1	7 9-2	4 50-8	7 11-4	4 48-6
17 0	7 8-3	4 52-0	7 9-0	4 51-0	7 10-7	4 49-3	7 12-6	4 47-4	7 14-1	4 45-9	7 16-0	4 44-0
18 0	7 12-3	4 47-7	7 13-5	4 46-5	7 15-4	4 44-6	7 17-3	4 42-7	7 18-7	4 41-3	7 21-0	4 39-0
19 0	7 16-7	4 43-3	7 18-1	4 41-9	7 20-1	4 40-9	7 22-0	4 38-0	7 23-7	4 36-3	7 26-1	4 34-0
20 0	7 21-2	4 38-8	7 22-6	4 37-4	7 24-8	4 35-2	7 26-9	4 33-1	7 28-5	4 31-5	7 31-3	4 28-7
21 0	7 26-0	4 34-0	7 27-5	4 32-5	7 29-7	4 30-3	7 32-1	4 27-9	7 34-0	4 26-0	7 36-6	4 23-9
22 0	7 30-7	4 29-3	7 32-3	4 27-7	7 34-7	4 25-3	7 37-2	4 22-8	7 39-1	4 20-9	7 41-7	4 18-3
23 0	7 35-6	4 24-4	7 37-3	4 22-7	7 39-8	4 20-2	7 42-4	4 17-6	7 44-5	4 15-5	7 47-0	4 12-4
24 0	7 40-4	4 19-6	7 42-3	4 17-7	7 44-9	4 15-1	7 47-8	4 12-2	7 50-0	4 10-0	7 53-4	4 6-6

ANSWERS TO THE EXAMPLES FOR 1855.

(Concluded from page 29.)

Ex. 53.—Let $245=b$, $120=p$, and $346=s$, x =difference of sides; then $x=b\sqrt{(s^2-l^2-4p^2)\div(s^2-b^2)}=5$. The sides are $\frac{1}{2}s\pm\frac{1}{2}b\sqrt{(s^2-l^2-4p^2)\div(s^2-b^2)}=169$, or 174. Ans.

Ex. 54.—Let $2\sqrt{5}=\frac{1}{2}a$, then the side of required square= $1\frac{1}{2}a\sqrt{5}=4$. Ans.

Ex. 55.—Let $72=a$, and perimeter= $360=p$. (The number 258 was wrong.) The sides= $\frac{1}{2}p(a+\frac{1}{2}p)\div(a+\frac{1}{2}p)\pm\text{or}\mp\frac{1}{2}p\sqrt{(a-\frac{1}{2}p)^2-2a^2}\div(a+\frac{1}{2}p)=120$ or 90. Ans.
Sum of the legs= $p(a-\frac{1}{2}p)\div(a+\frac{1}{2}p)=210$. Hypotenuse= $\frac{1}{2}p^2\div(a+\frac{1}{2}p)=150$. An.

Ex. 56.—Let $9=a$, $12=b$, $15=c$, and x , y , and z , the required sides.

Then $x=\frac{2}{3}\sqrt{(2b^2+2c^2-a^2)}=17.088$. Ans.

$y=\frac{2}{3}\sqrt{(2a^2+2c^2-b^2)}=14.422$. Ans.

$z=\frac{2}{3}\sqrt{(2a^2+2b^2-c^2)}=10$. Ans.

Ex. 57.—Let $24=p$, $25=b$, $40=c$, $x=\frac{1}{2}$ base, then base= $2x=2\sqrt{(qn^2-nq^2+qp^2)\div(n-q)}=200\sqrt{14+7}=106.903$. Ans.

In this $n=\sqrt{(c^2-p^2)}=32$, and $q=\sqrt{(c^2-p^2)}-\sqrt{(b^2-p^2)}=25$.

Another side= $\sqrt{(n+x)^2+p^2}=88.756$. Ans.

A third side= $\sqrt{(x-n)^2+p^2}=32.188$. Ans.

Ex. 58.—Let $a=6$, $b=4$, $c=5$, $d=3$, and r =radius; then $\frac{1}{4}\sqrt{(ab+cd)(ac+bd)(ad+bc)}\div\sqrt{(s-a)(s-b)(s-c)(s-d)}=1\frac{1}{40}\sqrt{(17290)}=3.2875$. Ans.
 $s=\frac{1}{2}(a+b+c+d)=9$.

Ex. 59.—Let $10=a$, $20=b$, $30=c$, $x=\frac{1}{2}$ side, then the side= $2x=\sqrt{(2(a^2+b^2+c^2)-2\sqrt{6(a^2b^2+b^2c^2+c^2a^2)}-3(a^4+b^4+c^4))}=20\sqrt{7}=52.9150262$. Ans.

Note.—If the given point had been *within*, the $+$ sign should have been used before the radical.

REMARK.—Owing to the difficulty of putting mathematical formulæ in type, no doubt there will be obscurities and errors in the foregoing pages, but we trust due allowance will be made for such. Any errors we have pointed out to us we shall be thankful for. There is not another set of so extensive and useful formulae published in the English language, that we are aware of, and we trust they may be acceptable to our friends. We have received a few problems for 1856 (but too late for insertion), which will appear next year. We request correspondents to *generalize* their solutions for 1856, as far as possible, by using or making literal formulæ, the answers then serve for all similar problems.

You are landed on establish a home, like banks of the lakes, you ductions, it to acquire shape an or views and a view of the leading phy in making although yo by actual a the first fav cover wheti the inhabiti and enjoy.

Place a m Union betor see and loc have to reg most indust

We will s as our start the Northern hours at Col Lake Huron ascend then feet above L some ten m standing on Canada whi northern sh scribed, and expanse of w all around u ever, we may expanse of W future of t changes whi region at o Western Can tined agric timber region

The bound centre of all that starting most wester low for mor which separa Let us trace see how it fu River, 1,000 feet above t reach the Sa locks 70 feet Huron and t Detroit Rive mity of the through Lak here we desc by 26½ feet, through the until we arri we pass by broad, lettin the level of Lawrence. boundary o great river c by means of thus, witho the directio of the bou progress up or canoe, u have arrivd waters flow which reach to Pigeon L pretty accur Huron and of Western

THE FUTURE OF WESTERN CANADA.

You are perhaps an immigrant from Europe, and have landed on the shores of Lake Ontario with a view to establish for yourself a new and permanent Canadian home. Like tens of thousands who seek and reach the banks of the St. Lawrence, or the region of the Great Lakes, you have no distinct idea of the country, its productions, its inhabitants, or its scenery. You are anxious to acquire some information which will enable you to shape an opinion as to the spot best adapted to meet your views and circumstances. If you could enjoy a bird's-eye view of the country, and grasp distinctly many of its leading physical features, it would, doubtless, assist you in making choice of a suitable spot for a future home; although you would be wise enough, perhaps, not to be led by actual appearances altogether, but would resolve, after the first favourable impression had been produced, to discover whether the social and even political tendencies of the inhabitants were such as you could sympathize with and enjoy.

Place a map of Canada and of the Northern States of the Union before you, and accept me for a guide; if what you see and hear does not please or convince, you will only have to regret the loss of an hour's attention, which the most industrious can generally find time to spare.

We will select Toronto, the capital of Western Canada, as our starting point; and proceeding nearly due north by the Northern Railway, we shall arrive in three-and-a-half hours at Collingwood Harbour, in Georgian Bay, a part of Lake Huron. To our left are the Blue Mountains; let us ascend them until we attain an altitude of nearly 1,000 feet above Lake Huron, in the township of Ennalsburg, and some ten miles from Collingwood Harbour. You are now standing on the highest land in that part of Western Canada which lies to the south of the distant, rugged, northern shores of Lake Huron. Our view is still circumscribed, and exhibits no other features beyond a blue expanse of water far to the north, and forest, forest, all around us. From this elevated and central spot, however, we may contemplate with our mind's eye the whole expanse of Western Canada, and see throughout the short future of the next ten years to come, the wonderful changes which will have been worked out in the vast region at our feet. But where are the boundaries of Western Canada? where the mineral region? where the tamed agricultural region? and where the exhaustless timber region?

The boundary line of Upper Canada runs through the centre of all the great lakes and their junction rivers; so that starting from Pigeon River on Lake Superior, near its most westerly extremity, you may, with a steamboat, follow for more than a thousand miles, the imaginary line which separates Western Canada from the United States. Let us trace out this immense water communication and see how it invests the country on all sides. From Pigeon River, 1,900 miles from the Gulf of St. Lawrence, and 600 feet above the sea, we steam across Lake Superior, and reach the Sault Ste. Marie Canal, descend 17 feet through locks 70 feet broad and 350 feet long, pass on into Lake Huron and through the River St. Clair, Lake St. Clair and Detroit River, thus sweeping round the southern extremity of the great peninsula of Western Canada. On then through Lake Erie to the mouth of the Welland Canal; here we descend 350 feet through 27 locks, each 150 feet by 26½ feet, to the deep waters of Lake Ontario; then through the exquisite scenery of the thousand islands, until we arrive at the St. Lawrence Canals, through which we pass by means of 19 locks 200 feet long by 45 feet broad, letting us slowly down upwards of 150 feet to the level of the Ottawa, where it joins the mighty St. Lawrence. We have now reached the utmost eastern boundary of Western Canada, and must steam up the great river of the north, (Ottawa,) overcoming its rapids by means of locks, until we reach the City of Ottawa; and thus, without changing our steamer, we have traversed in the direction of two sides of a triangle, at least two-thirds of the boundary of Western Canada. But we may still progress up the noble north-eastern boundary, in steamer or canoe, until we reach Lake Timiscamang. Here we have arrived at the height of land which separates the waters flowing into the Gulf of St. Lawrence from those which reach the Hudson's Bay. From Lake Timiscamang to Pigeon River, an imaginary curved line, following pretty accurately the direction of the shores of Lakes Huron and Superior, forms the last link of the boundary of Western Canada. This vast region occupies an area of

about 147,000 square miles, and extends over sixteen degrees of longitude and eight degrees of latitude.

We are now in latitude 44° 30'; and if we trace the continuation of this parallel through Western Canada we shall find to the south of it lying the great agricultural region, distinguished in a remarkable manner for the fertility of its soil, and the adaptation of its climate to the purposes of husbandry. Is there any reason for this arbitrary division you will ask. Yes, a great geological reason to account for its fertility, and a great climatological reason to account for its adaptation to vegetable growth.

1. The parallel of latitude before named, marks the northern limit of the sedimentary rocks in Western Canada; rocks which have been deposited at the bottom of ancient seas, and have in great part retained their flat surfaces undisturbed. Upon the level groundwork of these rocks have accumulated vast deposits of drift clays, which have been produced by the grinding up and slow decay of the granite rocks north of this parallel (44° 30'). The sedimentary rocks themselves consist of limestone and shale, giving rise after disintegration and decay, to abundance of those necessary components of soil which plants require for their nourishment and support.

2. The 44th parallel of latitude cuts off a peninsula portion from Western Canada, and you may extend the term peninsula to that entire part south of the parallel where we now stand. If we trace the 44th parallel through Europe, we shall find that it intersects the south of France and Tuscany, countries rich in olives, the cereals and the grape. The most southern portion of Western Canada is touched by the 42nd parallel, which, when continued through Europe, is found to intersect the northern part of Spain and the Roman States. These vast inland seas, Huron, Erie, and Ontario, which almost encircle the peninsula portion of Western Canada, soften summer heat, temper winter cold, and preserve a moist atmosphere in which vegetables luxuriate. The adaptation of these conditions to secure the excellence we claim for Western Canada as an agricultural country, you will shortly better appreciate when we have completed our external survey, and travel southwards through the interior of the country.

North of the 44° 30' parallel is a mixed mineral and timber region, where are millions of acres in the valleys of the tributaries of the Ottawa and the rivers flowing into Lake Huron, capable of yielding a rich harvest of lumber for a century to come. Now draw an imaginary air line from where we stand on the Blue Mountains, to the county of Essex, the most westerly portion of Western Canada. Let this line revolve about ourselves as a pivot, first to the left, until its extremity rests near Kingston, and then back again to the right, until it rests near the Bruce Mines. You see you have swept over nearly the whole of the agricultural region of Western Canada, with the exception of the Valley of the Ottawa before mentioned, occupying about 10,000 square miles. Now from the Bruce Mines, let your imaginary air line sweep over the country towards the north and east, until it again rests its extremity near Kingston. You have traversed the mixed mineral and lumber region; and beyond the Bruce Mines, all along the northern shore of Lake Huron and the northern shore of Lake Superior lies the great mineral region.

If we had leisure we might pause to reason upon the extraordinary difference which may arise in course of time, between the characters and social position of the future inhabitants of these diverse regions, but that is a speculation which coming events render difficult indeed.

We have now examined and traced out the boundaries of our country, let us proceed to establish our relationship to neighbouring States and Provinces which may influence our industrial or social position. North-east lies Eastern Canada, north-west the trackless regions of the Hudson's Bay Company's territories. Every other part of Western Canada is surrounded by the several States of the American Union. In order, proceeding from east to west, these are New York, Pennsylvania, Ohio, Michigan, Indiana, Illinois, Wisconsin and Minnesota. We lie like a wedge between them—New York, Pennsylvania and Ohio on one side, Michigan and Wisconsin on the other—our communication by water complete with all that have been mentioned, and with the ocean, without obstruction, by means of the St. Lawrence; or by numerous railroads and canals with the Atlantic seaboard. And herein lies our strength and the hopes of our future. Set aside the advantages of position in relation to the neighbouring States of the Union and the ocean, and the progress of this country would be like the slow, yet steady flow of the rivers which

QUERREY, N. 46° 49' 2."	
North.	South.
h. m.	h. m.
6 4-3	5 55-7
6 8-5	5 51-5
6 12-7	5 47-3
6 17-1	5 42-9
6 21-3	5 38-7
6 25-6	5 34-4
6 29-8	5 30-2
6 34-1	5 25-9
6 38-9	5 21-1
6 43-3	5 16-7
6 47-8	5 12-2
6 52-4	5 7-6
6 56-3	5 3-7
7 1-0	4 58-4
7 6-3	4 53-7
7 11-4	4 48-6
7 16-0	4 41-0
7 21-0	4 36-0
7 26-1	4 31-0
7 31-3	4 26-7
7 36-6	4 21-9
7 41-7	4 18-3
7 47-6	4 12-4
7 53-4	4 6-6

$$(s^2 - b^2 - 1p^2) \div 9, \text{ or } 174. \text{ Ans.}$$

$$\text{The sides} = \frac{1}{2}p$$

$$\text{Ans.}$$

$$+ p = 150. \text{ An.}$$

$$\div \sqrt{(n-q) =}$$

$$ad + bc \} \div \sqrt{}$$

$$b^2 + c^2 - 2\sqrt{}$$

ve been used

obscurities and pointed out to in the English a few problems generalize their for all similar

glide to the south, compared with the tumultuous rush of those we see hurrying on to the north and west. And what use have we yet made of this great advantage of position? Little indeed as yet; but the beginning has been auspiciously entered on, and this advantage will suddenly and convulsively increase to results which at the first glance appear too astonishing and overwhelming for belief. To our east lies a vast consuming country, incapable of satiety; from its circumstances incapable of supplying its own wants; and from a spirit, nay, a necessity of accumulation, always seeking, and instantly absorbing whatever we have to offer. To our south and west, and north-west, lies an equally vast producing country, capable of indefinite extension; and from a spirit of restless activity, and an unquenchable thirst for gain, always producing and setting in motion the accumulations of its industry to supply the necessities of the east and receiving, as we do, in return, the varied results of mechanical skill. We lie between these extremes; the nearer they are brought to one another the greater gain to both, and the greater stimulant to both to pursue their incessant interchange of rude industry on the one hand and capital and skill on the other. We know how astonishingly the influence of rapid and uninterrupted communication between distant centres of industry is developing itself around us; to whatever country we look, examples without number start up before us in testimony of the life and vigour which is infused as soon as rapidly and perfect freedom of communication is established. Besides this great advantage of position, we have immediate and uncontrolled communication with the sea, the highway of nations. When the east or the west fails us, or are temporarily incapable of relieving us of surplus productions, we can always find ourselves in a better position than our western neighbour, because we are nearer to the markets abroad. And lastly, may we not look upon resources within ourselves? Have we not the power of increasing tenfold the products of our mines, our forests, and our farms.

The relation of our country to the North-Western and Western States of the Union is most remarkable; and in order to understand this important question in its wide extent, you must familiarize yourself with a few general truths which a little quiet reflection will render almost self-evident. What has led to the construction of the Sault Ste. Marie Canal. You will answer, the great mining region of Lake Superior—copper in inexhaustible abundance, and iron distributed in mountain masses, not only on the shores of that cold fresh-water sea, but profusely scattered throughout northern Michigan and Wisconsin! Think you that the vast demand for iron in the new North-western States will allow those rich mines of metal to remain idle. Will it be cheaper to bring the coal of Ohio and Illinois to Chicago, Milwaukee, Superior City, or take the ore to the Eastern States, smelt it, manufacture it, and then send it back again to the far west. No—the region of the great lakes will manufacture its own railroad iron as soon as speedy and cheap means of communication are opened out and maintained. From Chicago or Milwaukee to the mining region of Lake Superior, a railroad is now contemplated, and a few months on this continent will teach you that to “contemplate” in such matters signifies “to construct.” From Milwaukee to Copper-Range is about 350 miles, part of the line runs through the richest iron region; and when all things are dependent upon iron, the south shore of Lake Superior must soon find that population and industry for which it is so remarkably adapted; and then follows the north, the great mineral region of Western Canada. But look beyond the lakes—see Iowa, Minnesota, Wisconsin and Illinois, what are they to do with their surplus grain? It must all seek the lake ports. It must be stored where there is no prospect of growth and fermentation taking place. The damp and warm voyage over the heated waters of the Gulf stream is impracticable. The Mississippi and its affluent the Missouri, are useless in great part as avenues for the exportation of the wheat of the west. This has led to that wonderful star-work of railways which radiates from Chicago—for, as a general rule, all traffic follows the direction of a leading traffic. Extending into the rich prairies of Illinois, Indiana, Iowa and Wisconsin, not less than thirteen different railways radiate from Chicago, a city which has sprung up as it were in a night; in 1840 it had 4,479 inhabitants, it now embraces 55,000 souls, an increase absolutely without parallel on this continent, and yet a true reflection of the commerce, industry and activity of the west. In like proportion, railways from Milwaukee and from Green Bay ramify into the interior. The same argument applies to the lake ports of Huron, St. Clair, and Erie, resulting

in the general proposition, that the region of the Great Lake draws to itself a mighty traffic which naturally belongs to other water sheds. Once on the lakes whither do these accumulations tend? You will answer to the seaboard, for home consumption, or for exportation to Great Britain, Ireland, or the West India Islands. But in seeking the seaboard they have to find the easiest and speediest route in their descent to the sea level. In Lake Superior, Lake Michigan, and northern parts of Lake Huron, every cargo of western produce is 500 feet above the sea. It must be let down step by step until it reaches this universal level. This may be effected by a short, safe and rapid step, nearly in a straight line, or it may be effected by a circuitous route, and by a long and often precarious descent. No one doubts that the more rapid and safe the communication between east and west, the more sudden and elastic will be the ebb and flow of that mighty commercial stream whose course, if wisely, though ever so gently directed in the first instance, will soon carry away every obstruction and impediment to its perfect freedom. Now look at Western Canada, and see the barrier which this wedge-shaped country introduces between the east and west; happily it is only a physical barrier; formerly it was also a political and commercial one. As a physical barrier what has high art and generous enterprise done to bring nearer to one another the fruitful west and the insatiable east. We have now in active operation the Great Western, (Lake Huron and Lake Ontario at Hamilton; and State of New York at Suspension Bridge, 220 miles), the Northern Railway (Lake Huron and Lake Ontario 90 miles), traversing the barrier; and the Welland Canal, (Lake Erie and Ontario), letting down the produce of the west to the level of Lake Ontario, without breaking bulk. Are these means of communication taxed to the full; the Welland Canal thronged to the utmost, answers for itself; the Great Western Railway for half its length as a mere preliminary step, has to be immediately doubled in capacity by means of a new branch from London to Saratoga, with double track from London to Hamilton; the Northern, which a year ago was thought to be a weak and exotic fledgling, has already taken wing with a power and vigour indicative of great inherent strength; the Lake Huron and Buffalo Railway, the Anglican name for the late Buffalo, Brantford and Goderich railway (Lake Erie to Lake Huron 100 miles, 82 now open,) will be finished in a twelve-month; the Grand Trunk which stretches its long length through the centre of the most fertile part of Western Canada, and thence onward to the sea, will soon unite the upper lakes with the Atlantic; and yet all these connecting links between the west and east will be insufficient to serve that vast commercial expansion which trends so rapidly upon, and fills to repletion the present artificial means of communication. There are additional stupendous works in “contemplation.” First, a ship canal connecting Georgian Bay, the northern part of Lake Huron, with Lake Ontario at Toronto. Second, a ship canal connecting the head of Lake Huron by the route of Lake Nipissing, with the Ottawa, and thence with the sea or Lake Ontario. Third, the Great Southern Railway, establishing a third line of communication between the head of Lake Erie and the Niagara River. You may well smile at the interpretation given to the word “contemplate” with us, yet think that all the railways just named were only “contemplated” some three or four years ago, and now they may be said to be constructed. So in five years to come you will find that vast change to have occurred in relation to these new projects, when the wonderful growth of the Great West is now forcing upon our attention. Whatever each succeeding year is doing for the Great West it is doing for Canada. It is not only increasing population by the influx of strangers, to a degree totally unparalleled, but opening out new fields of enterprise, and establishing new centres of industry, where five years before existed desolate and uninhabited wilds. Every mine opened on the south shore of Lake Superior, benefits us on account of our geographical position; and whatever may be said of the prospective wealth and importance of that extensive mineral region of our neighbour may be said with equal confidence of our own. So with respect to every additional acre cultivated in Iowa or Minnesota; it adds its mite to the traffic which is filling to excess every avenue of communication we have opened between the west and east; and our future difficulty will be to keep pace with the increase of those accumulations which will seek to be set in motion from the commercial centres of the north-western lakes. It will be well to examine in as brief a manner as possible, the present ascertained commerce of the lakes, in order to see if our ex-

tion of the Great Lakes whither do answer to the transportation to Great Lakes. But in seeking the easiest and speediest level. In Lake Huron, the water is 500 feet above the level of the Great Lakes until it reaches a point by a short, safe route, or it may be a long and often a more rapid route to the west, and the flow of that water, which is wisely, though sometimes, will soon amount to its perils, and see the very introduction of only a physical and commercial art and generous other the fruitful now in active operation of Lake Ontario and Lake Erie at Suspension (Lake Huron and Lake Erie) barrier; and the (the) letting down of Lake Ontario, as of communication through to the Western Railway step, has to be as of a new branch from London to Chicago was thought ready taken wing of great inherent difficulty, the And and Goderich (the) now open, the Grand Trunk (the) centre of the thence onward with the At the between the that vast com- pany upon, and this communication.

In "contem- porary Bay, the Lake Ontario at the head of Lake with the Ottawa. Third, the line of com- and the Niagara relation given to the that all the the" some three said to be con- sidered that vast new projects, West is now fore- succeeding year Canada. It is a of strangers, ending on new centres of in- solute and un- der the south shore our geographi- cal prospective of the region of abundance of our acre cultivated the traffic which we have future difficulty these accumula- in the commer- will be well to be present as- see if our ex-

pectations of the future are likely to be borne out by fact. In 1851, Mr. Andrews (Report to United States Government), estimated the value of the commerce of the great lakes to be about \$50,000,000. We are now at the close of the year 1855, very nearly four years have elapsed since Mr. Andrews made his calculation and report, and during that short space of time \$30,000,000 have been added to the value of lake commerce; or in other words, at the present moment the commerce of the great lakes is estimated at one hundred and ten millions currency. The imports and exports of this region by the River St. Lawrence alone, exceeded in 1855 \$5,000,000, and they were exclusively Canadian. There is much of promise in this for the future, much to induce us to be up and stirring, in order to secure our position and render it immovable.

The construction of railways, the increase of population, the high price of grain, and the removal of fiscal regulations, have effected, during the past two years, so startling a change in the prospects for the future of this country, that it has become a matter of difficulty to select an appropriate subject for the purpose of illustrating the various effects of our progress, effects which we all feel and see around us for the time being, but are not much in the habit of searching for five or ten years ahead, and of their probable influence then. Take the item, fire-wood. The number of families in Western Canada, reckoning five persons to a family, is about 250,000. Each family consumes for fire-wood, or destroys in the process of clearing, at the lowest average twenty cords of wood per annum. In other words, 5,000,000 cords of wood are annually annihilated by this means alone. The consumption of our railroads at the close of the present year will be about 200,000 cords; steam boats consume at least an equal amount; so that the total quantity is 5,400,000 cords, which at sixty cords per acre is equal to the growth of 90,000 acres. In 1851-2, the area of wooded and wild land surveyed and held was 6,123,132 acres; and we may with justice assume, that notwithstanding the annual additions to the surveyed lands, yet the accessible portion of our wooded land at present does not exceed 5,000,000 acres, or enough to last for fire-wood purposes not longer than twenty-five years, making due allowance for increase of population, and consumption in various ways. Will this consumption take place? Certainly not; rise in price will check it; the more valuable woods will gradually be preserved for exportation and manufacturing purposes. The Paris exhibition, in which we have so signally distinguished ourselves as a practical, common-sense people, will secure this new field of industry for us. What then is to be the substitute? Coal, the coal of Ohio and Pennsylvania; perhaps as years roll on the coal of Illinois; it may be too that the coal of Michigan will yet be found serviceable. The future commerce in coal is an easy problem. The great west, though possessing boundless prairies and mines, has but little timber, and many of the coal-fields are imaginary. Not less than three-fourths of the so-called coal-fields of Dr. Owen will have to be swept from the map. She must look to the East, to the Lake region, for her fuel for most purposes. Chicago now requires for 1855, 80,000 tons, Milwaukee 30,000, Toronto 17,000 tons; and in short the great lakes generally, including the towns on their coasts and the steamers on their waters, no less an amount than 700,000 tons? What will be the requirement in 1860? What in 1865?

Again, take the item iron. Our railways are groaning under their meagreness; but iron, strong as it is, cannot endure for ever; and you may safely say that the average period of the durability of the iron of a railroad does not exceed five years. This is an ascertained fact, and a most important one; it amounts to this—that before 1860 all the railways in North America will require on an average to renew their iron tracks? Where is the iron to come from? Can Europe supply her own increasing want and ours besides; or will not rather enterprise and necessity open out that vast mineral region of Superior, and give our own manufacturers iron within the borders of the great Lakes? In 1851 the United States imported 188,626 tons of iron, of an aggregate value of \$4,900,000, and at a cost of \$26 per ton. In 1854 the same country imported 282,860 tons, having a value of \$3,020,000, and, including duty, at a cost of \$49 49c. per ton, or not far short of double the price in 1851.

I have selected two items, coal and iron, because they are at the foundation of all modern enterprise; they constitute in themselves the crude yet mighty means by which the United Kingdom has reached its incalculable wealth and gigantic power. They are equally the means by which the United States of America and the

Canadas have arrived at their present position, and on which they found their hopes for the future greatness. Of what value would the richest prairies loaded with grain be, if means of export were closed? Of what value is that prostrate pine, which lies in huge magnificence on our feet, as long as there exists no hope of conveying it where it may be made to serve some useful purpose. It is not where the storm has laid it, and so will thousands around us until means of communication are opened out, then they become of value, and the nearer they are to market the greater their worth. It has pleased Providence to withhold one of these mighty engines of enterprise and wealth from us. Coal no doubt once existed in vast abundance in Western Canada, but it has long since been swept away, and the outlying patches in the United States just touch our borders. But in our deprivation we find another strong necessity for extending our means of communication, to supply not only ourselves but the ports and cities of Lake Ontario Valley. A very large portion of our mineral region is covered with trees which are not fit for commercial purposes, but may be converted into charcoal with the greatest advantage, and thus meet in some degree, as far as iron and copper is concerned, the want of coal. All the excellent Swedish iron is smelted by means of charcoal, and as soon as means of communication render our mineral region commercially accessible, charcoal can be manufactured at one-fourth of the price it obtains in Europe. The Huron, Lake Nipissing and Ottawa Canal, will change that dreary wilderness into a bustling centre of industry.

Now imagine, for the sake of grasping this subject more easily, that a ship canal between Lake Huron and Lake Ontario were constructed; that it were capable of letting down the produce of Lake Huron some 350 feet into Lake Ontario, in propellers or screws, carrying at least 1,000 tons. The length of the canal would be about 100 miles, and it would save in actual distance alone not less than 300 miles. It would become one of the great highways for merchandise of every description going to the east, and from the East going to the West. Its extremities would be converted into depots of coal to supply the steamers running to and from Oswego, Rochester, and Ogdensburg, being on the line of traffic, and the nearest points to the mines of Ohio, from which they must derive their supplies. Chicago, which in 1854 shipped nearly 13,000,000 bushels of wheat, would send every grain by that short route to Oswego and the St. Lawrence ports. But if Chicago shipped 13,000,000 in 1854, what will she do in 1860; and what will the other ports of Lake Michigan, emulating her in enterprise and courage, send to swell the traffic which must cross the great barrier of Western Canada, to find the cheapest route by way of Oswego and the St. Lawrence, to the most profitable markets in the East, and beyond the seas? Whatever argument applies to exports, holds good with imports; an equal tide of traffic will return by the same route for Lake Michigan and Lake Huron Ports; in a word for the great North West. The rush for land is even greater in the Western States than in Western Canada. In 1854 the United States government sold the enormous area of 3,276,000 acres in Iowa alone, at an average price of \$1 24 cents the acre. In Missouri, 2,896,000 acres were sold during the same period, at an average price of 43 cents per acre. The total amount of land sold in the United States and its territories during 1854 amounted to 14,800,368 acres, payment being made in cash, the receipts being \$105,49,000. It is a most fortunate circumstance for Western Canada, that her form is that of a wedge, penetrating among the Southern States of the Lake region. That single geographical condition secures to her a large share of the traffic between these States and the East, as already exemplified on the Great Western railway; thus leaving for Central Western Canada and the Ottawa Valley the commerce of Lake Michigan ports led directly into Lake Ontario. This subject might be greatly amplified, and with advantage, but time warns us to limit these encouraging speculations, and to turn our attention to the internal condition and prospects of the country we are surveying.

A new state of affairs has arisen in Western Canada during the past two years. High prices have had a marvellous effect, and one which is not without hazard to the farmer, whose industry lies at some distance from the leading lines of traffic. As an illustration we may take Toronto markets, and trace the effects of high prices among many of the smaller farmers of that neighbourhood. The illustration will hold good for every other town and village in the country.

It is necessary to remind you that the majority of the

farmers of Canada have once belonged to the class either of labouring men, or mechanics. They have purchased their farms, probably as wild land, at a time when land could be obtained from 10s. to 20s. per acre. The gradual settlement of the country, added to the results of their own labour, has placed them not only in an independent position, but often made them comparatively wealthy men. How have they expended their wealth? First, in surrounding themselves with comforts; secondly, in purchasing fresh farms (wild land) for their children or themselves. Generally they have retained the primitive method of simply accumulating dollar by dollar the necessary funds, and retaining it in their own homes until a favorable opportunity for expending it occurred. This hoarding process, though very general, has not until lately exhibited any evil effects, because the accumulations were slowly made, small in amount and limited in number. But during the past two years, high prices have enabled farmers to accumulate rapidly and to a large amount. As heretofore, their gains have been expended in the purchase of wild land, and the price of land has risen enormously. Suppose that in one day the farmers about Toronto receive in cash £2,000 for the wheat they bring to market: this sum with a very small deduction disappears at once from circulation; so on day by day until the recipients have accumulated sufficient to make fresh purchases of land, probably in some remote township. Payments are generally made by instalments; and under the prospect of continued high prices, the temptation to secure "lots" of land is irresistible. Not only is a very large sum of money thus withdrawn from circulation, producing a pressure upon commercial transactions, but tens of thousands render themselves liable for payments which the bare occurrence of a decline in the price of wheat to a dollar the bushel would make it difficult, perhaps impossible, for them to meet. It is easy to see how this condition of affairs would react upon the small storekeepers throughout the country, and ultimately upon the merchants. Again it may be observed that during the past two years the value of every kind of farming produce has risen in the same proportion as products adapted for exportation, and must so continue until our great lines of traffic are completed through the great barrier. When these are in active operation, it is possible but not very probable that a reduction may take place. The great increase of population in the Atlantic States, the remarkable falling off in their capabilities to supply themselves, and "reciprocity" will most probably operate in maintaining present remunerative prices for all articles not dependent upon foreign demands. We possess a strong spirit of nationality which keeps us within our own borders. The American, so called, cares not whether he makes his home in Ohio or in Minnesota, in Indiana or in Iowa; he is still in the Union, and knows no home tie sufficiently strong to overcome the desire for gain to be won by moving a thousand miles to the West. Our farmers, it is true, are continually selling out and going deeper into the bush, but this is a process which must gradually exhaust itself, as far as the agricultural region is concerned. They remain, however, in Canada ultimately, as permanent settlers, and become, under the instruction of a continual stream of practical farmers and labourers from the old country, excellent husbandmen. The importance of this feeling of Nationality is liable to be overlooked; it is essentially valuable as conducive to the improvement of the soil and the prevalence of good husbandry. An American of the great producing Western States, rapidly exhausts his farm by repeated croppings, sells out, and seeks new land; a general rise in price, owing to increase of population, settlement, railroads, &c., amply remunerating him for his "improvements." This goes on continually, and the march of the pioneer farmer is always westward. The result is, that the average amount of crops raised in the older states has been continually diminishing for years past; and those which are considered the most advantageously situated with regard to soil, climate, and means of communication, such as Ohio for instance, are positively behind Western Canada in average production. We are continually increasing our averages and improving our farms; ameliorating rather than deteriorating the condition of the soil, because we are a comparatively stationary people. In the States of the Union, the contrary decidedly prevails. We shall soon exceed in absolute production any single state of the American Union, as we now exceed them in relative production. We possess many singular advantages as an agricultural country which are not generally enjoyed by our neighbours. Exactly crossing the centre of Western Canada is a vast series of gypsum beds, from which the excellent fertilizer may

be extracted in a state of great purity at a trifling expense; the same rocks extend as a stripe into New York on the one hand and Northern Michigan on the other. In nearly every part of Western Canada we find limestone, and if not always in the form of massive beds, still as layers between beds of argillaceous shale, and sufficiently pure for agricultural purposes. In the drift clays which cover the country, lies, however, our chief wealth: over the whole of the agricultural region, with the exception of pine-clothed ridges, these drift clays constitute the subsoil, sometimes ten, sometimes two hundred feet thick, and holding up that priceless treasure, pure spring water. So marked is the influence of the Lakes which surround us on our climate, that species of trees which in the Atlantic states only reach the latitude of the middle of Ohio, are found growing in the utmost luxuriance in the valley of the Thames in Western Canada. Neither have we so frequently to lament the occurrence of drought, or of sudden deluges of rain, which distinguish the climates of the North Western states. Under these circumstances of climate, soil, and people, is it not reasonable to anticipate a bright future for the agricultural industry of Western Canada? What then will be the position of this country in 1860? Is this a problem difficult of solution, or is it not partially worked out in the lessons which the past two years have taught us? Let us dwell for a few moments on the scene around us, and then draw conclusions as to what we may be permitted to see before the close of another decade. Yonder to the north, the dividing ridge between the Ottawa Valley and Lake Huron is already gained by the adventurous lumber-men, and the farmers are following from the Ottawa rapidly in their footsteps. Hitherto the rivers and streams flowing to the East have borne, during each spring freshet, the labours of the winter towards the St. Lawrence. The summit ridge has been gained, however, and Lake Huron, begins to receive the treasures of our forests to supply the wants of the West. The crest of the dividing ridge, at the head waters of the Petawawee and Matawa, great affluents of the Ottawa, gives rise to the Muskoka, the Maganetawan and French River, which flow into Lake Huron, and down these noble rivers the first instalment of a vast supply of lumber is preparing for its spring journey to the West, while here and there along the north coast, at the mouths of the rivers, mills are being erected, and the site of future towns marked out. We know what has led to the construction of the slides on the Ottawa; the same necessity will soon overcome the obstacles to be met with in the course of the most important rivers flowing into Lake Huron. Now turn to the south and glance along the lines of railway already completed. See, where the thick forest held absolute sway two years ago, thousands of bright spots illuminated by the sunlight which now reaches them, and growing into little life-giving centres to the scattered industry which has hitherto existed in loneliness and hardship, almost cut off from the humanities of life. Watch these expanding day by day, diffusing life, vigour and hope all around them, and along the great lines of traffic continually increasing in number, and growing in strength, converting silent woods into bustling farms, and pushing the blessings of industry and civilization into the cold heart of the wilderness on every side. Lastly, glance at the Ottawa Valley, and thence to the shores of Lakes Huron and Superior along our wild north-eastern and northern boundary. See how our mineral wealth is already glittering on the surface, won from inexhaustible stores of copper and iron, of more worth to us than "wedges of gold" or "heaps of pearl." One word more before we part. There is nothing illusory in the scene you have been surveying. No mirage to bring out into unnatural relief the brighter spots of the picture; all is solid and severe. The nature and extent of the useful part you may hereafter play in the future of Western Canada, depends entirely upon yourself. All varieties of scene and occupation are open to you, each anxiously seeking to adopt and claim you for its own. And as your heart begins to warm towards those among whom you may choose to cast your lot, seek to acquire and spread a feeling of respect and affection for your new Canadian home, not so much on account of the gifts it so freely and generously offers, but for the independent future it promises to yourself and your children. Remember that you have become one of a PEOPLE, and that you have a proud feeling of nationality to reverence in others and acquire for yourself, which some day, perhaps, may come upon you unawares, bringing with it deep thankfulness for the blessings you have so peacefully won.

HER MAJESTY
By the Queen
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President
Sir A. N
Receiver G
Attorney G
Speaker L
Inspector G
Attorney G
Postmaster
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Customs
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Matthew
Clerk; H.
Green, Ch
extra do.

BUREAU
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3rd do.; J

THE ROYAL FAMILY.

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-Emanuel, Duke of Saxe, Prince of Co-

burg and Gotha, who was born August 26, 1810. Issue: *Victoria-Adelaide-Mary-Louisa*, Princess Royal, b. Nov. 21, 1840; *Albert-Edward*, Prince of Wales, b. Nov. 9, 1841; *Alice-Maud-Mary*, b. April 26, 1843; *Alfred-Ernest-Albert*, b. Aug. 6, 1844; *Helena-Augusta-Victoria*, b. May 26, 1846; *Louisa-Caroline-Alberta*, b. March 18, 1848; *Arthur-William-Patrick-Albert*, b. May 1, 1850; *Leopold-George-Duncan-Albert*, b. April 7, 1853.

PROVINCE OF CANADA.

SEAT OF GOVERNMENT—TORONTO.

GOVERNOR GENERAL.—His Excellency Sir Edmund Walker Head, Bart., Governor General of British North America, and Captain General and Governor-in-Chief of the Provinces of Canada, New Brunswick, Nova Scotia, and the Island of Prince Edward, &c. &c. Viscount Hury, Governor General's Secretary, *Chapt. Retailack*, 16th Regt. A. D. C., Military Secretary, and Principal Aide-de-Camp. Colonel Irvine, Provincial Aide-de-Camp. Lieut. Col. Duchesnay, extra Provincial Aide-de-Camp.

CIVIL SECRETARY'S OFFICE.—Viscount Hury, Secretary; Henry Cotton, Chief Clerk; Philip Hill, Office Keeper; John Boxall, Messenger.

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Speaker Legislative Council—Hon. John Ross.
Inspector General—Hon. William Cayley.
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Postmaster General—Hon. Robert Spence.
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Chief Commissioner Public Works—Hon. Francois Lemieux.
Provincial Secretary—Hon. George E. Cartier.

OFFICERS.—William H. Lee, Clerk of Executive Council; William A. Himsforth, Confidential Clerk; Moore A. Higgins, F. Valleraud, and Oliver Cote, Clerks; Michael Naughton, Doorkeeper; James Ryan, Messenger.

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Corresponding Branch.—C. D. Shanly, Chief Clerk; J. Guy, Clerk; J. W. Harper, Clerk.

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Correspondence, Accounts and Sales East.—W. F. Collins, 1st English Clerk; ———, 1st French do.; V. E. Tessier, 2nd do.; T. Cherrier, 3rd do.; F. D. Dugal, Temporary Assistant; F. Chasse, do.; Thomas Hammond, Registrar.

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Late Surveyor General's Office.—William Spragge, 1st Clerk; Thomas Hector, 2nd do.; H. J. Jones, 3rd do.; F. T. Roche, 4th do.; F. A. Hall, 5th do.

Woods and Forests.—W. M. D. Dawson, 1st Clerk; L. A. Robitaille, 2nd do.; John Tolmie, Accountant.

Jesuit's Estates and Queen's Domain in Lower Canada.—Felix Fortier, 1st Clerk; F. T. Judah, 2nd do.; L. R. Fortier, Temporary Clerk.

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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 Larne, Quebec; Charles François, Farnie, St. Jean Port Joli; Joseph Hamel, Quebec; and John Ostell, Montreal, Provincial Land Surveyors; Secretary, E. T. Fletcher, Quebec.

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GENERAL POST OFFICE.—Hon. Robert Spence, Postmaster

General; William H. Griffin, Secretary; E. F. King, Chief Clerk; E. J. King, Accountant; P. Lesueur, Superintendent Money Order Branch; J. F. McCunig, Inspector Dead Letters; Edward S. Freer, Inspector Montreal Division; H. A. Wicksteed, Inspector Kingston Division; John Dewe, Inspector Toronto Division; G. E. Griffin, Inspector London Division.

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 " Eusebe Cartier, *St. Hyacinthe*.
 " Walter H. Dickson, *Niagara*.

PERMANENT OFFICERS.—J. F. Taylor Clerk, and Master in Chancery; Robt LeMoine, Deputy and Assistant Clerk Master in Chancery, and French Translator; Pennington Taylor, Additional Assistant Clerk, and Chief Office Clerk; E. L. Montzambert, Law Clerk, and English Translator; J. E. Doucet, Additional Assistant Clerk, and Assistant French Translator; W. A. Maingy, do. and 2nd Office Clerk; James Adamson, Clerk of the English Journals; J. G. Couillard, Clerk of the French Journals; Rene Kimber, Gentleman Usher of the Black Rod; Olivier Valierand, Sergeant-at-Arms; Rev. W. A. Adamson, D.C.L., Chaplain and Librarian; Michael Keating, Chief Messenger; Edward Botterell, Doorkeeper, Antioch, Lachance, Messenger; Timothy Neary, do.; Samuel Skinner, do.; James Doherty, do.; John Stanley, do.; John Young, do.; F. Boulet, do.

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. Timothe Brodeur.
Beauce. Dunbar Ross.
Beauharnois. Charles Daoust.
Bellechasse. O. C. Fortier.
Berthier. Pierre Eust. Dostaler.
Bonaventure. Thomas Meagher.
Brant (E. R.). David Christie.
Brant (W. R.). Herbert Hlgar.
Brockville (Town). George Crawford.
Carleton. Wm. F. Powell.
Chambly. Noel Darche.
Champlain. Thomas Marchildon.
Chateauguai. Jacob DeWitt.
Chicoutimi and Tadoussac. David E. Price.
Compton. John Sewall Sanborn.
Cornwall (Town). Roderick McDonald.
Dorchester. Barthelme Pouliot.
Drummond & Arthabaska. J. B. Eric Dorion.
Dundas. John Phiny Cryser.
Durham (E. R.). Francis H. Burton.
Durham (W. R.). Henry Munro.
Elgin (E. R.). George Southwick.
Elgin (W. R.). George MacBeth.
Essex. Arthur Rankin.
Frontenac. Henry Smith.
Gaspe. John LeBoutillier.
Glenary. Hon. J. S. Macdonald.
Grenville (S. R.). Wm. Patrick.

CONSTITUENCIES. NAMES.
Grey. George Jackson.
Haldimand. Wm. Lyon Mackenzie.
Hatton. Geo. K. Chisholm.
Hamilton (City). Sir A. N. MacNab.
Hastings (N. R.). Edmund Murray.
Hastings (S. R.). Billia Flint.
Huntingdon. R. Brown Somerville.
Huron & Bruce. Hon. W. Cayley.
Iberville. Chas. Joseph Loberge.
Joliette. Joseph H. Jobin.
Kamouraska. Jean Chas. Chapais.
Kent. Edwin Larwill.
Kingston (City). Hon. J. A. Macdonald.
Lambton. George Brown.
Lanark (N. R.). Robert Bell.
Lanark (S. R.). James Shaw.
Laprarie. T. J. J. Lorange.
L'Assomption. Joseph Papin.
Laval. Pierre Labelle.
Lenox and Adironding. David Roblin.
Leeds & Grenville (North Riding). Basil R. Church.
Leeds (S. R.). Jesse Delong.
Levis. Francois Lemieux.
Lincoln. Hon. W. H. Merritt.
L'Islet. Chas. F. Fournier.
London (City). John Wilson.
Lutbigne. John O'Farrell.
Maskinonge. Joseph E. Turcotte.
Megantic. Wm. Rhodes.

CONSTITUENCIES. NAMES.
Middlesex (E. R.). Wm. Niles.
Middlesex (W. R.). John Scatcherd.
Missisquoi (E. R.). Jas. M. Ferras.
Missisquoi (W. R.). H. H. Whitney.
Montcalm. Joseph Dufresne.
Montmagny. Napoleon Casault.
Montmorency. Joseph Cauchon.
Montreal (City). Antoine A. Dorion.
Montreal (Hoche). Joseph Laporte.
Montreal (Jacques Cartier Riding). 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). McV. Lumsden.
Ottawa (City). Agar Yelding.
Ottawa. Alanson Cooke.
Oxford (N. Riding). Donald Matheson.
Oxford (S. Riding). Ephraim Cook.
Peel. James C. Atkins.
Perth. Thos. Mayne Daly.
Peterborough. John Langton.

E. F. King, Chief
Sur, Superintendent,
Inspector Dead
Division; John
Triffin, Inspector

the general admin-
School Laws.
Superintendent of
Superintendent of
Marling, Clerk
Marlies; Thomas
Normal School

R.S., Provincial
do, T. S. Hunt,

s.—J. F. Taylor
Chancery; Robt
Assistant Clerk
of French Trans-
or, Additional
Chief Office Clerk;
Law Clerk, and
E. Doncet, Ad-
c, and Assistant
A. Maingy, do.
James Adam-
ish Journals;
of the French
ber, Gentleman
d: Olivier Val-
s; Rev. W. A.
alain and Libra-
Chief Messen-
r, Doorkeeper,
essenger; Timo-
Skinner, do.;
John Stanley,
F. Boulet, do.
assembled. The

CONSTITUENCIES. NAMES.
Pontiac John Egan.
Portneuf Jos. Elle Thibaut
Prescott Henry W. McCann.
Prince Edward . . . David B. Stevenson.
Quebec (City) } Jean Blanchet.
 } Charles Allevy.
 } Hon. Jean Chabot.
Quebec (County) } Francois Evanturelle
Renfrew Jean B. Guermont
Richelieu Joseph C. Tache.
Rimouski Joseph N. Poulin.
Rouville Geo. Byron Lyon.
Russell Pierre Gabriel Huot.
Signeny Louis Violel Scotte.
Saint Hyacinthe Francois Boursassa.
Saint John's L. L. Desaulniers.
Saint Maurice Hon. L. T. Drummond
Shefford Alex. T. Galt.
Sherbrooke (Town) } Wm. L. Felton.
Sherbrooke and }
Wolfe }
Simcoe (N. Riding) } Angus Morrison.
Simcoe (S. Riding) } Hon. W. B. Robinson.
Soulanges Luc H. Masson.
Stanstead Timothy L. Terrill.
Stormont William Mattice.
Temiscouata Benjamin Dionne.
Terrebonne G. M. Prevost.
Three Rivers (Town) } Antoine Polette.
Toronto (City) } Hon. J. H. Cameron.
 } J. G. Bowes.
Two Mountains . . . J. B. Daoust.
Vaudreuil J. B. Mongenais.

CONSTITUENCIES. NAMES.
Vercheres Geo. E. Cartier,
Victoria James Smith.
Waterloo (N. R.) . . M. H. Foley.
Waterloo (S. R.) . . Robert Ferrie.
Welland John Frazor.
Wellington (N.R.) . . Wm. Clarke.
Wellington (S.R.) . . A. J. Ferguson.
Wentworth (N.R.) . . Hon. R. Spence.
Wentworth (S.R.) . . S. B. Freeman.
Yamaska Ignace Gil.
York (N. Riding) . . Joseph Hartman.
York (E. Riding) . . Amos Wright.
York (W. Riding) . . John W. Gamble.

PERMANENT OFFICERS.
Chief Department.—W. B. Lindsay,
Clerk; W. B. Lindsay, Jun., Clerk As-
sistant; W. Ross, Deputy do.; T.
Vaux, Accountant; C. Langevin, As-
sistant do.

General Department.—W. P. Patrick,
Chief Office Clerk; H. Hartney, Asst.
do.; William Spink, Rouline and Re-
cord Clerk; H. B. Stuart, English
Writing do.; E. Denichaud, French
do.; W. B. Ross, Junior Clerk; Hor-
mann Poetter, do.; A. Laperriere, As-
sistant French Writing Clerk.

General Committee Department.—
Alfred Patrick, Clerk of Committees
and of Controverted Elections; J. P.
Leprohon, First Assistant Clerk of
Committees; F. X. Blanchet, 2nd do.

Private Bill Department.—A. Todd,
Clerk of Private Bills; T. Patrick, As-
sistant do. and Clerk of Railway Com-
mittee.

Translators.—G. Levesque, French
Translator of the Laws; A. G. Lajoie,
Assistant do.; D. P. Myrand, French
Translator of Documents; E. P. Dorion,
Assistant do.; W. Fanning, French
Translator of Journals and Routine
Business; F. Badgley, English Trans-
lator; W. Wilson, Assistant do.; W.
P. Power, Extra do.

Journals.—G. M. Muir, Clerk of En-
glish Journals; P. E. Gaynon, Clerk of
French do.; W. H. LeMoine, Assistant
Clerk of French Journals; W. C. Bur-
rage Assistant Clerk of English do.

Library.—W. Winder, Librarian;
Alpheus Todd, Assistant Librarian;
J. Curran, Library Keeper.

Sergeant-at-Arms Department.—D.
W. MacDonell, Sergeant-at-Arms; A.
L. Cardinal, Chief Messenger and
House Keeper; M. McCarthy, As-
sistant Messenger; O. Vincent, do.; J.
O'Connor, Door-keeper; J. Cameron,
Assistant do.

Post Office Department.—R. Defries,
Post Master; Joseph Blais, Assistant
Post Master; P. Laliberte, Messen-
ger.

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.]

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.

POST OFFICE DEPARTMENT.

NEWSPAPERS.

All newspapers published within the Province of Canada, pass by mail free of postage within the Province, whether posted from the office of publication or otherwise.

Newspapers posted in Canada for either of the other British North American Provinces, or coming from thence into Canada, pass free of charge.

Newspapers passing from Canada to the United Kingdom are, if conveyed by the ordinary weekly English mail by way of the States, liable to a charge of one penny each on delivery, being the transit rate levied by the United States; and newspapers from the United Kingdom to Canada, conveyed by the same route, must be pre-paid two pence each in Great Britain.

Newspapers posted in Canada for the United States, pass free to the Frontier. United States newspapers coming into this province are liable to charge at the rate of one penny for every four numbers to regular subscribers, and to 1/2d. each on transient papers, to be collected by the delivering postmaster.

Newspapers for foreign countries and parts abroad, pass under the regulations and rates of charge prescribed by the Imperial Post Office.

Newspapers re-posted in Canada pass free within the Province.

Publishers of newspapers and periodicals may send to their subscribers inclosed in their publications, accounts for subscription and receipts for the same free of charge.

Newspapers when posted, must be so put up as to shew clearly that the packet or envelope covers newspaper matter only—no marks or signs to serve the purpose of written communication will be permitted, either on the paper itself or on the cover, nor any writing other than the address to which the paper is to be sent, and the name of the sender—and if these conditions are not complied with, the newspaper will be liable to charge as a letter by weight.

As much irregularity and disappointment in forwarding newspapers by post is frequently occasioned, when the parcels are insecurely made up or carelessly addressed for

the post, at the offices of publication, postmasters are enjoined, whenever such want of due consideration for the nature of the service to be performed by the post office is frequently manifested, to call the attention of the publisher to the circumstance and request that greater care may be exercised.

Magazines, Periodical and other Printed Matter.

On each magazine or other periodical publication passing between any post office in Canada and any place in British North America, the United States or British West Indies, the ordinary postage rate is—

If not exceeding 3 oz. in weight, 1/4d.

If over 3 oz. in weight, 1/2d.

If the postage on periodicals published in Canada, be paid quarterly in advance, either at the office where posted or at the office of delivery, one half the above rates are charged.

Periodicals when sent in packets to one address within the limit of 4 lbs. to each packet, pass at the rate of 3d. per lb. or fraction of a lb.

The regulations of January 1854, (see last C. Almanac, p. 40.) exempting periodical publications exclusively devoted to the promotion of Science, Education, Temperance, or of Agricultural instruction, from postage charge, remain in force.

Printed circulars, prices current or hand bills, and other printed matter of a like description, and books bound or unbound, passing as above, are charged a rate of one half-penny per ounce or fraction of an ounce, whether sent singly or in packets to one address, under the weight limit of 4 lbs. per packet.

Pre-payment of the foregoing rates on periodicals and circulars and all other printed matter is optional, except when addressed to the United States or British West Indies, and in such cases the charge must invariably be pre-paid; further, on all such printed matter received from the United States and British West Indies, the Canada rate always remains to be collected by the delivering postmaster in this province.

Circulars and other printed papers must be sent unsealed to pass as such, and pamphlets, periodicals, magazines, books, &c., must be put up in covers open at the ends or sides, so that the character of the matter may be seen, and are subject to the same restrictions as to the presence of writing and penalty of letter postage for infringement of regulations, which are hereinbefore detailed as applying to newspapers.

The regulations under which prices current and commercial lists, books, &c., are transmitted to and from the United Kingdom remain unchanged.

Letters, &c., to and from the Government and Legislature of the Province.

All letters and other mallable matter addressed to or sent by the Governor of this Province, or sent to or by any Public Department at the Seat of Government are exempt from provincial postage.

All letters and other mallable matter addressed to or sent by the Speaker or Chief Clerk of the Legislative Council or of the Legislative Assembly or by or to any

member of the said branches of the legislature during any session of the legislature, and letters, &c., so addressed or sent to the same at the seat of government ten days prior to the day fixed for any meeting of the legislature for the despatch of business, and for ten days subsequent to the close of any session of the same, are free of provincial postage.

All public documents and printed papers may be sent by the speaker or chief clerk of the legislative council, or of the legislative assembly, to any member of either of the said branches of the Legislature of Canada, during the recess of Parliament, free of postage.

Members of either branch of the legislature may send during the recess of parliament, by mail, free of postage, all papers printed by order of either branch of the Legislature of Canada.

The public documents and printed papers sent under this clause should bear as part of the superscription, the *bona fide* signature of the Speaker, Chief Clerk (or officer specially deputed for this purpose to act for those functionaries), or member sending the same.

REGULATIONS OF MONEY-ORDER OFFICES.

The following Post Offices are authorized to grant and pay Money Orders for any sum not exceeding £25 Currency:—

LIST OF MONEY-ORDER OFFICES.

Amherstburg.	Coaticook.	Kemptville.	Nicolet.	Preston.	Stanstead.
Aurora.	Cobourg.	Kingston.	Norwich.	Quebec.	Stoney Creek.
Aylmer, L. C.	Compton.	L'Orignal.	Oakville.	Ramsay.	Stouffville.
Ayr.	Cornwall.	Lachine.	Orillia.	Renfrew.	Strabane.
Barrie.	Dereham.	Lachute.	Osbawa.	Richmond Hill.	Stratford.
Bath.	Drummondville, UC	Lacolle.	Otonabee.	Rigaud.	Streetsville.
Bayfield.	Dundas.	Laprairie.	Ottawa.	Rimouski.	Suspension Bridge
Beachville.	Dunville.	Leeds.	Owen's Sound.	Riviere du Loup	Terrebonne.
Beamsville.	Elora.	Lenoxville.	Pakenham.	(en bas.)	Thornhill.
Belleville.	Etobicoke.	Lindsay.	Palermo.	St. Catharines, U.C.	Thorold.
Bentick.	Fergus.	London.	Paris.	St. Eustache.	Three Rivers.
Berlin.	Galt.	Longueuil.	Pembroke.	St. George, Brant.	Toronto.
Berthier (<i>en haut</i>).	Gananoque.	Lyn.	Penetanguishene.	St. Hyacinthe.	Trenton.
Bowmanville.	Georgetown.	Markham.	Perth.	St. John's, L. C.	Vanleekhill.
Bradford.	Goderich.	Melbourne.	Peterboro.	St. Mary's Blanche.	Vienna.
Brampton.	Granby.	Milton, U. C.	Phillipsburg.	St. Theres de	Victoria.
Branford.	Grimsby.	Mitchell.	Pickering.	Blaiville.	Waterdown.
Brighton.	Guelph.	Montreal.	Picton.	Blainville.	Waterford.
Brockville.	Haldimand.	Morpeth.	Pike River.	St. Thomas, Mont-	Waterloo, L. C.
Brooklin.	Hamilton.	Morrisburg.	Port Dalhousie.	magny.	Wellington Square
Burford.	Hatley.	Napanee.	Port Dover.	St. Thomas, U. C.	West Flamboro.
Carlton Place.	Hawkesbury.	Napierville.	Port Hope.	Saugeen.	Whitby.
Cayuga.	Holland Landing.	Newboro'.	Port Robinson.	Sandwich.	William Henry,
Chambly.	Huntingdon.	Newburg.	Port Rowan.	Seneca.	(Sorel).
Chatham, U. C.	Indiana.	Newcastle.	Port Stanley.	Sherbrooke.	Windsor, U. C.
Chippawa.	Ingersoll.	Newmarket.	Prescott.	Simco.	Woodstock.
Clinton.	Kanouraska.	Niagara.		Smith's Falls.	York.

The Commission chargeable on Money Orders is according to the following Scale:—

	COMMISSION CHARGEABLE ON MONEY-ORDERS.	s. d.
For Orders not exceeding £2. 10s.		0 3
Do. over £2 10s., and not exceeding £5.		0 6
Do. over £5 and not exceeding £7. 10s.		0 9
Do. over £7 10s. and not exceeding £10.		1 0
Do. over £10, and not exceeding £12 10s.		1 3
Do. over £12 10s. and not exceeding £15.		1 6
Do. over £15 and not exceeding £17 10s.		1 9
Do. over £17 10s. and not exceeding £20.		2 0
Do. over £20 and not exceeding £22 10s.		2 3
Do. over £22 10s. and not exceeding £25.		2 6

Money Orders are issued and paid at the Money Order Offices between the the hours of 9 a. m. and 4 p. m., and also, at the larger Offices, on Mondays and Thursdays, from 6 to 8 p. m.

Any number of Money Orders may be issued to any one person, but no single Order shall exceed in amount £25 c'y.

Money Orders may be transferred by the *Payee* endorsing the same, payable to another party named. Payment of a Money Order must be obtained before the expiration of the month following that in which it is issued, otherwise a new Order must be obtained, for which the usual commission will be charged.

Money Orders are not granted for fractional parts of a penny.

A Money Order may be repaid at the Office from which issued, but only to the party who originally obtained it. These economical modes have been devised expressly with a view to the security of property; it may reasonably be expected that all persons having occasion to transmit money will avail themselves of the opportunity of securing it; and in no case, by committing property UNREGISTERED to the letter boxes, RISK ITS LOSS.

Letters containing valuable matter may be registered on the pre-payment of 1d. The words "Money Letter" are no longer of any use for the sure transmission of letters.

POSTAGE RATES ON LETTERS FROM CANADA TO EUROPE.

Reduction of postage rates on letters from Canada to France, and to certain countries in Europe, sent from England through France.

Under a postage convention recently concluded between Great Britain and France, letters from Canada and the

other British North American Provinces for France, or for the undermentioned countries when intended to be forwarded from England via France, will for the future be subject to the following rates, when posted for the ordinary closed mails by British mail steamers:—

COUNTRIES

France & Alg.

Luxemburg.
Haden.....
Holland.....
Prussia.....
Bavaria.....
Wurtemberg
Switzerland.
German States

Sardinia.....

Spain.....
Portugal.....

Two Sicilies.
Tuscany.....
Parma & Mod.
Papal States.
Austrian Dom.
Greece.....
Ionian Islands
Northern States
of Europe.

Moldavia.....
Wallachia.....
Turkey in Europe
Constantinople
Dardanelles..
Beirut.....
Smyrna.....
Alexandria..

Mytelene.....
Gallipoli.....

Letters for
Letters for
Letters for
part of the A
Letters for
Letters for
The Postage
Greece, and t
countries and
If Letters i
Halifax, or b

On
On
Being the tr
When such
Government
Boston Briti

In consequ
the Steamers
exigencies o
England ha
weeks by Br
the former

* Hohenz
Saxe Coburg
Frankfurt o
† Hanove
Serbia, Pola

COUNTRIES.	Not exceeding $\frac{1}{4}$ oz. in weight.	Exceeding $\frac{1}{4}$ oz. and not over $\frac{1}{2}$ oz.	Exceeding $\frac{1}{2}$ oz. and not over $\frac{3}{4}$ oz.	Exceeding $\frac{3}{4}$ oz. and not over 1 oz.	Exceeding 1 oz. and not over $1\frac{1}{4}$ oz.	Exceeding $1\frac{1}{4}$ oz. and not over $1\frac{1}{2}$ oz.	Exceeding $1\frac{1}{2}$ oz. and not over $1\frac{3}{4}$ oz.	Exceeding $1\frac{3}{4}$ oz. and not over 2 oz.
France & Algeria	1s. $4\frac{1}{2}$ d. Stg. equal to 1s. 8d. Cy.	2s. 7d. Stg. or 3s. 2d. Cy.	3s. 11 $\frac{1}{2}$ d. St. or 4s. 10d. Cy.	5s. 2d. Stg. or 6s. 4d. Cy.	6s. 8 $\frac{1}{2}$ d. Stg. or 8s. 2d. Cy.	7s. 11d. Stg. or 9s. 8d. Cy.	9s. 1 $\frac{1}{2}$ d. St. or 11s. 2d. Cy.	10s. 4d. Stg. or 12s. 8d. Cy.
Luxemburg								
Radon								
Holland								
Prussia	1s. 8d. Stg. or 2s. 1d. Cy.	3s. 2d. Stg. or 3s. 11d. Cy.	4s. 10d. Stg. or 5s. 11d. Cy.	6s. 4d. Stg. or 7s. 9d. Cy.	8s. 2d. Stg. or 10s. Cy.	9s. 8d. Stg. or 11s. 10d. Cy.	11s. 2d. Stg. or 13s. 8d. Cy.	12s. 8d. Stg. or 15s. 6d. Cy.
Bavaria								
Württemberg								
Switzerland								
German States* ..								
Sardinia	1s. 10d. Stg. or 2s. 3d. Cy.	3s. 6d. Stg. or 4s. 4d. Cy.	5s. 4d. Stg. or 6s. 6d. Cy.	7s. Stg. or 8s. 7d. Cy.	9s. Stg. or 11s. Cy.	10s. 8d. Stg. or 13s. Cy.	11s. 8d. Stg. or 14s. 3d. Cy.	14s. Stg. or 17s. 1d. Cy.
Spain	1s. 7d. Stg. or 2s. Cy.	3s. Stg. or 3s. 8d. Cy.	4s. 7d. Stg. or 5s. 7d. Cy.	6s. Stg. or 7s. 4d. Cy.	7s. 9d. Stg. or 9s. 6d. Cy.	9s. 2d. Stg. or 11s. 2d. Cy.	10s. 7d. Stg. or 13s. Cy.	12s. Stg. or 14s. 8d. Cy.
Portugal								
Two Sicilies								
Tuscany								
Parma & Modena ..								
Papal States	2s. 1d. Stg. or 2s. 7d. Cy.	4s. Stg. or 4s. 11d. Cy.	6s. 1d. Stg. or 7s. 6d. Cy.	8s. Stg. or 9s. 10d. Cy.	10s. 3d. Stg. or 12s. 6d. Cy.	12s. 2d. Stg. or 14s. 10s. Cy.	14s. 1d. Stg. or 17s. 2d. Cy.	16s. Stg. or 19s. 8d. Cy.
Austrian Domin. ..								
Greece								
Ionian Islands								
Northern States of Europe†								
Moldavia	2s. 7d. Stg. or 3s. 2d. Cy.	6s. Stg. or 6s. 1d. Cy.	7s. 7d. Stg. or 9s. 5d. Cy.	10s. Stg. or 12s. 2d. Cy.	12s. 9d. Stg. or 15s. 7d. Cy.	15s. 2d. Stg. or 18s. 6d. Cy.	16s. 11d. St. or 20s. 8d. Cy.	19s. 4d. Stg. or 23s. 6d. Cy.
Wallachia								
Turkey in Europe ..								
Constantinople								
Dardanelles	2s. Stg. or 2s. 6d. Cy.	3s. 10d. Stg. or 4s. 9d. Cy.	5s. 10d. Stg. or 7s. 2d. Cy.	7s. 8d. Stg. or 9s. 5d. Cy.	9s. 10d. Stg. or 12s. Cy.	11s. 8d. Stg. or 14s. 3d. Cy.	13s. 6d. Stg. or 16s. 6d. Cy.	15s. 4d. Stg. or 18s. 8d. Cy.
Beirut								
Smyrna								
Alexandria								
Mytelene	2s. 1d. Stg. or 2s. 7d. Cy.	4s. Stg. or 4s. 11d. Cy.	6s. 1d. Stg. or 7s. 6d. Cy.	8s. Stg. or 9s. 10d. Cy.	10s. 3d. Stg. or 12s. 6d. Cy.	12s. 2d. Stg. or 14s. 10d. Cy.	14s. 1d. Stg. or 17s. 2d. Cy.	16s. Stg. or 19s. 8d. Cy.
Gallipoli								

OBSERVATIONS.

Letters for Luxemburg, Holland, Prussia, and the German States, intended to be sent *via* France, must be so directed. Letters for Cadiz and Vigo, are forwarded by Peninsular Packet, unless specially addressed *via* France.

Letters for Portugal, intended to be sent *via* France, must be so directed.

Letters for Venetian Lombardy are forwarded through France, unless otherwise addressed; but letters for any other part of the Austrian dominions, intended to be sent *via* France, must be so directed.

Letters for the Ionian Islands and the Northern States of Europe, intended to be sent *via* France, must be so directed. Letters for Alexandria intended to be sent by the French Mediterranean Packets, must be so directed.

The Postage upon letters for Spain and Portugal, as well as those intended to be sent *via* Austria to Parma, Modena, Greece, and the Ionian Islands, must be paid in advance; but letters addressed to any other of the above mentioned countries and places may either be paid in advance or forwarded unpaid, at the option of the sender.

If Letters for France, or for any of the countries above named, *via* France, are forwarded from Canada by Quebec and Halifax, or by Canadian steamer, there will be a reduction on the foregoing rates of:—

On each Letter weighing not exceeding $\frac{1}{4}$ oz.	2d. Sterling.
On do, over $\frac{1}{4}$ oz., and not exceeding 1 oz.	4d. Sterling.
On do, over 1 oz., and not exceeding 2 oz.	8d. Sterling.

Being the transit rate payable to the United States, on letters sent in the ordinary closed Mails *via* Boston.

When such letters are forwarded in the closed Mails by way of New York for conveyance to England by American Government Packet, the charge will be 1s. Sterling per oz., in addition to the rates calculated for the transmission by Boston British Packet.

POSTAGE RATE ON LETTERS TO AND FROM THE UNITED KINGDOM.

In consequence of the withdrawal of many of the Atlantic Steamers belonging to the Cunard line, to meet the exigencies of the war, the mails between America and England have, since last autumn, been carried in alternate weeks by British and United States Government Packets—the former plying once a fortnight to Boston and the latter

to New York—the postage rate upon letters between Canada and the United Kingdom, when sent in the weeks supplied by the British Packets, is 8d. sterling, (10d. currency) per $\frac{1}{4}$ oz.; but when transmitted by the mails sent in the weeks served by the United States Government Steamers the rate is 1s. 2d. stg. (1s. 4d. currency) per $\frac{1}{4}$ oz.

* Hohenzollern, Birkenfeld, Hesse Homburg, Lippe Detmold, Schwartzburg, Rudolstadt, Reuss, Anhalt, Nassau, Saxe Coburg Gotha, Saxe Meiningen, Hildburg, Hausen, Hesse (Electoral), Hesse Darmstadt, Saxe Weimar Eisenach, Frankfurt on the Maine, Hamburg, Bremen, and Lubeck.

† Hanover, Saxony Mecklenburgh-Schwerin, Mecklenburgh Strelitz, Brunswick, Oldenburg (except Birkenfeld), Serbia, Poland and Russia.

Letters forwarded through the United Kingdom, between Canada and Her Majesty's forces in Turkey, Greece, the Black Sea, (including the Crimea) the Baltic and the White Sea, must be invariably pre-paid:—

GREECE, TURKEY, AND BLACK SEA, INCLUDING THE CRIMEA.	
Letters for or from Commissioned or non-Commissioned Officers, Soldiers, Seamen, or any other person belonging to the Army, Navy, Ordnance, Commissariat, Medical Department, Land Transport Corps, Army Work Corps, or Turkish Contingent.	Weighing under $\frac{1}{4}$ oz. Exceeding $\frac{1}{4}$ oz. and not exceeding $\frac{1}{2}$ oz. do. $\frac{1}{2}$ oz. and not do. do. $\frac{3}{4}$ oz. and not do. do. 1 oz. and not do. do. 1½ oz. and not do. do. 2 oz. and not do. do. 3 oz. and not do. do. 4 oz. and not do. do. 5 oz. and not do. do. 6 oz. and not do.

BALTIC, WHITE SEA, AND HELIGOLAND.

Letters to or from Commissioned or Warrant Officers, Seamen or any other person serving on board Her Majesty's Fleets in the Baltic and White Sea, and to or from Commissioned or non-Commissioned Officers, Soldiers or any other person serving in the Foreign Legion at Heligoland.

Weighing under $\frac{1}{4}$ oz. Exceeding $\frac{1}{4}$ oz. and not exceeding $\frac{1}{2}$ oz. do. $\frac{1}{2}$ oz. and not do. do. $\frac{3}{4}$ oz. and not do. do. 1 oz. and not do. do. 1½ oz. and not do. do. 2 oz. and not do. do. 2½ oz. and not do. do. 3 oz. and not do. do. 3½ oz. and not do. do. 4 oz. and not do. do. 5 oz. and not do. do. 6 oz. and not do.	Os. 11d. 1s. 2d. 2s. 4d. 3s. 10d. 4s. 4d. 5s. 4d. 6s. 10d. 7s. 8d. 8s. 4d. 9s. 7d. 10s. 8d. 11s. 4d. 12s. 4d.
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Letters addressed to non-commissioned officers, soldiers or seamen, serving in Her Majesty's forces at the Seat of War, may be forwarded from Canada via Quebec and Halifax, on payment of one penny at the time of posting—provided that the letter does not exceed half an ounce in weight; if above that weight, letters so addressed are liable to the ordinary postage rates as laid down in the foregoing tables.

BOOK POST WITH ENGLAND.

Printed books, magazines, reviews or pamphlets, whether British, Colonial or Foreign, may be sent through the post between Canada and the United Kingdom, under the following regulations:—

A book packet may contain any number of separate books, publications, works of literature or art, almanacs, maps or prints, and any quantity of paper, vellum or parchment (to the exclusion of letters whether sealed or open), and the books, maps, paper, &c., may either be written, printed or plain, or any mixture of the three, and may be either British, Colonial or Foreign.

The name and address of the sender, or anything else not in the nature of a letter, may also be written or printed upon the envelope or cover of the packet in addition to the name and address of the person to whom it may be forwarded.

All legitimate binding, mounting or covering of the same, or of a portion thereof, will be allowed as part of the packet, whether such binding, &c., be loose or attached, as also rollers, in the case of prints and maps, and whatever may be necessary for the safe transmission of literary or artistic matter, or usually appertains thereto, and the postage is to be rated upon the gross weight of the packet.

The rates of postage on book packets remain as at present, viz. :—

For each packet not exceeding $\frac{1}{2}$ lb. 6d. stg., 7½d. cy.
 Do. above $\frac{1}{2}$ lb., and not ex. 1 lb. 1s. stg., 1s. 3d. cy.
 Do. above 1 lb., and not ex. 2 lbs. 2s. stg., 2s. 6d. cy.
 Do. above 2 lbs. and not ex. 3 lbs. 3s. stg., 3s. 9d. cy.
 and so on, adding 1s. sterling for each additional lb. weight.

The following conditions must be carefully observed, as prescribed by the Imperial Post Office:—

Every book packet must be either without a cover, or in a cover open at the ends or sides.

It must not contain any letter, open or sealed, or any sealed enclosure whatever.

No packet must exceed two feet in length, breadth or width.

The postage of book packets must be paid in advance. Printed votes and proceedings of the Imperial Parliament and Colonial Legislatures are subject to the above charges and regulations when sent by book post between Canada and the United Kingdom.

All book post matter intended to be sent to the United Kingdom from Canada, must, as heretofore, be forwarded upon Quebec for transmission either via Halifax; or in summer, by Canadian steamer.

Books cannot be forwarded except at letter postage rates by the mails sent to England through the United States.

FINANCIAL.

Statement shewing the Cost of the Chief Provincial Works.

St. Lawrence Canals	£1,670,342	4	6
Welland Canal	1,671,776	6	3
Chambly Canal and River Richelieu	104,662	16	0
Lake St. Peter	73,558	15	5
Burlington Bay Canal	52,773	7	2
Ottawa Works	145,994	15	1
Harbours & Light Houses	£239,242	15	10
Montreal Harbour	120,356	13	4

Improvements of the Trent	419,599	9	2
Roads and Bridges, U. C.	13,626	11	0
Do. do. L. C.	£222,106	1	8
Do. Montreal Turnpike			
Do. Trust	50,750	0	0
Do. Quebec do.	33,882	0	0

Provincial Penitentiary	306,738	1	8
Miscellaneous	34,207	15	1
	17,914	0	0

£5,307,864 17 8

Statement of Debentures issued on behalf of various Special Accounts, for which the Government is partially liable, up to 31st January, 1855.

Quebec Fire Loan	£88,110	0	0
Law Society, Upper Canada	3,000	0	0
Lunatic Asylum	24,250	0	0
Upper Canada Building Fund	30,000	0	0
Court Houses, Lower Canada	47,157	9	10
St. Lawrence and Atlantic Railroad	486,666	13	4
Great Western Railroad	739,000	0	0
Huron, Ontario, and Simcoe Railroad	577,916	13	4
Grand Trunk Railroad	2,203,991	13	4
Consolidated Municipal Loan	1,172,916	13	4

£5,359,009 3 2

The Public Debt for the Year ending 31st January, 1855.			
Sterling Debentures in England	£3,511,688	11	11
Provincial Debentures in Canada	842,260	13	10

£4,353,949 5 9

ACT

I. Any suit in Court in amount not exceeding £100, in the Court before or either of them, or carry on their notwithstanding at such time, different court, cause of action taken for the of and in the same the defendant action arose in the nature of a be executed on counties over the same issue when the defendant, when the one in which defendants resmons shall be does not, nor e than one, reside or an adjourn twenty days a which the ca defendants det forty-third sec Act of 1850, h in writing to t action is to be tion, at least f provided that had not been fendant or def unless such d the hearing of part thereof, u terms as to pa just.

II. The Bail may, and he l and execute a sion Court th although the Court of whic the Clerk of that he shall of the Divisi mileage for any county in whi in the service that nothing alter the law f as provided fo

III. It shal Court in Uppe tiff or defenda one, having such Court, c entry of such same to the other county foot thereof; s of the said Co Judgment, ar which certifi Division Cou it shall be his certificate, to his office for s Judgment ac proceedings s ing and colle by the officers Upper Canada covered in an Clerk shall al summonses to service, and receive thos Clerk for serv for that purp

ACT TO EXTEND JURISDICTION OF DIVISION COURTS.

[Assented to 30th May, 1856.]

I. Any suit or cause of action cognizable in a Division Court in amount, may be entered and tried in the Court holden in the Division in which the cause of action arose, or in the Court holden in the Division in which the defendant, or either of them when there are more than one, shall reside or carry on his business at the time the action is brought, notwithstanding that the defendant or defendants may at such time reside in a different county or division, or different counties or divisions, from that in which the cause of action arose: and all such proceedings shall be taken for the obtaining judgment and the recovery thereof, and in the same manner to all intents and purposes as if the defendant or defendants resided, and the cause of action arose in the same division, except that no writ in the nature of a writ of *Fieri Facias* or attachment, shall be executed out of the limits of the county or united counties over which the Judge of the Court from which the same issued, shall have jurisdiction: Provided that when the defendant, or when there is more than one defendant, when one of them resides in a county adjoining the one in which the action is brought, and none of the defendants resides in the last mentioned county, the summons shall be served fifteen days, and when the defendant does not, nor does either defendant where there is more than one, reside in the county, where the action is brought, or an adjoining county, the summons must be served twenty days at least before the holding of the court at which the cause is to be tried, and if the defendant or defendants desire to make any defence mentioned in the forty-third section of the Upper Canada Division Courts Act of 1850, he, or one of them, shall give notice thereof in writing to the Clerk of the Division Court in which the action is to be tried, in the manner provided by that section, at least five days before the holding of such court; provided that if it shall appear to the Judge that such notice had not been given, without the wilful default of the defendant or defendants, and that injustice would be done unless such defence should be allowed, he may adjourn the hearing of the cause, or such defence thereto, or any part thereof, until the next sitting of the court, upon such terms as to payment of costs as shall appear to him to be just.

II. The Bailiff of any Division Court in Upper Canada may, and he is hereby authorized and required to serve and execute all summonses, writs and orders of any Division Court that shall be delivered to him for service, although the same may have been issued from a Division Court of which he is not Bailiff, and to return the same to the Clerk of the Court of which he is Bailiff: Provided that he shall not be required to travel beyond the limits of the Division of which he is Bailiff, or allowed to charge mileage for any distance travelled beyond the limits of the county in which the Court of which he is Bailiff is situated. In the service or execution of such process: And provided that nothing herein contained shall be construed so as to alter the law for the issuing or execution of attachments as provided for by the said Division Courts Act of 1850.

III. It shall be the duty of the Clerk of any Division Court in Upper Canada, upon the application of the plaintiff or defendant, or one of them when there are more than one, having an unsatisfied Judgment in his favour in such Court, or his agent, to prepare a transcript of the entry of such Judgment in such Court, and to send the same to the Clerk of any other Division Court, in any other county in Upper Canada, with a certificate at the foot thereof, signed by such Clerk and attested by the seal of the said Court, stating the amount unpaid upon such Judgment, and the date at which the same was recovered, which certificate shall be addressed to the Clerk of the Division Court to whom it is intended to be delivered; and it shall be his duty upon the receipt of such transcript and certificate, to enter the transcript in a book to be kept in his office for such purpose, and the amount due on such Judgment according to such certificate; and all other proceedings shall and may be had or taken for the enforcing and collecting such Judgment in such Division Court, by the officers thereof, that can be had or taken, under the Upper Canada Division Courts Acts, upon Judgments recovered in any Division Court, for the like purpose; such Clerk shall also be bound when required, to forward all summonses to the Clerk of any other Division Court for service, and to receive the same when returned, and to receive those sent to him by any other Division Court Clerk for service, and to enter them in a book to be kept for that purpose, and to hand the same to the Bailiff for

service, and to receive them from the Bailiff, and to return them to the Clerk from whom he received them; and also to give to any party to a suit, or his agent, copies of subpoenas for his witnesses, when requested so to do.

IV. All the provisions of the Upper Canada Division Courts Acts, in reference to costs in any suit brought in any Superior Court for a cause of action cognizable in a Division Court under those Acts, shall apply to any action which shall be so brought for any cause of action cognizable in the Division Courts under this Act.

V. And whereas it is desirable to increase the fees of the Clerks and the Bailiffs of the said Courts: Be it enacted, that from and after this Act shall come into force, the said Clerks shall be entitled to the fees enumerated in the Schedule A, hereto annexed, for the services therein mentioned, instead of the fees mentioned in the said Acts; and that the Bailiffs shall be entitled to five pence per mile instead of the mileage allowed by the said Act.

VI. This Act shall come into force on the first day of July next after the passing thereof.

SCHEDULE A.

	Not Exceeding £5.	Exceeding £5. and not £15.	Exceeding £15.
Entering every Account and Issuing Summonses	£ s. d. 0 1 0	£ s. d. 0 1 6	£ s. d. 0 2 0
Copy of Summonses, Particulars of Demand or Set Off, each....	0 0 6	0 0 9	0 1 0
Every Summonses to Witnesses with any number of Names.....	0 0 6	0 0 6	0 0 6
Entering Bailiff's returns to Summonses to Defendant	0 0 3	0 0 3	0 0 4
Every copy of Subpoena when made by the Clerk	0 0 3	0 0 3	0 0 3
Entering Set Off or other Defence requiring notice to Plaintiff	0 0 9	0 1 0	0 1 0
Adjournment of any Cause ...	0 1 0	0 1 0	0 1 0
Entering every Judgment or Order made at hearing	0 0 9	0 1 0	0 1 3
Taking Confession of Judgment	0 0 9	0 0 9	0 0 9
Every Warrant, Attachment or Execution	0 1 3	0 1 6	0 2 0
Every copy of Judgment to another County	0 1 3	0 1 3	0 1 3
Transcript or Certificate of Judgment for Registration in the County Registry Office ..	0 1 3	0 1 3	0 1 3
Entering and giving notice of Jury being required	0 1 0	0 1 3	0 1 6
Making out Summonses to Jury, for each Jurymen	0 0 6	0 0 6	0 0 6
For every Affidavit taken, and drawing the same	0 1 0	0 1 0	0 1 0
Returns to Treasurer, to be paid out of the Fee Fund, including attendance on the Judge to audit the same, each, and to be retained from the Fee Fund in his hands..	1 0 0	1 0 0	1 0 0
Every search on behalf of a person not a party to a suit, to be paid by the Applicant.	0 0 6	0 0 6	0 0 6
Every search for a party to a Suit when the proceedings are over a year old	0 0 6	0 0 6	0 0 6
Transmitting papers for service to another County or Division, in addition to the necessary Postage on transmission and return	0 1 0	0 1 0	0 1 0
Receiving papers from another County or Division for service, entering same in a book, handing the same to the Bailiff, and receiving his return, to be paid when the claim is filed or defence entered	0 1 0	0 1 0	0 1 0

CANADIAN PATENTS,

Issued by the Bureau of Agriculture and Statistics, from 6th July, 1842, to 30th June, 1855.

George Riley—An improved method of brewing ale, beer, Porter and other malt liquors. July 6, 1842.
 W. Arms—Smut machine for clearing grain. July 26, 1842.
 Edward Belanger—Machine hung with nets, for fishing and taking eels. August 25, 1842.
 David Alexander—Improvement to the stoves cast in Scotland and Three Rivers in Canada, commonly called Canada box stoves. August 31, 1842.
 Jacob Baker—An improvement in the construction of pen-stocks and water wheel. September 20, 1842.
 John Lamb—A new and useful description of water wheel, on a new principle, possessing many advantages over those now in use. October 3, 1842.
 Harvey Tripp—New and useful method of constructing wheels to be driven by water. December 12, 1842.
 D. A. McDonald—Drilling machine, for the purpose of boring and drilling holes &c., in rock canal quarries, or for any other purposes. December 19, 1842.
 Asa H. Hough—Improvement upon a newly constructed suction and forcing pump. Feb. 20, 1843.
 William Creighton—Improvement in the rotary steam engine, heretofore in use. March 31, 1843.
 John Lamb—New and improved water-wheel. Ap. 3, 1843.
 Louis Lemelin—Fire-engine. June 1, 1843.
 John O. Brown—Improved trusses. July 5, 1843.
 Peter R. Lamb—Improved washing machine. July 7, 1843.
 John Montgomery—Composition for preventing and extinguishing fires. August 9, 1843.
 Isaac Gouverneur Ogden—Machine for propelling vessels or other floating bodies by the action of heated air, gasses, steam, or other expansive or explosive materials on the fluid in which they are intended to act. Aug. 14, 1843.
 Edward Gingras—A new and useful method of constructing springs for carriages. September 16, 1843.
 Hiram Bigelow—Revolving drying kiln for the purpose of drying wheat or other grain. September 29, 1843.
 Alexander Carpenter—New mode of applying heat in the process of cooking with stoves by means of a horizontal and perpendicular return flue. October 10, 1843.
 George T. Meckellman—New construction of mangle for mangling clothes. November 24, 1843.
 George Riley—New mode of distilling and rectifying spirituous liquors. December 15, 1843.
 A. Adams—Machine for grinding clay. Jan. 8, 1844.
 Hiram Bigelow—New and improved revolving drying kiln. January 9, 1844.
 Frederick Hull—Self propelling gate. January 27, 1844.
 J. M. Holland—Spike machine. March 6, 1844.
 William McCall—Mode by which power to be derived from the use of the wheel and screw may be applied to any kind of machinery. May 30, 1844.
 William Langmead—Improvement in the manufacture of cooking stoves. June 29, 1844.
 John Hearle—Engine pump or fire engine. June 29, 1844.
 William Armstrong—Portable fire extinguishing machine. September 3, 1844.
 Thomas Proudlock—Method of pumping ships and other vessels, called "The Seaman's Friend." Oct. 14, 1844.
 George Milligan—New method of constructing piano fortes. November 21, 1844.
 Joseph Smolinski—A new cast-iron cooking and caloriferous stove; and an alteration in the construction of the crockery or brick stove, being an improvement on the stove introduced by one John Vannerous. Nov. 21, 1844.
 Chandos Hoskys—An improvement in the truss for the alleviation and cure of lumbago. Jan. 31, 1845.
 Jean F. C. Ouellet—New method of propelling vessels, carriages, &c., by machinery, without the agency of fuel. March 6, 1845.
 Elias Nichols—New method of constructing water wheels. April 4, 1845.
 Ebenezer E. Gilbert—A new and useful method of constructing counter balance machines. May 21, 1845.
 Nicol Hugh Baird—New method of constructing paddle wheels, of the description termed sweeping paddle wheels, for propelling steam and other vessels. May 30, 1845.
 E. E. Gilbert—Counter balance machines. June 25, 1845.
 Samuel R. Warren—Method of constructing harmonic attachments for piano fortes. July 9, 1845.
 J. Griffiths—Improvement in riding saddle. July 14, 1845.
 Lewis Ives—Improved capstan for loading or unloading merchandise or timber from vessels, denominated "Ives's connected capstan." July 16, 1845.

Lewis Ives—Improved method of loading and unloading timber vessels. July 19, 1845.
 William Watts—Potatoe digger. July 19, 1845.
 John Harris—Revolving horse rake. August 4, 1845.
 John Maitland—New principle of distillation and rectification. August 12, 1845.
 Albert Young—Metallic coil spring-tooth horse rake. August 18, 1845.
 Albert Young—New method of making rakes for making hay and grain. August 22, 1845.
 James McKay—New and improved steam engine. Sept. 10, 1845.
 Francois Nadeau—New and improved mode of constructing windows. September 18, 1845.
 Alex. Hebert—New and improved sawing machine. Oct. 10, 1845.
 Moyses Morin—New and improved nets for taking seals and porpoises. October 15, 1845.
 Benjamin F. Tibbatts—New and improved steam engine. November 10, 1845.
 James Cull, Jr., and Charles Cull—New principle in the construction of a still. November 29, 1845.
 Jasper Ball—New and improved churn. Jan. 7, 1846.
 Jenkins Lloyd—Cast iron plough. January 17, 1846.
 Albert Young—House pump or fire engine. Feb. 14, 1846.
 George K. Burrows—New method of making presses for the purpose of pressing clay and other ductile substances. February 27, 1846.
 W. McKinlay—Horse thrashing machines. Feb. 27, 1846.
 A. Trepanier—Machine for working stone. March 4, 1846.
 Francis Gore Wilson—Important improvements in the tanning mill. March 13, 1846.
 George Riley—Still for distilling and rectifying spirituous liquors. March 13, 1846.
 Horatio A. Rockwell—Yoke for Oxen. March 24, 1846.
 Louis Lemelin—Apparatus for raising all kinds of nets or other instruments used in taking porpoises and other species of fish. April 6, 1846.
 Richard H. Oates—Improved method of making mill stones. April 25, 1846.
 David J. Ellis—Machine for making brick. April 25, 1846.
 Henry Ruttan—Furnace by which houses and other buildings may be heated by hot air. May 2, 1846.
 Ephraim Duell—New and improved churn. May 6, 1846.
 William McLean—Revolving battery. May 26, 1846.
 Jonas Philip Lee—Improvement in the method of constructing knitting looms. June 4, 1846.
 Samuel S. Jones—Cooking stove. June 13, 1846.
 Harrison Colby—Gas generator. June 23, 1846.
 James Campbell—Towing machine, for towing vessels up rapids. June 23, 1846.
 G. Warren Johnson—Holsting Machine. June 24, 1846.
 Gordon Warren Johnson—Improved holsting machine. June 26, 1846.
 Noah Shaw—Portable Grist Mills. August 3rd, 1846.
 Charles Midgley—Planing machine. August 10, 1846.
 Henry Ruttan—Hot air generator. August 23, 1846.
 John Mills—Improved method of generating and distributing heated air. September 1, 1846.
 Joseph Paradee—Revolving joint tooth horse rake. September 24, 1846.
 Amos Tyler—Coupling machines for railroad cars, or self-detachers. September 26, 1846.
 Amos Tyler—New method for constructing bee-hives. September 26, 1846.
 Amos Tyler—Snow excavator, for removing the snow from the track of rails. September 26, 1846.
 A. Tyler—Spark arrester and extinguisher. Sept. 26, 1846.
 George Riley—Stills for distilling and rectifying spirituous liquors. October 1, 1846.
 Joseph Paradee—A new method of constructing rakes for making hay and grain, called the improved revolving joint-tooth spring lever horse rake. Oct. 8, 1846.
 John Mills—Hot air furnaces. October 10, 1846.
 William T. Barnes—Improved description of "the iron" to be used in blacksmith's forges. October 21, 1846.
 Stephen Mills—Improvement in constructing wooden bridges. Nov. 23, 1846.
 Harrison Colby—New gas generator. December 12, 1846.
 John Livingston—New description of water wheel. December 14, 1846.
 Henry Ruttan—Inventor of a metal heater for houses, &c.; a cooking range, and hot-air, and vapour generator. December 15, 1846.

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- William McLean—Steamboat regulator. Dec. 17, 1840.
 J. McLaren—Improved stump extractor. Jan. 11, 1847.
 Daniel Cleal—New mode of setting boilers and arranging the flues for applying heat to the same, for steam engines. January 23, 1847.
 Louis Lemlou—Machine for making wooden shavings, suitable for the fabrication of band-boxes for hats, matches, and cases of all descriptions. Jan. 25, 1847.
 Henry Ruttan—Improved cooking range and hot-air vapour generator. January 27, 1847.
 I. Carter—Hot air cooking and heating stove. Mar. 13, 1847.
 Jonathan B. Massey—New and improved method of constructing cisterns. April 3, 1847.
 Horace H. Davison—Improved heeling for fastening the scythe to the snath. April 10, 1847.
 Horace H. Davison—Improved double flue steam generator and boiler for locomotives, steamboats and other purposes. April 10, 1847.
 Horace H. Davison—Improved portable lamp fluid. April 10, 1847.
 Jason C. Gillett—Machine for cutting shingles, staves, veneers, &c. May 1, 1847.
 Wm. Armstrong—Portable fire extinguishing machine. May 3, 1847.
 J. Westman—Machine usually named bellows. May 9, 1847.
 Sanford A. Fleming—New method of propelling locomotives. June 4, 1847.
 Gilbert McMicken—Certain improvements in the use and application of the principle of the electro-magnetic telegraph. June 8, 1847.
 Peter Frazer—New description of machine for churning. June 26, 1847.
 Gilbert McMicken—Improvement in the method of constructing electro-magnetic telegraph. June 29, 1847.
 Peter R. Beaupre—Improvement in the manner of making, using and working a lifting and floating marine dock. July 19, 1847.
 James McGee—New and useful method of rotting hemp and flax by artificial means. August 6, 1847.
 Peter Deal—Preparation for all kinds of oil paints, for house painting and other kinds of painting, and especially to be used with lead paints. August 7, 1847.
 Melzer T. Thomas—Improved churn. August 14, 1847.
 A. Adams—A revolver brick receiver. August 14, 1847.
 James McGee—New method or process of rotting of hemp and flax by artificial means. August 14, 1847.
 E. S. Dekotermund—Improvement in constructing grist mills.—Aug. 21, 1847.
 E. S. Dekotermund—Flour sifters. August 26, 1847.
 Thos. Brill—A screw right and left reversed water-wheel. September 3, 1847.
 G. Fabes Prouse—Hot air furnace. September 11, 1847.
 Wm. Muir—New mode of constructing the bed plates of end working fire engines, and in the method of placing the supply and delivery valves of such engines. Oct. 27, 1847.
 Michael Dyer—Shower-baths. November 10, 1847.
 Peleg Bowen—New coiled spring tooth revolving horse rake. December 13, 1847.
 William Walsh—Horse collar. January 8, 1848.
 T. Brown—Smut mill for cleaning grain. March 2, 1848.
 James Baillie—Saw gates for saw mills. April 12, 1848.
 Horace H. Davison—Double revertable flue steam generators and boilers. April 19, 1848.
 William Partridge—Ditching machine. April 22, 1848.
 John Butler—Improved machine for manufacturing bricks. May 2, 1848.
 John McMichael—Improvement or addition to a stump extracting machine. May 26, 1848.
 Antipas M. Byron—Hay rakes. June 19, 1848.
 John Ritchie—Saw mills for slabbing logs and sawing slabs. June 19, 1848.
 Henry Ruttan—Discoverer of the true philosophical principles upon which buildings may be ventilated; and also of machinery by which the ventilating air may be warmed. June 23, 1848.
 John Helm—Certain improvements in the construction of mills for the manufacture of lumber with circular saws. June 24, 1848.
 Angus McQueen—Economical power machine or hydraulic force pump machine for raising buildings, stumps, &c. June 24, 1848.
 Peter R. Lamb—Improved method of manufacturing glue. June 26, 1848.
 Edward T. Jones—An improvement in the construction of four-wheeled carriages, to wit, a plan for facilitating the turning of the same in a short space. June 27, 1848.
 Henry Ruttan—The Canadian ventilator. July 25, 1848.
 Reuben P. Cotton—Improvement on Buck & Hathaway's patent cook stove. August 1, 1848.
 R. P. Colton—Improved air-tight box stove. Aug. 1, 1848.
 Nathan Wharton—New process for tempering and hardening the teeth of saws used for milling and other purposes. August 1, 1848.
 Charles Midgley—New and improved paddle wheel for steam boats and horse boats, and for propelling vessels. August 10, 1848.
 George P. Warren—A useful method of constructing the apparatus for taking of the friction of the axle of a bell, and for making the tongue of a bell strike the top when elevated. August 14, 1848.
 Walter Perkins Newman—Hydro-pneumatic water wheel. September 5, 1848.
 Martin Pierce—Washing machine for washing clothes, &c. September 15, 1848.
 James Stuart—Improved method of constructing horse power to be applied to thrashing machines and other descriptions of machinery. October 14, 1848.
 O. LaGrange—Carriage and waggon wheel. Nov. 6, 1848.
 Peleg Bowen—Coiled spring tooth revolving horse-rake. November 14, 1848.
 Walter H. Wells—Aeriform or atmospheric churn. November 17, 1848.
 John P. Bestwick—Office sliding calendar. Nov. 20, 1848.
 Patrick McQuilkin & Joseph Henry—Improvement in the machinery of ship's windlass. January 20, 1849.
 C. Midgley—New and useful paddle wheel for steam boats, horse boats, and for propelling vessels. Jan. 27, 1849.
 Ananias Smith—Air distributor or grate. Jan. 30, 1849.
 Niram W. Rockwell—A limited horse swing. Feb. 6, 1849.
 Elias J. Severance—Thrashing machines. March 6, 1849.
 John Baird—Certain improvements in the arrangement and construction of the steam engine. May 5, 1849.
 Elias J. Severance—Improvement in the manufacture of thrashing and winnowing machines. May 5, 1849.
 Charles M. Tate—Improved method of raising and lowering weights. May 11, 1849.
 Charles Midgley—Improved hinge. August 2, 1849.
 Charles Midgley—New and useful saw-mill. Aug. 13, 1849.
 C. Midgley—Improved accoucheurs assistant. Aug. 13, 1849.
 Peter R. Hiley—Improved churn called the propeller churn. Aug. 30, 1849.
 Daniel Mandigo—Japan varnish called the chemical elastic japan varnish. August 31, 1849.
 Charles M. Tate—New and improved method of raising and lowering weights. September 3, 1849.
 John Angell Cull—Certain important inventions and improvements in the art of starch making, whereby the process is greatly improved, and rendered more certain and effectual. September 24, 1849.
 Richard Tremain—Improved straw cutter. Sept. 24, 1849.
 John Winger—Pump surpassing all others heretofore made, in utility. September 28, 1849.
 John Gilmour—New method of constructing capstans, called and designated "Gilmour's Patent Capstan." Dec. 11, 1849.
 William Arms—New and useful machine for tilling land, called the "Lion Plough." December 28, 1849.
 Daniel Mandigo—Improved carriage spring. Jan. 22, 1850.
 Daniel Mandigo—Improved plough, called "Mandigo's Improved Plough." Jan. 30, 1850.
 Wm. Nixon—Improved drilling machine. Feb. 28, 1850.
 James Henry Sampson—New and useful machine or apparatus for cutting men's boots, and determining with accuracy the situation of the spring in centre upon which the foot moves. March 6, 1850.
 Thomas Penney—Improvement in the process of tanning leather. March 6, 1850.
 Alexander Carpenter—A portable and stationary safe for holding ashes. March 13, 1850.
 I. Carter—Improved summer and winter ventilating air stove. March 13, 1850.
 David P. Bonnell—An improvement in the process of grinding and manufacturing wheat and other grain into meal and flour. March 30, 1850.
 Alfred Wilbur—A materially improved heater of water and other liquids. March 20, 1850.
 Norbert St. Onge—Machine called "Saint Onge's Stump Extractor." March 22, 1850.
 Alfred Wilbur—An improvement in cooking stoves. March 27, 1850.
 W. R. Seaver—Seaver's improved stove dresser. April 2, 1850.
 W. R. Seaver—Seaver's improved stove joiner. April 2, 1850.

Alexander Fleck—Fleck's new and improved plough, or sowing grubber—May 25, 1850.
 John C. Lloyd—Obstetrical supporter. May 27, 1850.
 L. Howick—Improvement in tanning mills. May 27, 1850.
 Albert Bennett—Self-protecting beehive. June 12, 1850.
 Jacob Barnes—An apparatus serviceable as a blast regulator, applicable to Smith's forges. June 13, 1850.
 James Trehearne—Portable saw-mills, for sawing timber. June 21, 1850.
 James R. Armstrong—Cooking stove. June 28, 1850.
 L. Howick—Improvement in tanning mills. July 22, 1850.
 John Coulter—Manufacturer of Stoves of a new pattern, and on a new principle, discovered and invented in this Province by one Charles Tripp, a citizen of the United States of America. August 29, 1850.
 James MacIntyre—Mile for covering houses and other buildings. October 5, 1850.
 Henry Trout—Improvement in the principle of propelling locomotives along inclined planes, and also in the wheels of locomotives, and rail for railroads, by means of which locomotives can be propelled along inclined planes. October 7, 1850.
 David Kidd—Portable grist mill. October 14, 1850.
 Saml. Harbert—Improvement in the agricultural plough. October 17, 1850.
 Oliver Thunay—Certain improvements in apparatus for warming air for warming houses and ventilating houses and other inhabited apartments, for green-houses, grain, fruit, malt-drying and other kilns and other uses. Oct. 30, 1850.
 Charles Midgley—The spark killer and heat retainer. Nov. 2, 1850.
 Elhamar P. Smith—New and improved combination of machinery for a cutting-box for cutting straw, hay, or stalks. December 1, 1850.
 Thomas Hewson—Improved method of making horse-shoes. December 9, 1850.
 James Hamilton—An improved plough. Dec. 13, 1850.
 Eusebe Dupont—New and improved pump. Dec. 17, 1850.
 Daniel Mathias Lamb—Improved machine for making nuts and washers. December 23, 1850.
 George Babes Prowse—The Prowsonian hot-air cooking range or furnace. Jan. 7th, 1851.
 George Hooper Mead—Improved method of constructing piano fortes. January 8, 1851.
 William Grinn—A clover-seed gatherer. Jan. 9, 1851.
 Joseph Watson—An improvement on an old patent bedstead for the sick and wounded. Jan. 31, 1851.
 John Hearle—Improvements on engine pumps and fire-engines. Jan. 31, 1851.
 John Darling—A new and useful composition to be used as a soap for the saving of labour in washing clothes. Jan. 31, 1851.
 Henry Kuttan—A machine which he calls a ventilating stove, and also of the means by which the ventilating air may be made to circulate under a floor and between the joists. January 31, 1851.
 James Acut Grinn—Several important improvements in cooking stoves, and in the method of applying and using heat for cooking purposes. March 13, 1851.
 William Holton—New kind of plough. March 15, 1851.
 John Angel Cull—Certain machines which he calls a rouser and bran washer, to be used in the manufacture of starch. March 17, 1851.
 John Angel Cull—Certain improvements in the method of making starch. March 17, 1851.
 John Kieley—New kind of suspension truss, to be applied in constructing bridges and roofs. March 22, 1851.
 A. J. Thompson—New and useful improvement upon the plough. March 24, 1851.
 W. J. Holmes—New and useful improvement on the method of applying the heat generated in stoves or fire places to the purpose of warming apartments or houses. April 12, 1851.
 Thomas S. Fox—A rabbeted complete revolving air and water tight joint. April 12, 1851.
 James Rogers Armstrong—New and improved cooking stove, to be called "The Giant Cooking stove." April 17, 1851.
 John Hourke—Self-acting ribbed warp knitting looms. May 1, 1851.
 Thomas Hewson McLean—New shape of bar-iron for horse shoes. May 1, 1851.
 Daniel Mandigo—New and improved method of cutting hay, straw, chaff or other vegetable food for cattle. May 2, 1851.
 Chester Shattuck—Cross-cutting machine. May 21, 1851.

J. H. McKenzie—New mode of constructing a cider-mill and press. June 10, 1851.
 Sherman S. Jewett—Improved iron stove for heating rooms and for other purposes. June 26, 1851.
 Edwin Jonney—New and useful machine for cutting and sawing staves with unprecedented rapidity and correctness. June 10, 1851.
 Roswell Tompkins—New and useful machine for separating and cleaning wheat and other grain. June 10, 1851.
 Thomas J. Fuller—New and improved cooking stove, to be called "The Salamander Cooking stove." June 18, 1851.
 Charles Lemon—New and improved plough, which he calls a double iron beam plough. June 24, 1851.
 C. Palmer—Improved weighing machine. June 30, 1851.
 Geo. Hawley—Shingle-making machine. July 4, 1851.
 Henry Markle—Certain improvements in the construction of agricultural plough. July 12, 1851.
 James Trehearne—New method of running the perpendicular saw for sawing timber. August 21, 1851.
 Isaac Cartor—Cooking stove, the hot air from which is by him now for the first time successfully applied to heating purposes. August 21, 1851.
 Reuben F. Colton—New and improved method of constructing cooking stoves as exemplified in what he calls "The Brooklyn air-tight cook stove." Sept. 8, 1851.
 Benjamin Fuller—New and improved whirlpool wheel or pressure water power. November 6, 1851.
 Thomas J. Fuller—New and improved machine called the "Excelsior cylindrical thrasher;" also, a new and useful machine called "The Excelsior horse power." Nov. 6, 1851.
 William Coleman—Circular and straight moulding, rabbeting, ploughing and architrave machine. Nov. 6, 1851.
 Peter K. Lamb—New and improved machine for the manufacture of baths. November 6, 1851.
 Peter R. Midgley—New and improved machine for cutting hay and straw. November 6, 1851.
 Thomas Mills—New method of constructing carriages and other vehicles by which they are enabled to turn in much less space than formerly. November 25, 1851.
 James MacIntyre—Improved mode of making bricks and architectural ornaments. January 8, 1852.
 Joseph Pagnuolo—Improved furnace. Jan. 8, 1852.
 Prudent Nicol and Thomas Nicol—Improved thrashing mill. January 14, 1852.
 Nevens Jones—New and useful improvement in the construction of waggons, combining the springs and coupling. January 19, 1852.
 Alexander Anderson—Certain improvements to a machine called a grain separator. January 19, 1852.
 James Anderson—New and useful plan of building houses. January 19, 1852.
 Asa Willard—Butter machine. January 23, 1852.
 Justus S. Jones—New and improved method of constructing carriages. March 20, 1852.
 Charles Dawson—Improvements in the manner of working Mulay saws and the machinery attached thereto. March 20, 1852.
 Charles Lemon—New and improved method of constructing ploughs. March 31, 1852.
 Samuel Cutler—New and improved apparatus or lamp for burning benzole or hydrocarbons. April 19, 1852.
 William Perry—Direct action fire engine. April 30, 1852.
 Horatio A. Rockwell—New and useful method of constructing yokes for oxen. May 8, 1852.
 Thomas C. Gregory—Self-acting apparatus for disconnecting the carriages of a railway train from the tender upon the engine leaving the rails. May 25, 1852.
 Peter Murdoch—Improvement in the composition and form of wheels for all kinds of carriages. May 28, 1852.
 Louis Lemoine—New and useful improvement in the manufacture and construction of steam generating apparatus. June 9, 1852.
 Benjamin Gumeaz—Churn called the redprocoating churn. June 15, 1852.
 Lawrence Hager—New and useful improvement to the seed drill, &c. June 30, 1852.
 Lawrence Hager—Increasing twist and curvilinear mould board for Canadian ploughs, on the principle of a continuous increasing curvilinear twist from the point of shear to the back end and on sole of mould board. June 30, 1852.
 Abram Longbottom—New and useful mode of purifying illuminating gas. July 29, 1852.
 Robert Might—R. Might's portable, horizontal and self-acting sawing machine. August 10, 1852.
 Samuel Andres—New and scientific mode of constructing flues or chimneys. August 12, 1852.

George Willard—New mode of smoothing iron. August 12, 1852.
 John Hourke—New and improved method of cutting hay, straw, chaff or other vegetable food for cattle. May 2, 1851.
 Thomas J. Fuller—New and improved machine called the "Excelsior cylindrical thrasher;" also, a new and useful machine called "The Excelsior horse power." Nov. 6, 1851.
 R. Lossing—W. James K. Griffin on cooking. Samuel Harbert he has altered. 1850, Sept. Alfred Gilford china for cooking. the 24th St. Butterfield, September 8, George M. Spencer crackers. Edward C. Edwards September 4, H. Bernier—N. Samuel I. Russell Charles Geese mode of cooking. Joseph Parand method of cooking. Charles Midgley Charles Midgley William Brown grain rakes. Frederick Thug air, and other inhabited Patrick Flinn—George Stacy—spike machine William Alch O. Ansley—C. Ezekiel Burdick February 14, Daniel Mandigo construction Albert Round structure of Peter R. Highley hay and str Aretus A. W. tonguing at Peter Murdoch vehicles. George Anshel stove. Apr. James Russell corn crusher Peter Murdoch ed to a plow Charles Lemon April 15, 18 Charles H. T. ing leather April 10, 18 Charles H. T. whale and Joseph Parand of thrashing William C. R. April 29, 18 Edmund Kich wood of eigh David Bell—earthenware Joseph Planc moistening Daniel P. Briggs constructio Asaph Buck—saw-mill. John Dean—29, 1853. Daniel Smith and gigger May 11, 18 Zenas Everitt William A. H. relus or b May 12, 18

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George William Lester—Improved draft and damper box
smoothing iron. August 24, 1852.
John Hourko—Millstone pickers. August 24, 1852.
Edward Trenholm—Trenholm's elevator. Aug. 26, 1852.
Thomas J. Fuller—New and useful improvement in Mulay
saw mills. August 31, 1852.
R. Lossing—Washing and churning machine. Aug. 31, 1852.
James K. Griffin—Several new and useful improvements
on cooking stoves. September 7, 1852.
Samuel Hurbert—Improvement on the plough for which
he has already obtained a patent, dated 15th October,
1850. September 20, 1852.
AUGED Gilford—New and useful improvement on a ma-
chine for cutting straw, patented to Richard Tremain
the 24th September, 1849, and now owned by Lonson
Butterfield, of the village of Oshawa, county of Ontario.
September 20, 1852.
George M. Sperry—Improved method of constructing corn
crackers. September 21, 1852.
Edward C. Ennis—Machine for making carriage wheels.
September 28, 1852.
H. Bernier—New and improved cooking stove. Oct. 5, 1852.
Samuel I. Russell—New and improved harrow. Oct. 5, 1852.
Charles Gueinell—New and useful improvement in the
mode of constructing double stoves. October 13, 1852.
Joseph Paradis—New and useful improvement in the
method of constructing thrashing machines. Oct. 15, 1852.
Charles Aldgley—Improved churn. October 27, 1852.
Charles Aldgley—Improved live hive. October 27, 1852.
William Brown—New and useful improvement in making
grain rakes. November 6, 1852.
Frederick Thany—New and improved apparatus for warn-
ing air, and for warming and ventilating houses and
other inhabited apartments. November 6, 1852.
Patrick Flynn—Compound action water wheel. Nov. 8, 1852.
George Stacy—New and useful method of constructing
spike machines. January 20, 1853.
William Aitchin—Improved scy the holder. Jan. 26, 1853.
O. Ansley—Centrifugal and centripetal churn. Feb. 8, 1853.
Ezekiel Barley—Improvement on the wooden plough.
February 14, 1853.
Daniel Mandigo—New and useful improvement in the
construction of lightning rods. February 16, 1853.
Albert Rounds—New and useful improvement in the con-
struction of lightning conductors. February 16, 1853.
Peter H. Hingle—New and improved machine for cutting
hay and straw. March 7, 1853.
Aretus A. Wilder—New and useful machine for planing,
tonguing and grooving boards. March 7, 1853.
Peter Murdock—New and improved running gear for
vehicles. April 15, 1853.
George Ansley—Portable hot-air furnace and cooking
stove. April 15, 1853.
James Russell—New and useful machine called Russell's
corn crusher. April 15, 1853.
Peter Murdock—New and improved seed drill to be attach-
ed to a plough. April 15, 1853.
Charles Lemon—Improvement in construction of ploughs.
April 15, 1853.
Charles H. Tetu—New and useful process of manufactur-
ing leather from the skin of the whale or porpoise.
April 16, 1853.
Charles H. Tetu—New and useful mode of manufacturing
whale and porpoise oil. April 16, 1853.
Joseph Paradis—Useful improvement in the construction
of thrashing machines. April 29, 1853.
William C. Rutman—Improved gun barrel and projectile.
April 29, 1853.
Edmund Richard—Machine for sawing straight and crooked
wood of equal and unequal dimensions. April 29, 1853.
David Bell—Press or machine for the manufacture of
earthenware, pipes and draining tiles. April 29, 1853.
Joseph Plamondon—Machine for cutting tobacco, without
moistening it. April 29, 1853.
Daniel P. Brigham—New and useful improvement in the
construction of fanning mills. April 29, 1853.
Asaph Buck—Self-giggling, self-setting and self-regulating
saw-mill. April 29, 1853.
John Dean—Double reflector for baking purposes. April
29, 1853.
Daniel Smith—New and improved carriage and feeding
and giggling-black-works for steam and water saw mills.
May 11, 1853.
Zenas Everett—Improved ladder. May 12, 1853.
William A. Holwell—Improvement in the construction of
reins or bridles to be called the Duplex safety rein.
May 12, 1853.

Joseph Woods—New and improved cant hook for piling
and otherwise handling and disposing of railway iron
bars. May 28, 1853.
Benjamin F. Tibbetts—Improved mode of constructing
steam engines. June 11, 1853.
Nrum W. Rockwell—Limited horse swing. June 11, 1853.
Charles W. Smith—New and useful improvements in the
construction of harvesting machines. June 26, 1853.
John Morley—Improved mould-board for ploughs. June
26, 1853.
Jackson McIntyre—File-cutting machine. June 26, 1853.
Charles S. Rodier—New and useful improvement in the
construction of trashing machines. June 26, 1853.
John W. Armstrong—New and useful improvement in the
construction of ploughs. June 21, 1853.
J. Handford—Improved thrashing machine. June 21, 1853.
Calvin P. Ladd—Metallic lural case. July 8, 1853.
Robert Thomas—Paddle box tubular rail. July 10, 1853.
Alexander S. Walbridge—New and useful machine for
sawing and planing, by one operation, of all lumber.
July 20, 1853.
Geo. Urquhart—Improvement in metallic carriage springs,
called "The Urquhart elliptic springs." July 20, 1853.
Wm. J. Spence—Self-adjusting paddle wheel. July 26, 1853.
Alexis Robitaille—New and improved apparatus and
method of working for, obtaining, and procuring gas for
the purposes of illumination, from resin and oil, and
other substances of like nature, and from the decompo-
sition of water. September 2, 1853.
John Dean—Improvement in the mode of constructing the
double reflector for baking purposes, invented by him,
for which letters patent were issued on the 29th April,
1853. September 7, 1853.
Alexander Anderson—New and useful machine for plant-
ing potatoes. September 15, 1853.
Mass B. Southwick—New and useful apparatus for, and
method of, crushing, drying, and otherwise preparing
potatoes and other vegetable substances as well as fruits
and meats, for the purposes of food. Sept. 15, 1853.
Lewis Reese—New and useful improvement in the manu-
facture of straw-cutting machines. September 19, 1853.
Alexander Turnbull—New and useful improvement in the
construction of Canadian ploughs. October 5, 1853.
Nathan Buchanan—New and useful apparatus for, and
method of, desiccating lumber and other materials.
October 6, 1853.
Robert E. Stephens—New and improved excavator for the
purpose of cutting or excavating and moving clay, sand,
gravel or other substances. October 6, 1853.
John Parsons—Improved machine for making bricks.
October 6, 1853.
John Parsons—Apparatus for the purpose of cleansing or
drawing off beer from the fermenting tuns. Oct. 13, 1853.
Dalrymple Crawford—Improved machinery for arresting
the progress of railway trains. October 13, 1853.
Isaac Modeland—New and useful improvement in the con-
struction of ploughs. October 19, 1853.
Jacob Wood—New and useful improvement in the present
mode of constructing churrs. February 2, 1854.
Levi Howell—New and useful improvements in the con-
struction of the cider mill and press. Feb. 2, 1854.
J. T. Fortes—Improved elevating bedstead. Feb. 2, 1854.
William Bowman—Improvement in railway cars and car-
riages. February 2, 1854.
Lewis Arnshury—New and useful improvement in the
construction of churrs. February 2, 1854.
Stanislas Kwasneski—Prize hot-air and cooking furnace.
February 8, 1854.
George Dunham—Improved method of running paddle
wheels. February 11, 1854.
Antoine St. Jacques—New and useful improvement in
the construction of post augers. February 22, 1854.
John Winer—New and useful improvement for heating
air for warming apartments by the waste heat of a stove
or other fire grates, to be denominated "Winer's py-
neumatic fire grate. March 22, 1854.
Benjamin Cole—New way of closing shop window shutters.
March 23, 1854.
Hiram Seovell—Cider mill and press. March 28, 1854.
William H. Soper—Improvement in the grooving and in-
side finishing of rifle barrels. March 28, 1854.
Lewis Reese—New and useful improvement in the con-
struction of a machine for cutting hay or straw. March
30, 1854.
George Williston—New and useful machine for straight-
ening or curving rails. April 4, 1854.
Pierre Gauvreau—New and useful cement to be called
"Gauvreau's Canadian hydraulic cement." April 6, 1854

- Jonas P. Lee—New and useful improvement in a machine called "Double acting knitting machine." April 10, 1854.
- John H. Charnock—New and useful machine for moulding all descriptions of tiles, pipes and bricks for drainage, sewerage, building or other purposes, from clay or other plastic substances. April 17, 1854.
- Peter Murdoch—Compound carriage so constructed as that all kinds of wheel carriages may be converted into sleighs. April 18, 1854.
- Peter Murdoch—Improvement in double dash churn. April 18, 1854.
- R. Loessing—Rolling screen fanning mill. April 21, 1854.
- John Parsons—Apparatus for cooking, for bakers' ovens, for drying and roasting malt and other vegetable produce, seasoning timber, drying room with self-acting ventilator, for laundries, hatching poultry, heating irons, and keeping cooking provisions hot by the application of gas. April 28, 1854.
- Joseph Thirkell—Improvements in the forming, shaping and casting of iron ploughs. May 29, 1854.
- Benjamin Walt—Combination of machinery for the making of barrels, kegs, tubs and other bilge works. June 6, 1854.
- Joseph Scobell—New and improved method of manufacturing peat-bog, by drying, pressing and cooking for fuel and other purposes. June 7, 1854.
- Daily Seleck—New and useful improvement in the construction of churns. June 14, 1854.
- Joseph Scobell—New and improved method of covering roofs with slate. June 14, 1854.
- Richard D. Chaterton—Floating gangway, boat launch and life raft. June 19, 1854.
- R. Hoyt—Improved obstetrical supporter. June 20, 1854.
- William J. Hockett—Improved signal light for railways. June 30, 1854.
- Richard Muehall—Machine for working irregular surfaces, so as to form a piece of timber to any required shape. July 13, 1854.
- Thomas Murgatroyd—New and useful improvement on carriages. July 21, 1854.
- John Brown—Seed sower. July 21, 1854.
- D'Arcy Porter—New and improved sewing machine. July 21, 1854.
- John Pye—New and improved method of constructing water closets. August 14, 1854.
- Stephen R. Andres—New art of manufacturing paper from the plant known by the Linnean-generic name of *Gnaphallium*, and vulgarly called cud-weed or life-ever-lasting. August 20, 1854.
- Michael Egan—New and improved mode of making moulds for copper, brass and composition castings. Aug. 26, 1854.
- John H. Gatis—New and useful improvement in the apparatus for cleaning and scouring wheat, rye and buckwheat. August 28, 1854.
- Joel B. Hayden—Improved hub for carriage and waggon wheels. September 4, 1854.
- William Nixon—Potato and seed drill. Sept. 4, 1854.
- John Brown—Improved straw cutter. September 4, 1854.
- Henry Miller—New and useful machine for expeditiously arresting the progress of railway cars by almost sudden steam brakes. September 19, 1854.
- Lewis B. Carpenter—Improved hand-lantern. Oct. 6, 1854.
- Henry C. Lindo—New and useful process for depriving hides and skins of the hair, wool fur or bristles, preparatory to being tanned. October 19, 1854.
- Robert Romaine—Certain improvements in machinery or apparatus for effecting agricultural operations. October 19, 1854.
- Robert E. Stephens—Improved bedstead. Oct. 20, 1854.
- J. H. Gatis—Central discharge water-wheel. Oct. 28, 1854.
- Charles DuBergier—New mode of preventing railroad cars from running off the track or rail, consisting of a safety-hook. November 7, 1854.
- Samuel Cutter—New and improved method of making gas and applying it to, and for the purpose of illumination, or heating, &c. November 7, 1854.
- Charles H. Waterous—Machine for making nuts and washers from a heated bar of metal. Nov. 8, 1854.
- Leon A. Lemire—New polishing buff called the wheel or hand buff, for daguerrotype purposes. Nov. 14, 1854.
- Robert Thomas—Machine for clearing snow from off railway tracks, to be called "Thomas's snow exterminator." November 30, 1854.
- James B. Smith—New and useful improvement in the construction of portable or stationary steam or water mills. December 6, 1854.
- Rodolphus Lounsbury—Canadian thistle-killer and cultivator. December 8, 1854.
- Alexander Anderson—Potato digger. December 13, 1854.
- William Bowman—New and useful improvements in the construction of railway cars. January 12, 1855.
- Homar P. Brown—Improvement on the chaff cutter or cutting box. January 19, 1855.
- John Helm, the younger, and John Wade—Machine for boring holes in the ground for fence posts or other purposes. January 20, 1855.
- Ruth Adams—Reverse cooking stove. January 20, 1855.
- William Fitzpatrick—Certain improvements in nail machine feeder. January 20, 1855.
- James Overholt—Horizontal sawing machine for cross cutting logs of wood. January 20, 1855.
- Benjamin McElheath—Longitudinal motioned fanning mill. February 3, 1855.
- Henry Cowling—Certain improvements upon machinery. February 8, 1855.
- Jacob Plingle—Potato digger. February 8, 1855.
- John McDougall—Cooking and boiling apparatus. March 6, 1855.
- Thomas S. Fox—Switching apparatus, &c. March 6, 1855.
- Alexander Anderson—Improved cultivator. March 6, 1855.
- Leonard Robinson and James Woolbridge—Safety lever buckle. March 13, 1855.
- A. Palmer—New & useful reaping machine. March 13, 1855.
- Henry Markie—New and improved double dasher churn. March 15, 1855.
- Charles Fitch—Improvements in machinery for manufacturing waggon spokes and other articles irregular in their form. March 22, 1855.
- James Atkinson—Improvement upon the drill and broadcast sowing machine. March 22, 1855.
- William Fitzpatrick—New and useful improvements in nail machine feeders. March 22, 1855.
- Henry Sewell—New and useful machine for picking oakum. March 22, 1855.
- Dairymple Crawford—Improved machinery for filling steam boilers with water. March 24, 1855.
- Michael Egan—New and improved method of oiling car journals. March 27, 1855.
- Samuel Darling—Art of raising sunken vessels or other objects, by means of buoys and weights. April 6, 1855.
- Charles Dorion—New and improved method of constructing cutters, for the purpose of racing. April 10, 1855.
- Nicholas Lacroix—New and improved water wheel, called "Turbine helicoides." April 10, 1855.
- A. D. Cole—New and useful water wheel. April 10, 1855.
- Thomas D. Flood—New and improved method of constructing that part of the action of a pianoforte called the hopper. April 10, 1855.
- Charles S. Rodler—New and useful machine for sawing wood. April 10, 1855.
- Abraham Steers—New and improved method of quick tanning. April 20, 1855.
- A. Steers—New and improved method of manufacturing the dye, saccharine salts or extracts of vegetable substances, without the usual evaporation. April 21, 1855.
- John Williams—New and useful improvement in the blast of locomotive engines. April 24, 1855.
- Samuel Morse—Improved plough. April 28, 1855.
- William Holborn—Washing machine. April 28, 1855.
- Jonah, James, and John Dennis—Washing machine. May 4, 1855.
- Ell B. Hungerford—Cast iron fastener for the putting together of posts and rails of bedsteads. May 8, 1855.
- James B. Young, Richard S. Brown, and Henry Davis—New and useful invention for propelling boats against the wind, and in all directions with the same wind. May 9, 1855.
- Isaac G. Ogden—New and useful improvement in the construction of water wheels. May 15, 1855.
- William Bowman—New and useful mode of constructing railway car wheels. May 15, 1855.
- William Niblock—Improvement in the manner of constructing horse rakes for raking hay. May 20, 1855.
- Jonas P. Lee—Round rotary or circular knitting loom. May 28, 1855.
- Robert Pooler—New and useful improvement in the construction of a breech loading fire-arm, either rifle or smooth bored. June 4, 1855.
- Ruther McDougall—Improved oil box for oiling axles of rail car wheels. June 8, 1855.
- Jacob Barnes—Reciprocal acting pump. June 14, 1855.
- James B. Young, Richard S. Brown and Henry Davis—Self-opening railway gate. June 14, 1855.

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Acres—1,218.
Population in
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Liabilities—

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Treasurer—H
Registrar—T
Clerk—John C
Solicitors—C
Judge Co. Co
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Sheriff—John
Clerk of Peace
Clerk of Co.
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Judge Surro
Brantford.
Deputy Regi
Kubridge, L

Clerks
Division I.—
Division II.—
Division III.—
Division IV.—
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Division V.—
Division VI.—
County

Chief Magist
Brantford.
Clerk—Georg
Population—
Assessed Val
Taxes per £

Townships—
fries Sout
Tuscarora;
Paris.

Jones, Steph
Stanton Geor
Moyle, Henr
Wilkes, John
Digby, Alfred
Cook Abrah
Capron, Hira
Christie Rob
Smith, Abrah
Smith John,
Biggar Herb
Wyld James
Shenstone Th
Malcolm, Eli
Toyne, John
Eddy John,
Daniels, Law
Perley Charl
Foster Alonz
Oswald, Jam
Beemer, Geo
Hornor, Her
Malcolm, Jai
Chaplin, Cha
Thompson, J
Finlayson, J
Totten, Dan

MUNICIPALITIES, CANADA WEST.

In the following compilation will be found all that is either useful or important, relative to the Counties and Union of Counties in Canada West. Similar information was applied for to the municipal authorities of Canada East, but could not be obtained sufficiently full for publication, owing to the new Municipal Act of Lower Canada coming so recently into force; the Compiler, however, tenders his sincere thanks to all those gentlemen in Lower Canada, who so kindly afforded him such information as was in their power. For the lists of Magistrates, we are indebted to the courtesy of the Provincial Secretary, who remarks:—"I have not specified in the list the Magistrates who have qualified, as it would not have been in my power, from the returns sent to this office, to have given you a perfectly correct statement in that respect." We would also mention that the names of those who have died since their appointment, have not in all cases been left out; but errors of this kind have been corrected as far as the means at our command permitted.

1.—Brant.

Acres—1,218,852.
Population in 1852—25,126.
Assessed Value in 1855—£1,255,129.
Liabilities—None.

County Officials.

Warden—Allen Good, Brantford.
Treasurer—Hamilton Higgs, Brantford.
Registrar—T. S. Shenstone, Brantford.
Clerk—John Cameron, Brantford.
Solicitors—Cameron & Rubridge, do.
Judge Co. Court and Chairman Quarter Sessions—S. J. Jones, Brantford.
Sheriff—John Smith, Brantford.
Clerk of Peace—J. Cameron, Brantford.
Clerk of Co. Court and Deputy Clerk of Crown, Duncan Cameron.
Judge Surrogate—Stephen J. Jones, Brantford.
Deputy Registrar Surrogate—Walter Rubridge, Brantford.

Clerks of Division Courts.

Division I.—Henry Racey, Brantford.
Division II.—John A. Panton, Paris.
Division III.—S. Stanton, St. George.
Division IV.—W. M. Whitehead, Burford.
Division V.—James Malcolm, Scotland.
Division VI.—T. Butler, Tuscarora.

County Town.—BRANTFORD.

Chief Magistrate—William Mathews, Brantford.
Clerk—George Valey, Brantford.
Population—5,800.
Assessed Value in 1855—£40,321.
Taxes per £ Annual Value—3s.

Municipalities.

Townships—Brantford, Burford, Dumfries South, Oakland, Onondaga, Tuscarora; Towns of Brantford and Paris.

Magistrates.

Jones, Stephen James, Brantford.
Stanton George, South Dumfries.
Moyle, Henry, Brantford Township.
Wilkes, John Asten, Brantford Town.
Digby, Alfred, do.
Cook Abraham, do.
Capron, Hiram, Paris.
Christie Robert, South Dumfries.
Smith, Abraham K., Brantford Town.
Smith John, Paris.
Biggar Herbert, Brantford Township.
Wyld James C., do.
Shenstone Thomas S., do.
Malcolm, Eliakim, Oakland.
Toyne, John, do.
Eddy John, do.
Daniels, Lawrence, Burford.
Perley Charles S., do.
Foster Alonzo, do.
Oswald, James, do.
Beemer, George, do.
Horne, Henry, do.
Malcolm, James, Oakland.
Chapin, Charles, do.
Thompson, Wm., do.
Finlayson, Hugh, Paris.
Totten, Daniel, do.

D

Spottiswoode, Alex. Paris.
Hamilton, Norman, do.
Anderson, Daniel, South Dumfries.
Mullen William, do.
Roy, William, do.
O'Neil, Daniel, do.
Latshaw, Henry, do.
Sharp, James, do.
Cope, David, do.
Kitchin, Edward, do.
Burt, Robert, do.
Smith, Carleton C., do.
Beemer, Joseph, do.
Burnet, Arthur, do.
Clement, Joseph D., Brantford Town.
Kirkland, Alexander, do.
Cookhutt, Ignatius, do.
Huntingdon, Annah, do.
Strobridge, Richard R. do.
Dalton, Joseph, do.
Sproule, Robert, do.
Muirhead, William, do.
Moore, John Henry, do.
Wilkes, James, do.
Smith Arthur, Onondaga.
Soules William D., do.
Conboy, Thomas, do.
McNaughten, Dan, do.
Algar, William N. do.
Kelly, Alpheus, J., do.
Butler, Thomas, do.
Hilli, Amos, Brantford Township.
Campbell John, do.
Batson, Thomas D., do.
Smith, George, do.
Weaver, Peter, do.
Brown, David, do.
Hawley Harvey, do.
Tufford, John, do.
Maxwell James, do.
Griffin, Nathaniel F., do.
Tapley, Samuel, do.
Cook, Thomas, do.
Phelps, Hiram, do.
Chapin Lyman, do.
Smith, Thaddeus, do.
Keith, James, do.
Muir Robert, Burford.
Horne, Thomas, do.
Smith, Russell, do.
Kelly John, do.
Kerby William, K. do.
Ross, Hervey, do.
Hedges Charles, do.
Kinney Hiram, do.
Vanderlip, Edward, Brantford Town's p.
Lilkins, John, do.
Lampkins, John, do.
Hawley, Abraham, do.

Wilkes, John A., Brantford.
Digby, Alfred, do.
Smith, Abraham K. do.
Clement, Joseph D. do.
Steele, John, do.
Kirklands, Alexander, do.

2.—Carleton.

Acres—574,520.
Population—31,882.
Liabilities—£699 10s. 4d.
Amount of Debt Issued—£164 17s.

County Officials.

Warden—Joseph Hinton, Richmond.
Treasurer—Daniel O'Connor, Ottawa.
Registrar—Edward Sherwood, Ottawa.
Clerk—Charles H. Pinhey, Ottawa.
Solicitor—John Bower Lewis, Ottawa.
Surveyor—Isaac MacTaggart, Ottawa.
Judge County Court and Chairman Quarter Sessions—Christopher Armstrong, Ottawa.
Sheriff—Simon Fraser, Ottawa.
Clerk of Peace—F. C. Powell, Ottawa.
Clerk of Co. Court and Deputy Clerk of Crown—H. J. Friel, Ottawa.
Judge Surrogate—Christ. Armstrong.
Registrar Surrogate—H. J. Friel.

Clerks of Division Courts.

Division I.—George R. Burko, Ottawa.
Division II.—J. A. Bryson, Richmond.
Division III.—John Fenton, Huntley.
Division IV.—Wm. D. Pigott, Fitzroy Harbour.
Division V.—W. Cowan, North Gower.
Division VI.—Thomas Ballie, Osgoode.

County Town.—OTTAWA.

Chief Magistrate—John Bower Lewis.
Clerk—William P. Lett.
Population—Above 10,000.
Assessed Value, 1855, £38,805 12s. 5d.
Taxes per £ Annual Value, 3s.

Municipalities.

Townships—Fitzroy, Gloucester, Goulburn, Huntley, March, Marlborough, Nepean, North Gower, Osgoode, Toronto; City of Ottawa and Village of Richmond.

Magistrates.

Armstrong, Christopher, Ottawa.
Eastman, John, North Gower.
McDonell, Alexander, Osgoode.
Shirreff, Robert, Fitzroy.
Richey John, do.
Baker, George W., Nepean.
O'Connor, Daniel, Ottawa.
McNaughton, John, do.
Stevenson, James, do.
Stewart, William, do.
Chitty, John, do.
McLaren, David, Toronto.
Campbell, William, Marlborough.
Brady, William B., Huntley.
McArthur, Donald, Ottawa.
Thompson, William H., do.
Buckham, John, Toronto.
Thomson, William, Nepean.
McNabb, John, Osgoode.
Hanna, Henry, do.
Robertson, John, Nepean.
Robinson, Nelson G., do.
Goodman, John G., March.
Hinton, Joseph, Goulburn.
Sumner, John, do.
Grant, Robert, do.
McBride, Henry, Huntley.
Manyon, John, do.
Lowry, Hamilton, Fitzroy.
Taylor, William P., do.
McDonell, Angus R., do.
King, George, do.
Smyth, William, Gloucester.

Bradley, Clements, Gloucester.
 Kelhgan, Patrick, do.
 McNabb, Peter, Osgooda.
 Cameron, Daniel, do.
 Grant, Robert, do.
 Hippistall, Richard, do.
 Burritt, George L., Marlborough.
 McKie, William, do.
 Bottum, Elijah, do.
 Craig, James, North Gower.
 Roserer, Louis T., Ottawa.
 Barrelle, Jean, do.
 Patterson, George, do.
 Porter, John, do.
 Lindsay, James, North Gower.
 Thompson, John, do.
 Collins, Dennis, Marlborough.
 Hill, Hannot, Ottawa.
 Malloch, Edward, do.
 Shillington, Thomas, North Gower.
 McLachlin, Daniel, Ottawa.
 Farley, Robert, do.
 Workman, Alexander, do.
 Scott, Alexander, do.
 Leaublen, C., do.
 Kennedy, Donald, do.
 Friel, Henry S., do.
 Wood, Leonard, Gloucester.
 Barman, Thomas, do.
 Lang, George, do.
 Alton, Arthur, Osgooda.
 Kangley, Thomas, do.
 Baker, Adam, do.
 Dow, John, do.
 McLellan, William, do.
 Arnold, George, Nepean.
 Byers, William, do.
 Balne, George, do.
 Daisno, Samuel, do.
 Fogerty, James, do.
 Lyon, William R. B., Goulburn.
 Lewis, Thomas, do.
 Torney, John, do.
 Henderson, James, do.
 Sterne, James, Fitzroy.
 Cars, Robert, do.
 Wiggins, Thomas, March.
 Smith, John, Torbolton.
 Skeffington, Michael, Gloucester.
 O'Meara, John, Ottawa.
 Douglas, Archibald, do.
 Sparrow, Charles, do.
 Russell, Alexander J., do.
 Coffin, William F., do.

3—Elgin.
 Acres—440,287.
 Population—1862—25,418.
 Assessed Value—1865, £1,579,978.
 Liabilities—37,000.
 Amount of Debent. Issued—£12,000.

County Officials.
 Warden—Thomas Locker, Aylmer.
 Treasurer—Henry Black, St. Thomas.
 Registrar—John McKay, St. Thomas.
 Clerk—William McKay, St. Thomas.
 Surveyor—C. Fraser, Port Rowan.
 Judge County Court and Chairman
 Quarter Sessions—D. J. Hughes, St.
 Thomas.
 Sheriff—Colin Munro, St. Thomas.
 Clerk of Peace—James Farley, St.
 Thomas.
 Clerk of County Court and Deputy
 Clerk of Crown—Peter Murtaugh,
 St. Thomas.

Judge Surrogate—D. J. Hughes.
 Registrar Surrogate—Peter Murtaugh.

Clerks of Division Courts.

Division I.—Simon Newcombe, Vienna.
 Division II.—Wm. Campbell, Aylmer.
 Division III.—J. Powell, St. Thomas.
 Division IV.—William Harris, Iona.
 Division V.—Finlay McEanmild, Ald-
 borough.

County Town—St. THOMAS.

Chief Magistrate—David Parish, St.
 Thomas.
 Clerk—James Stanton, St. Thomas.
 Population—2,500.
 Assessed value in 1855—£182,143.
 Taxes per £ Annual Value,—2s. 6d.

Municipalities.

Townships—Aldborough, Bayham, Dor-
 chester South, Dunwich, Malahide,
 Southwold, Yarmouth; Town of St.
 Thomas and Village of Vienna.

Magistrates.

Hughes, David John, St. Thomas.
 Dobbie, Andrew.
 Wrong Gilbert, Malahide.
 Wilson, Benjamin, Yarmouth.
 Ermattinger, Edward, St. Thomas.
 Hodgkinson, Philip, Malahide.
 Munro George, Aldborough.
 Bellairs, James P.
 Robb, George, Southwold.
 Burwell, Leonidas, Bayham.
 Saxon, Alexander, do.
 Fowler, Lovi, Southwold.
 McKenzie, Murdock.
 Hanvey Daniel, St. Thomas.
 Alexander, John, Vienna.
 Edison Thomas.
 Moore, Andrew, Bayham.
 Cline, Jacob.
 Coyne Thomas G., London.
 Abel Daniel.
 Davis, Wm. Hampstead, Malahide.
 Harvey, Joseph, do.
 Clayton, Peter, do.
 Bentley, Randall.
 King, Hooper, St. Thomas.
 Hodge, Alexander.
 Kent, John.
 McKay, John, St. Thomas.
 Southwick, George.
 Hodge, Thomas.
 Lanning John, Yarmouth.
 Fordyce, Asa.
 Johnson, Randolph, Yarmouth.
 Ganson, Elisha S. Malahide.
 Kepp, Jesse, Yarmouth.
 Brown James, Malahide.
 Haight, James.
 Crawford, John Matthew, Vienna.
 Thompson Bryce.
 Bostwick, Joseph R., Yarmouth.
 Paul, Eitham, St. Thomas.
 Claris, George T., do.
 Gustin, Henry A., Vienna.
 Shore, William.
 Bannerman, George.
 Wrong, John W.
 Clark, John, Dunwich.
 Hutton, James.
 Moore, Lindley.
 Minor, Samuel.
 Willey, Moses, Dunwich.
 McPherson, Peter.
 Gunn, Hugh, Dunwich.
 Finn, James, South Dorchester.
 Ross, William, St. Thomas.
 Forsyth, John.
 McLaughlin, James, Southwold.
 Molloy, George, do.
 Burns, Patrick, do.
 Bobber Pat lck, Yarmouth.
 Cameron, Ewen, Southwold.
 Locker Thomas, Malahide.

Moore, Martial Timothy, St. Thomas.
 McIntyre, Hugh, Yarmouth.
 Sells, William, Southwold.
 McCall, Nichol, do.

4.—Essex.

Acres—433,300.
 Population—16,817.
 Assessed Value in 1855—£720,000.
 Liabilities—£8,000.
 Amount of Debentures Issued—£8,000.

County Officials.

Warden—S. S. Macdonell, Windsor.
 Treasurer—George Bullock, Sandwich.
 Registrar—Col. J. Askin, Sandwich.
 Clerk—J. H. Wilkinson, Sandwich.
 Solicitor—J. H. Wilkinson, do.
 Surveyor—P. S. Donnelly, do.
 Judge County Court and Chairman
 Quarter Sessions—Alex. Chewett,
 Sandwich.
 Sheriff—William D. Baby, Sandwich.
 Clerk of Peace—Charles Baby, do.
 Clerk of County Court—John McEwan,
 Windsor.
 Deputy Clerk of the Crown—Pierre H.
 Morin, Sandwich.
 Judge Surrogate—John A. Wilkinson,
 Sandwich.
 Registrar Surrogate—James Askin.

Clerks of Division Courts.

Division I.—Joseph Mercer, Sandwich.
 Division II.—Alanson Batsford, Am-
 herstburg.
 Division III.—J. King, Kingsville.
 Division IV.—Gordon Buchanan, Col-
 chester.
 Division V.—J. Wigfield, Mersea.
 Division VI.—F. Graham, Rochester.

County Town—SANDWICH. (Not Incorporated.)

Municipalities.

Townships.—Anderdon, Colchester,
 Gosfield, Maidstone, Malden, Mer-
 sea, Rochester, Sandwich, Tilbury
 West; Town of Amherstburg and
 Village of Windsor.

Magistrates.

Chewett, Alexander, Sandwich.
 Elliott, Charles, do.
 Duff, William, Amherstburg.
 Prince John, Sandwich.
 Wilkinson, John A., Sandwich.
 Reynolds Robert, Amherstburg.
 Sloan, John, Anderdon.
 Morin, Pierre H., Sandwich.
 Laliberte, Jean B., Malden.
 Elliott, Robert B., do.
 Caron, Francois, do.
 Buchanan, John G., Colchester.
 Bower, Martin, Gosfield.
 Foster Ralph, Mersea.
 Grant Duncan, Maidstone.
 Gathfield, William, Anderdon.
 Wright, Henry, do.
 Woodbridge, Thomas, Sandwich.
 Rankin, Arthur, do.
 Cornwall, Charles, Colchester.
 Brush, John, do.
 Gravelin, Joseph, do.
 Lidwell, Abner, do.
 Forries, John, Jun., do.
 Buchannan, Gordon, do.
 Boyle, Thomas, do.
 Hawkins, Thomas, do.
 Dougall, James, Amherstburg.
 Taylor, Peter, do.
 Rheame, Oliver, do.
 Aldrich, Schayler, do.
 Morehouse, Daniel, Gosfield.
 Sheldon, Joseph, do.
 Coatsworth, Joseph, do.

Sheldon, Wal-
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 Grant, Dunc-
 Ainslie, Geor-
 Malsonville,
 Strong, Josia-
 Boydell, Leop-
 Langton, Thos-
 Paxton, Thos-
 Askow, Isaac
 Anderson, H-
 Wilson, Will-
 Malotte, Jose-
 Malotte, Thos-
 Ambridge Fr-
 Ferris, Math-
 Hanwell, Hen-
 McLeod John-
 McCormick, J-
 Park, Thoma-
 Reynolds, Ed-
 Scratch, Pete-
 Struthers, Ju-
 Downing, Du-
 Cuthbertson,
 McEwen, Joh-
 Wigle, Wm
 Wilkinson, A-
 Wilcox Asa,
 Bell, James,
 Wright, Phil-
 Redsdale Joh-
 Bratt, Joseph
 Morin, Josep-
 McKenny, H-
 Bartlett, W-
 Domai, Vital-
 Lafferty, Fel-
 King, James
 Thompson, J-
 Grenier, Joh-
 Noble, Jame-
 Koffage, Joh-
 Bostford, Da-
 Quick, Corne-
 Hunt, Char-
 Hall, William
 Kennedy, H-
 Crow, Henry
 Salmon, Th-
 Donaldson, I-
 Peel, Spence

5.—Front

Acres—1,335
 Population 1
 Assessed Va
 Liabilities—
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 Amount of

Warden—D-
 Treasurer—
 Registrar—
 rand, Kir-
 Registrar of
 Isaac Fra-
 Clerk—Geor-
 Napanee.
 Solicitor—
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 Surveyor—
 Judge Cou-
 Quarter
 Q. C., Kin-
 Sheriff—Th-
 Clerk of Pe-
 Clerk of C-
 Kingston
 Judge Sur-
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 Milhaven

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A. Wilkinson,

James Askin.

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Batsford, Am-

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Sheldon, Waley, Gosfield.
Bruner, Abraham, do.
Grant, Duncan, Maldstone.
Ainslie, George, Mersea.
Maisonville, Olivier, Sandwich.
Strong, Josiah, Colchester.
Boydell, Leopold.
Langton, Dominique, Sandwich.
Faxon, Thomas, Malden.
Askew, Isaac, do.
Anderson, Robert, do.
Wilson, William, Rochester.
Malotte, Joseph, Gosfield.
Malotte, Theodore, Mersea.
Ambridge Frederick, do.
Ferris, Matthew, Colchester.
Banwell, Henry, Sandwich.
McLeod John, Malden.
McCorinick, Alexander, Point au Pelee.
Park, Thomas F., Amherstburg.
Reynolds, Ebenezer, Malden.
Scratch, Peter, Gosfield.
Struthers, James, Maldstone.
Downing, Denis, do.
Cuthbertson, James, Sandwich.
McEwen, John, Windsor.
Wigle, Windle, Gosfield.
Wilkinson, Alexander, Mersea.
Wilcox Asa, Colchester.
Bell, James, do.
Wright, Philip S. do.
Redsdale John, do.
Bratt, Joseph, do.
Morin, Joseph, Amherstburg.
McKenney, Henry, do.
Bartlett, William, do.
Demul, Vital T., do.
Lafferty, Felix.
King, James, Gosfield.
Thompson, Lennox, Colchester.
Grenier, John B.
Noble, James, Jun., Amherstburg.
Kofage, John G.
Bostford, Daniel, Anderton.
Quick, Cornelius, Colchester.
Hunt, Charles, Windsor.
Hall, William G, Windsor.
Kennedy, Henry, do.
Crow, Henry John, Gosfield.
Salmon, Thomas, Amherstburg.
Donaldson, Robert, Anderton.
Peel, Spencer, do.

5.—Frontenac, Lennox, and Addington.

Acres—1,335,040.
Population in 1852—42,270.
Assessed Value in 1856—£1,759,000.
Liabilities—22,926, (including £18,100 taken by United Counties in Roads.)
Amount of Debentures Issued—

County Officials.

Warden—D. Roblin, Napanee.
Treasurer—W. Ferguson, Kingston.
Registrar of Frontenac—James Durand, Kingston.
Registrar of Lennox and Addington—Isaac Fraser, Milhaven.
Clerk—George H. Dettlor, Kingston or Napanee.
Solicitor—Thos. Kirkpatrick, Kingston.
Surveyor—D. C. Smith, Mill Creek.
Judge County and Chairman Quarter Sessions—K. Mackenzie, Q. C., Kingston.
Sheriff—Thomas A. Corbett, Kingston.
Clerk of Peace—J. Waudby, Kingston.
Clerk of County Court and Deputy Clerk of Crown—Peter O'Leilly, Kingston.
Judge Surrogate—George A. Cummings, Kingston.
Registrar Surrogate—Isaac Fraser, Milhaven.

Clerks of Division Courts.

Division I.—E. A. Burrows, Kingston.
Division II.—Edward Wright, Bath.
Division III.—Edwin Mallory, Fredricksburgh.
Division IV.—O. S. Clapp, Napanee.
Division V.—W. Whelan, Centreville.
Division VI.—Edward Upham, Leughborough.
Division VII.—Peter McKim, Waterloo.
Division VIII.—F. Selden, Tanworth.
Division IX.—Edwin Mallory, Fredricksburgh.
Division X.—Samuel Stewart, Spike's Corners.
Division XI.—Henry Pultz, Wilton.
Division XII.—Hugh Campbell, Storrington.

County Town—Kingston.

Mayor—O. S. Gildersleeve, Kingston.
Police Magistrate—Thomas W. Roblin, M.D., Kingston.
Clerk—Michael Flanagan, Kingston.
Population—about 15,000.
Assessed Value in 1856, £78,436 1s. 6d.
Taxes per £ Annual Value—2s. 7d.

Municipalities.

Townships in Frontenac.—Barrie, Bedford, Churndon, Hinchinbrooke, Howe Island, Kenneboc, Kingston, Loughborough, Olden, Oso, Palmerston, Pittsburgh, Portland, Storrington, Wolfe Island, and City of Kingston.
Townships in Lennox—Adolphustown, Fredricksburgh, Richmond.
Townships in Addington—Amherst Island, Angelsea, Camden, Ernest Town, Kaladar, Sheffield.

Magistrates.

McKenzie, Kenneth, Kingston.
Fraser, Isaac, Ernest Town.
Church John, Fredricksburgh.
Dorland Samuel, Adolphustown.
McNerson, Allan, Richmond.
Sampson, James, Kingston.
McKenzie, Colin, Bath.
Pamblough Jacob, Camden.
Harks, John B., Pittsburg.
Hancox, Orton, Bath.
Clarke, Samuel, Camden.
Caton, Archibald, Richmond.
Casey, Samuel, Adolphustown.
McDonnell, Archibald, Sheffield.
Seymour, Benjamin, Bath.
Holditch, William, Loughborough.
Shinkins, William, do.
Yeomans, Horace, Kingston.
Cowan, Alexander, Sen., Pittsburg.
Askew, Thomas, Kingston.
Wilson, William, do.
Mowat, John, do.
Beith, Duncan, do.
Asselstine, Michael, Ernest Town.
Fairfield, William Joseph, do.
Ruttan, Matthew, Adolphustown.
Dorland, Peter V., do.
Garrett, William, Kingston.
Sandler, Henry, do.
Counter, John, do.
Harper, Francis A., do.
Asselstine John, Ernest Town.
Ham, Benjamin, do.
Smith, Darius, C. do.
Wilson, James, Richmond.
Schermahorn, Amos, do.
Cameron, Angus, Wolfe Island.
Huffman, Elijah, Camden.
Hawley, Joseph C. Fredricksburgh.
Switzer, Elijah, Ernest Town.
Campbell, Samuel, Loughborough.
Miller, Cephas H. Camden.
Warner, Sidney, Ernest Town.
Roblin, David, Napanee.
Ashley John, Kingston.
Beamish, William, do.

Spring John, Loughborough.
Radcliffe, William, Amherst Island.
Scott, Thomas, do.
Benson John, Richmond.
Palmer Noble, Kingston.
Daverne, Richard, Adolphustown.
Eason, Robert, do.
Wright, Paul, do.
Ham, Richard, Fredricksburgh.
Hayward, William, do.
Davy, Peter, Ernest Town.
Elsk, Milton, do.
Fraser, Charles, do.
Stewart Robert, do.
Bell, William, M., Camden.
Sisson, Edmund J., do.
McKinty, John, Amherst Island.
Howard Geo. ge. do.
Bruce, Joseph, Kingston.
Brown, James W., Kingston Town's p.
Dennis, Thomas, Portland.
Parley, Samuel D., Ernest Town.
Rourke, Matthew, Kingston.
Stewart, Neil, Sheffield.
Smith, Jacob, do.
Grier, John H., Kingston.
Williamson, James, do.
Robison, Thomas W., do.
Chamberlain, John, Fredricksburgh.
Diamond William, do.
Grange William, Richmond.
Miller, Thomas, Camden.
Price, Thomas, do.
Keller, Frederick, Ernest Town.
Parks David, Fredricksburgh.
Oliver, Frederick A., Richmond.
Miller, John, Ernest Town.
Outwater, Belgat, Fredricksburgh.
Gordanier John, Ernest Town.
Clarke, John C., do.
Ford, William, Jun., Kingston.
Fellows, Nathan, Ernest Town.
Waudby, John, Kingston.
Thibodo, Augustus, do.
Haines, John Josiah, do.
Ingersoll, Isaac, Fredricksburgh.
Hardy, George H., Kingston.
Mallory, Edwin, Fredricksburgh.
Waters, Bulkley, Loughborough.
Amey, Nicholas, do.
Clarke, Benjamin, Ernest Town.
Bowen James, Richmond.
Carruthers, John, Kingston.
Heath, Charles, do.
Anglen, Robert, do.
Coy, John, do.
Morley, Samuel, do.
Mathews, Robert, do.
Lenier, Peter, do.
Baker Thomas, do.
Briggs, Thomas, do.
Calvin, Dexter D., Wolfe Island.
Holden, Sylvester, Loughborough.
Madden, Hugh, do.
Rale, Thomas, do.
Ash, David, do.
Shibley, Edwin, Portland.
Lake, Denis, do.
Shibley, John, do.
Day, Absalom, do.
McKim, Peter, Kingston Township.
Wartman, Peter, do.
Campbell, James, Storrington.
Bond, Francis, do.
Shooner, Heubon, do.
Ferguson, William, Pittsburg.
Foster, Joseph, Camden.
Akins, George, do.
Whalan, William, do.
Lucas, Joseph, do.
Miller, George, do.
Stevenson John, do.
Dowling John, do.
Thompson, Robert, do.
Hawley, James F., do.
Lasher John, Ernest Town.
Davy, William H., do.
Timmerman, P.S., do.

Perry, Ebenezer, Ernest Town.
 Booth, Philip D., do.
 Fralick, Smith, do.
 Neville, Mitchell, do.
 Williams, Richard, do.
 Sconton, Jacob, do.
 Miller, John, Jun., do.
 Priest, Ezra D., do.
 Warner, Charles, do.
 Silis, George E., Jun., Fredericksburg.
 Hawley, Reuten C., do.
 Huffman, Henry, do.
 McGillivray, William, do.
 Barnhart, John, do.
 Aylesworth, John, do.
 Forshee, Peter J., do.
 McEwen, William, Sheffield.
 Murphy John, do.
 Clapp, Gilbert S., Richmond.
 Martin, Robert, do.
 McNeill, Archibald, do.
 Chamberlain, George, do.
 Beeman, Ira, do.
 Haight, Samuel D., Adolphustown.
 Curlett, Edward H., do.
 Sweetman, William, do.
 Dorland, John P., do.
 Taggart, Joseph, Bedford.

Counter, John, Kingston.
 Campbell, Alexander, do.
 Flanigan, John, do.
 Jenkins, John, do.
 McCunniffe, Michael, do.
 McDonnell, Archibald J., do.
 O'Reilly, James, do.

6.—Grey.

Acres—1,485,905.
 Population—about 20,000.
 Assessed Value in 1855—£500,000.
 Liabilities—£7,474.
 Amount of Debentures issued—None.

County Officials.

Warden—W. K. Fletcher, Artemisia.
 Treasurer—F. Le Pan, Owen Sound.
 Registrar, Thomas Lunn, Owen Sound.
 Clerk—George James Gale, do.
 Solicitors—Patton & Cressor, do.
 Surveyor—Charles Rankin, do.
 Judge Co. Court & Chairman Quarter Sessions—Frederick T. Wilkes.
 Sheriff—George Snider.
 Clerk of Peace—William Armstrong.
 Clerk of County Court and Deputy Clerk of Crown—Peter Inglis.
 Judge Surrogate—Frederick T. Wilkes.
 Registrar Surrogate—Peter Inglis.

Clerks of Division Courts.

Division I.—G. J. Gale, Owen Sound.
 Division II.—W. Jackson, Bentinck.
 Division III.—J. Williams, St. Vincent.
 Division IV.—T. Morke, Collingwood.
 Division V.—G. Armstrong, Artemisia.

County Town—SYDENHAM. (Not Incorporated.)

Municipalities.

Townships—Artemesia, Bentinck, Collingwood, Derby, Egremont, Euphrasia, Glenelg, Holland, Melancthon, Normanby, Osprey, Proton, St. Vincent, Sullivan, Sydenham.

Magistrates.

Wilkes, Frederick Thomas, Sydenham.
 Brown, George, do.
 Carney, Richard, do.
 Frost John, do.
 Jackson, George, Bentinck.
 Hadden, Robert, Sydenham.
 Lunn, Thomas, do.
 Mc Laren, Arch. do.
 Patterson, Robert, do.

Brown, Ezra, Sydenham.
 Herriman, Nathaniel, Derby.
 Neelands, William, do.
 Mitchell, Thomas, Sullivan.
 Watson, William, St. Vincent.
 Corley, William, do.
 Kerr, James, Euphrasia.
 Williams, John, St. Vincent.
 Stephens, Alexander, M., Sydenham.
 Corbet, George, do.
 Christie, David, do.
 Horton, Thomas B., do.
 Stephens, William, A. do.
 Ross, James, do.
 Cooper John, do.
 Grierson Robert, do.
 Riely, Henry, do.
 Inglis, Peter, Derby.
 Cardwell, Henry, Holland.
 Sproule, John, do.
 Halliday, William, Sullivan.
 Jackson, David, Glenelg.
 McNab, Alexander, B., do.
 Allan, Thomas, Bentinck.
 Legate Samuel, E., do.
 Brown, James, Egremont.
 Rogers, Benjamin, do.
 Bates, Henry, Melancthon.
 Armstrong, George, Artemesia.
 Flesher, William, K. do.
 Johnson, John, do.
 Abercrombie, Hugh, Euphrasia.
 Horton, Edward, Osprey.
 Hay, Sir James D. H., Bart., Osprey.
 Purdy, Jesse T., St. Vincent.
 Layton, David L., do.
 Trout, William, do.
 Stuart, Charles, Collingwood.
 Smith, Benjamin, E., do.
 Rankin, Charles, Sydenham.
 Coulter, Hugh, Derby.
 Devitt, George, Holland.
 Fergusson, William, Artemesia.

7.—Haldimand.

Acres—289,233.
 Population—20,000.
 Assessed Value in 1854, £379,530 1s. 6d.
 Liabilities—£7,519 18s.
 Amount Debent. issued—£7519 18s.

County Officials.

Warden—William Cook, South Cayuga.
 Treasurer—Agnew P. Farrell, Cayuga.
 Registrar—Agnew P. Farrell, do.
 Clerk—Francis J. Stevenson, do.
 Judge Co. Court and Chairman Quarter Sessions—John G. Stevenson, Cayuga.
 Sheriff—Richard Martin, Cayuga.
 Clerk of Peace—J. W. K. Graham, Cayuga.
 Clerk of Co. Court and Deputy Clerk of Crown—R. V. Griffith, Cayuga.
 Judge Surrogate—John G. Stevenson.
 Registrar Surrogate—R. V. Griffith.

Clerks of Division Courts.

Division I.—W. Thompson, Caledonia.
 Division II.—Dunc. Campbell, Cayuga.
 Division III.—J. Armour, Dunnville.
 Division IV.—E. Kent, Williamsville.

County Town—CAYUGA. (Not Incorporated.)

Municipalities.

Townships—Canborough, Cayuga North, Cayuga South, Dunn, Moulton, Onedda, Rainham, Seneca, Sherbrooke, Walpole; and Village of Caledonia.

Magistrates.

Stevenson, John G., Cayuga.
 Field, David McFarlane, Walpole.
 Farrell, Agnew P., Cayuga.
 Jarron, John, Moulton.

Steele, William, Walpole.
 Kirk, John, Moulton.
 Little, James, Seneca.
 Imiac, William James, Dunn.
 Birdsell, Samuel, Canboro.
 Hall, Geoffrey B., Walpole.
 Fitch, William, Canboro.
 Armour John, Moulton.
 Blott, William, Dunn.
 Cook, William, South Cayuga.
 Stilwell Silas, Walpole.
 Young, William, Onedda.
 Harcourt Michael, Seneca.
 Jackson, John, do.
 DeCew, Edmund, J., N. Cayuga.
 Follinsbee, John, Canboro.
 Hayatt, Hezekiah, Moulton.
 Eyles, William, Sherbrooke.
 Hyde, Frederick, Dunn.
 Nash, Abraham, South Cayuga.
 Hoasberger, Isaac, Rainham.
 Gowan, John S., Walpole.
 Lester, Thomas, Seneca.
 Van Every, William B., Seneca.
 Phelps, Oliver S., North Cayuga.
 Root, John, Sherbrooke.
 Kent, James, Rainham.
 Heasman, John, Walpole.
 McPherson, William, Seneca.
 Turner, Jacob, do.
 Smith, James P., Rainham.
 Woods, David, Walpole.
 Park, Paul, Seneca.
 McKinnon, Ronald, Seneca.
 Scoble, Alexander, do.

8.—Halton.

Acres—229,700.
 Population—About 20,000.
 Assessed Value in 1855, £1,990,000.
 Average Amount Taxes—£2143 1s. 7d.
 Liabilities—(No Return.)
 Amount of Debent. issued—£3,900.

County Officials.

Warden—Robert Miller, Milton.
 Treasurer—George Brown, Milton.
 Registrar—Thomas Racey, Milton.
 Clerk—Francis Humbergh, Milton.
 Solicitor—Gilbert Tice Bastedo, Milton.
 Surveyor—Henry Welter, Milton.
 Judge Co. Court and Chairman Quarter Sessions—Joseph Davis, Milton.
 Sheriff—Levi Willson, Milton.
 Clerk of Peace—Gilbert Tice Bastedo.
 Clerk of Co. Court and Deputy Clerk of Crown—W. L. P. Eager, Milton.
 Judge Surrogate—Jos. Davis, Milton.
 Registrar Surrogate—W. L. P. Eager.
 Crown Lands Agent—Samuel Clarke, Milton.

Clerks of Division Courts.

Division I.—John Holgate, Milton.
 Division II.—Robert Balmer, Oakville.
 Division III.—R. Young, Stewarttown.
 Division IV.—L. McDonald, Acton.
 Division V.—E. Black, Campbellville.
 Division VI.—William McCay, Nelson.

County Town—MILTON. (Not Incorporated.)

Municipalities.

Townships—Esquesing, Nassagawoya, Nelson, Trafalgar.

Magistrates.

Davis, Joseph, Milton.
 McKay, William, Nelson.
 Tyffe, Thomas, Trafalgar.
 Brown, George, do.
 Harwood, Henry do.
 Kinney, Peter, do.
 Williams, Justus, W. Oakville.
 Racey Thomas, Milton.
 Willson, Levi, do.

Howell, J.
 Barber, W.
 Springer,
 White, Jo
 Fisher, Pe
 Cleaver, J
 Buck, Joh
 Sovereign
 Gage Jam
 Bowman,
 Applebee,
 Clarke, Se
 Chisholm
 Chisholm
 Cobban, J
 Sprout Ad
 Ireland, J
 Patton, A
 Jarvis, Jo
 Orr, John
 Bray, Eaz
 Wilmot, K
 Jull, Tho
 Smith, Th
 Culham C
 Hagaman
 Davis, W
 Lawrence
 Hunter, E
 McNaugh
 Monzies,
 Hall, Rob
 Crawford
 Grant, A
 Stewart,
 White, J
 Stewart,
 Williams
 McPherso
 McNaugh
 Eastbrook
 McNair,
 Walters,
 Campbell
 Fletcher,
 Freeman,
 Stimmer
 Spence, V
 Miller, R
 McLeod,
 Douglas,
 Buntin,
 Ghent, G
 Brown, A
 Center, S
 Hall, As
 Kennedy
 Bessey J
 Freeman
 McDonald
 Adams, I
 Dayfoot
 Clay, Wi
 Joyce, W
 Bell, Nat
 Smith, I
 Thomas
 Robinson
 Beatty,
 McKinds
 Gillis Jo
 Pantan,
 Hill, Rob
 Fraser J
 Young,
 Switzer,
 Chisholm
 Youart,
 Kinney,
 Smith, I
 Thomps
 Hutche
 Feather
 Pettit, V
 Bowes,
 Lucas,
 Calvert,
 Laidlaw

Howell, John T., Trafalgar.
 Barber, William, Georgetown.
 Springer, David, R., Nelson.
 White, John, Milton.
 Fisher, Peter, Nelson.
 Cleaver, James, do.
 Buck, John, Trafalgar.
 Sovereign, Charles, Bronte.
 Gage James P., Wellington Square.
 Bowman, Samuel, Trafalgar.
 Applebee, James, do.
 Clarke, Samuel, do.
 Chisholm, George K., Oakville.
 Chisholm, Robert K., do.
 Cobban, James, Milton.
 Sprout Adam, Esqueling.
 Ireland, Joseph, Nelson.
 Patton, Andrew, do.
 Jarvis, John, Trafalgar.
 Orr, John F., do.
 Bray, Ezra, Bronte.
 Wilnot, Henry, Milton.
 Jull, Thomas, Oakville.
 Smith, Thompson, do.
 Culham Charles, do.
 Hagaman, Benjamin, Bronte.
 Davis, William, Nelson.
 Lawrence, Jacob, Trafalgar.
 Hunter, John, Esqueling.
 McNaughton, John, do.
 Menzies, James, do.
 Hall, Robert S., Hornby.
 Crawford, John C., Trafalgar.
 Grant, Alexander, Acton.
 Stewart, John, Esqueling.
 White, James, Trafalgar.
 Stewart, Duncan, Esqueling.
 Williams, Charles, Glen William.
 McPherson, Allan, Esqueling.
 McNaughton, Alex., Nassagaweya.
 Eastbrook, Thomas, do.
 McNair, James, do.
 Walters, James, do.
 Campbell, Archibald, do.
 Fletcher, Joseph, do.
 Freeman, Joshua, Nelson.
 Simmerman, Henry P., do.
 Spence, William, do.
 Miller, Robert, do.
 McLeod, Daniel, do.
 Douglas, Thomas, do.
 Buntin, William, do.
 Ghent, George, do.
 Brown, Alexander, Esqueling.
 Center, Socrates, do.
 Hall, Asa, Trafalgar.
 Kennedy, George, Georgetown.
 Bossey John, Trafalgar.
 Freeman John, Esqueling.
 McDonald, Lachlin, do.
 Adams, Rufus, do.
 Dayfoot Philo, do.
 Clay, William, do.
 Joyce, William, do.
 Bell, Nathaniel, Nelson.
 Smith, Hiram, Wellington Square.
 Thomas Edward, Trafalgar.
 Robinson, William, do.
 Beatty, William, do.
 McKindsay, Geo. C. do.
 Gillie John, Nassagaweya.
 Pantou, William, Nelson.
 Hill, Robert, Trafalgar.
 Fraser James, Esqueling.
 Young, James, Georgetown.
 Switzer, Harvey M., Palermo.
 Chisholm, A. M., Wellington Square.
 Youart John, Nassagaweya.
 Kinney, John, Lowville.
 Smith, Robert, Oakville.
 Thompson, George, Esqueling.
 Hutecheon, William, Nassagaweya.
 Featherston, Joseph, Nelson.
 Pettit, William G., Oakville.
 Bowes, Thomas, Milton.
 Lucas, John, Merton.
 Calvert, George, Nassagaweya.
 Laidlaw, Walter, Milton.

Paxton, William, Esqueling.
 Hamburg, Francis, Milton.
 Baxter, Thomas, Wellington Square.
 Wilson, John, Oakville.
 Duff, David, do.
 Mason, Hugh, Hornby.
 Marlatt, Samuel, Trafalgar.
 Cowin, Richard, Hornby.
 McGregor, John, Lowville.
 Cummings, T. G., Wellington Square.
 McIntosh, John, Norval.
 Arnot, James, Oakville.
 McTavish, Duncan, Ballinafad.
 Cross, David, Esqueling.
 Cameron, James, Acton.
 Kent, Francis, Norval.
 Elliot, Thomas, Nassagaweya.
 Bigler, John L., Trafalgar.
 Switzer, Samuel, Norval.
 Griffin, John, do.
 Tracey Richard, Esqueling.
 Douglas, Robert, Merton.
 McKinnon, John, Norval.

O.—Hastings.

Aeres—847,800.
 Population in 1851—31,977. (Probably
 now 37,000.)
 Assessed Value in 1855, £1,652,885.
 Liabilities—7501 7s. 1d.
 Amount Debent. issued, £7,301 7s. 1d.

County Officials.

Warden—George Benjamin, Belleville.
 Treasurer—F. McAnany, Belleville.
 Registrar—W. H. Ponton, Belleville.
 Clerk—Thomas Wills, Belleville.
 Solicitors—Ross & Bell, Belleville.
 Surveyor—James Jamieson, Belleville.
 Judge Co. Court and Chairman Quar-
 ter Sessions—William H. Smart,
 Belleville.
 Sheriff—J. W. Moodle, Dunbar.
 Clerk of Peace—J. O'Hare, Belleville.
 Clerk of Co. Court and Deputy Clerk of
 Crown—A. G. Northrup, Belleville.
 Judge Surrogate—John B. Crowe,
 Frankford.
 Registrar Surrogate—William Bowen,
 Frankford.

Clerks of Division Courts.

Division I.—Arch. Ponton, Belleville.
 Division II.—Ketcheson, Sidney.
 Division III.—H. Holden, Tyendinaga.
 Division IV.—Rob. McCammon, Hun-
 gerford.
 Division V.—William Judd, Stirling.
 Division VI.—Cyrus Riggs, Hastings.
 Division VII.—James J. Ryan, Moira.
 Division VIII.—S. M. Washburn, Can-
 niffville.
 Division IX.—H. Blecher, Trenton.

County Town—BELLEVILLE.

Chief Magistrate—J. O'Hare, Belleville.
 Clerk—R. Maitland Roy, Belleville.
 Population—About 6,000.
 Assessed Value in 1855—£35,600.
 Taxes per £ annual Value—2s. 6d.

Municipalities.

Townships.—Elzevir, Grimsthorpe,
 Hungerford, Huntingdon, Lake,
 Madoc, Marmora, Rawdon, Sidney,
 Thurlow, Tudor, Tyendinaga; Town
 of Belleville and Village of Trenton.

Magistrates.

Smart, William, Belleville.
 Turnbull, John, do.
 Ketcheson, William, Sidney.
 Bowen, William, Belleville.
 Ridley, George N., do.
 Portt, John, Tyendinaga.
 Fidler, Edward, Rawdon.

Ketcheson, Elijah, Sidney.
 Appleby, Thomas D., Tyendinaga.
 Johns, Solomon, Marmora.
 Bleeker, George, Belleville.
 Purdy, Ruliff, Sidney.
 McCarmen, Robert, Hungerford.
 Davis, James, Tyendinaga.
 Ingerman, Henry, Sidney.
 Hutton, William, Sidney.
 Davy, Benjamin F., Belleville.
 Holden Rufus, do.
 Gilbert John, Sidney.
 Turner, Gideon, do.
 Lockwood, Joseph N., do.
 Gilbert, Caleb, do.
 Fairman, William, Thurlow.
 Canniff, Joseph, do.
 Robinson, Samuel W., do.
 Chard, W., Rawdon.
 O'Hara, James, Madoc.
 Neal Michael, Tyendinaga.
 Herchermer, Charles L., Belleville.
 White, Patrick, Sidney.
 Durken, Owen, Hungerford.
 Seymour, Uriah, Madoc.
 Campion, William, Marmora.
 Ostrom, Simon, Sidney.
 Purdy, John, do.
 Huffman, John S., do.
 Gilbert, Stephen G., do.
 Bonnsteele, Charles, do.
 Jones, David, do.
 Clapp, David, Thurlow.
 Jamieson James, do.
 McKinn, Thomas, do.
 Taylor, George, do.
 Chisholm, Colin, do.
 Hicks, Philip D., do.
 Whiteford, James, Belleville.
 Benjamin, George, do.
 McAnany, Francis, do.
 Holden, Erastus, do.
 Flint, Billa, Jun. do.
 Lazier, Richard, Tyendinaga.
 McFarlane, John do.
 Mordan, James C., do.
 Blair, Hugh, Madoc.
 Parker, Robert, Rawdon.
 Hubbell, John, do.
 Lake, Nicholas, do.
 Maybee, Emanuel, do.
 Hilton, William, do.
 Reid, Nesbit, Huntingdon.
 Luke, Philip, do.
 Ketcheson, Owen, do.
 Archibald, James, do.
 Downing, William, Hungerford.
 Hart, George, do.
 Broadwith, Isaac, Marmora.
 Hope, William, Belleville.
 Reynolds, Nelson G., do.
 Donahue, John, do.
 Yeomans, Osa, do.
 Holton, Ezra Williams, do.
 Robertson, Peter, do.
 Bonter, Jacob, do.
 Connor, William, do.
 McGinnis, Hugh, do.
 Hunt, Burleigh, do.
 McCurdy, Jonathan, do.
 Smith, Albert L., do.
 Ponton, William H., do.
 Stevens, Samuel, do.
 Monro, Royal, do.
 Fairfield, John K., Thurlow.
 Farlay, James J., do.
 Phillips, George, do.
 Sills, William, do.
 Ponton, James, do.
 McTaggart, James, do.
 Ross, Archibald, do.
 Huffman, William, do.
 Casey, Samuel T., do.
 Ross, Leonard, do.
 Clapp, Dorland, do.
 Beninger, John, do.
 Campbell, William, do.
 Leavins, Hector, do.

Bird, Robert,	Sidney.
Farlay, Thomas D.,	do.
Frailick, Thomas T.,	do.
Meyers, Tobias J. W.,	do.
McMullen, Alexander,	do.
Merritt, Joseph,	do.
Roblin, Marshall B.,	do.
Lord, John,	do.
Wright, Anson,	do.
Davis, Richard,	do.
Hogle, Stephen II.,	do.
Roblin, David,	do.
Zwick, George T.,	do.
Vandervoort, David,	do.
Holden, Hiram,	Tyendinaga.
Allison, Benjn. J.,	do.
Emmons, William,	do.
Ially, John,	do.
Hart, Orlean,	do.
Morden, Joseph W.,	do.
Hanley, John,	do.
Egan, John,	do.
Allen, James,	Hungerford.
Caton, William,	do.
Roblin, Joy,	do.
Larkin, Paul,	do.
Howell, David S.,	do.
Whitaker, Josiah W.,	do.
Holgate, Thomas,	Huntingdon.
Clarke, Timothy,	do.
Struter, Merritt,	do.
Ketcheson Aaron,	do.
Fuller, Benjamin R.,	do.
Woodward, Daniel,	do.
McTaggart, Allan,	do.
Rosa, Daniel,	do.
Pringle, Ard,	do.
Haggarty, James,	do.
Leggett, Joseph,	Marmora.
Crawford, Hugh,	do.
Hughes, Laughlin,	do.
Stewart John,	Rawdon.
Smith, Henry,	do.
Bush, Joseph R.,	do.
Sine, William,	do.
Cummings, Jedediah,	do.
Vankleek, Barnabas, Madoc.	do.
Olsted, George A.,	do.
Allen William,	do.

10.—Huron and Bruce.

Acre, Huron—892,769 }
 " Bruce—634,764 } 1,527,533.
 Population in 1852—22,045.
 Assessed Value in 1854—£1,463,778.
 Liabilities—£82,515.
 Amount Debent. Issued—£81,950.

County Officials.

Warden—John Holmes, Holmesville.
 Treasurer—George Brown, Goderich.
 Registrar—John Galt, Goderich.
 Clerk—David Hood Ritchie, Goderich or Bayfield.
 Solicitor—John Strachan, Goderich.
 Surveyor—William Perceval, Goderich.
 Judge Co. Court and Chairman Quarter Sessions—Vacant.
 Sheriff—John McDonald, Goderich.
 Clerk of Peace—Dan. Lizars, Goderich.
 Clerk of Co. Court and Deputy Clerk of Crown—Hugh Johnson, Goderich.
 Judge Surrogate—Vacant.
 Registrar Surrogate—Hugh Johnson, Goderich.

Clerks of Division Courts.

Division I.—W. A. Williams, Goderich.
 Division II.—L. Meyers, Harpurhay.
 Division III.—C. Barker, Kincardine.
 Division IV.—T. Carter, McGillivray.
 Division V.—Thomas Trivitt, Devon.
 Division VI.—John Clark, Wawanosh.
 Division VII.—D. H. Ritchie, Bayfield.

County Town—GODERICH.

Chief Magistrate—Robert Gibbons.
 Clerk—Thomas Kydd.

Assessed Value in 1854—£151,165.
 Taxes per £ Annual Value—3s.

Municipalities.

Townships in Huron—Ashfield, Biddulph, Colborne, Goderich, Grey, Howick, Hay, Hullett, Morris, McGillivray, McKillop, Stanley, Stephen, Tuckersmith, Turnberry, Usborne, Wawanosh; and Town of Goderich.

Townships in Bruce—Arran, Brant, Bruce, Carrick, Culross, Elderslie, Greenock, Huron, Kincardine, Kinloss, Saugeen.

Magistrates.

Scott, John.
 Bell, Robert, Tuckersmith.
 Brown, George, Goderich.
 Chalk, William, Tuckersmith.
 Holmes, John, Goderich.
 Longworth, John, do.
 Murray, James, Hay.
 Meyer, Ludwig, McKillop.
 Piper, William, Goderich Mills.
 Ritchie, David H., do.
 Scott, James, Usborne.
 Thompson, George, Hullett.
 Clark, David, Colborne.
 Van Egmond, C. L., Hullett.
 Watson, James, Goderich.
 Jones, Thomas M., do.
 Broadfoot, Alexander, Tuckersmith.
 Gordon, James, do.
 Creswell, James, do.
 McIntosh, John, do.
 Girvin, Charles, Wawanosh.
 Lamb, Thomas, Usborne.
 Bryden, James, McKillop.
 Murray, James, Jr., Usborne.
 Scott, Robert, Sen., McKillop.
 Elliott, George, Goderich.
 O'Connor, Hamilton B., do.
 Parsons, Benjamin, do.
 Gibbons, Robert, do.
 McMahon, James, do.
 Seegmiller, Jacob, do.
 Herr, Joseph, do.
 Shoff, Daniel, Biddulph.
 Willis, Castor, Hay.
 Grant, Peter, Stanley.
 Calloway, Joshua, do.
 Wilkie, James, Hay.
 Brace, Harvey, Colborne.
 Arnaud, John, Jr., do.
 Barber, James, McGillivray.
 Downey, Dennis, McKillop.
 Monteith, Andrew, Colborne.
 Dickson, James, Tuckersmith.

11.—Kent.

Acre—488,284.
 Population in 1851—17,469.
 Assessed Value in 1855—£1,120,145.
 Liabilities—£7,400.
 Amount of Debentures Issued—£7,400.

County Officials.

Warden—James Smith, Dawn Mills.
 Treasurer—A. Charteris, Chatham.
 Registrar—Alex. Knapp, Chatham.
 Clerk—William Cosgrave, Chatham.
 Judge Co. Court and Chairman Quarter Sessions—W. B. Wells, Chatham.
 Sheriff—John Mercer, Chatham.
 Clerk of Peace—G. Duck, Jr., Chatham.
 Clerk of County Court and Deputy Clerk of Crown—Thomas A. Ireland, Chatham.
 Judge Surrogate—William B. Wells.
 Registrar Surrogate—George Williams.

Clerks of Division Courts.

Division I.—T. Glendenning, Chatham.
 Division II.—G. Duck, Morpeth.
 Division III.—D. Wallace, Dawn Mills.

Division V.—George Young, Harwich.
 Division V.—James Little, Deal Town.
 Division VI.—R. Mitchell, Dover.

County Town—CHATHAM.

Mayor—Alex. D. McLean.
 Clerk—Duncan McColl.
 Population—About 4,000.
 Assessed Value in 1855—£335,500.
 Taxes per £ Annual Value—2s. 1d.

Municipalities.

Townships.—Camden, Chatham, Dover East, Dover West, Harwich, Howard, Orford, Raleigh, Romney, Tilbury East, Zone; and Town of Chatham.

Magistrates.

Wells, William B., Chatham.
 McCrae, Thomas, do.
 Duck, George, Morpeth.
 McKellar, Archibald, Chatham.
 Dillon, Timothy, Raleigh.
 McIntyre, Thomas, Harwich.
 Mitchell, Robert, Dover East.
 Ingalls, Otis, Camden.
 Shaw, James G., do.
 Smith, James, do. (Gore.)
 Smith, Thomas W., Dover.
 Robertson, Alex. H., Chatham (Town).
 Burns, James, do.
 Baby, William L., Harwich.
 Delmege, John F., do.
 Young, George, do.
 Patterson, Walter, Howard.
 Decow, William, do.
 Unsworth, John, do.
 Ridley, Edward, Orford.
 Ronalds, Henry, Raleigh.
 Keating, John W., Chatham (Town).
 Dolsen, John L., do.
 Vosburg, John S., do.
 Holmes, Abraham S., do.
 Salter, Albert P., do.
 Everitt, William A., do. Township.
 Arnold, Samuel, do.
 Fisher, John, do.
 McLean, William, do.
 Knapp, Solomon M., do.
 Williams, John B., do.
 McVicar, Duncan, do.
 Ridley, Henry, Harwich.
 Moorehouse, Daniel, Orford.
 Lattimer, William, Howard.
 Richardson, Joseph, do.
 Rushton, Richard, do.
 White, Stephen, Harwich.
 Jenner, Thomas, do.
 Handy, Eben M., do.
 Smith, Thomas, do.
 Dolsen, John M., do.
 Kinney, Stephen, do.
 Smith, David B., Zone.
 Stephenson, Richard, do.
 Sherman, David, Camden.
 Merrill, J. P., Plunt, do.
 Chambers, William, do.
 Pardo, Thomas, Raleigh.
 Smith, Joseph, do.
 Drake, Francis, do.
 Smith, Robert, do.
 Simpson, Peter, Tilbury East.
 McGregor, Alexander, do.
 Smith, John, Chatham.
 King, Gilman, Howard.
 Hugheson, Nathaniel, Harwich.
 Mills, Joseph, Camden.
 Gordon William, Dover.
 McMichael, John, Harwich.
 Shackleton, William, do.
 Jackson, Thomas, Romney.
 Renwick, Thomas, do.
 Thomas, George, Chatham.
 Charteris, Alexander, do.
 Eberts, Henry, do.
 Jacob, John, Dover.

Andrews, I.
 Waddell, J.
 Northwood

Acre—699.
 Population—
 Assessed Value—
 Liabilities—
 Amount of

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 Treasurer—
 Sarnia.

Registrar—
 Clerk—Ale

Surveyor—
 Judge Co.

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Sheriff—Ja
 Clerk of I

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 Biddle, J

Baby, Jar
 Duncan, J

Hill, Thos
 Dunlop, J

Watson, J
 Eastman,

Vidal, (J
 Porter, J

McDonald
 Merritt, J

Eccles, J
 Harrower

Alison, H
 Hill, Rob

Glass, H
 Fraithro

McGregor
 Vidal, A

McCall, I
 Copeland

Skelbeck
 Watson,

Fisher, A
 Fisher, J

Crooke, J
 Hill, Sar

Dewar, A
 Casey, J

Symingl
 Carroll,

McAlph
 Hay, Al

Haine, I

Jones, William, Montague.
Davis, Robert, Beckwith.
McLaren, Collin, do.
McLaren, Alexander, do.
Houston, William, Ramsay.
Moffatt, Alexander, Westmeath.
Richards, William, Drummond.
Jackson, James, do, 11th con.
Ayton, Hophney, do.
Halfpenny, William, Lanark.
Robertson, John, Darling.
Conboy, John, Beckwith.
Knapp, Reuben A., Montague.
Shields, James, do.
Harper, Robinson, Smith's Falls.
Gillhull, James, Montague.
Bell, James, Perth.
Grant, John P., do.
Doran, John, do.
Mair, James, do.
Templeton, James, Drummond.
Mansfield, Thomas, do.
Ferguson, Alexander, do.
Ferguson, Henry, do.
Robertson, Hugh, do.
McDonald, Henry, do.
Dowdall Patrick, do.
Richey, Josias, Bathurst.
Lees, William, do.
Ritchie, John, do.
Motherwell, John, do.
Adams, John W., do.
Noonan, James, do.
Lake, Henry, Elmsley.
Nichol, Thomas, do.
Ward, Abel R., do.
Wilson, John, Burgess.
Allan, John, do.
Byrnes, Patrick, do.
Purdon, William, Dalhousie.
Blair George, do.
McCrea, Edward, Jr., Montague.
Shields, Peter, do.
McCrea, James N., do.
Bissell, Alphcus, do.
Kelly, Michael, do.
Foster, John, do.
Andrews, Rufus, do.
Dorland Edward, Beckwith.
Scott, William, Lanark.
Robertson, Robert, do.
Anderson, Jean W., do.

Smith, James, North Sherbrooke.
Wilson, David, do.
Smith, Robert, do.
Adams, Aloah, South Sherbrooke.
Campbell, David, Ramsay.
Robertson, John, do.
Toehack, Greville, do.
Coleman, Smith, do.
Bowland, John, do.
Murphy, Michael, Innisville.
Blair, George, Darling.
Murphy, John, do.
McArthur, Arthur, Pakenham.
Russell, Andrew, do.
Boyce, Charles, do.
Brown, Robert, do.
Patterson, Archibald, Admaston.
Moore, Elias, do.
German, Thomas, do.
Rose, Ezra, Bagot.
Fraser, Alexander, do.
McCrea, Gerrard, do.
Ferguson, Duncan, Bromley.
Flitzpatrick, Henry, do.
Murphy, John, do.
Paris, John, McNab.
Morris, James, Jr., do.
Rochester, George, do.
Brown, David T., do.
White, Peter, Pembroke.
Moffatt, William, do.
Fraser, Hugh, do.
Olmstead, Ephraim, Ross.
Grant, James, do.
McLaron, John, Portage du Fort.
Shaw, John, Unsurveyed Lands.
King, John Wilberforce.
Bellows, Caleb S., Westmeath.
Chamberlain, Hiram, do.
Hamilton, Hugh, do.
McIntyre, Robert, Renfrew Village.
Brady Thomas, Mount St. Patrick.
Nichol, James S., Perth.
Hall, Francis G., do.
Allan, James, do.
McDougall, Archibald, Smith's Falls.
Beckwith, J. T., do.
Deacon, John, South Sherbrooke.
Stevenson, John, Lanark, 11th con.
Hall, John, do.
Tennant, Thomas, do.
Stevenson Alexander, Bellamy's Mills.
Gibraith, David, Ramsay.
Smith, Robert, Bromley.
Bell, John, Bembrooka.
Supple, John, do.
Young, James, Bathurst.
Shaw, John, Ramsay.
Burrows, James, Franktown.
Maitland, James, Montagua.
Bates, Joshua, do.
Wylie, James H., Ramsay.
Duncan, James, Beckwith.
Morris, William, McNab.
Vandusen, Charles, Montagua.
Giff, Thomas, do.
Merrick, Simon D., do.
McPhail, Archibald, do.
Stewart, John, do.
Maitland, Peter, do.
Hickey, Michael J., Eganville.
McDougall, John Lorn.
Clark, Peter, Montagua.
Woods, David, do.
Chambers, Gabriel, do.
Andrews, Silas, do.

14.—Leeds and Grenville.

Acres—736,825.
Population in 1852—50,087.
Assessed Value in 1855—£1,766,869.
Liabilities, exclusive of Debentures,—£2204, 13s.
Amount of Debet. Issued—£14,175.
County Officials.
Warden—Elezar H. Whitmarsh, Merrickville.

Treasurer—J. L. Schofield, Brockville.
Registrar for Leeds—David Jones, Brockville.
Registrar for Grenville—John Patton, Prescott.
Clerk—James Jessup, Brockville.
Surveyor for Leeds—Edward Robertson, Brockville.
Surveyor for Grenville—Michael Kelly, Merrickville.
Judge County Court and Chairman Quarter Sessions—George Malloch, Brockville.
Sheriff—Adel Shorwood, Brockville.
Clerk of Peace—J. Jessup, Brockville.
Clerk of County Court and Deputy Clerk of Crown—Thomas D. Campbell, Brockville.
Judge Surrogate—George Malloch, Brockville.
Registrar Surrogate—James Jessup, Brockville.

Clerks of Division Courts.

Division I.—John B. Jones, Brockville.
Division II.—V. Kuapp, Prescott.
Division III.—Joseph McKelvey, Gananoque.
Division IV.—R. Leslie, Kemptville.
Division V.—M. Kelly, Merrickville.
Division VI.—John Warren, Beverly.
Division VII.—H. McCrea, Frankville.
Division VIII.—James B. Stevens, Newborough.
Division IX.—W. King, Farmersville.
Division X.—Thomas Robertson, Spencerville.
Division XI.—W. Lyman, N. Augusta.
Division XII.—Alfred A. Munro, Malorytown.

County Town—BROCKVILLE.

Mayor—John Crawford.
Clerk—George S. Maclean.
Population—About 4,500.
Assessed value in 1855—£225,824.

Municipalities.

Townships in Leeds—Bastard, Crosby North, Crosby South, Elizabethtown, Elmsly, Escott, Kitley, Landsdown, Leeds, South Burgess, Yonge; and Town of Brockville.
Townships in Grenville—Augusta, Edwardsburgh, Gower South, Oxford, Wolford; and Town of Prescott.

Magistrates.

Malloch, George, Brockville.
Bottom, William H., Oxford.
Hurd, Truman, do.
Weatherhead, John, Brockville.
McLean, Archibald, Yonge.
Jones, Dunham, Augusta.
Brown, William, Wolford.
Church, Basil R., do.
McIlmoyle, James, Edwardsburgh.
Schofield, Peter, Eastard.
Leggatt, John, North Crosby.
Powell, Robert, Elizabethtown.
Glasford, Paul, do.
Reade, John L., Wolford.
Jessup, Hamilton D., Augusta.
Bradfield, Henry, Elizabethtown.
Schofield, James L., Brockville.
Horton, Nicholas, Elizabethtown.
Sheffield, Thomas, Jr., Crosby, Kilburn, John, do., or Wexford.
Shaw, James, South Crosby.
Johnston, Richard, Landsdown.
Goff, Joseph, Elizabethtown.
Hirsee, Nicholas, Bastard.
McCrea, Alexander, Wolford.
McCargo, Milo, South Gower.
Reynolds, Samuel, Brockville.
Dunham, Ephraim, do.
Pennock, Philemon, Augusta.

McCargar, Thomas, Oxford.
Blakely, John, Bastard.
Tett, Benjamin, Crosby.
McDonald, William S., Gananoque.
McLean, John, Elizabethtown.
Buell, William, Brockville.
Booth, John G., Elizabethtown.
Bates, Joshua, Yonge.
Witso, Joseph, do.
Merrick, Aaron, Wolford.
Gairford, Thomas, Prescott.
Howard, Matthew M., Elizabethtown.
Lee, Palmer, Yonge.
Crow, John, Edwardsburgh.
Booth, John, Yonge.
Purvis, Thomas, do.
McSweeney, Peter, South Gower.
Brooker, James, Yonge.
Dougherty, George, Oxford.
Garvey, William, Maitland.
Chamberlain, Wyatt, Kitley.
Holmes, Richard, do.
Adams, Peter, Edwardsburgh.
Bellamy, Samuel J., Augusta.
Simpson, William, Elmsley, South.
McCrea, Walter, Wolford.
Riddle, William, Elmsley, South.
Merrick, Stephen H., Wolford.
Green, Wm., Landsdown, or Yonge.
Delong, Jesse, South Crosby.
Howard, William M., Landsdown.
Fox, Arthur, Yonge.
Ketchum, John, Elizabethtown.
Landon, Elisha, Elmsley.
Holdon, John, Prescott.
Adams, Joshua, South Gower.
Arnold, George W., Brockville.
Blanchard, Hiram W., Elizabethtown.
Bolton, Richard, Wolford.
Bryan, William, do.
Burritt, Edmund, do.
Campbell, William, Oxford.
Carson, Andrew, do.
Cook, Roswell, Edwardsburgh.
Coller, Elisha, Wolford.
Craig, John, Oxford.
Davis, Peter, Elizabethtown.
Earl, William, Landsdown.
Edgar, James, Kitley.
Ferguson, Robert, Kitley.
Griffin, Asa H., Wolford.
Green, Edward, Leeds.
Headlam, Robert, Augusta.
Higgins, James, Prescott.
Hill, Thomas, Elizabethtown.
Halliday, Noah, North Crosby.
Hooker, Alfred, Augusta.
Johnston, John, Escott.
Keeler, James, Edwardsburgh.
Kernehan, Robert, Oxford.
Landon, Heman, Elizabethtown.
Mafr, Thomas, Brockville.
Mallory, Ira, Yonge.
Meneally, William, Augusta.
Moses, William, South Gower.
Moulton, William, Yonge.
Osborne, Richard, do.
Purkin, William, Brockville.
Parmenter, James W., Gananoque.
Peden, Robert, Brockville.
Preston, Richard, South Crosby.
Reid, John, Brockville.
Rorison, Robert D.
Soper, Septimus, Kitley.
Spencer, John, Elizabethtown.
Sweet, Allan, Leeds.
Thompson, James, Escott.
Vanston, Thomas, do.
Webster, William, Landsdown.
Wells, Isaac, Brock, Augusta.
Whitmarsh, Eleazar H., Wolford.
Wright, Joseph, Augusta.
Yonge, John, Yonge.
Young, William, Bastard.
Howard, Edward, Elizabethtown.
Hough, John W., do.
Watrous, Liberty, do.
Earl, Reuben, do.

Bell, Thomas.
Landon, William.
Stonell, Oliver.
Marclal, Ira.
Breakenridge.
Chambers, Jar.
King, Smith.
Dowling, Will.
Aigue, Haru.
Wing, Phillip.
Giles, William.
Gardiner, Cha.
Parish, Arza.
Purvis, John.
Kennedy, Will.
McNish, George.
McDonald, David.
Moore, Thomas.
Williams, Hor.
Marshall, Abi.
Lendey, Gled.
O'Connor, Pat.
Smith, William.
Seovil, George.
Tracy, Thomas.
McCarthy, El.
Hiscock, Phil.
Chamberlain, Roe, Oliver.
Seovil, Samuel.
Yonge, Miles.
Elliot, Alex.
Britton, D.F.
Richmond, Th.
Darling, Th.
Webster, Rob.
McKelvey, G.
Landon, Sim.
Nuttie, John.
Landon, Will.
Howard, Al.
Cameron, Al.
Sliter, Wash.
Struthers, Ca.
Washburn, S.
O'Connor, Da.
Honngai, J.
Riddle, John.
Moorhouse, J.
Ward, Abel H.
Kennedy, Jas.
Wing, Gusho.
Ripley, Thos.
Fredinburg, J.
Ewing, Peter.
Targart, Al.
Patton, John.
Howard, Jan.
Pennock, W.
Read, Moses.
Alder, Robert.
Patrick, Will.
Freel, Thoma.
Peck, Chann.
McMahon, W.
Dickenson, V.
McLean, Hor.
McIntosh, M.
Moran, Peter.
Stevenson, J.
Freedland, I.
Wood, Will.
Sponcer, Dav.
Adams, Alex.
Hunter, Al.
Snail, William.
Aktin, Will.
Inrle, Will.
Wharton, Na.
Bower, Josep.
Lishop, Ira.
Gibson, Jose.
Ball, Robert.
O'Neill, Peter.
Holmes, H.
Deegan, Dan.
Tait, Alfred.
Collins, Den.

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Bell, Thomas, Elizabethtown.
 Landon, William, do.
 Stonell, Oliver O., do.
 Marchal, Ira, do.
 Breakenridge, James, do.
 Chambers, James A., do.
 King, Smith, do.
 Dowling, William, do.
 Alguire, Harmoulous, Yonge.
 Wing, Phillip, do.
 Giles, William H., do.
 Gardiner, Charles, do.
 Parish, Arza, do.
 Purvis, John, do.
 Kennedy, William, do.
 McNish, George, do.
 McDonald, Daniel, Esott.
 Moore, Thomas, Kitley.
 Williams, Horatio, do.
 Marshall, Abial, do.
 Leabe, Gldoon, do.
 O'Connor, Patrick, do.
 Smith, William, do.
 Seovil, George C., do.
 Tracy, Thomas, do.
 McCarthy, Florence, do.
 Hicock, Philo, do.
 Chamberlain, Asher A., do.
 Roe, Oliver, do.
 Seovil, Samuel S., do.
 Yonge, Miles, Bastard.
 Elliott, Alexander, do.
 Britton, D. F. Leeds & Landsdown, front
 Richmond, Thomas, do.
 Darling, Thomas, do.
 Webster, Robert, do.
 McKelvey, George, do.
 Landon, Simeco, do.
 Nuttle, John, do.
 Landon, William, do.
 Howard, Alpheus R., do rear.
 Cameron, Alexander, do.
 Shier, Washington L., do.
 Struthers, Calvin, do.
 Washburn, Seneca, do.
 O'Connor, Daniel, do.
 Honnigan, James, Elmsley.
 Riddle, John, do.
 Moorhouse, John, do.
 Ward, Abel R., do.
 Kennedy, James, South Crosby.
 Wing, Gushorn, do.
 Ripley, Thomas, do.
 Fredinburg, William H., do.
 Ewing, Peter, do.
 Taggart, Alba, do.
 Patton, John, Augusta.
 Howard, James, do.
 Pennoek, William, do.
 Read, Moses, do.
 Alder, Robert, do.
 Patrick, William, do.
 Freol, Thomas, do.
 Peek, Chauncey H., do.
 McMahon, William, do.
 Dickenson, Walter D., do.
 McLean, Horace, do.
 McIntosh, Matthew, do.
 Moran, Peter, do.
 Stevenson, Isaiah, do.
 Freeland, Henry, do.
 Wood, William S., do.
 Spencer, David, Edwardsburg.
 Adams, Abel H., do.
 Hunter, Allen, do.
 Snall, William, do.
 Akin, William S., do.
 Umlie, William B., do.
 Wharton, Nathan, do.
 Bower, Joseph, Oxford.
 Bishop, Ira, do.
 Gibson, Joseph C., do.
 Bell, Robert, do.
 O'Neill, Peter, do.
 Holmes, Hiram, do.
 Deegan, Daniel, do.
 Tait, Alfred, do.
 Collins, Dennis, do.

Kelly, Michael, Wolford.
 Fortune, William, do.
 Holden, Charles, do.
 Davis, John C., do.
 McCrea, Colonel, do.
 Brown, Renben, do.
 Brundige, Abraham, do.
 Buchannan, William, South Gower.
 Byce, John, do.
 Adams, William, do.
 McCargar, Alexander, do.
 Schalk, David, do.
 Denant, Walter H., Bastard.
 Seuman, Stephen, do.
 Soper, S. L., Leeds & Landsdown, rear.
 Whalen, Walter, North Crosby.
 Devitt, Thomas, do.
 Wiekwire, Philip, Woford.
 Bates, Ninlan, Yonge.
 Murray, Patrick, Elizabethtown.
 Manhard (2nd.) H., do. Lot 9, 6th con.
 McEathron, Stephen, North Crosby.
 Belten, James, do.
 Yates, Philip, Bastard.
 Fairbairn, David, Brockville.
 Row, David, Augusta.
 Pardee, Aaron B., do.
 Russ, Joseph, do.
 Wright, Isalah, do.
 Lane, Charles, do.
 Bellamy, John B., do.
 Maley, Thomas, Oxford.
 Leeming, Joseph, do.
 Hurd, Tyrus, do.
 Beach, Malhon, do.
 Hutchins, Horace, do.
 Wells, John, Edwardsburg.
 Adams, Levi, do.
 Adams, John, do.
 White, Bartholomew, Prescott.
 Cowan, Joseph, do.

15.—Lincoln and Welland.

Acres—425,250.
 Population—44,000.
 Assessed Value in 1855—3,667,780.
 Liabilities—£1,200.
 Amount of Debet. Issued—£12,000.

County Officials.

Warden—John Simpson, Niagara.
 Treasurer—Daniel McDougal, Niagara.
 Registrar—John Powell, Niagara.
 Clerk—Joseph A. Woodruff, Niagara.
 Solicitor—John M. Lawder, Niagara.
 Judge Co. Court and Chairman Quarter Sessions—Edward C. Campbell, Niagara.
 Sheriff—William Kingsmill, Niagara.
 Clerk of Peace—Joseph Woodruff, Niagara.
 Clerk of County Court—J. Clench, Niagara.
 Deputy Clerk of Crown—W. D. Miller, Niagara.
 Judge Surrogate—W. Claus, Niagara.
 Registrar Surrogate—Charles B. Hurd, Queenston.

Clerks of Division Courts.

Division I.—W. B. Winterbottom, Niagara.
 Division II.—T. Burns, St. Catharines.
 Division III.—A. Morse, Smithville.
 Division IV.—Jacob Keefer, Thorold.
 Division V.—E. Burton, Chippawa.
 Division VI.—J. Stanton, Fort Erie.

County Town—NIAGARA.

Mayor—John Simpson.
 Clerk—Isaac H. Johnson.
 Population—3,250.
 Assessed Annual Value in 1855—£14,425.
 Taxes per £ Annual Value—2s. 4d.

Municipalities.

Townships in Lincoln—Calstor, Clinton, Gainsborough, Grantham, Grimsby, Louth; and Towns of Niagara and St. Catharines.
 Townships in Welland—Bertie, Crowland, Humberstone, Pelham, Stamford, Thorold, Wainfleet, Willoughby; and Villages of Chippewa and Thorold.

Magistrates.

Campbell, Edward C., Niagara.
 Keefer, George, Thorold.
 Cummings, James, Chippawa.
 Merritt, William H., St. Catharines.
 McDougall, Daniel, Niagara.
 Clark, John, Port Dalhousie.
 Ball, John C., Niagara Township.
 Keefer, Jacob, Thorold.
 Rykert, George, St. Catharines.
 Mittleberger, Henry, do.
 Adams, William, Louth.
 Clark, James, W. O., do.
 McGlashan, John, Jr., Pelham.
 Adams, Elias S., St. Catharines.
 McFarland, Duncan, Thorold.
 Pawling, Nathan, Grantham.
 Gibson, John, do.
 Ball, William M., Niagara.
 Robinson, William B., St. Catharines.
 Patterson, John J., Clinton.
 McMicking, John, Stamford.
 Tisdale, James, Calstor.
 Graybiel, John, Wainfleet.
 Helles, John, Crowland.
 Radcliffe, John, Drummondville.
 McLean, John, Clinton.
 Nelles, Warner H., Jr., Grantham.
 Clement, Peter Ball, Niagara.
 Servos, William Street, do.
 Kirkpatrick, John, Stamford.
 Woolverton, Dennis, Grimsby.
 Kilburn, Rowley, Clinton.
 Nelles, Peter Ball, Grimsby.
 Street, Thomas C., Niagara Falls.
 Osborne, John B., Beamsville.
 Woodruff, William, St. Davids.
 Misener, Jacob, Wainfleet.
 McFarland, John. Sen., Niagara.
 Kerr, John, Grantham.
 Beamer, Daniel, Louth.
 Henry, Robert, Clinton.
 Bridgman, John Pettit, Grimsby.
 Kerr, Jacob, Calstor.
 Misener Leonard, Jun., Wainfleet.
 Scholfield, John, Pelham.
 Hobson, Robert, Thorold.
 Rowe, George, Stamford.
 Dickson, Walter H., Niagara.
 Smith, Henry, Grimsby.
 Kennedy, Jacob, Gainsborough.
 Haun, Isaac, Bertie.
 O'Reilly, John Brown, Wainfleet.
 Brookfield, Jacob, Cowland.
 Wilson, Lewis, Pelham.
 Turney, John, Thorold.
 Lemon, John, Stamford.
 Morse, Abishah, Grimsby.
 Secord, George, Gainsborough.
 Brown, David P., Crowland.
 Thompson, Archibald, Stamford.
 McMicking, William, Stamford.
 Garner, Jacob, do.
 Ball, John W., Niagara.
 Boomer, Anthony Knox, Grantham.
 Howey, Hiram, Stamford.
 Lowell, William, Stamford.
 Parke, Thomas, Port Colborne.
 Ball, John W., Niagara.
 Benson, James R., St. Catharines.
 Ball, George Peter Mann, Louth.
 Douglas, Alexander, Fort Erie.
 Stanton, James, do.
 Macklem, James, Chippawa.
 Dittick, Walter, Grantham.
 Holsteder, Abraham, do.
 Beamer, Philip, Louth.

Adams, Elias Smith, St. Catharines.
 Mittleberger, John F., do.
 Chisholm, William Austin, do.
 Marren, Patrick, do.
 Clarke, Richard A., do.
 Phelps, Calvin, do.
 Dickson, Walter H., Niagara.
 Campbell, Edward C., do.
 Davidson, Alexander, do.
 Heron, Andrew, do.
 Simpson, John, do.
 Harvey, James, do.
 Blain, James, do.

16.—Middlesex.

Acres—650,698.
 Population—39,809.
 Assessed Value in 1855—£1,664,202.
 Liabilities—£122,400.
 Amount of Debet. Issued—£100,000.

County Officials.

Warden—Holcroft Clench, Delaware.
 Treasurer—W. W. Street, London.
 Registrar—H. Burwell, London.
 Clerk—Wilson Mills, London.
 Solicitor—John Wilson, London.
 Surveyor—Wm. Mackintosh, London.
 Judge Co. Court and Chairman Quarter Sessions—Hon. James E. Small, London.
 Sheriff—James Hamilton, London.
 Clerk of Peace—J. B. Askin, London.
 Clerk of County Court and Deputy Clerk of Crown—John B. Askin.
 Judge Surrogate—W. Allen, Niagara.
 Registrar Surrogate—John Fitz John Harris, London.

Clerks of Division Courts.

Division I.—J. C. Meredith, London.
 Division II.—John Irvine, Lobo.
 Division III.—James Reilly, Junction, Westminster.
 Division IV.—W. F. Bullen, Delaware.
 Division V.—A. Hatch, Wardsville.
 Division VI.—J. Keefer, Strathroy.

County Town—LONDON.

Mayor—Murray Anderson, London.
 Clerk—John Doyle, London.
 Population—About 12,000.
 Assessed value in 1855—£35,000.
 Taxes per £ Annual Value, 2s. 4½d.

Municipalities.

Townships—Adelaide, Carradoc, Delaware, Dorchester, Ekfrid, Lobo, London, Metcalf, Missouri West, Mosa, Westminster, Williams; and City of London.

Magistrates.

Small, Hon. James E., London.
 Bostwick, John, Port Stanley.
 McKenzie, Duncan, London.
 Clench, Joseph B., Carradoc.
 Beer, Christopher, Adelaide.
 Springer, Benjamin, Delaware.
 Lawrason, Lawrence, London.
 Shore, John, Westminster.
 Buchanan, John S., Adelaide.
 Ball, Thomas H., London.
 Hall, Cyrenius, Westminster.
 Webb, Richard, Delaware.
 McDougall, John, Lobo.
 McArthur, James, Williams.
 Pegley, Robert, Adelaide.
 Strathy, Alexander, Westminster.
 Anderson, Alexander, London.
 Odell, Josiah L., Westminster.
 Johnston, John, Delaware.
 Morrill, Simon, London.
 Telfer, Adam, do.
 Brennan, R. W., Adelaide or Metcalf.
 Matthews, Edward, London.
 Strathy, James B., do.
 Montserrat, Charles, do.

Kent, John, London Township.
 Johnstone, William McK. Adelaide or Metcalf.
 Showick, Henry, Westminster.
 Winlow, J. B., Adelaide or Metcalf.
 Carmichael, Hugh, Lobo.
 Murray, James, Adelaide.
 Cook, Timothy, do.
 Skoan, John A., do.
 McKirdy, James, Carradoc.
 McKellar, Duncan, do.
 Campbell, Arch., do.
 Niles, William, Dorchester.
 Putnam, Thomas, do.
 Putnam, Joshua, do.
 Miller, Archibald, Ekfrid.
 Campbell, John, do.
 McIntyre, James, do.
 Lockwood, Daniel, do.
 Adamson, Robert, Lobo.
 Jacobs, Nathan, London.
 Smith, Patrick, do.
 Thompson, Robert, Mosa.
 Grant, Benjamin, do.
 Gardiner, James, do.
 Simes, William, do.
 Campbell, Isaac, Westminster.
 Beatty, Thomas, do.
 Burch, Calvin, do.
 McIntosh, Donald, Williams.
 Klimas, David, do.
 Haight, James, London.
 Rldout, Lionel, do.
 Fraser, John, do.
 Michie, John, do.

17.—Norfolk.

Acres—384,000.
 Population—About 25,000.
 Assessed value in 1855—£1,211,000.
 Liabilities—£1,525.
 Amount of Debentures issued, £1,525.

County Officials.

Warden—L. H. Hunt, Simcoe.
 Treasurer—Henry Groff, Simcoe.
 Registrar—F. L. Walsh, Simcoe.
 Clerk—Stephen J. Fuller, Simcoe.
 Surveyor—Thomas W. Walsh, Simcoe.
 Judge Co. Court and Chairman Quarter Sessions—Wm. Salmon, Simcoe.
 Sheriff—H. V. A. Rapelje, Simcoe.
 Clerk of Peace—W. M. Wilson, Simcoe.
 Clerk of County Court—William M. Wilson, Simcoe.
 Deputy Clerk of Crown—Abram B. Rapelje, Simcoe.
 Judge Surrogate—W. Salmon, Simcoe.
 Registrar Surrogate—W. M. Wilson.

Clerks of Division Courts.

Division I.—A. B. Rapelje, Simcoe.
 Division II.—Oliver Blake, Waterford.
 Division III.—D. Dodge, Windham Centre.
 Division IV.—Thos. Jenkins, Rolph.
 Division V.—William Hewitt, Vittoria.
 Division VI.—Andrew M. Lennan, Port Rowan.
 Division VII.—Thomas Chamberlin, Houghton Centre.

County Town—SIMCOE.

Chief Magistrate—J. G. Wilson, Town Reeve.
 Clerk—D. Tisdale.
 Population—About 3,000.
 Assessed Value in 1855—£102,000.
 Taxes per £ Annual Value—2s. 6d.

Municipalities.

Townships—Charlotteville, Houghton, Middletown, Townsend, Walsingham, Windham, Woodhouse, and Town of Simcoe.

Magistrates.

Salmon, William, Simcoe.
 Backhouse, William, Walsingham.
 Ryerse, Edward P., Woodhouse.
 Hutchinson, John B., Walsingham.
 Covernton, James, Charlotteville.
 Tisdale, Joseph, do.
 Williams, Titus, Walsingham.
 Anderson, Walter, Charlotteville.
 Brown, James, Middleton.
 Crouse, John B., Simcoe.
 Potts, Jacob, Charlotteville.
 Marr, David, Jun., Woodhouse.
 Mulkins, Thomas J., do.
 Walker, James, do.
 Killmaster, George A., Walsingham.
 Reach, John, Middleton.
 Hunt, Lawrence H., Windham.
 O'Car, Peter, Townsend.
 White, Moses W., Houghton.
 Killmaster, Henry J., Walsingham.
 Wood, Jacob, Charlotteville.
 Van Norman, Romlin F., do.
 Waters, Henry, Woodhouse.
 Freeman, Daniel, W., Windham.
 Wallace, John, do.
 Green, James L., Townsend.
 Walker, William, do.
 Duncombe, David, do.
 Ritchie, James W., Woodhouse.
 Austin, Philip, do.
 Waddell, Robert, do.
 Parney, John, Townsend.
 Williams, John G., do.
 Robins, John, Windham.
 Matthews, Daniel, do.
 Lowry, Matthew, do.
 McCall, Simpson, Charlotteville.
 Covernton, Charles W., do.
 Maybee, Oliver, Jun., do.
 Killmaster, John, Walsingham.
 Burger, Isaac, Houghton.
 Cryzier, Roger, Middleton.
 Decow, John, Woodhouse.
 Thompson, Andrew, do.
 Smith, Richard, do.
 Lawson, Peter, do.
 Lemon, Jacob, do.
 Smith Cornelius, W. do.
 Owner, Abner, do.
 Clark, Thomas, W., Townsend.
 Taylor, Gilbert, do.
 Barbon, Henry J., do.
 Owen, Joel W., do.
 Johnson, Joseph, do.
 Blake, Oliver, do.
 Kellum, Jason, do.
 Shaw, Benjamin C., do.
 Michael, Richard M., do.
 Hecker, Barton, do.
 Vastbinder, John N., Windham.
 Vastbinder, Philip, do.
 McIntosh, John R., do.
 House, Richard M., do.
 Lange, Jacob, do.
 Kelly, Samuel, do.
 Binkley, Elijah, do.
 McCall, William, Charlotteville.
 Dresser, Frederick, do.
 Slight, Job, do.
 Shearer, Gabriel, do.
 Ferguson, John W., do.
 McDonald, Andrew, do.
 Anderson, John, do.
 Robinson, Thomas, Middleton.
 Wood, Henry, do.
 Boughner, Edward, do.
 Cook, Lake, do.
 Anderson, William, Walsingham.
 Stone, Joseph, do.
 Foster, Edward, do.
 Spencer, Lot, do.
 Glasby, William, do.
 Backhouse, J. A., do.
 Hunter, John, do.
 Conghell, Peter, Houghton.
 Bridgman, Jonathan, do.

Elsworth, John
 Lyons, James
 Parke, James
 Austin, John
 Armstrong, O.
 Decow, Samu
 Van Norman

18.—North

Acres assessed
 Persons asses
 Assessed Val
 Liabilities—

Warden—Jan
 Hope.
 Treasurer—A
 Registrar for
 G. S. Boul
 Registrar f
 Ward—Pos
 Clerk—Morg
 Solicitors—M
 Cobourg.
 Engineer—T
 Judge Co. C
 ter Session
 Sheriff—Hen
 Clerk of Peac
 Clerk of Co
 Clerk of C
 Cobourg.
 Judge Surro
 Registrar Su
 Port Hope

Clerks

Division I—
 ville.
 Division II—
 Division III—
 Division IV—
 Division V—
 Division VI—
 Division VII—
 Division VIII—
 Division IX—

Coun

Chief Magis
 Cobourg.
 Clerk—Davi
 Assessed A
 £27,370.
 Taxes per £

Townships
 wick, B
 mand, Ha
 Murray, J
 of Cobour
 Townships
 Cavan, C
 Manvers
 Village of

Boswell, G
 Macdonald
 Hawley, S
 Keeler, Jos
 Maguire, P
 Rogers, Ja
 Thompson.
 Perry, Ebe
 Boucher, F
 Knowlson,
 Wilmoth, A
 Munro, H
 Burnham,
 Meyers, El
 Goslee, Ja
 McKyes, V
 Murphy, J

Division IV.—J. L. Gould, Uxbridge.
Division V.—J. Moteuil, Cannington.
Division VI.—C. Robinson, Beaverton.

County Town—Wairarapa.

Chief Magistrate—James Rowe, Mayor.
Clerk—Benjamin Yarnold.
Population—About 3,000.
Assessed Value in 1855—£9,423.

Municipalities.

Townships—Brock, Mara, Pickering.
Rana, Reach, Scott, Scungog, Thorah.
Uxbridge, Whitty; Town of Whitty
and Village of Oshawa.

Magistrates.

Burnham, Zachus, Whitty.
Warren, John B., do.
Mossington, Thomas, Georgina.
Bagshaw, William Brock.
Cowan, Matthew, do.
McDonough, Michael, Thorah or Mara.
Bagshaw, Abraham, Uxbridge.
Allison, William, Whitty.
Campbell, Alexander, Pickering.
McMillan, Archibald, Thorah.
Thompson, John H., Brock.
Hurd, Abner, Reach.
Campbell, John, Whitty.
Robertson, Charles, Thorah.
Johnson, Robert, Georgina.
Dunbar, William, Pickering.
Dryden, James, Whitty.
Truax, John, Reach.
Rickey, James, Brock.
Whitney, Paul, Pickering.
Campbell, Robert, Whitty.
Bostwick, George, Pickering.
Mackey, Levi, do.
Mason, Andrew, Whitty.
Birell, Ebenezer, Pickering.
Moore, William F., Whitty.
Spears, Robert, do.
Green, Frederick, Pickering.
Dow, William, Whitty.
Hunter, James, do.
Gibbs, William H., Columbus.
Foot, Jonathan, Reach.
Fullerton, Adam, Pickering.
Port, George W., do.
Major, Henry, do.
White, Trucman P., do.
Clerke, John, do.
Michell, W. H., do.
Taylor, Peter, do.
Vail, Ira, do.
Churchill, Levis, do.
Carpenter, Ira B., do.
Nicol, John, Whitty.
Burns, James, do.
Campbell, Aaron, do.
Campbell, Calvin, do.
Farwell, Abraham, do.
Annes, Ezra, do.
Perry, John H., do.
Lynde, Carleton, do.
Wilcox, John S. M., do.
Gunn, Robert John, do.
Hepburne, John, do.
Harnden, L., Jun., do.
Ratcliff, John, do.
Brabazon, George, Brock.
Gibbs, Charles, do.
Cowan, Matt., Jun., do.
Way, Reuben, do.
Gillespie, Malcolm, do.
Boucher, James O'Brien, Georgina.
Johnson, James, do.
Bathgate, James, do.
Faxon, Thomas, Reach.
Fowson, William, do.
Wells, Robert, do.
Burnham, Jacob, do.
Lund, Richard, do.
Currie, George, do.
Vernon, James K., do.

Card, Levi, Reach.
McPherson, James, Mara.
Garnett, James S., Mara.
Smith, George, Thorah.
Proctor, George, do.
Cameron, Kenneth, do.
Mcaskill, William, do.
Cameron, Donald, do.
Gould, Joseph, Uxbridge.
Spear, Robert, do.
Wideman, John, do.
Randall, William, do.

20.—Oxford.

Acres—397,302.
Population in 1852—32,638.
Assessed Value in 1855—£2,170,950.
Liabilities—£30,000.
Amount of Debet. Issued—£25,000.

County Officials.

Warden—D. Matheson, M.P.P., Embro.
Treasurer—James Kintrea, Woodstock.
Registrar—J. Ingersoll, Woodstock.
Clerk—W. H. Landon—Woodstock.
Judge Co. Court and Chairman, Quarter Sessions—D. S. McQueen, Woodstock.
Sheriff—James Carrall, Woodstock.
Clerk of Peace—William Lapenotier, Woodstock.
Clerk of County Court and Deputy Clerk of Crown—James Kintrea, Woodstock.
Judge Surrogate—William Lapenotier, Woodstock.
Registrar Surrogate—J. G. Vansittart.

Clerks of Division Courts.

Division I.—G. Whitehead, Woodstock.
Division II.—J. Cowan, Princeton.
Division III.—D. Matheson, Embro.
Division IV.—James Barr, Norwich.
Division V.—David Canfield, Ingersoll.
Division VI.—Charles Hawkins, Tilsonburg.

County Town—Woodstock.

Chief Magistrate—Wm. Grey, Reeve.
Clerk—John Greig.
Population—2,540.
Assessed Value in 1855—£18,303.
Taxes per £ Annual Value, 1854—3s.

Municipalities.

Townships—Blanford, Blenheim, Denham, Missouli East, Norwich, Oxford East, Oxford North, Oxford West, Zorra East, Zorra West; Town of Woodstock and Village of Ingersoll.

Magistrates.

McQueen, David S.
Hatch John, East Oxford.
Gordon, William, West Zorra.
Riddell, Robert, Zorra.
Carroll, John, West Zorra.
Jackson, John, Blenheim.
Deedes, Edmund, West Oxford.
Vansittart, John G., do.
Scatchard, John, Nissouri.
Johnsoun, Moses, Wilmot.
Vannorman, Benjamin, Dereham.
Marlin, Calvin, West Oxford.
Burtch, Archibald, East Oxford.
Vining, Jared, Nissouri.
Harrington, John, Zorra.
Pickle, Nicholas, Blenheim.
Bodnell, James, Jun., Dereham.
Stower, Gilbert, Norwich.
Chambers, George, West Oxford.
Caufield, David, do.
Cameron, Robert, Nissouri.
Swazey, Benjamin, do.
Ingersoll, James, Woodstock.
Mills, Walter M., N. Oxford.
Crotty, Henry, do.
Stroud, Robert, Dereham.

Hawkins, Charles, Dereham.
Wallace, Thomas, Norwich.
Curroll, William, do.
Root, Henry, do.
Carder, George W., do.
Wiekham, James, do.
Mott, Moses, do.
Shenstone, Thomas S., Woodstock.
Horning, Joseph, Norwich.
Kilborn, Jared, Blenheim.
Dickson, William, do.
Corner, Jeremiah, do.
Barwick, Hugh C., Woodstock.
Gobbo, William, Blenheim.
Malcolm, Francis, Zorra East.
McDonald, Robert, do. 11th Con.
Munro, Angus, Zorra West.
Matheson, Donald, do.
Sutherland, Wm., do.
Lewis, Seneca, 1 Con. Zorra West.
McKay, John, Lot 14, 6th Con. Zorra W.
Horseman, Denis, Nissouri.
Allen, Nathan P., do.
Bayne, John, 1 Con. Zorra W.
Thornton, Benjamin, Oxford West.
Phelan, Daniel, do.
Maybee, Walter B., do.
Hook, William, Sen., do.
Bodnell, Andrew, Dereham.
Smith, William, do.
Chadwick, Charles E., do.
Tripp, Jonathan, Oxford East.
Burgess, William, do.
Hall, Valentine, do.
Laycock, James, Blandford.
Ballentine, Robt.
Hill, James, do.
Brown, James, do.
Porteous, Robert, do.
Morgan, Andrew, do.
McCann, Peter, do.
Donkin, Robert, do.
Cameron, Donald, do.
Clandinning, J. Long, Edward, do.
Moseup, William, do.
Barron, William, do.
Fitzgerald, John, do.

21.—Perth.

Acres—446,723.
Population in 1852—15,545.
Assessed Value in 1855—£830,347.
Liabilities—£80,150.
Amount of Debet. Issued—£3,015.

County Officials.

Warden—Thos. B. Guest, St. Mary's.
Treasurer—Alex. McGregor, Stratford.
Registrar—William Smith, Stratford.
Clerk—Stewart Campbell, Stratford.
Solicitor—E. F. Ryerson, Stratford.
Surveyor—Charles James, Stratford.
Judge Co. Court and Chairman, Quarter Sessions—R. Burrett, Stratford.
Sheriff—Robert Mowdwell, Stratford.
Clerk of Peace—J. Linton, St. atford.
Clerk of County Court and Deputy Clerk of Crown—Alex. McGregor, Stratford.
Judge Surrogate—R. Burrett, Stratford.
Registrar Surrogate—Alex. McGregor, Stratford.
Crown Lands Agent—John Sharman, Stratford.

Clerks of Division Courts.

Division I.—Raby Williams, Stratford.
Division II.—T. Matthieson, Mitchell.
Division III.—Dr. Coleman, St. Mary's.
Division IV.—W. Cossey, Shakespere.
Division V.—Samuel Whaley, Milbank.

County Town—Stratford.

Chief Magistrate—W. F. McCulloch.
Clerk—Samuel L. Robarls.
Population—Nearly 2,000.
Assessed value in 1855—£87,720.
Taxes per £ Annual Value—2s. 11d.

Municipalities.

Townships—Blanchard, Downie, Easthope North, Easthope South, Ellica, Elma, Fullerton, Gore, Hlibbert, Logan, Mornington Wallace; and Town of Stratford.

Mag.
Barritt, Read, S.
Daly, John C. S.
Helmner, Andrew
Kastner, Peter, J.
McCulloch, Will
McPherson, Dan
sparing, John, J.
Sehring, John, J.
Wood, George, J.
Stewart, John, J.
Brown, Thomas, Grant, Alexander
Rankin, James, Hamilton, Alex
Crosar, Peter, McIntyre, John
Seegmiller, Ada
Sharman, John
Daly, Thomas M.
Mickle, Alexan
Thompson, John
Christie, Thoma
Mitchell, Alexu
Zoukann, John
Fisher, Alexander
Curtis, John
Fryogle, Sebast
Cossey, William
Woods, Peter
Nelson, Matthe
Orr, Alexander
Monteith, Andr
Weber, Jacob
Gourlay, Alexu
Henry, Robert
Ballentine, Rob
Hill, James
Brown, James
Porteous, Robe
Morgan, Andre
McCann, Peter
Donkin, Robert
Cameron, Donal
Clandinning, J.
Long, Edward
Moseup, Willia
Barron, William
Fitzgerald, Joh

22.—Peterb.

Acres—1,121,500.
Population in 1852—15,545.
Assessed Value in 1855—£830,347.
Liabilities—£80,150.
Amount of Debet. Issued—£3,015.

County Officials.

Warden—Will
Treasurer—W
Registrar—Ch
Clerk—Walter
Surveyor—John
Judge Co. Cou
ter Sessions—
Sheriff—Will
Crown and
Clerk of Court
Judge Surrog
Registrar Sur
Crown Land A

Clerks of Division Courts.

Division I.—J
Division II.—
Division III.—
Division IV.—
Division V.—
Division VI.—
Division VII.—

County Town

Chief Magistr
Clerk—Ivan G
Population—
Assessed Val
Taxes per £ a

Magistrates.

Barritt, Read, Stratford.
 Daly, John C. W., North Easthope.
 Helmer, Andrew, South do.
 Kastner, Peter, Ellice.
 McCulloch, William F., Stratford.
 McPherson, Daniel, Ellice.
 Sparling, John, Blanchard.
 Sebring, John, Ellice.
 Wood, George, Downie.
 Stewart, John, North Easthope.
 Brown, Thomas, Downie.
 Grant, Alexander, North Easthope.
 Rankin, James, do.
 Hamilton, Alexander, do.
 Crenar, Peter, do.
 McIntyre, John, Fullarton.
 Seegmiller, Adam, Stratford.
 Shurman, John, do.
 Daly, Thomas M., do.
 Nickle, Alexander F., do.
 Thompson, John, Downie.
 Christie, Thomas, St. Mary's.
 Mitchell, Alexander, Stratford.
 Zunkinn, John, North Easthope.
 Fisher, Alexander, do.
 Curtis, John, do.
 Fryogle, Sebastian, South Easthope.
 Cossey, William, do.
 Woods, Peter, Downie.
 Nelson, Matthew, do.
 Orr, Alexander B., Stratford.
 Monteith, Andrew, Downie.
 Weber, Jacob, Ellice.
 Gourlay, Alexander, do.
 Henry, Robert, do.
 Ballentine, Robert, do.
 Hill, James, Fullarton.
 Brown, James, do.
 Porteous, Robert, do.
 Morgan, Andrew, Hlibbert.
 McCann, Peter, do.
 Bonkin, Robert, do.
 Cameron, Donald, Blanchard.
 Glendinning, James K., do.
 Long, Edward, do.
 Moscrop, William, do.
 Barron, William, do.
 Fitzgerald, John, Stratford.

22.—Peterboro and Victoria.

Aeres—1,121,500.
 Population in 1852—26,894.
 Assessed Value in 1855—£1,304,489.
 Liabilities—£1,600.
 Amount of Debet. issued, £1,600.

County Officials.

Warden—William Cottingham.
 Treasurer—Walter Sheridan.
 Registrar—Charles Rubridge.
 Clerk—Walter Sheridan.
 Surveyor—John Reid.
 Judge Co. Court and Chairman Quarter Sessions—George B. Hall.
 Sheriff—Wilson S. Conger, Esq.
 Clerk of Peace and Deputy Clerk of the Crown and Pleas—W. H. Wrighton.
 Clerk of County Court—Thos. Fortye.
 Judge Surrogate—George B. Hall.
 Registrar Surrogate—Thomas Fortye.
 Crown Land Agent—Walter Crawford.

Clerks of Division Courts.

Division I.—J. Hall, Sen., Peterboro.
 Division II.—James Foley, Norwood.
 Division III.—George Reid Otonabee.
 Division IV.—T. Matchett, Metcalfe.
 Division V.—W. J. Logle, Lindsay.
 Division VI.—John Lytle, Oskwood.
 Division VII.—I. Ferguson, Woodville.

County Town—PETERBOROUGH.

Chief Magistrate—James Hall, Mayor.
 Clerk—Ivan O'Beirne.
 Population—About 3,500.
 Assessed Value in 1855—£13,544.
 Taxes per £ annual value—2s.

Municipalities.

Townships in Peterboro'—Asphodel, Melmont, Burleigh, Douro, Dummer, Ennismore, Harvey, Methuen, Monaghan North, Otonabee, Smith; and Town of Peterborough.
 Townships in Victoria—Bixley, Eldon, Emily, Fenelon, Mariposa, Ops, Somerville, and Verulam.

Magistrates.

Hall, George B., Peterborough.
 Rubridge, Charles, Otonabee.
 Conlin, Francis, do.
 Hirdsall, Richard, Asphodel.
 Wallis, James, Fenelon.
 Fraser, Andrew, S., Verulam.
 Langton, John, Fenelon Falls.
 Scott, Walter, Asphodel.
 Choat, Thomas, Dummer.
 Stark, Adam, Otonabee.
 Campbell, Alexander, Eldon.
 Davidson, Samuel, Mariposa.
 Best, William, Emily.
 Sullivan, Patrick, Ennismore.
 Hall, James, Peterborough.
 Ridley, Robert, do.
 Ferguson, Frederick, do.
 Perry, Charles, do.
 Harvey, James, do.
 Harvey John, Smith.
 Fitzgerald, Thomas, do.
 Walton, John, do.
 Bell, Thomas, do.
 Tully Andrew, do.
 Cottingham, William, Emily.
 Knowlson, Christopher, do.
 McDonnell, William, Ops.
 Keenan, Thomas, do.
 McDonald, Hector, Mariposa.
 McPherson, James, Eldon.
 Ferguson, Israel, do.
 Costello, Daniel, Ennismore.
 Bates, Roger, Otonabee.
 Bawbell, Henry, do.
 Stewart, William, Sen., do.
 Strickland, Samuel, Douro.
 Clarke, George, do.
 Lukke, Sampson, Dummer.
 Manly, William, do.
 Dunsford, James W., Verulam.
 Wickham, Henry T., do.
 Chambers, Thomas, Peterborough.
 Ryan, Patrick, do.
 Wigmore, William, Dummer.
 Humphries Robert C., Asphodel.
 Cannon, Patrick, do.
 Foulds, Henry, do.
 Fife, James, do.
 Best, Hamilton, Emily.
 Lebane, Michael, do.
 McFayden, Archibald, Eldon.
 Grant, Hector, do.
 Jackson, Archibald, do.
 Campbell, John G., do.
 McDonald, John, do.
 Walton, Joseph, Monaghan.
 Tully, John, Jr., do.
 Gilmour, John W., do.
 McNelly, John, Ops.
 Low, Charles, do.
 Ray, Thomas W., do.
 Short, Thomas, Otonabee.
 Ellsworth, Aaron, do.
 Doris, James, do.
 Learmont, William, do.
 McFarlane, Alexander, do.
 Brown, Edward, Douro.
 Carlow, George, do.
 Hogan, James, do.
 Hill, George A., Dummer.
 Carew, Michael, Ennismore.
 Brick, Patrick, do.
 Jacobs, John, Mariposa.
 Rogers, Obadiah, do.
 Whiteside, Robert F., do.
 Clarke, William, do.

Pearson, Joseph B., Mariposa.
 Campbell, John, do.
 Nicholls, Robert, Peterborough.
 Claxton, William, do.
 Millburn, John, Smith & Harvey.
 Garbutt, Isaac, do.
 Rae, William, do.
 Sanderson, Francis, do.
 Hall, John, do.
 Moore, William H., do.

Hudson, Charles, Peterborough.
 Perry, Egerton, do.
 Hughes, Richard, do.
 Eastland, William, do.
 Snyder, William, do.

23.—Prescott and Russell.

Aeres assessed—£414,410.
 Population in 1852—13,510.
 Assessed Value in 1855—398,880.
 Liabilities—None.
 Amount of Debitures Issued—None.

County Officials.

Warden—A. Petrie, Cumberland.
 Treasurer—Neil Stewart, L'Original.
 Registrar for Prescott—G. D. Reed, Prescott, L'Original.
 Registrar for Russell—James Keays, Duncanville.
 Clerk—Peter O'Brien, L'Original.
 Judge Co. Court and Chairman Quarter Sessions—Peter Freal, L'Original.
 Sheriff—C. P. Treadwell, L'Original.
 Clerk of Peace—Donald McDonald (F).
 Clerk of County Court and Deputy Clerk of Crown—J. W. Marston, L'Original.
 Judge Surrogate—W. K. McKenzie, Vankleekhill.
 Registrar Surrogate—J. W. Marston, L'Original.

Clerks of Division Courts.

Division I.—S. M. Cushman, L'Original.
 Division II.—C. Waters, Vankleekhill.
 Division III.—C. S. Oulmette, Hawkesbury Village.
 Division IV.—A. Haagar, Plantagenet.
 Division V.—John S. Cameron, Cumberland.

County Town—L'ORIGINAL.

(Not Incorporated.)

Municipalities.

Townships in Prescott—Alfred, Caledonia, Hawkesbury East, Hawkesbury West, Longueville, Plantagenet North, Plantagenet South.
 Townships in Russell.—Cambridge, Clarence, Cumberland and Russell.

Magistrates.

Freel, Peter, L'Original.
 Johnson, Chauncy, Longueville.
 Kearnes, John, Plantagenet.
 Stewart, Neil, Hawkesbury West.
 Low, Charles A., do.
 Coffin, William, do.
 Stirling, Peter, Caledonia.
 Stirling, Archibald, Hawkesbury W.
 Walt, William, Longueville.
 Hersey, Charles, L'Original.
 Petrie, Archibald, Cumberland.
 Robertson, Farquhar, Hawkesbury E.
 St. Julien, Edward.
 McMaster, John, Caledonia.
 McLaurin, Peter, do. Scotch Mills.
 Higginson, Thomas, Hawkesbury E.
 Jameson, William, do.
 Waddell, John, do.
 Wells, James F., Hawkesbury W.
 Kirby, William, Hawkesbury E.
 Allison, Andrew, do.
 Bradley, William, Caledonia.
 Frith, James, Plantagenet.

Tweed, Charles H., Hawkesbury E.
Marston, John W., L'Orignal.
Brown, Elijah, Hawkesbury W.
Lough, Hugh, Jr., do.
Cameron, Ewen, L'Orignal.
Laudriaux, Antoine, do.
Gibson, James, Hawkesbury W.
Edwards, William, Clarence.
McCaui, James, do.
Cook, James W., Russell.
Mattice, John, do.
Conway, James, do.
Castleman, Martin, Cambridge.
Holmes, John, Alired.
Pattee, John, Longueil.
Hamilton, George, Hawkesbury Mills.
Sterling, James, do. West.
Walker, Henry, Vankleekhill.
Hamilton, John, Hawkesbury Mills.
Cross, George, do. West.
Johnson, Thomas H., Vankleekhill.
McNab, John, Hawkesbury West.
Hersey, Zephaniah, S. M., do.
Bearman, Jonathan, Hawkesbury E.
Burwash, Nelson, do.
Wyman, Hiram B., do.
Everett, Cottou M., do.
Ramsay, John, Longueil.
Johnson, Chauncey, Jun., L'Orignal.
Wilkinson, John L., Caledonia Springs.
Cross, James, do.
Renwick, James, do.
McLeod, Duncan, do. (rear.)
Hughes, Humphrey, Alfred.
Erratt, Henry, N. Plantagenet.
Smith, William, do.
Beggs, John, do.
Georgen, Peter, do.
McGregor, Duncan, S. Plantagenet.
McCaun, Henry W., Hawkesbury W.
Hager Abner, N. Plantagenet.
McDonald, Arch., Hawkesbury E.

24.—Prince Edward.

Acres—240,150.
 Population in 1852—18,887.
 Assessed Value in 1855—£974,053.
 Liabilities—None.
 Amount of Debentures Issued—None.

County Officials.

Warden—Wm. Hubbs—Bloomfield.
Treasurer—R. J. Chapman, Pictou.
Registrar—John P. Roblin, Pictou.
Clerk—R. J. Chapman, Pictou.
Judge Co. Court and Chairman Quarter Sessions—D. L. Fairfield, Pictou.
Sheriff—James McDonald, Pictou.
Clerk of Peace—Philip Low, Pictou.
Clerk of County Court and Deputy Clerk of Crown—C. Mortimer, Pictou.
Judge Surrogate—Simson Washburn, Pictou.
Registrar Surrogate—Samuel Merrill.

Clerks of Division Courts.

Division I.—John P. Downes, Pictou.
Division II.—Thomas Cook, Milford.
Division III.—S. Solmes, Northport.
Division IV.—R. C. H. Cotter, Ameliasburgh.

Division V.—W. Young, Wellington.
Division VI.—Harvey Spafford, Cherry Valley.

Division VII.—J. Cadman, Conseccon.
Division VIII.—E. W. Wright, Bon-gards Corners.

County Town—Pictou.

Chief Magistrate—Charles S. Wilson.
Clerk—John Twigg.
Population—1,900.
Assessed Value in 1855—£5,394.
Taxes per £ Annual Value—1s. 8d.

Municipalities.

Townships—Ameliasburgh, Athol, Hallowell, Hillier, Marysburgh, Sophiasburgh; and Town of Pictou.

Magistrates.

Fairfield, David L., Pictou.
McDonnell, Alexander, Marysburgh.
Dingman, Henry, do.
Hubbs, Benjamin, Pictou.
Solmes, Samuel, Sophiasburgh.
Higgar, Charles, Ameliasburgh.
McPaul, Archibald, Pictou.
Stevenson, David B., do.
Dougall, William, do.
Stinson, David, do.
Lane, James T., Hillier.
Flayler, Thomas, do.
Clapp, Paul, do.
Roblin, John P., Ameliasburgh.
Way, John B., do.
Lane, John, Marysburgh.
Vandusen, Henry, do.
Howell, Jacob, Sophiasburgh.
Ruttan, Peter W., Sophiasburgh.
Drewry, George, do.
Weiler, Benjamin, Ameliasburgh.
Howell, John, Sophiasburgh.
Thirkell, John, Hallowell.
Bougard, Conrad, Marysburgh.
Lazier, Abraham, Hallowell.
Williams, Caleb, do.
Conger, David, do.
Stapleton, John, Hillier.
Murney, John, Hallowell.
Bentley, Wilson, Athol.
Wright, Edward W., Marysburgh.
Allison, John, Sophiasburgh.
Pallin, William A., Athol.
Ballard, Norman, Pictou.
Conger, Roger B., Hallowell.
Davis, Thomas, Sophiasburgh.
Noxon, Isaac, do.
Gilbert, Daniel, do.
Roblin, (2nd) Philip, do.
Boulter, George, do.
Moran, David, do.
Bougard, John, Marysburgh.
Hattan, Jacob, do.
Wellbanks, Thomas, do.
Rose, John, do.
Stanton, Dyer, Athol.
Yoremans, Arthur, do.
Mandeville, Francis W., Hallowell.
Platt, Henry, do.
McDonald, Alexander, do.
Leavens, Daniel, do.
Herington, Jeremiah, do.
Raynor, Jotham, Hillier.
Pettot, Daniel, Jr., do.
Pennock, Samuel, do.
Scully, Jeremiah, do.
Roblin, Owen, Ameliasburgh.
Peterson, Samuel, do.
Downsey, Peter, Jr., do.
Roblin, Philip, do.
Williams, Isaac, do.
Moore, Thomas, Pictou.
Wycoff, James, do.
Pier, Calvin, do.
Mortimer, Cecil, do.
Greely, Absalom, do.
Morden, John H., Ameliasburgh.
Miller, James, do.

25.—Simcoe.

Acres—1,159,400.
 Population—30,000.
 Assessed Value in 1854—£1,053,828.

County Officials.

Warden—James Sanson, Orillia.
Treasurer—Edmund Lally, Barrie.
Registrar—George Lount, Barrie.
Clerk—John Strathy, Barrie.
Solicitor—John Strathy, Barrie.
Surveyor—Henry Creswick, Barrie.
Judge Co. Court and Chairman Quarter Sessions—J. R. Gowan, Barrie.
Sheriff—B. W. Smith, Barrie.
Clerk of Peace—Wm. McVity, Barrie.

Clerk of County Court—Jonathan Lane, Barrie.
Deputy Clerk of Crown—H. H. Gowan, Barrie.
Judge Surrogate—J. H. Gowan, Barrie.
Registrar Surrogate—J. Lane, Barrie.

Clerks of Division Courts.

Division I.—Thomas Lloyd, Barrie.
Division II.—T. Macouchy, Bradford.
Division III.—F. Stephens, Tecumseth.
Division IV.—Andrew Jardine, Nottawasaga.
Division V.—John Craig, Flos.
Division VI.—Adam Paterson, Orillia.
Division VII.—John Little, Mulmer.
Division VIII.—George McManus, Mono Mills.

County Town—BARRIE.

Chief Magistrate—T. D. McConkey, Barrie.

Clerk—George Lane, Barrie.

Population—About 2,000.

Assessed Value in 1855—£60,200.

Taxes per £ Annual Value—2s. 1d.

Municipalities.

Townships—Adjala, Essa, Flos, Gwillimbury, Twp. Innisfil, Matchedash, Medonte, Mono, Mulmer, Nottawasaga, Orillia, Oro, Sunnidale, Tay, Tecumseth, Tny, Tessoronto, Vespra; and Town of Barrie.

Magistrates.

Gowan, James R., Barrie.
Lount, George, W. Gwillimbury.
Dawson, John, do.
Steele, Elmes, Medonte.
Thomson, John, Orillia.
Stephens, Frederick, Tecumseth.
Wickens, James, Jr., Vespra.
Alley, Gerald, Orillia.
Goodfellow, Adam, W. Gwillimbury.
Thompson, Charles, Barrie.
Hume, William Charles, Orillia.
Richoy, Wellesley, Nottawasaga.
Contes, Matthew, Barrie.
Campaign, William, Mulmer.
Darling James, Tny.
Ross, Benjamin, Innisfil.
West, Thomas, W. Gwillimbury.
Craig, John, Flos.
Drury, Richard, Oro.
Moffatt, Andrew, Orillia.
Arnson, William, W. Gwillimbury.
White, Peter, Vespra.
Partridge, Charles, Barrie.
Soles, David, Innisfil.
Garbutt, John, W. Gwillimbury.
Ryan, Michael, Adjala.
West, Benjamin, W. Gwillimbury.
Cunningham, Andrew, Tecumseth.
Stephenson, William, St. Vincent.
Wilson, George, Medonte.
Simpson, William, Penetanguishine.
McLaughlin, Michael, Mono.
Dallas, James, Orillia.
Gaviller, Alexander, Tecumseth.
Sanson, James, Orillia.

Walker, Edward A., Barrie.
Hamilton, Wm. B. Penetanguishine.
Drinkwater, John H. S., North Orillia.
Moon, Edmund, Medonte.
McConkey, Thomas, Innisfil.
Parker, Thomas, W. Gwillimbury.
Barwick, John, do.
Watson, William, St. Vincent.
Stephens, James D., Nottawasaga.
Strong, William, Essa.
Gamble, Thomas, Tecumseth.
Brown, William, W. Gwillimbury.
Macouchy, Thomas, Bradford.
Evans, David, Tecumseth.
Wilson, Alfred, Innisfil.
Gillard, William, Barrie.
Gilmoro, John, Tessoronto.

Whitley, James
Corley, William
Cathay, George
Jackson, George
Ilay, William
McManus, Geo.
McWatt, John
Ilay, Edward
Sandford, Edin
Nalty, William
Beatty, William
Armstrong, J.
Alexander, J.
Rogers, Isaac
Seanton, Mark
Kerr, James
McLashan, J.
McArthur, Ar
Drury, Thomas
Williams, John
Joff, Robert
Clement, Lewi

25.—Storm
G
Acres—770,280
Population—£
Assessed Value
Liabilities—No
Amount of De

Cau
Warden—Will
son's Land
Treasurer—R.
Registrar for
Wood, Corn
Registrar for
McDonell, M
Registrar for
McDonald, J
Clerk—P. J. M
Solicitor—P. J
Surveyor—Jol
Judge Co. Cou
ter Sessions—
Sheriff—Danic
Clerk of Peace
Clerk of Co Co
Crown—L. J
Judge Surro
Cornwall.
Registrar Su
Cornwall.

Clerks
Division I.—
Division II.—
Division III.—
Division IV.—
Division V.—
Iamsburgh
Division VI.—
Division VII.—
Division IX.—
Division X.—

County
Chief Magist
gie, Cornw
Clerk—Charl
Population—
Assessed Val
Taxes per £

Townships
Finch, Os
Town of Co
Townships in
tain, Will
Townships in
burgh, In
Lancaster,

[151]

Crombie, James, North Dumfries.
Cook, Peter, do.
Sampson, Theophilus, do.
Scott, William, Wilmot.
Neville, Titus G., do.
Masters, John, do.
Ernst, John, do.
Cutton, Edward L. do.
Meyer, John, Woolwich.
Winger, Peter, do.
Hendry, Charles, do.
Sutton, John, do.
Bristow, Edward, do.
Smith, Robert, do.
Hawk, John, Wellesley.
Hawk, Pearce, do.
McKinlay, William, do.
Buchanan, Alexander, do.
Hastings, William, do.
Empey, Michael, P., do.
Taylor, George, (2) do.
Shade, Abraham, Galt.
Bowman, Wendell, North Dumfries.
Buchanan, Alexander, do.
Elliott, Andrew, do.
Climens, Isaac, Waterloo.
Klotz, Otto, do.
Wylie, Robert, North Dumfries.
Watson, John, do.
Kligour, Joseph, do.
Potter, David, do.
Sharp, James, do.

28.—Wentworth.

Acre—272,200.
Population—28,507.
Assessed Value in 1855—£1,681,219.
Liabilities—£33,952
Amount of Debet. Issued—£33,952.

County Officials.

Warden—John Heslop, Ancaster.
Treasurer—J. Kirkpatrick, Hamilton.
Registrar—A. Stuart, Hamilton.
Clerk—Charles O'Connell, Hamilton.
Solicitor—J. O. Hatt, Esq., Hamilton.
Surveyor—F. J. Kasirick, Hamilton.
Judge Co. Court and Chairman Quarter Sessions—A. Logie, Hamilton.
Sheriff—E. C. Thomas, Hamilton.
Clerk of Peace—P. B. Spohn, Hamilton.
Clerk of County Court and Deputy Clerk of Crown—Andrew Stewart, Hamilton.
Judge Surrogate—Oliver Springer, Hamilton.
Registrar Surrogate—George Rolph, Dundas.
Emigration Agent—Thomas C. Dixon, Hamilton.

Clerks of Division Courts.

Division I.—W. R. McDonald, Hamilton.
Division II.—A. F. Begue, Dundas.
Division III.—A. Hall, Watertown.
Division IV.—Wm. W. Barlow, Beverly.
Division V.—J. Bradley, Stoney Creek.

County Town—HAMILTON.

Chief Magistrate—Geo. H. Armstrong.
Clerk—Thomas Beasley.
Population—About 20,000.
Assessed Value in 1855—£190,480.
Taxes per £ Annual Value—3s.

Municipalities.

Townships—Ancaster, Barton, Beverly, Binbrooke, Flamborough East, Flamborough West, Glanford, Saltfleet; the City of Hamilton and Town of Dundas.

Magistrates.

Logie, Alexander, Hamilton.
Wilson, John, Saltfleet.
Wilson, Hugh, do.

Secord, John, Barton.
Servos, Daniel K., do.
Ritchie, Edmund, Hamilton.
Ferrie, Collin C., do.
Williamson, John, Stoney Creek.
Alkman, John, Ancaster.
Ewart, James B., Dundas.
Hammill, Thomas, Ancaster.
Cooley, Preserved, do.
Gourlay, William, Barton.
McNab, Sir Allan N., Hamilton.
Steven, Andrew, do.
Bingham, Elisha, Glanford.
Morgan, Henry, Binbrooke.
Smith, Harmanus, Ancaster.
Davidson, John, Hamilton.
Young, John, do.
McNab, Daniel, do.
Spaul, Philip, Ancaster.
Paterson, John, Dundas.
Winer, John, Hamilton.
Maclean, William, Barton.
Hepkins, Gabriel, E. Flamborough.
Gaulie, William, Hamilton.
Evans, Edward, Watertown.
Kerr, Archibald, Hamilton.
Heslop, Robert, Ancaster.
Armstrong, George H., Hamilton.
McCoy, Burge, Ancaster.
Hogboom, George, do.
Stinson, Ebenezer, Hamilton.
Holt, Robert, Dundas.
Jackson, Edward, Hamilton.
Hamilton, Robert J., do.
Gunn, Daniel C., do.
Ryckman, John, do.
Battersby, John, Ancaster.
Gott, William A., Hamilton.
Hamilton James, Dundas.
Waddle, Thomas, Barton.
Green, Samuel, Saltfleet.
Hughson, Nathaniel, E. Flamborough.
Lobridge, Robert, Watertown.
Kirkpatrick, James, Hamilton.
Hummill, Robert, Copetown.
O'Beirne, Martin J., Hamilton.
Lewis, Daniel, Stoney Creek.
Walker, James, Hamilton.
Freeman, William, Saltfleet.
Birely, Lewis D., Hamilton.
Soules, Benjamin, Saltfleet.
Davis, James G., Hamilton.
Van Wagner, Peter S., Saltfleet.
Triller, John, Hamilton.
Alkman, Michael, do.
Hornung, William, Barton.
Rymal, Jacob, do.
Buchanan, Isaac, Hamilton.
Curroll, Peter, E. Flamborough.
Case, Horatio N., Hamilton.
Carpenter, Alexander, do.
McIlroy, Robert, do.
Counsell, Charles O., do.
Park, George, do.
Ford, Nehemiah II., do.
Kerr, William G., do.
Williams, James M., do.
Moore, John F., do.
Davis, Milton, do.
Culder, James, Ancaster.

Cameron, Francis, do.
Binkley, Jacob, do.
Howell, Moses II., do.
Smith, William M., do.
Rymal, John, do.
Shaver, William, do.
Hendershot, Abraham, do.
Dreper, Jasper, do.
Howell, Peter, do.
Heslop, John, do.
Shaver, Daniel, do.
Finline, Brooke, Binbrooke.
Ptolemy, Charles, do.
Hall, Henry, do.
Spittal, James, do.
Sidey, John, do.
Flood, James, do.

Binkley, Alex., Glanford.
Springer, Richard, do.
Hannon, Joseph, do.
Smith, Gideon, do.
Holecombe, Seth, do.
McKenzie, Simon, Beverly.
Sager, Malachi, do.
Jennett, John, do.
Jones, George, do.
Nesbitt, Stephen, do.
Dickson, William, do.
Valiance, John, do.
Mizner, Adam, do.
Inksetter, Robert, do.
Christie, Robert, Jr., W. Flamboro'.
Logie, James, do.
Spence, Robert, Dundas.
Colman, James, do.
Miller, William, West Flamboro'.
Thornton, John M., Dundas.
Quarry, John, do.
Mitchell, James, do.
Campbell, Daniel, do.
Overfield, Benjamin, do.
Kengy, John, Dundas.
Bain, Walter, West Flamboro'.
Binkley, Samuel, do.
Sanderson, Hugh, do.
Smith, Thomas, Watertown.
Stock, Thomas, do.
McMoules, James, do.
Alray, George, do.
Graham, Henry F., do.
Stevenson, James, Jr., Hamilton.
Galbraith, David B., do.
Dayfoot, George C., do.
Williamson, David, Stoney Creek.
Green, Samuel K., do.
Waddell, Robert, Hamilton.
Smith, Lewis, Barton.
McQueen, James, Beverly.
Forrie, John, Hamilton.
Osborne, William, do.
Gordon, James, do.
Mills, John, do.
Bickell, Tristram, do.
Osborne, James, do.
Lister, Joseph, do.
Cummings, James, do.
Stinson, Thomas, do.
Moore, Hugh, Dundas.
Brown, Michael W., Hamilton.
Leslie, John, Dundas.
Tisdale, Marvin, D. L. Ancaster.
Bigelow, Albert, Hamilton.
McLaren, Wm. P., do.
Nicholls, Willoughby II. do.

Fisher, John, Hamilton.

Baker, Hugh C., do.
Clement, Joseph S., do.
Ford, Nehemiah, do.
Sanley, George, do.
McKenzie, Thomas II., Dundas.
Coleman, James, do.
Overfield, Samuel, do.
Irvine, Adam, do.
Spence, Robert, do.
Sornburgh, Ephraim, do.

29.—Wellington.

Acre—791,604.
Population in 1852—26,796.
Assessed Value in 1855—£1,302,444.
Liabilities—£5,000, ex. Debet.
Amount of Debet. Issued—£13,959.

County Officials.

Warden—Charles Allan, Elora.
Treasurer—William Hewat, Guelph.
Registrar—H. W. Peterson, Guelph.
Clerk—A. D. Ferrie, Guelph or Fergus.
Solicitors—Fergusson and Kingsmill, Guelph.
Surveyor—Francis Kerr.
Judge Co. Court and Chairman Quarter Sessions—Archibald Macdonald.

Sheriff—George
Clerk of Peace—
Clerk of Court—
Judge Surrogate—
Registrar Surrogate—

Clerks of

Division I.—A
Division II.—M
Division III.—
wood, Frank
Division IV.—
Division V.—W
Division VI.—
Division VII.—
ville.
Division VIII.—
County
Chief Magistrate
Clerk and Treas
Population—3,
Assessed Value

Townships—A
mosa, Erin,
thor, Maryb
Peel, Milbu
Town of Gue

William Reyno
William Hewat
Edward Murto
James Webster
Alexander Dry
Thomas Webster
Alexander D. F
Henry Strange
Richard Jackso
William Clarke
Charles J. M
George Armstr
James Hodgert
John Harland
James Wright
Thomas V. W
Thomas Muir
Peter McGill
Edmund E. H
John Hammer
Alexander Har
William Leslie
Henry W. Pote
David Allan
Alfred A. Bake
John McCrea
Frederick W. S
John Smith
William Armst
Robert Royce
James Loghrin
William Phinu
Adam L. Argo
John Cockburn
Thomas Ellis
Charles Mickle
David Striton
Charles Allan
George Barron
Sam Wipier
Alexander Wa
John Watt
Thomas Dow
Thomas Loghr
William Clark
George Hensha
William Tyler
Charles McKill
John Wilkie
Nelson Hughes
George Allan
Garret Molloy
William Gunn
Richard Hattie
Andrew Mitch

Sheriff—George J. Grange.
Clerk of Peace—Thomas Saunders.
Clerk of County Court and Deputy
Clerk of Crown—James Hough.
Judge Surrogate—A. Macdonald.
Registrar Surrogate—Thomas Keating.

Clerks of Division Courts.

Division I.—Alfred A. Baker, Guelph.
Division II.—William Leslie, Puslinch.
Division III.—Andrew Hewat, Rock-
wood, Eramosa.
Division IV.—J. Cadenhead, Fergus.
Division V.—William Tyler, Erin.
Division VI.—John Cadenhead, Elora.
Division VII.—John Cookman, Allans-
ville.
Division VIII.—C. O'Callaghan, Arthur.

County Town—Guelph.

Chief Magistrate—John Smith.
Clerk and Treasurer—James Hough.
Population—3,000.
Assessed Value in 1855—£19,513.

Municipalities.

Townships—Amaranth, Arthur, Bra-
mosa, Erin, Garafraxa, Guelph, Lu-
ther, Maryborough, Milne, Nichol,
Peel, Pilkington, Puslinch; and
Town of Guelph.

Magistrates.

William Reynolds, Pilkington.
William Hewat, Guelph.
Edward Murton, do.
James Webster, do.
Alexander Drysdale, Garafraxa.
Thomas Webster, do.
Alexander D. Ferrier, Nichol.
Henry Strange, Bramosa.
Richard Jackson, Guelph.
William Clarke, do.
Charles J. McKie, do.
George Armstrong, Eramosa.
James Hodgert, Guelph.
John Harland, do.
James Wright, do.
Thomas W. Valentine, Nichol.
Thomas Muir, Senior, do.
Peter McGill, Erin.
Edmund F. Heath, Puslinch.
John Hammersly, do.
Alexander Harvey, Nichol.
William Leslie, Puslinch.
Henry W. Peterson, Guelph.
David Allan, do.
Alfred A. Baker, do.
John McCrea, do.
Frederick W. Stone, do.
John Smith, do.
William Armstrong, Eramosa.
Robert Royce, do.
James Loghrin, do.
William Phinn, do.
Adam L. Argo, Nichol.
John Cockburn, Puslinch.
Thomas Ellis, do.
Charles McKie, do.
David Strlton, do.
Charles Allan, Pilkington.
George Barron, Nichol.
Sam Wipier, do.
Alexander Watt, do.
John Watt, do.
Thomas Dow, do.
Thomas Loghrin, do.
William Clark, Erin.
George Henshaw, do.
William Tyler, do.
Charles McMillan, do.
John Wilkie, Garafraxa.
Nelson Hughson, Amaranth.
George Allan, Peel.
Garret Molloy, do.
William Gunn, Arthur.
Richard Hatfield, do.
Andrew Mitchell, do.

E

30—York and Peel.

Acres in York—515,342.
Acres in Peel—279,743.
Population in 1852 (exclusive of City
of Toronto):—York, 79,713; Peel,
21,816.
Assessed Value in 1855:—York,
£3,290,855; Peel, £1,543,018.
Total Am't of Taxes:—York, £9,037;
Peel, 5,397.
Liableties—York, 1,951; Peel, £689.
Amount of Debentures issued—York,
£1,149; Peel, £564.

County Officials.

Warden—J. Hartman, M.P.P. Aurora.
Treasurer—J. S. Howard, Toronto.
Registrar—John Ribot, Toronto.
Clerk—John Elliot, Toronto.
Judge Co. Court and Chairman Quar-
ter Sessions—Samuel Bealey Harri-
son, Toronto.
Sheriff—W. Botsford Jarvis, Toronto.
Deputy Sheriff—F. W. Jarvis.
Clerk of Peace—G. Burnett, Toronto.
Deputy Clerk of Peace—J. H. S. Dol-
mage.
Clerk of County Court—Walter Mc
Kenzie, Toronto.
Judge Surrogate—S. B. Harrison, To-
ronto.
Registrar Surrogate—W. J. Fitzgerald,
Toronto.

Clerks of Division Courts.

Division I.—A. McL. Howard, Toronto.
Division II.—C. Koller, Unionville.
Division III.—J. Orlove, Richmond
Hill.
Division IV.—J. C. Hogaboom, New-
market.
Division V.—Mark Mossington, North
Gwillimbury.
Division VI.—A. Armstrong, Noblo-
ton.
Division VII.—A. Agar, Barnside.
Division VIII.—John Paul, Weston.
Division IX.—A. Simpson, Streetsville.
Division X.—T. McKenna, Brampton.
Division XI.—T. Switzer, Sandhill.

County Town—Toronto.

Chief Magistrate—G. W. Allan, Mayor.
Police Magistrate—George Burnett.
Clerk—Charles Daly.
Population—About 50,000.
Taxes per £ Annual Value—2s. 10d.

Municipalities.

Townships in York—Etobicoke, Geor-
gina, Gwillimbury East, Gwillim-
bury North, King, Markham, Scar-
borough, Vaughan, Whitechurch,
York; City of Toronto and Village
of Yorkville.
Townships in Peel—Albion, Caledon,
Chingacousy, Toronto, Toronto
Gore; and Village of Brampton.

Magistrates.

Harrison, Samuel B., Toronto.
Crookshank, George, do.
Elmsley, John, do.
Baldwin, Augustus, do.
Adamson, Peter, Toronto Township.
Thompson, William, do.
Gamble, John W., Vaughan.
McQuarrie, Hector, do.
Monger, Benjamin, Chingacousy.
Gamble, William, Etobicoke.
Monro, George, Toronto.
Chewett, James G., do.
Ridout, Thomas G., do.
Denison, George T., do.
Gapper, Richard C., Markham.
Baldwin, Connell J., Toronto Gore.
Lynch, John, Chingacousy.
Campbell, Francis, do.

Button, John, Markham.
Thomson, Edward W., York.
Gamble, James, Whitechurch.
Fisher, Thomas, Etobicoke.
O'Brien, Lurins, Toronto.
McQuarrie, Donald, Caledon.
Boyd, Francis, Toronto.
Graham, Wm. R., Vaughan.
Pateron, James, Streetsville.
Berezy, Charles, Toronto.
Crewe, William, Cooksville.
Gardiner, Joseph, Chingacousy.
McDougall, Daniel, Vaughan.
Bell, George, Caledon.
Clark, William, Scarborough.
Johnson, James, Aldon.
Rogers, Joseph, Toronto.
Sanderson, John, Streetsville.
Gorham, Eli, Whitechurch.
Hawkins, John, Toronto Township.
Tomlinson, Joseph, Markham.
Strayer, Peter, Etobicoke.
Kline, John N., Vaughan.
Brett, Thomas, Caledon.
Stewart, Henry, King.
Leslie, James, Toronto.
Bell, Thomas, do.
Willson, John, York.
Maclem, John, Whitechurch.
McKeehanle, Alexander, Vaughan.
Harrold, Samuel, East Gwillimbury.
Baldwin, Wm. A., Toronto.
Brooke, Daniel, do.
Cook, Jacob, Toronto Township.
Cummer, John, York.
Beaty, James, Toronto.
Devenish, William, Scarborough.
Monkman, James, Albion.
Phillips, Samuel E., King.
Graham, Jeremiah, East Gwillimbury.
Ridout, George P., Toronto.
Reeve, Wm. B., Toronto Township.
Thompson, Charles, York.
Crosby, Chauncey, Markham.
Thom, John, Toronto.
Perrin, Wm. L., do.
Eccles, Hugh, do.
Howard, John G., do.
Wakefield, William, do.
Woodill, John, Toronto Gore.
Holden, Sinclair, Markham.
Burr, Rowland, Vaughan.
Pearson, Nathaniel, King.
Freeland, Peter, Toronto.
Howard, James S., do.
Silverthorne, Aaron, Toronto Town'p.
Doel, John, do.
Dennis, Joseph, York.
Helliwell, Thomas, Toronto.
Naton, James, do.
Lawrence, Peter, York.
Cameron, John, Toronto.
Preston, Thomas J., do.
Cathcart, Robert, do.
Lynn, Samuel G., do.
Switzer, Benjamin, Toronto Town'p.
Price, Samuel, do.
Cotton, Robert, do.
Birdsall, William, do.
Adams, William, Albion.
Kent, Francis, Chingacousy.
Wright, George, do.
Ceasar, John, do.
Milburn, Thomas, Albion.
Switzer, Daniel, do.
Taylor, James, York.
Arnold, Abner, Markham.
Crosby, Henry, do.
Marr, Benjamin, do.
Reesor, Christopher, do.
White, Ira, do.
Wideman, Henry, Whitechurch.
Button, William M., Markham.
Harris, James B., Toronto Township.
Crumble, John, do.
Ogden, Samuel, G., do.
Barber, Robert, do.
Simpson, Adam, do.

Wright, Joseph, Toronto Township.
 Duggan, William, do.
 Todd, John, do.
 Gardner, Robert, do.
 Johnston, William, do.
 Pointer, Richard, do.
 Price, Samuel, do.
 Spiers, Wm., Chinguaousy.
 Howland, Peleg, do.
 Holmes, John, do.
 Learmont, William, do.
 Allan, William, do.
 Haggard, Thomas, do.
 Buckham, Andrew, do.
 Sinclair, Archibald, do.
 Young, Thomas, do.
 Lindsay, Samuel, Caledon.
 Kirkwood, John, do.
 Russel, Thomas, do.
 McGregor, John, do.
 Dick, David, do.
 Bolton, James, Albion.
 Wallace, Edward, do.
 Roadhouse, William, do.
 McDougall, Joseph, do.
 Atkins, James C., Toronto Gore.
 Bowman, Robert, do.
 Somerset, John, do.
 Slightholm, James, do.
 Figg, Joseph, do.
 Howland, William P., Etobicoke.
 Smith, Joseph, do.
 McFarlane, Alexander, do.
 Musson, Thomas, do.
 Bagwell, John B., do.
 Grubb, William, do.

Wadsworth, William, Etobicoke.
 Price, James Hervey, York.
 Bloor, Joseph, do.
 Denison, Richard L., do.
 Gilmore, Isaac C., do.
 Alcorn, Samuel, do.
 Parker, Reuben A., do.
 Selby, William, East Gwillimbury.
 Sloan, W. J., do.
 Boves, John G., Toronto.
 Whittenmore, Ezekiel F., do.
 McDonnell, Duncan, do.
 Workman, Joseph, do.
 Mitchell, James, do.
 O'Neill, Terence J., do.
 Hayes, James J., do.
 Wright, Amos, Markham.
 Miller, Henry, do.
 Reid, John, do.
 Nichols, William, do.
 Pringle, Jacob, Jr., do.
 Reesor, David, do.
 Eckhardt, Frederick, do.
 Wright, S. Reid, do.
 Clarkson, Hilary, do.
 Barker, Archibald, do.
 Post, Jordan, Scarbrough.
 Wheeler, John P., do.
 Glendinning, Archibald, do.
 Snider, Martin, do.
 Purvis, James, do.
 Helliwell, William, do.
 Teffy, Matthew, Vaughan.
 Dickson, George P., do.
 Cook, Thomas, do.
 Bunt, Frances, do.

Hughes, Job, East Gwillimbury.
 Knight, Moses, do.
 Stiles, Henry D., do.
 Jakeway, Aaron, do.
 McMaster, Arthur, do.
 Loughton, William, do.
 Sprague, David, North do.
 Terry, William B., do.
 Payson, Ephraim II., do.
 Wilson, Hugh T., do.
 Irwin, Jared, King.
 Smith, James II., do.
 Tyson, John, do.
 Irwin, Robert, P. do.
 Wells, William, do.
 Sharpe, John, do.
 Noble, Thomas, do.
 McLeod, Martin, do.
 Hartman, Joseph, Whitechurch.
 Jones, Norman, do.
 Wheeler, Edward, do.
 Smith, Robert II., do.
 Playter, George, do.
 Brodie, George, do.
 James, William, York.
 Mulholland, William, do.
 Johnson, Abraham, do.
 McMullin, James, do.
 Bridgeland, Clark B., do.
 Tyrrill, William, do.
 Lee, William, do.
 Pease, Eliza, do.
 Gurnett, George, Toronto.
 Dugan, George, Jun., do.
 Bowes, John, George, do.

CLERGY OF CANADA.

United Church of England and Ireland.

DIOCESE OF QUEBEC.

DISTRICT OF QUEBEC.

Lord Bishop of Quebec—Right Rev. G. J. Mountain, D.D., D.C.L. *Bishop's Official and Examining Chaplain*—Rev. Geo. Mackie, D.D.; *Chaplain*—Rev. S. Wood, M.A., Rev. Jasper H. Nicolls, M.A., Rev. Armine W. Mountain, M.A.

Quebec—Lord Bishop, Rector; George Mackie, D.D. Cathedral District; E. W. Sewell, Holy Trinity Chapel; D. Robertson, Chaplain to H. M. Forces; W. A. Adams, D.C.L., Cathedral Lecturer, (Secretary to Church Society); G. Percy, B.A., St. Peter's Chapel; R. G. Pies, St. Paul's Chapel; A. W. Mountain, M.A., and H. Roe, B.A., Curates, having each a Chapel; C. L. F. Haensel, Evening Lecturer, Holy Trinity Chapel; R. A. Carden, Assistant, do.

Point Levy—J. Carry, B.D.
Montmorency Falls—C. L. F. Haensel.
Valcartier—E. C. Parkin.
Stoncham & Lake Beauport—R. Short.
Bourg Louis and Port Neuf—W. Binet, B.A.

Upper Ireland, &c.—Vacant.

Leeds—Vacant.

Frampton, &c.—R. S. Birtch.
Riviere du Loup—E. G. W. Ross.
Acting Chaplain to Quarantine Station—A. W. Mountain, M.A.

DISTRICT OF THREE RIVERS.

Three Rivers—S. S. Wood, M.A., Rector.
Riviere du Loup en haut—W. Merick, B.A.

Nicole—H. Burges, B.A.
Drummondville and Lower Durham—W. M. Ross, (Acting).

DISTRICT OF ST. FRANCIS.

Kingsey & Upper Durham—A. Balfour.
Richmond and Melbourne—D. Falloon, D.D.

Sherbrooke—C. P. Reid.

Lennoxville—L. Doolittle, M.A., G. Pennefather, B.A., (and at Bishop's College, J. H. Nicolls, M.A., and H. C. Thomson, M.A.)

Compton, &c.—A. A. Allan.

Hatley—H. G. Burrage.

Baton—J. Dalziel.

Bury, &c.—J. Kemp, B.D.

Duetswell & Ham—T. S. Chapman.

DISTRICT OF GASPE.

New Carlisle, &c.—G. Milne, M.A.

Cape Cove and Perce—Sep. Jones.

Sandy Beach, &c.—F. A. Smith.

Gaspe Basin, &c.—W. Arnold, (retired), F. De La Mare.

Magdalen Islands—F. Boyle.

DIOCESE OF MONTREAL.

DISTRICT OF MONTREAL.

Lord Bishop of Montreal—Right Rev.

Francis Fulford, D.D.—Residence—

See House, Montreal.

City of 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. J. Reid, D.D.,

Rev. M. Townsend, M.A., Rev. W. T.

Leach, D.C.L., Rev. C. Bancroft, M.A.

Archdeacon of Montreal, Ven. H. M.

Lower, M.A.

Bishop's Chaplains, Ven. Archdeacon

Lower, M.A., Rev. J. Scott, M.A.

Bishop's Secretary, Rev. Canon Gil-

son, M.A.

St. George's Church—Rev. Canon Leach,

D.C.L.; Rev. W. B. Bond, M.A., As-

stant Minister.

Trinity Church—Rev. A. D. Camp-

bell, M.A.

St. Stephen's Church—Rev. Jacob Elle-

good, M.A.

St. Luke's Church—Rev. Canon Gil-

son, M.A.

Garrison Chaplain—Rev. E. Rogers.

Abbotsford & Rougemont—Robert I.

Robinson.

Aylmer and Hull—Rev. J. Johnston.

Berthier and Brandon—Rev. W. Mer-

rick, M.A., Mr. Benson, Catechist.

Belford—Rev. J. Jones.

Brome—Rev. R. Lindsay, M.A.

Buckingham—Rev. W. Morris.

Chamby—Rev. J. P. White, Rector.

Christieville—Rev. J. A. McLeod.

Clarenceville—Rev. M. Townsend, M.A.

Rector.

Clarendon—Rev. J. S. Sykes.

Coteau du Lac—Rev. J. Mountain, M.A.

Oreansville and Churchville—Rev. J. C.

Davidson.

Dunham—Rev. J. Scott, M.A., Rector.

Edwardsdown—Rev. E. Sutton.

Farnham & St. Brigid—Rev. W. Jones.

Frost Village and Stukeley—Rev. B.

Lindsay.

Gore—Rev. G. Griffin.

Granby—Rev. T. Machin.

Greenville—Rev. C. Forest.

Hemmingford—Rev. G. de Courcy.

O'Grady, M.A.

Henryville—Rev. E. Duvernay, M.A.

Kingston—Rev. F. S. Neve.

L'Acadie—Rev. F. E. Judd, M.A.

LaCite—Rev. J. Flanagan.

Lacolle—Rev. C. Moir.

Laprairie—Rev. R. Lonsdell.

Masouche and Terrebonne—Rev. B.

Coruwall.

Milton—Rev. G. Slack, M.A.

New Glasgow & Kitchenny—Rev. A. B.

Lockhart.

Ormstown—Rev. W. Brethour, M.A.

Rawdon and Kildare—Rev. C. Rollie.

Russelltown—Rev. J. Fulton.

Sabreville—Mr. Moulpied, Catechist.

St. Andrew's—Rev. W. Abbott, Rector.

St. Armand East—Rev. Canon Rollie.

D.D., Rector.

St. Armand West—Rev. R. Whitwell.

M.A., Rector; Rev. C. A. Wetherill.

B.A., Assistant.

St. Hyacinthe & Upton—Rev. J. Goddard.

St. John's—Rev. Canon Bancroft, M.A.

Rector.

lier, sous-secrétaire.

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College de Sainte Anne—MM. C. Gauv- reau, V. G.; F. Pilote, Supérieur; A. Blanchette, A. Pelletier, P. Lagace, T. Beaulieu.

Notre-Dame de Quebec—MM. Jos. Au- clair, cure; G. F. E. Drolet, D. Racine, J. R. L. Hamelin, vicaires.

Eglise St. Patrice—MM. J. Nelligan, Chap.; E. Bonneau, J. N. Campbell, J. P. Colfer.

Eglise St. Jean—MM. A. Racine, Chap., F. Brunet, Vicaire.

Chapelle St. Laurent—G. Drolet.

Congregation de Quebec—RR. PP. J. Schneider, J. Beaudry, J. Braun, J. B. Faleur.

Urduines—M. G. L. Lemoine.

Hôtel-Dieu—MM. Lemieux, Chap., M. A. Lefrançois.

Hôpital-Generel—M. E. G. Plante, Chap., M. L. T. Bedard, Anc. Chap.

La Pointe a Pizau et Hopitaux Mili- taires—M. P. H. Harkin.

St. Roch—MM. Z. Charest, cure; J. B. Z. Bolduc, J. Martel, P. Dionhe, vi- caires.

Hôpital de la Marine—J. B. Z. Bolduc.

Congregation de St. Roch—R. P. J. B. Faleur.

Eglise St. Sauveur—RR. PP. F. Duro- cher, F. A. Grenier, H. Pinet, O.M.J.

DISTRICT DE QUEBEC—ISLE D'ORLEANS.

St. Pierre—MM. Jos. Tardif.

St. Laurent—J. Naud.

St. Jean—A. Gosselin.

St. Francois—T. F. Destroismaisons.

St. Famille—G. H. Besserer.

COTE DU NORD.

Grandines—G. S. Deromo.

St. Casimir—N. Guertin.

Deschambault et St. Alban—C. E. Poire.

Cap-Sante—E. Morin.

St. Basile—J. Sasseville.

Ecureuils—Z. Gingras.

Pointe-aux-Trembles—L. E. Parent.

St. Raymond—P. J. Bedard.

St. Augustin—A. Millette.

St. Catherine—W. Dunn.

St. Rye—P. Huot.

Ancienne-Lorette—J. Laberge.

St. Ambroise—F. Boucher.

Charlebourg—E. Payment.

Lac Beauport et Laval—O. Paradis.

Valcartier et Stoneham—P. T. Clarke.

Beauport—J. Langevin.

Ange Gardien—F. X. Leduc; J. Asse- lin, anc. cure.

Chateau-Richer—E. E. Parant.

St. Anne—P. Garlepy.

St. Ferreal—E. Richard.

St. Joachim—L. Provencher.

Petite-Riviere—T. Larouche.

Bas St. Paul—M. Chauvin; L. Otisse, Vicaire.

St. Urbain—P. Clement.

St. Agnes—J. Lagneux.

Boudiments—C. Gagnon; G. Beaulou, Vicaire.

Isle-aux-Coudres—J. B. Pelletier.

St. Irene—C. Poultin.

Malbaie—A. Beaudry.

St. Fidele, dc.—F. Morissette.

Chicoutimi—F. A. Blouin.

Grand Brule—A. Casgrain.

Grande-Baie—L. Gill.

Les Escoumins, les postes du roi—RR. PP. Babel and Arnaud.

Labrador—H. Pinet.

COTE DU SUD.

St. Jean Deschailions—L. Noel.

Lobiniere—E. Faucher.

St. Croix et St. Flavien—S. Belcau; B. Desrochers.

St. Antoine—P. Beland; B. Robin.

St. Nicolas—E. Ballargoon.

Halifax, dc.—J. M. Bernier.

St. Sophie—F. Plamondon.

St. Giles, dc.—W. Richardson.

St. Julie—J. Beland.

Somerset, dc.—C. Trudel.

Leeds, dc.—F. McDonald.

St. Silvestre—J. O'Grady; M. Dowling.

St. Jean Chrysostome—P. Beaumont.

St. Romuald—P. Sax.

N. D. de Levy—J. D. Doziel; B. Mac- gauran, G. Gaudin.

Pointe Levy—J. H. Routier; J. B. Cote.

St. Henri—J. B. Grenier; J. P. Lefran- cois, anc. cure; J. Couture, anc. cure.

St. Lambert—O. Brunet.

St. Isidore—L. Poulin.

St. Anselme—J. B. Bernier.

St. Marie de la Beauce—L. Proulx.

St. Elzear—L. H. Grenier.

St. Bernard—E. Moore.

St. Joseph de la Beauce—D. Martineau.

St. Frederic—F. Caron.

St. Francois de la Beauce—F. X. Tessier.

Lambton—N. Godbout.

Artyth, dc.—E. Begin.

Tring—C. Roy.

St. George—A. Campeau.

Frampton—M. Kerrigan.

St. Claire—L. F. Bernard; J. Rioux, Vicaire.

St. Marguerite—E. Halle.

St. Henedine—Chs. Beaumont.

St. Gervais—P. Pouliot; E. V. Dion, Vicaire.

St. Lazare—E. Dufour.

St. Charles—P. Villeneuve; A. Mail- loux, V. G.

Beaumont—L. Lahaie.

St. Michel—N. C. Fortier.

St. Valier—A. L. Proulx.

St. Raphael, dc.—J. B. Perras.

Berthier—J. Bonenfant.

St. Francois Riv du Sud—L. L. Belle- isle.

St. Pierre Riv du Sud—Z. Sirols.

St. Thomas—J. L. Beaulieu; N. Leclair, Vicaire.

Isle-aux-Grues—C. Tardif.

Cup St. Ignace—J. E. Cecil.

Islet et St. Cyrille—F. P. Delage.

St. Jean Port-Joli—L. Parent; M. For- tin, Vicaire.

St. Roch des Aulnets—D. H. Tetu; Jos. Berube, Vicaire.

DISTRICT DE KAMOURASKA.

St. Anne Lapocatiere—L. A. Bourret.

Riviere-Ouelle—C. Begin.

St. Lucome et N. D. Mont Carmel—F. X. Begin.

St. Denis—E. Quartier.

Kamouraska—N. Hebert; F. O. Hebert, Assistant.

St. Puschal—P. Patry; C. Gauvreau, Vicar General.

St. Alexandre—J. Matte.

St. Helene—I. Doucet.

St. Andre—N. Doucet.

Riviere-du-Loup, dc.—N. Beaulieu.

Cicouma—J. C. Cloutier.

St. Modeste—H. Potvin.

St. Arsene—N. Belanger.

Isle-Verte—J. B. Gagnon.

St. Eloi—T. A. De Gaspe.

Trois-Pistoles—Deon Roy.

St. Simon—G. S. Marecau.

St. Cecile—L. Marecau.

Rimouski—C. Tanguay.

St. Luc—G. Nadeau.

St. Flavie—M. Duguay.

Mitis—J. B. Blanchette.

Matane, dc.—P. Boucher.

DISTRICT DE GASPE,

St. Anne des Monts, dc.—E. Rousseau.

Riviere au Renard, dc.—F. Olliva.

Douglstown, dc.—E. S. Pafard.

Perce, dc.—N. Gingras.

Grande-Riviere, dc.—L. Desjardins.

Aspebiac, dc.—E. J. Lapointe.

Donaventre, dc.—J. L. Alain.

Cureton—N. Audet.

Ristigouche, dc.—F. Dumontier.

DIOCESE DES TROIS RIVIERES.

Eveque des Trois Rivieres—Monsie- neur Thomas Cooke.

Chaplain des Ursulines—M. F. G. Lo- ranger, Vicaire General.

A P. Etchele—MM. J. Aubry, D.D.; Ed. Chabot, Procureur; S. Loupit, F. Baillargeon, Vicaires; Is. Guilmette, desservant, St. Etienne; Ph. O. Geli- nas, Sec.

Seminaire de Nicolet—Superieur et Di- rect, MM. Thos. Caron, Direct du Grand Sem. Chs. Dion, Prefet. des etudes, A. N. Bellumir, Procureur.

F. R. Cote, F. Desaulniers, S.D.A.M.

COTE DU NORD.

St. Didace—F. Turgeon.

Maskinonge et St. Justin—G. Ed. Bois.

St. Ursule—A. Mayrand.

St. Paulin—J. H. Lottinville.

Riviere du Loup—J. Boucher; J. Le- bourdais, L. Marcoux, anc. cures.

St. Leon—L. Aubry.

Yamackiche—J. H. Dorion.

St. Severe—R. A. Nolsen, desservant.

St. Barnabe—J. E. Sirols.

Pointe du Lac—D. Paradis.

Cap de la Magdelaine—L. O. Desilets.

St. Maurice—T. O. Prince.

Champlain—D. M. Marcoux.

St. Narcisse—A. Charest.

Balsam—W. Frechette.

St. Genevieve—F. H. Cote.

St. Stanislas et St. Juste—J. B. Olscamps.

COTE DU NORD.

St. Prosper—L. Sourigny.

St. Anne de la Perade—A. Dupuis; T. Lacoursiere, Vicaire.

COTE DU SUD.

St. Pierre les Bequets—Jos. Bailey; A. Leclerc, ancien. cure.

Gentilly—L. H. Dostie.

St. Gertrude—P. de Villers.

Beaucourt—L. S. Malo.

St. Gregoire—J. Harper; C. Z. Garceau, Vicaire.

St. Pierre, Celestin—J. C. Marquis.

Nicolet—Z. Rousseau.

Bas de l'Ebre—M. Carrier.

St. Zephir—A. Marcoux.

St. Thomas de Pierreville et le Village des Abenakis—J. Maureault.

St. Francois du Lac—J. Paradis.

St. Michel d'Yamaska—C. J. Lebrun.

St. David de Deguire—F. Bte. Chartre.

St. Guillaume d'Upton—N. Kerock.

Drummondville, dc.—O. Belcourt.

Shipton, dc.—L. Trahan.

Durham, dc.—A. H. Lassissere, des- servant.

Watton, dc.—G. Duhaunt.

Kingsey—J. B. Leclerc.

St. Christophe, dc.—Ph. H. Suzor; A. Bouchard, Vicaire.

St. Norbert d'Arthabaska—P. Roy.

Stanford, dc.—N. Pelletier.

DIOCESE DE MONTREAL.

Monsieur I. Bourget. Eveque de Mont- real. Monsieur J. Laroque, Eveque de Cydonia, Coad.

College of Bytown—Rev. J. Tabaret, President; Rev. A. Soulerin, Professeur de Rhetorique; Rev. Hector Mauriol, Professeur de Belles Lettres et de Mathematiques; Rev. John Gillie, Professeur de Method. Regents—Thomas Mangau, Professeur d'Anglais; Pierre Collins, do.; Francois Duhamel, Professeur DeFrancais; J. O'Brien, Surveillant.

Mission de la Baie d'Hudson—R.R. Aug. Garin; Regis Deleage.

Mission des Chantiers—R.R. Medard Bourassa; Fr. Reboul.

Cathedrale de Bytown—Damase Dandurand Cure d'Office; Michael Molloy, P. Moloney.

East Hawkesbury—Joseph Collins.

L'Original—Ant. O'Malley; Aug. Ebward, Vicaire.

Plantagenet—Louis Almeras; Joseph Sterkendries, Pretre Assistant.

Cumberland—Joseph Michel.

Gloicester—Thomas O'Boyle; F. Hand, vicaire.

Richmond—P. O'Connell.

Hamilt.—Ed. Vaughan.

Fitz Roy—Bernard McFeeley.

Renfrew—Mich. Byrne.

Broomly—James Strain.

Pembroke—Mich. Lynch.

Alumet's Island—James Lynch.

Cadamel—Louis Ouellet.

Portage du Fort—Joseph Bouvier.

Aylmer—Mich. Lynch.

Chelsea—James Hughes.

La Peche—Fr. Lauzier.

Wakefield—Pat. McGee.

Riviere du Desert—Regis Deleage, F. Andreux, Jos. Reboul.

Gatineau—Louis S. Olinguet.

Buckingham—John Brady.

St. Andre Avelin—Joseph David.

Bon Secours (Petite Nation)—Arthur Mignault.

DIOCESE OF KINGSTON.

Right Rev. R. Gaulin, Bishop of Kingston, (Infirm.)

Rt. Rev. P. Phelan, Bishop of Carthage, Administrator Apostolic of the Diocese of Kingston.

Kingston—Very Rev. P. Dollard, V.G., Rev. J. S. O'Connor, Secretary, Rev. Michael Cuno, Very Rev. Angus McDonnell, V. G. Chaplain of Provincial Penitentiary.

Regiopolis College—V. R. Aug. McDonnell, Professor of Theology; John O'Brien, Henry Begins. Professors.

St. Raphael—Very Rev. John McDonnell, V. G.

Pictou—Murt Lalor.

Belleville—Michael Brennan.

St. Andrews—G. Hay.

Perth—J. H. McDonough.

Smith's Falls—T. Smith.

Tyandemagwa—C. Burk.

Prescott—Edward P. Roche.

Brockville—Oliver Kelly.

Osbourn—Michael Timlin.

Kemptville—Daniel Farrelly.

Loborough—Patrick McEvay.

Cornwall—Aeneas McDonald.

Hungerford—E. B. Lalor.

Peterborough—John Farrell.

Lindsay—James Chisholm, D.D.

Winchester, &c.—Bernard Coyle.

Camden—Bernard Higgins.

Bedford—John Foley; P. O'Reilly, (Infirm.)

Trenton—H. Brettargh.

Gananoque—J. R. Rossiter.

Duro—Michael Macky.

Asphodel—James Farrelly.

Emily—John Burk.

Wolfe Island—John Foley.

Port Hope—Kyrán O'Keefe.

Lochiel—John Meade.

Alexandria—John McLachlan.

Napanee—Thomas McMahon.

Williamstown—F. McDonagh.

Kingston—Thomas Walsh, Jas. Quinlan, Alex. McDonnell, (Infirm.)

Sheffield—John Gallagher.

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.

Cathedral of St. Michael—Right Rev. A. F. M. DeCharbonnel; Revs. J. M. Bruyere, J. Joyce, and F. Wardy.

St. Paul's—Thomas Fitzhenry.

St. Mary's—John O'Neill.

College of St. Michael—J. M. Soulerin, Superior; J. Malbos, Treasurer; P. Molony W. Flannery and G. Vincent, Professors; George Northgraves, M. Rooney, M. J. O'Dea, and Charles Livermann, Ecclesiastics.

Oshawa—J. B. Proulx.

Adjala—X. Pourret.

Toronto Gore—Eugene O'Reilly.

Niagara and Snapp—Louis Musart.

St. Catharines—B. Grattan and P. Conway.

Hamilton—Edward Gordon, V.G., and A. Cayton.

Dundas—J. O'Reilly.

Brantford—J. Ryan.

Ingersoll—R. Keleher.

London—T. T. Kirwin, Rural Dean, and Peter Crennan.

St. Thomas—J. D. Ryan.

Chatham—J. V. Jaffre, S. J.

Lehigh—M. Raynel.

Amherstburgh—M. J. Daudet; C. Angelv.

Sandwich—P. Point V. G., S. J.; J. Maingul, S. J.; J. Grimaud, S. J.; P. Cornelian, S. J.

Goderich—Peter Schneider.

Manitowish—J. Hanipaux, S. J.; N. Point, S. J.

Sault Ste Marie—J. B. Menet, S. J., A. Kohler, S. J.

Missions of Lake Superior—D. Duranquet, S. J.; P. Chone, S. J.

Penetanguishene—Claude Ternet.

Wellesley—C. Mesner, St. Clement.

New Germany—J. B. Baumgartner.

Orillia—J. F. Synnot.

Brook—J. Walsh.

Barrie—J. Jamot and J. Hoban.

Stratford—P. Kearney.

Tecumseth—Rattigan.

Wilmet—R. F. Ebner, S. J., St. Agatha.

Guelph—J. Holzer, S. J.; F. Matoga, S. J.

Diocesan Missionaries—John McNulty, M. Moncoq.

Retired at Sandwich—A. Vervais.

Superannuated—J. O'Flynn.

Presbyterian Church of Canada.

IN CONNECTION WITH THE CHURCH OF SCOTLAND.

Synod meets at Kingston on last Wednesday of May, 1856.

Rev. Alexander Mackid, Goderich, Moderator.

Rev. Andrew Bell, L'Original, Synod Clerk.

John Cameron, Esq., Toronto, Treasurer.

MONTREAL PRESBYTERY.

Meets at Montreal on the First Wednesday of February, May, August and November.

Thomas Haig, Beauharnois, Clerk.

Montreal, St. Andrews—A. Mathieson, D.D.

Chatham and Grenville—Wm. Malr.

Ormsstown—James Anderson.

Georgetown—James C. Muir.

Quebec, St. Andrews—John Cook, D.D.

Lachine—William Simpson.

Hemmingford—John Merlin.

Huntingdon—Alexander Wallace, A.B.

Montreal, St. Paul's—R. McGill, D.D.

New Richmond—John Davidson.

St. Louis—James T. Paul.

Beauharnois—Thomas Haig.

Melbourne—Thomas Morrison.

Valcartier—David Shunks.

Beech Ridge—John McDonald.

Point Levi—Duncan Anderson, A.M.

Three Rivers—George D. Ferguson.

Vacant Charges—Norvaltown & Russelltown, Laprairie, Dundee.

French Missionary within the bounds of Presbytery—T. J. Charbonell.

PRESBYTERY OF GLENGARY.

Meets on the Third Wednesday of January, May and September.

T. McPherson, A.M., Lancaster, Clerk.

Cornwall—Hugh Urquhart, A.M.

Lancaster—Thomas McPherson, A.M.

Cole St. George—Aeneas McLean.

Finch—Donald Muuro.

Williamsburgh—Thomas Scott.

L'Original & Plantagenet—A. Bell.

Osnabrock—Robert Dubie.

Vacant Charges—Williamstown, Martintown, Lochiel, Indian Lands, Cooteau du Lac, Vankleek Hill, Dalhousie Mills.

PRESBYTERY OF HAMILTON.

Meets at Hamilton on the Second Wednesday in January, May and September.

John B. Mowat, A.M., Niagara, Clerk.

Goderich—Alexander Mackid.

Guelph—Colin Gregor.

Stratford & N. Easthope—W. Bell, A.M.

Simcoe—George Bell, A.B.

Niagara—John B. Mowat, A.M.

Galt—Hamilton Gibson.

Chatham—John Robb.

Woodstock and Norwich—F. P. Sim.

Saltfleet and Bindbrook—William Johnson, A.M.

Dundas & Ancaster—Kenneth McLennan, A.B.

London—John Skinner, D.D.

Hamilton—Robert Burnet.

North Dorchester—W. McKewen, A.M.

Wawarush—James Stewart.

Westminster—James McKewen, A.M.

Woolwich—James Thom.

Fergus—George MacDonnell.

Vacant Charges—Nelson and Watertown, Williams, Amherstburgh Clinton, Dover, Lynedoch, St. Thomas, Wellesley, Brantford, Puslinch, Yarmouth, Aldborough, Kincardine, Arthur, Elderslie, Glenock & Culross.

Retired Ministers—William King and George McClatchy.

PRESBYTERY OF BATHURST.

Meets at Perth and Ottawa City alternately on the Second Wednesday in January, May and September.

William Balm, A.M., Perth, Clerk.

Perth 1st Church—William Bell, A.M.

South Gower—Joseph Anderson, A.M.

Pakenham—Alexander Mann, A.M.

Kitley—David Evans.

Lanark—Thomas Fraser.

Perth, St. Andrew's—Wm. Balm, A.M.

Ramsay—John McMorien.

Bytown—Alexander Spence.

Smith's Falls—Solomon Mylie.

Brockville—John Whyte.

Beckwith—Duncan Morrison.

McNab & H.
Richmond—
Litchfield—
Vacant Char
Ingham, I.
Ordained M

PRESBYTERY OF KINGS.

Meets at Kingston on the day of February, November.

J. Barclay, Moderator.

Pickering—
Esquimaux—
King—John
Chinguacou—
Mono—Alex
Eldon—John
Toronto—Jo
Swilimbury—
Clarke and
Hornby—W
Kottawasaga—
Thora—Day
Darlington—
Mulmur—A
Scott and U
Newmarket—
Markham—
Scarboro—
Vacant Cha
Reach.

Synod of Chubu.

Officers of

Lowry, I.

W. Reid,

and Gen.

Church.

PRESBYTERY OF KINGS.

Toronto, K.

Whitby, J.

West Gwill

Langham,

Chinguacou

York Mills

Thora and

Acton—Jo

Oakville—

Streetsville

Oro and O

Union & D

King—Jau

Barrie and

Scarboro

Red River

M. Wilkes

Knox's

James Ha

W. Reid,

T. Wright

PH

Cobourg—

South Car

Peterboro

Grafton &

Darlington

Baltimore

McKen

Otonabee

Cartwright

North Co

Norwood

Trenton

J. W. Sn

nois, Clerk.
s—A. Mathie.

—Wm. Mair.
erson.

Muir.
ohn Cook, D.D.

erson.
erlin.

er Wallace, A.B.
McGill, D.D.

Davidson.
ul.

Haig.
arrison.

aks.
Donald.

Anderson, A.M.
D. Ferguson.

altown & Rus-
Dundee.

in the bounds of
barbonell.

LENOART.
Wednesday of

September.
ancaster, Clerk.

hart, A.M.
Pherson, A.M.

s McLean.
as Scott.

et—A. Bell.
ble.

lanstown, Mar-
dian Lands, Co-
ek Hill, Dalhou-

AMILTON.
the Second Wed-
May and Sep-

Nagara, Clerk.
Mackid.

e—W. Bell, A.M.
A.B.

at, A.M.
a.

h—F. P. Sim.
—William John-

Kenneth McLen-
r, D.D.

nect.
McEwen, A.M.

wart.
cEwen, A.M.

n.
nnell.

on and Water-
erstburg Clin-
h. St. Thomas.

Puslinch, Yar-
lucardine, Ar-
nock & Culross.

dian King and
ATHURST.

awa City alter-
Wednesday in
eptember.

erth, Clerk.
am Bell, A.M.

Anderson, A.M.
Mann, A.M.

er.
n. Bain, A.M.

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Mylne.
e.
rison.

McNab & Horton—G. Thompson, A.M.
Richmond—Peter Lindsay.
Litchfield—John Lindsay.
Vacant Charges—Cumberland & Buck-
ingham, Huntley.
Ordained Missionary—James Sinclair.

PRESBYTERY OF KINGSTON.

Meets at Kingston on the First Wed-
nesday of every month.
George Weir, A.M., Kingston, Clerk.
Seymour—John Machar, D.D.
Seymour—Robert Neil.
Queen's College—J. Williamson, LL.D.,
John Smith, A.M., James George.
Belleville—Archibald Walker.
Vacant Charge—Camden.

PRESBYTERY OF TORONTO.

Meets at Toronto on the Third Tues-
day of February, May, August and
November.
J. Barclay, D.D., Toronto, Clerk.
Pickering—Peter McNaughton, A.M.
Esquiquing & Milton—Peter Ferguson.
King—John Tawse, A.M.
Chinguacousy—Thomas Johnson.
Mono—Alexander Lewis.
Eldon—John McMurehy.
Toronto—John Barclay, D.D.
Guillimbury West—Alexander Ross.
Clarke and Hope—Samuel Porter.
Hornby—William Barr.
Nottawasaga—John Campbell, A.M.
Thora—David Watson, A.M.
Darlington—John H. McKerris, A.M.
Mummr—Archibald Colquhoun.
Scott and Uxbridge—William Cleland.
Newmarket—John Brown.
Markham—James Gordon, A.M.
Scarboro—James Bain.
Vacant Charges—Vaughan, Brock and
Reach.

Synod of the Presbyterian Church of Canada.

Officers of Synod, 1855-6.—Rev. Thos.
Lowry, Bradford, Moderator; Rev.
W. Reid, Toronto, Clerk of Synod,
and General Agent for Schemes of
Church.

PRESBYTERY OF TORONTO.

Toronto, Knox's Church—R. Burns, D.D.
Whitby—James Findlay.
West Guilmory—Thomas Lowry.
Vaughan—William Meldrum.
Chinguacousy—A. T. Holmes.
York Mills—Thomas Wightman.
Thorah and Eldon—John McAvish.
Acton—John McLaughlin.
Oakville—James Nisbet.
Streetsville—Robert Ure.
Oro and Orillia—John Gray.
Union & Norval—J. Alexander, A.M.
King—James Adams.
Barrie and Inuvist—Rob. McKenzie.
Scarboro—John Leing.
Red River—John Black.
M. Willis, D.D., Professor of Theology,
Knox's College; G. P. Young, do.
James Harris, without charge.
W. Reid, Synod Clerk, &c.
T. Wightman, Presbytery Clerk.

PRESBYTERY OF COBOURG.

Cobourg—Donald McLeod.
South Cayen—James Douglass.
Peterboro—John M. Roger.
Grafton and Colborne—J. W. Smith.
Darlington—John Smith.
Baltimore and Coldsprings—W. J.
McKenzie.
Otonabee—Francis Andrews.
Cuthbert and Munro—Rob. Boag.
North Cayen—William Blain.
Norwood—James Bowie.
Trenton—J. Thompson.
J. W. Smith, Presbytery Clerk.

PRESBYTERY OF KINGSTON.

Gananoque—Henry Gordon.
Demorestville—James Rogers.
Belleville—William Gregg, A.M.
Kingston, Chalmers Church—
"Brook Street—And. Wilson.
Malco—James V. Chesnut.
Picton—Thomas Chambers.
W. Gregg, Presbytery Clerk.

PRESBYTERY OF BROCKVILLE & OTTAWA.

Prescott—R. Boyd, A.M.
Brockville—J. McMurray.
South Gower—W. J. Macdowell.
Osgoode and Gloucester—W. Lochead.
Dalhousie—James Geggie.
Macnab and Horton, S. C. Fraser, M.A.
Ottawa—Thomas Wardrope.
Pembroke—Andrew Melville.
Wakefield—John Corbett.
Beckwith—Peter Gray.
Perth—James B. Duncan.
Aylmer and Nepean—J. L. Gourlay.
Ramsey—James Smith, M. A.
Bristol—David Wardrope.
Without Charge—W. Smart.
S. C. Fraser, Presbytery Clerk.

PRESBYTERY OF MONTREAL.

Melitz—W. McAllister.
Quebec—W. B. Clark.
St. Therese de Blainville—David Black.
Lachute—Thomas Henry.
Indian Lands—David Gordon.
Richmond—R. C. Swinton, Missionary.
Omanabuck—J. C. Quin.
Montreal, Cole Street—D. Fraser, A.M.
St. Eustache, &c.—William Scott.
Winstow, &c.—Ewan McLean, Miss'y.
Lochead—Duncan Cameron.
Leeds—James McConechy.
Cornwall—Hugh Campbell.
Lancaster, &c.—John Anderson.
Durham and St. Louis de Gonzague—
Robert McArthur.
English River—John Milno.
Laguette—J. Crombie.
Montreal, St. Gabriel Street—A. F. Kemp
Rev. D. Fraser, Presbytery Clerk.

PRESBYTERY OF LONDON.

Zorra—Donald McKenzie.
North Easthope—Daniel Allan.
Stratford—Thomas McPherson.
Egmondville—William Graham.
Ingersoll—Robert Wallace.
Egfrid and Mosa—W. R. Sutherland.
Chatham—Angus McColl.
Williams—Lachlan McPherson.
Woodstock—Wm. S. Ball.
Aldborough—Duncan McMillan.
London—John Scott.
Buxton—William King.
Brucefield—John Ross.
Woodstock—Duncan McDiarmid.
Amherstburg—William McLaren.
Blandford—Andrew Talmie.
Plympton—William Porterfield.
Sarnia—David Walker.
Port Stanley—William Doak.
Saugen—James H. McNaughton.
J. Scott, Presbytery Clerk.

PRESBYTERY OF HAMILTON.

Salfted and Binkbrook—Geo. Cheyne.
Dundas—M. Y. Stark.
Galt—John Bayne, D.D.
Hamilton, Knox's Church—R. Irvine.
"McNab Street—David Inglis.
Fergus—George Smellie.
Cumminsville and Nairn—A. McLean.
Guelph—Samuel Young.
Owen's Sound—John McKimmon.
Ayr—Duncan McRuar.
Caledonia and Allan's Settlement—Jas.
Black.
Brantford—John Alexander.
Nassagaweya—Andrew J. McAuley.

Niagara—James Pirie.
Paris—Andrew Stevens.
Wellesley—John McKay.
Blenheim—John Gillespie.
St. Catharines—R. F. Burns.
M. Y. Stark, Presbytery Clerk.

United Presbyterian Church in Canada.

Next meeting of Synod to be held in
Hamilton, on Tuesday, June 3, 1856,
at half-past seven o'clock, P.M.
Robert Torrance, Moderator.
William Fraser, Clerk.

PRESBYTERY OF LONDON.

Bethel, English Settlement—J. Skinner.
London—John J. A. Proudfoot, Clerk.
Warrensburg, Brucefield—John Logie.
Goderich—John Fraser.
St. Mary's, Downie—William Cavan.
Adelaide, Warrick—William Deas.
McKillop—Matthew Barr.
Harrich—Alexander W. Waddell.
Ingersoll, Woodstock—Archibald Cross.
Detroit, Mich.—John Hogg.
Bayfield—James Duncan.
Vacancies—Westminster, Chatham,
Hibbert, Flat Creek, Tilbury.

PRESBYTERY OF FLAMBERO.

Plamboro, Dundas, Thos. Christie.
Caledonia, Indiana, Onida—Andrew
Ferrier, D.D.
West Dumfries—Alexander Ritchie.
Deerly—John Porteous, Clerk.
Chippewa—William M. Christie.
Thorold—William Dickson.
Ancaster—John Lees.
Vacancies—Hamilton, St. George, Dun-
ville.

PRESBYTERY OF TORONTO.

Toronto, 2nd—John Taylor, M.D.
West Guilmory, Tecumseth, Essex—
William Fraser.
Dumbarham & Canton—Alex. Kennedy.
Chinguacousy, 1st & 2nd—D. Coutts.
Toronto, 1st—John Jennings.
Richmondhill—James Dick, Clerk.
Toronto Township & Brantford—James
Pringle.
Vaughan, Albion—Peter Glassford.
Vacancies—Pickering, Caledon.

PRESBYTERY OF CANADA EAST.

Montreal—William Taylor, D.D.
New Glasgow—Alex. Lowden, Clerk.
Madrid, N.Y.—John Morrison.
Lachute—Walter Scott.
Huntingdon—James Watson.
Vacancies—Hemmingford, Shemming-
ton.

PRESBYTERY OF LANARK.

Smith's Falls—William Aitken.
Fitzroy Harbor, Toronto—Alexander
Henderson, Clerk.
Vacancies—Pakenham, Arnprior.

PRESBYTERY OF DURHAM.

Whitby—R. H. Thornton, Clerk.
Port Hope—John Cassie.
Charles—George Lawrence.
Faulk, Munro, Ops—John Ewing.
Morisset, Lindsay, Verdun—Gilbert
Twissie.

Ernestown, Frederickburg—J. Scott.
Newton, Newcastle—Wm. C. Young.
Amherst Island—James Macintosh.
Vacancies—Darlington, Oakhills.

PRESBYTERY OF WELLINGTON.

Elora—John Duff.
Eramosa—William Barrie.
Euphrasia, St. Vincent—J. F. A. S.
Favotte.
Guelph—Robert Torrance, Clerk.
Lake Shore—Robert Dewar.
Vacancies—Esquing, Brant, Syden-
ham, Sable River.

PRESBYTERY OF BRANT.

Blandford—Joseph Scott.
Paris—David Caw.
Blenheim—George Murray.
Brantford—Alexander A. Drummond, Clerk.
Norwichville—Robert Rodgers.
Glenmorris—John Dunbar.
Mount Pleasant—Patrick Greig.

Wesleyan Methodist Church in Canada.

Enoch Wood, President of the Conference, and General Superintendent of Missions; John Ryerson, Co-Delegate; S. D. Rice, Secretary.

TORONTO DISTRICT.

Toronto East—John Genley, John Bredin; Anson Green, D.D., Superannuated; George R. Sanderson, James Spencer, Egerton Ryerson, D.D., Lucian Taylor.
Toronto West—John Borland, Charles Lavell, George McKitchie.
Longe Street—Richard Jones, Benjamin Jones, J. Sanders; Horace Dean, Superannuated.
Humber—Robert Lochard.
Brampton—Samuel C. Philp, William Andrews.
Cooksville—Benjamin Nankeville; Jonathan Scott, Supernumerary.
Whitby—D. B. Madden, A. Drennan.
Markham—Thomas Jeffers, R. Fowler; David Yeomans, Superannuated.
Nelson—Thomas Campbell; D. Wright, Superannuated.
Milton—John Hunt.
Georgetown—John Law.
Stouffville—Ashton Fletcher.
Prince Albert—Thomas Demorest.
 Richard Jones, Chairman.

HAMILTON DISTRICT.

Hamilton—James Elliott, Ephraim B. Harper; S. Belton, Superannuated.
Dundas—G. Goodson, E. H. Dewart.
Windsor—Joseph Messmore.
Glandford and Seneca—T. Williams, R. Johnson.
Nanticoke—J. Goodfellow, J. Wilson.
Dunnville—Luther O. Rice.
Cayuga—James Armstrong.
Grimsby—S. Huntington, T. Cobb.
Stoney Creek—John English; William Haw, Supernumerary.
Suspension Bridge—Peter Ker, Superannuated.
St. Catharines—Kennedy Creighton.
Thorold—Thomas Bevirt, R. J. Foreman.
Drummondville—Alexander T. Green.
Niagara—G. N. A. F. T. Dixon.
Windsor—James Harris; John Baxter, Reuben E. Tipper, Superannuated.
Chinssville—William Sutton.
 Thomas Bevirt—Chairman.

BRANTFORD DISTRICT.

Brantford—I. B. Howard; H. Biggar.
Mount Pleasant—W. S. Griffin; R. Heyland, Superannuated; C. Byrne, Supernumerary.
Paris—O. H. Ellsworth.
Woodstock—W. McCullough, J. Shaw, John Wakefield.
St. George—Thomas Fawcett.
Galt—George Kennedy.
Ingersoll—Ozias Barber, W. Williams.
Norwich—Peter German, D. M. Hill.
Simcoe—Joseph Shepley.
Dover—E. M. Ryerson, Supernumerary.
Walsingham—Matthew Swann; Matthias Holby, Supernumerary.
Fredericksburg—Isaac Crane.
Aylmer—Francis Berry, Jas. Morgan.

Vienna—Edwin Clement.
New Credit—Matthew Whiting.
Grand River—W. Ryerson, P. Jones.
 W. McCullough, Chairman.

LONDON DISTRICT.

London—Henry Wilkinson, Jos. E. Sanderson.
London Circuit—Thomas Cleghorn, J. W. Savage; E. Stoney, sup'd.
Westminster and Fingal—John Hutchinson, T. Hoskin.
St. Thomas—William Price; Thomas Harmon, superannuated.
Strathroy—J. K. Williston.
Warwick—Thomas Crews.
Port Stanley—Francis Chapman.
Devonshire—J. Webster, W. K. Morden.
Belmont—William Savage.
 Henry Wilkinson, Chairman.

CHATHAM DISTRICT.

Chatham—N. F. English, W. Hawke.
Mount Elgin and Muncey—S. Rose, J. Sunday, Abraham Sickles.
Wardsville—William Ames.
Wallacburgh—Aaron Miller.
Morpeth—William Dignam, Richard Phelps, Superannuated.
Gosfield—William Chapman.
Sandwich & Windsor—Edward White.
Amherstburgh—E. L. Koyle.
Port Sarnia—John G. Laird, Thomas Pearson.
St. Clair—Solomon Waldron.
 Samuel Rose, Chairman.

GUELPH DISTRICT.

Guelph—Lewis Warner, A. Edwards.
Flora—Charles Sylvester.
Berlin and Benheim—Thomas Robson, Andrew Smith.
Peel—C. W. M. Gilbert, Ezra Adams, Superannuated.
Stratford—George Case.
St. Mary's—Henry Reid.
Clinton—Alexander Campbell.
Goderich—John S. Evans, James Berry.
Mitchell—I. B. Aylesworth, M.D.
Kincardine—S. D. Maudsley.
Arthur—Thomas Lawson.
Mono—Richard Pinch, Peter Empey.
Erin—Robert Corson.
Wellesley—William Glass.
Grey—Jas. E. Dyer, J. Armstrong, 1st, Superannuated.
Morris—John A. Dowler.
Wallace and Howick—James Clarke.
Wawanesa —
Mount Forest —
 Lewis Warner, Chairman.

OWEN'S SOUND DISTRICT.

Newash—Conrad Vandusen.
Colpoys Bay —
Owen's Sound—Samuel Fear, W. M. C. Luke; John Neelds, Sup'y.
St. Vincent—Thomas Culbert.
Saugen—John Kahbege.
Southampton—William Richardson.
Derby—George Jacques.
Durham—Joseph Hill.
Walker's Mills—William R. Dyre.
Proton—John L. Kerr.
Osprey—David Hunt.
Bruce Mines—Joseph Forsyth.
Garden River—Geo. W. McDougall.
Lake Superior, North Shore—George Blaker.
 Conrad Vandusen, Chairman.

BARRIE DISTRICT.

Barrie—John Douse.
Imbilsit—Thomas Stobbs.
Bradford—W. Young, W. McDonagh.
Cookstown—John A. Williams.
Newmarket—Wm. Willoughby, John S. Clarke.
Holland Landing—George Cochran.

Snake Island—David Costellow.
Brook—George T. Richardson.
Rama —
Flus and Orillia—Stephen Brownell, Alexander R. Campbell.
Penetanguishene Road and Deauvoliet Island—Edward Sallows.
French River —
Collingwood Harbour—Joel Briggs.
 John Douse, Chairman.

COBOURG DISTRICT.

Cobourg—George H. Davis; J. Beatty, Superannuated.
Victoria College—Saml. S. Nelles, A.M., Principal; Samuel D. Rice, Governor.
Port Hope—J. W. McCollum, George Trivers.
Bowmanville—Thos. Cosford, Samuel Tucker.
Newest—William S. Blackstock.
Cartwright and Sengay—T. Hanna.
Millbrook—James Hughes, H. Blackstock, Supernumerary.
Peterborough—W. H. Poole.
Smith—Levi Vanderburg.
Rice Lake—William Herkimer.
Alnwick—James Musgrove, Wm. Case.
Alnwick Circuit—James Iveson.
Colborne—Charles Taggart.
Lindsay—J. C. Osborne, W. H. Laird.
Metcalfe—William Briden.
Norwood—George Carr, Amos E. Russ.
Keene—Henry McDowell.
 J. Musgrove, Chairman.

BELLEVILLE DISTRICT.

Belleville—John Carroll.
Caasecon—M. Fawcett, P. Germain.
Pictou—J. C. Slater, William Tomlin, Gilbert Miller, Daniel McMullen, Supernumeraries.
Sidney—John Lever, David Johnson.
Brighton—William McFadden, Jabez Hunting Keough.
Demoresteille—Vincent B. Howard, C. R. Allison, Superannuated.
Shannonville—Nelson Brown.
Hungerford—Michael Baxter.
Madoc—J. Sanderson; Stephen Miles, Superannuated.
Stirling—John Black.
Percey and Seymour—W. H. Williams, J. Youmans.
 William McFadden, Chairman.

KINGSTON DISTRICT.

Kingston—John Ryerson, G. Douglass, Henry Byers, Supernumerary.
Napanee—G. F. Playter, A. Fletcher, Jr.
Wilton and Loughboro—Francis Coleman, A. Dayman, G. J. Dingman.
Bath and Amherst Isl.—David C. Clappison, William Shannon.
Waterloo-Kingston—William Philp.
Ganongue—Charles Turver.
Newborough—William M. Pattysyn.
Farmersville—George Beynon, J. W. German.

BRACKVILLE DISTRICT.

Brackville—Richard Whiting.
Preced—Henry Lanton.
Matilda—Ashael Hurlburt, E. Peake.
Perth—David C. McDowell.
Kemptville—James Greener; J. Masson; H. Shaler, Superannuated.
Matilda—James Gray, John B. Armstrong.
Smith's Falls—Sylvester Hurlburt; Wm. Brown, Supernumerary.
Carlton Place—Joseph Reynolds.
Lanark Village and Sherbrooke—Wm. Burns; A. Adams, Supernumerary.
Packenhurst—Robert Hobbs.

Merrickville—
Cornwall—Jo
Winchester
 Ashael Hurl
 or
Ottawa City
Aylmer—Rol
Richmond
 Bradon.
L'Orignal—V
Lochaber—D
Wgoode—Wi
Gatineau—S
Clarendon
 Luther Ho
Westmalt—
Humley—Th
Grenville—J
 James Brock
 MOS
Montreal Cen
 John Doug
Montreal Wes
Montreal East
 Rawdon and
 ton, James
St. John's—L
Chamblay—D
Odell Town
 Homingfor
Russelltown
Huntington
St. Andrews
 Armstrong
Cavignall—V
 Wellington J
 QUE
Quebec—Will
Point Levi—
Three Rivers
Leeds—John
Chaudiere—
Melbourne—
 Danville
Sherbrooke
Eaton—Robt
Dudswell
Gaspé—E. F.
 Benjamin Sil
 STA
Stanstead—M
Compton—Jo
Hatley —
Coaticook—J
East Bolton
Shefford—G
Granby —
Dunham—R
 Samuel E.
 cock, Epe
Sutton—Fra
St. Armand
Clarenceville
 John Tomki
 HUDS
Korway Ho
Hurlburt—
Oxford Hou
Lac-La-Pu
Edmonlon
 —Thomas V
 Thomas Hu
 Metho
 TO
Toronto—D.
Yorkville—J
Whitechurch
Trafalgar
Galcedon—G.
Brook—N. C.
Milton—W.
 J. Caswell,

Costello,
Hudson.

Stephen Brownell,
Hull.
Hull and Deasoliel
Hovos.

Joel Briggs,
Hull.

STRICT.

Davis; J. Beatty,
Hull.
J. S. Nelles, A.M.,
D. Rice, Governor.
H. Colburn, George

Cosford, Samuel

Blackstock.

Hanna.

Hughes, H. Black-

bury.

Poole.

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lerkimer.

greve, Wm. Case.

nes Iveson.

ne, W. H. Laird.

iden.

er, Amos E. Russ.

well.

an.

STRICT.

Hill.

P. Germain.

William Tomlin,

aniel McMullen,

David Johnson.

McFadden, Jabez

at B. Howard, C.

innuated.

Brown.

Baxter.

Stephen Miles,

W. H. Williams,

chairman.

STRICT.

son, G. Douglass,

numery,

r, A. Fletcher, Jr.

co—A. Francis Cole-

J. Dingman.

—David C. Clap-

mon.

William Philp.

Curver.

M. Patten.

Reynon, J. W.

ish.

son.

gante, Chairman.

STRICT.

Whiting.

on.

Hurlburt, E. Peake.

well.

reener; J. Mas-

perannuated.

J. John B. Arm-

ester Hurlburt:

numery.

Reynolds.

herbrooke—Wm.

Supernumery.

Hobbs.

Merrickville—Robert Brewster.
Cornwall—John Howes, Rich. Keegan.
Winchester—Ernestus Hurlburt.
Ashuel Hurlburt, Chairman.

OTTAWA DISTRICT.

Ottawa City—James Brock.
Aylmer—Robert Robinson.
Richmond—William Coleman, John
Bradon.
L'Orignal—Wm. Morton, James Roy.
Lochaber—David Hardie.
Osgoode—William McGill, J. Lathier.
Gatineau—Silas Huntingdon.
Clarendon and Porage du Fort—
Luther Houghton, Wm. Scales.
Westmeath—Richard Hammond.
Hurdley—Thomas McMullen.
Grenville—John D. Pugh.
James Brock, Chairman.

MONTREAL DISTRICT.

Montreal Centre—Wellington Jeffers;
John Douglas, Supernumery.
Montreal West—George Young.
Montreal East—Joseph Jones.
Rawdon and Westleyville—W. Creigh-
ton, James Morris.
St. John's—Robert Cooney, A.M.
Chambly—David Jennings.
Odeil Town—Wm. Scott.
Hemmingford—Richard Clarke.
Russelltown—Richard Wilson.
Huntington—Isaac Barber, J. Sweet.
St. Andrews—James H. Bishop, And.
Armstrong.
Cavignall—Wm. Hewitt.
Wellington Jeffers, Chairman.

QUEBEC DISTRICT.

Quebec—William Pollard.
Point Levi—Wm. Hansford.
Three Rivers—Wm. Steer.
Leeds—John Armstrong.
Chaudiere—Edward Cragg.
Melbourne—T. W. Constable, B. Cole.
Danville.
Sherbrooke—Benjamin Slight, A.M.
Eaton—Robert Graham.
Dudswell.
Gaspé—E. F. Ingalls, Supernumery.
Benjamin Slight, A.M., Chairman.

STANDEY DISTRICT.

Stanstead—Malcolm McDonald.
Compton—John B. Selley, M.D.
Hulley.
Coaticook—John Pugh.
East Bolton—Joseph Hewgill.
Shefford—Gifford Dorey.
Granby.
Danham—Rufus A. Flanders.
Samuel E. Phillips; Carnabas Hitch-
cock, Supernumery.
Sutton—Francis Hunt.
St. Armand—James Norris.
Clarenceville—John Tomkins.
John Temkins, Chairman.

HUDSON'S BAY TERRITORY.

Norway House, Lake Winnipeg—Thos.
Hurlburt.
Oxford House—Robert Breeking.
Lac-Lac-Puie—Allan Salt.
Edmonton House and Rocky Mountain
—Thomas Woolsey and H. Steinhaur.
Thomas Hurlburt, Chairman.

Methodist New Connection.

TORONTO DISTRICT.

Toronto—D. Savage.
Yorkville—J. Dent.
Whitechurch—J. Caswell.
Trayfulgar—J. Simpson.
Calodon—G. Langford.
Brook—N. C. Gowan.
Milton—W. Webb.
J. Caswell, Chairman of District.

HAMILTON DISTRICT.

Hamilton—W. McClure, J. Freeman,
Supernumery.
Ancaster—D. Bettes, J. Kettle, J.
Haynes, Supernumery.
Welland Canal—E. Williams, W. Wil-
lams.
Barton—J. Wilkinson.
Nassagaweya—J. Bell.
Waterloo—J. McAlister.
Cayuga—Thomas Ogden.
Lake Erie Mission—J. A. Miller.
W. McClure, Chairman.

LONDON DISTRICT.

London—J. H. Robinson, J. Scott.
London North—W. Presten.
Howard—B. Haigh, W. Tindall.
Blanshard—F. G. Weaver.
Goderich.
Elfrid—C. Curry.
Morris—T. O. Adkins, J. Walker.
Colchester.
J. H. Robinson, Chairman.

WATERFORD DISTRICT.

Waterford—T. Goldsmith, J. Hill, W.
Ramage, Supernumery.
St. Thomas—J. B. Kershaw.
Malahide—H. Wilkison.
Norwich—Thomas Rump.
Thomas Goldsmith, Chairman.

JOHNSTOWN DISTRICT.

Landown—W. Barnett, J. C. Warren,
Supernumery.
Elizabethtown—D. D. Rolston.
Oxford—W. Gundy.
Crosby—T. Reid, J. Doel, J. Hales, Su-
pernumery.
Drummond.
Marlborough—J. Baskerville.
W. Gundy, Chairman.

CAVAN DISTRICT.

Cavan—John Histon.
Manvers—J. Vining, J. Crawford.
Newcastle—W. Bothwell.
Prince Edward—O. Whitcomb.
J. Histon, Chairman.

OWEN SOUND DISTRICT.

Arthur—A. Clark.
Durham—T. M. Jeffries.
Sydenham—J. Gaddis.
Southampton—S. Gundy.
Elderley.
Thomas M. Jeffries, Chairman.
Montreal—J. C. Watts.
Connectional Officers—J. H. Rolston,
General Superintendent of Missions;
W. McClure, Assistant do.; T. Lot-
tridge, Treasurer of the Connection;
R. H. Brett, Financial Secretary.
M. Atkinson, Mission Secretary.

Methodist Episcopal Church in Canada.

John Reynolds, Belleville, and Philan-
der Smith, Brocklin, General Super-
intendants.

NIAGARA ANNUAL CONFERENCE.

TORONTO DISTRICT.

Isaac Brock Richardson, Presiding
Elder.
Darlington—Jas Draper, Wm. Pirritte.
Walby—R. B. Cook; C. W. Fraser,
Superannuated.
Markham—George Lawrence.
Newmarket—George Smith.
Nelson—A. L. Thurston.
Yonge Street—H. Dockham; J. Rich-
ardson, Superannuated.
Toronto—J. Hayard.
Orangeville—J. M. Collins.
Georgetown—J. Gilray, C. Taylor.
Garafranza—J. Foster.

NIAGARA DISTRICT.

J. W. Jacobs, Presiding Elder.
Hamilton—G. Shephard, S. Morrison;
T. Weister, Supernumery.
Eaton—W. D. Brown.
Niagara—H. Taylor; E. Sweazy, Su-
pernumery.
Welland—J. Wood.
Caledonia—G. Bennett, H. Kelly.
Glenora—E. Bartram.
Suffield—W. F. Lowe.
Tuscarora—S. Dunnett.
Caledonia—B. Brown.

OXFORD DISTRICT.

E. Bristol—Presiding Elder.
Dumfries—J. McLean; B. Markle,
Superannuated; S. Steward, Super-
numery.
Elberheim—J. Ormerod; W. Cape, Su-
pernumery.
Gaitland—E. Leunsterry; J. Owen,
Superannuated.
Norwich—J. Gibson.
Stratfordville—A. E. Griffith.
Houghton—Wm. Yekum.
Finnis—J. Curtis; E. Harris, Super-
annuated.
Malahide—W. D. Hughson; C. Pettis,
Superannuated.
Dorchester—L. P. Smith, M. Benson.
St. Mary's—Thomas Dawes.
Oxford—G. Abbs, S. J. Wright.
Embro—A. Housburger.

LONDON DISTRICT.

G. P. Harris, Presiding Elder.
London Station—J. Tufford; J. Bally,
Superannuated.
London Circuit—A. Jones; D. Culp,
Superannuated.
Maitland—N. A. Fraser.
Stanley—J. W. Hyam.
Southold—E. Draper.
Howard—T. Atkinson.
Thames—B. Lawrence.
St. Clair—R. Yokum.
Desanquet—N. Roy.
Dover—O. G. Collamore.

NIAGARA DISTRICT.

W. Woodward, Presiding Elder.
St. Vincent—S. L. Kerr.
Arthur—R. L. Tindall.
Kincardine—A. Bradshaw.
Collingwood—M. D. Archer.
Durham—W. Campbell.

BAY QUINTE CONFERENCE.

BAY QUINTE DISTRICT.

J. Gardener, Presiding Elder.
Hope Circuit—W. Graham; T. Lewis,
Superannuated.
Cahoon—A. McLaren; J. Gatehall,
Superannuated.
Brighton—J. F. Wilson, John Comrey;
S. W. Ladue, Superannuated.
Percy and Seymour—W. E. Norman.
Eli Woodcock.

Ravens—John A. Rogers.
Huntingdon & Elzevir—N. H. Howard.
Sidney—S. Young.
Belleville—D. Wilson; W. Bird, Agent
for Belleville Seminary.
Hallowell—B. W. Blanchard, J. Q.
Adams; E. Orser, Supernumery.
Consecon—R. Sanderson.

KINGSTON DISTRICT.

Renson Smith, Presiding Elder.
Tyndinaga—H. Williams, J. Rom-
bough; D. Brown, Supernumery.
Napawee—R. Earl.
Bay Quinte—J. G. Bull, W. A. Sills;
R. Perry, Superannuated.
Hinchinbrook—Thomas Plato.
Waterloo—J. Tukey, W. H. Graham.
Kingston—J. B. Aylsworth; J. H.
Johnson, General Agent for Belle-
ville Seminary.

Wolfe Island—J. N. D. West.
Gananoque and Escotie—J. C. Burnell.
 AUGUSTA DISTRICT.
A. Wright, Presiding Elder.
Brookville—P. P. Pomeroy.
Augusta—W. Brown.
Elizabethtown—H. Lane; G. Bissell, Supernumerary.
Furnessville—G. Jones.
Crosby—Daniel Pomroy.
Rideau—J. D. Boll.
Matilda and Stormont—J. W. Sills, A. Hunt; M. Davy, Supernumerary.
Winchester—Daniel Smith.
Ottawa and La Chute—D. N. Robinson, C. W. Lent; J. McNally, Supernumerary.
Ottawa City—C. Manson.
Westmeath—James Smith.
Bonina Cheur and Eganville—J. P. Sparrow; E. J. Feelford.

Primitive Methodist Church in Canada.

The Conference of 1856, to be held at Hamilton, April 11.
 T. Adams, President.
 E. Barras, Secretary.

TORONTO DISTRICT.

Toronto—E. Barras.
Yorkville—R. Cade.
Flabcocke—J. Garner, W. Gledhill, W. Jolley, Sup.
Markham—J. Lacey, T. Foster, J. Clarke.
Darlington—J. Edgar.
Albion—J. Natrass, J. Haldershaw.
Scarboro'—R. Poulter.
Reach—W. Lylo, W. Cooke.
Kingston—T. Crompton, J. Markham.
Portland—J. Simpson, J. Milner.
Napanee—G. Wood.
Montreal—

HAMILTON DISTRICT.

Brampton—R. Boyle, R. Stevenson;
Hamilton—W. Roe.
Walspole—W. J. Dean, R. Paintin, J. G. Montgomery.
Glendon—W. Newton.
Galt and Guelph—J. Davison, R. Paul.
Orangeville—T. Dudley.
Pel & Wellesley—S. Drifill, J. G. Montgomery, R. Paintin, J. R. Swift, J. Fowler, Sup.
Woodstock—R. Parsons.
London—W. Stephenson, R. Stephenson.
Paris and Brantford—T. Adams.
Brant—W. Lomas.
Desanquet—J. Ryder.
St. Vincent—T. Natrass.

Congregational Denomination.

The Annual Meeting of the Congregational Union of Canada, will be held in Hamilton, on the Second Wednesday in June, 1856.
 W. F. Clarke, London, Chairman of Union.
 Kenneth M. Fenwick, Kingston, Secretary and Treasurer.
Abbotsford & Granby—G. B. Beecher.
Abbot—J. Wheeler.
Belleville—H. D. Powis.
Brantford—J. Wood.
Brook—
Brockville—J. Fraser.
Brome & Oronoville—S. Rattray.
Bowmanville—Thomas Reikie.
Caledon—R. J. Williams.
Chinguacousy—John McLean.
Obourg—Thomas Snell.
Cold Springs—William Hayden.
Gulpoys Bay—Sky.

Danville & Skipton—A. J. Parker.
Durham—D. Dunkerley.
Eaton—E. J. Sherrill.
Elora—James Middleton.
Eramosa—Enoch Barker.
Esqueving—J. Armour.
Georgetown, Trafalgar, Churchtown, and Stewarttown—J. Unsworth.
Georgetown & Polton—L. P. Adams.
Glanford—
Hawkesbury—E. A. Noble.
Hamilton—E. Ebbs.
Indian Lands, Glengary—J. Campbell.
Inverness—
Kingston—K. M. Fenwick.
Lanark, 1st Church—R. K. Black.
Lanark Village—H. Lancashire.
London—W. F. Clarke.
Markham—J. B. Robinson.
Martintown—J. McKilloan.
Melbourne—Thomas Bayne.
Montreal, 1st Church—H. Wilkes, D.D.
Montreal, 2nd Church—
Newcastle—
Newmarket—T. Baker.
Nitawassaga—N. McKinnon.
Norwood—
Owen Sound—L. Krita.
Oro—A. Raymond.
Paris and Burford—J. Vincent.
Phillipsburgh—J. Buckham.
Port Sarnia—
Port Stanley—
Quebec—W. H. Hugh de Burgh.
Russellstown—G. Ritchie.
Saugen—J. Johnson.
Scotland—William Hay.
Simcoe—Samuel Harris.
Sherbrooke—J. Robertson.
Springford—H. Denny.
Smithwood—W. Burgess.
Stanstead (North)—R. V. Hall.
St. Andrews—A. Sim, M.A.
St. Francis—P. P. Osunkhrlhine.
Stouffville—J. Durrant.
Stratford—S. Snider.
Toronto, 1st Church—
Toronto, 2nd Church—F. H. Marling.
Toronto Theological Institute—A. Lillie, D.D., and A. Wickson, M.A.
Vaughan—A. J. Jupp.
Warwick—D. McCallum.
Windsor—
Witley—J. T. Byrne.

Ministers without stated charges—H. Wilson, Missionary, St. Catharines; J. Nall, Agent of Tract Society, Brantford; W. P. Wastell, Agent French Canadian Missionary Society; John Roaf, Toronto; W. Clarke, London; John Climie, Bowmanville; S. King, Hamilton; S. Ward, Toronto; T. Searlight, Norwood; W. Allworth, J. Hay.

Canada Christian Conference.

Conference meets at Oshawa, on the last Wednesday in June, 1856.
 G. W. Colston, President; J. W. Collins, Secretary, Newmarket.
Oshawa—Thomas Henry and J. R. Hoag.
Brougham—J. W. Sharard; Jehiel Churchill.
Bowmanville—Jesse Yancamp.
Bondhead—Hiram Hayward.
Brooklin—G. W. Colston, L. C. Thomas.
Witley—B. F. Perry.
Castleton—Elisha Alger.
Grafton—J. W. Noble, J. L. Russ, B. L. Bradley.
Gormley's Corners—John Macklem.
Newmarket—H. H. Willson.
Queensville—Squire Morton.
Keswick—Jesse Tatton, C. P. McMillan.
Newhope—F. B. Rolf, Wm. Henry.

Stratfordville—John Earl.
Little Britain—N. C. Earl.
Beverly—Joseph Godkin.
Scotland—Charles Hayner.
Burgessville—Sylvanus Nicholls.
Allensville—J. Liburtis.

Bible Christian Church in Canada West.

Conference meets at Gudeboard, Hope, the First Thursday in June, 1856.

COBOURA DISTRICT.

Cobourg—J. B. Tapp, Chairman, J. Plinch, J. Hughes, J. Langdon, Supernumerary.
Peterborough—John Hodgson.
Dummer—Henry Stevens.
Huntingdon—T. Green.
Seymour—A. Morris.
Hungerford—A. Doble.

BOWMANVILLE DISTRICT.

Darlington (East)—W. Hooper, S. P. Robins.
Darlington (West)—H. Ebbott, J. Hooper.
Mariposa—J. H. Fynon, R. Miller.
Pickering—P. Robins, Chairman; T. Hull.

HURON DISTRICT.

Mitchell—R. Hurley, Chairman; T. Robbins.
Ushore—J. Williams, J. Dix.
Clinton—J. Edwards, D. Cantlin.
London—R. L. Tucker.
Without Charge—G. Hayeroff.

Baptist Denomination.

South Monaghan—James Baird.
Cooticook—Joseph Chandler.
Mount Elgin—W. B. Chapel.
Montreal—Benjamin Davies, Ph. D.
Pictou—Alexander Dick, M.A.
Toronto—James Dick, Robert Dick, Alexander Lorimer.

Clarence—John Edwards.
Peterboro—John Gilmour.
Brougham—Thomas Gostick.
Simcoe—Charles Hallam.
Woodstock—W. H. Landon.
Quebec—David Marsh.
Owen Sound—Peter McDonald.
Weston—Malcom McVickar.
Nithburg—Walter Milne.
Interpict—L. S. Parnelee.
Peterboro—E. Roberts.
Cobourg—Samuel Tapscott.

Ministers who affiliate with the preceding, yet wish to avoid all sectarian names.

Weston—James Brooku.
Brampton—William Millard.

Regular Baptist Denomination in Canada.

Amherstburg—A. Bingel & I. J. Rice.
Ancaster—Elijah Clarke.
Arthur—Walter Miller.
Artesia—Thomas J. Jones.
Augusta—Robert Hamilton.
Aylmer—Joseph Clutton.
Barnston—C. E.
Bastard—Alexander Anderson.
Beamsville—William Hewson, A.M.
Berlin—Henry Schneider.
Beverly—Ephraim Smith.
Birchbrook—Job Mossom.
Blenheim—David Currey.
Bloomburg—James Stothard.
Boston—C. H.—Thomas R. Owen.
Desanquet—Alfred Chute.
Brantford—Thos. L. Davidson, A.M.
Bredolane—
Brighton—A. Snider.
Brockville—P. Schofield, M.D.

Bronze—John.
Brook—Alex.
Caledon—Hug.
Camboro—Day.
Carleton Place—
Chatham, C.
Chatham, C.
Campbell
Cuyuga—S. T.
Chester—Ju.
Cyamahe
Crosby—E. M.
Dawn—W. P.
Dereham—Ni.
Porchester—J.
Drummondville
Dundas & B.
Durham—Al.
East Oxford—
East Guilford—
East Hope—
Eaton, C.E.
Elma—Edm.
Elmsley—Du.
Esqueving—J.
Farmersville—
Fingal—Abr.
Fort Hill—J.
Freestville—J.
Fredericksburg
Gananoque—
Godmanchester
Gosford—Tho.
Grande Ligne
Roux, & T.
Haldimand—
Hamilton—A.
Harford—Ja.
Hawkesville—
Henryville, C.
Hillsburg—Jo.

Anherst, J.
Amherstburg
Bath, W. F.
Beauce, T. J.
Belleville, S.
Brantford, S.
Brighton, J.
Brockville, S.
Bruce, J. J.
Bytown, S.
Chatham, S.
Chippewa, S.
Clarenceville
Cobourg, S.
Cornwall, S.
Coteau du Lac
Dickinson's L.
Dunnville, W.
Dundas, S.
Dundas, J. C.
Elgin, A. Mc

Almonds, C.
Prunes an
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Acids, Stron
Nitric, Ox
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Alabaster B
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Church in West.

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in June, 1856.

TRICT.
p. Chairman, J.
J. Langdon, Su-

Hodgson.
vens.
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le.
DISTRICT.
W. Hooper, S. P.

L. Ebbott, J. Hoo-

on, R. Miller.
s, Chairman; T.

TRICT.
y, Chairman; T.

s, J. Dix.
s, D. Cantlin.

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Hayercroft.

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James Baird.

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Chapel.

n Davies, Ph. D.
Dick, M.A.

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Davidson, A.M.

r.
field, M.D.

Bronie—John Oakley.
Brook—Alexander McIntyre.
Caledon—Hugh Held.
Danboro—David Way.
Orleton Place—L. Holcroft.
Chatham, C.E.—John King.
Chatham, C.W.—H. H. Hawkins, A.
Campbell & S. White.
Clyuga—S. T. Atkins.
Whester—Jacob Her & G. Simpson.
Cramahe—
Crosby—E. McFarthin.
Dawn—W. P. Newman.
Dereham—Mark W. Hopkins.
Doychester—Job Gibson.
Drummondville—John Roberts.
Dundas & E. Plamboro—I. J. Hollo.
Durham—Alexander Stewart.
East Oxford—Edward Topping.
East Guelph—
East Hope—Milne S. Bagley.
Edon, C.E.—Archibald Gillies.
Elma—Edmund R. Phillips.
Elmsley—Duncan McNab.
Esquesing—J. Clark & T. Pickard.
Farmersville—Hugh Nichols.
Fingal—Abram Duncan.
Fort Hill—J. W. Pritchard.
Freestville—Jonathan Williams.
Fredericksburgh—W. McClellan.
Gananogue—J. Cheetham.
Godmanchester—James Green.
Gosfield—Thomas Corlett.
Grande Ligne—L. Normandeau, C.
Roux, & T. Relndeau.
Haldimand—Daniel Walt.
Hamilton—A. Booker & P. Broadwater.
Hartford—Jacob Van Loon, Sen.
Hawkesville—James Sim.
Henryville, C.E.—James N. Williams.
Hillsburg—John Clarke.

Houghton—William McDermald.
Howick—William Hulbert.
Ingersoll—W. C. Beardsall.
Kempville—W. K. Anderson.
Kincardine—William Frazer.
King—
Kingston—Thomas H. Faecor.
Lawrenceville—George Wilson.
Leeds—Abel Stevens.
Lobo—William Wilkinson, A.M.
Lochaber—John Edwards.
London—C. Campbell & D. A. Turner.
Malahide—Shook McConnell.
Mariposa—Malcombe Gillespie.
Markham and Pickering—C. G. Pur-
rott.
McGillivray—W. George, Thos. Paul.
Mersea—Robert Herriugton.
Montreal—T. R. Jones, Narcisse Cyr.
Newmarket—Vacant.
New Sarum—Abram Smith.
Niagara—F. Lacey.
North East Hope—W. L. Bally.
Norwich—W. McClellan.
Oakland—William Haviland.
Onondaga—J. Painter, W. Hooper.
Onondaga Village—B. H. Carryer.
Oro—Hector McLean.
Osgoode—Daniel McPhail.
Osnabruck—Vacant.
Paris—John Nesbit.
Pelham—S. W. Folger.
Perth—Vacant.
Port Hope—H. Lloyd, A.B.
Port Rowan—Heman Flitch.
Port Ryerse—George J. Ryerse.
Rawdon—William Geary.
Reach—W. Hurlburt, J. Holman.
Sandwich—S. Robinson—H. Brown.
Scotland and Burford—John Winter-
bottom.

Sidney—
Silver Hill—George Curtis.
Simcoe—Abram Austin.
St. Andrews, C. E.—J. Dempsey.
St. Catharines—J. E. Ryerson.
St. George—William Smith.
St. Mary's, C. E.—Louis Roussay.
St. Pie, C. E.—Theodora Lathour.
St. Thomas—D. W. Rowland.
Stanbridge—C. E. F. N. Jersey.
Stantead—E. Mitchell.
Tilsbury—H. A. Conrad.
Toronto—James Pyper, D.D.
Tuscarora—James N. Cusick.
Villa Nova—J. Goble, and J. Van
Loon, Jun.
Villoria—Charles Walker.
Walpole—Thomas Stillwell.
Waterford—Aaron Slaght.
Waterloo—George Patten.
Whitby—John Geryle.
West Oxford—H. E. Ford.
Woodstock—J. Cooper, G. Duncan.
Woodville—Burton H. Curtis.
Yarmouth—Thomas Mills.
Yonge Street—J. Gooderham.
Zone Mills—Alexander M. Faecy.

Ministers without Pastoral Charges—
Anthony Scott, Agent of Missionary
Convention; Jno. Cameron, Francis
Pickle, Blenheim; John Harris,
Mount Pleasant; Samuel Read,
Brantford; W. Jackson, do.; S.
Baker, Htnerant; Daniel Wright,
Htnerant; J. S. Cox, Htnerant; Z.
W. Caulfield, Boston, C. W.; P. Fair-
childs, do.; J. Rainboth, Indian
lands; T. H. Thompson, Htne-
rant.

COLLECTORS OF CUSTOMS, CANADA.

Those marked thus * are Warehousing Ports.

Amherst, * J. J. Fox.
Amherstburgh, * E. Anderson.
Bath, W. J. Fairfield.
Beauce, T. Taschereau.
Belleville, * S. S. Finden.
Brantford, * D. Curtis, Jr.
Brighton, J. Verner.
Brookville, * W. B. Simpson.
Bruce, * J. J. Penefather.
Clytown, * Duncan Graham.
Chatham, * W. Cosgrove.
Chippewa, * F. H. Haycock.
Clarenceville, Chas. Stewart.
Cobourg, * W. H. Kitson.
Cornwall, * G. C. Wood.
Coteau du Lac, P. E. Walter.
Dickenson's Ely, R. H. Bullock.
Dunnville, W. B. Sheehan.
Dundas, * W. B. Gwyn.
Dundee, J. Cameron.
Elgin, A. McMillan.

Fort Erie, T. Kerby.
Frelighsburg, A. Kemp.
Gananogue, Wm. Brough.
Gaspé, * J. C. Belleau.
Goderich, * D. Lawson.
Grafton, * S. S. Walsh.
Georgeville, C. Bullock.
Hamilton, J. Davidson.
Haltowell or Finton, * J. Roblin.
Hemmingford, C. N. Johnson.
Hersford, R. Vincent.
Huntingdon, James Botham.
Kingston, * James Hopkirk.
Lacolle, T. Gordon.
L'Isle Verte, * J. W. Heath.
Maitland, * D. Jones.
Maria Town, A. McDonnell.
Montreal, * T. Bouthillier.
Napanee, Henry Aton.
Niagara, * T. McCormick.
New Carlisle, John Fraser.

Newcastle (B. Head)—Smith.
Oakville, R. K. Chisholm.
Oshawa, C. Walsh.
Owen Sound, W. Stephens.
Penetanguishene W. Simpson.
Phillipsburg, P. P. Russell.
Prescott, A. Jones.
Port Burwell, J. P. Bellairs.
Port Cramahe, A. Lennon.
Port Saugene, J. McLean.
Port Trenton, A. Macaulay.
Port Coaticook, * J. Thompson.
Port Credit, W. Donohue.
Port Colborne, * T. Parke.
Port Darlington, D. Fisher.
Port Dalhousie, * J. Clark.
Port Dover, * E. Webster.
Port Hope, * M. Whitehead.
Port Milford,
Port Morrisburg, A. M'Donell.
Port Sutton, B. Seaton.

Port Sarvia, * T. Forsyth.
Port Stanley, * R. Smith.
Port Rowan, G. J. Reade.
Potton, J. H. McVay.
Queensston, * P. B. Clement.
Quebec, * J. W. Dunscomb.
Russelton, J. Davidson.
Riviere aux Raisins, W. Ro-
binson.
Rondeau, George Duck.
Rimouski, S. Gauvreau.
Sandwich, * J. F. Elliott.
Sault Ste. Marie, * J. Wilson.
Stantead, J. Thompson.
St. Regis, G. R. Andry.
St. Johns, * W. McCrae.
Stamford, * G. McMicken.
Toronto, * W. F. Meudell.
Willaceburgh, John Bell.
Willington, J. R. Yelding.
Whitby, W. Warren.

TARIFF OF CUSTOMS.

	Specific.	Ad Val.
Almonds, Currants, Figs, Nuts, Raisins,		
Prunes and other Dried Fruits.....	1d p lb.	
All Unenumerated Spices	3d p lb.	
Allspice	1d p lb.	
Acids, Strong Fluid, Including Muratic,		
Nitric, Oxalic, and Sulphuric	2½	
Alum	2½	
Alabaster Busts, Casts of	Free	
Anchors	Free	
Animals, of all kinds.	Free	
Anatomical Preparations	Free	
Antiquities, Collections of.....	Free	
Apparel, Wearing, In use of parties coming		
to settle In the Province	Free	
Apparel, Wearing of British Subjects dying		
abroad.....	Free	
Apparatus, Philosophical	Free	

	Specific.	Ad Val.
Army and Navy Arms, Amunition and		
Clothing for	Free	
Ashes, Pot, Pearl and Soda	Free	
Agricultural Utensils (see Farming Utensils)		
Artificial Slate and Metallic Paint, being		
the produce and manufacture of Nova		
Scotia, when imported direct from Great		
Britain or British North American Colo-		
nies only	Free	
Artificial Flowers.....		12½
All Goods, Wares and Merchandises, not		
otherwise charged with Duty, and not		
declared to be exempt from Duty		12½
All Packages in which the Goods are not		
usually exposed for sale, or which do not		
necessarily or generally accompany the		
Goods when sold	Free	

	Specific. Ad Val.		Specific. Ad Val.
Axles, Rough	2½	Clay, Fire and Pipe.....	Free
Axles and Wheels, for Railway purposes only	2½	Coal and Coke	Free
Ammunition, Arms, Utensils of War, except from Great Britain and British Possessions	Prohibited.	Cordage, of all kinds	Free
Brandy, the gallon	3s 0d	Copper, in bar, rod or sheet	Free
Bar Iron.....	2½	Cotton and Flax, waste	Free
Bar, Railroad.....	2½	Cotton Wool	Free
Blue, Ultra Marine and Paste	2½	Cars (see Locomotives).	
Bleaching Powder.....	2½	Cheese	Free
Boiler Plates	2½	Chocolate and Cocoa Paste, the produce of, and when imported direct from Great Britain and British North American Colonies only.....	Free
Borax	2½	Chocolate, &c., from other Countries	12½
Brimstone or Rolt Sulphur.....	2½	Candy (see Sugar).	
Brick, Fire.....	2½	Casks, Ships Water	Free
Brass, Pig or Sheet	2½	Carpenter's Tools, Wood for manufacture of	Free
Brass and Copper Tubes, when Imported for Locomotives only.....	2½	Cocoon Oil	Free
Bark	Free	Copyrights, Works, Foreign Re-Prints of British	12½
Barley and Barley Meal.....	Free	Commissariat Stores	Free
Berries, used in dyeing	Free	Copper Tubes (see Brass).	
Busts and Casts of Alabaster, Bronze, Plaster of Paris and Marble	Free	Crushed Sugar (see Sugar.)	
Botany, Specimens of.....	Free	Crates, containing Glassware and Earthenware	Free
Beer and Bigg	Free	Confectionary, of all sorts	12½
Books of Immoral or Indecent character.....	Prohibited.	Currants, per lb.	1d
Books, printed (except copyright)	Free	Cotton Manufactures of all kinds	12½
Books, Copyright.....	12½	Coney Wool, and Wool, except from United States and Colonies.....	2½
Bran and Shorts	Free	Coney Wool, and Wool the produce of United States and British North American Colonies only.....	Free
Beans	Free	Draining Tiles.....	2½
Bristles	Free	Donations of Clothing, for Gratuitous Distribution by Charitable Societies	Free
Broom Corn	Free	Drawings, Paintings and Lithographs	Free
Bronze, Busts and Casts of	Free	Drugs and Woods, used solely for Dyeing	Free
Burr Stone, unwrought.....	Free	Dye-Staffs of all kinds, the produce of United States only.....	Free
Burr Stone, hewn, wrought or unwrought, the produce of and from United States only	Free	Drawings, of immoral or indecent character, Earths and Ochres, the produce of, and from British North American Colonies only	Free
Burr Stone, wrought, from other Countries	12½	Earths and Ochres, from all other countries, Engravings and Etchings	Free
Bunting	Free	Eggs, the produce of, and from the United States only	Free
Bulbs and Roots	Free	Eggs, from other countries	12½
Bullion and Coins	Free	Felts	2½
Bastard Sugar (see sugar)		Fishermen's Boots	2½
Broadstuffs of all kinds.....	Free	Farming utensils and implements of husbandry, when imported by Incorporated Agricultural Societies for encouragement of agriculture	Free
Biscuit and Bread, from Great Britain and British North American Colonies only	Free	Fire Bricks	Free
Biscuit and Bread from other countries	12½	Fishing Nets and Seines	2½
Book-Binders' tools and presses, and implements of all kinds	Free	Fishing Hooks	2½
Butter	Free	Frames and Pedestals, rough from the forge, when imported for locomotives only.....	2½
Black and Bright Varnish only	Free	Fire Clay	Free
Base and Counterfelt Coin	Prohibited.	Flax and Cotton Waste.....	Free
Blasting Powder	12½	Felt Sheetting	Free
Boots, fishermen	2½	Flax, Hemp and Tow, undressed	Free
Buckwheat and Buckwheat Meal	Free	Flour	Free
Bridge and Telegraph Wire	2½	Fruit, green	Free
Burning Fluid, the gallon.....	4s 0d	Fruit, other than the produce of, and from the United States and British North American Colonies only.....	Free
Canada Plates	2½	Fruits preserved in sugar candy or molasses, Fruit, dried, from other countries, (see almonds.)	12½
Cakes, Oil	2½	Fish Oil, Fish, fresh or salted, dried or pickled, the produce of, and from Great Britain, United States and British North American Colonies only.....	Free
Cast of Bronze, Alabaster and Plaster of Paris	Free	Fish, &c., from other countries.....	12½
Cabinets of Coins.....	Free	Furs or Skins, the produce of fish and creatures living in the sea, dressed or undressed, the produce of, and when imported directly from Great Britain and British North American Colonies only.....	Free
Coffee, green, per lb.	1½d	Fur Skins, Pelts and Tails, undressed, the produce of, and from United States, Great Britain and British North American Colonies only.....	Free
Coffee, other than green, per lb.	2d	Fur Skins, dressed or undressed, from other countries	12½
Cigars per lb.	2s		
Cordials, Liqueurs, and Spirits sweetened or mixed with any other articles, per gallon	4s		
Cassia, Cinnamon, Cloves and Ginger, per lb. 3d			
Chains, Iron of all sorts (except Chain Cables)	2½		
Charcoal, made or refined	2½		
Cochineal	2½		
Copras	2½		
Connection Rods in pieces, for Locomotives only	2½		
Cotton Warp and Wick	2½		
Cranks, wrought iron, 6 cwt, and upwards	2½		
Cotton Yarn	2½		
Coin and Bullion.....	Free		
Coins, Base and Counterfelt	Prohibited.		
Collections of Antiquities	Free		
Clothing for Army, Navy and Indian	Free		
Corn, for making Brooms	Free		
Corn, Indian and Meal	Free		
Chain Cables.....	Free		
Carriages of Travellers	Free		
Caoutchouc	Free		
Cement Marine	Free		

Firewood from
and British
only.....
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Fish, &c. fish
Wigs, the lb.
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Ginger, Cass
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Specific. Ad Val.		Specific. Ad Val.		Specific. Ad Val.	
Free	Firewood from Great Britain, United States, and British North American Colonies only.....	Free	Lard	Free	Logs, Saw
Free	Firewood from all other countries.....	12½	Limbe Water	Free	Limbe Water
Free	Fish, products of, and of all creatures living in the water, the produce of, and from United States only.....	Free	Limbe, the produce of, and from British American Colonies only.....	Free	Limbe, the produce of, and from British American Colonies only.....
Free	Fish, &c. fish from other countries	12½	Lumber, (see Timber.)	12½	Lumber, (see Timber.)
Free	Figs, the lb.	1d.	Locomotives, Passengers, Baggage & Freight Cars, running upon any lines of Railroad, crossing the frontier	Free	Locomotives, Passengers, Baggage & Freight Cars, running upon any lines of Railroad, crossing the frontier
Free	Green Coffee, the lb.	½d.	Locomotives &c., &c., others	12½	Locomotives &c., &c., others
12½	Genever or Gin, or other Spirits, or Strong Water, not being whisky, rum, or brandy, the gallon	2s. 6d.	Liqueurs, Cordials and Spirits sweetened or mixed with any other articles, per gall. ..	4s.	Liqueurs, Cordials and Spirits sweetened or mixed with any other articles, per gall. ..
Free	Galvanized Iron	2½	Linen Manufacture	12½	Linen Manufacture
Free	Grains, of all kinds	Free	Mace and Nutmegs, the lb.	7½d.	Mace and Nutmegs, the lb.
Free	Ginger, Cassia, Cinnamon, Cloves, the lb.	3d.	Macaroni and Vermicelli, the lb.	1d.	Macaroni and Vermicelli, the lb.
12½	Grindstone and Stones, of all kinds, the produce of, and from United States and British North American Colonies only....	Free	Marble, in blocks and slabs, unpolished....	Free	Marble, in blocks and slabs, unpolished....
Free	Grindstones, &c., from other countries.....	12½	Marine Cement.....	Free	Marine Cement.....
Free	Green Fruits.....	Free	Maps and Engravings.....	Free	Maps and Engravings.....
Free	Gems and Medals	Free	Manures of all kinds	Free	Manures of all kinds
Free	Grease and Scraps	Free	Marble Busts	Free	Marble Busts
12½	Gypsum, ground or unground, the produce of, and from Great Britain, United States, and B. N. American Colonies only.....	Free	Meals of all kinds	Free	Meals of all kinds
12½	Gypsum, &c., from other countries.....	12½	Medals and Gems	Free	Medals and Gems
2½	Goods, unenumerated.....	12½	Metal, Ores of all kinds of.....	Free	Metal, Ores of all kinds of.....
Free	Gunpowder, except from Great Britain, or British possessions only.....	Prohibited.	Metal, yellow, bar, sheet or rod	Free	Metal, yellow, bar, sheet or rod
2½	Hams	Free	Metal, type in blocks or pigs.....	Free	Metal, type in blocks or pigs.....
Free	Hooks, Fishing.....	2½	Metallic Paint, (see Artificial, &c.)	Free	Metallic Paint, (see Artificial, &c.)
Free	Hoop, Iron.....	2½	Models of Machinery, and other inventions and improvements in the arts.....	Free	Models of Machinery, and other inventions and improvements in the arts.....
Free	Hoop or Tyre, for driving wheels, bent or welded, for locomotives only.....	2½	Meat of all kinds.....	Free	Meat of all kinds.....
Free	Hemp, Flax and Tow, undressed.....	Free	Machinery for the Manufacture of doors, window-sashes, blinds, and other wood-works for building purposes.....	2½	Machinery for the Manufacture of doors, window-sashes, blinds, and other wood-works for building purposes.....
Free	Hemp, Yarn, Russia	Free	Moulds and Shares, for Ploughs.....	2½	Moulds and Shares, for Ploughs.....
Prohibited.	Hides	Free	Mineralogy, specimens of.....	Free	Mineralogy, specimens of.....
Free	Household effects in use, of persons coming to settle in the Province, or of British subjects dying abroad.....	Free	Musical Instruments (see Instruments.) ..	2½	Musical Instruments (see Instruments.) ..
Free	Hay and Hops.....	Free	Muriatic Acid	2d.	Muriatic Acid
12½	Horns, the produce of, and from Great Britain, United States, and British North American Colonies only.....	Free	Molasses the gallon.....	2d.	Molasses the gallon.....
Free	Horns, from other countries.....	12½	Merchandise, unenumerated	12½	Merchandise, unenumerated
2½	Hardware manufactures	12½	Navy and Army Arms, Clothing, &c. for...	Free	Navy and Army Arms, Clothing, &c. for...
2½	Indigo	Free	Natural History, specimens of.....	Free	Natural History, specimens of.....
2½	Instruments, philosophical	Free	Nets, Old	Free	Nets, Old
2½	Implement, and Tools of trade, of handycraftmen	Free	Nets and Seines, Fishing.....	2½	Nets and Seines, Fishing.....
Free	Iron, Pig	Free	Nitre Acid.....	2½	Nitre Acid.....
Free	Iron Chains of all sorts, except chain cables	2½	Nitre and Salt Petro.....	2½	Nitre and Salt Petro.....
Free	Iron Bar, sheet or rod.....	2½	Nuts, used in Dyeing.....	Free	Nuts, used in Dyeing.....
Free	Iron Hoop	2½	Nutmegs and Mace, the lb.	7½d.	Nutmegs and Mace, the lb.
Free	Iron, Galvanized	2½	Nuts, Prunes, Raisins, and other Dried Fruits, the lb.	1d.	Nuts, Prunes, Raisins, and other Dried Fruits, the lb.
Free	Iron Moulds and Shares, (plough)	2½	Oil Paintings	Free	Oil Paintings
Free	Iron, Roll Plate, from ¼ inch to 1½ inch in thickness	2½	Oil, Cocoonut, Palm and Pine.....	Free	Oil, Cocoonut, Palm and Pine.....
Free	Iron, Old and Scraps.....	2½	Oil, Fish, the produce of, and from Great Britain, United States, and British North American Colonies only.....	Free	Oil, Fish, the produce of, and from Great Britain, United States, and British North American Colonies only.....
Free	Iron, Round and Square, from 4 inches and upwards, suitable for shafts and other parts of Machinery.....	2½	Oil, Fish, from other countries.....	12½	Oil, Fish, from other countries.....
Free	Ink, Printing	Free	Oakum and Junk.....	Free	Oakum and Junk.....
Free	Instruments, Musical, specially imported for use of Military Bands.....	Free	Ores, of all kinds of Metals.....	Free	Ores, of all kinds of Metals.....
Free	Immoral and Indecent Books or Drawings, Implements of Husbandry, imported by Incorporated Agricultural Societies	Prohibited.	Old Nets and Ropes.....	Free	Old Nets and Ropes.....
12½	Indian Corn and Meal	Free	Oats and Oatmeal.....	Free	Oats and Oatmeal.....
Free	Junk and Oakum	Free	Ochres, the produce of, and from British North American Colonies only.....	Free	Ochres, the produce of, and from British North American Colonies only.....
Free	Johns' and Carpenters' Tools, Wood for...	Free	Ochres, &c., from other countries.....	12½	Ochres, &c., from other countries.....
Free	Lithographs and Drawings	Free	Oxalic Acid	2½	Oxalic Acid
Free	Lead, Pig and Sheet	Free	Oil-Cakes	2½	Oil-Cakes
12½	Lines, Twines and Cordage of all kinds.....	Free	Ore, Dressing Machines	2½	Ore, Dressing Machines
			Old Iron.....	2½	Old Iron.....
			Ordnance Stores	Free	Ordnance Stores
			Packages.*	Free	Packages.*
			Paint, &c., (see Artificial Slate.)	12½	Paint, &c., (see Artificial Slate.)
			Paint, other	2½	Paint, other
			Paper, Printing	Free	Paper, Printing
			Paintings	Free	Paintings
			Pastes, (see Blue.)	Free	Pastes, (see Blue.)
			Philosophical Instruments and Apparatus, ..	Free	Philosophical Instruments and Apparatus, ..
			Pot Ashes	Free	Pot Ashes

* It is ordered that the following packages be chargeable with duty, viz: all Packages containing Spirits, Wines, Cordials or Liquids of any kind in Wood, Bottles, Flasks; and all packages of Glassware or Earthenware, Sugar, Molasses, Syrups, Treacle, Coffee, Rice, Tobacco, Flour, Provisions, and no deduction to be allowed for the weight or value of the paper or string covering Sugar, &c. All Packages containing Soap, Candles, Pipes, Nails, Chains, Paints, Spices, Nuts, Vermicelli, Macaroni, Glass, Tin, Canada Plates, Tins, Trunks and Jars containing merchandise, and all other Packages in which the goods are usually exposed for sale, or which necessarily or generally accompany the goods, when sold. And that the following Packages are to be exempt from the payment of duty, viz: Bales, Trusses, Cases covering Casks of Wines or Brandy in Wood, Cases and Casks containing Dry Goods, Hardware or Cutlery, Crates and Casks containing Glassware or Earthenware, Cases containing Bottled Wines or Bottled Spirits, and all other Packages in which the goods are not usually exposed for sale, or which do not necessarily or generally accompany the goods when sold.

	Specific. Ad Val.		Specific. Ad Val.
Pearl Ashes	Free	Steel	2 1/2
Pig Iron	Free	Spelter	2 1/2
Pipe Clay	Free	Sugar, refined in loafs, crushed or candy, or other Sugar rendered equal thereto by any process, the cwt.	12s
Pig Lead	Free	Sugar, white and brown, clayed or yellow basted sugar rendered by any process equal in quality thereto, the cwt.	8s 6d
Printer's Ink, Presses, Types, and Imple- ments, of all kinds	Free	Sugar—raw, and other kinds not being equal to white or brown, clayed or yellow, basted sugar, the cwt.	6s 6d
Plaster of Paris, Manures	Free	Snuff, the cwt.	4d
Plaster of Paris, Busts and Casts of	Free	Sweet-Meats or fruits preserved in sugar, candy, or Molasses, & other confectionary Spirits (see Gin and Cordials)	12 1/2
Poss	Free	Silk, Manufacture	12 1/2
Pitch	Free	Spices, unenumerated	3d
Pelts, (see Furs)	Free	Tar	Free
Plants	Free	Tallow	Free
Powder, Blasting	2 1/2	Teazles	Free
Plate, Boiler	2 1/2	Tcw, undressed	Free
Plate, Canada	2 1/2	Tools of Trade or Handycraftsmen	Free
Plough Shares and Moulds	2 1/2	Tools, Bookbinders, and Implements of all kinds	Free
Plate, Iron	2 1/2	Tools, wood for	Free
Phosphorus	2 1/2	Type Metals in Blocks or Pigs	Free
Prussiate of Potash	2 1/2	Types, Printing	Free
Prepared Rigging	2 1/2	Tails (see furs)	Free
Preparations, Anatomical	Free	Trees and Shrubs	Free
Podestals (see Frames)	Free	Tree-nails	Free
Preserves	12 1/2	Twines and Limes	Free
Printed Books, (except Copyrights)	Free	Timber and Lumber of all kinds, the pro- duce of, and from Great Britain, United States, and B. N. American Colonies only	Free
Printing Paper	2 1/2	Timber and &c., from other countries	12 1/2
Prunes, Raisins, Figs, and Nuts, the pound	1d	Turpentine, the manufacture of, and from United States only	Free
Pimento, All-spice, and Pepper, the pound	1d	Turpentine from other countries	12 1/2
Pine and Palm Oil	Free	Tobacco, unmanufactured, the produce of, and from United States only	Free
Potash, Prussiate of	2 1/2	Tobacco, manufactured or unmanufactured, other than cigars and snuff, from all countries, except unmanufactured from United States, the lb.	2d.
Quince (see Fruits)	Free	Tobacco, Cigars, the lb.	2s.
Rags	Free	Tobacco, Snuff, the lb.	4d.
Railroad Bars	2 1/2	Tea, the lb.	2d.
Rigging of Ships, prepared	2 1/2	Tyre or hoop for driving wheels, bent or welded, rough from the forge, for loco- motives only	2 1/2
Rods Connecting (see Connection Rods)	2 1/2	Telegraph Insulators, Relay, Magnets, Re- corders and Batteries	2 1/2
Rod Iron	2 1/2	Telegraph and Bridge Wire, when <i>bona fide</i> imported to be used as such in Canada	2 1/2
Roll Sulphur or Brimstone	Free	Tin	2 1/2
Roots and Bulbs	Free	Tiles, draining	2 1/2
Ropes of all kinds	Free	Tubes of all kinds (except brass and copper)	12 1/2
Rosin and Rosin	Free	Ultra Marine and Paste Blue	2 1/2
Russia Hemp Yarn	Free	Undressed Skins, (see Furs)	Free
Rye and Rye Meal	Free	Undried Fruits and Dried Fruits, the pro- duce of, and from British North American Colonies and United States only	Free
Rock Salt	Free	Undried Fruits & Dried Fruits, (see fruits.) Utensils, (see farming utensils.)	Free
Rice, the produce of, and from United States only	Free	Vinegar, the gallon	3d.
Rice, from all other countries	12 1/2	Vitriol	2 1/2
Rum, the gallon	1s 8d	Vegetables	Free
Raisins, Nuts, Prunes, &c., the lb.	1d	Vegetables used in dyeing	Free
Raw Coffee, the pound	1/2d	Veneers	Free
Refined or made Charcoal	2 1/2	Varnish, Black and Bright only	Free
Refined Sugar (see sugar)	2 1/2	Varnish, other	12 1/2
Saltpetre and Nitre	2 1/2	Vermicelli and Macaroni, the lb.	1d.
Sal Ammoniac	2 1/2	Wines and Merchandise not enumerated	12 1/2
Sails	2 1/2	Warp Cotton	2 1/2
Salt and Rock Salt	Free	Water Lime	Free
Sawlogs	Free	Wine of all kinds, in wood or other vessels, not being in bottles, not exceeding in value £15 on the Pipe of 126 gallons, the gallon	1s. 6d.
Sawcloth	Free	Wine exceeding £15 on the Pipe of 126 gal- lons, the gallon	1s. 6d.
Seeds, of all kinds	Free	Wines of all kinds, in bottles, per doz. qts.	7s. 6d.
Soda-ash	Free	Wines, per dozen pints	3s. 9d.
Specimens of Botany	Free	Wines for Officers' Mess	Free
Specimens of Natural History	Free	Whisky, the gallon	5d.
Specimens of Mineralogy	Free	Wrought Iron, wheels and axles for railway purposes only	2 1/2
Shorts or Bran	Free		
Stone in its crude or unwrought state, the produce of and from United States and British North American Colonies only ...	Free		
Stone, &c., from other countries	12 1/2		
Ships Water Casks, in use	Free		
Scraps and Grease	Free		
Skins (see furs)	Free		
Shrubs and Trees	Free		
Slate, the Produce of and from United States only	Free		
Slate, from all other countries	2 1/2		
Slate, Artificial (see artificial slate)	Free		
Sheet Lead	Free		
Spirit of Turpentine (see Turpentine)	Free		
Straw, from British North American Colo- nies only	Free		
Straw, from other places	12 1/2		
Bottlers Effects, in use	Free		
Sulphuric Acid	Free		
Straps, for Walking Beams	2 1/2		
Selnes and Nets	2 1/2		
Scrap Iron	2 1/2		
Sheet Iron	2 1/2		
Shellac	2 1/2		
Spike-rods	2 1/2		

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RAILWAYS.*

GRAND TRUNK RAILWAY.—*Directors in London*, Thomas Baring, Esq., M.P., George C. Glynne, Esq., M.P., H. Wolleston Blake, Esq., Robert MacAlmont, Esq., Kirkman D. Hodgson, Esq., William Chapman, Esq. *Directors in Canada*, Hon. John Ross, President; Benjamin Holmes, Esq., Vice-President; Hon. F. Hincks, Hon. F. Lemieux, Hon. W. Cayley, Sir A. McNab, Hon. Peter McGill, Hon. L. T. Drummond, George Crawford, Esq., M.P., W. H. Ponton, Esq., E. F. Whittemore, Esq., Henry LeMesurier; Secretary, Sir C. P. Roney; Assistant Secretary, J. M. Grant; Engineer, A. M. Ross; Assistant Engineer, Samuel Keefer; General Manager, S. P. Bidder; Accountant, W. W. A. Davies; Secretary's and General Manager's Offices, 22, Little St. James Street; Engineer's Office, Gosford Street, Montreal.

ONTARIO, SIMCOE AND HURON, RAILROAD.

Monthly Comparative Statement of Earnings of the above Company, from 1st April to 13th October, Years 1854 and 1855.

Month.	From 1st April to 13th October, 1855, 94 miles open.					From 1st April to 13th October, 1854, 63 miles open.					Increase in 1855.	Earnings per mile per month in 1855.	Earnings per mile per month in 1854.	Increase in 1855.
	No. of Pas- sengers.	No. of Tons Freight.	Earnings from			No. of Pas- sengers.	No. of Tons Freight.	Earnings from						
			Passen- gers.	Freight &c.	Total.			Passen- gers.	Freight &c.	Total.				
April.....	12535	3092	\$639.56	\$5705.33	\$2344.89	8960	2254	\$432.31	\$398.93	\$731.24	\$1561.65	\$258.99	\$138.58	\$120.41
May.....	14075	7908	\$1573.00	\$1597.31	\$2770.31	10094	3370	\$634.95	\$409.70	\$1044.65	\$1572.66	\$284.78	\$175.31	\$109.47
June.....	19987	8879	\$9540.05	\$8823.16	\$38363.51	13415	5290	\$7151.31	\$6799.40	\$13950.71	\$2412.80	\$408.03	\$19.20	\$188.83
July.....	17440	5770	\$7909.00	\$7999.33	\$2708.53	10040	2739	\$7165.53	\$4337.35	\$12002.88	\$15705.65	\$294.35	\$190.64	\$103.75
Aug.....	17830	6450	\$8206.51	\$6888.65	\$28095.16	9498	2071	\$6881.14	\$4059.36	\$10940.50	\$17154.66	\$298.91	\$173.65	\$125.26
Sept.....	21175	9729	\$2995.11	\$5763.17	\$4763.28	14012	2643	\$9413.01	\$6524.26	\$15967.27	\$2766.01	\$475.88	\$255.65	\$220.23
1st to 13th Oct., 2 Wks.	9920	4231	\$1577.65	\$340.75	\$2018.40	6403	1498	\$4349.05	\$3386.28	\$7735.33	\$13183.07	\$223.54	\$121.56	\$100.99

COBOURG AND PETERBORO' RAILWAY.—The Cobourg and Peterborough Railway was built by the inhabitants and municipality of Cobourg, under a charter obtained in November 1852; it is completed to Peterboro', a distance of twenty-eight miles, with privilege of extension up the Otanabee River to the various extensive mills now in active operation, and on which are a succession of mill privileges of vast power; also, by amended charter, to extend a branch to the Marmora Iron Works, which is now under survey. An important feature in this Railroad is the connection of the north and south shores of Rice Lake, three miles apart, by a pile and truss bridge, thus overcoming a barrier to the trade of the back country, with Cobourg its nearest port. This road did not get into working operation before 1st of June, 1855, since which there has been transported over it 18,705 tons of freight, including 9,553,161 feet of lumber and 7,254 passengers, the gross receipts for which amount to \$27,154 \$1.300ths, or, \$90.34 per mile per week.

Peterboro', the present terminus of the railway, is a town of rising importance; and in addition to its usual exports of grain and flour, must supply an immense quantity of lumber and timber from the unbroken forests surrounding and connected with it by water communication through lakes and rivers to the unsurveyed forests reaching to the sources of the Ottawa River.

Cobourg, through this connection, must rapidly increase

in population and wealth; the G. Trunk Railway Co. having purchased some seventy acres in the heart of the town, purpose establishing a central depot of more than ordinary extent. The harbour is entirely artificial, of beautiful construction and position, accessible throughout winter. This work, like the railway, is the property of the town, and is a source of rapidly increasing wealth. By the assessment in January, the property of the town was valued at £456,370 10 0

The estimated value of the harbour, as represented by last year's nett revenue of £3,500..... } 50,000 0 0
Corporation real estate..... } 5,000 0 0
Invested in the Railway..... } 125,000 0 0

Total..... £633,370 10 0
The liabilities of the Town are—
To the Municipal Loan Fund..... £125,000 0 0
To Ordinary Debentures..... 25,000 0 0
Total..... £153,000 0 0

The above works (The Cobourg and Peterboro' Railway, and Cobourg Harbour), of so much public importance, are the fruits of a well-directed local enterprise, entitling the population of the town of Cobourg, of some five thousand people, to much credit.

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. B. 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, Hon. 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. B. Macaulay. Puisne Judges, Hon. A. McLean and W. B. Richards. Clerk of the Crown and Pleas, L. Heydon. Reporter, E. C. Jones, Toronto. Clerk in Chambers, W. R. Howard, 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 last 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,

* The above, relating to some of our Canadian Railways, has been supplied by their respective Managers. It was expected that all our lines of Railway would have been noticed, but this was not deemed desirable by some of the Managers, who withheld the necessary information.

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Meaurio; Secretary, J. M. Grant; Clerk, Samuel Keefer; Infant, W. W. A. nger's Offices, 22, e, Gosford Street,

rs 1854 and 1855.

Earnings, per mile per month in 1854.	Earnings per mile per month in 1854.	Increase in 1855.
\$ 58.99	138.58	120.41
81.78	175.31	109.47
98.03	192.20	188.83
94.35	190.64	103.75
98.91	173.65	125.26
75.88	255.66	220.23
22.54	121.55	100.99

the Railway Co. have heart of the town, more than ordinary of beautiful throughout winter, property of the town, wealth. By the of the town was .. £450,370 10 0

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Peterboro' Railway, the importance, are prise, entitling the some five thousand

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Managers. It was ole by some of the

Cornwall, Bytown, L'Orignal, Brockville. Home: Niagara, Whitby, Hamilton, Cayuga, Barrie, Sydenham. Western: St. Thomas, Sandwich, Sarnia, Chatham, London, Goderich. Midland: Peterborough, Cobourg, Belleville, Picton, 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 of Commissioners, W. B. Heward.

Court of Probate.—Official Principal, S. Brough, Toronto; Registrar, C. Fitzgibbon, Toronto.

Surrogate Court.—Judge, S. B. Harrison; Registrar, Wm. J. Fitzgerald, Toronto.

County Courts.—Presided over by resident Judge in each county; these Courts possess equity powers.

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.

Recorders' 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 last Session.—(See page 43.)

Insolvent Debtor's Court.—The County Judge in each county presides.

JUDICIARY—LOWER CANADA.

Court of Queen's Bench.—Chief Justice, Hon. Sir L. H. Lafontaine, Bart.; Puisne Judges, Hons. T. C. Aylwin, J. H. Duval, R. E. Caron. Appeal Side, Terms—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 20th 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, Hons. William C. Meredith, A. N. Morin, and J. T. Badgley. Quebec; Hons. C. D. Day, James Smith, C. Mondelet, and George VanKellon, Montreal; Hon. D. Mondelet, 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 November. Three Rivers, 12th to 25th February, 1st to 11th June, and 1st to 14th November. Sherbrooke, 20th to 27th January, 1st March, and October 8th to 15th of June. Kamouraska, 26th March to 24th 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 13th 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. McCord, and J. C. Bruneau, Esqrs., Montreal; J. G. Thompson, and J. F. DeBlois, Esqrs., Gaspe; J. A. Taschereau, Esq., Kamouraska; and W. K. McCord, Esq., Aylmer.

Quarter Sessions.—Quebec, Montreal, Three Rivers—commence severally, 8th January, 4th April, 4th July, and 4th October. Sherbrooke—commence 8th January, 8th April, 8th July, and 8th October. Kamouraska, from 7th to 15th January, and 15th to 24th 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.

Vice Admiralty Court.—Judge, Hon. H. Black, Quebec; Registrar, Charles Drolet; Marshal, J. B. Parkin.

Commissioners' Courts held monthly in the country Parishes, for determining cases in a summary, way not exceeding £0 currency each in amount.

Clerk of Appeals—J. U. Beaudry, Quebec.

AN INDEX TO THE STATUTES,

Passed in the First Session of the Fifth Parliament of the Province of Canada (18 & 19 Vic.), alphabetically arranged according to the initial letter of the word most distinctive of the subject-matter treated of in each, and otherwise further classified, so as to facilitate the acquisition of any particular Act required.

Imperial Acts.

XCIX. EVIDENCE.—To amend the Law of.
CXVIII. LEGISLATIVE COUNCIL.—To empower Legislature of Canada to alter Constitution of.
CIV. MERCHANT SHIPPING.—To amend and consolidate Acts relating thereto.

CXX. MERCHANT SHIPPING.—To repeal certain Acts relating to, and to continue certain Provisions in said Act.

III. TREATY.—To carry into Effect, between her Majesty and the United States of America.

Public Acts.

GENERAL AND MISCELLANEOUS.

LXXVIII.—Accounts, Public.—To secure the more effectual Auditing of.

LXXXV. Acts.—To continue the following:—

Bankrupts.—For Relief of—7 Vic. c. 10, 9 Vic. c. 30, 12 Vic. c. 18, 14 & 15 Vic. c. 20 in part only.

Bills of Exchange.—To ascertain Damages on protested—3 Wm. IV. c. 14.

Butler.—For Inspection of in Quebec and Montreal—11 Vic. c. 7.

Debtors.—To attach Effects of in Cases under £10.—14 & 15 Vic. c. 18.

Debtors.—To facilitate Proceedings against—9 Geo. IV. c. 28.

Debtors, Fraudulent.—To prevent Evasion of Creditors.—9 Geo. IV. c. 27.

Debtors, Insolvent.—To relieve—8 Vic. c. 48.

Prof Grosbois.—To place common of, under Control of the Inhabitants—9 Geo. IV. c. 32.

Fisheries.—To regulate in District of Gaspe.—4 & 5

Fisheries, Salmon.—To preserve in Counties of Cornwallis and Northumberland—9 Geo. IV. c. 51.

Hastings, County.—Registration of Titles in—9 Vic. c. 12, 10 & 11 Vic. c. 38, 12 Vic. c. 97.

Insane Persons.—For Relief of in Home District—11 Geo. IV. c. 20.—and Extension of Act—3 W. IV. c. 45.

Justices of Peace.—To regulate Fees of Persons employed by—6 Wm. IV. c. 19.

Mariners.—To provide medical treatment for sick—6 Wm. IV. c. 35, as amended by 8 Vic. c. 12.

Militia.—For regulation of—9 Vic. c. 28, 12 Vic. c. 88.

Provincial Penitentiary.—For the better Management of—14 & 15 Vic. c. 2.

Public Business.—Empowering Commissioners to enquire into Matters connected with, &c.—9 Vic. c. 38.

Real Property in L. C.—Relative to Registration of Titles to and Incumbrances upon—8 Vic. c. 27.

Real Property in L. C.—To enable Proprietors to require where illegally detained from them—14 & 15 Vic. c. 92, as amended by 16 Vic. c. 205.

Registration of Titles.—For County of Hastings—9 Vic. c. 12, 10 & 11 Vic. c. 38, 12 Vic. c. 97.

Rivers and Rivulets, U. C.—To prevent Obstructions.

- In—7 Vic. c. 36, as amended by 10 & 11 Vic. c. 20, 14 & 15 Vic. c. 123.
Road Lanes—Amendment of—2 Vic. c. 7. (See c. 100 sec. 5, of past Session.)
Secret Incumbrances—For Extinction of on Lands in L. C.—9 Geo. IV. c. 20.
Seigneurie of Lacaprairie—For Regulation of Common of—2 Geo. IV. c. 8.
Seigneurie of Lac Ste. Anne—For Regulation of Common of—2 Geo. IV. c. 10, 4 Geo. IV. c. 26.
Trials—*Montreal*—To regulate the Powers of, where II. City Anderson 1—14 Geo. IV. c. 1.
Wales—To encourage Destruction of, L. C.—1 Wm. IV. c. 6.
Wales—To encourage Destruction of U. C.—6 Wm. IV. c. 29.
 XI. *Ashes, Pot and Pearl*—To regulate Inspection of.
 XCV. *Ashes, Pot and Pearl*—To amend Act—18 Vic. c. 11—regulating Inspection of.
 X. *Bills and Promissory Notes*—To regulate Times of Payment.
 LXXXIX. *Civil List*—To amend the.
 II. *Clergy Incosers*—To make better Provision for Moneys arising from, by rendering them available for Municipal Purposes.
 XCII. *Criminal Law*—To amend the.
 XCIII. *Crown Lands Department*—To Connect Office of Supervisor of Cullers with.
 V. *Customs*—To amend Acts—12 Vic. c. 1, and 16 Vic. c. 85—imposing Duties of.
 LXVIII. *Customs*—To explain the Act—18 Vic. c. 5—amending Acts imposing Duties of.
 LXXX. *Debentures, Municipal*—To facilitate the Negotiation of.
 VIII. *Elections*—To provide for the Freedom of.
 LXXXVII. *Electric Franchise*—To extend, and repeal former Acts—7 Vic. c. 65 and 15 Vic. c. 134.
 LXXXVI. *Legislative Assembly*—For better securing the independence of.
 XCI. *Military Reserves and Ordnance Lands*—To transfer to the Province.
 LXXVII. *Militia*—To regulate, and repealing Acts—9 Vic. c. 25, 13 & 14 Vic. c. 11, 4 & 5 Vic. c. 2, 12 Vic. c. 88, 12 Vic. c. 89—now in Force for that Purpose.
 VI. *Naturalization Laws*—To amend the—12 Vic. c. 197.
 LXXIX. *Newspapers*—To abolish Postage on, and for other Purposes connected with Post Office Department.
 LXXXII. *Patriotic Fund*—To legalize certain Grants from Municipalities to.
 LXXXI. *Reciprocity Treaty*—To ratify certain Things done under Act—18 Vic. c. 1—to confirm, and for other Purposes.
 LXXXVI. *Representation*—To amend the Parliamentary Representation Act—16 Vic. c. 152.
 IV. *Revenue*—For raising Loan on Credit of Consolidated.
 LXXXVIII. *Statutes*—To alter Mode of drawing up the Provincial Statutes.
 CL. *Substitutions*—To abolish the Publication of Documents containing, and to provide for their Registration in the Registry Office.
 IV. *Supplies*—For defraying Expenses of Civil Government for 1854, and raising Money on Credit of Consolidated Revenue.
 I. *Treaty*—To give Effect to, on the Part of this Province, a Treaty between Her Majesty and the United States of America.
 VII. *Voters*—To amend Act—16 Vic. c. 153—extending Elective Franchise, and defining Qualifications of.
 CXXXV. *Weights and Measures*—To amend Laws—12 Vic. c. 85—concerning Inspectors of.
 IX. *Witnesses*—To enable Civil Courts to Summon Witnesses from any Part of the Province.

UPPER CANADA.

- XX. *Courts County*—To provide for holding of, in Cases of Illness of Judge.
 CXXIII. *Courts, Error and Appeal*—To explain and amend Act—12 Vic. c. 63—establishing.
 CXXII. *Courts, Superior*—To amend Act—9 Vic. c. 33—for Accommodation of.
 CXXV. *Division Courts*—To extend Jurisdiction of.
 CXXIV. *Dormant Equities*—To amend the Law of.
 CXXII. *Drainage*—To incorporate General Drainage and Land Improvement Company.
 CXXI. *Educational*—To provide for the Sale of Lands for Educational Purposes.
 CXXIV. *Exercise*—To amend Act—16 Vic. c. 184—relative to certain Duties of.

- CXXXVII. *Fines and Water Courses*—To amend Act—8 Vic. c. 20—relating to.
 CXXXVIII. *Highways*—To repeal 16 Vic. c. 189, and to regulate Travelling on Public.
 CXXVI. *Insurances*—To amend Laws relating to Custody of.
 CXX. *Insurances*—To Amend Act—6 Wm. IV. c. 18—establishing Mutual Insurance Companies.
 CXXX. *Jurors*—To provide for the Payment of.
 CXXIX. *Lands*—To authorise the Sale or Lease of Lands held in Trust for Religious Bodies.
 CXXXIII. *Loans*—By-Laws for raising Loans to be approved of by Majority of Electors of Municipality requiring them.
 CXXIX. *Marriages*—To remove Doubts respecting certain.
 CXXXVI. *Master and Servant*—To amend Act—10 & 11 Vic. c. 23—regulating Duties between.
 CXXVII. *Registry Laws*—To amend the.
 CXXVIII. *Replevin*—To explain Act—14 & 15 Vic. c. 64—amending and extending the Law relating to.
 CXXVIII. *Reporters to Courts of Law and Equity*—To amend and consolidate the Acts—4 Geo. IV. c. 3, 5 Vic. c. 2, Acts of U. C. and 8 Vic. c. 39, and 12 Vic. c. 65, and 13 and 14 Vic. c. 51—relating to the Appointment of.
 CXXXIX. *Road*—To amend the Road, Bridge, Pier or Wharf Joint Stock Companies Act—16 Vic. c. 190—of 1853.
 CXXXI. *Schools*—To amend the Laws—13 & 14 Vic. c. 48, 14 & 15 Vic. c. 111—relating to Separate Schools.
 CXXXII. *Schools*—To make further Provision for Grammar and Common Schools.
 XXI. *Taxes*—To extend Time allowed for Assessments and Collection of Taxes in Upper Canada for 1855.
 CXL. *Taxes, &c.*—To explain Act—16 Vic. c. 183—for Recovery of Taxes imposed by late District and County Councils.

LOWER CANADA.

- CIX. *Bailiffs*—To amend Laws respecting Qualification and appointment.
 CLXIII. *Baptisms, Marriages, and Burials*—To authorize the Keeping of separate Registers in sundry Churches.
 XIX. *Building Societies*—To amend Act—12 Vic. c. 67—encouraging.
 CXVI. *Building Societies*—To amend Act—12 Vic. c. 57—encouraging.
 CXVII. *Convictions*—To regulate Proceedings in Appeal from Decisions of Justices of the Peace, in Summary.
 XVI. *Debt, Imprisonment for*—To explain 12 Vic. c. 42.
 CVII. *Debtors*—To enable Creditors to attach Effects of before Judgment in Cases under £10.
 CXIII. *Driving Furiously*—To restrain on certain Highways.
 III. *Feudal Rights and Duties*—For Abolition of.
 CXIV. *Fisheries*—For the Protection of.
 XV. *Grain, Pulse, Seeds, &c.*—Act—16 Vic. c. 193—establishing Standard Weight of, extended to L. C.
 CVI. *Hypothecs*—To facilitate Sale of Immovables charged with, where Proprietor is unknown, &c.
 CIV. *Judicature*—To amend the Judicature Acts.
 CXVIII. *Jurors, Petty*—To provide for payment of, and to make better Provision for other Judicial Officers.
 CVIII. *Lessors and Lessees*—To consolidate the Laws relating to.
 CX. *Licitations, Forced*—To regulate Proceedings on, and to give them the Effect of Sheriffs' Sales.
 XIII. *Loan*—To amend and extend Consolidated Municipal Loan Fund Act—16 Vic. c. 22—to L. C.
 C. *Municipal and Road Act*—For the Reform of the Municipal and Road System of Lower Canada.
 XVIII. *Municipal Authorities*—To amend Act—10 & 11 Vic. c. 7—establishing.
 XVII. *Notaries*—To empower Notaries to hold Meetings of Relations, &c., in certain Cases without Authority of Judge.
 CXI. *Notaries*—To amend Act—Acts of 1847 and 1849—organizing.
 XIV. *Partnerships, Limited*—To extend Act—12 Vic. c. 75—to Lower Canada.
 CV. *Recusation of Judges*—To restrict in certain Cases.
 CXIX. *Registry Laws*—To establish in and for each Electoral County.
 CII. *Retrait Lignager*—To abolish the Right of.
 LXXXIV. *Rivers Improvement Act*—16 Vic. c. 191—To amend and extend to L. C.
 C. *Road Act*—For the Reform of the present Municipal and Road System.
 CIII. *Seigniorial Act of 1854*—18 Vic. c. 3—To amend the.
 CXVII. *Sunday Sales*—To repeal any Law authorizing.

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3—To amend the
law authorizing.

BANKS.

- XLI. *City Bank*—To amend Act—4 & 5 Vic. c. 97—and increase Capital.
XLII. *Commercial Bank, M.D.*—To facilitate Transfer of Shares, &c., and increase Capital.
CCVI. *Eastern Townships Bank*—To incorporate.
XLIII. *Le Banque du Peuple*—To increase Capital.
CCII. *Molson's Bank*—To incorporate.
XXXVIII. *Montreal Bank of*—To amend Charter and increase Capital.
CCIV. *Niagara District Bank*—To incorporate.
XL. *Quebec Bank*—To amend Act—4 & 5 Vic. c. 94—and increase Capital.
XII. *Savings Banks*—To amend Act—4 & 5 Vic. c. 32—relating to.
XCVI. *Strlings Banks*—To regulate and repeal Act—4 & 5 Vic. c. 32—now in force for that purpose.
CCII. *St. Francis Bank*—To incorporate.
CCV. *Toronto Bank of*—To incorporate.
XXXIX. *Upper Canada Bank of*—To facilitate Transfer of shares and increase Capital.
CCIII. *Zimmerman's Bank*—To incorporate.

EDUCATIONAL AND LITERARY.

- CCXLIII. *Abbotsford Academy*—To incorporate.
CCXXXVI. *Athenaeum*—To amend Act—11 Vic. c. 16—incorporating the Toronto Athenaeum.
CCXLII. *Aylmer Academy*—To incorporate.
LXXIII. *College de Monroir*—To incorporate.
CCXL. *College in Hamilton*—To incorporate.
LVI. *College Masson*—To incorporate.
LVII. *Hamilton Academy*—To incorporate.
CCXXXVIII. *Sherbrooke Literary Institute*—To incorporate.
CCXXXIX. *Seurs de la Presentation*—To incorporate.
LV. *St. Francis' College*—To incorporate.
CCXXXVII. *St. Michael's College*—To incorporate.
CCXLIII. *St. Roch's Institute*—To amend Act—16 Vic. c. 205—incorporating.

GAS AND WATER COMPANIES.

- CCXV. *Consumers' Gas Company, Toronto*—To extend the powers of.
XCIV. *Gas and Water Companies*—To amend Act—16 Vic. c. 173—for Incorporation of.
CCXVII. *Kingston Water Works*—To increase Capital.
CCXVIII. *Metropolitan Gas and Water Company, Toronto*—To amend Act—16 Vic. c. 250—incorporating.
XXX. *Quebec*—To enable Corporation of, to borrow a further sum for Water Works.
CCXVI. *Quebec Gas Company*—To increase Capital.

INDIVIDUAL.

- CCI. *Praser, William and Edward*—To authorize the Selling of certain Lots in the Seigneurie of Riviere du Loup.
CCII. *Gatine, Bartholomew*—To admit to Practice as an Attorney in Upper Canada.
CCXLVIII. *Munday, John Jeremy*—To admit to Practice as an Attorney, &c., in Upper Canada.
CCXLV. *McWattie, Rev. Alexander*—To confirm certain Marriages solemnized by.
LXVII. *Powell, William Dummer, and his Wife*—To empower Trustees to Sell certain Lands held in trust for.
CCXLIX. *Powell, William Dummer, and his Wife*—To amend Act—15 Vic. c. 67—Empowering Trustees to Sell, &c.
LXVI. *Ritchie, Rev. William*—Empowered to Sell certain Lands held in trust.
LXXIV. *Shortis, Edward*—To vest Road Allowance between Lots 15 and 16, sixth Con. Thorn, in.

INSURANCE COMPANIES.

- CCX. *Imperial Fire, Marine and Life Insurance Company*—To incorporate.
LX. *Mutual Assurance Association of the Fabriques, &c.*—To amend Act—16 Vic. c. 149—incorporating.
CCXI. *Provident Life Assurance and Investment Company*—To incorporate.
CCXIII. *Provincial Insurance Company*—To amend Act—12 Vic. c. 167, amended by 16 Vic. c. 69—incorporating.
CCXII. *Quebec Fire Assurance Company*—To amend Act—9 Geo. IV. c. 55 of L. C.—incorporating and to facilitate management of Business.
CCXIV. *St. Lawrence Assurance Co.*—To incorporate.

MANUFACTURING AND MINING.

- LI. *Canada Copper Company*—To incorporate.
CCXIX. *Canada Ore Dressing Company*—To incorporate.
LXVIII. *International Mining and Manufacturing Company*—To incorporate.

Local and Personal Acts.

- LII. *Kingsey Slate Works*—To incorporate.
CCXX. *Lynn Manufacturing Company*—To incorporate.
XLIX. *Megantic Mining Company*—To incorporate.
CCXXI. *Montreal Locomotive and Steam Engine Manufacturing Company*—To incorporate.
CCXXIII. *Canada Powder Company*—To incorporate.
XLVII. *Quebec and St. Francis Mining and Exploring Company*—To incorporate.
LVI. *Ship's State Works*—To incorporate.
L. *St. Lawrence Mining Co.*—To incorporate.
XIV. *Upper Canada Mining Company*—To amend Act 10 & 11 Vic. c. 73—incorporating.

MISCELLANEOUS.

- CLVII. *Accidents by Fire, Quebec and Montreal*—To authorize Investigation in cases of.
CII. *Ameliasburg Township*—To confirm Survey of, declaring the inclusion of Millier.
XXV. *Bedford Township*—To confirm certain Surveys of.
CLXXXIII. *Beverly Township*—To revive, continue and amend Provisions of Act—16 Vic. c. 230—establishing Boundaries of certain Lots.
CXLI. *Burial Grounds, Quebec*—To prohibit Interments in certain.
CXLVI. *Burial Ground, General, of Toronto*—To enable Trustees to Close the same and Sell a portion thereof, and for other purposes.
XXVII. *Chatham, Town*—To empower School Trustees to Dispose of a certain Land.
CLXVIII. *Circuit, Arthabaska*—To alter Limits of, and for other purposes.
CLVIII. *Circuit, Quebec*—To alter and extend Limits of.
XXIX. *Greenwell, Town*—To declare certain Survey valid.
CLXIV. *Church-Houses, Montreal and Aylmer*—To make provisions for Defraying Cost of, at.
CL. *Dundas, Town*—To amend Act—16 Vic. c. 54—authorizing the Town of, becoming security to a certain amount for the Desjardins Canal Company to the Great Western Railway Company.
CLXVII. *Durham, Township*—To alter the tenure of Indian Lands in.
XIV. *Friendly Society*—To incorporate the British American Friendly Society of Canada.
LXIX. *Haldon & Wentworth, Counties of*—To make certain provisions rendered necessary by the Separation of.
CXLVII. *Hamilton, City*—To authorize the negotiation of a Loan of £50,000.
CLXXXII. *Hamilton, Township*—To confirm a certain Survey in.
CXI. *Hospital, Montreal*—To incorporate the University Lying-in.
CLXX. *Huntingdon, County*—To remedy the Defects in certain Deeds.
CXLII. *Industry, House of, Montreal*—To transfer all Property, rights and privileges, &c., to the City.
CCXXXVI. *L'Hospice St. Joseph de la Maternite, Quebec*—To incorporate.
CCXLVII. *Masonic Hall, Quebec*—To incorporate.
CCXLIV. *Medicine and Surgery*—For relief of certain Practitioners in, L. C.
CLIV. *Monaghan, Township*—To repeal Act—16 Vic. c. 228—confirming Road Allowance in.
CLXII. *Montreal, City*—To amend the several Acts—14 & 15 Vic. c. 128, 7. Vic. c. 44, and 16 Vic. c. 127—of Incorporation.
LXII. *Montreal Dispensary*—To incorporate.
XXXVII. *Niagara Falls Suspension Bridge*—To increase Capital Stock of.
CLVI. *Niagara, Township*—To confirm a certain portion of the original Survey.
CLXXI. *Norwich, Township*—To divide into two separate Municipalities.
CLXV. *Notaries of St. Francis*—To suspend parts of the Acts—10 & 11 Vic. c. 21, and 13 & 14 Vic. c. 39—regulating the Profession as far as it relates to this District.
XXVI. *Otonabee, Township*—To authorize the Exchange of Concession Road Allowance.
XXIII. *Ottawa, City*—To erect the town of Bytown into.
CLXVIII. *Paris, Town*—To incorporate and define the Limits thereof.
XXXI. *Quebec, City*—To enable Corporation of to raise Loan to consolidate City Debt.
CLIX. *Quebec, City*—To amend and consolidate provisions of Ordinances of Incorporation, and to vest more ample powers in Corporation.
CCXXXII. *Quebec Benevolent Society*—To amend Act—Act of L. C., 47 Geo. III. c. 17—incorporating.

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Wilson, LL.D.; Natural History, Rev. Wm. Hincks, F.L.S.; Mineralogy and Geology, E. J. Chapman; Modern Languages, J. Forneri, LL.D.; Meteorology and Director of Magnetical Observatory, C.T. Kingston, M.A.; Lecturer on Oriental Literature, J. M. Hirschfelder; Libr'n, Rev. A. Lorimer.

Upper Canada College.—Principal, F. W. Barron, M.A.; First Classical Master, Rev. H. Sadding, D.D.; Mathematical Master, vacant; 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, M.A.; Second English Master, C. Thompson; Commercial Master, J. Dodd; Geometrical Drawing Master, J. G. Howard; Ornamental Drawing Master, J. Bull; 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 Colleges at Toronto.—Bursar, David Buchan, Cashier or Chief Clerk, Alan Cameron; Book-keeper, M. Drummond; Assistant Clerk, James Nation; Messenger, William Morrow, Office, St. George's Square.

University of Queen's College, Kingston.—Opens on the First Wednesday in October, and closes on the last Thursday of April. Trustees: Hon. J. Hamilton, Chairman; Andrew Drummond, Esq., Treasurer; James McLennan, Esq., Secretary. Professors: Rev. ———, Principal and Primarius Professor of Theology; Rev. James George, Vice-Principal and Interim Lecturer on Systematic Theology; Rev. John M. Smith, A.M., Professor of Hebrew, Biblical Criticism, and Church History; Rev. J. Williamson, LL.D., Professor of Mathematics and Natural Philosophy; Rev. Jas. George, Professor of Logic and Mental and Moral Philosophy; Rev. George Weir, A.M., Professor of Classical Literature. *Medical Faculty:* President, James Sampson, M.D. Professors: James Sampson, M.D., Clinical Medicine and Surgery; John Stewart, L.R.C.S., Edin., Anatomy, Physiology, and Practical Anatomy; John R. Dickson, M.D., Principles and Practice of Surgery; Horatio Yates, M.D., Principles and Practice of Medicine; J. P. Litchfield, M.D., and Alexander Campbell, Esq., Barrister at Law, Forensic and State Medicine; Ties Fowler, M.D., L.R.C.S., Materia Medica, Therapeutics and Pharmacy; J. P. Litchfield, M.D., Midwifery. Secretary, Dr. Stewart.

McGill College.—Visitor, His Excellency The Governor General; The Honorable Charles Dwyer Day, President of Board of Governors; Principal, J. W. Dawson, Esq.; Secretary, Registrar and Bursar, W. S. Burrage, Esq. *Faculty of Law.*—Dean of Faculty, The Hon. William Badgley, D.C.L.; Lecturers, J. J. C. Abbott, Esq., B.C.L., and F. W. Torrance, Esq., M.A. *Faculty of Medicine.*—Dean of Faculty, A. F. Holmes, Esq., M.D.; Professor of the Theory and Practice of Medicine, A. F. Holmes, Esq., M.D.; Professor of Surgery, G. W. Campbell, Esq., A.M., M.D.; Professor of Midwifery and the Diseases of Women and Children, A. Hall, Esq., M.D.; Professor of Anatomy, O. T. Bruneau, Esq., M.D.; Professor of Clinical Medicine, James Crawford, Esq., M.D.; Professor of the Institutes of Medicine, William Fraser, Esq., M.D.; Professor of Chemistry, William Sutherland, Esq., M.D.; Professor of Clinical Surgery, W. E. Scott, Esq., M.D.; Professor of Materia Medica, William Wright, Esq., M.D.; Professor of Medical Jurisprudence, R. P. Howard, Esq., M.D.; Demonstrator of Anatomy and Curator of Museum, D. C. McCallum, Esq., M.D. *Faculty of Arts.*—Vice-Principal and Dean of Faculty, Rev. Canon Leach, D.C.L.; Professor of Classical Literature, Rev. Benjamin Davies, Ph. Dr.; Professor of Mathematics and Natural Philosophy, William Andrew, Esq., M.A.; Professor of Moral Philosophy and Logic, Rev. Canon Leach, D. C. L.; Professor of History, Ancient and Modern, Henry Aspinwall Howe, Esq., M.A.; Professor of Hebrew and Oriental Literature, Rev. A. De Solà; Lecturer on French and German Literature, Charles F. A. Markgraf, Esq. *High School Department.*—Rector, Professor H. A. Howe, M.A.; First Assistant Master, T. A. Gibson, Esq., M.A.; Second Assistant Master, David Rodger, Esq.; Third Assistant Master, W. Bowman, Esq.; Fourth Assistant Master, J. D. Borthwick, Esq.; Fifth Assistant Master, Alexander Grant, Esq.; French and German Master, C. F. A. Markgraf, Esq.; Drawing Master, James Duncan, Esq.; Music Master, John Follenius, Esq.

University of Victoria College, Cobourg.—Rev. S. S. Neiles,

M.A., President; Rev. S. D. Rice, Governor and Chaplain; *Faculty of Arts:* Rev. S. S. Neiles, M.A., Professor of Mental and Moral Philosophy; William Kingston, M.A., Professor of Mathematics; John Beatty, Jun., M.D., Professor of Natural Science; John Wilson, B.A., T.C.D., Professor of Classical Literature; John Campbell, Classical Tutor; William Kerr, B.A., Rector of High School; E. B. Ryckman, B.A., Mathematical Tutor; John W. Kerr, Assistant Teacher. *Faculty of Medicine:* Hon. John Rolph, M.D., M.R.C.S., Eng., Professor of Principles and Practice of Surgery; Joseph Workman, M.D., Emeritus Professor of Midwifery and Diseases of Children; W. T. Atkins, M.D., Professor of Descriptive and Surgical Anatomy, and Dean of Medical Faculty; Henry H. Wright, M.D., Professor of Principles and Practice of Medicine; Michael Barrett, A.M., M.D., Professor of Institutes of Medicine, Materia Medica and Therapeutics; J. Rowell, M.D., Demonstrator of Anatomy. The Medical Department is conducted at Toronto.

University of Trinity College, Toronto.—Incorporated by Royal Charter, 1852.—Council—The Honorable and Right Reverend the Lord Bishop of Toronto, The Honorable Sir J. B. Robinson, Bart., Chancellor of the University, The Rev. the Provost of Trinity College, Professor Hodder, Professor Vankoughnet, Rev. Professor Parry, Rev. Professor Irving, The Rev. George O'Kill Stewart, D.D., LL.D., Archdeacon of Kingston, The Ven. A. N. Bethune, D.D., LL.D., Archdeacon of York, The Rev. H. J. Grasett, B.D., G. W. Allan, Esq., John Arnold, Esq., Lewis Moffatt, Esq., The Hon. James Gordon, The Hon. Mr. Vice-Chancellor Sprague, James M. Strachan, Esq., Sir Allan McNab, M.P.P.; Secretary, Charles Magrath, Esq. Officers of the College—Provost, George Whitaker, M.A.; Professor of Divinity, the Provost; Professor of Classics, E. St. John Parry, M.A.; Professor of Mathematics, G. C. Irving, M.A. Professors of the Faculty of Law—The Hon. J. H. Cameron, Q.C., J. H. Hagarty, Q.C., P. M. Vankoughnet, Q.C. Professors of the Faculty of Medicine—Obstetrics, E. M. Hodder, M.D., M.R.C.S., Eng.; Institutes of Medicine, James Bovell, M.D., M.R.C.P., Eng.; Principles and Practice of Surgery, Cornelius J. Philbrick, F.R.C.S., Eng.; Anatomy and Physiology, N. Bethune, M.D., M.R.C.S., Eng.; Practice of Medicine, F. Badgley, M.D., M.R.C.S., Edin.; Materia Medica and Therapeutics, W. Halliwell, M.D., M.R.C.S., Edin.; Medical Jurisprudence, F. M. Russell, M.D., M.R.C.S., Eng.; Chemistry, Henry Youle Hind, M.A. Professor of Music, G. W. Strathly, Mus. Bac.

Bishop's College, Lennoxville.—Incorporated by Royal Charter, 1853.—President of the Corporation, and Visitor, The Right Rev. the Lord Bishop of Quebec. Vice-President of the Corporation, and Visitor, The Right Rev. the Lord Bishop of Montreal. Chancellor, Hon. W. Walker. Vice-Chancellor, Hon. J. S. McCord. Trustees, H. Smith, Esq., Chairman, Hon. E. Hale, Hon. J. S. McCord, G. F. Bowen, Esq., W. Baker, Esq., B. Morris, Esq., Rev. C. P. Reid, Rev. R. Doolittle, Rev. R. Lindsay, Rev. W. Bond. College Council, Rev. J. H. Nicolls, H. Miles, Esq., E. Chapman, Esq., Rev. J. H. Thompson. Officers of the Corporation, E. Chapman, Esq., Secretary; E. L. Montzambert, Esq., Honorary Counsel; E. Chapman, Esq., Auditor; Rev. L. Doolittle, and E. T. Morris, Esq., Attorneys. Officers of the College, Rev. J. H. Nicolls, M.A., Principal and Professor of Classics; H. Miles, Esq., M.A., Vice-Principal and Professor of Mathematics and Natural Philosophy; Rev. J. Henry Thompson, M.A., Professor of Divinity; ———, Professor of Chemistry and Mineralogy; Rev. L. Doolittle, M.A., Bursar; Rev. J. H. Thompson, M.A., Librarian.

College of Regiopolis, Kingston.—(See Clergy, p. 70, col. 2.)

College of Bytown.—(See Clergy, page 70, col. 1.)

St. Michael's College, Church Street, Toronto.—Incorporated by Act of the Legislature, 1855. In Charge of the Fathers of the Order of St. Basil.—(See Clergy, p. 70, col. 2.)

King's College.—Rev. M. Willis, D.D., Professor of Systematic Theology, &c.; Rev. J. P. Young, Professor of Evidence of Religion, Moral Philosophy, and Logic; J. A. Smith, Classical Tutor; Rev. W. Reil, A.M., Secretary.

Canadian Congregational Theological Institute, Adelaide Street, Toronto.—Treasurer, Patrick Freeland, Esq.; Secretary, Rev. E. H. Marling. Committee: Revs J. Roaf, A. Lillie, D.D.; A. Wickson, A.M.; E. Edes; J. T. Byrne, and J. B. Robinson; Messrs. A. Christie, Peter Freeland, W. F. Mendell; John Nasmith, John Snarr, and E. Childs. Rev. A. Lillie, D.D., Professor of Theology, &c.; Rev. A. Wickson, A.M., Classical and Hebrew Tutor. Course, Four Sessions of eight months each, from middle of Oct. to middle of June.

Divinity Hall of the United Presbyterian Synod.—The Divinity Hall meets in Toronto on the 3rd Tuesday in October, and continues in session till 2nd Thursday of April. Professor, Rev. John Taylor.

Université Laval.—Faculté de Médecine, J. Blanchet, M.D., Professeur de Physiologie et des Institutes de la Médecine; J. A. Sewell, M.D., Professeur de la Thérrie et de la Pratique de la Médecine, et de Clinique Médicale; J. Z. Nault, M.D., Professeur de Matière Médicale et de Thérapeutique, et de Clinique Médicale; J. C. Fremont, M.D., Professeur des Principes et de la Pratique de la Chirurgie, et de Clinique Chirurgicale; A. A. Jackson, M.D., Professeur de l'Obstétrique et des Maladies des Femmes et des Enfants; J. Landry, M.D., Professeur d'Anatomie et de Clinique Chirurgicale; E. Lemieux, M.D., Professeur de Jurisprudence Médicale, et Demonstrateur en Anatomie; S. S. Hunt, Ecuyer, Prof. de Chimie; T. Z. Nault, Secrétaire.

Council of Public Instruction for Upper Canada.—Hon. Samuel Bealy Harrison, Q.C., Chairman; Rev. Egerton Ryerson, D.D., Chief Superintendent of Schools; Right Rev. A. F. M. de Charbonnel, D.D., Roman Catholic Bishop of Toronto; Rev. H. J. Grasset, B.D.; Joseph Curran Morrison, Q.C., M.P.P.; James Scott Howard; Rev. John Jennings, and the Rev. Adam Lillie, D.D. Members for the purpose of the Grammar School Act, Rev. John McCaul, LL.D., President of University College, and the Presidents of the Colleges affiliated with the University of Toronto; John George Hodgins, Recording Clerk.

Provincial Normal and Model Schools.—For the instruction and training of Teachers. Normal School: Thomas Jaffray Robertson, Head Master; Rev. William Ormiston, A.B., Second Master; Archibald McCallum, Teacher of Book-Keeping; William Hind, Teacher of Drawing; Henry Goodwin, Teacher of Gymnastics and Callisthenics. Model Schools: In which the Normal School Students practice the art of Teaching. Archibald McCallum, Master of Boy's School; Warren Rock, First Assistant; David Ormiston, Second Assistant; Dorcas Clark,

Mistress of Girl's School; Henrietta Shenlek, First Assistant; Helen Clark, Second Assistant; and the Teachers of Music Drawing, and Gymnastics and Callisthenics in the Normal School. The Sessions of the Normal School commence on the 15th May and 15th of November of each year, and continue for five months each.

Grammar Schools.—Each of these Schools is managed by a Board of Trustees, 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 matriculation in the University and Colleges. There were 64 Grammar Schools, with 4,287 pupils, in Upper Canada, in 1854.

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 for each ward or municipality. There were 3244 Common Schools, with 204,108 pupils, in Upper Canada, in 1854.

Public School Libraries.—Each School and Municipal Corporation desirous of establishing Free Public Libraries, is aided by the Educational Department granting 100 per cent. on local appropriations, and supplying books from the Depository in connection with the Department. During the last year and a half (October, 1855) about 250 Libraries have been established, containing 115,508 volumes.

The Total number of educational institutions reported by the Department of Public Instruction in operation in Upper Canada during 1854, was 3,512, attended by 214,734 pupils, and expending £239,128 11s. 8d. 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, F.R.C.S.E.; W. C. Gwynne, M.B.; W. Telfer, L.R.C.S.E.; W. Durie, K.H.; J. King, M.D.; W. Beaumont, M.R.C.S., Eng.; G. Herriek, M.D.; W. B. Nicol, M.D.; John Rolph, M.R.C.S.; James Bovell, M.D.; Joseph Workman, M.D.; Edward M. Hodder, M.C. and F.R.C.S.E.; Jas. Sampson, Kingston; Harmanus Smith, Ancaster; James Wilson, Perth; Basil R. Church, Merrickville; W. H. Brouse, Prescott; Robert Edmondson, Brockville; W. H. Howard, Farmersville; Henry H. Wright, Toronto; W. Allison, Markham; Roderick McDonald, Cornwall; George H. Park, Hamilton; James Mitchell, Dundas; John Fraser, Pelham; Thomas T. Macklem, Chippawa; Ephraim Cook, Norwich; John B. Crouse, Simcoe; George Southwick, St. Thomas; W. Atkins, Toronto, and T. D. Morrison, Toronto.

Toronto General Hospital.—Incorporated 1847.—Trustees: Appointed by Government, Hon. C. Widmer, M.D. James Bealy, and John Doel; by Corporation, G. W. Allan; by Board of Trade, Thos. Clarkson. Consulting Phys. & Surg., Hon. C. Widmer, M.D. Attending Phys. and Surg.'s, W. Telfer, M.R.C.S., Edin.; G. Herriek, M.D.; W. R. Beaumont, M.D., F.R.C.S., Eng.; E. M. Hodder, M.D., F.R.C.S., Eng.; James Bovell, M.D., L.R.C.P., London; J. Scott, M.D., M.R.C.S., Eng.; James H. Richardson, M.D., M.R.C.S., Eng.; Resident Surgeon, Edward Clarke, F.R.C.S., Eng.; Secretary and Treasurer, J. W. Brent. Hours of attend-

ance, 12 o'clock, noon, daily. Visitors are permitted to see their friends every day from 3 to 5 p.m., except Saturday and Sunday.

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 Bursar, 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. 183, which requires that the patients be examined by three licensed medical practitioners, verified by Reeve or Mayor collectively, who certify to the insanity. From the overcrowded state of the house, admissions are at present made as vacancies occur, according to priority of applicants. 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.; Bursar, J. McKirdy; Steward, G. McCullough; Matron, M.A. Parkes.

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NOTE.—The Compiler, on the conclusion of his labors, regrets that want of space forbids the insertion of an Addenda correcting many typographical errors, and in particular, the List of Magistrates, as published under the head Municipalities. He regrets, also, to announce, that he has been compelled to exclude from the present Almanac, valuable Governmental Returns relating to the Provinces of Nova Scotia, New Brunswick, Prince Edward's Island and Newfoundland, so kindly furnished him by officers in their respective governments. To them, however, and the very many gentlemen who afforded him information respecting the Government of Canada, the Municipalities, and other departments of the Almanac, he would tender his most sincere thanks for their valuable assistance.

CANADA PERMANENT BUILDING AND SAVINGS SOCIETY,

ESTABLISHED IN 1855.

TO SUCCEED THE TORONTO, AND FARMERS' & MECHANICS' BUILDING SOCIETIES.
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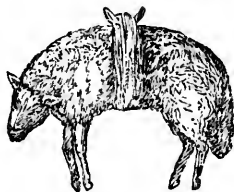
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THE Subscribers, in returning thanks to their numerous customers and the public at large for past favours, beg respectfully to announce, that their Stock is now complete with a large and select assortment of

Fall and Winter Dry Goods,

Comprising in part of Silks, Plain and Embossed Satins—all colours, Velvets, French Flowers, Ribbons, Laces, Black and coloured Grenadine Falls, Gloves, Scotch and Shetland Wool Hosiery, Ladies' Woolen Under-Dresses, Polkas, Furs, the latest styles in Paisley and German Wool Long Shawls, Fancy Dress Goods, Alpacas, Orleans, Cobourgs, French Merinos, Lama and Henrietta Cloths, Poplins. The Staple Department is, as usual, well stocked with English and Canadian **BLANKETS**; Horse Blankets of superior quality and size: Home-made English and Welsh Flannels, Yarns, Worsted, L. Wools, Shirtings, Sheetings, Tickings, Factory cottons very cheap, with every other article suitable for the season. Goods marked in plain figures, the **ONE PRICE** as usual, strictly adhered to. N.B. Just received, a splendid assortment of Children's Knitted German Wool Over Dresses. Also, Fifty Dozen Knitted Wool Socks.

Toronto, November, 1855.

BILTON & BLAKELY.

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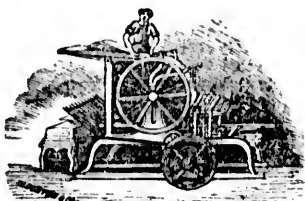
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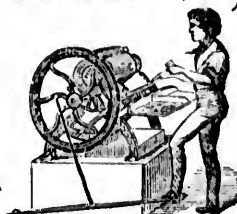
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63 YONGE STREET,
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BETWEEN KING AND ADELAIDE STREETS.



JOHN BLACKBURN, Book, Job and Ornamental Printer,

Begs most respectfully to draw the attention of the Canadian Public to his NEW AND UNRIVALLED STEAM PRINTING ESTABLISHMENT. Possessing every advantage to be derived from the use of STEAM MACHINERY and the LARGEST, BEST, and MOST VARIED ASSORTMENT of TYPE and other PRINTING MATERIALS in Canada, he is prepared to execute a very large amount of

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No Job, in Printing, however small or common, or however extensive or fine, but can be executed at the CITY STEAM PRESS. This Establishment possesses one of Ruggles' Card Machines, capable of working off 1500 to 2000 Cards per hour. **BUSINESS CARDS ONLY \$4 per 1000!!**

SHOW CARDS of every description printed in Gold and Colours, equal to any on this Continent. At the late PROVINCIAL EXHIBITION, held at Concora, in October last, TWO PRIZES WERE AWARDED TO THIS ESTABLISHMENT FOR THE BEST SPECIMENS OF PLAIN AND ORNAMENTAL PRINTING.

Country Merchants will save at least 25 per cent. by having their Printing done at this Office. **ORDERS BY POST** promptly attended to and punctually executed.

MAKE A NOTE OF THE ADDRESS:

Blackburn's City Steam Press, No. 63 Yonge Street, Toronto.



THOMAS WHEELER,
Seal and Copper-Plate Engraver,
WATCHMAKER, &c.,

Begs to inform his friends and the public, that he has REMOVED his Office to No. 18, KING STREET EAST, five doors East of his old stand (over the store of G. B. Wyllie, Esq., first floor) where he will have increased facilities for executing the orders of his customers.

CLOTHING, DRY GOODS, OR MILLINERY
CAN BE HAD AS CHEAP AT

GEORGE LONGMAN'S

NEW STORE,

80, KING STREET EAST, TORONTO,

As any other retail store in the City. Also,

TAILORING IN ALL ITS BRANCHES.

CALL AND PROVE IT!

PLAIN FIGURES ONLY ARE USED, AND NO SECOND PRICE.

GEORGE LONGMAN.

“THE LEADER.”

LITTLE more than three years ago, the Proprietor of the *Leader*—without having canvassed for party support, without having established any intermediate agencies for the enlistment of public patronage, without having covenanted beforehand for the co-operation of a single individual either in public or in private life—announced his intention of publishing a first-class Political Journal. The bitterness, the personal as well as the political animosity which characterized party journalism throughout the Province, led him to anticipate that a Newspaper which should introduce a new era in the Periodical Literature of the Province, by discussing public questions solely on their merits—by discarding personalities, unless when these were indispensable—by assuming to storm the citadel of public opinion by argument, rather than by appeals to passion and to prejudice—could not fail to win its way into favor and influence with an intelligent community. Taking a retrospect from the present stand-point, the Proprietor feels that he can congratulate himself on the realization of his highest anticipations. Only a few months after this Journal was first published, the readiness with which the public supported it justified an enlargement. A few months more, and he found himself warranted in increasing the issues of the Journal from a Semi-Weekly to a Daily Edition. An enlargement in the Daily, the Semi-Weekly, and the Weekly, had to be made at a later date; and more than twelve months ago, by the incorporation of the *Daily Patriot* with the *Leader*, another important step in advance was taken by the issue of an Evening as well as a Morning Edition, along with the two Semi-Weekly and two Weekly Editions. Eighteen separate issues each week were thus given forth from the same Press, and under the same Proprietorship as that which first set forth the Semi-Weekly bantling of 1852, to win its way to public favor. A few months subsequently, and before the *Leader* had completed the third year of its existence, a step still more important in newspaper improvement was made by the Proprietor. At a sacrifice which every other Journal in this Province, and every other Journal on this Continent—the New York *Tribune*, *Herald*, and *Times* alone excepted—has shrunk from, he determined on discarding the handbill system of advertising by the use of large type displayed over a great surface, and not only occupying space which might be devoted to reading matter, but destroying that harmony in the mechanical appearance of the Paper, which forms so marked a feature in English Journals, as compared with those of the United States, France, and Germany. Along with this plan of condensation, the Proprietor made, simultaneously, another change, which probably aggravated the sacrifice, without being correspondingly satisfactory in the shape of an improvement. This change, it is needless to say, was the adoption of the quarto form of publication. All these changes, however, it is proper to state, exemplified a progress in the history of Journalism which the Province had never before witnessed. And how sensible the reading public were of the improvement, may be gathered from the fact, that before the completion of the third year of the Journal's existence, our Paper was in the hands of FIFTEEN THOUSAND FAMILIES and could count between Ninety and a Hundred Thousand Readers! This patronage—altogether unprecedented in the Province—was procured by no agency, save that of the voluntary co-operation of an appreciative public. The readers of the various Editions of our Journal have not been indifferent to the fact, that we had sacrificed, in some measure, the patronage of the advertising community solely for their benefit—in order, in the first place, that there might be more reading matter in the Paper, and in order that the taste of an intelligent people might be gratified by the introduction of important mechanical improvements.

In the Fourth year of the Journal's existence, we sit down to chronicle yet another step in its progress. We have already alluded to the sacrifices which we have made of advertising patronage, purely for the benefit of the reading community. The time has come when, we think, the interest both of our readers and our advertisers may be advanced, by an improvement altogether new in the progress of Canadian Journalism. To give proper facilities to advertisers for display, at the same time that we jealously protect the interests of our readers, by an ample record of the news of the day, is a problem which has cost us some labour to solve. Whether we have succeeded, the future must, in part, be left to determine. Our present conviction is, that we have succeeded. Our plan is to discard the Quarto form, and throw open our columns for advertising display. We introduce, also, the fine broad column of the English Daily Journals—so well suited to show off Advertisements, and yet so well adapted to purposes of condensation, when space is valuable, as it always must be, in a leading Political and General Newspaper. With the introduction of the broad columns, the Proprietor has determined, also, on improving the quality of the printing paper; and along with these changes, we add a large space, equal to four broad columns, to the size of the Journal. The tendency of our improvement, however, is more towards mechanical excellence and perfect workmanship, than towards indefinite enlargement. We purpose showing those who follow our Leadership, what can be done in the way of newspaper progress and improvement, and we have confidence in the intelligence, the refinement, and the good taste of a Canadian community, that we shall not labour in vain.

In regard to the Literary department of the Journal, the Public are the fittest judges whether there is a corresponding improvement. On this point, it is out of place for us to say anything. Our Journal professes to speak in behalf of the intelligence of the Province. We claim for it the character of calmly discussing questions of political interest; of working with and for the body of the people, rather than slavishly serving a party; and of furnishing intelligence of the most valuable kind in advance of any other Journal in Canada.

THE MORNING EDITION

Of the *Leader* is published at the rate of Five Dollars a-year, every penny of which is expended in procuring the naked sheet on which we print: payable in advance, otherwise Six Dollars.

THE EVENING EDITION

Is published at the same rate, and contains all the News of each day, up to Four o'clock P.M.

THE SEMI-WEEKLY EDITION

Is published on Tuesdays and Fridays, at Three Dollars a-year, paid in advance, and Three-and-a-half Dollars credit.

THE WEEKLY “LEADER,”

One of the best Journals for Country Circulation in Canada, is published every Wednesday Morning, at One Dollar a-year, strictly in advance. When not paid in advance, the charge is Two Dollars.

THE WEEKLY “PATRIOT”

Is also published every Wednesday, and is a First-class Weekly Paper, circulating more largely than any other Journal in Canada. It will be furnished on the same terms as the Weekly *Leader*.

Advertisements for the Daily Editions are inserted in the Semi-Weekly and Weekly Issues, without extra charge, at rates as low as those of Journals of the smallest circulation, notwithstanding that each Advertisement which appears in our Columns is seen by at least ONE HUNDRED THOUSAND PERSONS!

JAMES BEATY,
PUBLISHER,

Toronto, November 1st, 1855.

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All Policies undisputable. No charge for Policy Stamps.

Safe, cheap, and offering advantages beyond those of any former Company.

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THE CHINESE TRANSCRIPT FLUID,

Three Shillings and Nine-pence a Bottle.

By Royal Letters Patent, offers invaluable benefit to all for business or private correspondence, copying all letters or documents perfectly and at once, by the mere pressure of the hands.

"A writer with this fluid is enabled to produce a copy of his letter or writing without trouble and in a moment."—*(London) Times.*

JOHN C. GEIKIE, Bookseller and Stationer, Wholesale and Retail Agent for Canada.

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JOHN RITCHEY, Jun.,

ST. LAWRENCE BUILDINGS, TORONTO.

WHOLESALE AND RETAIL DEALER IN

STAPLE AND FANCY DRY GOODS, READY-MADE CLOTHING, &c.

Has constantly on hand a large Assortment of Plain and Fancy Dry Goods,
Ready-made Clothing, &c.,

WHICH FOR VARIETY AND LOWNESS OF PRICE CANNOT BE
SURPASSED.

WORTHY OF NOTICE.

REV. DR. LYMAN BEECHER to Messrs. Reed, Cutler & Co., Boston.

Gentlemen,—I have used the *Vegetable Pulmonary Balsam* myself with benefit in Catarrhs of the Lungs, Coughs and Colds, and have known it to be used with good effects in the early stages of Pulmonary Affections, in families around me.

(Signed)

LYMAN BEECHER.

Boston, October 20, 1855.

Rev. Dr. Leonard Woods, (late Abbott Professor in Andover Theological Seminary,) writes to Messrs. Reed, Cutler & Co., as follows:—"From a long use of the *Vegetable Pulmonary Balsam* in my family circle, and in some instances among Theological Students, I have been led to regard it as a safe and efficacious medicine."

HOW ESTEEMED BY PHYSICIANS.—JOHN. A. BERRY, M.D., Saco, Me., says, "During a practice of twenty years, I have seen used all the popular remedies for Coughs, and am well satisfied that your *VEGETABLE PULMONARY BALSAM* is best, and I hope it will be better known and more generally used."

OPINIONS OF THE TRADE.—August 1st, 1854—"We know of no medicine which has deservedly sustained so high a reputation for so long a term of years, or which more rarely disappoints the reasonable expectations of those who use it."

[Signed,]

Allen & Co., Cincinnati, Oh.—Wm. H. Harrison, Cincinnati, Oh.—J. E. Wilder & Co., Louisville, Ky.—Barnard, Adams & Co., St. Louis, Mo.—F. Scammon & Co., Chicago, Ill.—E. E. Gay, Burlington, Iowa.—J. Musson, Quebec, C. E.—Wm. T. Baird, Woodstock, N. B.—Brewers, Stevens & Cushing, Boston, Mass.—B. A. Fahnestock & Co., New York, N.Y.—B. Hollister & Co., Buffalo, N. Y.—Carleton & Hovey, Lowell, Mass.—J. L. Thompson Co., Troy, N. Y.—Isaac Post, Rochester, N. Y.—A. McClure & Co., Albany, N. Y., and many others of the oldest and most respectable Druggists in the United States.

The above requires no comment, and must commend itself to all. The *VEGETABLE PULMONARY BALSAM*, so favorably known for the past THIRTY YEARS, for COUGHS, COLDS, CONSUMPTION, AND ALL DISEASES OF THE LUNGS, THROAT AND CHEST, is prepared ONLY by REED, CUTLER & CO., Druggists, Boston.

Price—Small bottles, 50 cents; large, \$1. Sold in Montreal by Lyman, Savage & Co., W. E. Bowman and R. Birks—Quebec, J. Musson & Co., J. Bowles and G. G. Ardouin—Toronto, by Lyman & Bros.—Hamilton, by Winer, Moore & Co., and Hamilton & Kreshaw—Bytown, R. A. Joel and J. Roberts—Richmond, by Foster & Macleay—Woodstock, by T. & H. H. Scott, D. McLaren & Co.—Three Rivers, L. A. Dubord—St. Catharines, C. A. Brouse & E. Palford—Sherbrooke, Wm. Brooks & Co.—Niagara, H. Palford—Cobourg, T. B. Howells—Kingston, E. W. Palmer—Belleville, R. Holden & Co.—Port Hope, Chas. Brent—Dundas, J. M. Thornton—London, C. M. Sims and B. A. Mitchell—Melbourne, Thos. Tait—Brantford, A. H. Cook and O. C. Mills—Brookville, H. S. Humphrey and A. Turner.



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 RICHMOND HILL POST-OFFICE,
 COMMISSIONER IN THE QUEEN'S BENCH,
 FOR THE UNITED COUNTIES OF YORK AND PEEL.

HEARN & POTTER,
 (FROM DOLLOND'S)
Mathematical Instrument Makers,
OPTICIANS AND JEWELLERS,
54, KING STREET, TORONTO.

MANUFACTURERS and Importers of THEODOLITES, LEVELS, TELESCOPES, MICRO-
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 INSTRUMENTS. HYDROMETERS and SACHROMETERS, as used by the Imperial Government.
 SPECTACLES to suit all sights.
 ROYAL ADMIRALTY CHARTS of the St. Lawrence and the Lakes.
Repairing and Adjusting on the Premises.

THE EYE



AND EAR.

DR. F. A. CADWELL,

OCULIST AND AURIST,

OPERATOR ON THE EYE AND EAR.

HAVING concluded a protracted professional engagement abroad, has returned, and resumed
 his business at Toronto, and may be consulted as usual for all diseases appertaining to the

SIGHT OR HEARING.

Dr. C., having during his absence availed himself of many useful and important discoveries in
 the treatment of DEAFNESS, and many diseases of the EYE, can with confidence be consulted
 by those afflicted, as NO CHARGE will be made in any case for examination and opinion.

Dr. Cadwell's Treatise on the Eye and Ear, will be forwarded to any part of the country free
 of charge, by sending the address POST PAID. Communications must also be PRE-PAID, and
 those requiring an answer, ENCLOSE A FEE.

Artificial Eye inserted free of pain.

OFFICE—No. 50, KING STREET EAST.

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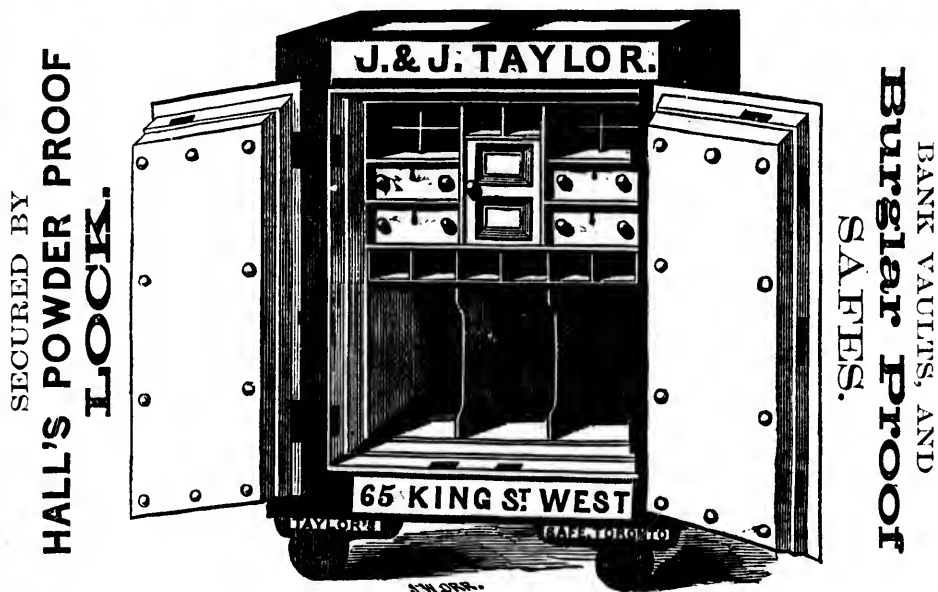
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THOMAS CLARKSON,
Produce and Commission Merchant,
FRONT STREET, TORONTO.

CASH advanced on Wheat. Flour and other Produce for sale here or elsewhere at the owner's option. Agent for the sale of Small Bills on England, Ireland, and Scotland, in sums of £1 and upwards. Milners & Son's, of London and Liverpool,

PATENT FIRST-CLASS SAFES AND DEED CASES,
The strongest wrought iron safe-guard against robbery and fire extant.
Also, Wilder's American SAFES, all warranted.

PROVINCIAL SALAMANDER SAFES!



Manufacturers of the Improved Double Bevel Fire and Burglar Proof Salamander Safes.
A large assortment of Salamander Safes, at prices from \$30 and upwards, always on hand.

GEO. H. CHENEY & Co.,

MANUFACTURERS, IMPORTERS, WHOLESALE AND RETAIL DEALERS IN

COAL GRATES, HALL, COOKING, & BOX WOOD AND COAL STOVES;

PLANISHED AND JAPANED GOODS AND TIN WARE.

PARTICULAR ATTENTION PAID to JOBBING.

STORE—No. 5, St. James's Buildings, King Street, Toronto.

FOUNDRY—CORNER OF QUEEN & VICTORIA STREETS.

WORKS PUBLISHED BY ROBERT DICK.

The Gospel Tribune.—Published monthly for the promotion of Missions and Intercommunion throughout Evangelical Christendom. Price, when paid in advance, 5s. per annum; to Ministers, 2s. 6d. *No Postage charged.*

"The Cup of the Lord," NOT "The Cup of Devils,"—By John Malr, M. D., of Kingston, C.W. 100 copies sent for 15s., *Postage free.*

Gospel Tribune Pamphlets, No. 1.—A LETTER addressed to the non-established Presbyterian Communications of Scotland, by Sir Geo. Sinclair, Bart, of Ulster. 20 copies sent for 5s., *free of Postage.*

Simmons' Laconic Manual.—A book which aims at furnishing the richest variety of good and wholesome sentiments, in the smallest possible number of words. Price, 5s., and sent *free of Postage.*

Simmons' Scripture Manual.—A NEW WORK:—possessing it, the teacher or student of the Bible never

need remain one minute at a loss for all the Scripture texts required on any subject. Price, 6s.; and sent *free.*

Rev. H. Mulkins' Report on the Prohibitory Liquors Laws of New England.—Sent *Post free.* 100 copies for \$5.

Communications of every kind intended for the Publisher, to be addressed as shown in the form below.

All Remittances forwarded by mail, in letters thus addressed and duly registered are at the risk of the Publisher.

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(Tribune Office.)

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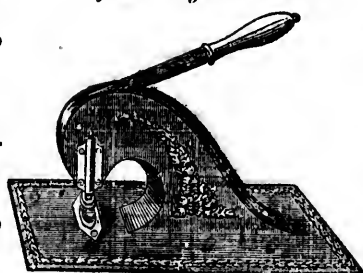
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THE DAILY GLOBE,\$6 per annum.
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THE PRESENT CIRCULATION of the *Globe* (1st Nov., 1855) is 16,176, and it is constantly increasing. Its subscription list is larger than those of the other three City daily papers united, and larger than that of any single business Journal published west of New York.

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VIEW OF MONTREAL.—We are sure all will admit that it would be impossible to have completed a picture more faithfully correct than Mr. Whitefield's View of Montreal.—*Montreal Pilot*.

We are satisfied, from this specimen of his handiwork, that Mr. Whitefield is no pretender, but an accomplished Artist, with the minute fidelity of Portraiture, and much skill in perspective and coloring, and that his picture is infinitely superior to anything of the kind that has ever been attempted.—*Montreal Transcript*.

Mr. Whitefield has completed the most faithful view of our city that we have ever seen.—*Montreal Gazette*.

Mr. Whitefield's view is a remarkably faithful one—the perspective very correct, and well worthy the talents of the artist; and we are glad to have it in our power to add our decided testimony to that of our cotemporaries, respecting the merits of this picture.—*Montreal Courier*.

We have no hesitation in saying, that a more beautiful and elaborately correct view of Montreal could not possibly be executed.—*Montreal Herald*.

VIEW OF QUEBEC.—Mr. Whitefield has completed his view of Quebec, and we have no hesitation in saying, that it is the best, the most correct, and the most judiciously sketched view of Quebec yet taken.—*Quebec Morning Chronicle*.

VIEW OF HAMILTON.—We have been shown by Mr. Whitefield, an engraved copy of his View of Hamilton, which is really beautiful, and in our opinion, as correct as it well could be.—*Hamilton Spectator*.

We have been favored with a glimpse of Mr. Whitefield's

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THE VIEW OF TORONTO which Mr. Whitefield has shown us is the only one which we have yet seen which does anything like justice to this city.—*Old Countryman*.

I am glad to say that Mr. Whitefield has achieved a great feat—he has drawn a good view of Toronto; a thing I scarcely deemed possible.—*Anglo-American Magazine*.

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Mr. Whitefield's views of Ottawa (Lions' Town,) are perfect gems. * * * He has a happy knack of always hitting on the best point from which to make his sketch, added to the masterly manner in which they are executed, is sure to please.—*Anglo-American Magazine*.

Mr. Whitefield's view of Port Hope is an admirable, and at the same time a truthful picture.—*Port Hope Pilot and Ensign*.

A vast number of notices similar to these could be added were there room sufficient for the purpose.

MACLEAR & Co.,

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HAVE great pleasure in embracing this opportunity of laying before their friends and the public generally, a few remarks on the facilities which they possess for supplying every demand connected with their business.

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** The Publishers of the Canadian Almanac regret that in consequence of the pressure of Advertisements, they have been obliged to refuse several applications for space, also to leave out a list of their own publications, which they had prepared.

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THE distinguished patronage with which these sterling Pills have long been honored, the beneficial effects which have constantly resulted from their use, the purity of the ingredients which enter into their composition, the careful and peculiar mode of preparation, and the great and increasing demand for them from every quarter of the globe, prove at once their superiority over all similar preparations in Europe or America. Prepared from the original recipe of the distinguished Physician and Surgeon, the late Sir ASTLEY COOPER.

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E. F. WHITTEMORE & CO.

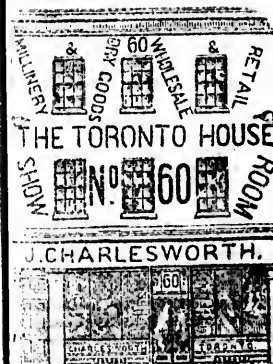
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All of which are offered at the lowest remunerating Prices, and no second price.

An inspection of Stock is solicited.

Remember John Charlesworth, and observe the Wood-cut

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NEW PRINCIPLE! NEW REMEDY!! NO POISON!!! RHODES'S FEVER & AGUE CURE;

OR ANTIDOTE TO MALARIA;

For the Prevention and Cure of Fever and Ague, or Chill Fever; Dumb Ague, and other Intermittent and Remittent Fevers; also of Bilious Fever, accompanied by Typhoid Symptoms; Typhoid Fever, Yellow Fever, Ship and Jail Fever, General Debility, Night Sweats, and all other forms of Disease which have a common origin in

MALARIA OR MIASMA.

THE diseases are common to many localities of the United States; but wherever they prevail, North, South, East or West, they all equally spring from the same miasmatic cause. The great variety of symptoms and forms of disease is owing principally to difference in age, sex, constitution and habits of the sufferers; but as the cause is the same, they will all equally yield to a remedy that is competent to overcome or remove that cause.

By the laws of Nature, every principle has its opposite, and for every disease, or cause of disease, there is a re-agent, or in other words a specific remedy. All Malaria, whether arising from Marshes, Stagnant Water, decomposition of animal and vegetable matter, or even newly cleared lands, is the same in character and effect: is a poison floating in the atmosphere, causing disease to all who breathe it. In accordance with those unalterable laws governing the mercurial affinity subsisting between opposites, there is in the preparation before us, offered to the public,

THE NATURAL ANTIDOTE TO MALARIA,

which neutralizes the poison wherever it comes in contact with it, even in the open air, and when taken internally completely purifies the system affected by it of its baneful influence, and thus restores and preserves health.

The remedy is believed to be entirely new, and unknown to any but the proprietor, who distinctly claims the following extraordinary results from its use:

It will instantly check the ague in persons who have suffered for any length of time; from *one day to twenty years*, and by continuing its use, according to the directions, a radical cure will be effected: the patient continuing free from the complaint for years.

In its operation upon the poison in the system, it will immediately relieve all the distressing symptoms of Bilious or ague diseases, and when the disease is cured, it will entirely prevent the accession of

GENERAL DEBILITY AND NIGHT SWEATS,

which so often follow the administration of other medicines. The patient at once begins to recover appetite and strength, and continues to improve until restored to perfect health.

By its use Fever and Ague may be banished from every family and class in the community; farmers, mechanics, and all labouring people may be using this article as a

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and pursue their respective avocations in perfect safety from ague or bilious attacks during the sickly season, which is often to them the most valuable part of the year.

Since the introduction of the CURE in every part of the United States, its success has been so complete and unvarying as to have fully proved these assertions in favor of its extraordinary merit.

When these declarations were made, at the date of its introduction, they seemed incredible to many, even of the most candid minds, because all the resources of science had been taxed in vain to subdue Ague or Bilious diseases; and what was still worse for Ague sufferers, all their remedies or treatment, whether scientific or empirical, have been limited to the use of poisonous and destructive drugs, such as Arsenic, Quinine, Mercury, Sallaine, &c. The effects of these are sometimes worse than the disease they subdue, and when such remedies fail, or give only temporary relief, their poisonous effects are superadded to the poor sufferer's first complaint.

On this account Ague sufferers should be particularly careful about using any secret Fever and Ague remedies, notwithstanding the makers of them uniformly assert they may be taken with perfect safety, even when it is notoriously well known that their potency depends solely upon destructive poisons.

Now, as a proof that the Remedy is not only valuable on account of its power to cure disease, but that it is also

WORTHY OF PUBLIC CONFIDENCE BECAUSE OF ITS SINGULAR AND ENTIRE HARMLESSNESS.

The following certificate from one of the most celebrated chemists in the United States, has been obtained, and a copy of it is attached to every bottle:

"I have made a chemical examination of Rhodes's Fever and Ague Cure, or Antidote to Malaria, and have tested it for Arsenic, Mercury, Quinine and Strychnine, but have not found a particle of either in it, nor have I found any substance in its composition that would prove injurious to the constitution.

"New York, Monday June 11, 1855.

"JAMES R. CHILTON, M.D., Chemist."

It is a stubborn fact, therefore, that this Remedy is destined not only to relieve the human family from malarious diseases, but to do an equally good work by preventing the taking of other medicines which do harm.

The entire absence of any baneful ingredient makes this Remedy not more valuable as a Cure than it is a preventive.

No class of disease is so easily managed as the one under consideration, if the medicine be taken in advance. This is owing to the diseases being produced by one and the same cause, and therefore all, both residents and travellers, should protect themselves by the timely use of this preventive, and not wait for the poison already lurking in their veins to develop itself in a violent attack. Take the Cure as a preventive, and so destroy the poison before it does harm.

DIET.—Directions for Diet are highly important, and must be closely observed. The Diet should be simple, plainly prepared, and in other respects such as the patient has found to agree best with him. If, however, he is naturally bilious, much meat while in a hot climate, will be found to be decidedly injurious, and a vegetable and highly nutritious diet far preferable. Those differently constituted may use a more generous diet. Meat, when eaten, should be tender, juicy, and not overdone. The food should be thoroughly masticated, and regular hours for meals observed. Since costiveness or unhealthy looseness of the bowels is very pernicious during the sickly seasons the state of the bowels should be closely watched, and, if possible, regulated by diet. The patient can in most cases easily accomplish this most desirable end, by refraining from things which constipate, and taking such diet as loosens the bowels if costive, and so on the contrary if too loose, avoid everything of a relaxing nature.

Among other articles of diet, the following possess constipating qualities: common fine wheat bread, more especially that made by "the baker," because it too often contains alum in its composition; boiled milk; cheese; pepper in any form; salted and smoked meats and fish, and refined sugars; but coarse wheat bread of domestic make, corn bread, corn and rye bread, fresh butter, raw milk, rarely cooked fresh meats, especially venison and pork, raw sugars and molasses are laxative.

HABITS OF LIFE.—Avoid outdoor air from the time of sunset until an hour or two after sunrise, for the malaria or miasma of infected districts is most abundant and active during the night; a bright sun soon causes it to disappear. Also avoid exposure to damp, chilly winds, over exertion, irregularity of habits, anxiety of mind, or other like predisposing causes. Sleeping apartments located in the upper stories are much more healthy than those of the first or lower one, because the poisonous air is the heaviest. The system should have all necessary repose.

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Some constitutions are able to resist all influences for months or years, while others are prostrated by an ague attack after only a few days' exposure. And it generally happens that those cases most speedily produced are the most speedily cured, while those whose constitutions have been gradually undermined by the subtle poison lurking in the system for a length of time, require a greater period in which to regain their health.

In most instances there are several days warning given by premonitory symptoms before the disease breaks out. Be sure to heed these, and by commencing the use of this medicine according to directions, you are assured of arresting it in advance, and of being entirely free from any Ague attack during the whole season. Just compare the trifling cost of this article with the immense loss of time consumed by sickness, and observe what an argument the great difference is in favour of using this certain preventive.

The following directions for using this medicine must be strictly observed:

If the patient is suffering from any form of Intermittent Fever or Ague, it should be taken three times a day, half an hour before each meal, and so continued until the patient feels that a permanent and radical cure is effected. Merely "breaking the chill" is not curing the disease; it is only the commencement. If the patient has been diseased a long time, or for a long time exposed to Malaria, the greater the period required for an effectual cure. Such may require several bottles of this remedy. One or two bottles will suffice for ordinary cases; one bottle will occasionally answer, but cannot be always relied upon for a permanent cure. It will also be prudent to take it once or twice a day, according to the unhealthiness of the locality, until a heavy frost appears, if in a cold or temperate climate; if where frosts do not occur, then it should be taken till some little time after every vestige of the complaint has disappeared.

It will generally be found necessary to precede this medicine by a mild cathartic or antibilious purgative. The very best thing for general use is a moderate dose of Castor Oil, the object of which is to cleanse the stomach and free the biliary passages. REMEMBER that where this is necessary, or there is costiveness it MUST BE TAKEN or the operation of the antidote will be seriously obstructed.

THE DOSE.—The bottle must first be shaken until all the ingredients are thoroughly mixed. The quantity for an adult is a table spoonful. It will be best, however, for ladies or feeble patients to commence with two-thirds the quantity. Any sensation of nausea, or unpleasant feeling at the stomach, is a signal for the dose to be lessened. Most people could take three times the amount without any uncomfortable feelings.

For children above six years of age, about one-half of a table spoonful; and from three to six years, one-third of a table spoonful. From one to three years, thirty drops; and under one year, ten to fifteen drops taken clear or in a little water. Much larger quantities, however, than are necessary to expel disease, may be taken without any injury.

ONLY CAUTION.—In certain specified cases, pour the contents of one or more bottles of the Cure into shallow vessels, (dining plates,) and place them in sleeping-rooms; for the vapour rising from the medicine, and also the air wafted across, or circulated over the dregs of it, after the liquid is evaporated, will counteract and destroy, to a degree commensurate with its exposure, the miasmata or poison contained in the apartment. This mode of exhibiting the Cure should likewise be resorted to when very young infants are exposed to malarious situations.

The bottles in which the medicine is put up have the words "RHODES'S FEVER AND AGUE CURE" blown in the glass, and on the outside wrapper is the name of the medicine, (the copyright of which is secured,) and the signature of the proprietor. These precautions are adopted to prevent counterfeits and imitations.

The reliance for its success is entirely upon its actual merits wherever introduced and used. These will be considered sufficient.

Prepared and sold by the proprietor.

JAMES A. RHODES, Providence, R. I.

Extract of a Letter from Professor Fletcher, who was cured while engaged at Brown University, Prov., R. I.

INDIANAPOLIS, IND., March 1, 1855.

JAMES A. RHODES, Esq.—Dear Sir:—Yours of 15th ult., has been received, and I am glad to hear that a medicine so efficacious is to be introduced into this AQUITAN country. I have the greatest confidence in its success, and can reassure you of its happy effect upon me in entirely breaking up the chills and leaving me strong and healthy.

I like the statement on your wrappers that you will let the medicine stand on its own merits, and standing thus, I am most sanguine of its success.

I expect to travel over a large portion of our State this Spring, and I shall have abundant opportunity to recommend it verbally. Whenever I go I shall take great pleasure in thus testifying to its merits; and if you will instruct your agent to let me have a few bottles, I will carry them with me to distribute for your benefit.

In haste, I remain, truly yours,

MILES J. FLETCHER.

HAD THE AGUE FOR TWELVE YEARS!!!

PROVIDENCE, June 29, 1855.

Having been informed of the illness of a poor but worthy woman, who has not been free from Fever and Ague a month at a time, for the last twelve years, I supplied her gratuitously with Rhodes's Fever and Ague Cure. She took in all four bottles, which completely restored her to health and strength, and as four months have now elapsed, there is no reason to doubt the permanency of the cure.—I am also aware of many other cases in which it has been used, and have never known it to fail.

C. A. P. MASON, Apothecary.

LETTER FROM A POSTMASTER.

MAXWELL, Delaware County, Ohio, August 19, 1855.

Mr. J. A. RHODES.—Dear Sir,—Your medicine has met with the most favorable success in this neighbourhood. I have about five bottles left. I gave it to them at first, "if no cure no pay," although I was not authorized by the article to do so; but I took the responsibility on myself. But not a bottle has come back, and as I am almost out of the article, I wish you would forward me one gross of the bottles, if you see proper to do so, and I will be punctual in payment. I enclose fifteen dollars on the medicine I have received, for which please send me a receipt. Ship the Cure to me as soon as you can; there never has been as much Chills and Fever, since I lived in the State, as at present.

Yours, &c.,

RICHARD MARTIN, Postmaster.

FEVER AND AGUE MEDICINE.

In another column of to-day's paper will be found an advertisement for "RHODES'S FEVER and AGUE CURE" We are not in the habit of puffing medicines, but desire to say, for the benefit of the afflicted, that Wm. N. Rowe, Merchant, Sharpsburgh, who has it for sale, informs us that he has sold several dozen bottles, and in every case it has effected a cure. This proves the medicine to be good, and we take pleasure in bringing it before the notice of the public.—*Odd Fellow, Boonsboro', Md., Sept. 4.*

This season, when there is so much danger to be apprehended from the malaria in the atmosphere, we are constantly breathing, no person should be without the great preventive and sure cure for Fever and Ague, and all bilious complaints.

This is "RHODES'S FEVER and AGUE CURE." With a bottle of it in his possession, any one is safe, though he may be in the most sickly locality. And at the same time, he may feel assured he is taking no remedy worse than the disease. The certificate of its entire innocence, of the celebrated Dr. Chilton, is attached to each bottle.

J. D. Verrington, Wholesale Agent, 69, Clark Street, and for sale by Bay and Baldwin, F. Scammon & Co., and druggists everywhere.—*Chicago Pathfinder.*

AGENTS.—Montreal—S. J. LYMAN & Co., and JOHN GARDNER. Quebec—G. G. ARDOUIN. Hamilton—T. BICKLE & SON. Pictou—A. ELLIOTT, and J. D. B. FRAZER, and by Dealers generally.

CANADA LIFE ASSURANCE COMPANY,

HEAD OFFICE, HAMILTON, C. W.

AGENCY, KING STREET, TORONTO;

WITH AGENCIES THROUGHOUT CANADA, AT ST. JOHN'S, N. B.,
AND ST. JOHN'S, NEWFOUNDLAND.

Capital	£250,000
Accumulated Fund	£65,000
Annual Income	£22,500

MANAGEMENT local and economical; Premiums lower than those of the majority of offices, yet safer, because carrying a larger margin for contingencies; Funds invested in the Province at high rates of interest.

The growth of business has been steady and continuous. The increase of the accumulated assurance fund—a good criterion of prosperity in life assurance—has been, and is, in a ratio fully equal to the advance of income and liabilities. A comparison of the proportion of this fund to the duration of the institution and the extent of its assurances, with the proportion exhibited by other and older offices doing business in the Province, will result largely to the credit of the Canada Company.

At the date of the last-published balance-sheet, the total liabilities were £172,186, and the total assets £244,029, showing a balance in the Company's favor of £71,843. The last year's dividend of profit awarded to assured in the Mutual Branch, of seven years' standing, was equivalent to fifteen per cent. upon the gross premiums received in the twelve months.

Assurances are granted of ordinary or special kinds: for life, with or without Profit, Endowments, Half-Credit, on Joint Lives and Survivorship. Annuities, immediate and deferred. Assurance and Annuity combined on a new and simple plan.

Money received at interest or for accumulation at higher rates than are allowed by banks or savings' banks, and on terms of withdrawal not less advantageous.

Detailed information and all requisite papers may be obtained on application to THOS. M. SIMONS, Secretary, Hamilton, or to any of the Company's agents.

DR. HOOFLAND'S CELEBRATED GERMAN BITTERS.

Prepared by Dr. C. M. JACKSON, Philadelphia, Pa.

WILL effectually cure LIVER COMPLAINT, DYSPEPSIA, JAUNDICE, Chronic or Nervous Debility, Diseases of the Kidneys, and all diseases arising from a disordered Liver or Stomach.

Such as Constipation, Inward Piles, Fulness
or Blood to the Head, Acidity of the Stomach, Nausea, Heart-
burn, Disgust for Food, Fulness or Weight in the Stomach, Sour Eructations,
Sinking or Fluttering at the Pit of the Stomach, Swimming of the Head, Hurried and Difficult
Breathing, Fluttering at the Heart, Choking or Suffocating Sensations when in a lying posture, Dimness of
Vision, Dots of Webs before the Sight, Fever and Dull Pain in the Head, Deficiency of Perspira-
tion, Yellowness of the Skin and Eyes, Pain in the Side, Back, Chest, Limbs, &c.,
Sudden Flushes of Heat, Burning in the Flesh, Constant Imagin-
ings of Evil, and Great Depression of Spirits.

The proprietor, in calling the attention of the public to this preparation, does so with a feeling of the utmost confidence in its virtues and adaptation to the diseases for which it is recommended.

It is no new and untried article, but one that has stood the test of a ten years' trial before the American people, and its reputation and sale is unrivalled by any similar preparations extant. The testimony in its favor given by the most prominent and well-known physicians and individuals in all parts of the country, is immense.

The general want of success in treating diseases of the liver and stomach, has not been a deficiency of pathological knowledge of their functions, but of a suitable compound that would act upon the disease and all the sympathetic affections. That has been gained in these Bitters: and they can be used by persons with the most delicate stomach with perfect safety—as they at no time debilitate the patient, but give strength and increase the nervous energy. They can be taken at all times, and under all circumstances. No ordinary exposure will prevent them having a salutary effect, and no bad effect can result from an over dose.

If patients will persevere in the use of this remedy, and use it strictly according to directions, it will cure the foregoing diseases in every instance, if not beyond the power of medicine. It has caused many to enjoy the blessing of renewed health, and in many desperate and abandoned cases, a perfect and radical cure.

THEY ARE ENTIRELY VEGETABLE,

And free from Alcoholic Stimulant, and all injurious ingredients; are pleasant in taste and smell, mild in their operation, will expel all morbid secretions from the body, give bloom to the pallid cheek, and health and vigor to the frame.

Price 75 cents per bottle.

Principal Office, No. 96 ARCH STREET, Philadelphia, Pa. Sold by Druggists and Storekeepers in every town and village in the United States and Canada.

THE OLD STAND!SIGN OF THE
GOLDEN26, KING ST. EAST,
TORONTO, C.W.

And Commercial Buildings, Dundas Street, London, C.W.

THE Subscriber, as every body knows, is one of the largest, best, and most successful
manufacturers of

READY-MADE CLOTHING, HATS, CAPS, SHIRTS, &c.,

in Canada West, and will supply the Trade Wholesale Cheap.

He is now receiving an immense assortment of British and Foreign DRY GOODS, Staple and
Fancy, purchased by himself in the best markets, which will be sold cheap to the Trade.

Terms—liberal. Call and examine before purchasing. ROBERT WALKER.

LYMAN, BROTHERS & Co.,

KING STREET, TORONTO,

WHOLESALE DRUGGISTS

IMPORTERS OF

Drugs, Chemicals, Medicines, Perfumery, &c.,

KEEP constantly on hand a large Stock of Goods in their line of business for the supply of
Druggists, Doctors, Merchants, and Pedlars. They deal largely in all kinds of**OILS, PAINTS, BRUSHES, SEEDS, &c., &c.,**

Which they offer on the most liberal terms for Cash, or approved paper.

GEORGE HARCOURT'S**CLOTHING AND TAILORING ESTABLISHMENT,****No. 11, King Street,****OPPOSITE NORDHEIMER'S MUSIC STORE,****TORONTO.****G.** H. keeps constantly on hand a large Stock of READY-MADE CLOTHING,
of the best material and workmanship, and of the latest fashion; also, a
superior Selection of**BROAD CLOTHS, CASSIMERES, DOESKINS,****TWEEDS, VESTINGS, &c., &c.****Gentlemen leaving their Measure may depend upon having a Good Garment,
Well made and Cheap.**

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W. R. BROWN,

WOODEN WARE AND HOUSE FURNISHINGS.

ANGUS DALLAS,

No. 20, KING STREET WEST, TORONTO.

BASKETS,
BRUSHES, BROOMS,
PAILS, TUBS, SIEVES,
MEASURES,
TIN BATHS.



DOOR MATS,
FLOORMATTING,
WOOL MOPS,
ROPES AND T. & S.

JAPANNED WARE, CHAMOIS SKINS, COMBS AND TOYS.

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TORONTO.

SANDS' SARSAPARILLA,

IN QUART BOTTLES,

For Purifying the Blood, and for the Cure of Scrofula, Rheumatism, Stubborn Ulcers, Dyspepsia, Salt Rheum, Fever Sores, Erysipelas, Pimples, Biles, Mercurial Diseases, Cutaneous Eruptions, Liver Complaint, Bronchitis, Consumption, Female Complaints, Loss of Appetite, General Debility, &c.

This scientific preparation combines, in a highly concentrated form, all the medicinal virtues of Sarsaparilla, compounded with other rare vegetable extracts, potent in the cure of disease, and yet incapable of injuriously affecting the most delicate constitution. It acts simultaneously upon the stomach, bowels, kidneys, liver and the circulation. It determines and carries off the products of unhealthy secretions, and gently stimulates, while it disinfects and expels from the stomach and bowels all that is irritating, until they are cleaned, and restored to a sound and healthy condition.

Another Cure of Scrofula.

Troy, N. Y., September 1st, 1854.

Messrs. A. B. & D. SANDS: Gentlemen,—I have for nearly three years been troubled with that dreadful disease, Scrofula; so much so, as to be offensive to my husband and to myself; and to obtain relief have tried every kind of medicine that came under my notice, without effect. One of my neighbours who had been cured of a similar complaint by your Sarsaparilla, advised me to make a trial of it, and I can truly say that it has done me a world of good, having completely cured me. Hoping that my evidence may induce others similarly afflicted to adopt the same remedy, with the same satisfactory results,

I remain, gratefully yours,

SARAH A. J. POHLMAN.

Prepared and sold, wholesale and retail, by A. B. & D. SANDS, Druggists and Chemists, 100 Fulton Street, corner of William, New York. Sold by druggists generally throughout the United States and Canadas. Price \$1 per bottle; six bottles for \$5.

For sale by J Musson & Co., and J. Bowles, Quebec; W. Lyman & Co., Montreal; S. F. Urquhart, Toronto; T. Bickle & Son, Hamilton; G. Baker & Co., Kingston; B. A. Mitchell, London; O. C. Mills & Co., Brantford; Canada; Morton & Co., Halifax, N. S.; and T. Walker & Son, St. John, N. B.

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