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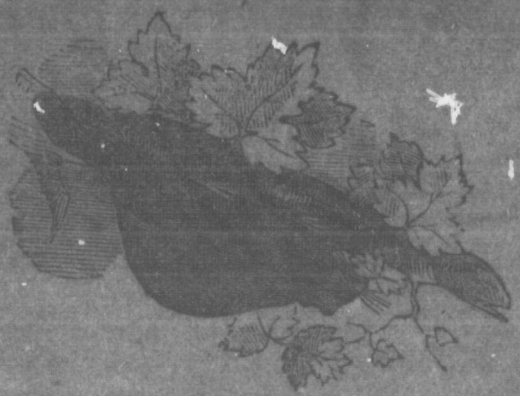
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ROBERT ROMAINÉ,

PUBLISHED BY

Published and given gratuitously to the Subscribers  
of the "Peterborough Review."

Being the Third after Bissextile or Leap year, and until  
the 20th June, the Thirtieth Year of the  
Reign of Her Majesty Queen Victoria.



1867.

FOR THE YEAR OF OUR LORD

FARMERS' ALMANAC

CANADIAN

The Peterborough Review

# GLASGOW WAREHOUSE!

## JOHN ERSKINE,

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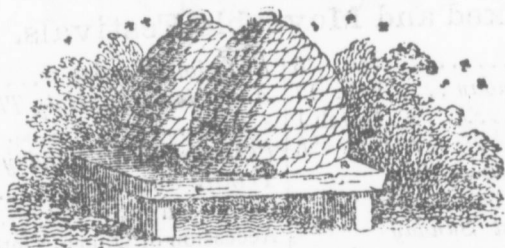


GO TO THE REVIEW OFFICE FOR JOB PRINTING.

The Peterboro' Review  
CANADIAN  
FARMER'S ALMANAC,

FOR THE YEAR OF OUR LORD

1867,



Being the Third after Bissextile or Leap Year, and until the  
20th of June, the Thirtieth Year of the Reign of Her  
Majesty, Queen Victoria.

Calculated for the Meridian of Toronto, in Latitude  $43^{\circ} 39'$   
North, and Longitude 5 hours 18 minutes West of the Royal  
Observatory, Greenwich, but will answer with sufficient ex-  
actness for the whole of Upper Canada.

Entered according to Act of Provincial Legislature, in the Year of our  
Lord One Thousand Eight Hundred and Sixty-six, by ADAM MILLER,  
in the Office of the Registrar of the Province of Canada.

PETERBORO' REVIEW  
BOOK & JOB PRINTING OFFICE,  
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No. 4 Market Block, Peterboro', C.W.

BLANK BOOKS OF EVERY DESCRIPTION MADE TO ORDER.

SUBSCRIBE FOR THE PETERBORO' REVIEW.

The Publisher of this Almanac, in presenting another yearly edition, trusts that the improvements he has made in the matter, will continue to extend its popularity. The prognostications of the probable state of the weather are based upon the rules said to be drawn up by Herschel, Clarke, and Darwin, combined with a practical acquaintance with the Canadian climate.

**Chronological Cycles and Epochs.**

Dominical Letter .....	F	Julian Period .....	6580
Golden Number .....	6	Jewish year, commencing 10th	
Epact, Moon's Age, Jan. 1st....	25	September, 1867.....	5628
Solar Cycle .....	28	Roman Indiction.....	10
		Mahomedan Era, May 5th 1867	1284

**Fixed and Moveable Festivals.**

Epiphany.....	Jan. 6	Rogation Sunday.....	May 26
Septuagesima Sunday .....	Feb. 17	Ascension Day, Holy Thurs-	
St. David.....	March 1	day .....	" 30
Ash Wednesday .....	" 6	Pentecost, Whit Sunday ...	June 9
Quinquagesima Shrove Sun-		Trinity Sunday .....	" 16
day .....	" 3	Corpus Christi.....	" 20
Quadragesima, 1st Sunday		Accession of Queen Victoria	" 20
in Lent.....	" 10	Proclamation .....	" 21
St. Patrick.....	" 17	St. John, Midsummer day..	" 24
Annunciation, Lady Day..	" 25	St. Michael, Michaelmas day	Sept 29
Palm Sunday.....	April 14	Birth of the Prince of Wales	Nov. 9
Good Friday.....	" 19	St. Andrew.....	" 30
Easter Sunday .....	" 21	1st Sunday in Advent .....	Dec. 1
St. George.....	" 23	St. Thomas .....	" 21
Low Sunday .....	" 28	Christmas Day .....	" 25
Birth of Queen Victoria ...	May 24		

**Holidays Observed at Public Offices.**

Circumcision .....	Jan. 1	Corpus Christi.....	June 20
Epiphany.....	" 6	St. Peter and St. Paul.....	" 29
Annunciation .....	March 25	All Saints' Day .....	Nov. 1
Good Friday .....	April 19	Conception of the Blessed	
Ascension Day .....	May 10	Virgin Mary.....	Dec. 8
Queen's Birthday .....	" 24	Christmas Day.....	" 25

**Beginning and Length of the Seasons.**

Winter begins, December 21st, 1866.....	H. 12	M. 49	} Greenwich Mean Time.
Spring begins, March 21st, 1867.....	1	46	
Summer begins, June 21st, 1867.....	10	19	
Autumn begins, September 23rd, 1867 .....		42	
Winter begins, December 21st, 1867 .....	6	46	

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THE PETERBORO' REVIEW

Printing and Book-binding

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**TO THE FARMERS.**

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**Ready Made Clothing!**

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**T. FAIRWEATHER & Co.,**

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	D.	H.	M.
Length of the the Winter, 1866-7.....	89	0	57
Length of the Spring, 1867.....	92	20	33
Length of the Summer, 1867.....	93	14	23
Length of the Autumn, 1867.....	89	18	4
Sun North of the Equator.....	186	10	56
Sun South of the Equator.....	178	19	1
During the year 1866-7, Sun longer in N Signs.....	7	15	55
Average excess of Sun in N. signs.....	7	16	51
Length of the Tropical year, commencing at the Winter Solstice, 1866, and terminating at the Winter Solstice, 1867.....	365	6	00
Average length of Tropical year.....	265	5	48 <sup>2</sup> / <sub>3</sub>

The Sidereal year is 365.256. The Anomalistic year 365.260.

The Anomalistic year is an advance of the orbit as part of the solar system in space, and its excess over the Sidereal or Tropical year, is the stellar measure of the annual advance of the whole system.

### Eclipses during the year 1867.

In the year 1867, there will be two Eclipses of the Sun, and Two of the Moon.

- I. On the 5th and 6th March, there will be an Annular eclipse of the Sun, invisible on this Continent.
- II. On the 20th March, a partial eclipse of the Moon visible in Canada, the phases occurring at the following times, viz., 1st contact with penumbra, 1.36 a m., 1st contact with shadow, 1.49 a m., centre of eclipse, 3.32 a m., last contact with shadow, 5.05 a m., last contact with penumbra, 6.15 a m., and as the Moon sets at that time, it will set apparently eclipsed.
- III. On the 28th, 29th August, a total eclipse of the Sun visible only in the South Atlantic Ocean and land adjacent.
- IV. On the 13th September, a partial eclipse of the Moon, visible in Canada, and as the eclipse will have begun previous to the Moon's rising, the first phase visible will be the middle of the eclipse at 7.09 p m., last contact with the shadow occurring at 8.39 p m., last contact with the penumbra, 10.50 p m.

### Appearances of the Planets 1867.

Jupiter will be a morning star until the 20th May, then an evening star until the 21st November, subsequently a morning star. Mars will be an evening star until the 15th April, then morning star. Saturn will be a morning star from the 12th February to the 29th July afterwards an evening star. Venus a morning star till September 25th then evening star.

Saturn's rings will be favourably situated for observation throughout 1867, the Sun and the Earth being elevated on the same side of it. Mars will be in opposition January 10th affording a favourable opportunity for observations for determination of the parallax. The satellites of Jupiter are invisible from January 11th to March 1st, Jupiter being too near the Sun.

## Explanation of the Calendar Pages.

### Column

- 1 & 2 Contains the days of the month and week.  
 3 & 4 The rising and setting of the Sun's *centre* in Mean time.  
 5 The time of the Sun's passing the meridian the difference of which from noon will give the equation of time.  
 6 The Sun's declination or distance North or South of the Equator.  
 7 The rising and setting of the Moon—the setting being given from New to Full, and the rising from Full to New Moon.  
 8 The time of the Moon's southing or passing the meridian.

The letter *m* signifies morning, and *a* afternoon.

The top of each page gives the Moon's phases, or times of New and Full Moon, and of the first and last quarters, or two quadratures with the Sun.

The *Epact* is simply a derivative from a Greek word to intercalate, and signifies nothing more than the Moon's age at the end of the year, the only use of it is to adjust the lunar to the solar year.

CYCLE OF THE MOON is a period of 19 years, after which the new moons come back to the same days of the months, only about an hour and a half earlier in the day, the number of years in the Cycle is called the *Golden Number*, because it determines on which day of the month Easter Day shall fall.

CYCLE OF THE SUN is a period of 28 years, after the expiry of which the days of the Month throughout the year return to the same days of the week, if it was not for leap years, it is obvious the Cycle would consist only of seven years.

ROMAN INDICTION, a period of 15 years used by the ancient Romans, still used by the ecclesiastical authorities of Rome who date their acts according to its year.

JULIAN PERIOD the product of these three cycles multiplied by each other [ $19 \times 28 \times 15$ ,] and thus amounting to 7980, it had an imaginary beginning 710 years before the creation so that we are now in the 6580th year of it when in the year 3267 A.D., this period shall be completed the three cycles will start together again.

DOMINICAL LETTER, The 1st of January of each year is denoted by the letter A and so on until the seventh is denoted by G; after which we go back to A for the eighth and so on throughout the year. Now the letter which stands against all the Sundays of the year, is called the Dominical Letter for that year. There is an exceptional arrangement in the case of leap years, in them the letter is changed at the end of February, moving a letter backwards so that every leap year has two Dominical Letters,

The divisions of time are simply measures and these we call years, months, weeks, &c, these are partly natural and partly arbitrary. The natural are the day and years; the former being the time in which the earth rotates on its axis; the latter, that in which it revolves once round the sun. The abstract day is always equal from noon to noon. The source from which the names of the days of the week are derived are as follows. Sunday the day of the Sun. Monday the day of the Moon. Tuesday is the day of the God of war in the old German mythology, and so corresponding to the Mars of the Romans. Wednesday is the day of Wodein, one of the chief deities of the Germans and undoubtedly the same as the oriental Buddha. Thursday is the day of Thor, corresponding in some respects to the Jupiter of the Romans. Friday is the day of Freya the German Venus. Saturday is the day of Sator or Saturn.

The beginning either of the eq some argument fixed on the 1st of up to 1752 the y this however st having all along which our series birth of Christ, according to the be done in the sixth true date is 4 or selves reckon from sometimes from temple, and from nations date from Medina on the 10 synodical month years they count periods of four The Romans rec Rome, namely 7

The Planets b the planet is to planet is to the about 290 days than  $48^\circ$  from t elongation it ap sated by its bein Mercurys; to Mars; 973 Jup nearest is three the second 7,20 ring is said to r hours and 10 m is seldom scen. and in Perigee tude we somet arises from the days near the same time by t sing as we proo must be two ed the moon are a year. There v December 22. total eclipse o atmosphere wh

According periodic show this is correct, astonishing to 1867.



The beginning of the year is altogether an arbitrary arrangement, if either of the equinoxes or solstices had been chosen there would have been some argument for so doing, but it was mere convention when it was fixed on the 1st of January, and this custom is almost of recent date for up to 1752 the year in England began on annunciation day 25th March, this however strange only refers to the civil year, the historical year having all along been reckoned from the 1st January. The point from which our series of years date, is as with all Christian nations from the birth of Christ, and in the ordinary computation we are in 1867, but according to the best chronologers that era has erroneously fixed, that being done in the sixth century and by an abbot of Rome, and we are told the true date is 4 or 5 years earlier than thus fixed. The Jews among themselves reckon from the creation. The ancient Jews reckoned variously, sometimes from the creation, the flood, the exodus, the building of the temple, and from the Babylonian captivity. All the Mohammedan nations date from the Hegira, or the flight of Mohammed from Mecca to Medina on the 16th July, 622, but as they reckon by years of twelve lunar synodical months they are always getting in advance, as to the number of years they count by their system. The Greeks reckoned by Olympiads or periods of four years each, the date of the first olympiad being 776 B.C. The Romans reckoned from the date usually assigned to the foundation of Rome, namely 753 B.C.

The Planets being called morning and evening stars, is simply when the planet is to the west of the sun and rises before it; and when the planet is to the east and sets after it, in the case of Venus it is alternately about 290 days a morning and evening star; Venus never moves more than  $48^\circ$  from the Sun, when between its inferior conjunction and greatest elongation it appears brightest, its want of size being more than compensated by its being so much nearer the earth, the Sun is equal to 20,610,000 Mercurys; to 1,520,000 Venuses; to 1,328,400 Earths; to 9,394,000 Mars; 973 Jupiters; 1,399 Saturns; Saturn's ring is double and the nearest is three times as broad as the other, the one being 20,000 miles and the second 7,200 miles; the space between them is 2,839 miles; the inner ring is said to rotate in 11 hours and 16 minutes, and the outer part in 17 hours and 10 minutes. Mercury never moves above  $28^\circ$  from the sun and is seldom seen. When the Moon is in Apogee it is 252,600 miles distant, and in Perigee only 222,400 miles; owing to the Moon's libration in latitude we sometimes see one pole, and then the other, the harvest moon arises from the varied angle of the ecliptic, so that the moon for several days near the autumnal equinox rises nearly at sunset, and about the same time by the clock, this irregularity is nothing at the equator, increasing as we proceed north. As the ecliptic limits of the sun are  $80^\circ$  there must be two eclipses of the sun; every year, but, as the ecliptic limits of the moon are about  $23^\circ$  there may be no eclipse of the moon within the year. There will be considerable eclipses of the sun February 23, 1868, December 22, 1870; August 19, 1887; and August 9, 1896; during a total eclipse of the sun light is derived by reflection from parts of the atmosphere where it is not total.

According to the theory of the celebrated Astronomer OLBER, the periodic showers of Shooting Stars attains a maximum in 84 years, if this is correct, and from previous coincidence it is confirmed, a display of astonishing brilliancy may be looked for about the 11-18 November, 1867.

1st Month.      January, 31 Days.      Begins on Tuesday.

Moon's Phases.		Kingston.	Toronto.	London.
	D.	h. m.	h. m.	h. m.
New Moon .....	5	7 25 a.	7 12 a.	7 04 a.
First Quarter.....	13	11 29 m.	11 16 m.	11 08 m.
Full Moon .....	20	2 31 m.	2 18 m.	2 10 m.
Last Quarter .....	27	9 43 m.	9 30 m.	9 22 m.

M	Week	Sun.		Sun on Merid.	Sun's Declination.	Moon Rises and Sets.	Moon on Merid.	EVENTS, &c.
		Rises.	Sets.					
		h. m.	h. m.	h. m.	° ' S.	h. m.	h. m.	
1	Tues.	7 39	4 29	12 04	23 00	3 25m	8 41m	<i>Circumcision.</i>
2	Wed.	7 39	4 30	12 04	22 55	4 21	9 27	Burke born, 1730. Clear
3	Thur	7 39	4 31	12 05	22 49	5 14	10 13	2nd, Moon's ap. 3 p.m. Cold,
4	Frid.	7 38	4 32	12 05	22 43	6 06	11 02	Earthq. in Canada, 1663.
5	Sat.	7 38	4 33	12 06	22 37	Sets	11 50	Becoming Stormy,
6	SUN.	7 38	4 34	12 07	22 31	5 42 a	0 38 a	<i>Epiphany.</i>
7	Mon.	7 38	4 35	12 07	22 25	6 38	1 25	Heavy
8	Tues.	7 38	4 36	12 08	22 17	7 37	2 12	Galileo died 1642. Snow
9	Wed.	7 38	4 37	12 09	22 09	8 38	2 59	Detroit captured. and
10	Thur.	7 38	4 38	12 09	22 00	9 42	3 46	London Ex. burnt, 1838.
11	Fri.	7 37	4 39	12 09	21 50	10 48	4 34	Rain. January
12	Sat.	7 37	4 40	12 09	21 38	11 54	5 22	First steamer on Clyde 1812
13	SUN.	7 37	4 41	12 09	21 26	Morn	6 12	<i>1st Sunday after Epip'ny</i>
14	Mon.	7 37	4 42	12 10	21 16	1 01m	7 05	Thaw, Mild with
15	Tues.	7 37	4 43	12 10	21 07	2 10	8 01	Gen. Wolfe born, 1726.
16	Wed.	7 36	4 44	12 10	20 56	3 20	8 59	Moon's perigee, 9 a.m.
17	Thur.	7 35	4 46	12 11	20 44	4 27	10 00	Franklin born, 1706.
18	Fri.	7 34	4 47	12 11	20 31	5 32	11 01	occasional showers
19	Sat.	7 34	4 49	12 11	20 18	6 31	Morn.	James Watt born 1736. of
20	SUN.	7 33	4 50	12 11	20 04	Rises.	0 02m	<i>2d Sunday after Epip'ny.</i>
21	Mon.	7 33	4 51	12 12	19 50	6 57 a	0 59	20th. 1st E. Parliam't 1261
22	Tues.	7 32	4 52	12 12	19 35	8 07	1 54	Lord Byron, born, 1788.
23	Wed.	7 31	4 54	12 12	19 20	9 12	2 46	Burns born, 25, 1759. Rain
24	Thur	7 30	4 55	12 12	19 06	10 17	3 34	Becoming colder,
25	Fri.	7 29	4 56	12 13	18 52	11 18	4 21	Conversion of St. Paul.
26	Sat.	7 28	4 57	12 13	18 37	Morn.	5 07	Moon's apogee, 3 a.m. 27th
27	SUN.	7 27	4 58	12 13	18 21	0 19m	5 52	<i>3rd Sunday after Epip'ny.</i>
28	Mon.	7 26	5 00	12 13	18 05	1 16	6 37	Gibbon, historian, d. 1794.
29	Tues.	7 25	5 2	12 14	17 49	2 13	7 22	Ends very
30	Wed.	7 24	5 3	12 14	17 34	3 07	8 08	Charles I. beheaded, 1646.
31	Thur.	7 23	5 5	12 14	17 22	3 59	8 56	Moon's ap. 7 p.m. Stormy.

JANUARY.—During this, as it were, sleep of nature, the farmer cannot be too strongly urged to employ the time, when the necessary duties of household and cattle permit, in studying agricultural books and periodicals, such as the *Canada Farmer*. Of course their proper place is simply as aids to that practical knowledge which can only be acquired by experience; and, as the theory is now exploded, that any one can make a farmer, he must be a man of education and thought. The suggestions contained in these books give room for thought, and if tried on a small scale and modified to suit locality, &c., may lead step by step to his social improvement, and, in no occupation in life is there so much occasion for calling upon the aid of science, and the understanding of the close connection betwixt true farming and it.

Tuesday.

London.

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7 04 a.  
11 08 m.  
2 10 m.  
9 22 m.

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n, 1730. Clear  
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Rain. January  
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W.M. EASTLAND,

Ready-Made Clothing!

LADIES' MANTLES, JACKETS, &c.

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1867]

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Choice Family Teas &

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GOOD VALUE for their Money.

Trashy Goods are Avoided!

The Stock Large and

PRICES ARE LOW.

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MEMORANDUM FOR JANUARY.

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2nd Month. February, 28 Days. Begins on Friday.

Moon's Phases.		Kingston.	Toronto.	London.
	Day.	h. m.	h. m.	h. m.
New Moon.....	4	1 11 a.	0 58 a.	0 50 a.
First Quarter.....	11	8 36 a.	8 23 a.	8 15 a.
Full Moon.....	18	2 36 a.	2 23 a.	2 15 a.
Last Quarter.....	26	6 28 m.	6 15 m.	6 07 m.

M	Week	Sun.		Sun on Merid.	Sun's Declination.	Moon Rises and Sets.	Moon on Merid.	EVENTS, &c.
		Rises.	Sets.					
1	Fri.	7 22	5 06	12 14	17 05	4 48m	9 44m	Stormy and keen
2	Sat.	7 21	5 08	12 14	16 47	5 33	10 32	Candlemas.
3	SUN.	7 20	5 09	12 14	16 29	6 15	11 21	4h Sunday after Epiphany
4	Mon.	7 19	5 10	12 14	16 11	Sets.	0 09 a	Snow.
5	Tues.	7 17	5 11	12 14	15 52	6 32 a.	0 57	Mild
6	Wed.	7 16	5 13	12 14	15 32	7 35	1 45	Dr. Priestly d., 1804. weat'r.
7	Thur.	7 15	5 15	12 15	15 13	8 40	2 33	Mary Qn of S'd. beh., 1587.
8	Fri.	7 14	5 17	12 15	14 54	9 46	3 21	Becoming colder
9	Sat.	7 12	5 19	12 15	14 37	10 52	4 10	Canada ceded to G. B. 1763
10	SUN.	7 11	5 21	12 15	14 20	Morn'g.	5 01	5h Sunday after Epiphany
11	Mon.	7 09	5 22	12 15	14 01	0 00	5 55	Queen Victoria mar. 1840.
12	Tues.	7 07	5 23	12 14	13 41	1 08m	6 51	11th Washington b 1733.
13	Wed.	7 06	5 24	12 14	13 21	2 15	7 49	and very
14	Thur.	7 04	5 24	12 14	13 00	3 19	8 47	Moon's perigee 5 a.m., 15th
15	Fri.	7 03	5 25	12 14	12 39	4 16	9 46	Nat. debt of Eng. com. 1500
16	Sat.	7 01	5 26	12 14	12 19	5 09	10 43	keen.
17	SUN.	6 59	5 28	12 14	11 58	5 55	11 39	Septuagesima. Milder
18	Mon.	6 57	5 29	12 14	11 37	Rises.	...	Canada settled, 1534. with
19	Tues.	6 56	5 30	12 14	11 16	6 51 a	0 32m	18th Luther d. 1546. some
20	Wed.	6 55	5 32	12 14	10 54	7 57	1 23	Tythes abol. in U. C. 1823.
21	Thur.	6 53	5 34	12 14	10 32	9 02	2 11	Cranmer burnt, 1556.
22	Fri.	6 51	5 36	12 14	10 11	10 02	2 58	Washington b., 1732,
23	Sat.	6 50	5 37	12 14	9 49	11 03	3 44	pleasant days.
24	SUN.	6 49	5 38	12 14	9 28	Morn'g.	4 30	Sexagesima.
25	Mon.	6 47	5 39	12 14	9 04	0 00	5 16	Month ends
26	Tues.	6 46	5 40	12 14	8 42	0 56m	6 02	Moon's apogee, 3 a.m. 27th
27	Wed.	6 44	5 42	12 13	8 19	1 50	6 49	Earthq. at Kingston, 1817.
28	Thur.	6 43	5 43	12 13	7 57	2 40	7 37	stormy.

Much of the success of the Wool grower depends upon the care and attention bestowed upon his sheep during winter months. Sheep are animals which pay their owners better for good care and keeping than any other stock usually kept upon a farm; but if fed with a stingy hand, or neglected, if suitable conveniencies are wanting, they pay as poorly as any. The annual loss on this continent, for want of suitable sheds for the winter keep of sheep, is very great. The principal is sound, that warm enclosures are equivalent, to a certain extent, for food; and as a large proportion of food consumed in winter is required to maintain the animal heat, consequently in proportion as the shelter is good, within certain limits, the less food will be required,

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Genuine Drug  
Hair, Nail  
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# WILLIAM BELL,

(Licenciate Apothecaries' Hall, London, England,)

## CHEMIST & DRUGGIST

*George Street, Peterboro', 2 doors north of Mr. Cluxton's,*

Genuine Drugs, Chemicals, Patent Medicines, Dye Stuffs, Perfumery,  
Hair, Nail and Tooth Brushes, Fancy Soaps, &c. Pennsylvania  
Rock Oil by Barrel or Gallon, a general assortment of Coal  
Oil Lamps and Fittings of Latest Patterns.

 Prescriptions carefully prepared at all Hours.



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Office over Ormond & Gilmour's Drug Store,

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## WM. MERCER & BROS.,

*TAILORS and*

# Men's Haberdashers!

GEORGE STREET,

PETERBOROUGH, C. W.

# DENTISTRY.

## D. PENTLAND, Dentist

Begs to inform the public that he is now prepared to

### **Extract Teeth Without Pain**

By the aid of NITROUS OXIDE GAS. Teeth Filled in the most careful manner. Teeth Inserted,—from One to a Full Sett,—in the various styles, and warranted equal to any work done in the largest Cities.

D. P. is also Agent for R. S. Williams' MELODEONS, ranging in Price from \$55 to \$180. VICTORIA ORGANS from \$80 to \$300.

These Instruments are Warranted for Five Years, and have the approval of the very best Judges.

A Good Stock of SHEET MUSIC always on hand

## JOHN BROWN, CABINET MAKER,

## Upholsterer, Undertaker, &c.

Opposite the American Hotel,

GEORGE STREET, PETERBORO'.

SOFAS, Book Cases, Sideboards, Bureaus, Easy Chairs, Dining and Parlour Chairs, Whatnots, Tables, &c., Matresses of Hair, Corn Husk, Cotton, Sea Weed and Straw.

Looking Glasses, Gilt Mouldings, Pictures, Picture Frames, &c., &c., &c.

**COFFINS ALWAYS ON HAND,**

**FUNERALS ATTENDED WITH HEARSE.**

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1867]

MEMORANDUM FOR FEBRUARY.

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3rd Month.      March, 31 days.      Begins on Friday.

Moon's Phases.		Kingston.	Toronto.	London.
	D.	h. m.	h. m.	h. m.
New Moon.....	6	4 34 m.	4 21 m.	4 13 m.
First Quarter.....	13	3 43 m.	3 30 m.	3 22 m.
Full Moon.....	20	3 51 m.	3 38 m.	3 30 m.
Last Quarter.....	28	2 41 m.	2 28 m.	2 20 m.

M Week	SUN.		Sun on Merid.	Sun's Declination.	Moon Rises and Sets.	Moon on Merid.	EVENTS, &c.
	Rises	Sets.					
	h. m.	h. m.	h. m.	° ' "	h. m.	h. m.	
1 Frid.	6 42	5 44	12 13	S 7 34	3 27m	8 25m	<i>St. David's Day.</i> March comes in
2 Sat.	6 40	5 45	12 12	7 11	4 10	9 13	
3 SUN.	6 39	5 46	12 12	6 48	4 49	10 01	<i>Quinquagesima. Sh. Sund.</i> 1st Am. Congress, 1798 like 6th, York ch. to Toronto. & <i>Ash Wednesday.</i> lion. Wm. III. d. 1720. Milder. Rain follows
4 Mon.	6 37	5 47	12 12	6 26	5 25	10 49	
5 Tues.	6 36	5 49	12 12	6 03	Sets.	11 38	<i>Rizzio ass. 1556.</i> with high
6 Wed.	6 34	5 50	12 12	5 40	6 29a	0 27a	
7 Thu.	6 32	5 51	12 11	5 16	7 34	1 16	<i>1st Sunday in Lent.</i> President str. sailed, 1841. Moon's per. 6 p.m. wind 12, Desjardin's br'ge ac. '57 Changeable
8 Frid.	6 31	5 52	12 11	4 52	8 42	2 06	
9 Sat.	6 30	5 54	12 11	4 29	9 51	2 58	<i>Cornwallis' vic. 1781.</i> set- <i>Cæsar inv. Brit. 55 B.C.</i> tling
10 Sun.	6 28	5 55	12 10	4 05	11 00	3 51	
11 Mon.	6 26	5 56	12 10	3 42	Morn'g.	4 46	<i>St. Patrick, 2nd Sun. in Lt</i> into snow and Newton d. 1727. storm, which continues Spring equinox. with wind and
12 Tues.	6 24	5 58	12 10	3 18	0 07m	5 44	
13 Wed.	6 22	5 59	12 10	2 55	1 12	6 41	<i>3rd Sunday in Lent.</i> <i>Lady Day.</i> rain. Moon's apogee, 11 p.m. 26, D. of Cambridge b. 1819 Colder and more snow.
14 Thur.	6 20	6 00	12 10	2 32	2 11	7 39	
15 Frid.	6 18	6 02	12 09	2 07	3 05	8 35	<i>4th Sunday in Lent.</i>
16 Sat.	6 16	6 03	12 09	1 44	3 51	9 30	
17 SUN.	6 14	6 04	12 09	1 20	4 33	10 22	<i>5th Sunday in Lent.</i>
18 Mon.	6 12	6 05	12 08	0 56	5 10	11 13	
19 Tues.	6 11	6 06	12 08	0 32	Rises.	...	<i>6th Sunday in Lent.</i>
20 Wed.	6 09	6 07	12 08	S 0 08	6 41a	0 02m	
21 Thur.	6 07	6 08	12 07	N 0 15	7 47	0 49	<i>7th Sunday in Lent.</i>
22 Frid.	6 05	6 09	12 07	0 38	8 49	1 55	
23 Sat.	6 03	6 11	12 07	1 02	9 48	2 22	<i>8th Sunday in Lent.</i>
24 SUN.	6 01	6 12	12 06	1 25	10 46	3 08	
25 Mon.	5 59	6 13	12 06	1 48	11 40	3 55	<i>9th Sunday in Lent.</i>
26 Tues.	5 57	6 15	12 06	2 12	Morn'g.	4 41	
27 Wed.	5 55	6 16	12 05	2 36	0 33m	5 29	<i>10th Sunday in Lent.</i>
28 Thur.	5 53	6 17	12 05	2 59	1 21	6 17	
29 Frid.	5 51	6 18	12 05	3 23	2 03	7 04	<i>11th Sunday in Lent.</i>
30 Sat.	5 49	6 19	12 05	3 47	2 45	7 52	
31 SUN.	5 48	6 20	12 04	4 10	3 23	8 40	

**CULTIVATION OF FRUIT TREES**—In spite of the climatic changes which sometimes render fruit growing an uncertain venture in Canada, there can be little fear for a general success if care is taken in the selection of suitable varieties and subsequent cultivation. All who propose to plant trees ought to invest some money, care, and labour, say one dollar's worth for each young tree, to purchase, plant and care for it the first year, and fifty cents each year afterwards. This would suffice; and in a few years would repay as a good investment. Let the farmer consult some experienced person as to the sorts suitable to his district, instead of purchasing imported trees for some temporary advantage, and he will be tenfold sure of success.

WHOLESALE

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WHOLESALE] 1867. [RETAIL

# MONTREAL HOUSE.

When you visit Peterborough, do not neglect to call at the Montreal House and examine

THE VERY LARGE ASSORTMENT

OF

## Spring and Summer Goods!

To be Received and Opened out during this month.

Goods of BEST QUALITIES and NEWEST STYLES sold on SMALLER PROFITS than usual. Don't fail to call.

JAS. W. DUNNETT.

Agent for Wanzer's Celebrated Sewing Machines.

# MEDICAL HALL.

## A. W. KEMPT,

DEALER IN

### Genuine Drugs and Chemicals

Patent Medicines, Paints, Oils, Colors, Dye Stuffs, Perfumery, Spices, Hair, Nail & Tooth Brushes, Smelling & Toilet Bottles, Fancy Soaps, Culinary Essences, Cattle Medicines, &c.

## LAMPS AND CHIMNEYS!

Always on hand in great variety.

Also, —COAL OIL by the Barrel or Gallon, Cheap.

# I. ROBINSON & Co.

Invite attention to their Large Stock of

## Dry Goods, Groceries!

READY-MADE CLOTHING,

### HATS, CAPS AND FURS.

—ALSO,—

## CLOTHING MADE TO ORDER!

In the Newest Style and Best Manner.

# JOHN TAYLOR & Co.

PENITENTIARY

## Boot & Shoe Store,

### 41,

GEORGE STREET, PETERBORO',

SIGN OF THE



### GIANT BOOT.

In addition to a greatly improved Class of Goods from the Penitentiary, a Large Stock from the best manufacturers in the Province, has lately been introduced here. The Proprietors' aim is thus to render this Establishment more deserving of Public Patronage, and better prepared to meet the requirements of their numerous Customers.

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1867]

MEMORANDUM FOR MARCH.

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4th Month.

April, 30 days. Begins on Monday.

1867]

Moon's Phases.		Kingston.	Toronto.	London.
	D.	h. m.	h. m.	h. m.
New Moon.....	4	5 59 a.	5 46 a.	5 38 a.
First Quarter.....	11	10 05 m.	9 52 m.	9 44 m.
Full Moon.....	18	6 02 a.	5 49 a.	5 41 a.
Last Quarter.....	26	8 56 a.	8 43 a.	8 35 a.

M Week	DAYS.	SUN.		Sun on Merid.	Sun's Declination.	Moon Rises and Sets.	Moon on Merid.	EVENTS, &c.
		Rises.	Sets.					
		h.m.	h.m.	h. m.	° ' "	h. m.	h. m.	
1	Mon.	5 47	6 21	12 04	N4 34	3 56m	9 28m	<i>All Fools' Day.</i> Early
2	Tues.	5 45	6 22	12 04	4 56	4 29	10 16	Mirabeau d. 1791. part
3	Wed.	5 43	6 23	12 03	5 19	5 02	11 05	2nd, Bat. Copenhagen, 1801
4	Thur.	5 41	6 24	12 03	5 42	Sets.	11 56	of mouth
5	Frid.	5 39	6 26	12 03	6 05	7 36a	0 49a	Canada disc. 1499. fair
6	Sat.	5 37	6 27	12 03	6 28	8 47	1 42	and pleasant.
7	SUN.	5 35	6 29	12 02	6 50	9 58	2 39	<i>5th Sunday in Lent.</i>
8	Mon.	5 33	6 31	12 02	7 13	11 05	3 37	7th, Moon's perig. 8 p.m.
9	Tues.	5 31	6 32	12 02	7 34	Morn'g.	4 26	Hudson's B. Co. chtd. 1692
10	Wed.	5 30	6 33	12 01	7 56	0 07m	5 34	1st charter of Virginia, 1606
11	Thur.	5 28	6 34	12 01	8 19	1 02	6 31	Changeable
12	Frid.	5 26	6 35	12 01	8 40	1 51	7 26	Florida discovered, 1512.
13	Sat.	5 25	6 36	12 01	9 03	2 33	8 18	with
14	SUN.	5 24	6 37	12 00	9 25	3 11	9 08	<i>Palm Sunday.</i> cold
15	Mon.	5 22	6 38	12 00	9 46	3 46	9 56	Bat. Culloden, 1745. rains
16	Tues.	5 20	6 40	12 00	10 08	4 16	10 43	and wind,
17	Wed.	5 19	6 41	12 00	10 29	4 47	11 29	Franklin d. 1790. becom-
18	Thur.	5 17	6 43	11 59	10 50	Rises.	...	17th, Brock's mnmt. des.'40
19	Frid.	5 16	6 44	11 59	11 11	7 37a	0 15m	<i>Good Friday.</i> ing finer
20	Sat.	5 15	6 45	11 59	11 32	8 35	1 02	and more favourable.
21	SUN.	5 13	6 46	11 59	11 52	9 35	1 48	<i>Easter Sunday.</i>
22	Mon.	5 11	6 47	11 58	12 12	10 24	2 35	Generally
23	Tues.	5 10	6 49	11 58	12 32	11 13	3 22	Moon's apogee 8 p.m. <i>St. George.</i>
24	Wed.	5 09	6 50	11 58	12 51	11 59	4 09	
25	Thur.	5 07	6 51	11 58	13 12	Morn'g.	4 57	Cromwell b. 1599. fine
26	Frid.	5 05	6 52	11 58	13 31	0 40m	5 44	Hume d. 1741. with
27	Sat.	5 03	6 53	11 58	13 51	1 27	6 31	Bat. of York, 1813. showers
28	SUN.	5 01	6 54	11 57	14 10	1 54	7 18	<i>1st Sunday after Easter.</i>
29	Mon.	5 00	6 55	11 57	14 28	2 17	8 05	G. eclipse of Sun, 1652.
30	Tues.	4 59	6 56	11 57	14 47	2 59	8 54	of rain.

GARDEN SEEDS.—In choosing seeds, the fullest and plumpest are the best, and the plants springing from them will be strong or feeble, according to their vigour. As a general rule, old seeds are not to be depended on. Those which are of an oily character in particular, very soon fail after maturity, while others, if kept in a cool, dry state, retain their vitality for a considerable length of time. The keeping of them damp, which makes them grow, if properly sown, causes seeds to rot, if not sown. In order to test the vitality of seeds sow a few in a pot or box of earth, and keep it warm and moist exposed to the sun for a while, and if good they will begin to sprout and grow. Steeping for twenty-four hours in tepid water, and then coating them with plaster, will hasten the germination of most dry, hard seeds.

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MEMORANDUM FOR APRIL.

1867]

Monday.

London.

h. m.  
5 38 a.  
9 44 m.  
5 41 a.  
8 35 a.

TS, &c.

Early  
1791. part  
Denmark, 1801  
of mouth  
1499. fair  
and pleasant.

Lent.  
perig. 8 p.m.  
Co. chtd. 1692  
Virginia, 1606  
Changeable  
covered, 1512.  
with

cold  
n, 1745. rains  
and wind,  
1790. becom-  
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5th Month.

May, 31 Days. Begins on Wednesday.

Moon's Phases.		Kingston.	Toronto.	London.
New Moon.....	D. 4	h. m. 2 36 m.	h. m. 2 23 m.	h. m. 2 15 m.
First Quarter.....	10	5 00 a.	4 47 a.	4 39 a.
Full Moon.....	18	8 48 m.	8 35 m.	8 27 m.
Last Quarter.....	26	0 18 a.	0 05 a.	11 57 m.

M	Week	Sun.		Sun on Merid.	Sun's Declination.	Moon Rises and Sets.	Moon on Merid.	EVENTS, &c.
		Rises.	Sets.					
		h. m.	h. m.	h. m.	° ' N.	h. m.	h. m.	
1	Wed.	4 57	6 57	11 57	15 06			
2	Thur.	4 55	6 58	11 57	15 24	3 32m	9 43	
3	Fri.	4 54	6 59	11 57	15 42	4 05	10 35	May Jamaica dis. 1494. begins
4	Sat.	4 52	7 00	11 57	15 59	4 39	11 28	4th. Clocks introd. 1264.
	SUN.	4 51	7 01	11 57	16 17	Sets.	0 25a	5th. Nap. I. d. cold, with
5	Mon.	4 50	7 02	11 56	16 34	7 39a	1 24	2nd Sunday after Easter.
6	Tues.	4 49	7 03	11 56	16 50	8 49	2 24	5th. Moon's perigee, 6 p.m.
7	Wed.	4 48	7 05	11 56	17 07	9 54	3 25	6th. Oswego taken, 1814.
8	Thur.	4 47	7 06	11 56	17 24	10 54	4 25	Venus' rev. on axis dis. 1668.
9	Fri.	4 46	7 08	11 56	17 39	11 48	5 21	frequent showers.
10	Sat.	4 45	7 09	11 56	17 55	Morn'g. 0 34m	6 15	Bat. Lodi, 1796. Becoming
	SUN.	4 44	7 10	11 56	18 10		7 06	12th. Perceval assn. 1812.
12	Mon.	4 42	7 11	11 56	18 25	1 13	7 54	3rd Sunday after Easter.
13	Tues.	4 42	7 12	11 56	18 39	1 49	8 41	fairer and
14	Wed.	4 41	7 13	11 56	18 54	2 20	9 27	Vaccination tried, 1796.
15	Thur.	4 40	7 14	11 56	19 08	2 50	10 12	O'Connell d. 1847. spring-
16	Fri.	4 39	7 15	11 56	19 21	3 19	10 58	like.
17	Sat.	4 38	7 16	11 56	19 35	3 49	11 44	Tallyrand d. 1838.
	SUN.	4 37	7 17	11 56	19 48	Rises.		Again
19	Mon.	4 36	7 18	11 56	20 01	8 19a	0 30	4th Sunday after Easter.
20	Tues.	4 35	7 19	11 56	20 13	9 10	1 17	Columbus d. 1506. chang-
21	Wed.	4 34	7 20	11 56	20 25	9 57	2 05	Moon's apogee, 6 a.m.
22	Thur.	4 34	7 21	11 56	20 37	10 39	2 52	1st Eng. Rail. Act pas. 1801.
23	Fri.	4 33	7 22	11 57	20 48	11 18	3 39	Franklin sailed, 1845. able
24	Sat.	4 33	7 22	11 57	20 59	11 54	4 26	Birth Queen Victoria, 1819.
	SUN.	4 32	7 23	11 57	21 10	Morn'g. 0 27m	5 12	weather.
26	Mon.	4 31	7 24	11 57	21 20	0 59	5 58	Rogation Sunday. End
27	Tues.	4 30	7 25	11 57	21 31	1 29	6 45	Hab. Corpus Act pas. 1679.
28	Wed.	4 30	7 26	11 57	21 39	2 00	7 33	Pitt born, 1759.
29	Thur.	4 29	7 27	11 57	21 48	2 35	8 21	of
30	Fri.	4 28	7 28	11 57	21 57	3 12	9 13	month
	SUN.						10 07	Ascension Day. very
								Chalmers d. 1847. rainy.

PERIODS OF SOWING.—The time when our common cultivated fruit trees exhibit the petals of their flowers, is, with few exceptions, the proper season for sowing garden seeds in open culture. Dry weather is the best for sowing, because the earth is in a crumbling state, fit to receive the seeds, instead of clogging around them, and when the rake, or other instrument for pulverizing the soil, can be used with most effect. With regard to the depth necessary to cover seeds, experience teaches the gardener better than any fixed rule which can be given. It is a mistake to suppose that all kinds of seeds must be well buried, in order that the young plants may have a good hold of the ground, because seeds, in general, when they begin to grow, plunge their roots downwards, and throw their stems upwards.

on Wednesday.

London.	
	h. m.
2	15 m.
4	39 a.
8	27 m.
11	57 m.

EVENTS, &c.

May  
 dis. 1494. begins  
 ks introd. 1264.  
 I. d. cold, with  
 day after Easter.  
 n's perigee, 6 p.m.  
 ego taken, 1814.  
 v. on axis dis. 1668.  
 frequent showers,  
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tivated fruit  
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 their roots

# A. WILLIAMS,

Has on hand a large assortment of

## GROCERIES, PROVISIONS,

## GLASSWARE,

## Crockery and Wooden Ware,

Which are equal to any ever offered in Peterborough, and will be sold at very LOW PRICES for CASH.

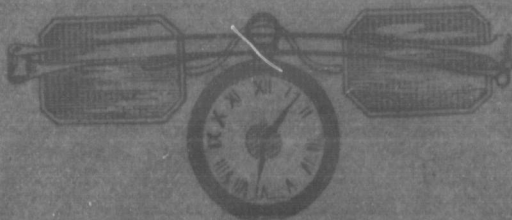
Country Produce taken in exchange for Goods.

GEORGE STREET, PETERBOROUGH.

# JOHN McCLELLAND,

Stevenson's Block, George Street, Peterborough,

(SUCCESSOR TO T. BROWN,)



## Watch Maker, Jeweler, &c.,

Begs to intimate to the public of Peterborough, that he keeps constantly on hand, a choice assortment of CLOCKS, WATCHES, JEWELRY and FANCY GOODS. Intending purchasers will do well to examine his Stock before purchasing elsewhere.

**The Long Arm Chop Tea Warehouse.**

**W. M. DONNELLY,**

Wholesale and Retail Dealer in

**Teas and General Groceries!**

Would respectfully announce that he has just established a First Class TEA and GENERAL GROCERY WAREHOUSE, in the Store lately occupied by Messrs. R. Johnston & Son, George Street, where he will keep constantly on hand, and sell Cheap for Cash, a large and well selected assortment of First Class

**TEAS, COFFEES, SUGARS, SPICES, &c.**

He hopes by strict attention to business, and always keeping the best Goods, to merit a share of the Public Patronage.

**W. G. THOMSON & Co.**

**Millinery & Dry Goods!**

IMPORTERS and Wholesale and Retail dealers in

**Bonnets, Hats, Flowers, Feathers**

AND

**GENERAL DRY GOODS!**

FIRST CLASS

**MILLINERY & MANTLE ROOMS**

Connected with the Establishment.

**GEORGE STREET, PETERBORO'.**

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1867]

MEMORANDUM FOR MAY.

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ROOMS

ORO'

6th Month.

June, 30 Days.

Begins on Saturday.

Moon's Phases.		Kingston.		Toronto.		London.	
	Day..	h.	m.	h.	m.	h.	m.
New Moon.....	2	10	08 m.	9	55 m.	9	47 m.
First Quarter.....	9	1	33 m.	1	20 m.	1	08 m.
Full Moon.....	16	11	50 a.	11	37 a.	11	29 a.
Last Quarter.....	25	0	23 a.	0	10 a.	0	02 a.

M Week	Days.	Sun.		Sun on Merid.	Sun's Declination.	Moon Rises and Sets.	Moon on Merid.	EVENTS, &c.
		Rises.	Sets.					
		h. m.	h. m.	h. m.	° ' N	h. m.	h. m.	
1	Sat.	4 27	7 29	11 58	22 04	3 52	11 05m	Battle of Lime Ridge.
2	SUN.	4 27	7 30	11 58	22 11	Sets.	0 06m	<i>Sunday after Ascension.</i>
3	Mon.	4 27	7 31	11 58	22 19	8 43a	1 09	Moon's perigee, 1 a m.
4	Tues.	4 26	7 32	11 58	22 26	9 39	2 10	3d Transit of Venus, 1769.
5	Wed.	4 26	7 32	11 58	22 33	10 30	3 11	Changeable weather.
6	Thur.	4 25	7 32	11 59	22 40	11 13	4 08	Gradually
7	Fri.	4 25	7 32	11 59	22 46	11 50	5 01	U. States Bank inst., 1791.
8	Sat.	4 25	7 33	11 59	22 51	Morn'g.	5 52	becomes
9	SUN.	4 24	7 34	11 59	22 56	0 24	6 40	<i>Whit Sunday.</i> more
10	Mon.	4 24	7 34	11 59	23 01	0 55	7 26	Riots in Montreal, 1853.
11	Tues.	4 23	7 35	11 59	23 06	1 25	8 12	Roger Bacon died, 1294.
12	Wed.	4 23	7 35	11 59	23 10	1 55	8 57	New York incorpor'd 1665.
13	Thur.	4 23	7 36	12 00	23 13	2 25	9 42	settled and
14	Fri.	4 23	7 36	12 00	23 17	2 58	10 28	American Tea Taxed, 1767.
15	Sat.	4 23	7 37	12 00	23 19	3 34	11 14	Magna Charta signed, 1215
16	SUN.	4 23	7 37	12 00	23 22	Rises.	Morn'g.	<i>Trin. Sunday.</i> hot,
17	Mon.	4 23	7 37	12 01	23 24	7 54a	0 02m	Moon's apogee. 11 a.m
18	Tues.	4 23	7 38	12 01	23 25	8 38	0 49	Battle of Waterloo, 1815.
19	Wed.	4 23	7 38	12 01	23 26	9 19	1 36	Q'n Victoria's accession '37
20	Thur.	4 23	7 38	12 01	23 27	9 56	2 23	Corpus Christi, close
21	Fri.	4 23	7 39	12 01	23 27	10 31	3 10	Summer Solstice. with
22	Sat.	4 24	7 39	12 01	23 27	11 02	3 56	Thunder.
23	SUN.	4 24	7 39	12 01	23 27	11 32	4 41	<i>1st Sunday after Trinity.</i>
24	Mon.	4 24	7 39	12 01	23 26	Morn'g.	5 27	St. John, Mid Sum. day.
25	Tues.	4 24	7 39	12 02	23 24	0 02m	6 14	Bt. of Bamockburn, 1314.
26	Wed.	4 25	7 39	12 02	23 22	1 32	7 02	Unsettled and
27	Thur.	4 25	7 39	12 02	23 19	1 07	7 54	English cap. B. Ayres, 1806
28	Fri.	4 25	7 39	12 02	23 15	1 45	8 49	Queen's Cor'n 1838. Wet.
29	Sat.	4 26	7 39	12 03	23 12	2 28	9 46	St. Peter and St. Paul.
30	SUN.	4 26	7 39	12 03	23 10	3 19	10 48	<i>2nd Sunday after Trinity</i>

Ploughing is one of the most important branches of agriculture, necessary even to its existence. The object to be attained is threefold: 1st, to pulverize the soil; 2nd, to expose a great depth of soil to the action of the atmosphere; 3rd, to hold the many fertilizing substances brought down by rain and snow, and absorbed by the soil. A small proportion of water during rains, more or less heavy, sinks into the soil when shallow-ploughed; such soil is sooner affected by the drouth, and is dry at a greater depth than deep earth. Common ploughing does not reach sufficiently deep to accomplish all that is desired, but deep ploughing and its good results are effected by following the common plough with the subsoil plough. It simply loosens the subsoil, and leaves it in that state, that roots can enter it, that air can permeate it, and water be absorbed by it.

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EVENTS, &c.

of Lime Ridge.

Day after Ascension.  
 's perige, 1 a m.  
 Transit of Venus, 1769.  
 Changeable weather.  
 Gradually  
 ates Bank inst., 1791.  
 becomes

Sunday. more  
 in Montreal, 1853.  
 Bacon died, 1294.  
 York incorpor'd 1665.  
 settled and  
 ean Tea Taxed, 1767.  
 a Charta signed, 1215

Sunday. hot,  
 s apogee. 11 a.m  
 of Waterloo, 1815.  
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 Thunder.

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 n, Mid Sum. day.  
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# M. MILLAR,

WHOLESALE & RETAIL.

## HARDWARE MERCHANT,

Offers for sale, on the BEST TERMS and LOWEST PRICES, a large and varied assortment of

**Hardware, Paints, Oils, Window Glass,**  
&c., &c., &c.

For the Haying and Harvesting Season of 1867 will be offered the Largest Stock of

## FARMERS' IMPLEMENTS,

ever received in Peterborough, consisting of Scythes from various manufacturers, Snaths and Cradles, Hay Forks, Rakes, &c., from which Farmers can select the choicest of Goods at a very MODERATE PRICE.

**CALL and EXAMINE.**

George Street, next to W. Cluxton's, Peterboro.

## Groceries & Provisions.

### JOHN MOLONEY,

Is still holding out at his OLD STAND,

No. 3, Burnham's Block, George St.,

Where will be found the usual Choice Assortment of

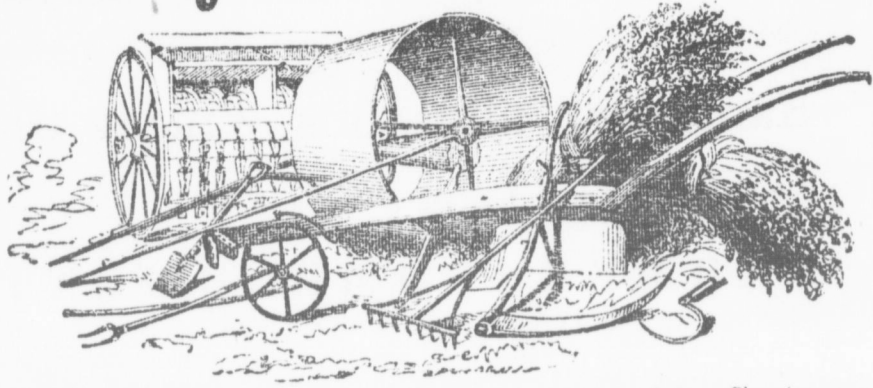
**TEAS, SUGARS, COFFEES,**

And GENERAL GROCERIES. Also,—A First Rate Supply of FISH, both Dry Salt and in Pickle.

COUNTRY PRODUCE taken in Exchange, and the Highest Market Price allowed.



# HELM'S Foundry and Machine Shop.



The subscriber begs to intimate to his Customers  
that he is still at the

**OLD STAND, SIMCOE STREET.**

SOLE MAKER OF

**Hill's Celebrated Steel Ploughs!**

The Patent for which he has secured for the County. He is now  
prepared to make to order


**STEAM ENGINES & BOILERS,**

Grist and Saw Mill Machinery,

**LIGHT & HEAVY CASTINGS**

OF ALL DESCRIPTIONS.

All kinds of Castings that are usually found in a FIRST CLASS  
ESTABLISHMENT kept constantly on hand.

 Brass Castings of all descriptions made to order.

All kinds of Repairing promptly attended to. Patterns in general  
use furnished Free of Charge.

**WILLIAM HELM,**

Simcoe Street, Peterborough.

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1867]

MEMORANDUM FOR JUNE.

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Ploughs !

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BOILERS,

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made to order.

patterns in general

HELM,

reet, Peterborough.

7th Month.

July, 31 days.

Begins on Monday.

Moon's Phases.		Kingston.	Toronto.	London.
	D.	h. m.	h. m.	h. m.
New Moon .....	1	4 44 a.	4 31 a.	4 23 a.
First Quarter.....	8	0 27 a.	0 14 a.	0 06 a.
Full Moon.....	16	2 52 a.	2 39 a.	2 31 a.
Last Quarter.....	24	8 28 m.	8 15 m.	8 07 m.
New Moon.....	30	11 39 a.	11 26 a.	11 18 a.

M Week	DAYS.	SUN.		Sun on Merid	Sun's Declination.	Moon Rises and Sets.	Moon on Merid.	EVENTS, &c.
		Rises.	Sets.					
		h.m.	h.m.	h. m.	N ° ' /	h. m.	h. m.	
1	Mon.	4 27	7 39	12 03	23 07	7 24a	11 50m	Moon's perigee, 10 a.m
2	Tues.	4 28	7 39	12 04	23 03	8 18	0 52a	1st, Bat. of Nile, 1798. Hot
3	Wed.	4 29	7 39	12 04	22 58	9 05	1 53	2d, Peel d. 1850. and bright.
4	Thur.	4 29	7 39	12 04	22 54	9 47	2 50	U. S. Independence, 1776.
5	Frid.	4 29	7 38	12 04	22 48	10 24	3 44	Sover'n's first issued, 1817.
6	Sat.	4 30	7 38	12 04	22 42	10 57	4 35	
7	SUN.	4 31	7 38	12 05	22 36	11 27	5 22	3rd Sunday after Trinity.
8	Mon.	4 32	7 37	12 05	22 29	11 58	6 09	Braddock deftd 1775. Fre-
9	Tues.	4 33	7 37	12 05	22 22	Morn'g.	6 55	Calvin b. 1509. quent
10	Wed.	4 34	7 37	12 05	22 15	0 33m	7 40	thunder storms
11	Thur.	4 35	7 36	12 05	22 07	1 00	8 26	Canada inv. 1812. and
12	Frid.	4 36	7 36	12 05	21 59	1 35	9 12	Battle Aughrim, 1690.
13	Sat.	4 36	7 35	12 05	21 51	2 13	9 59	heavy rains.
14	SUN.	4 37	7 35	12 06	21 42	2 55	10 46	4th Sunday after Trinity.
15	Mon.	4 38	7 34	12 06	21 33	3 41	11 34	14th, Moon's apogee 3 p.m.
16	Tues.	4 39	7 34	12 06	21 23	Rises.	.....	
17	Wed.	4 40	7 33	12 06	21 13	7 58a	0 21m	Battle of Cressy, 1346.
18	Thur.	4 41	7 32	12 06	21 03	8 33	1 08	Changeable,
19	Frid.	4 42	7 31	12 06	20 52	9 06	1 54	Kirk takes Quebec, 1629.
20	Sat.	4 43	7 30	12 06	20 41	9 35	2 40	Cooler, with
21	SUN.	4 44	7 29	12 06	20 30	10 05	3 25	5th Sunday after Trinity.
22	Mon.	4 45	7 28	12 06	20 18	10 37	4 11	wind and
23	Tues.	4 46	7 29	12 06	20 06	11 08	4 59	Canadas united, '40. rain.
24	Wed.	4 47	7 30	12 06	19 53	11 44	5 47	23d, 1st Eng. Npaper pub.
25	Thur.	4 48	7 29	12 06	19 40	Morn'g	6 39	Bat. Lundy's La. '13 [1588.
26	Frid.	4 49	7 28	12 06	19 27	0 22m	7 33	becoming hotter
27	Sat.	4 50	7 26	12 06	19 14	1 03	8 31	and more
28	SUN.	4 50	7 24	12 06	19 00	2 00	9 31	6th Sunday after Trinity.
29	Mon.	4 51	7 22	12 06	18 46	3 01	10 33	Moon's perigee, 7 p.m
30	Tues.	4 52	7 20	12 06	18 32	Sets.	11 34	29th, Sp. Arm. dest. 1588.
31	Wed.	4 53	7 19	12 06	18 17	7 41a	0 34a	Penn died, 1718. sutry.

HAY is one of the most important crops, whether as regards market or home consumption. The comparison of cattle fed upon hay properly made, retaining flesh and improving in appearance, and others, where the hay is improperly cured, absolutely appearing to starve when withdrawn from the pasture, would be enough to prove to any one that the more care exercised upon this crop the better in every respect. The quality of the hay depends on the herbage of which it is composed, on the stage in which it is cut, and on the process of making.

To produce rich and propuctive pastures, we must anticipate nature by thoroughly stocking the land with a good variety of the best grasses, such as are palatable and nutritious; that resist drought and grow at low temperatures; that are large growers, and spring quickly after being cropped,



on Monday.

*London.*

h. m.
4 23 a.
0 06 a.
2 31 a.
8 07 m.
11 18 a.

ENTS, &c.

gricee, 10 a.m  
f Nile, 1798. Hot  
1850. and bright.  
pendence. 1776.  
irst issued, 1817.

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1509. quent  
thunder storms  
v. 1812. and  
ghrim, 1690.  
heavy rains.

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u's apogee 3 p.m.

Cressy, 1346.  
Changeable,  
s Quebec, 1629.  
Cooler, with

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GENERAL INSURANCE OFFICE,

22, BROADWAY

W. CLUXTON, Agent.

Liverpool, London and Globe,

FIRE and LIFE,

Invested Funds, £1,000,000 Annual Revenue, £500,000

LONDON

ASSURANCE CORPORATION

Established 1720 by Royal Charter

British American Assurance Company

CAPITAL £1,000,000

WILLIAMS & WATSON

INSURANCE COMPANY

CAPITAL £1,000,000

BOX STOVES FROM \$2,  
 COOK STOVES FURNISHED COMPLETE at \$12,  
**AT LANNIN'S**  
 Canadian Stove and Tin Shop.

The subscriber would invite the attention of Farmers and others to his stock of Stoves, Agricultural Furnaces, Tin, Copper and Sheet Iron Ware,—the largest and best assortment to be found in Peterborough,—and being a thoroughly practical man, all articles in his line being manufactured under his own immediate superintendance, he can warrant them to his customers, at the very *Lowest Prices*.

THOMAS LANNIN.

P. S.—Jobbing of all kinds promptly executed. Bell-hanging, Pump-fitting, Mill and Brewery Work, Brand-cutting, Baths of all kinds made to order.

T. L.

**JAMES BEST,**  
 DEALER IN  
 Dry Goods & Groceries.

His Stock is Large and Well Selected, and he offers his Goods at  
 as LOW RATES as any House in Town.

**CALL AND EXAMINE THEM.**

DIXON'S NEW BLOCK,

One door South of Jas. Stevenson's,

GEORGE STREET.

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LAS LANNIN.

Bell-hanging,  
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MEMORANDUM FOR JULY.

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Moon's Phases.		Kingston.	Toronto.	London.
First Quarter.....	D. 6	h. m. 3 04 m.	h. m. 1 59 m.	h. m. 2 43 m.
Full Moon.....	15	5 33 m.	5 20 m.	5 12 m.
Last Quarter.....	22	4 18 a.	4 05 a.	3 57 a.
New Moon.....	30	8 00 m.	7 47 m.	7 39 m.

DAYS.	SUN.		Sun on Merid.	Sun's Declination.	Moon Rises and Sets.	Moon on Merid.	EVENTS, &c.
	M Week	Rises.					
1 Thur.	4 54	7 18	12 06	18 02	8 19a	1 30m	Lammas Day. Hot,
2 Frid.	4 55	7 16	12 06	17 47	8 55	2 23	Battle of Blenheim, 1704.
3 Sat.	4 56	7 15	12 06	17 32	9 27	3 14	
4 SUN.	4 56	7 14	12 06	17 16	9 58	4 02	
5 Mon.	4 57	7 13	12 06	17 00	10 29	4 49	Close. thunder
6 Tues.	4 57	7 11	12 06	16 43	11 01	5 36	Battle of Brownston, 1812.
7 Wed.	4 58	7 09	12 06	16 27	11 26	6 22	Prince Arthur born, 1850.
8 Thur.	4 58	7 07	12 05	16 10	Morn'g	7 08	and rain.
9 Frid.	4 59	7 06	12 05	15 53	0 52m	7 55	Canning died 1827.
10 Sat.	5 00	7 05	12 05	15 36	0 53	8 42	Becoming cold
11 SUN.	5 01	7 04	12 05	15 18	1 28	9 30	St. Lawrence discov. 1555.
12 Mon.	5 03	7 03	12 05	15 00	2 27	10 17	
13 Tues.	5 05	7 02	12 05	14 42	3 19	11 04	8th Sunday after Trinity.
14 Wed.	5 07	7 01	12 04	14 23	4 15	11 51	11th. Moon's apogee. 1 a.m.
15 Thur.	5 09	6 59	12 04	14 04	Rises.		and wet for
16 Frid.	5 10	6 57	12 04	13 46	7 40a	0 38m	1st Printed Book, 1457.
17 Sat.	5 11	6 55	12 04	13 27	8 09	1 24	Scott born 1771.
18 SUN.	5 12	6 53	12 04	13 08	8 40	2 10	Ben Johnson died 1637.
19 Mon.	5 14	6 51	12 03	12 48	9 11	2 57	some time.
20 Tues.	5 15	6 49	12 03	12 28	9 44	3 45	9th Sunday after Trinity.
21 Wed.	5 16	6 47	12 03	12 08	10 21	4 34	Rumford died, 1803.
22 Thur.	5 17	6 45	12 03	11 48	11 03	5 27	Becoming finer and
23 Frid.	5 18	6 43	12 02	11 28	11 51	6 22	French land in Irel'd, 1798
24 Sat.	5 19	6 41	12 02	11 08	Morn'g	7 19	Amer. War began 1775.
25 SUN.	5 20	6 39	12 02	10 48	0 47m	8 18	more harvest like.
26 Mon.	5 21	6 37	12 02	10 26	1 49	9 18	
27 Tues.	5 22	6 36	12 01	10 05	2 57	10 17	10th Sunday aft. Trinity.
28 Wed.	5 23	6 35	12 01	9 44	4 07	11 14	Moon's Perigee, 9 p.m.
29 Thur.	5 24	6 34	12 01	9 23	Sets.	0 09a	Bombard. of Algiers, 1816.
30 Frid.	5 25	6 34	12 01	9 01	7 24a	1 01	John Baptist beheaded.
31 Sat.	5 26	6 33	12 00	8 40	7 56	1 52	C. J. Napier died 1853.

FLAX.—It is believed by many that Flax is a most exhaustive crop, but it is to be doubted if it is more so than most of the small grains, all of them are so if the land is continually cropped, and nothing returned to the soil. Experiments of Professor Johnson showed that flax is less exhausting than either wheat or oats, judging from the amount of phosphoric acid given by its a-h No plant, not yielding food, is more useful to man than the flax plant, independent of its products it has the advantage of giving employment not only to an agricultural, but to a manufacturing population. Much depends on the thickness of sowing, it must be sown thick to yield a fine fibre, it must also be pulled before the seed is ripe; but a coarser fibre and a crop of linseed are often much to be preferred by the farmer,

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on Thursday.

London.	
	h. m.
2	43 m.
5	12 m.
3	57 a.
7	39 m.

EVENTS, &c.

Day. Hot,  
Blenheim, 1704.

Close. thunder  
Brownston, 1812.  
thur born, 1850.  
and rain.  
died 1827.  
Becoming cold  
nce discov. 1555.

...  
y after Trinity.  
n's apogee. 1 a.m.  
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d Book, 1457.  
1771.  
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y after Trinity.  
died, 1803.  
Becoming  
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r began 1775.  
re harvest like.

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y aft. Trinity.  
igee, 9 p.m.  
of Algiers, 1816.

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st beheaded.  
r died 1853.  
Windy.

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1867]

MEMORANDUM FOR AUGUST.

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9th Month. **September, 30 Days.** Begins on Sunday.

Moon's Phases.		Kingston.		Toronto.	London.
	Day.	h.	m.	h. m.	h. m.
First Quarter.....	5	6	27 a.	6 11 a.	6 06 a.
Full Moon.....	13	7	29 a.	7 16 a.	7 08 a.
Last Quarter.....	20	10	04 a.	9 51 a.	9 43 a.
New Moon.....	27	6	37 a.	6 24 a.	6 16 m.

M	Week	Sun.		Sun on Merid.	Sun's Declination. North.	Moon Rises and Sets.	Moon on Merid.	EVENTS, &c.
		Rises.	Sets.					
		h. m.	h. m.	h. m.	° '	h. m.	h. m.	
1	SUN.	5 28	6 32	12 00	N 8 17	8 27a	2 40	14th Sunday after Trinity
2	Mon.	5 30	6 30	12 00	7 56	8 59	3 28	Changeable.
3	Tues.	5 31	6 28	11 59	7 34	9 34	4 15	Peace with Am'a sig. 1783.
4	Wed.	5 31	6 27	11 59	7 12	10 10	5 02	1st U. S. Congress, 1774.
5	Thur.	5 32	6 25	11 59	6 49	11 50	5 49	6th Mayfl'r s. for N.E 1620
6	Fri.	5 34	6 23	11 58	6 27	11 52	6 36	Copenh'n bomb. 1807. Fair
7	Sat.	5 35	6 21	11 58	6 05	Morn'g.	7 24	Moon's apogee, 5 p.m.
8	SUN.	5 36	6 20	11 58	5 42	0 19m	8 11	12th Sunday after Trinity
9	Mon.	5 37	6 18	11 57	5 19	1 11	8 59	Sebast. taken, 1855. with
10	Tues.	5 38	6 16	11 57	4 57	2 06	9 46	First import. of tea. 1391.
11	Wed.	5 40	6 14	11 57	4 34	3 03	10 32	bright days and
12	Thur.	5 40	6 12	11 56	4 11	4 02	11 19	cool clear nights.
13	Fri.	5 41	6 11	11 56	3 48	Rises.	...	Quebec taken, 1759.
14	Sat.	5 42	6 09	11 56	3 25	6 43a	0 06m	Continues without
15	SUN.	5 43	6 07	11 55	3 02	7 14	0 54	13th Sunday after Trinity
16	Mon.	5 44	6 05	11 55	2 39	7 47	1 42	Geo. I landed in B. 1714.
17	Tues.	5 45	6 03	11 54	2 16	8 24	2 32	U. S. Const. pub., 1787.
18	Wed.	5 47	6 01	11 54	1 52	9 03	3 24	much change
19	Thur.	5 48	6 00	11 54	1 29	9 49	4 18	S. Johnson b., 1709.
20	Fri.	5 49	5 58	11 53	1 06	10 41	5 14	Battle of the Alma, 1854.
21	Sat.	5 50	5 56	11 53	0 42	11 39	6 12	more wind.
22	SUN.	5 51	5 54	11 53	0 19	Morn'g	7 10	14th Sunday after Trinity
23	Mon.	5 52	5 52	11 52	S 0 04	0 42	8 06	Autumnal Equinox. Frost
24	Tues.	5 54	5 50	11 52	0 28	1 51	9 03	23d Moon's perigee, 1 a.m.
25	Wed.	5 55	5 49	11 52	0 51	3 00	9 58	Columbus' 2nd Voy., 1492.
26	Thur.	5 56	5 47	11 51	1 15	4 08	10 49	at night.
27	Fri.	5 57	5 45	11 51	1 38	Sets	11 39	Philadelphia cap. 1777.
28	Sat.	5 58	5 43	11 51	2 01	6 25a	0 30a	Rain if wind is
29	SUN.	5 59	5 41	11 50	2 25	6 57	1 18	15th Sunday after Trinity
30	Mon.	6 01	5 39	11 50	2 48	7 31	2 06	29th St. Michael. S.W.

**CULTURE OF THE TOMATO.**—There is a diversity of opinion in regard to the culture of the tomato; some prefer to allow the vines to cover the ground, while others prefer trellises or frames. The French method is as follows: As soon as a cluster of flowers is visible, they top the stem down to the cluster, so that the flowers terminate the stem. The effect is, that the sap is immediately impelled into the two buds next below the cluster, which soon push strongly and produce another cluster of flowers each; when these are visible, the branch is also topped down to their level, and this is done five times in succession; in addition to this, all the laterals are nipped off, the plant becoming a stout dwarf not over eighteen inches high. In this way the ripe sap is directed into the fruit, which acquire a beauty, size, and excellence unattainable in any other way.

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6	16 m.

EVENTS, &c.

Monday after Trinity  
Changeable.  
with Am'a sig. 1783.  
S. Congress, 1774.  
off'r s. for N.E 1620  
in bomb. 1807. Fair  
apogee, 5 p.m.

Monday after Trinity  
taken, 1855. with  
port. of tea. 1891.  
bright days and  
cool clear nights.  
taken, 1759.  
Continues without

Monday after Trinity  
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nt. pub., 1787.  
much change  
on b., 1709.  
the Alma, 1854.  
more wind.

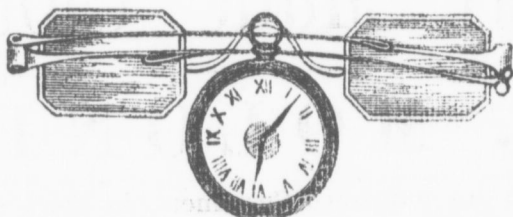
Monday after Trinity  
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Monday after Trinity  
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NEW

# Watch & Jewelry Store.



## JOHN CLARKE,

PRACTICAL

### Watch & Clock Maker, Jeweler, &c.

AND FOR MANY YEARS

### OF THE FIRM OF BROWN & CLARKE,

Would respectfully intimate to his former Customers, and the Public generally, that he has resumed business in the above line, in

## Scott's Building, Market Block,

*Opposite Nicholls & Hall's, Simcoe Street,*

Where he intends to carry on business as formerly in all its branches, and would respectfully solicit a share of patronage.

Particular attention paid to the JOBBING Department; Watches, Clocks and Jewelry Repaired in the best possible manner,

 **SATISFACTION GIVEN IN ALL CASES.**

Also,—A General Assortment of Jewelry, Clocks, Watches and Fancy Goods, which will be sold at a Small Advance on Cost.

### JOHN CLARKE,

Watchmaker, &c., Simcoe Street, Peterborough.

# GENERAL GROCERIES DRY GOODS and Ready Made Clothing

## M. MOLONEY,

Would invite his numerous Customers, in Town and Country, to examine his Stock of DRY GOODS, GROCERIES & READY MADE CLOTHING, selected from the Best and Cheapest Markets, which he offers for Sale on as Good Terms as any other Establishment in Peterborough.

AN EXPERIENCED CUTTER kept on the Premises, and a Perfect Fit Guaranteed for all Clothing made to order.

Remember the Place: George Street, Peterboro', immediately opposite Stevenson's Stove and Tin Shop.

M. MOLONEY.

## W. H. WRIGHTON,

*George Street, Peterboro', Dealer in*

# Groceries & Provisions!

Keeps constantly on hand all kinds of GROCERIES which will be Sold as low as any House in the Trade. PROVISIONS OF ALL DESCRIPTIONS, PORK, OATS, PEAS, BEANS, BARLEY, POTATOES, BUTTER, LARD,

### CORNMEAL, OATMEAL AND FLOUR.

Also, a large Stook of CIGARS which will be Sold to Tavern-keepers at lower rates than they can purchase from Pedlars. COAL OIL, RETAIL 35c. per Gallon, Lower Rate by the Barrel.

### AMERICAN MONEY BOUGHT & SOLD ON REASONABLE TERMS.

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Tavern-keepers  
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Moon's Phases.		Kingston.	Toronto.	London.
First Quarter.....	Day. 5	h. m. 1 13 a.	h. m. 1 00 a.	h. m. 0 52 a.
Full Moon .....	13	8 20 m.	8 07 m.	7 59 m.
Last Quarter.....	20	4 12 m.	3 59 m.	3 51 m.
New Moon.....	27	7 59 m.	7 46 m.	7 38 m.

M Week	Days.	Sun.		Sun on Merid.	Sun's Declination.	Moon Rises and Sets.	Moon on Merid.	EVENTS, &c.
		Rises.	Sets.					
		h. m.	h. m.	h. m.	° /	h. m.	h. m.	
1	Tues.	6 02	5 37	11 50	S 3 11	8 06a	2 54a	Fulton st. on Hudson, 1807
2	Wed.	6 03	5 35	11 49	3 35	8 45	3 42	Cartier at Montreal, 1535.
3	Thur.	6 04	5 34	11 49	3 58	9 27	4 30	Rainy, clearing
4	Fri.	6 06	5 32	11 49	4 21	10 13	5 18	1st E. Bible prtd. 1535. up
5	Sat.	6 06	5 30	11 48	4 44	11 01	6 04	Moon's apog. noon. from
6	SUN.	6 07	5 29	11 48	5 08	11 54	6 51	16th Sunday after Trinity
7	Mon.	6 09	5 26	11 48	5 31	Morn'g.	7 38	1st Cong. at N. York, 1765.
8	Tues.	6 10	5 26	11 48	5 53	0 50m	8 25	N. W. Psge dis. 1853. N. W.
9	Wed.	6 11	5 24	11 47	6 16	1 49	9 11	Bat. Savannah, 1797. Very
10	Thur.	6 13	5 21	11 47	6 39	2 49	9 57	wet, much
11	Fri.	6 14	5 20	11 47	7 02	3 51	10 46	Camperdown fought, 1797.
12	Sat.	6 15	5 19	11 47	7 24	4 58	11 34	America dis. 1492. rain.
13	SUN.	6 16	5 17	11 46	7 47	Rises.	.....	17th Sunday after Trinity
14	Mon.	6 17	5 15	11 46	8 09	6 21a	0 24m	13th, Bat. Queenston, 1812
15	Tues.	6 19	5 13	11 46	8 32	7 00	1 17	More settled,
16	Wed.	6 20	5 12	11 46	8 54	7 46	2 11	Burgoyne surd. 1777. with
17	Thur.	6 21	5 10	11 45	9 16	8 37	3 09	Moon's per. 10 p.m. bright
18	Fri.	6 22	5 08	11 45	9 38	9 34	4 07	pleasant days.
19	Sat.	6 24	5 06	11 45	10 00	10 35	5 05	
20	SUN.	6 25	5 05	11 45	10 21	11 41	6 02	18th Sunday after Trinity
21	Mon.	6 26	5 04	11 45	10 43	Morn'g.	6 58	Trafalgar, 1805. Cold
22	Tues.	6 28	5 02	11 45	11 04	0 47m	7 51	with frequent
23	Wed.	6 29	5 00	11 44	11 25	1 57	8 43	1st United Parlmnt, 1707.
24	Thur.	6 30	4 58	11 44	11 46	3 05	9 33	showers, possibly
25	Fri.	6 31	4 56	11 44	12 07	4 12	10 22	Bat. Agincourt, 1415.
26	Sat.	6 33	4 55	11 44	12 28	5 17	11 10	snow.
27	SUN.	6 34	4 54	11 44	12 48	Sets.	11 58	19th Sunday after Trinity
28	Mon.	6 36	4 52	11 44	13 08	6 02a	0 46a	St. Simon and St. Jude.
29	Tues.	6 37	4 51	11 44	13 28	6 40	1 34	Battle of Erie, 1812. Wind
30	Wed.	6 38	4 50	11 44	13 48	7 21	2 22	and
31	Thur.	6 39	4 49	11 44	14 08	8 04	3 10	All Hallows Eve. rain.

THE greatest defect in our agriculture is *carelessness and waste*. The disregard of order, system and economy, is the bane of our farming. It is the occasion of constant and immense loss in many ways. The most striking example of this, perhaps, is the great negligence in regard to the saving of manures. Notwithstanding the frequency with which this subject has been brought to the attention of farmers, there is scarcely a neighborhood in which many instances of the neglect or loss alluded to are not seen. On most farms there is nearly a total loss of the urine of the stock; during the time it is kept in the barn, it may be seen colouring the water of brooks and ditches which carry it away. It would probably not be an over estimate of this loss, and the like waste of solid manure, to say that with many farmers it is more than equal to the amount they pay in taxes.

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s on Tuesday.

1867]

MEMORANDUM FOR OCTOBER.

25

London.

b.	m.
0	52 a.
7	59 m.
3	51 m.
7	38 m.

EVENTS, &c.

at. on Hudson, 1807  
 at Montreal, 1535.  
 Rainy, clearing  
 ble prtd. 1535. up  
 apog. noon. from

day after Trinity  
 at N. York, 1765.  
 sge dis. 1853. N. W.  
 annah, 1797. Very  
 wet, much  
 down fought, 1797.  
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day after Trinity  
 Queenston, 1812  
 More settled,  
 e surd. 1777. with  
 r. 10 p.m. bright  
 pleasant days.

day after Trinity  
 r, 1805. Cold  
 with frequent  
 d Parlmt, 1707.  
 showers, possibly  
 incourt, 1415.  
 snow.

day after Trinity  
 n and St. Jude.  
 Erie, 1812. Wind  
 and  
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11th Month. **November, 30 Days.** Begins on Friday.

1867]

Moon's Phases.		Kingston.	Toronto.	London.
	D.	h. m.	h. m.	h. m.
First Quarter .....	4	9 23 m.	9 10 m.	9 02 m.
Full Moon.....	11	8 05 a.	7 52 a.	7 44 a.
Last Quarter .....	18	0 01 a.	11 48 m.	11 40 m.
New Moon.....	25	...	11 53 m.	11 45 m.
	26	0 06 a.	...	...

M Week	DAYS.	SUN.		Sun on Merid.	Sun's Declination.	Moon Rises and Sets.	Moon on Merid.	EVENTS, &c.
		Rises	Sets.					
		h.m.	h.m.	h. m.	s ° '.	h. m.	h. m.	
1	Frid.	6 41	4 47	11 44	14 27	8 25	3 57a.	All Saints Day. Cold
2	Sat.	6 42	4 46	11 44	14 46	9 43	4 44	Moon's apogee, 9 a.m.
3	SUN.	6 44	4 44	11 44	15 05	10 57	5 31	20th Sunday after Trinity
4	Mon.	6 45	4 43	11 44	15 25	11 55	6 17	William III. lands, 1688.
5	Tues.	6 46	4 42	11 44	15 42	Morn.	7 03	Inkerman, 1854. Wind
6	Wed.	6 47	4 41	11 44	16 00	0 34m	7 48	and Rainy
7	Thur.	6 49	4 39	11 44	16 18	1 34	8 34	Weather.
8	Frid.	6 50	4 38	11 44	16 36	2 37	9 23	Milton died, 1674.
9	Sat.	6 51	4 37	11 44	16 54	3 44	10 12	P. of Wales born, 1841.
10	SUN.	6 52	4 36	11 44	17 10	4 51	11 04	21st Sunday after Trinity
11	Mon.	6 54	4 34	11 44	17 27	Rises.	11 59	More
12	Tues.	6 55	4 33	11 44	17 43	5 37a	...	Magna Charta conf'd, 1216
13	Wed.	6 56	4 32	11 44	17 59	6 27	0 56m	pleasant.
14	Thur.	6 58	4 31	11 45	18 15	7 23	1 56	Moon's Perigee, 4 a.m.
15	Frid.	6 59	4 30	11 45	18 30	8 25	2 56	Great fire in N. Y. 1855.
16	Sat.	7 01	4 29	11 45	18 47	9 32	3 56	Frosty.
17	SUN.	7 02	4 28	11 45	19 00	10 39	4 54	22d Sunday after Trinity.
18	Mon.	7 03	4 27	11 45	19 15	11 48	5 49	Cold
19	Tues.	7 05	4 27	11 46	19 29	Morn.	6 41	Jay's Treaty, 1794.
20	Wed.	7 06	4 26	11 46	19 43	0 57m	7 31	with keen
21	Thur.	7 07	4 25	11 46	19 56	2 01	8 18	P. Royal born, 1840.
22	Frida.	7 08	4 24	11 46	20 09	3 06	9 06	High winds.
23	Satur.	7 10	4 24	11 47	20 22	4 10	9 53	24th, J. Knox died, 1572.
24	SUN.	7 11	4 23	11 47	20 35	5 13	10 40	23d Sunday after Trinity.
25	Mon.	7 12	4 22	11 47	20 46	Sets.	11 27	British evacuate N.Y. 1783
26	Tues.	7 13	4 21	11 47	20 58	5 17a	0 16a	Fair and
27	Wed.	7 14	4 21	11 48	21 09	5 59	1 04	Pacific ocean disc'd, 1519.
28	Thur.	7 15	4 21	11 48	21 19	6 45	1 52	Frosty.
29	Frid.	7 16	4 20	11 48	21 30	7 35	2 39	30th, St. Andrew's Day.
30	Satur.	7 18	4 20	11 49	21 40	8 28	3 26	Moon's apogee, 3 a.m.

Let any farmer or person of moderate means look round his house, and make a careful minnte of all the odd jobs, he will find which require to be done, he will be astonished at their number, and the ease with which they may be executed. Let him take a paper and note them, he will find at least twenty little things requiring repair or amendment. The plank to the well or yard, the fence round the garden, a garden gate that will open easily and repairs to the box enclosing the well or cistern; mending farming tools, waggons, sleighs, or harness. The first step which any farmer can make towards renovating or repairing his homestead is to get a set of tools; the whole can be got for forty dollars, and will save their value and cost in one year, besides the satisfaction of feeling independent and helping yourself.

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begins on Friday.

London.	
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9 02 m.	
7 44 a.	
11 40 m.	
11 45 m.	

EVENTS, &c.

... Day. Cold  
apogee, 9 a.m.

... day after Trinity  
in Ill. lands, 1688.  
... an, 1854. Wind  
and Rainy  
Weather.

... died, 1674.  
... sales born, 1841.

... day after Trinity  
More  
Charta conf'd, 1216  
pleasant.

Perigee, 4 a.m.  
... e in N. Y. 1855.  
Frosty.

... day after Trinity.  
Cold

... eady, 1794.  
with keen  
born, 1840.

High winds.  
Knox died, 1572.

... day after Trinity.  
vacuate N. Y. 1783  
Fair and

... can disc'd, 1519.  
Frosty.

Andrew's Day.  
apogee, 3 a.m.

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... by the rest of the month; though as the ground may be  
open for some short time, something may be done. Stones may be  
collected. Attention should be given to keeping all the animals, as far  
as possible, in a separate pen, to their habits. The  
be consulted, both as regards food and shelter. Unless exposure to cold  
is not required, a greater amount of food should be given in the evening, and  
vents the natural secretions and usually wastes the bodily heat. The  
farmers who are not already provided with winter bedding, will do well  
to procure it early. Their pens should be made of straw, and the

12th Month. December, 31 Days. Begins on Sunday.

1867]

Moon's Phases.		Kingston.	Toronto.	London.
First Quarter.....	D. 4	h. m. 5 16 a.	h. m. 5 3 m.	h. m. 4 45 m.
Full Moon.....	12	7 05 m.	6 32 m.	6 44 m.
Last Quarter.....	17	10 30 a.	10 17 a.	10 09 a.
New Moon.....	25	6 35 a.	6 22 a.	6 14 a.

DAYS.	SUN.		Sun on Merid.	Sun's Declination.	Moon Rises and Sets.	Moon on Merid.	EVENTS, &c.
	M Week	Rises.					
1 SUN.	7 19	4 19	h. m. 11 49	21 50	h. m. 9 23a	4 12a	<i>Advent Sunday.</i> Napoleon I. ex'd. 1804. Fair. Council of Trent, 1548. 5th, Hayti dis. 1492. Keen followed by Pilgrim fathers land. 1620. rainy weather.
2 Mon.	7 20	4 19	11 50	21 59	10 22m	4 57	
3 Tues.	7 21	4 19	11 50	22 07	11 20	5 42	
4 Wed.	7 22	4 18	11 50	22 16	Morn.	6 27	
5 Thur.	7 23	4 19	11 51	22 23	0 21m	7 12	
6 Frid.	7 24	4 19	11 51	22 31	1 23	8 00	
7 Sat.	7 25	4 18	11 52	22 38	2 30	8 49	
8 SUN.	7 26	4 18	11 52	22 44	3 37	9 42	<i>2nd Sunday in Advent.</i> Becoming stormy, League of Cambray, 1508. 12th. N. Zealand dis. 1642. Moon's Perigee, 9 a.m. Wind and snow. Washington died 1799.
9 Mon.	7 27	4 18	11 53	22 50	4 46	10 38	
10 Tues.	7 28	4 18	11 53	22 56	5 58	11 38	<i>3rd Sunday in Advent.</i> Whitfield born 1714. Clearing up. Tea Riots at Boston, 1773. Battle of Niagara, 1813. Cold and keen Winter Solstice.
11 Wed.	7 29	4 18	11 53	23 01	7 10	Rises.	
12 Thur.	7 29	4 18	11 54	23 06	Rises.	0 40m	
13 Frid.	7 30	4 18	11 54	23 10	7 15a	1 42	
14 Sat.	7 30	4 18	11 55	23 14	8 24	2 43	
15 SUN.	7 31	4 18	11 55	23 17	9 36	3 41	
16 Mon.	7 32	4 19	11 56	23 20	10 45	4 36	
17 Tues.	7 33	4 19	11 56	23 22	11 55	5 28	
18 Wed.	7 33	4 19	11 57	23 24	Morn.	6 18	
19 Thur.	7 34	4 19	11 57	23 26	0 59a	7 05	
20 Frid.	7 35	4 20	11 58	23 27	2 03	7 51	
21 Sat.	7 36	4 20	11 58	23 27	3 06	8 38	
22 SUN.	7 36	4 21	11 59	23 27	4 06	9 24	<i>4th Sunday in Advent.</i> Fair, fine christmas Peace with U. S. 1814. Christmas Day. weather. St. Stephens day. Moon's apogee, 3 p.m. Buffalo burnt, 1813.
23 Mon.	7 37	4 21	11 59	23 27	5 04	10 11	
24 Tues.	7 37	4 22	12 00	23 26	6 01	11 00	
25 Wed.	7 38	4 22	12 00	23 24	Sets.	11 48	
26 Thur.	7 38	4 24	12 01	23 22	5 29a	0 35a	
27 Frid.	7 38	4 24	12 01	23 20	6 21	1 22	
28 Sat.	7 38	4 25	12 02	23 17	7 17	2 09	
29 SUN.	7 38	4 26	12 02	23 14	8 14	2 54	<i>1st Sunday aft. Christmas</i> Society of Jesuits fd. 1534. Midsummer day in Africa.
30 Mon.	7 39	4 27	12 03	23 10	9 11	3 39	
31 Tues.	7 39	4 27	12 03	23 06	10 10	4 23	

DECEMBER.—Operations on the farm are usually suspended, in this latitude, by the first of this month; though, as the ground may remain open for some short time, something may be done. Stones may be dug out, walls built, drains made, ground ploughed, and materials for manure collected. Attention should be given to keeping all the animals, as much as possible, in a condition congenial to their habits. Their comfort should be consulted, both as regards food and shelter. Undue exposure to cold, not only requires a greater amount of food to sustain the system, but prevents the natural secretions, and actually wastes the bodily tissues. Those farmers who are not already provided with cutting machines, will do well to procure them. Their use is attended with considerable economy.

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6	14 a.

ENTS, &c.

*Sunday.*  
 I. er'd. 1804. Fair.  
 Trent, 1548.  
 dis. 1492. Keen  
 followed by  
 others land. 1620.  
 rainy weather.

*Day in Advent.*  
 becoming stormy,  
 Cambray, 1508.  
 ealand dis. 1642.  
 rice, 9 a.m.  
 Wind and snow.  
 on died 1799.

*Day in Advent.*  
 born 1714.  
 Clearing up.  
 at Boston, 1773.  
 Niagara, 1813.  
 Cold and keen  
 justice.

*Day in Advent.*  
 fine christmas  
 U. S. 1814.  
 Day. weather.  
 as day.  
 ge, 3 p.m.  
 nt, 1813.

*After Christmas*  
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1867]

MEMORANDUM FOR DECEMBER.

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# The Royal Family.

## THE QUEEN.

VICTORIA, Queen of the United Kingdom of Great Britain and Ireland; only daughter of His late Royal Highness Edward Duke of Kent; and Victoria late Duchess of Kent, daughter of Francis, Duke of Saxe Cobourg; born the 24th May, 1819; succeeded to the Throne on the decease of her Uncle, William IV., June 20th, 1837; proclaimed June 21st, 1837; Crowned June 28th, 1838; Married February 10th, 1840, to Field Marshall His Royal Highness Prince Albert Augustus Charles Emmanuel, Prince of Saxe Cobourg and Gotha, who died at Windsor Castle, December 14th, 1861.

## ISSUE.

Victoria Adelaide Mary Louisa (Princess Royal) born November 21st, 1840; married January 25th, 1848, H. R. H. Frederick William, Prince of Prussia; Albert Edward, (Prince of Wales) born November 9th, 1841, married Princess Alexandra of Denmark, 10th of March, 1863; Alice Maud Mary, born April 22nd, 1843, married July 1st, 1862, H. R. H. Prince Louis of Hesse; Alfred Ernest Albert, born August 6th, 1844; Helena Augusta Victoria, born May 25th, 1846, married 6th July 1866, Prince Christian of Augustenburg; Louise Caroline Alberta, born March 18th, 1848; Arthur William Patrick Albert, born May 1st, 1850; Leopold George Duncan Albert, born April 7th, 1853; Beatrice Mary-Victoria Feodore, born April 14th, 1857.

THE QUEEN'S COUSINS—George Duke of Cambridge, born March 26th 1819; Princess Augusta, (Duchess of Mecklenburg Strelitz) born July 19th, 1822; Mary Adelaide Wilhelmina Elizabeth, born November 27th, 1833, married June, 1866, Prince Teck of Austria.

# CANADA.

## THE GOVERNOR GENERAL.

The Right Honourable Charles Stanley Viscount Monck, Governor General of British North America, and Captain General and Governor in Chief in and over the Provinces of Canada, Nova Scotia, New Brunswick, and the Island of Prince Edward, and Vice-Admiral of the same, &c.

Denis Godley, Governor General's Secretary.

*Aides de-Camp*  
Secretary and  
Camp; Lieutenant  
Colonel F. W.

MILITARY.—  
the Forces in  
Aide-de-Camp

Hon. J. A.  
Adjutant Gen  
Deputy Adju  
Deputy Adju

President of  
Attorney Gen  
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Commissione  
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Postmaster C  
Minister of  
Receiver Ge  
Solicitor Ge  
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Minister of

Officers.—

Hon. J. P. F  
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*Aides de-Camp*:—Lieutenant Colonel the Hon. R. Monck, Military Secretary and Aide-de-Camp; Captain Pemberton, 60th Rifles, Aide-de-Camp; Lieutenant-Colonel Irvine, Provincial Aide-de-Camp; Lieutenant-Colonel F. W. Cumberland, extra Aide-de-Camp.

MILITARY.—Lieutenant-General Sir John Michel, K.C.B., commanding the Forces in British North America. Major the Hon. H. Montmorenci, Aide-de-Camp.

Hon. J. A. Macdonald, Minister of Militia; Colonel P. L. McDougal, Adjutant General of Canadian Militia; Lieutenant-Colonel Walker Powell, Deputy Adjutant General West; Lieutenant-Colonel M. A. de Salaberry, Deputy Adjutant General East.

EXECUTIVE COUNCIL.

President of the Council .....	Hon. J. F. Blair.
Attorney General East .....	Hon. G. E. Cartier.
Attorney General West .....	Hon. J. A. Macdonald.
Commissioner of Crown Lands .....	Hon. A. Campbell.
Commissioner of Public Works .....	Hon. J. O. Chapais.
Provincial Secretary .....	Hon. W. McDougall.
Postmaster General .....	Hon. W. P. Howland.
Minister of Finance (pro. tem) .....	Hon. W. P. Howland.
Receiver General ..	Hon. Sir N. F. Belleau.
Solicitor General for Lower Canada .....	Hon. H. S. Langevin.
Solicitor General for Upper Canada .....	Hon. J. Cockburn.
Minister of Agriculture .....	Hon. T. D. McGee.

*Officers*.—W. H. Lee, clerk; W. A. Himsworth, confidential clerk.

LEGISLATIVE COUNCIL.

Hon. U. J. TESSIER, Speaker.

Hon. J. P. Hamilton.....	Kingston.	Hon. S. Mills.....	Hamilton.
" P. H. Moore .....	Phillipsburg.	" L. Paquet .....	Quebec.
" G. J. Goodhue.....	London.	" Sir N. F. Belleau ..	Quebec.
" J. Ferrier.....	Montreal.	" C. Wilson.....	Montreal.
" R. Matheson .....	Perth.	" B. Seymour.....	Port Hope.
" G. S. Boulton.....	Cobourg.	" D. M. Armstrong ..	Berthier.
" J. Leslie .....	Montreal.	" E. Perry .....	Cobourg.
" G. S. de Beaujeu ..	Coteau du Lac.	" W. H. Dickson .....	Niagara.
" J. Ross .....	Toronto;		

ELECTIVE.

Hon. J. Shaw .....	Bathurst.	Hon. W. H. Chaffers .....	Rougemont.
" A. J. F. Blair .....	Brock.	" D. McPherson .....	Saugeen.
" H. B. Bull .....	Burlington.	" B. Flint .....	Trent.
" L. Renaud .....	De Salaberry.	" U. J. Tessier .....	Gulf.
" M. P. De S. La Ter-		" A. J. Duchesnay ..	La Salle.
rière .....	Laurentides.	" J. B. Guevremont...	Sorel.
" E. H. J. Duchesnay.	Lauson.	" P. U. Archambault..	Repentigny.
" L. Dumouchelle.....	Milles Isles.	" J. Armand .....	Alma.
" J. Simpson .....	Queens.	" D. McDonald .....	Tecumseth.
" J. Skcad .....	Ridcau.	" G. Alexander .....	Gore,

ELECTIVE.—Continued.

Hon. D. Christie .....	Erie.	" J. O. Bureau .....	De Lorimiere,
" G. W. Allan .....	York.	" J. B. G. Proulx .....	De la Vallière.
" A. Campbell .....	Cataraqui.	" L. L. De St. Just .....	Grandville.
" G. Crawford .....	St. Lawrence.	" J. Hamilton .....	Inkerman.
" D. Reesor .....	King.	" C. Cormier .....	Kennebec.
" T. Bennett .....	Eastern.	" L. Lacoste .....	Montarville,
" W. McMaster .....	Midland.	" Prudhomme .....	Rigaud.
" E. Leonard .....	Malahide.	" C. Malhot .....	Shawenegan,
" J. C. Aikens .....	Home.	" J. E. Gingras .....	Stadacona,
J. Benson .....	Niagara.	" T. Ryan .....	Victoria.
" R. Read .....	Quinté.	" J. S. Sanborn .....	Wellington.
" O. Blake .....	Thames.	" A. Burnham .....	Newcastle.
" W. McCrea .....	Western.	" A. Vidal .....	St. Clair.
" A. B. Foster .....	Bedford.	" E. H. J. Duchesnay,	Lauzon.
" F. Lemieux .....	De la Durantay.	" J. S. Sanborn .....	Sherbrooke.
" L. A. Oliver .....	De Lanaudière.		

*Permanent Officers.*—J. F. Taylor, clerk and master in chancery; R. Lemoine, deputy and assistant clerk, master in chancery, and French translator; Fenning Taylor, deputy and assistant clerk, master in chancery, and chief office clerk; J. E. Doucet, clerk of private bills; W. A. Maingy, 2nd office clerk; James Adamson, clerk of the English journals; R. G. Belleau, clerk of French journals; A. A. Boucher, French translator; A. Garnica, additional French translator; Rev. W. Arar Adamson, D.C.L., chaplain and librarian; E. L. Montizambert, A.M., law clerk, English translator, and clerk of committees; René Kimber, gentleman usher of the Black Rod; O. Vallerand, sergeant-at-arms.

LEGISLATIVE ASSEMBLY.

Hon. L. WALDRIDGE, Speaker.

Argenteuil .....	Hon. J. J. C. Abbott.	Grey .....	G. Jackson.
Bagot .....	Hon. M. Laframboise.	Haldimand .....	D. Thompson.
Beauce .....	H. E. Tasehereau.	Halton .....	J. White.
Beauharnois .....	P. Denis.	Hamilton (City) .....	C. Magill.
Bellechasse .....	E. Remillard.	Hastings (N. R'g) .....	T. C. Walbridge.
Berthier .....	A. Paquet.	Hastings (S. R'g) .....	Hon. L. Walbridge.
Bonaventure .....	T. Robitaille.	Hochelaga .....	Hon. A. A. Dorion.
Brant (E. Riding) .....	J. Y. Bown.	Huntingdon .....	E. B. Somerville.
Brant (W. Riding) .....	E. B. Wood.	Huron and Bruce* .....	
Brockville (Town) .....	F. H. Chambers.	Iberville .....	A. Dufresne.
Brome .....	C. Dunkin.	Jacques Cartier .....	F. Z. Tassé.
Carleton .....	W. F. Powell.	Johette .....	H. Corneillier.
Chambly .....	C. B. DeBoucherville.	Kamouraska .....	J. C. Chapais.
Champlain .....	J. J. Ross.	Kent .....	M. McKellar.
Charlevoix .....	A. Gagnon.	Kingston (City) .....	Hon. J. A. Macdonald.
Chateauguay .....	Hon. L. H. Holton.	Lambton .....	A. MacKenzie.
Chicoutimi .....	D. E. Price.	Lanark (N. R'g) .....	Hon. W. McDougall.
Compton .....	J. H. Pone.	Lanark (S. R'g) .....	A. Morris.
Cornwall (Town) .....	Hon. J. S. Macdonald.	Laprairie .....	A. Pinsonneault.
Dorchester .....	H. L. Langevin.	L'Assomption .....	L. Archambault.
Drummond .....	J. B. E. Dorion.	Laval .....	J. H. Bellerose.
Dundas .....	J. S. Ross.	Lenox .....	R. J. Cartwright.
Durham (E. R'g) .....	J. S. Smith.	Leeds (N. Rid'g) .....	F. Jones.
Durham (W. R'g) .....	H. Munro.	Leeds (S. Rid'g) .....	D. F. Jones.
Elgin (E. Riding) .....	L. Burwell.	Lévis .....	J. G. Blanchet.
Elgin (W. Riding) .....	J. Scoble.	Lincoln .....	W. McGivern.
Essex .....	A. Rankin.	L'Islet .....	L. B. Caron.
Frontenac .....	W. Ferguson.	London (City) .....	Hon. J. Carling.
Gaspé .....	J. LeBoutillier.	Lotbinière .....	H. G. Joly.
Glengarry .....	D. A. McDonald.	Maskinongé .....	M. Houde.
Grenville (S. R'g) .....	W. Shanly.	Megantic .....	G. Irving.

\*Seats vacated since Parliament was prorogued.

Middlesex (E. R)  
Middlesex (W. R)  
Missisquoi .....

Montcalm .....

Montmagny .....

Montmorency .....

Montreal City .....

Napierville .....

Niagara (Town)

Nicolet .....

Norfolk .....

Northumb'ld (

Northumb'ld (

Ontario (N. R)

Ontario (S. R)

Ottawa (City)

Ottawa (Count

Oxford (N. Rid

Oxford (S. Rid

Peel .....

Perth .....

Peterborough

Pontiac .....

Portneuf .....

Prescott .....

Prince Edward

Quebec (City)

Quebec (Cour

Renfrew .....

Richm'nd & V

*Permanent*

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LEGISLATIVE ASSEMBLY.—Continued.

Middlesex (E. R.)	C. Wilson.	Richelieu	J. Perrault
Middlesex (W. R.)	T. Scatcherd.	Rimouski	G. Sylvain.
Missisquoi	J. O'Halloran.	Rouville	J. N. Poulin.
Montcalm	J. Dufréne.	Russell	R. Bell.
Montmagny	J. O. Beaubien.	St. Hyacinthe	R. Raymond
Montmorency	Hon. J. Cauchon.	St. John's	F. Bourassa
	Hon. G. E. Cartier.	St. Maurice	C. Lajoie
	Hon. J. Rose	Shefford	Hon. L. S. Huntingdon.
	Hon. T. D. McGee.	Sherbrooke (Town)	Hon. A. T. Galt
Napierville	S. Coupal.	Simcoe (N. Rid'g.)	T. D. McConkey
Niagara (Town)	A. Morrison.	Simcoe (S. Rid'g.)	T. R. Ferguson
Nicolet	J. Gaudet.	Soulanges	W. Duckett
Norfolk	A. Walsh.	Stuustead	A. Knight
Northumb'ld (E.)	J. L. Biggar.	Stormont	S. Ault
Northumb'ld (W.)	Hon. J. Cockburn.	Temiscouata	J. B. Pouliot
Ontario (N. R'g.)	M. C. Cameron.	Terrebonne	L. L. Viger
Ontario (S. R'g.)	T. N. Gibbs.	Three Riv. (City)	C. B. DeNiverville
Ottawa (City)	J. M. Currier.		A. M. Smith
Ottawa (County)	Alouzo Wright.	Toronto (City)	J. McDonald
Oxford (N. Rid'g.)	J. Oliver.	Two Mountains	J. B. Dacoust
Oxford (S. Ridg.)	Hon. G. Brown.	Vaudreuil	A. DeL Harwood.
Peel	Hon. J. H. Cameron.	Vercheres	E. Geoffrion.
Perth	R. McFarlane.	Victoria	J. W. Dunsford.
Peterborough	Col. Haultain.	Waterloo (N. R.)	J. E. Bowman
Pontiac	J. Poupore.	Waterloo (S. R.)	J. Cowan.
Portneuf	J. D. Brousseau.	Welland	T. C. Street
Prescott	T. Higginson.	Wellington (N.R.)	S. S. Parker
Prince Edward	W. Ross.	Wellington (S.R.)	D. Stirton.
		Wentworth (N.R.)	J. McMonies
		Wentworth (S.R.)	J. Rynal
		Yamaska	M. Fortier
		York (N. Riding)	J. P. Wells
		York (E. Riding)	Amos Wright
		York (W. Riding)	Hon. W. P. Howland
Quebec (City)	Hon. I. Thibaudeau.		
	P. G. Huot.		
Quebec (County)	Hon. F. Evanturel		
Renfrew	Robert McLuttre.		
Richm'nd & Wolfe	W. H. Webb.		

*Permanent Officers.*—W. B. Lindsay, clerk of the House; G. W. Wicksteed, head of law department; Thomas Vaux, accountant; William Spink, record clerk; H. Hartney, chief office clerk; Alpheus Todd, librarian; D. W. Macdonell, sergeant-at-arms; A. L. Cardinal, chief messenger.

NOTE.—The names of the different members of both Houses are given as usual, although, in all probability, in consequence of the confederation of the B.N.A. Provinces, the Upper House will cease to exist, and a considerable increase be made to the members of the single chamber for Upper Canada.

Private Bills are always based on petitions, one of which is presented to each House by a member, and the third sent to the Governor General in Council, through the Provincial Secretary.

Notice of intention to apply for a Private Act must be inserted in the Canada Gazette, and in some newspaper, in the locality affected, once a week for two months, between the close of the preceding session and the application.

HEADS OF DEPARTMENTS.

CROWN LANDS.—Hon. A. Campbell; assistant, A. Russell; surveyor-general, L. Bouchette; accountant, W. Ford. Agents for the sale of crown lands are appointed in different parts of Upper Canada, as at Barrie, Berlin, Clontarf, Durham, Elora, Goderich, Kingston, Lindsay, Madoc, Orillia, Pembroke, Peterborough, Saugeen, Sault St. Mary, Stratford and Tamworth.

\*Seats vacated since parliament was prorogued.

Agents for the management of the timber on government land, are located in different districts. Agent for the western part of Upper Canada, J. R. Nash, Esq., Toronto. W. Spragge, deputy for Indian lands; W. F. Whit-cher, deputy in charge of fisheries.

FINANCIAL DEPARTMENT.—Hon. W. P. Howland, *pro tem.*; W. Dickin-son, deputy; N. Godard, chief clerk; John Langton, auditor of public accounts; J. Simpson, assistant; R. S. Bouchette, head of customs' branch; Thomas Worthington, assistant; A. Brunel, inspector; R. Bell, canal inspector.

RECEIVER GENERAL'S DEPARTMENT.—Hon. Sir N. F. Belleau; T. D. Har-tington, deputy.

PROVINCIAL SECRETARY'S OFFICE.—Hon. W. McDougall; E. Parent, deputy east; E. Meredith, LL D., deputy west.

AGRICULTURE AND PATENT OFFICE.—Hon. T. D'Arcy McGee; Dr. J. C. Taché, deputy.

DEPARTMENT OF PUBLIC WORKS.—Hon. L. C. Chapais; T. Trudeau, deputy; F. Braun, secretary.

RAILWAY DEPARTMENT.—The heads of the Finance, Public Works, Post Office, and Receiver General's departments; J. G. Vansittart, secretary.

ADJUTANT GENERAL'S OFFICE.—Col. P. L. Macdougall, adjutant-general; Lieut.-Col. the Hon. M. A. de Salaberry, deputy adjutant-general, Lower Canada; Lieut.-Col. Walker Powell, deputy adjutant-general, Upper Ca-nada; Robert Berry, chief clerk.

DEPARTMENT OF COMMON SCHOOLS, UPPER CANADA.—Rev. E. Ryerson, chief superintendent; J. G. Hodgins, F.R.G.S. deputy superintendent.

POST OFFICE DEPARTMENT.—Hon. W. P. Howland, postmaster-general; W. H. Griffin, deputy postmaster-general; H. A. Wicksteed, accountant; William White, secretary; John Ashworth, cashier.

RATES OF POSTAGE ON LETTERS.

From one place to another in Canada, or to Nova Scotia, New Bruns-wick, Prince Edward Island, or Cape Breton, 5 cents per half oz., prepaid; unpaid, 7 cents.

To Newfoundland, 20 cents per ½ oz.; prepayment compulsory.

British Columbia, 25 " " " "

California, 15 " " " "

United States, 10 " " " "

England, by Canadian Steamer, 12½ cents for ½ oz.; exceeding ½ oz., 25 cents per oz. By Cunard Steamers, 17 cents for ½ oz.; exceeding ½ oz., 34 cents per oz.

Newspapers and Periodicals.

Newspapers published in Canada may be sent by Post from the office of publication addressed to any place in Canada at the following rates, *if paid quarterly in advance*, by either the publisher at the post office where the papers are posted, or by the subscriber at the delivery post office:

For a paper published 6 times a week, 40 cents per qr.  
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“ “ semi-monthly,	3½ “
“ “ monthly,	1½ “

*Postage Stamps.*

Postage stamps of the respective values of 1 cent, 2 cents, 5 cents, 10 cents, 12½ cents, and 17 cents, are provided for sale to the public.

*Money Orders.*

Money Orders, payable in the Province, may be obtained at any Money Order Office (of which a list can be seen at any Post Office), at the following rates:

Under and up to \$10	5 cents.
Over \$10 and not exceeding \$20	10 “
“ 20 “ 40	20 “
“ 40 “ 60	30 “
“ 60 “ 80	40 “
“ 80 “ 100	50 “

No single order can be issued for more than \$100.

*Money Orders on England, Ireland and Scotland.*—Money Orders payable at any Money Order Office in Great Britain and Ireland can be obtained at any Canadian Money Order office. The Orders are drawn in sterling, the commission chargeable being for £2 and under, 25 cents; from £2 to £5, 50 cents; from £5 to £7, 75 cents; from £7 to £10, \$1.00. No order can be drawn for more than £10; but any number of orders for £10 each may be procured.

COURTS.

**COURT OF ERROR AND APPEAL.**—*Judges*, Hon. P. M. Vankoughnet, Chancellor of Upper Canada; Hon. W. H. Blake; combined with the Judges of the Chancery, Queen's Bench, and Common Pleas Courts.

**COURT OF QUEEN'S BENCH.**—The jurisdiction of this Court extends to all manner of actions, causes, and suits, criminal and civil, real, personal, and mixed, within Upper Canada. *Chief Justice*, Hon. W. H. Draper, C.B. *Puisné Judges*, Hon. John Hawkins Hagarty, D.C.L., and Hon. J. C. Morrison.

**COURT OF CHANCERY.**—This Court has the like jurisdiction as the Court of Chancery in England, in cases of fraud, accident, trusts, executors, administrators, co-partnerships, accounts, mortgages, awards, dower, infants, idiots, lunatics, and their estates, waste, specific performances, discovery, and to prevent multiplicity of suits, staying proceedings at law prosecuted against equity and good conscience, and may decree the issue, repeal, or avoidance of letters patent, and generally the like powers which the Court of Chancery in England possesses, to administer justice in all cases in which there is no adequate remedy at law. *Chancellor*, Hon. P. M. Vankoughnet, D.C.L. *Vice-Chancellors*, Hon. Oliver Mowat, and Hon. John Godfrey Spragge. *Master*, Andrew Norton Buell.

**COURT OF COMMON PLEAS.**—This Court has the same powers and jurisdiction as a Court of Record, as the Court of Queen's Bench. *Chief Justice*, Hon. W. B. Richards. *Puisné Judges*, Hons. A. Wilson, J. Wilson



**HEIR AND DEVISEE COURT.**—*Commissioners*, the Judges of the Superior Courts, and such other person as may be appointed by commission under the Great Seal. These duties are to determine claims to lands in Upper Canada, for which no patent has issued from the Crown in favor 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.

**COUNTY COURTS.**—Presided over by a resident Judge in each County. Their jurisdiction extends to all personal actions where the debt or damages claimed do not exceed £50; and to all suits relating to debt, covenant, or contract, where the amount is ascertained by the acts of the parties, or signature of the defendant, to £100. The appeal lies to either of the Superior Courts of Law. These Courts also possess equity powers, to the amount of £50, subject to an appeal to the Court of Chancery.

**SURROGATE COURTS.**—The jurisdiction of these Courts relates to all testamentary matters and causes, and to the granting or revoking of probate of wills, and letters of administration of the effects of deceased persons having estate or effects in Upper Canada. The County Judges are also judges of the Surrogate Courts. Sir J. L. Robinson, Surrogate Clerk, Toronto.

**DIVISION COURTS.**—For the summary disposal of cases by a Judge; but a jury of five persons may be demanded in certain cases. Their jurisdiction extends to actions of debt or contracts amounting to £25; injuries or torts to personal chattels amounting to £10. Courts are held once in two months in each division, or oftener, at the discretion of the Judge.

**RECORDER'S COURT.**—In the cities of Toronto, Hamilton, London, Kingston and Ottawa, the Recorder's Court takes the place of the County Sessions, the Justices for Counties having no jurisdiction in the Cities—the care of which is confined to the Recorder, Mayor, Aldermen, and Police Magistrate of each. Sessions held 2nd Monday in January, 1st Monday in April and July, and 3rd Monday in November. *Recorders*, George Duggan, Toronto; James O'Reilly, Kingston; John E. Start, Hamilton; Wm. Horton, London; J. B. Lewis, Ottawa.

**INSOLVENT DEBTOR'S COURT.**—The County Judge in each County presides.

TERMS OF THE COURTS.

**APPEAL TERMS.**—Commence on the fourth Thursday next after Hilary, Easter, and Michaelmas Terms.

**LAW TERMS.**—Hilary begins first Monday in February, and ends Saturday of the ensuing week; Easter begins 3rd Monday in May, and ends Saturday of the ensuing week; Trinity begins Monday next after 21st August, and ends on Saturday of the ensuing week. Michaelmas begins 3rd Monday in November, and ends Saturday of the ensuing week. Long vacation from 1st July to 21st August.

**COUNTY COURT TERMS.**—Commence on the 1st Monday in January, April, July, and October, and end the following Saturday.

CIRCUITS OF THE COURTS.

**LAW CIRCUITS.**—The Circuits are held twice a year in each county between Hilary and Easter Terms, and between Trinity and Michaelmas

Terms, except in year, commencing the second Monday

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COUNTY.

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- Carleton .....
- Elgin .....
- Essex .....
- Frontenac .....
- Gray .....
- Haldimand ...
- Halton .....
- Hastings .....
- Huron and Bru
- Kent .....
- Lambton .....
- Lanark .....
- Leeds and Gren
- Lennox & Addi
- Lincoln .....
- Middlesex .....
- Norfolk .....
- Northum'd & D
- Ontario .....
- Oxford .....
- Perth .....

Terms, except in the County of York, where there are three in each year, commencing on Thursday next after municipal elections in January, the second Monday in April, and the second Monday in October in each year.

LEGAL HOLIDAYS.

Sunday; New Year's Day; Epiphany; Annunciation; Good Friday; Ascension; Corpus Christi; St. Peter; St. Paul; All Saints; Christmas Day, and any day appointed by proclamation for a general fast or thanksgiving.

EDUCATIONAL.

UNIVERSITY COLLEGE, TORONTO.—Dr. McCaul, President, with a staff of nine Professors in Arts, a Lecturer in Oriental Languages, and a Classical Tutor.

UNIVERSITY OF QUEEN'S COLLEGE, KINGSTON.—Rev. W. Snodgrass, Principal, with fourteen Professors in Arts, Divinity, and Medicine.

VICTORIA COLLEGE, COBOURG.—Dr. Nelles, President, assisted by a full staff of Professors in Arts, Medicine, and Law.

TRINITY COLLEGE, TORONTO.—Provost, Rev. Mr. Whittaker, M.A. Seven Professors of Divinity, Arts, and Music, are attached to this College.

UPPER CANADA COLLEGE, TORONTO.—G. R. R. Coekburb, M.A., Principal, with a staff of teachers in Classics, English, and Modern Languages.

JUDGES, SHERIFFS, AND COUNTY ATTORNIES, U. C.

COUNTY.	JUDGE.	SHERIFF.	COUNTY ATT'Y.
Algoma District	J. Prince	R. Carney	J. M. Hamilton
Brant	S. J. Jones	L. Smith	G. Van Norman
Carleton	C. Armstrong	S. Fraser	R. Lees
Elgin	D. L. Hughes	C. Munro	J. Stanton
Essex	G. W. Leggatt	J. McEwan	S. Macdonell
Frontenac	W. G. Draper	L. Corbett	R. M. Wilkison
Gray	H. Macpherson	J. Maughan	J. Creasor
Haldimand	J. G. Stevenson	R. Martin	J. R. Martin
Halton	L. Davis	G. C. McKindsey	G. T. Bastedo
Hastings	G. Sherwood	G. Taylor	C. L. Coleman
Huron and Bruce	R. Cooper	L. McDonald	Ira Lewis
Kent	Wm. Wells	L. Mercer	A. D. McDean
Lambton	C. Robinson	J. Flintoft	T. B. Cardee
Lanark	J. G. Malloch	J. Thompson	D. Fraser
Leeds and Grenville	G. Malloch	C. Dickenson	E. Senkler
Lennox & Addington	L. L. Burrowes	O. T. Pruyn	W. Wilkison
Lincoln	J. M. Lawder	J. A. Woodruff	R. Moedonald
Middlesex	J. E. Small	Wm. Glass	C. Hutchinson
Norfolk	Wm. Salmon	E. Deedes	W. M. Wilson
Northam'd & Durh'm	G. M. Boswell	R. N. Waddell	J. D. Armour
Ontario	Z. Burnham	N. S. Reynolds	S. H. Cochrane
Oxford	D. L. McQueen	A. Ross	F. Bull
Perth	D. H. Lizars	R. Moderwell	J. Hayes

COUNTY.	JUDGE.	SHERIFF.	COUNTY ATT'Y.
Peterborough .....	R. M. Boucher	J. Hall	G. A. Weller.
Prescott and Russel	L. Daniel	C. P. Treadwell	E. T. Dartnell.
Prince Edward .....	D. Fairfield	H. J. Thorp	P. Low.
Simcoe .....	J. R. Gowan	Wm. B. Smith	J. R. Cotter.
Renfrew .....	Mr. Deacon	Mr. Morris	Mr. Duck.
Stormont, Dundas, and Glengarry ..	G. S. Jarvis	D. E. McIntyre	J. F. Pringle,
Victoria .....	L. Smith	N. McDougall	A. Lacourse.
Waterloo .....	Wm. Miller	G. Davidson	T. Miller.
Wellington .....	A. Macdonald	G. Grange	J. J. Kingsmill.
Wentworth .....	A. Logie	E. C. Thomas	S. B. Freeman
Welland ..	H. W. Price	R. Hobson	L. D. Raymond.
York .....	S. B. Harrison	F. W. Jarvis	Johu McNab.

**MEDICAL BOARD FOR UPPER CANADA.**—Constituted by act of Parliament for the Registration of properly qualified Medical Practitioners, the determining of a complete course of study, and the examination of candidates for license. President, Dr. Morton; Registrar and Secretary, Dr. Strange, Hamilton.

Dr. Morton, York and Peel.	Dr. Wm. McGill, King's and Queen's
" Turquand, Gore and Thames.	" Clarke, Brock and Saugeen.
" Patullo, Home and Burlington.	" Berryman, Victoria College.
" Dewar, Newcastle and Trent.	" Fulton, Malahide and Tecumseh.
" Wm. McPherson, Erie & Niagara	" Askam, Western and St. Clair.
" J. A. Grant, Bathurst & Rideau.	" Aikins, Toronto School of Medicine.
" Richardson, University of Toronto	" Yates, Queen's College, Kingston
" Diekson, Quinte and Cataraqui.	
" Brouse, St. Lawrence & Eastern.	

**TORONTO GENERAL HOSPITAL.**—Incorporated 1847, under the superintendence of a board of trustees partly appointed by Government and partly by the City Corporation and Board of Trade. Friends of patients admitted every afternoon except Saturdays and Sundays. Patients applying for admission must attend at noon each day. Medical Superintendent, W. B. Hampton, M.D.; Secretary, J. W. Brent.

**LUNATIC ASYLUM, TORONTO.**—A provincial institution, supported by an annual grant from the Province, and a small tax of one half cent in the dollar on the ratable property of each municipality; commenced in 1841 by Dr. Rees; present building erected 1845, at present being greatly enlarged under the superintendence of inspectors appointed by government. Medical Officer, John Workman, M.D. Branches of this institution exist at Fort Malden, Co. of Essex, Orillia for Chronic patients, and one for convalescents in the University Park, Toronto.

**THE TORONTO SCHOOL OF MEDICINE.**—In connection with the University of Toronto. Session extends from beginning of October to end of following March. President, W. T. Aikins, M.D. A full course of instruction is provided by twelve lecturers in Surgery, Medicine, Chemistry and Botany. Degrees obtained by students of this school from the University are recognized by the Medical Institutions of England.

**MEDICAL DEPARTMENT OF THE UNIVERSITY OF VICTORIA COLLEGE.**—Hon. John Rolph, Dean. Lectures begin in October and continue for six months.

Examinations are held at this institution qualified in England. A staff of work of this college.

**MEDICAL FACULTY.** Dean, in conjunction with Anatomy. Session last Thursday of M.

*Their Capital*

- BANK OF BRITISH Columbia
- Branches.—Brampton, Quebec, St. John's
- Agencies.—Dunsmuir
- BANK OF MONTREAL
- Branches.—Belleville, Kingston, London
- Agencies.—Cornwall, Perth, Picton, Simonsville
- BANK OF TORONTO
- Agencies.—Bathurst, Brantford, Cambridge, Hamilton, London, Niagara Falls, Peterborough, Toronto, Windsor
- BANK OF UPPER CANADA
- This institution has recently wind up its affairs
- BANQUE JACQUIN
- BANQUE DU PEAGE
- BANQUE NATIONALE
- CITY BANK
- Branches.—Toronto, Peterborough, T.
- COMMERCIAL BANK
- Branches.—Brampton, Peterborough, T.
- Agencies.—Brampton, Southampton, S.
- EASTERN TOWNSHIP
- GORE BANK
- Branches and Woodstock.
- MOLSON'S BANK
- Branch.—Toronto
- ONTARIO BANK
- Branches.—London, Toronto, Alexandria
- QUEBEC BANK
- Branches and
- ROYAL CANADIAN



Examinations are held twice during the session. A course of study at this institution qualifies for examination before the principal Medical boards in England. A staff of nine Lecturers, independent of the dean, carry on the work of this college.

**MEDICAL FACULTY OF QUEEN'S COLLEGE KINGSTON.**—H. Yates, M.D., Dean, in conjunction with nine Lecturers on Medicine, Chemistry and Anatomy. Session extends from the first Wednesday of October to the last Thursday of March.

## BANKS IN CANADA.

*Their Capital, Branches and Agencies in British North America.*

**BANK OF BRITISH NORTH AMERICA.**—Capital, £1,000,000 stg.—Montreal.  
*Branches.*—Brantford, Halifax, N. S.; Hamilton, Kingston, London, Quebec, St. John, N.B.; Toronto, Victoria, V. I.  
*Agencies.*—Dundas, Ottawa.

**BANK OF MONTREAL.**—Capital, \$6,000,000.—Montreal.  
*Branches.*—Belleville, Brantford, Brockville, Cobourg, Guelph, Hamilton, Kingston, London, Ottawa, Quebec, Peterboro, Toronto, Whitby.  
*Agencies.*—Cornwall, Elora, Fergus, Goderich, Lindsay, Mount Forest, Perth, Picton, Simcoe, St. Catharines, St. Mary's, Stratford, Waterloo.

**BANK OF TORONTO.**—Capital \$2,000,000.—Toronto.  
*Agencies.*—Barrie, Cobourg, Montreal, Peterboro.

**BANK OF UPPER CANADA.**  
This institution became insolvent, September, 1866, and exists only to wind up its affairs.

**BANQUE JACQUES CARTIER.**—Capital \$1,000,000.—Montreal.

**BANQUE DU PEUPLE.**—Capital \$2,000,000.—Montreal.

**BANQUE NATIONALE.**—Quebec.

**CITY BANK.**—Capital, \$1,200,000.—Montreal.

*Branches.*—Toronto, Quebec, Sherbrooke.

**COMMERCIAL BANK OF CANADA.**—Capital \$1,000,000.—Kingston.  
*Branches.*—Belleville, Brockville, Galt, Hamilton, London, Montreal, Peterborough, Toronto.

*Agencies.*—Berlin, Chatham, Ingersoll, Owen Sound, Perth, Prescott, Southampton, Stratford, St. Thomas, Windsor, Napanee.

**EASTERN TOWNSHIPS BANK.**—Sherbrooke.

**GORE BANK.**—Hamilton.

*Branches and Agencies.*—Galt, Guelph, Hamilton, London, Paris, Simcoe, Woodstock.

**MOLSON'S BANK.**—Capital \$1,000,000.—Montreal.

*Branch.*—Toronto.

**ONTARIO BANK.**—Capital \$2,000,000.—Bowmanville.

*Branches.*—Dundas, Guelph, Hamilton, Lindsay, Oshawa, Prescott, Toronto, Alexandria.

**QUEBEC BANK.**—Quebec.

*Branches and Agencies.*—Nicolet, Ottawa, Three Rivers, Toronto, Gaspé.

**ROYAL CANADIAN BANK.**—Toronto, Bowmanville, Brampton, Cobourg.

## AGRICULTURE.

AGRICULTURE, from *ager*, a field, and *colo*, I till. The first object of agriculture is the production of plants, and while nature has made the most extensive provision for the growth of an immense variety of vegetation, man, except in rare cases, is forced to call in the aid of experience and the teachings of science, to produce the kind and quantity of vegetable matter, necessary for his want and luxuries, and although the nations of antiquity were often successful farmers, it is only by a skilful combination of the teachings of modern science, and the adoption of its improvements, that our Canadian farmer can hope permanently to reach his proper reward. Science teaches us that each plant is a collection of cells, and that each cell is composed of, or filled with fats, salts, or albumen. No plant flourishes except its roots are situated in the soil, while but a small portion of its food is derived from the soil, upwards of 95 per cent. of it comes originally from the atmosphere, but the soil is what the farmer expends his strength upon, the atmosphere he cannot change to suit his particular case, his practical knowledge, aided by the discoveries of science, enables him to adopt the soil to all the changes of climate, so that he shall obtain a fitting reward for his labour.

The soil performs a two-fold duty with regard to the plant; it is its birth place and its home during all its process of developement, and it is the source from which it derives a portion of its food, and the medium through which a larger portion is gathered and offered to them.

One of the first steps of a farmer should be, then, the examination of and a proper appreciation of the nature, capabilities and wants of each portion of his ground, for while in general the finer the soil the more fertile will it be, there are many questions connected therewith which must not be lost sight of, such as colour of soil, its quality, retention of moisture, &c. Colour of soil has reference to the quantity of heat absorbed; in general the greater quantity is absorbed by the dark coloured soils, only it must be remembered that those soils which heat the most rapidly, cool also the most quickly. With regard to general quality, is connected the highly important subject of manures, and it is to this we would especially refer. This was a subject but little understood until the researches of modern chemists revealed to us what the composition of the plant is. It was long imagined that the food of the various plants was equally varied; but we are now taught that the food of plants is nearly alike, only some demand a greater abundance of one particular kind than another. The great mass of plants can be resolved into carbonic acid, water, and ammonia, when subjected to heat, or destroyed by fire. Water is so universal that nature supplies all that plants may require, and the light of the sun enables them to decompose carbonic acid and ammonia, and to manufacture out of them the various products they contain. All organic matter yields them by slow decomposition, as well as by heat. These two acids exist in the atmosphere in different quantities, ammonia so sparingly that a liberal application of it is needed to produce luxuriant vegetation. The nitrogen which plants require is assimilated in the form of ammonia and nitric acid. These salts are excellent fertilizers and generally produce the dark green foliage associated with healthy vegetation. Lime acts as a manure, by supplying one of the constituents of plants, but from the large quantity applied, it is seen that its effects are due more to a chemical change.

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Lime promotes the decomposition of all vegetable matter, and corrects any acidity in the organic matter, destroying those weeds which are favored by such a condition of the soil, and by the decomposition of certain salts necessary to the plant, may be said to digest or prepare its food. Lime is the only cure that can be depended on for the "finger and toe" in turnips. Potash is a substance essential to all our crops, but is chiefly supplied by clover and turnips, these being consumed on the farm; and as little potash enters into the animal tissues, it is returned from the manure heap. Soda is another salt which can be easily obtained from barn manure, and it has a good effect in stiffening the straw of corn crops that may be growing too rapidly. It is also an excellent adjunct to growing mangolds, this being a plant originally from the sea shore. Phosphoric acid is very slenderly distributed in the soil, and many plants have great difficulty in obtaining that which is necessary to their rapid and vigorous growth. One of the readiest sources from which this may be obtained will be found in the use of bones. Their employment may be reckoned as one of the greatest modern discoveries in agriculture; they can be applied either crushed, in dust, or dissolved by chemical agents to form the basis of valuable artificial manures, and as phosphorous enters into the composition of every plant and animal, the want of it in most soils must be abundantly supplied. But it is important to notice that while some loamy pastures are restored in a rapid manner by a dressing of this manure, stiff clay will not benefit in like proportion. It is easier to make the want of phosphates a matter of direct experiment than to depend upon analysis. If required, a dressing of half to one ton per acre will amply repay the outlay, and yield its valuable results for upwards of 20 years. It was by a liberal application of this manure that the worn out pastures of Cheshire, in England, were improved, and their produce doubled in one year. But it is chiefly by its power of assimilating the other elements, and furnishing a concentrated supply of food to the turnip crop that its benefit is most strongly marked, and a liberal supply will push the plant through the early stages of its growth, and consequently prevent the ravages of insects.

But it is chiefly upon the farm-yard manure that the farmer must rely; it contains all the elements of plants, and without its application the fertility of the soil would soon deteriorate; and the better the food of the cattle, the richer the manure in all the requisites of fertility. The use of oil cake, which may now be obtained of Canadian manufacture, would soon show an alteration in the richness of manure as well as in the better condition of the stock so fed. A little trouble bestowed upon the spreading of loose soil or straw in the barn yard, so as to prevent the waste of the liquid manure, would soon repay itself; if applied in a liquid form it would soon make an altered appearance in some of our already worn out fields, for while it contains almost all the food of plants, it is so easily applied; and by making a direct application to the roots of the plant during their early stages, so stimulate their growth that it will have the effect as it were of lengthening the summer, and instead of the time being lost (as many suppose) in collecting and distributing this most important agent, it will be immediately returned, and with a large increase.

In prospect of the Confederation of the British North American Provinces being accomplished at an early date, the following facts will be useful and pertinent to the occasion;--The population of the Provinces,



according to the last census, was—Upper Canada, 1,396,091; Lower Canada, 1,111,566; Nova Scotia, 330,857; New Brunswick, 252,048; Newfoundland, 122,635; Prince Edward Island, 80,857; total, 3,294,066. Average increase in 6 years, calculated at 22 per cent., would make the present population of these Provinces, 4,018,748. Males in these Provinces at last census between the ages of 20 and 60 years, 698,918, about 150,000 being between the ages of 45 and 60. At the same time there were 333,604 farmers, and 160,702 labourers; and of lands held by private parties, 45,638,854 acres, of which 13,128,229 were under cultivation, as follows:—

	Held.	Cultivated.
Upper Canada.....	17,708,232	6,061,619
Lower Canada.....	13,680,000	4,804,235
Nova Scotia.....	5,748,893	1,028,032
New Brunswick.....	6,636,329	835,108
Newfoundland.....	100,000	41,108
Prince Edward Island.....	1,365,400	368,127

The same census returns gives the produce of these lands for—

Wheat.....	28,212,760	bushels.
Barley.....	5,692,991	"
Rye.....	1,934,583	"
Pease.....	12,302,183	"
Oats.....	45,634,472	"
Buckwheat.....	3,618,450	"
Indian Corn.....	2,624,163	"
Beans.....	75,755	"
Potatoes.....	39,485,246	"
Other Roots.....	23,730,705	"
Grass Seeds.....	115,345	"
Hay.....	2,242,596	tons.
Hops.....	300,439	lbs.
Maple Sugar.....	16,782,872	"
Wool.....	7,010,914	"
Flax and Hemp.....	2,183,759	"
Butter.....	52,570,886	"
Cheese.....	4,602,065	"
Beef—bbls. of 200 lbs.....	134,562	
Pork " ".....	581,802	

These, at a fair valuation, sum up nearly \$120,000,000. The assessed value of farm lands was \$550,000,000—the true value being more than the assessed value.

The number of sailors and fishermen of the six Colonies at the same time were:—Upper Canada, 808; Lower Canada, 5,150; Nova Scotia, 19,637; New Brunswick, 2,765; Newfoundland, 38,578; Prince Edward Island, 2,138; total, 69,256. Exports of fish, nearly \$10,000,000. Vessels built, 628, with an aggregate tonnage of 230,312 tons. Thus—

Canada.....	158	vessels,	67,209	tons.
Nova Scotia.....	207	"	46,862	"
New Brunswick.....	137	"	85,250	"
Newfoundland.....	26	"	6,000	"
Prince Edward Island.....	100	"	24,491	"

The exports of timber last year were valued at \$15,000,000. The Pro

vinces if united would equal import traffic of \$13,000,000.

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vinces if united would have an annual export trade of \$65,000,000, and an equal import traffic; 2,500 miles of railway; and an annual general revenue of \$13,000,000.

Income of the four Maritime Provinces, \$3,000,000; imports and exports last year were \$42,000,000; population nearly 900,000; registered tonnage of shipping, 645,530 tons, valued at \$27,821,000. The Maritime Provinces have an area of from 50,000 to 60,000 square miles. Nova Scotia has doubled her revenue within six years, and her imports and exports are now something like \$3,500,000. The Maritime Provinces own nearly 800,000 tons of shipping. Newfoundland has a coast line of 1,200 miles, with some of the finest harbours in the world; employs in her fisheries, 13,000 men. Imports and exports, \$12,000,000 per annum; population, 130,000; revenue, between \$500,000 and \$600,000; debt, \$900,000; and some 12,000 vessels, independently of coasting vessels, enter and clear her ports annually.

Prince Edward Island is the garden of America, its bays and coast abound with fish. It is fully capable of supporting a population of 1,000,000. It is almost purely agricultural, and has a revenue of \$200,000 a year.

New Brunswick has an area of 32,000 square miles, or 17,600,000 acres; rather more than the area of Scotland. The coast line is 500 miles in extent, and is indented by spacious bays, inlets and harbours. One-third of the surface of the Province is covered with a bed of coal. The coal of the Albert county is the most valuable deposit of bituminous matter on the American continent, and is apparently inexhaustible. It yields 100 gallons of crude oil per ton. In 1861, 42,965 casks of lime, 42,476 grindstones, 14,080 tons of building stone, and 14,000 tons of gypsum, were brought into the market; and the catch of fish was found to equal \$540,000 exclusive of that consumed by the inhabitants. The export of timber in deals, boards, and pine lumber, amounted to \$3,107,275. They had 92,025 cattle, 69,642 milch cows, 35,830 horses, 214,096 sheep, and 74,057 pigs. At the same time, this province had 866 collegiate, grammar, and toher schools, attended by nearly 29,000 pupils.

The climate of Nova Scotia is remarkably healthy; its rigour being modified by the insular character of the Province, and by the Gulf Stream. The Province abounds in mineral riches, including gold, coal and iron. Of the entire area of the province, 10,000,000 acres are considered good land. In 1860, 213,400 tons of coal were raised from certain specified mines; in the same year there were 900 vessels, 8,816 boats, and 14,322 men employed in the fisheries. There are in the Province, 1150 miles of telegraph and 94 miles of railway; there are 10 colleges and academies, 1,123 grammar, normal and other schools.

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 more than the

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 Nova Scotia,  
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Thus—  
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1860	1861	1862	1863
28000	31000	34000	37000
30000	33000	36000	39000
32000	35000	38000	41000
34000	37000	40000	43000
36000	39000	42000	45000
38000	41000	44000	47000
40000	43000	46000	49000
42000	45000	48000	51000
44000	47000	50000	53000
46000	49000	52000	55000
48000	51000	54000	57000
50000	53000	56000	59000

## Agricultural Statistics of Upper Canada, extracted from

the Volume receiv

TOWNSHIP.	Number of Occupiers.	Acres under Cultivation.	Fall Wheat.	Spring Wheat.
			Bushels.	Bushels.
Brant . . . . .	2333	148465	561912	172547
Bruce . . . . .	4185	89230	45592	596518
Carleton . . . . .	3721	149046	76377	365100
Dundas . . . . .	2196	76700	6160	240631
Durham . . . . .	3386	205107	371181	736790
Elgin . . . . .	3248	166028	155166	215274
Essex . . . . .	2595	77105	122231	35080
Frontenac . . . . .	2807	123834	10592	324955
Glengarry . . . . .	2476	99880	10489	141141
Grenville . . . . .	2478	106998	2283	266813
Grey . . . . .	5713	133885	83389	718148
Haldimand . . . . .	2629	128445	96850	250026
Halton . . . . .	1877	131209	417253	184745
Hastings . . . . .	4098	198982	34337	350915
Huron . . . . .	6815	215325	140831	1628218
Kent . . . . .	3453	115858	172643	121735
Lambton . . . . .	2869	96092	26970	333302
Lanark . . . . .	3461	180436	53304	321990
Leeds . . . . .	3706	180234	31980	446579
Lennox and Addington . .	2829	162560	5803	388612
Lincoln . . . . .	1993	109098	63647	142264
Middlesex . . . . .	5930	233672	76282	1046096
Norfolk . . . . .	2819	145553	378388	65230
Northumberland . . . . .	3497	206900	199697	475558
Ontario . . . . .	3645	205353	352544	784530
Oxford . . . . .	4453	231058	386232	657904
Peel . . . . .	2509	171037	587433	346706
Perth . . . . .	4513	166419	105757	1125043
Peterborough . . . . .	2241	107048	229549	130706
Prescott . . . . .	1412	53934	4852	57976
Prince Edward . . . . .	1903	150726	14581	179799
Renfrew . . . . .	2879	85461	75020	126343
Russell . . . . .	690	20712	6153	33236
Simcoe . . . . .	4614	202312	451191	891542
Stormont . . . . .	1819	80071	7099	167425
Victoria . . . . .	2651	108834	140387	567962
Waterloo . . . . .	2792	183613	616163	501034
Welland . . . . .	2181	116531	74476	123607
Wellington . . . . .	5407	232346	233931	1098693
Wentworth . . . . .	2446	158667	318459	229377
York . . . . .	4697	292213	836925	560864
Algoma . . . . .	123	1819	46	130
Nipissing . . . . .	94	2823	.....	1640

Barley.	By
Bushels.	Bus
115926	5
24092	1
12519	11
57173	2
39919	10
78931	9
11947	13
53222	5
26546	
16641	1
26261	
183322	
110861	
142592	19
33421	
74925	1
19646	
15605	
13938	
208859	1
108884	
96731	
56992	
87792	
77102	
129739	
203530	
23683	
14628	
14121	
30225	
8848	
2397	
15684	
14757	
10288	
52969	
138737	
54057	
194200	
230049	
145	
58	



the Volume recently issued by the Minister of Agriculture.

tracted from

Spring Wheat.	Barley.	Rye.	Oats.	Potatoes.	Turnips.	Hay.
Bushels.	Bushels.	Bushels.	Bushels.	Bushels.	Bushels.	Tons.
172547	115926	5557	316561	298103	48675	20928
596518	24092	1946	213585	390674	848403	13752
365100	12519	11380	736096	675874	185162	31334
240631	57173	2031	385990	200775	4161	15249
736790	39919	10608	691724	480784	860043	16980
215274	78931	9865	644366	286199	302181	31820
35080	11947	13506	264432	208318	48693	13611
324955	53222	50494	491282	314987	42192	20987
141141	26546	452	507621	180302	5079	18505
266813	16641	16186	373586	328451	27386	16553
718148	26261	156	367350	544419	1022915	20884
250026	183322	5943	458181	221025	50510	23910
184745	110861	2074	309223	244011	294976	17384
850915	142592	191353	611293	492146	166921	23297
1626218	33421	228	651243	525236	1243901	29073
121735	74925	10510	400997	290204	145411	19739
333302	19646	1522	393013	278022	198311	19250
321990	15605	3665	499556	598955	166914	24490
446579	13938	13421	547823	392588	45271	30108
388612	208859	199876	418756	266264	36128	22010
142264	108884	20787	364247	230995	101358	19881
1046096	96731	3625	941192	640201	1269309	39188
65230	56992	22032	289548	330186	348671	26452
475558	87792	58056	534500	464374	479458	23081
784530	77102	3600	909596	469728	1501265	22954
657904	129739	2967	966701	491616	1213446	33723
346706	203530	1080	473404	365118	92034	17577
1125043	23683	259	595731	370869	905378	23156
130706	14628	2835	498487	320764	328879	12038
57976	14121	3842	308368	215941	27426	12280
179799	30225	249544	218723	207417	30864	12559
126343	8848	1737	329231	403862	51656	12606
33236	2397	1116	92362	70701	19410	5424
891542	15684	215	678189	675360	873932	18747
167425	14757	818	331746	162025	2329	13249
567962	10288	283	453998	374212	320535	8814
501034	52969	15764	616178	453793	989760	22506
123607	138737	24292	491617	192209	44046	24557
1098693	54057	1524	957391	587706	2729391	25332
229377	194200	5150	560575	350708	54728	27228
560864	230049	1982	1303237	682823	974932	29552
130	145	.....	5025	29599	3999	127
1640	58	.....	18150	12376	929	949

## TIME.

Time is precious; but its value is unknown to us. We shall obtain this knowledge when we can no longer profit by it. Our friends require it of us, as if it were nothing; and, we give it them in the same manner. It is often a burden to us; and, we know not what to do with it. But, the day will come when a quarter-of-an-hour will appear of more value to us than all the riches of the Universe.

God, who is liberal in all his other gifts, shows us, by the wise economy of his providence, how circumspect we ought to be in the management of our time; for, He never gives us two moments together. He only gives us the second as He takes away the first; and keeps the third in his own hands; leaving us to absolute uncertainty whether it shall ever become ours or not. Time is given us, that we may take care for eternity; and, eternity will not be too long to regret the loss of our time, if we have mis-spent it.

FENELON.

## MORAL COURAGE.

Have the courage to cut the most agreeable acquaintance you have when you are convinced he wants principle. A friend should bear with a friend's infirmities; but not with his vices.

Have the courage to show your respect for honesty, in whatever guise it appears; and your contempt for dishonesty and duplicity, by whomsoever exhibited.

Have the courage to speak your mind when it is necessary you should do so, and hold your tongue when it is prudent to do so.

Have the courage to speak to a friend in a "seedy" coat, even though you are in company with a rich one, and well attired.

Have the courage to wear thick boots in the winter; and insist upon your wife and daughter doing the same.

Have the courage to obey your own conscience, at the risk of being ridiculed by men.

Have the courage to own you are poor, and disarm poverty of its sharpest sting.

Have the courage to discharge a debt while you have the money in your pocket.

Have the courage to prefer comfort and propriety to fashion, in all things.

## CAUTION TO BOYS.

Boys, use no profane language; utter no word that will cause the most virtuous to blush. Profanity is a mark of low breeding; and the habit of using indecent and profane language is degrading to your minds. Its injurious effects may not be felt at the moment, but they will continue to manifest themselves to you through life.

They may never be obliterated; and, when you grow up, you will find, at your tongue's end, some expression which you would not use for any money. And, this expression was learned when you were a boy. By being careful on this point, you may save yourself much mortification and sorrow. Honesty, frankness, generosity, and virtue are noble traits. Let these be yours; and, we shall not fear, you will then gain the esteem and love of all.

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