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MILLER'S  
CANADIAN  
FARMER'S ALMANAC

FOR THE YEAR OF OUR LORD

1889

June,  
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Also for  
Longitude  
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1872 NOTRE DAME STREET,

MONTREAL.

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**MILLER'S**

CANADIAN

# FARMER'S ALMANAC

FOR THE YEAR OF OUR LORD



Being the first after Bissextile or Leap Year, and until the 20th of June, the fifty-second year of the reign of Her Majesty Queen Victoria.

Calculated for the Meridian of Montreal, in Latitude  $45^{\circ} 31'$  North, and Longitude  $73^{\circ} 35'$  West from the Royal Observatory, Greenwich. Also for the Meridian of Halifax, N. S., in Latitude  $44^{\circ} 39' 20''$ , and Longitude  $63^{\circ} 38' 40''$ , and for Ottawa, which is in Latitude  $44^{\circ} 50'$ , Longitude  $75^{\circ} 25'$  West. But the Almanac is arranged to serve with an essential variation for most parts of the Dominion.

PUBLISHED BY

**ROBERT MILLER, SON & CO.,**

MANUFACTURING STATIONERS,

1872 NOTRE DAME STREET,

MONTREAL.

*Edwards*

## CANADIAN FARMER'S ALMANAC.

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1872 Notre Dame Street,

MONTREAL, January 1st, 1889.

The Publishers of this OLD, RELIABLE and STANDARD ALMANAC, with a view to meeting the wants of their numerous patrons throughout Canada, have had the matter arranged so as to include the Provinces of Ontario, Quebec, New Brunswick and Nova Scotia. This has necessitated a departure from the old and familiar arrangement of the monthly pages. The Ecclesiastical Calendar and Weather Aspects, &c., will now be found at the foot of each month's solar and lunar calculations. The monthly foot notes of sound advice to Farmers have been transferred to pages containing useful information.

*Robert Miller*  
**ROBERT MILLER, SON & CO.,**

*Robert Miller*  
*Publishers.*

## ECLIPSES FOR THE YEAR 1888.

During this year there will be five eclipses, three of the Sun, and two of the Moon, in the following order :

I. January 1st, there will be a total Eclipse of the Sun, invisible. This Eclipse begins on the earth generally, 1st January, 7 h. 3 m. 6, meantime at Greenwich, in longitude 179° 52' west of Greenwich and latitude 31° 25' North, and it ends on the earth generally January 10th, 11 h. 33 m. in longitude 93° 54' W. of Greenwich, and latitude 39° 38' N.

II. January 16th, there will be a partial Eclipse of the Moon, partly visible.

Middle of the Eclipse 12 h 35.

Magnitude of the Eclipse (Moon's diameter = 1) 0696.

III. June 27th, there will be an annular Eclipse of the Sun, invisible.

At the Cape of Good Hope, a partial Eclipse is visible 8 h to 53 ev. meantime.

IV. July 12th, there will be a partial Eclipse of the Moon, partly visible at Greenwich.

Middle of Eclipse, Montreal..... 4 00 mo.

V. December 21, 22, there will be a total Eclipse of the Sun, invisible.

A partial Eclipse is visible at the Cape of Good Hope, at early\_morn, on the 22nd December.

### MORNING STARS.

Venus, until April 30th. Mars, after June 17th. Jupiter, until June 24th. Saturn, until February 5th, and after August 16th. Mercury, after February 24th; until April 24th, until June 19th, after August 7th, until October 15th; after December 7th.

### EVENING STARS.

Venus, after April 30th. Mars, until June 17th. Jupiter, after June 24th. Saturn, after February 15th, until August 16th. Mercury, until February 14th; after April 24th, until June 19th; after August 7th, until October 15th; after December 7th.

### THE FOUR SEASONS.

Winter begins December 21st, 1888, at 4h. 24m. mo., and continues 88 days 7h. 28m.

Spring begins March 19th, 1889, at 11h. 52m., ev., and lasts 93 days, 13h. 26m.

Summer begins June 21st, at 1h. 20m., mo., and continues 93 days, 9h. 50m.

Autumn begins September 22nd, at 11h. 10m., and lasts 89 days, 17h. 52m.

Winter begins December 21st, 1889, at 5h. 2m., m.

## BANK HOLIDAYS IN ONTARIO.

Every Sunday, Christmas Day, New Year's Day, Ash Wednesday, Good Friday, Easter Monday, The Queen's Birthday, and each day appointed by Royal Proclamation as a General Fast or Thanksgiving Day.

## ZODIACAL SIGNS.

Aries, the Ram, Head and Face.



## CHRONOLOGICAL CYCLES.

Dominical or Sunday letter.....	F.	Roman Indiction.....	2
Golden Number.....	9	Julian Period.....	6602
Epoch or Moon's Age.....	28	Diocletian Era.....	1604
Solar Cycle.....	22	Dominion of Canada 23rd year July 1st.	

## MOVABLE FESTIVALS.

Septuagesima.....	Feb.	17	Low Sunday.....	April	28
Quinquagesima.....	March	3	Rogation Sunday.....	May	26
Ash Wednesday.....	"	6	Ascension Day.....	"	30
Quadragesima.....	"	10	Whit Sunday.....	June	9
Annunciation.....	"	25	Trinity Sunday.....	"	16
Palm Sunday.....	April	14	Corpus Christi.....	"	20
Good Friday.....	"	19	Michaelmas Day.....	Sept.	29
Easter Sunday.....	"	21	Advent Sunday.....	Dec.	1

## HOLIDAYS OBSERVED IN PUBLIC OFFICES.

Circumcision.....	January	1	Her Majesty's Birthday.....	May	24
Epiphany.....	"	6	Corpus Christi.....	June	20
Ash Wednesday.....	March	6	St. Peter and St. Paul.....	"	29
Annunciation B.V.M.....	"	25	Dominion Day.....	July	1
Good Friday.....	April	19	All Saints Day.....	Nov.	1
Easter Monday.....	"	22	Immaculate Conception.....	Dec.	8
Ascension Day.....	May	30	Christmas Day.....	"	25

The year 5550 of the Jewish era commences on Sept. 26, 1889.

The year 1307 of the Mohammedan Era commences Aug. 28, 1889.

## TO THE OWNERS OF WOODLANDS.

The Pennsylvania Forestry Association in doing good and valuable work in teaching the people of that State to take care of their forests. *Forest Leaves*, the organ of the Association, is full of information about forests, trees and tree culture, and with more frequent and regular publication would be a model of its kind.

The clear and forcible recommendations which this Association makes in one of its recent circulars are applicable to every owner of a forest or of a piece of woodland; and we are glad of the opportunity to reproduce them for the benefit of our readers. The Association "wants every farmer, every owner of woodland, to know—

"That his wood lot contains a valuable crop, which it will pay him, not only to cut down and slaughter, but to manage and utilize judiciously;

"That it is possible to utilize the old trees in such a manner that a new, valuable crop is produced instead of the inferior crop, which now so often takes the place of the virgin forest after indiscriminate cutting;

"That as an intelligent manager and husbandman, he would do better to see to a natural reproduction of his wood-lot, to cut with regard to the spontaneous young growth, rather than to clear indiscriminately;

"That the time has come when forest destruction must give way to forest management; for timber is becoming more valuable every year, as it grows scarcer in the country at large;

"That in the woodlands in proper proportion lie, to a large extent, the conditions of a favorable climate and successful agriculture;

"That upon forest growth depend healthfulness and equatleness of climate;

"That the forest breaks the force and tempers the fury of the northern, and cools and moistens the breath of the southern wind;

"That by its own cooler and moister atmosphere in summer and warmer atmosphere in winter, it tends to equalize temperature and humidity over the intervening fields;

"That while the open, treeless, heated prairie prevents the fall of rain, allowing moisture-laden clouds to pass over it undrained, we must thank our forest-clad hills and mountains for our more frequent, more gentle, more useful showers; and, above all,

"That the forest cover of the mountains preserves the even water flow in our springs, brooks and rivers, while its destruction, or even deterioration, increases the danger of floods, washes off the fertile soil, and then brings down unfruitful soil into fertile valleys, lowers the water level, and, in general, throws out of balance the favorable conditions for agriculture;

"That while we advocate the cutting and using of the wood crop as we need it, we must not any longer, as we have done, squander and waste it; we must not clear where clearing produces danger to the surrounding country."—*Garden and Forest*.

If the clearing up has not been done, lose no time in raking up and removing rubbish of all kinds. If manure is used on the lawn, let it be so thoroughly decomposed that the seeds of weeds cannot survive. Such fertilizers as ashes and bone-dust can be used without risk. Nitrate of soda, three hundred pounds to the acre, is an excellent manure for grass, especially if it can be applied just before a rain.

The best American wood for butter firkins is sound, white oak. There are, however, several other species of oak that answer very well for this purpose, but the common white oak is the best. White ash is also extensively used for butter-tubs, but it contains an acid which is objectionable. There are very few kinds of native wood fit for making butter packages, although spruce, pine and other easily worked woods are used for such purposes, and really good butter is often spoiled by being packed in tubs made of gummy and strong-scented wood.

Moon's Phases.		Halifax.	Quebec	Montreal.	Ottawa.	Toronto.	London.
	D.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
New Moon.....	1	4 53 mo.	4 23 mo.	4 13 mo.	4 05 mo.	3 51 mo.	3 43 mo.
First Quarter.....	8	8 26 mo.	7 56 mo.	7 46 mo.	7 28 mo.	7 24 mo.	7 16 mo.
Full Moon.....	16	1 22 ev.	0 52 ev.	0 42 ev.	0 34 ev.	0 20 ev.	0 12 ev.
Last Quarter.....	23	11 43 ev.	11 13 ev.	11 03 ev.	10 55 ev.	10 41 ev.	10 33 ev.
Now Moon.....	30	4 55 mo.	4 25 mo.	4 15 mo.	4 07 mo.	3 53 mo.	3 45 mo.

Days		Montreal, Q.		Toronto, O.		Halifax, N.S.		The Dominion.		
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Moon's Age Noon.	Sun's Declina- South.	Sun on Meridian.
		h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	D. fr.	S. D. m.	h. m. a
1	Tues.	7 7	4 21	7 34	4 34	7 37	4 30	29 1	22 58	12 03 43
2	Wed.	7 7	4 22	7 34	4 35	7 37	4 31	0 6	22 52	04 12
3	Thur.	47	23	34	36	37	32	1 6	22 46	04 40
4	Fri.	46	24	34	37	37	33	2 6	22 40	05 07
5	Sat.	46	25	34	37	37	34	3 6	22 33	05 34
6	F.	7 46	4 27	7 34	4 38	7 37	4 35	4 6	22 26	12 06 11
7	Mon.	45	28	33	39	37	36	5 6	22 18	06 27
8	Tues.	45	29	33	41	37	37	6 6	22 10	06 58
9	Wed.	45	30	33	42	36	38	7 6	22 2	07 18
10	Thur.	44	31	33	43	36	39	8 6	21 53	07 43
11	Fri.	44	32	32	44	36	40	9 6	21 43	08 07
12	Sat.	44	33	32	45	35	41	10 6	21 33	08 30
13	F.	7 43	4 34	7 32	4 46	7 34	4 43	10 6	21 23	12 06 53
14	Mon.	42	35	31	47	34	44	12 6	21 12	09 16
15	Tues.	42	37	31	48	33	45	13 6	21 1	09 37
16	Wed.	40	38	30	49	33	47	14 6	20 50	09 58
17	Thur.	40	39	29	51	32	48	15 6	20 38	10 19
18	Fri.	39	41	29	52	32	49	16 6	20 26	10 38
19	Sat.	39	42	28	53	31	51	17 6	20 13	10 57
20	F.	7 38	4 43	7 28	4 55	7 30	4 52	18 6	20 0	12 11 15
21	Mon.	37	45	27	56	29	53	19 6	19 47	11 32
22	Tues.	36	47	26	57	29	54	20 6	19 33	11 48
23	Wed.	35	47	26	59	28	55	21 6	19 19	12 04
24	Thur.	34	49	25	6 00	27	57	22 6	19 4	12 19
25	Fri.	33	51	24	1	26	58	23 6	18 50	12 33
26	Sat.	32	52	23	3	25	5 00	24 6	18 34	12 46
27	F.	7 32	4 53	7 22	5 4	7 24	5 1	25 6	18 19	12 12 59
28	Mon.	31	54	21	5	23	3	26 6	18 3	13 10
29	Tues.	31	56	20	7	23	4	27 6	17 47	13 27
30	Wed.	30	58	19	8	22	5	28 6	17 30	13 31
31	Thur.	7 28	5 00	7 18	5 9	7 21	5 7	0 1	17 14	12 13 40

## CALENDAR, WEATHER ASPECTS, &amp;c.

- |   |   |
|---|---|
| <p>D</p> <ol style="list-style-type: none"> <li>1 Circumcision.</li> <li>2 With the New Moon yesterday</li> <li>3 came aspects of moderate</li> <li>4 weather, with partial snow storms.</li> <li>5 Quiet, fine and frosty.</li> <li>6 Epiphany. Twelfth Day.</li> <li>7 There has not been a superabun-</li> <li>8 dance of snow, but for some days</li> <li>9 now there will be wind</li> <li>10 accompanied with local</li> <li>11 snow storms, chiefly East.</li> <li>12 Moon in Apogee, 5 mo.</li> <li>13 1st Sunday after Epiphany.</li> <li>14 Fine cold weather.</li> <li>15 Another fine winter's day.</li> <li>16 Changeable and unsettled</li> </ol> | <p>D</p> <ol style="list-style-type: none"> <li>17 but considerably milder</li> <li>18 than on last Sunday.</li> <li>19 Fine winter's day.</li> <li>20 2nd Sunday after Epiphany.</li> <li>21 Not excessively cold, and</li> <li>22 Some aspects indicate thaw.</li> <li>23 Cool rather damp, there</li> <li>24 are dull, dark nights.</li> <li>25 Conversion of St. Paul.</li> <li>26 27 St. John Chrysostome, A. D. 497</li> <li>27 3rd Sunday after Epiphany.</li> <li>28 Moon in Perigee, 7 mo.</li> <li>29 Rather stormy aspects.</li> <li>30 In fact we look for a</li> <li>31 rough ending of this month,</li> </ol> |
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1889.]

MEMORANDUM FOR JANUARY.

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Moon's Phases.		Halifax.	Quebec.	Montreal.	Ottawa.	Toronto.	London.
	D.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
First Quarter.....	7	4 44 mo.	4 14 mo.	4 04 mo.	3 59 mo.	3 42 mo.	3 34 mo.
Full Moon.....	15	6 03 mo.	5 33 mo.	5 23 mo.	5 15 mo.	5 05 mo.	4 53 mo.
Last Quarter.....	22	7 41 mo.	7 11 mo.	7 01 mo.	6 53 mo.	6 40 mo.	6 31 mo.

DAYS.		Montreal, Q.		Toronto, O.		Halifax, N.S.		The Dominion.		
M	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Moon's Age Noon.	Sun's Declina. South.	Sun on Meridian.
		h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	D. m.	h. m.	h. m. s.
1	Fri.	7 27	5 01	7 17	5 11	7 20	5 08	1 15	16 57	12 13 49
2	Sat.	26	2	16	12	18	9	2 1	16 39	13 56
3	F.	7 25	5 3	7 15	5 13	7 17	5 11	3 1	16 22	12 14 3
4	Mon.	23	5	14	15	16	12	4 1	16 4	14 9
5	Tues.	22	6	12	16	15	14	5 1	15 45	14 14
6	Wed.	21	8	11	17	14	15	6 1	15 27	14 19
7	Thur.	19	9	10	19	12	17	7 1	15 8	14 22
8	Fri.	18	11	9	20	10	18	8 1	14 49	14 25
9	Sat.	17	13	7	22	9	19	9 1	14 39	14 27
10	F.	7 16	5 14	7 6	5 23	7 8	5 21	10 4	14 10	12 14 28
11	Mon.	14	16	5	24	7	22	11 4	13 50	14 29
12	Tues.	13	17	3	26	5	24	12 4	13 31	14 29
13	Wed.	11	18	2	27	4	25	13 1	13 10	14 28
14	Thur.	9	19	1	28	2	26	14 1	12 50	14 26
15	Fri.	8	20	6 59	30	1	28	15 1	12 29	14 23
16	Sat.	6	22	58	31	6 59	29	16 1	12 9	14 20
17	F.	7 4	5 24	6 56	5 32	6 58	5 31	17 1	11 48	12 14 19
18	Mon.	3	25	55	34	56	32	18 1	11 28	14 11
19	Tues.	1	27	53	35	55	33	19 1	11 6	14 6
20	Wed.	7 00	28	52	36	53	35	20 1	10 43	13 59
21	Thur.	6 59	30	50	38	51	36	21 1	10 22	13 52
22	Fri.	57	31	49	39	49	38	22 1	10 0	13 45
23	Sat.	55	33	47	40	48	39	23 1	9 38	13 37
24	F.	6 55	5 34	6 45	5 42	6 46	5 40	24 1	9 16	12 13 28
25	Mon.	51	35	44	43	45	42	25 1	8 53	13 18
26	Tues.	49	37	42	44	43	44	26 1	8 31	12 57
27	Wed.	47	39	40	46	41	46	27 1	8 8	12 47
28	Thur.	6 46	5 40	6 38	5 48	6 38	5 47	28 1	7 46	12 12 35

## CALENDAR, WEATHER ASPECTS, &amp;c.

D

- 1 Bright and breezy day.
- 2 Purification of *Virgin Mary*.
- 3 4th Sunday after Epiphany.
- 4 More snow falls and in
- 5 the Eastern parts of Quebec the
- 6 down-fall has been very
- 7 considerable, heavy winds
- 8 occasion much drifting.
- 9 Moon in Apogee, 1 mo.
- 10 5th Sunday after Epiphany.
- 11 Eastern rail-roads greatly
- 12 impeded by snow drifts,
- 13 and general travel very bad.
- 14 *St. Valentine's Day*.

D

- 15 Very cold day and
- 16 this cold spell continues to-day.
- 17 *Septuagesima*.
- 18 Much finer weather and
- 19 more settled and calm.
- 20 It is yet winter, but very
- 21 moderate for the season.
- 22 Serene and pleasant.
- 23 24 *St. Mathias*, Moon in Apogee, 3 mo
- 25 *Sexagesima*, Moon in Apogee, 3 mo
- 26 Rather dull days about
- 27 snow, and the aspects are
- 28 not at the month will
- 29 end tempestuously.

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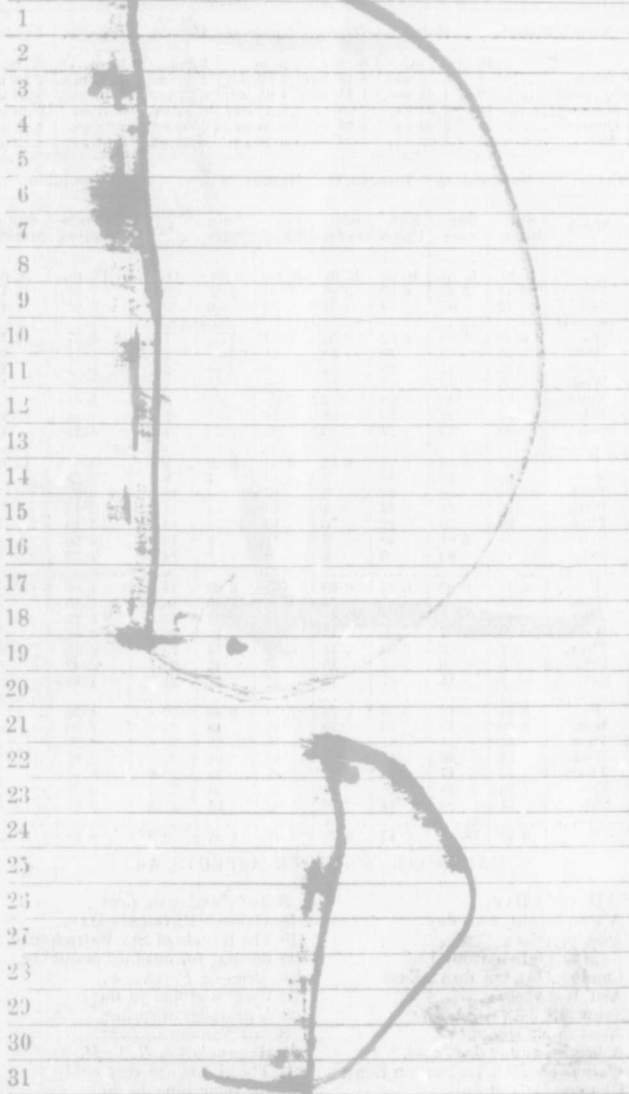
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ALMANAC FOR FEBRUARY.

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Moon's Phases.		Halifax.	Quebec.	Montreal.	Quebec.	Toronto.	London.
	D.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
New Moon	1	5 46 mo.	5 16 mo.	5 06 mo.	4 56 mo.	4 44 mo.	4 36 mo.
First Quarter	9	1 45 mo.	1 15 mo.	1 05 mo.	0 57 mo.	0 43 mo.	0 35 mo.
Full Moon	16	7 33 ev.	7 03 ev.	6 53 ev.	6 44 ev.	6 31 ev.	6 23 ev.
Last Quarter	23	2 40 ev.	2 10 ev.	2 00 ev.	1 52 ev.	1 38 ev.	1 30 ev.
New Moon	30	7 23 ev.	6 53 ev.	6 43 ev.	6 35 ev.	6 31 ev.	6 23 ev.

M	Week.	Montreal, Q.		Toronto, O.		Halifax, N.S.		The Dominion.		
		Sun Rises.	Sun Sets	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Moon's Age Noon.	Sun's Declina.	Sun on Meridian.
		h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	D. fr.	D. m.	h. m. a.
1	Fri.	6 44	5 42	6 35	5 49	6 36	5 48	29 1	7 23	12 12 23
2	Sat.	42	43	34	51	35	50	0 6	7 00	12 11
3	F.	6 40	5 44	6 32	5 52	6 33	5 41	1 6	6 37	12 11 58
4	Mon.	39	45	30	53	31	42	2 6	6 14	11 46
5	Tues.	37	47	29	54	29	41	3 6	5 51	11 30
6	Wed.	36	48	27	56	28	35	4 6	5 27	11 16
7	Thur.	34	49	25	57	26	26	5 4	5 04	11 01
8	Fri.	31	51	23	58	24	18	6 6	4 41	10 46
9	Sat.	29	53	22	59	22	10	7 6	4 17	10 31
10	F.	6 27	5 54	6 20	6 01	6 20	6 00	8 6	3 54	12 10 15
11	Mon.	25	55	18	2	19	1	9 6	3 30	9 59
12	Tues.	24	56	16	3	17	3	10 6	3 07	9 43
13	Wed.	22	58	14	4	15	4	11 6	2 43	9 26
14	Thur.	20	59	12	6	13	5	12 6	2 19	9 09
15	Fri.	18	6 01	10	7	11	7	13 6	1 56	8 52
16	Sat.	16	6 02	9	8	9	8	14 6	1 32	8 35
17	F.	6 14	6 03	6 07	6 09	6 09	6 09	15 6	1 08	12 8 17
18	Mon.	12	4	1	1	1	1	16 6	0 45	8 00
19	Tues.	11	4	1	1	1	1	17 6	S 0 21	7 42
20	Wed.	10	4	2	1	1	1	18 6	N 0 02	7 24
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22	Fri.	5	9	5 58	15	11	15	20 6	0 49	6 47
23	Sat.	2	11	57	16	9	17	21 6	1 13	6 29
24	F.	6 01	6 12	5 55	6 18	5 54	6 18	22 6	1 36	12 6 10
25	Mon.	5 59	13	53	19	52	19	23 6	2 00	5 52
26	Tues.	57	15	51	20	51	20	24 6	2 23	5 35
27	Wed.	55	16	49	21	49	21	25 6	2 47	5 15
28	Thur.	53	17	48	22	47	22	26 6	3 10	4 56
29	Fri.	52	18	46	24	45	24	27 6	3 34	4 38
30	Sat.	51	20	44	25	43	25	28 6	3 57	4 19
31	F.	5 48	6 21	5 42	6 26	5 42	6 27	29 6	4 20	12 4 1

## CALENDAR, WEATHER ASPECTS, &amp;c.

D

- 1st. DAVID'S DAY.  
 2 A fine, bright, cool day.  
 3 Quadragesima.  
 4 Rain has fallen around  
 5 London, Ont. but down East  
 6 ASH WEDNESDAY.  
 7 Snow fell with wind.  
 8 Moon in Apogee, 9 ev.  
 9 A bright, sunny day, cold.  
 10 Quinquagesima, 1st Sun. in Lent.  
 11 Changeable and dull.  
 12 St. Gregory  
 13 A cold rain storm began  
 14 but changed into snow  
 15 and about now there come  
 16 heavy gales of wind.

D

- 2nd Sunday in Lent.  
 18 17th St. PATRICK'S DAY.  
 19 The friends of St. Patrick had a  
 20 fine day for outdoor marching.  
 21 Moon in Perigee, o.  
 22 Clear and fine to day.  
 23 A prospect of spring.  
 24 3rd Sunday in Lent.  
 25 Annunciation B. V. M.  
 26 The nights are very cold  
 27 for some time, in fact  
 28 there is a good deal of  
 29 frost and snow in these  
 30 last days of March.  
 31 4th Sunday in Lent.

1889.]

MEMORANDUM FOR MARCH.

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Moon's Phases.		Halifax.	Quebec.	Montreal.	Ottawa.	Toronto.	London.
	D.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
First Quarter.....	7	9 33 ev.	9 03 ev.	8 53 ev.	8 45 ev.	8 31 ev.	8 23 ev.
Full Moon.....	15	6 04 mo.	5 34 mo.	5 24 mo.	5 16 mo.	5 02 mo.	4 54 mo.
Last Quarter.....	21	9 41 ev.	6 11 ev.	6 01 ev.	5 53 ev.	5 39 ev.	5 31 ev.
New Moon.....	29	9 51 mo.	9 21 mo.	9 11 mo.	9 03 mo.	7 49 mo.	7 41 mo.

DAYS.		Montreal, Q.		Toronto, O.		Halifax, N.S.		The Dominion.		
M	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Moon's Age Noon.	Sun's Declina. North.	Sun on Meridian.
		h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	D. fr.	D. m.	h. m. s.
1	Mon.	5 46	6 22	5 40	6 27	5 40	6 28	1 0	4 43	12 3 43
2	Tues.	45	23	39	28	38	29	2 0	5 06	3 25
3	Wed.	42	24	37	29	36	30	3 0	5 29	0 7
4	Thur.	41	25	35	31	34	32	4 0	5 52	2 50
5	Fri.	39	27	33	32	32	33	5 0	6 15	2 32
6	Sat.	37	29	31	33	31	34	6 0	6 38	2 15
7	F.	5 35	6 30	5 30	6 29	5 29	6 35	7 0	7 00	12 1 58
8	Mon.	33	31	28	30	36	36	8 0	7 23	1 41
9	Tues.	32	32	26	37	35	38	9 0	7 45	1 25
10	Wed.	31	33	24	38	33	39	10 0	8 7	1 08
11	Thur.	28	34	23	39	22	40	11 0	8 29	0 52
12	Fri.	26	36	21	40	20	41	12 0	8 51	0 37
13	Sat.	24	37	19	41	18	43	13 0	9 13	0 21
14	F.	5 22	6 38	5 18	6 43	5 16	6 44	14 0	9 34	12 0 6
15	Mon.	20	40	16	44	15	45	15 0	9 56	11 59 52
16	Tues.	18	42	14	45	13	46	16 0	10 17	59 37
17	Wed.	17	43	13	46	11	48	17 0	10 38	59 23
18	Thur.	15	44	11	47	9	49	18 0	10 59	59 10
19	Fri.	13	45	9	48	8	50	19 0	11 20	58 57
20	Sat.	11	47	8	50	6	51	20 0	11 40	58 44
21	F.	5 10	6 48	5 09	6 51	5 4	6 53	21 0	12 1	11 58 31
22	Mon.	8	49	5	52	3	54	22 0	12 21	58 20
23	Tues.	6	50	3	53	1	55	23 0	12 41	58 08
24	Wed.	5	51	2	54	5 00	56	24 0	13 01	57 57
25	Thur.	3	53	5 00	56	4 58	58	25 0	13 20	57 46
26	Fri.	2	55	4 58	57	56	59	26 0	13 39	57 36
27	Sat.	5 00	56	57	58	56	60	27 0	13 59	57 27
28	F.	4 58	6 57	4 55	6 59	4 53	7 1	28 0	14 17	11 57 18
29	Mon.	56	58	54	7 00	52	3	29 0	14 36	57 9
30	Tues.	4 55	6 59	4 53	7 01	4 51	7 4	0 4	14 55	11 57 1

## CALENDAR, WEATHER ASPECTS, &amp;c.

D

- 1 ALL FOOL'S DAY, so called.
- 2 We have had some warm and
- 3 pleasant days, now changeable.
- 4 *Saint Ambrose*
- 5 *Moon in Apogee*, 5 ev.
- 6 Winds and storms prevail.
- 8 *5th Sunday in Lent*.
- 8 Considerable rain, which
- 9 has had the effect of lowering
- 10 the snow banks, no ploughing
- 11 done down East, but in
- 12 the West the farmers have
- 13 done a good deal of work.
- 15 PALM SUNDAY.
- 16 A very fine, sunny day.

D

- 16 Another fine day.
- 17 *Moon in Perigee*, 2 ev.
- 18 Very agreeable weather.
- 19 GOOD FRIDAY.
- 20 There is prospect of a fine
- 21 S EASTER SUNDAY.
- 22 EASTER MONDAY.
- 23 ST. GEORGE'S DAY.
- 24 Season for Easter Holidays.
- 25 *St. Mark the Evangelist*.
- 26 Cloudy day with wind
- 27 followed by heavy rains.
- 28 *Low Sunday*.
- 29 A very balmy spring like
- 30 day. Month ends calm.

Monday.

1889.]

MEMORANDUM FOR APRIL.

13

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- 20
- 21 *setty calf*
- 22
- 23
- 24 *set turkey*
- 25
- 26
- 27 *set turkey*
- 28
- 29 *setty calf*
- 30
- 31

5th Month.

MAY, 31 Days.

Begins on Wednesday.

Moon's Phases.		Halifax.	Quebec.	Mon.	Anglo.	Onto.	London.
	D.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
First Quarter....	7	2 28 ev.	1 58 ev.	1 48 ev.	1 40 ev.	1 26 ev.	1 18 ev.
Full Moon.....	14	2 28 ev.	1 58 ev.	1 48 ev.	1 40 ev.	1 26 ev.	1 18 ev.
Last Quarter.....	21	5 39 mo.	5 09 mo.	4 59 mo.	4 51 mo.	4 37 mo.	4 29 mo.
New Moon.....	29	1 05 mo.	0 35 mo.	0 25 mo.	0 17 mo.	0 03 mo.	28 11 55 ev.

DAYS.		Montreal, Q.		Toronto, O.		Halifax, N.S.		The Dominion.		
M	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Moon's Age Noon.	Sun's Declina. North.	Sun on Meridian.
		h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	D. fr.	D. m.	h. m. s.
1	Wed.	4 54	7 0	4 51	7 8	4 49	7 5	1 4	15 13	11 56 54
2	Thu.	53	1	50	5	49	7	2 4	15 31	56 47
3	Fri.	51	3	49	6	46	9	3 4	15 48	56 41
4	Sat.	50	4	48	8	44	10	4 4	16 6	56 35
5	F.	4 49	7 5	4 46	7 10	4 43	7 11	5 4	16 23	11 56 30
6	Mon.	47	7	44	11	42	12	6 4	16 40	56 26
7	Tues.	45	8	43	12	40	13	7 4	16 56	56 22
8	Wed.	43	9	42	13	39	14	8 4	17 13	56 18
9	Thu.	42	10	40	15	38	16	9 4	17 29	56 15
10	Fri.	41	11	39	14	37	17	10 4	17 44	56 13
11	Sat.	40	12	38	15	36	18	11 4	18 0	56 11
12	F.	4 39	7 13	4 37	7 16	4 34	7 19	12 4	18 18	11 56 10
13	Mon.	37	15	36	17	33	20	13 4	18 30	56 10
14	Tues.	36	16	34	18	32	21	14 4	18 44	56 11
15	Wed.	35	17	32	19	31	22	15 4	18 58	56 12
16	Thu.	34	18	31	20	30	24	16 4	19 12	56 13
17	Fri.	33	19	30	21	29	25	17 4	19 26	56 16
18	Sat.	32	20	29	22	28	26	18 4	19 39	56 18
19	F.	4 31	7 21	4 28	7 23	4 27	7 27	19 4	19 52	11 56 22
20	Mon.	30	22	27	24	26	28	20 4	20 4	56 25
21	Tues.	29	23	27	25	25	29	21 4	20 16	56 30
22	Wed.	28	24	26	26	24	30	22 4	20 28	56 35
23	Thu.	27	25	26	27	23	31	23 4	20 40	56 40
24	Fri.	27	27	25	28	22	32	24 4	20 51	56 46
25	Sat.	26	28	24	29	21	33	25 4	21 2	56 53
26	F.	4 25	7 29	4 24	7 30	4 20	7 34	26 4	21 12	11 56 09
27	Mon.	24	30	23	31	19	34	27 4	21 22	57 6
28	Tues.	23	31	23	32	19	35	28 4	21 32	57 14
29	Wed.	22	32	22	33	18	36	29 4	21 41	57 20
30	Thu.	21	33	21	34	18	37	0 8	21 50	57 26
31	Fri.	4 20	7 31	4 21	7 34	4 18	7 37	1 8	21 59	11 57 31

## CALENDAR, WEATHER ASPECTS, &amp;c.

D

- 1 St. Philip and St. James.
- 2 A splendid, fine day.
- 3 Moon in Apogee, 9 m.
- 4 Days beautiful, nights cool.
- 5 2nd Sunday after Easter.
- 6 The aspects are dubious, the weather is on the whole good this week, but we are looking for an unpleasant storm of wind and rain within these last three days.
- 7 3rd Sunday after Easter.
- 13 Changeable, but tends to settled spring weather.
- 14 Moon in Perigee, 7 ev.
- 16 Warm as summer.

D

- 17 Planting and sowing may be hastened, weather fine.
- 18 4th Sunday after Easter.
- 20 A genuine May day, and 21 these days preceding the 22 24th are all fine and 23 provocation of farms and 24 HER MAJESTY'S BIRTHDAY.
- 25 Garden industry.
- 26 Rogation Sunday.
- 27 26th St. Augustine.
- 28 A fine breezy day
- 29 30th Moon in Apogee, 6 ev.
- 30 ASCENSION DAY.
- 31 A day of pleasantness.



1889.]

MEMORANDUM FOR MAY.

15

Wednesday.

London.

h. m.  
1 18 ev.  
1 18 ev.  
1 29 mo.  
1 11 55 ev.

a.  
Sun on  
Meridian.

h. m. s.  
11 56 54  
56 47  
56 41  
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11 56 30  
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11 57 31

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16 *[Handwritten scribble]*

17 *[Handwritten scribble]*

18 *[Handwritten scribble]*

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20 *[Handwritten scribble]*

21 *[Handwritten scribble]*

22 *[Handwritten scribble]*

23 *[Handwritten scribble]*

24 *[Handwritten scribble]*

25 *[Handwritten scribble]*

26 *[Handwritten scribble]*

27 *[Handwritten scribble]*

28 *[Handwritten scribble]*

29 *[Handwritten scribble]*

30 *[Handwritten scribble]*

31 *[Handwritten scribble]*

6th Month.

JUNE, 30 Days.

Begins on Saturday.

Moon's Phases.		Halifax.	Quebec.	Montreal.	Ottawa.	Toronto.	London.
	D.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
First Quarter.....	6	3 47 mo.	3 17 mo.	3 07 mo.	2 59 mo.	2 45 mo.	2 37 mo.
Full Moon.....	12	9 44 ev.	9 14 ev.	9 04 ev.	8 56 ev.	2 42 ev.	2 34 ev.
Last Quarter.....	19	3 21 ev.	2 51 ev.	2 41 ev.	2 33 ev.	2 19 ev.	2 11 ev.
New Moon.....	27	4 39 ev.	4 09 ev.	3 59 ev.	3 51 ev.	3 37 ev.	3 29 ev.

DAYS.		Montreal, Q.		Toronto, O.		Halifax, N.S.		The Dominion.		
M	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Moon's Age Noon.	Sun's Declina. North.	Sun on Meridian.
1	Sat.	h. m. 4 20	h. m. 7 31	h. m. 4 21	h. m. 7 35	h. m. 4 17	h. m. 7 38	D. fr. 2 8	D. m. 22 7	h. m. s. 11 57 40
2	Sun.	4 20	7 36	4 20	7 35	4 17	7 38	3 8	22 15	11 57 49
3	Mon.	19	37	20	36	17	39	4 8	22 22	57 39
4	Tues.	19	37	19	36	16	40	5 8	22 29	58 10
5	Wed.	18	38	19	37	16	41	6 8	22 36	58 26
6	Thur.	18	38	18	38	15	42	7 8	22 42	58 31
7	Fri.	17	39	18	39	15	43	8 8	22 48	58 42
8	Sat.	17	40	18	40	14	43	9 8	22 53	58 54
9	Sun.	4 17	7 40	4 18	7 40	4 14	7 44	10 8	22 58	11 59 06
10	Mon.	17	41	18	41	14	45	11 8	23 3	59 18
11	Tues.	17	42	17	42	14	45	12 8	23 7	59 30
12	Wed.	16	42	17	42	14	46	13 8	23 11	59 42
13	Thur.	16	43	17	42	14	46	14 8	23 14	11 59 55
14	Fri.	16	43	17	43	13	47	15 8	23 17	12 0 7
15	Sat.	16	44	17	43	13	47	16 8	23 20	0 20
16	Sun.	4 16	7 44	4 17	7 44	4 13	7 47	17 8	23 22	12 0 33
17	Mon.	16	44	17	44	14	47	18 8	23 24	0 46
18	Tues.	16	45	18	44	14	47	19 8	23 25	0 69
19	Wed.	16	46	18	44	14	48	20 8	23 26	1 12
20	Thur.	16	46	18	44	14	48	21 8	23 27	1 25
21	Fri.	16	46	18	44	14	48	22 8	23 27	1 38
22	Sat.	16	47	18	44	14	49	23 8	23 26	1 50
23	Sun.	4 17	7 47	4 18	7 44	4 15	7 49	24 8	23 26	12 2 3
24	Mon.	17	47	19	45	15	49	25 8	23 24	2 16
25	Tues.	18	47	19	45	15	49	26 8	23 23	2 28
26	Wed.	18	47	19	45	16	49	27 8	23 21	2 41
27	Thur.	18	46	20	45	16	49	28 8	23 19	2 53
28	Fri.	19	46	20	45	17	49	0 1	23 16	3 5
29	Sat.	19	46	21	45	17	49	1 1	23 13	3 17
30	Sun.	4 20	7 46	4 22	7 45	4 18	7 49	2 1	23 9	12 3 29

## CALENDAR, WEATHER ASPECTS, &amp;c.

D

- 1 Rather cool for the season.
- 2 Sunday after Ascension Day.
- 3 All the planetary motions
- 4 indicate changes of a somewhat
- 5 peculiar character, but the
- 6 general tendency is toward
- 7 a violent storm of wind
- 8 and rain, some hail.
- 9 WEDNESDAY.
- 10 A superior fine day.
- 11 St. Barnabas.
- 12 Exceedingly warm.
- 13 Moon in Perigee, 4m.
- 14 St. Basil the Great.
- 15 Rain but not continued.

S TRINITY SUNDAY.

- 17 St. Albans, Martyr.
- 18 A warm, calm day.
- 19 A calm, warm day.
- 20 CORPUS CHRISTI.
- 21 Weather reasonable and
- 22 we have bright days.
- 23 1st Sunday after Trinity.
- 24 St. John the Baptist.
- 25 Breezy, threatening storm.
- 26 Moon in Apogee, 9ev.
- 27 Quiet and agreeable day.
- 28 Harvest prospects good.
- 29 St. Peter and St. Paul.
- 30 2nd Sunday after Trinity.

Saturday.

1889.]

MEMORANDUM FOR JUNE.

17

London.

h. m.  
2 37 mo.  
2 34 ev.  
2 11 ev.  
3 29 ev.

on.

Sun on  
Meridian.

h. m. s.  
11 57 40

11 57 49  
57 39  
58 10  
58 26  
58 31  
58 42  
58 54

11 59 06

59 18  
59 30  
59 42  
11 59 55

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1 38  
1 50

12 2 3

2 16  
2 28  
2 41  
2 53  
3 5  
3 17

12 3 29

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 2 *on horse*  
 3 *on horse*  
 4 *at*  
 5 *at*  
 6 *at*  
 7 *at*  
 8 *at*  
 9 *at*  
 10 *of took colt away*  
 11  
 12  
 13 *at*  
 14 *at*  
 15 *at*  
 16 *at*  
 17  
 18 *at*  
 19 *at*  
 20 *at*  
 21 *at*  
 22 *in feet*  
 23  
 24  
 25 *less squirrel*  
 26  
 27  
 28  
 29  
 30  
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Moon's Phases.		Halifax.	Quebec.	Montreal.	Ottawa.	Toronto.	London.
First Quarter.....	D. 5	h. m. 1 44 ev.	h. m. 1 14 ev.	h. m. 1 04 ev.	h. m. 0 56 ev.	h. m. 0 42 ev.	h. m. 0 34 ev.
Full Moon .....	12	4 47 mo.	4 17 mo.	4 07 mo.	3 59 mo.	3 45 mo.	3 37 mo.
Last Quarter.....	19	3 30 mo.	3 00 mo.	2 50 mo.	2 42 mo.	2 28 mo.	2 20 mo.
New Moon.....	27	7 46 mo.	7 16 mo.	7 06 mo.	6 58 mo.	6 44 mo.	6 36 mo.

M	DAYS.	Montreal, Q.		Toronto, O.		Halifax, N.S.		The Dominion.		
		Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Moon's Age Noon.	Sun's Declina. North.	Sun on Meridian
	Week.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	D. fr.	D. m.	h. m. s.
1	Mon.	4 20	7 46	4 21	7 45	4 18	7 49	3 1	23 5	12 3 41
2	Tues.	21	46	22	45	18	49	4 1	22 5	3 52
3	Wed.	22	46	23	45	19	49	5 1	22 56	4 3
4	Thur.	23	45	24	45	20	49	6 1	22 51	4 14
5	Fri.	23	45	24	45	21	48	7 1	22 45	4 24
6	Sat.	21	44	25	44	22	48	8 1	22 39	4 34
7	F.	4 25	7 44	4 26	7 44	4 23	7 47	9 1	22 23	12 4 44
8	Mon.	26	44	27	44	24	47	10 1	22 26	4 53
9	Tues.	28	43	27	44	25	47	11 1	22 19	5 2
10	Wed.	27	43	28	43	26	46	12 1	22 11	6 10
11	Thur.	27	43	29	43	27	45	13 1	22 3	6 18
12	Fri.	28	42	30	42	28	45	14 1	21 55	5 26
13	Sat.	28	41	31	41	29	44	15 1	21 46	5 33
14	F.	4 29	7 41	4 32	7 40	4 29	7 43	16 1	21 37	12 5 40
15	Mon.	30	41	33	39	30	42	17 1	21 28	5 45
16	Tues.	31	40	34	39	31	41	18 1	21 18	5 51
17	Wed.	32	39	35	38	32	40	19 1	21 8	5 56
18	Thur.	33	38	36	37	33	39	20 1	20 57	6 00
19	Fri.	34	37	37	36	34	38	21 1	20 46	6 4
20	Sat.	35	36	38	35	35	38	22 1	20 35	6 7
21	F.	4 35	7 35	4 39	7 35	4 36	7 37	23 1	20 24	12 6 10
22	Mon.	37	34	40	34	37	36	24 1	20 12	6 12
23	Tues.	38	33	42	32	38	35	25 1	19 59	6 14
24	Wed.	39	32	43	32	39	34	26 1	19 47	6 15
25	Thur.	40	31	44	31	40	33	27 1	19 34	6 15
26	Fri.	41	29	45	30	41	32	28 1	19 21	6 15
27	Sat.	42	29	45	28	42	31	29 1	19 7	6 14
28	F.	4 42	7 28	4 46	7 27	4 43	7 30	0 5	18 55	12 6 13
29	Mon.	44	27	46	26	44	29	1 5	18 39	6 11
30	Tues.	46	25	47	25	45	28	2 5	18 25	6 9
31	Wed.	4 47	7 25	4 48	7 24	4 46	7 27	2 5	18 10	12 6 6

## CALENDAR, WEATHER ASPECTS, &amp;c.

D

- 1 DOMINION DAY.
- 2 Cloudy with local rains
- 3 down East, rather unsettled.
- 4 Moderate winds, but on
- 5 the whole fine, warm weather.
- 6 Temperature higher.
- 8 3rd Sunday after Trinity.
- 9 Exceedingly warm, indeed.
- 9 somewhat sultry, indicating
- 10 a thunderstorm abroad.
- 11 Moon in Perigee, 2v.
- 12 Continues warm and
- 13 no rain signs for to-day.
- 14 4th Sunday after Trinity.
- 15 St. Swethin's Day.
- 16 Rain yesterday and to-day.

D

- 17 Winds have unpleasantly
- 18 prevailed, but not as violent
- 19 as those of last year.
- 20 Another hot day and dry.
- 21 5th Sunday after Trinity.
- 22 A pleasant day.
- 23 Thunder and lightning
- 24 Moon in Apogee, 4m
- 25 A quiet, warm day.
- 26 St. James the Apostle
- 27 St. Joseph Arimathea.
- 28 6th Sunday after Trinity.
- 29 Changeable and dull.
- 30 To-day fine and breezy.
- 31 A very fine, warm day.

Monday.

1889.]

MEMORANDUM FOR JULY.

19

London.

h. m. s.  
0 34 ev.  
3 37 mo.  
2 20 mo.  
6 36 mo.

on.  
Sun on  
Meridian

h. m. s.  
12 3 41  
3 52  
4 3  
4 14  
4 24  
4 34

12 4 44  
4 53  
5 2  
5 10  
5 18  
5 26  
5 33

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5 56  
6 00  
6 4  
6 7

12 6 10  
6 12  
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6 15  
6 14

12 6 13  
6 11  
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2 6 6

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- 2 *l*
- 3 *2*
- 4 *3*
- 5 *7*
- 6
- 7
- 8
- 9
- 10
- 11
- 12 *Brown*
- 13 *pink*
- 14
- 15
- 16 *Squirrel*
- 17 *A B C D E F G H*
- 18 *olly*
- 19 *A B C D E F G H*
- 20
- 21 *A B C D E F*
- 22
- 23
- 24
- 25 *red*
- 26
- 27
- 28
- 29
- 30
- 31

8th Month.

AUGUST, 31 Days.

Begins on Thursday.

Moon's Phases.		Halifax.	Quebec.	Montreal.	Ottawa.	Toronto.	London.
	D.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
First Quarter.....	3	5 12 ev.	8 42 ev.	8 32 ev.	8 20 ev.	8 10 ev.	8 02 ev.
Full Moon.....	10	0 28 ev.	11 58 mo.	11 48 mo.	11 36 mo.	11 26 mo.	11 28 mo.
Last Quarter.....	17	6 37 ev.	6 07 ev.	5 57 ev.	5 45 ev.	5 35 ev.	5 17 ev.
New Moon.....	25	9 46 ev.	9 16 ev.	9 06 ev.	8 54 ev.	8 44 ev.	8 36 ev.

DAYS.		Montreal, Q.		Toronto, O.		Halifax, N.S.		The Dominion.		
M	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Moon's Age Noon.	Sun's Declina. North.	Sun on Meridian.
		h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	D. fr.	D. m.	h. m. s.
1	Thur.	4 48	7 24	4 49	7 23	4 47	7 25	7 5	17 55	12 6 2
2	Fri.	50	22	50	22	48	23	6 5	17 39	5 50
3	Sat.	51	21	51	21	49	21	6 5	17 24	5 53
4	F.	4 52	7 20	4 52	7 20	4 51	7 20	7 6	17 8	12 5 48
5	Mon.	53	19	53	18	52	18	8 5	16 52	5 41
6	Tues.	55	17	54	17	53	17	9 5	16 35	5 35
7	Wed.	57	16	55	16	54	16	10 5	16 18	5 28
8	Thur.	58	14	56	15	55	15	11 5	16 1	5 2
9	Fri.	59	12	57	14	57	14	12 5	15 41	5 12
10	Sat.	01	11	58	11	58	12	13 5	15 26	5 2
11	F.	5 2	7 9	4 59	7 10	4 59	7 10	14 5	15 9	12 4 53
12	Mon.	3	8	5 1	7	5 00	9	15 5	14 51	4 43
13	Tues.	4	7	3	6	1	8	16 5	14 32	4 32
14	Wed.	5	5	4	5	3	6	17 5	14 14	4 21
15	Thur.	6	3	5	4	4	4	18 5	13 55	4 9
16	Fri.	7	2	6	3	5	3	19 5	13 36	3 57
17	Sat.	8	1	7	2	6	1	20 5	13 17	3 44
18	F.	5 9	6 59	5 8	7 1	5 7	6 59	21 5	12 53	12 3 31
19	Mon.	10	57	9	7 00	8	57	22 5	12 38	3 17
20	Tues.	11	55	10	6 53	10	55	23 5	12 18	3 2
21	Wed.	12	54	11	56	11	54	24 5	11 57	2 47
22	Thur.	13	52	12	54	12	52	25 5	11 38	2 32
23	Fri.	14	50	14	52	13	50	26 5	11 18	2 16
24	Sat.	16	48	15	50	14	49	27 5	10 57	2 00
25	F.	5 18	6 46	5 16	6 48	5 15	6 47	28 5	10 36	12 1 44
26	Mon.	19	44	17	46	17	45	29 5	10 16	1 27
27	Tues.	20	43	18	44	18	44	0 9	9 55	1 10
28	Wed.	21	41	19	42	19	42	1 9	9 33	0 52
29	Thur.	22	40	21	40	20	41	2 9	9 12	0 34
30	Fri.	23	38	22	38	21	39	3 9	8 51	0 16
31	Sat.	5 24	6 36	5 23	6 37	5 22	6 38	5 9	8 29	11 59 57

## CALENDAR, WEATHER ASPECTS, &amp;c.

- D
- 1 *Lammas Day.*
  - 2 Not excessively warm.
  - 3 Cool, healthy harvest breezes.
  - 4 *7th Sunday after Trinity.*
  - 5 Continues very pleasant
  - 6 Haying and harvesting
  - 7 may go ahead unharmed.
  - 8 *Moon in Perigee, 7 ev.*
  - 9 A very splendid day.
  - 10 *St. Lawrence's Day.*
  - 11 *8th Sunday after Trinity.*
  - 12 About these days there is
  - 13 certainty of change, and
  - 14 we expect considerable
  - 15 showery weather, and
  - 16 a violent windstorm,

- D
- 17 Change with warmth.
  - 18 *9th Sunday after Trinity.*
  - 19 A sunny, bright, calm day.
  - 20 *Moon in Apogee, 7 ev.*
  - 21 *St. Francis de Sales.*
  - 22 Good harvest day, but
  - 23 to-day unreliable.
  - 24 *St. Bartholomew.*
  - 25 *10th Sunday after Trinity.*
  - 26 Warm and sultry for the
  - 27 season, and we rather
  - 28 fear a disastrous storm
  - 29 *St. John the Baptist, Martyr.*
  - 30 Calm, warm, bright.
  - 31 Month ends benignantly,

Thursday.

1889.]

MEMORANDUM FOR AUGUST.

London.

h. m.  
 8 02 ev.  
 11 28 no.  
 8 17 ev.  
 8 36 ev.

Mon.

Sun on Meridian.

h. m. s.  
 12 6 2  
 5 50  
 5 53  
 .....  
 12 5 48  
 5 41  
 5 35  
 5 28  
 5 21  
 5 12  
 5 2  
 .....  
 12 4 53  
 4 43  
 4 32  
 4 21  
 4 9  
 3 57  
 3 44  
 .....  
 12 3 31  
 3 17  
 3 2  
 2 47  
 2 32  
 2 16  
 2 00  
 .....  
 12 1 44  
 1 27  
 1 10  
 0 52  
 0 34  
 0 16  
 11 59 57

1 ABCDEFGH  
 2 ABCDEFGH  
 3 ABCDEFGH  
 4 ABCDEFGH  
 5 ABCDEFGH  
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 7 ABCDEFGH  
 8 ABCDEFGH  
 9 ABCDEFGH  
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 13 ABCDEFGH  
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 15 ABCDEFGH  
 16 ABCDEFGH  
 17 ABCDEFGH  
 18 ABCDEFGH  
 19 ABCDEFGH  
 20 ABCDEFGH  
 21 ABCDEFGH  
 22 ABCDEFGH  
 23 ABCDEFGH  
 24 ABCDEFGH  
 25 ABCDEFGH  
 26 ABCDEFGH  
 27 ABCDEFGH  
 28 ABCDEFGH  
 29 ABCDEFGH  
 30 ABCDEFGH  
 31 ABCDEFGH

Moon's Phases,		Halifax.	Quebec.	Montreal.	Ottawa.	Toronto.	London.
	D.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
First Quarter.....	2	3 29 mo.	2 50 mo.	2 40 mo.	2 32 mo.	2 18 mo.	2 10 mo.
Full Moon.....	8	9 38 ev.	9 08 ev.	8 58 ev.	8 51 ev.	8 36 ev.	8 28 ev.
Last Quarter.....	16	0 34 ev.	0 04 ev.	11 54 ev.	11 46 ev.	11 32 ev.	11 24 ev.
New Moon.....	24	10 27 mo.	9 57 mo.	9 47 mo.	9 39 mo.	9 25 mo.	9 17 mo.

DAYS.		Montreal, Q.		Toronto, O.		Halifax, N.S.		The Dominion.		
M	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Moon's Age Noon.	Sun's Declina. North.	Sun on Meridian.
		h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	D. fr.	D. m.	h. m. s.
1	F.	5 26	6 31	5 23	6 35	5 22	6 36	5 9	8 07	11 59 39
2	Mon.	28	32	24	31	23	6 31	6 9	7 45	59 29
3	Tues.	29	30	26	32	25	5 31	7 9	7 23	50 00
4	Wed.	30	28	27	31	26	5 31	8 9	7 01	58 41
5	Thur.	31	27	28	29	28	5 29	9 9	6 39	58 21
6	Fri.	32	24	29	27	29	5 27	10 9	6 16	58 1
7	Sat.	33	23	30	26	30	5 25	11 9	5 54	57 41
8	F.	5 33	6 21	5 31	6 24	5 31	6 21	12 9	5 31	11 57 20
9	Mon.	56	19	32	22	32	5 22	13 9	5 09	59 00
10	Tues.	57	17	33	20	34	5 20	14 9	4 46	56 39
11	Wed.	59	16	34	18	35	5 18	15 9	4 23	53 18
12	Thur.	59	14	36	16	36	5 16	16 9	4 00	55 57
13	Fri.	40	12	37	14	37	5 14	17 9	3 37	55 36
14	Sat.	42	10	38	12	39	5 12	18 9	3 14	55 15
15	F.	5 43	6 7	5 39	6 10	5 40	6 10	19 9	2 51	11 54 56
16	Mon.	44	6	40	8	41	6 20	20 9	2 28	54 32
17	Tues.	45	4	42	6	42	6 21	21 9	2 05	54 11
18	Wed.	46	2	43	5	44	4 22	9	1 41	53 50
19	Thur.	48	6 06	45	3	45	2 23	9	1 18	53 29
20	Fri.	49	5 57	46	1	46	6 00	24 9	55	53 7
21	Sat.	50	56	47	5 59	47	5 59	25 9	31	52 46
22	F.	5 51	5 54	5 48	5 57	5 48	5 57	26 9	N. 0 8	11 52 25
23	Mon.	52	52	49	55	49	56	27 9	S. 0 11	52 5
24	Tues.	54	50	51	53	51	54	28 9	0 38	51 44
25	Wed.	55	48	52	51	52	52	0 4	1 1	51 23
26	Thur.	56	46	53	49	53	50	1 4	1 25	51 3
27	Fri.	57	45	54	47	54	48	2 4	1 48	50 43
28	Sat.	59	43	55	46	55	46	3 4	2 11	50 23
29	F.	6 00	5 40	5 56	5 44	5 56	5 44	4 4	2 35	11 50 4
30	Mon.	6 2	5 38	5 57	5 43	5 57	5 42	5 4	2 58	11 49 44

## CALENDAR, WEATHER ASPECTS, &amp;c.

D

- S 11th Sunday after Trinity.  
 2 1st, *St Giles Day*.  
 3 The planetary motions would  
 4 indicate great fluctuations in  
 5 *Moon in Perigee*, 2ev.  
 6 the temperature. Chilly and  
 7 humid atmosphere.  
 S 12th Sunday after Trinity.  
 9 8th *Nativity of Virgin Mary*,  
 10 Clear, cool, fine, seasonable  
 11 A pleasant day, and cool.  
 12 Much warmer for these days,  
 13 and we look for rains and  
 14 unsettled atmosphere.  
 S 13th Sunday after Trinity.

D

- 16 A pleasant day.  
 17 *Moon in Apogee*, 1 ev.  
 18 Cloudy and threatens rain.  
 19 Rain it does, and yet not  
 20 constant. Rather cool.  
 21 A nice, fine day.  
 S 14th Sunday after Trinity.  
 23 22 *St. Matthew's Day*.  
 24 Much uncertainty in the  
 25 aspects, but we are looking  
 26 for a storm of wind and  
 27 rain. In fact these last  
 28 days are rather rough.  
 S 15th Sunday after Trinity.  
 30 29th *MICHAELMAS DAY*.



on Sunday.

1889.]

MEMORANDUM FOR SEPTEMBER.

23

to London.	
h. m.	
no.	2 10 mo.
v.	8 28 ev.
v.	11 24 ev.
no.	9 17 mo.

inlon.	
Sun on Meridian.	
h. m. s.	

11	59	39
	59	29
	59	09
	58	41
	58	21
	58	1
	57	41
11	57	20
	59	00
	56	39
	56	18
	55	57
	55	36
	55	15
11	54	56
	54	32
	54	11
	53	50
	53	29
	53	7
	52	46
11	52	25
	52	5
	51	44
	51	23
	51	3
	50	43
	50	23
11	50	4
	49	44

1 \* B D E I G C H  
 2  
 3 A B G F E G C H  
 4  
 5  
 6 A B G F E G C H  
 7  
 8  
 9 \* B G F G C H  
 10  
 11 A B G E G C H  
 12  
 13 A B G F H C H  
 14  
 15 A B G E E  
 16  
 17 A B  
 18 A B G D F C H  
 19  
 20 A B G D E I G C H  
 21  
 22 A B D E F C H  
 23  
 24 A B D F C G H  
 25  
 26 A B D F C G H  
 27  
 28 A B G F F G E H  
 29  
 30 A B G D E I G C H  
 31

10th Month.

OCTOBER, 31 Days.

Begins on Tuesday.

Moon's Phases.		Halifax.	Quebec.	Montreal.	Ottawa.	Toronto.	London.
	D.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
First Quarter.....	1	9 19 mo.	8 49 mo.	8 39 mo.	8 31 mo.	8 17 mo.	8 09 mo.
Full Moon.....	8	9 11 mo.	8 41 mo.	8 31 mo.	8 23 mo.	8 09 mo.	8 01 mo.
Last Quarter.....	16	8 12 mo.	7 42 mo.	7 32 mo.	7 24 mo.	7 10 mo.	7 02 mo.
New Moon.....	23	10 11 ev.	9 11 ev.	9 01 ev.	8 53 ev.	8 39 ev.	8 31 ev.
First Quarter.....	30	4 16 ev.	3 43 ev.	3 33 ev.	3 25 ev.	3 11 ev.	3 03 ev.

DAYS.		Montreal, Q.		Toronto, O.		Halifax, N.S.		The Dominion.		
M	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Moon's Age Noon.	Sun's Declina. South.	Sun on Meridian.
		h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	D. fr.	D. m.	h. m. s.
1	Tues.	6 8	5 37	5 58	5 41	5 58	5 40	6 4	3 21	11 49 25
2	Wed.	4	35	59	39	6 00	39	7 4	3 45	49 7
3	Thur.	5	34	6 00	38	1	37	8 4	4 8	48 48
4	Fri.	7	31	1	36	2	35	9 4	4 31	48 30
5	Sat.	8	30	2	35	3	33	10 4	4 54	48 13
6	F.	6 9	5 27	6 3	5 33	6 4	5 31	11 4	5 17	11 47 56
7	Mon.	11	25	5	31	5	29	12 4	5 40	47 39
8	Tues.	12	24	7	29	6	27	13 4	6 3	47 22
9	Wed.	12	21	8	27	8	25	14 4	6 26	47 6
10	Thur.	14	20	10	25	9	24	15 4	6 49	46 51
11	Fri.	15	19	11	23	11	22	16 4	7 11	46 36
12	Sat.	16	17	12	21	12	21	17 4	7 34	46 22
13	F.	6 18	5 14	6 13	5 19	6 13	5 19	18 4	7 56	11 46 7
14	Mon.	20	12	14	18	14	17	19 4	8 19	45 54
15	Tues.	21	9	15	16	15	15	20 4	8 41	45 40
16	Wed.	23	7	16	15	17	13	21 4	9 3	45 28
17	Thur.	24	5	17	14	18	11	22 4	9 25	45 16
18	Fri.	25	4	18	13	20	9	23 4	9 47	45 5
19	Sat.	26	2	20	11	22	8	24 4	10 9	44 54
20	F.	6 28	5 1	6 21	5 9	6 23	5 7	25 4	10 30	11 44 45
21	Mon.	29	4 59	23	7	24	5	26 4	10 52	44 35
22	Tues.	31	57	24	5	25	4	27 4	11 13	44 26
23	Wed.	32	55	25	3	26	2	28 4	11 34	44 18
24	Thur.	33	53	26	1	28	5 60	29 4	11 55	44 11
25	Fri.	35	52	28	5 00	29	4 58	0 9	12 18	44 5
26	Sat.	36	50	30	4 58	30	57	1 9	12 36	43 59
27	S.	6 38	4 49	6 31	4 56	6 31	4 55	2 9	12 55	11 43 54
28	Mon.	39	47	33	55	33	54	3 9	13 17	43 50
29	Tues.	41	46	34	54	34	52	4 9	13 37	43 46
30	Wed.	42	46	35	53	36	51	5 9	13 56	43 43
31	S.	6 43	4 45	6 36	4 2	6 37	4 50	6 9	14 16	11 43 42

## CALENDAR, WEATHER ASPECTS, &amp;c.

- D  
 1 Moon in Perigee, 4 mo.  
 2 October promises to be a  
 3 very pleasant and agreeable  
 4 month, with some changes.  
 5 To-day very fine.  
 6 16th Sunday after Trinity.  
 7 The nights are very cool,  
 8 and we shall have frost.  
 9 Not severely cold, but  
 10 yet clearly indicative of  
 11 what is called the fall season.  
 12 A sunny day, warm.  
 13 17th Sunday after Trinity.  
 14 Another very fine day.  
 15 Moon in Apogee, 9 m.  
 16 A bright, calm day.

- D  
 17 Much cooler but pleasant.  
 18 Some rain fall and  
 19 the days are rather dull.  
 20 18th Sunday after Trinity  
 21 Changeable, unsettled and  
 22 cold enough for snow.  
 23 In fact down East it  
 24 has snowed considerably.  
 25 St. Crispin's Day.  
 26 A cool, pleasant day.  
 27 19th Sunday after Trinity.  
 28 27th Moon in Perigee, 4 mo.  
 29 Weather unsteady and  
 30 there are blustering winds,  
 31 with occasional cool showers.

n Tuesday.

1880.]

MEMORANDUM FOR OCTOBER.

25

London.

h. m.  
8 09 mo.  
8 01 mo.  
7 02 mo.  
8 31 ev.  
9 03 ev.

ation.

Sun on Meridian.

h. m. s.  
11 49 25  
49 7  
48 48  
48 30  
48 13

11 47 56  
47 39  
47 22  
47 6  
46 51  
46 36  
46 22

11 46 7  
45 54  
45 40  
45 28  
45 16  
45 5  
44 54

11 44 45  
44 35  
44 26  
44 18  
44 11  
44 5  
43 59

11 43 54  
43 50  
43 46  
43 43  
11 43 12

1 A B C D E F G H  
2  
3 A B C D E F G H  
4  
5 A B C D E F G H  
6  
7 A B C D E F G H  
8  
9 A B C D E F G H  
10  
11 ~~A B C D E F G H~~  
12  
13 A B C D E F G H  
14 ~~A B C D E F G H~~  
15  
16  
17 ~~A B C D E F G H~~  
18  
19  
20  
21  
22  
23 A B C D E F G H  
24  
25 A B C D E F G H  
26  
27 A B C D E F G H  
28  
29  
30 A B C D E F G H  
31

8.

Moon's Phases.		Halifax.	Quebec.	Montreal.	Ottawa.	Toronto.	London.
Full Moon.....	D. 6	h. m. 11 51 ev.	h. m. 11 21 ev.	h. m. 11 11 ev.	h. m. 11 03 ev.	h. m. 10 49 ev.	h. m. 10 41 ev.
Last Quarter.....	15	4 21 mo.	3 51 mo.	3 41 mo.	3 33 mo.	3 19 mo.	3 11 mo.
New Moon.....	22	9 29 mo.	8 59 mo.	8 49 mo.	8 41 mo.	8 27 mo.	8 19 mo.
First Quarter.....	29	1 14 mo.	0 44 mo.	0 34 mo.	0 26 mo.	0 12 mo.	0 04 mo.

DAYS.		Montreal, Q.		Toronto, O.		Halifax, N.S.		The Dominion.		
M	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Moon's Age Noon.	Sun's Declina. South.	Sun on Meridian.
		h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	D. fr.	D. m.	h. m. s.
1	Fri.	6 44	4 44	6 37	4 50	6 39	4 49	8 9	14 54	11 43 41
2	Sat.	46	42	38	45	41	47			43 40
3	F.	6 48	4 40	6 39	4 48	6 43	4 46	9 9	15 13	11 43 41
4	Mon.	49	39	40	47	44	44	10 9	15 31	43 42
5	Tues.	51	37	42	46	43	43	11 9	15 50	43 45
6	Wed.	52	35	43	45	42	42	12 9	16 8	43 48
7	Thur.	54	34	44	44	41	41	13 9	16 25	43 52
8	Fri.	55	32	45	42	39	39	14 9	16 43	43 56
9	Sat.	56	31	47	41	38	38	15 9	17 0	44 2
10	F.	6 57	4 29	6 48	4 40	6 37	4 37	16 9	17 17	11 44 8
11	Mon.	58	29	49	39	36	36	17 9	17 33	44 15
12	Tues.	7 00	27	51	38	35	35	18 9	17 50	44 23
13	Wed.	1	26	52	37	34	34	19 9	18 6	44 32
14	Thur.	3	25	54	36	33	33	20 9	18 21	44 42
15	Fri.	5	24	55	35	32	32	21 9	18 37	44 52
16	Sat.	6	24	56	34	31	31	22 9	18 52	45 4
17	F.	7 7	4 23	6 57	4 33	4 30	4 30	23 9	19 6	11 45 16
18	Mon.	8	22	58	32	29	29	24 9	19 21	45 29
19	Tues.	11	21	7 00	31	28	28	25 9	19 35	45 43
20	Wed.	12	20	1	30	27	27	26 9	19 48	45 57
21	Thur.	13	19	2	29	27	27	27 9	20 2	46 13
22	Fri.	14	18	3	29	26	26	28 9	20 14	46 29
23	Sat.	16	18	5	28	26	26	0 4	20 27	46 46
24	F.	7 17	4 17	7 6	4 28	4 25	4 25	1 4	20 39	11 47 4
25	Mon.	18	16	7	27	25	25	2 4	20 51	47 23
26	Tues.	19	15	8	27	24	24	3 4	21 2	47 42
27	Wed.	21	15	10	26	24	24	4 4	21 13	48 2
28	Thur.	22	14	11	26	23	23	5 4	21 24	48 23
29	Fri.	23	14	12	25	23	23	6 4	21 34	48 45
30	Sat.	7 25	4 13	7 13	4 25	4 22	4 22	7 4	21 44	11 49 7

CALENDAR, WEATHER ASPECTS, &c.

- D
- 1 ALL SAINTS DAY.
  - 2 A cool yet sunny day.
  - 3 20th Sunday after Trinity.
  - 4 Very cool and somewhat
  - 5 disagreeable days are in
  - 6 prospect. But for the most
  - 7 part we anticipate no
  - 8 violent storm, only seasonal.
  - 9 Prince of Wales birthday.
  - 10 21st Sunday after Trinity.
  - 11 St. Martin's Day.
  - 12 Moon in Apogee, 5 m.
  - 13 A pleasant, fine day
  - 14 but there have been
  - 15 and will be frosty nights.

- D
- 16 Cloudy, cool, calm.
  - 17 22nd Sunday after Trinity.
  - 18 A considerable fall of
  - 19 snow has taken place.
  - 20 In the East it will remain.
  - 21 In the West will pass away.
  - 22 St. Cecilia's Day.
  - 23 St. Clement's Day.
  - 24 23rd Sunday after Trinity.
  - 25 24th Moon in Perigee, 3 m.
  - 26 Almost cold enough and
  - 27 sufficiently stormy to
  - 28 say winter has come,
  - 29 but not yet settled.
  - 30 St. Andrew's DAY.

n. Friday.

1880.]

MEMORANDUM FOR NOVEMBER.

27

London.

h. m.  
10 41 ev.  
3 11 mo.  
8 19 mo.  
0 04 mo.

noon.

Sun on Meridian.

h. m. s.  
11 43 41  
43 40

11 43 41  
43 42  
43 45  
43 48  
43 52  
43 56  
44 2

11 44 8  
44 15  
44 23  
44 32  
44 42  
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	Moon's Phases.		Halifax.	Quebec.	Montreal.	Ottawa.	Toronto.	London.
	B.		h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Full Moon.....	6	5 38 ev.	5 08 ev.	4 58 ev.	4 50 ev.	4 36 ev.	4 23 ev.	4 23 ev.
Last Quarter.....	14	10 44 ev.	10 14 ev.	10 04 ev.	9 56 ev.	9 42 ev.	9 34 ev.	9 34 ev.
New Moon.....	21	8 38 ev.	8 08 ev.	7 58 ev.	7 50 ev.	7 36 ev.	7 28 ev.	7 28 ev.
First Quarter.....	28	1 02 ev.	0 32 ev.	0 22 ev.	0 14 ev.	0 08 ev.	11 52 mo.	11 52 mo.

M	Week.	Montreal, Q.		Toronto, O.		Halifax, N.S.		The Dominion.		
		Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Moon's Age Noon.	Sun's Declina. South.	Sun on Meridian.
		h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	D. fr.	D. m.	h. m. a.
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2	Mon.	28	12	15	24	18	21	9 4	22 2	49 53
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7	Sat.	32	11	20	24	24	21	14 4	22 40	52 00
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9	Mon.	33	11	22	23	26	20	16 4	22 52	52 53
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13	Fri.	37	11	26	24	29	19	20 4	23 11	54 46
14	Sat.	38	11	26	24	30	19	21 4	23 15	55 14
15	F.	7 39	4 12	7 27	4 25	7 31	4 20	22 4	23 18	11 55 43
16	Mon.	39	12	28	25	31	20	23 4	23 21	56 12
17	Tues.	40	12	29	25	31	20	24 4	23 23	56 42
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19	Thur.	43	13	30	26	32	21	26 4	23 26	57 41
20	Fri.	42	13	31	27	32	22	27 4	23 26	58 11
21	Sat.	43	14	31	27	33	22	28 4	23 27	58 41
22	F.	7 43	4 15	7 32	4 28	7 34	4 23	29 4	23 27	11 59 11
23	Mon.	44	15	32	28	34	24	1 0	23 26	11 59 41
24	Tues.	44	16	33	29	35	24	2 0	23 25	12 00 11
25	Wed.	45	16	33	30	35	25	3 0	23 23	00 41
26	Thur.	45	17	33	31	35	26	4 0	23 21	1 10
27	Fri.	45	18	33	31	36	27	5 0	23 19	1 40
28	Sat.	45	18	33	32	36	27	6 0	23 16	2 10
29	F.	7 46	4 18	7 34	4 32	7 37	4 28	7 0	23 12	12 2 40
30	Mon.	47	19	34	33	37	29	8 0	23 8	3 18
31	Tues.	7 47	4 20	7 34	4 34	7 37	4 30	9 0	23 4	12 3 37

## CALENDAR, WEATHER ASPECTS, &amp;c

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| <p>D</p> <p>8 S ADVENT SUNDAY.</p> <p>2 Very much like real winter.</p> <p>3 Cold, windy, snowy but</p> <p>4 no extreme severity.</p> <p>5 Thermometer about zero.</p> <p>6 A cold, wintry day</p> <p>and yet seasonable.</p> <p>8 2nd Sunday in Advent.</p> <p>9 8th Immaculate Conception.</p> <p>10 9th Moon in Apogee, 8ev.</p> <p>11 Cloudy, the aspects are</p> <p>12 unfavorable for outdoor</p> <p>13 exercise. Wind cold.</p> <p>14 Snow is in prospect.</p> <p>8 3rd Sunday in Advent.</p> <p>16 Rather low temperature.</p> | <p>D</p> <p>17 Very cold yet bright day.</p> <p>18 An occultation of planets</p> <p>19 occasions atmospheric disturbances</p> <p>20 21st St. Thomas Day, therefore</p> <p>21 REMEMBER THE POOR.</p> <p>8 4th Sunday in Advent.</p> <p>23 22nd Moon in Perigee, 2ev.</p> <p>24 A very pleasant winter day.</p> <p>25 CHRISTMAS DAY.</p> <p>26 St Stephen's Day.</p> <p>27 Another cold snap.</p> <p>28 Holy Innocents Day.</p> <p>8 Sunday after Christmas.</p> <p>30 The month will end</p> <p>31 with stormy aspects.</p> |
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1889.]

MEMORANDUM FOR DECEMBER.

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## THE ROYAL FAMILY.

## THE QUEEN.

**VICTORIA**, of the United Kingdom of Great Britain and Ireland, &c., Queen, Defender of the Faith, Empress of India. Her Majesty was born at Kensington Palace, May 24, 1819; succeeded to the throne June 20, 1837, on the death of her uncle, King William IV.; was crowned June 28, 1838; and married February 10, 1840, to his late Royal Highness Prince Albert. Her Majesty is the only child of his late Royal Highness Edward Duke of Kent, son of King George III. The children of Her Majesty are:—

Her Royal Highness **Victoria-Adelaide-Mary-Louisa**, PRINCESS ROYAL OF ENGLAND AND GERMANY, born November 21, 1840, and married to his Imperial Highness Frederick William, Crown Prince of Germany, January 26, 1858.

His Royal Highness **ALBERT-EDWARD**, PRINCE OF WALES, born November 9, 1841; married March 10, 1863, Alexandra of Denmark (Princess of Wales), born December 1, 1844, and eldest daughter of the King of Denmark.

Her Royal Highness **Alice-Maude-Mary**, born April 25, 1843, married to H. R. H. Prince Frederick Louis of Hesse, July 1, 1862; died December 14, 1878.

His Royal Highness **Alfred-Ernest-Albert**, Duke of Edinburgh, Earl of Kent and Earl of Ulster, born August 6, 1844; married to the Grand Duchess Marie Alexandrowna of Russia.

Her Royal Highness **Helena-Augusta-Victoria**, born May 25, 1846; married July 5, 1866, Prince Frederick Christian of Schleswig-Holstein.

Her Royal Highness **Louisa-Carolina-Alberta**, born March 18, 1848; married March 23, 1871, to the Marquis of Lorne, late Governor-General of Canada.

His Royal Highness **Arthur-William-Patrick-Albert**, K. G., Duke of Connaught, born May 6, 1850; married March 13, 1879, to Her Royal Highness Princess Louisa-Margaret of Prussia.

His Royal Highness **Leopold-George-Duncan Albert**, Duke of Albany, born April 7, 1853; married April 27, 1882, to H. R. H. Princess Helena of Waldeck; died 28 March, 1884.

Her Royal Highness **Beatrice-Mary-Victoria-Feodora**, born April 14, 1857; married July 23, 1885, to Prince Henry of Battenberg.

**JANUARY.**—The advice given in these pages is very cheap, and that is sometimes given as a reason for paying little attention to it. We hope this is not the case as relates to the farmer having a place for everything and all things in their proper place. Especially is this necessary in a country like ours, where distracting storms disturb many things indoors and out. Even some well-to-do farmers loose much time, patience and money by carelessness in the matter under consideration.

The *Ploughman* tells the story of a farmer who started with poor prospects, but he kept an orderly tool house, and each child or employee was strictly charged to see to it without fail that a tool when used was properly cleaned and restored to its place. He was an indulgent father, and the children feared but one thing, the displacing of any tool, which would certainly incur the father's displeasure. This habit had good results. It saved time, it saved money, and raised the value of the farm. "Order is heaven's first law."



[1889.

# DOMINION OF CANADA.

*Seat of Government, Ottawa.*

## GOVERNOR GENERAL AND STAFF.

*Governor General.*—His Excellency the Most Honourable Sir FREDERICK ARTHUR STANLEY, Baron Stanley, of Preston, in the County of Lancaster; in the Peerage of Great Britain, Knight Grand Cross of the Most Honourable Order of the Bath; Governor General of Canada, and Vice-Admiral of the same, etc., etc., etc.

### STAFF.

Captain Josaline F. Bagot, *Governor General's Secretary and Military Secretary*; Lieutenant A. H. McMahon, Grenadier Guards, *Aide-de-Camp. Extra Aide-de-Camp*, Lieutenant-Colonel H. R. Smith, and Capt. Russell Stevenson, Montreal.

DEPUTY GOVERNOR, (*for signing Letters Patent, &c.*)

[ J. J. McGee, *Clerk of the Privy Council.*

### GOVERNOR GENERAL'S SECRETARY'S OFFICE.

Captain Josaline F. Bagot, *Governor General's Secretary*; Charles J. Jones, *Chief Clerk*; William Campbell and Charles L. Lawrence, *Clerks*; George Smith, *Messenger*; Sergeant Clerk, *Orderly.*

### BOARD OF CIVIL SERVICE EXAMINERS.

John Thorburn, L. L. D., *Chairman*; A. D. Decelles, Peter LeFleur, *Secretary.*

### LIEUTENANT GOVERNORS.

Their Honors the Hon. Sir Alex. Campbell, K. C. M. G., Ontario; Hon. Auguste Real Angers, Quebec; Hon. A. W. McLellan, Nova Scotia; Hon. Sir Samuel Leonard Tilley, C.B., C.K.M.G., New Brunswick; Hon. Andrew A. Macdonald, Prince Edward Island, Hon. J. E. Schultz, Manitoba; Hon. Joseph Royal, North West Territories; Hon. Hugh Nelson, British Columbia.

FEBRUARY.—A word to the wise about *canned goods*, meats or fruits. When we read the other day an alarming statement about a family being poisoned by eating canned salmon, we were sceptical about the alleged fact. It turns out on investigation, that it was not the canned salmon that killed the folks, but it was the spoiled salmon which had remained in the can forty-eight hours, exposed to a hot sun and a humid atmosphere. As at this season, a good deal of canned fruit is used, we observe that as soon as a can is opened, whatever it contains, the whole contents should be put into a dish, and the can thrown away. What is not eaten at the time of opening should be put into an ice box, or cool place. As to fish, it is never well to keep the contents more than twenty-four hours. Canned goods ought not to be denounced as injurious, when with good common sense in the household they are of great value and utility.

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COMMANDING HER MAJESTY'S FORCES IN BRITISH NORTH  
AMERICA.

Lieut. General Lord A. G. Russell, C.B.

GENERAL OFFICER COMMANDING MILITIA OF CANADA.

Major General Sir Frederick Dobson Middleton, C.B.

PRIVY COUNCIL.

Premier and President of the Council, Right Hon. Sir John A. MacDonald, P.C., G.C.B.; Minister of Finance, Hon. G. E. Foster; Minister of Railways and Canals, Hon. J. Henry Pope; Minister of Public Works, Sir Hector Langevin; Minister of Agriculture, Hon. John Carling; Minister of Militia, Hon. René Adolphe Caron; Minister of Inland Revenue, Hon. John Costigan; Minister of Marine, Hon. G. H. Tupper; Postmaster General, Hon. John Haggart; Secretary of State, Hon. J. A. Chapleau; Minister of Customs, Hon. McKenzie Bowell; Minister of the Interior, Hon. Thomas White; without Portfolio, Hon. Frank Smith; Minister of Justice, J. L. D. Thompson.

Supreme and Exchequer Courts of Canada: Hon. Sir Wm. J. Ritchie, Kt. Chief Justice; Hon. Samuel H. Strong, J.; Hon. Telesphore Fournier, J.; Hon. Henri Elzéar Taschereau, J.; Hon. John Wellington Gwynne, J.; Hon. Robert Cassels, Registrar.

CABINET MINISTERS OF THE DOMINION OF CANADA.

SEAT OF GOVERNMENT.—OTTAWA.

The Right Honourable Sir JOHN ALEXANDER MACDONALD, P.C., G.C.B., Premier, President of the Privy Council.

The Honourable John Haggart, Postmaster General.

The Honourable Sir Hector Louis Langevin, C.B., K.C.M.G., Minister of Public Works.

The Honourable John Henry Pope, Minister of Railways and Canals.

The Honourable MacKenzie Bowell, Minister of Customs.

The Honourable Sir Adolphe P. Caron, K.C.M.G., Minister of Militia and Defence.

The Honourable G. E. Foster, Minister of Finance.

The Honourable John Carling, Minister of Agriculture and Statistics.

The Honourable John Costigan, Minister of Inland Revenue.

The Honourable Frank Smith (*without portfolio*.)

The Honourable Joseph Adolphe Chapleau, Secretary of State.

The Honourable Edgar Dewdney, Minister of the Interior, and Superintendent-General of Main Affairs.

The Honourable John Sparrow David Thompson, Minister of Justice.

The Honourable George Enlas Foster, Minister of Marine and Fisheries.

The Honourable J. J. C. Abbott, Leader of the Senate.

MARCH.—As spring approaches there are many matters demanding attention, one is the careful management of stock. The substance of a good deal we have read or observed follows:—

A little neglect at this season may result in such an enfeebled condition, as will take more than half the summer to restore an animal to its normal strength and activity. Therefore the best of invigorating food should be provided and in sufficient quantity. Sometimes, in the spring, food is restricted through fear of deficient supply, or perhaps feed of an inferior quality is served. Very little thought is required to show the bad results which must follow such proceedings. Nothing can be more disastrous to the best interests of farmers. Animals should be treated much as we treat ourselves. If any profit is to be derived from the keeping of animals, it can only come by careful attention and liberal feeding. The ox and the ass have considerable respect for the master's crib.

## PROVINCE OF QUEBEC.

*Seat of Government, QUEBEC.*

### LIEUTENANT GOVERNOR:

The Honorable Auguste Real Angers (*appointed October, 1887.*)  
*Private Secretary, (not known here.) Aide-de-Camp. (not known here.)*

### EXECUTIVE COUNCIL.

The Honorable H. Mercier, Premier and Attorney General.  
 " J. Sheyn, Provincial Treasurer.  
 " B. Garneau, Commissioner of Crown Lands.  
 " C. A. E. Gagnon, Provincial Secretary.  
 " \_\_\_\_\_, Commissioner of Agriculture and Public Works.  
 Not on record here.  
 " G. Duhamel, Solicitor General.  
*Clerk of the Executive Council—G. Grenier.*

## PROVINCE OF ONTARIO.

*Seat of Government—TORONTO.*

### LIEUTENANT GOVERNOR:

The Honorable Sir Alex. Campbell.  
*Private Secretary, H. E. H. Vernan.*  
*Official Secretary, Commander Law, R.N.R.*

### EXECUTIVE COUNCIL.

The Honorable Oliver Mowat, Q. C., Premier and Attorney General.  
 " T. B. Pardee, Q. C., Commissioner of Crown Lands.  
 " C. F. Fraser, Q. C., Commissioner of Public Works.  
 " A. S. Hardy, Q. C., Provincial Secretary.  
 " Alexander M. Ross, Provincial Treasurer.  
 " George William Ross, Minister of Education.  
*Clerk of Executive Council—E. F. B. Johnston.*

APRIL.—Another word or two about spring feeding. It has been well said "from hay to grass" is a critical period with old or young cattle, and especially with the young stock, which are most subject to the prevalent diseases of the spring. To avoid any ill effects from the sudden change of food, cows and calves should be turned out for a short time only, at first, and the time should be gradually extended until full pasturage will be safe. An excellent safeguard against the common black-leg of young cattle at this season is to give salt freely, and every morning to give each calf one tablespoonful of a mixture of sulphur and cream of tartar in equal parts with molasses. We recommend, also, that the card be freely used to remove the loose hair and scurfy matter which gather on the skin, and impede its excretory action. Cattle that are soiled will get green rye the first. It is safest to cut this along with the hay, and feed equal parts for a few days; gradually lessening the hay,

## PROVINCE OF NOVA SCOTIA.

*Seat of Government—HALIFAX.*

## LIEUTENANT GOVERNOR:

The Honorable A. W. McLellan (*appointed 4th July, 1888*).  
*Private Secretary, and Aide-de-Camp, Lieut.-Col. H. W. Clerke, N.S.M.*  
*Aide-de-Camp, Lieut.-Col. C. J. Stewart, N.S.M.*

## EXECUTIVE COUNCIL.

The Honorable William S. Fielding, Premier and Provincial Secretary.  
 " J. Wilberforce Longley, Attorney General.  
 " Charles E. Church, Commissioner of Public Works and Mines  
 " John McLeod, } *Without office.*  
 " Thomas Johnston, }  
 " Angus Macgillivray, }  
 " Daniel McNeil, }

*Clerk of the Executive Council—Hon. Charles E. Church.*

## PROVINCE OF NEW BRUNSWICK.

*Population (1881), 321,233.*  
*Seat of Government—FREDERICTON.*

## LIEUTENANT GOVERNOR:

The Honorable Sir Samuel Leonard Tilley, C.B., K.C.M.G. (*appointed 31st October, 1885, second term*).  
*Aide-de-Camp, Major William Dunlop Gordon.*  
*Extra Aide-de-Camp, Lt.-Col. John Russell Armstrong.*

## EXECUTIVE COUNCIL.

The Honorable Andrew G. Blair, Premier and Attorney General.  
 " David McLellan, Provincial Secretary.  
 " James Mitchell, Surveyor General.  
 " P. G. Ryan, Chief Commissioner of Public Works.  
 " Robert J. Ritchie, Solicitor-General.  
 " Archibald Harrison, } *Without Office.*  
 " Gains S. Turner, }

*Clerk of the Executive Council—F. A. H. Straton.*

MAY.—There is so much actual profit in the proper management of fowls and the care of young chickens, that we are disposed to say a word on the subject. Notwithstanding all that has been said, it is a fact as a general rule that the first day chicks need nothing but the quiet and warmth of the mother fowl. Milk is a perfect diet for fowls as well as calves, and if coarse ground meal be mixed with scalded milk, it will be as safe food as can be offered. Some green vegetables should be added after three or four days, and should be continued, while the hen is confined to the coop. Fresh grass, cut up fine, or cabbage, or onion tops, will meet their cravings, and keep them thrifty. The young broods need to be fed five times a day at equal intervals, and in such quantities as they will eat up clean. They should have a feeding board at each coop. The feeding board should be cleaned before each meal,

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## PROVINCE OF PRINCE EDWARD ISLAND.

*Seat of Government—CHARLOTTETOWN.*

## LIEUTENANT GOVERNOR :

The Honorable Andrew Archibald Macdonald (*appointed 1st August, 1884*).*Private Secretary, Aeneas A. Macdonald.**Aids-de-Camp, Major James D. Irving.*

## EXECUTIVE COUNCIL.

The Honorable William W. Sullivan, President and Attorney General.

" Donald Ferguson, Provincial Secretary-Treasurer.

" G. W. Bentley, Commissioner of Public Works.

" Joseph O. Arsenault,

" John Lefurgy,

" Archibald J. Macdonald, } *Without Office.*

" Neil McLeod,

" Samuel Prouse,

*Clerk of the Executive Council—Robert F. DeBlois.*

JUNE.—Continuing the very important topic of the proper management of fowls, we observe it is not any wonder that so many young chickens die. It is rather a wonder that so many live, considering the generally careless and hazardous way of treatment. Mark well—that filthy or fermented food is not good for either man or beast or bird. Staple food for chickens we have mentioned before, but after a few weeks cracked corn, wheat, oats, barley, or buckwheat may be fed once or twice a day. A shallow vessel for fresh, clean water should be near each coop, for the hen, at least from the start.

The *Country Gentleman* gives good advice on this subject and says: "One person should have the care of the hens and chickens for three months at least and should be held responsible for all the details of management but the head of the establishment should know that the subordinate is faithful to duty.

CANDIED ORANGE PEEL.—Put the thick skins of oranges or lemons in salt and water for a few days; then take them out and boil in fresh water till so soft that the head of a pin can easily be put in. Drain and put them aside. Boil one pound of lump sugar in a breakfast cupful of water for five minutes (or more in quantity in proportion), and pour it over the peel. Let all stand for a week; then put the syrup in a saucepan; just let it come to a boil and put in the peel; let all boil gently until the peel looks clear, then lift it out, spread on a dish to cool, and powder with sifted sugar, leave until dry, and put away in glass tumblers that have tin tops.

IRON RUST STAINS may be removed by the use of lemon juice and salt, or with oxalic acid. Moisten the stain with a solution of oxalic acid, lay in the sun, and when the stain is out, rinse thoroughly. The acid should not come in contact with any abraded surface of the hands, and should be labeled *Poison*.

## PROVINCE OF BRITISH COLUMBIA.

*Seat of Government—VICTORIA.*

### LIEUTENANT GOVERNOR:

The Honorable Hugh Nelson.  
*Private Secretary, H. Stanton.*

### EXECUTIVE COUNCIL.

- The Honorable Alex. E. B. Davie, Premier, and Attorney General.  
 " John Robson, Provincial Secretary, Minister of Mines, and *Clerk of Executive Council.*  
 " J. H. Turner, Minister of Finance and Agriculture.

### SPEAKER OF THE HOUSE OF ASSEMBLY:

The Honorable C. E. Pooley.  
*Clerk of the Legislative Assembly—Thornton Fell.*

## PROVINCE OF MANITOBA.

*Seat of Government—WINNIPEG.*

### LIEUTENANT GOVERNOR:

The Honourable John C. Schultz (*appointed 1888*).  
*Secretary and Aide-de-Camp, Walter Thomas Kirby, G.G.F.G'ds.*

### EXECUTIVE COUNCIL.

- The Hon. Thomas Greenway, Premier Provincial Treasurer.  
 " Corydon Parflov Brown, Minister of Public Works.  
 " Alphonse Alfred Clément LaRivière, Minister of Agriculture, Statistics and Health.  
 " C. P. Brown, Provincial Secretary.  
 Charles E. Hamilton, Attorney General.  
*Clerk of the Executive Council—Charles A. Sadleir.*

JULY.—It is not a fact that diphtheria and typhoid, etc., are confined in their dangerous course to large cities or centres of population. In rural districts many victims to these diseases are found. We have read of them with sorrow. Observe, then, that the poison of diphtheria, being as a general rule transmitted through the air, it is inhaled, and commits its ravages in the respiratory tract, the nostrils, fauces, larynx, trachea, and bronchial tubes. Its relations then to sanitation are very close, whatever is a source of impurity in the air we breathe renders us liable to disease by depressing the vital forces and weakening the normal resisting power of the individual cells. Diphtheria once established can be propagated by close proximity to the patient, by his breath, by kissing, by the bed-clothes or articles used about the person. Contaminated water, infected milk, sewer air, all manner of dust and dirt, are germ carriers. Hence it follows, that perfect cleanliness, with thorough disinfections of all suspected places or things, is our only safe reliance against diphtheria. The thousands who read our Almanac ought to thank us for these valuable hints.

NORTH-WEST TERRITORIES OF CANADA.

Seat of Government—REGINA.

LIEUTENANT GOVERNOR:

The Honourable Joseph Royal, Regina (appointed 1888).  
Indian Commissioner, Hayter Reed, Regina.  
Assistant Indian Commissioner, Amedée Forget, Regina.

NEWFOUNDLAND.

Seat of Government—ST. JOHN'S.

Governor, Commander-in-Chief and Vice-Admiral—Sir George W. DesVœux,  
K.C.M.G.  
Premier—Hon. Robert Thorburn.  
Population (1881), including Labrador, 197,332.

AUGUST.—We do not know to what extent the *apple-tree borer* commits its ravages in the fruit-growing parts of Canada. It may not, however, be amiss to give a receipt for its destruction, for which we are indebted to the *Country Gentleman*, thus:—The apple-tree borer may be prevented from entering the trees by the use of alkaline washes. Soft soap reduced to the consistency of thick paint, by the addition of washing soda, applied to the bark of the tree late in May or early in June, and again in July, will dry in a few hours on a warm day, and will exclude the insect more or less from laying its eggs. A similar effect will be produced by making a mound of fresh manure around the base of the stem, eight or ten inches high, or even of earth, but if done later in the season these preventive remedies will be of little use after the eggs are deposited in the bark. After the insects have obtained possession, and their presence is shewn by sawdust like castings, clear their openings with the point of a knife, and punch them to death with a flexible wire or a small slender twig. After some experience an active hand will go over hundreds in a day.

BUCKWHEAT CAKE.—With milk, buckwheat flour, yeast, and salt make a batter when it is light add a table-spoonful of sugar or molasses to a quart of batter, and fry on a hot griddle. Part water may be used to make the batter, but if some milk is not used the cakes will not brown nicely.

ROLLED JELLY CAKE.—Two cups sugar, two cups flour, five eggs, one teaspoonful baking powder sifted with the flour. Bake in four jelly pans. Have ready for each a cloth a little larger than the cake thickly sprinkled with powdered sugar, on which turn the cake while hot. Spread with jelly, and beginning to one end roll up, pushing it with the cloth, which may be wrapped around the roll to preserve the moisture of the cake.

RICE.—In selecting rice one can be sure that it contains no animal life by the following test: Take a handful and pour it from one hand to the other. If it leaves no flour on the hand it is good. If it leaves flour on the hands further search will show that this flour is the result of presences not originating in the vegetable world.

Clerk

Statistics

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## RATES OF POSTAGES.

LETTERS ADDRESSED FROM OR TO PLACES IN CANADA AND UNITED STATES.—3 cents per  $\frac{1}{2}$  ounce.

CITY OR DROP LETTERS FOR THE CITY DELIVERY.—1 cent per  $\frac{1}{2}$  ounce.

Postage rates must in every case be prepaid by postage stamp. When posted wholly unpaid they cannot be forwarded, but will be sent to the Dead Letter Office. Unsufficiently paid letters, on which one full rate of postage is paid, will be forwarded charged with double the deficient postage, except letters to the United States.

### POST CARDS.

Post Cards are issued at one cent each, and may be sent to any address in Canada, Newfoundland, or United States. Post bands can be obtained at the rate of \$1.25 per hundred. Post Cards are also issued at two cents each for transmission to the United Kingdom and European countries.

### MATTERS WHICH CANNOT BE FORWARDED THROUGH THE POST.

Any explosive substance, glass, with the exception of spectacles or eye-glasses liquid or other matter likely to entail risk or injury to the ordinary contents of the Mail, will be sent to the Dead Letter Office, Ottawa.

Letters containing gold or silver money, jewels or precious articles, or anything liable to Customs duties, cannot be forwarded by Post to any of the Postal Union countries.

SEPTEMBER.—The most extraordinary statements are being made from time to time of the agricultural productions of the Great North-West, both as to their qualities and quantities. One might even suggest that instead of sending these products away to England and elsewhere for consumption, the surplus population might as well come over and settle down in these territories, so that we might have a large population as well as large productions. But these consumers would also become producers, and the surplus would be increased. All right. We propose to supply the wants of all nations and people. Very foolish idea, you say—down with monopolies. Very good, but perhaps it will be seen that we have a notion that vast unproductive portions of the Eastern provinces are now neglected, and we are again anxious to guard against neglect of the East by the remarkable advertising statements about the West.

RAISED DOUGHNUTS.—Cream half acup of butter, to this add two cups of sugar and mix well together. Add a cup of good, strong yeast and a pint of warm, sweet milk, then add a quart of flour, a half tea-spoonful of grated nutmeg, a pinch of allspice, a tea-spoonful of cinnamon, and a tea-spoonful of salt. Of these make a soft dough, adding more milk if necessary. When thoroughly light stir in three eggs, the whites and yolks beaten separately, and a pint of flour or less to make the dough of the right consistency. Fry in hot fat.

SAVORY OMELET.—Cold fowl, veal or veal kidney are the best ingredients for this excellent dish. Whichever you select must be chopped very fine, with an equal quantity of lean ham, add one shallot and a sprig of parsley, chopped fine and a pinch each of pepper and salt mix the yolk of four eggs and a teaspoonful of flour in half a teacupful of milk, beat up the whites of the eggs separately to a stiff snow, pour the yolk mixture slowly into the beaten whites, and mix them thoroughly well together, then pour the mixture into the frying pan containing a small quantity of boiling hot butter or lard. As soon as the eggs begin to fry, add the prepared meat, and with a fork stir and mix them together. Five minutes will be sufficient to cook it. Serve on a hot dish.



## REGISTERED LETTERS.

Letters intended to be registered, when addressed to places in Canada or Newfoundland, must be prepaid by stamp, 2 cents each; to the United States 5 cents each, in addition to the postage rate.

All classes of matter can be registered to the United States.

All letters for Registration should be posted 15 minutes before the hour of closing ordinary Mails, and 30 minutes before closing of English Mails.

Registered letter stamps have been issued to the denominations of 2, 5 and 8 cents, which may be obtained at the usual places.

It is to be clearly understood that Registration does not make the Postmaster General responsible for the contents of a letter if lost or stolen.

## NEWSPAPERS AND PERIODICALS.

*Newspapers and Periodicals Addressed to places in Canada, Newfoundland, or United States.*

Printed and published in Canada, and posted from the office of publication or News Agency, to actual subscribers or news agents (including exchanges) are delivered free. Such periodicals must be issued not less frequently than once per month. Newspapers for England will be sent to subscribers at the same rate.

## TRANSIENT NEWSPAPERS AND PERIODICALS ADDRESSED TO PLACES IN CANADA, NEWFOUNDLAND AND UNITED STATES.

On all newspapers and periodicals other than those from the office of publication, including all newspapers and periodicals published less frequently than once a month, the postage rate is one cent per 4 ounces in weight, which must be prepaid by postage stamp.

Newspapers and periodicals weighing less than one ounce may be posted singly; if prepaid by postage stamp, one half cent each.

Newspapers from office of publication posted for City Delivery are not delivered by Letter Carrier unless prepaid by stamp of one  $\frac{1}{2}$  cent each.

Newspapers and periodicals published in the United Kingdom, and reposted by news agents to regular subscribers, are not liable to any additional postage.

## PARCEL POST RATES WITHIN THE DOMINION.

The rates to be prepaid by postage stamp, on parcels posted in Canada for destinations within the Dominion to which parcels can be sent are as follows:—

For each parcel weighing not more than 4 ozs..... 6 cents.

For do exceeding 4 ozs., and not exceeding 8 ozs .....12 cents.

For each additional 4 ozs., or fraction thereof..... 6 cents.

Parcels intended to pass through the Mails should not exceed 5 pounds in weight or 24 inches in length or 12 inches in breadth, and should be marked "by parcel post." Parcels may be registered by affixing a five cent Registered Letter Stamp thereto in addition to the postage.

## BRITISH COLUMBIA AND MANITOBA.

Except to the City of Winnipeg no parcel can be forwarded to the above via United States which exceeds in weight the limits of 2 pounds 3 ounces.

To the City of Winnipeg parcels will be taken up to 5 pounds.

OCTOBER.—We don't know whether the folks over the other side have more practical knowledge of the business of transplanting trees than we have in this country, but the *London Garden* gives us, gratis, this advice. First, the ground should be well broken up; secondly, the hole for receiving the tree should be partly filled with fine mellow soil, on which the roots are to be spread and pressed, which is much better than placing them on a hard bottom. Every root should be carefully extended in all directions, and the soil then filled in—over the bottom roots first, and over the upper ones afterwards. If ample roots have been secured when the tree was taken up, no staking is required, but when the external bracing is necessary, it is to be done with three galvanized wires fixed to a collar at a convenient height, and the other ends to stakes driven into the ground at a proper distance from the tree. Wire appears better than stakes, and is cheaper in the end. Tar cord may be used instead of wire, and by many is greatly preferred.

## TRANSMISSION OF SPECTACLES AND EYE-GLASSES BY MAIL.

The exclusion of glass from the mails is so far modified that spectacles, eye-glasses, and microscopic slides, if securely put up in cases not likely to allow the contents to escape, if broken in course of conveyance, may be sent by Post within the Dominion on pre-payment of parcel post rates.

## CIRCULARS PRINTED BY THE ELECTRIC PEN, &amp;c.

The term "*printed circulars*" is extended to include circulars produced by the electric pen or other mechanical process, easy of recognition, by the officers of the Post office, as well as when printed by the ordinary process of printing types, engraving, or lithography.

## MISCELLANEOUS POSTAL MATTER.

Books and pamphlets, limits 5 pounds, printed circulars, prices current, hand-bills, book and newspaper manuscript, printers' proofs, maps and prints, engraving, sheet music, photographs, insurance policies, militia and school returns, seeds, cuttings, bulbs, roots, legal papers, for Canada, Newfoundland, the United States, may be posted pre-paid by a stamp at 1c. per 4 oz., provided they be sent in covers open at the ends or sides, and so put up as to admit of the contents being, if necessary, easily withdrawn for examination; if enclosed with written communications, or in sealed envelopes notched at the ends or sides, letter rates will be charged.

The weight of packages of seeds, cuttings, bulbs, roots, scions, or grafts, 4 lbs., and all other miscellaneous matters are limited to 4 lbs. in weight, 24 inches in length, and 12 inches in breadth or depth. To all parts of British Columbia, the North West and Manitoba, except the city of Winnipeg, to which the 4 pound limit applies, the limit of weight is 2 pounds 3 oz.

Post bands, with an impressed one cent stamp for this purpose, may be obtained at any Stamp Agency at the rate of 4 for 5 cents.

NOVEMBER.—Some people think the world is getting worse and not better all the time. With these we do not agree, but it does appear that the vegetable world is becoming more and more infested by new varieties of enemies to growth and perfection. In many places we hear that *ants* have multiplied and done mischief. This is an old enemy, and not altogether an enemy. They feed mostly on animal matter, catching grubs, beetles, moths, and other kinds of insects, and if you will watch them closely any spring-time, you will probably find a small army of ants occasionally dragging away a cut worm, after it has gorged itself on a cabbage or on a tomato plant. It is, therefore, a doubtful matter as to slaying them. If they become too numerous they can be destroyed by pouring boiling water into their nests, or you may employ poisons in a liquid form. Cyanide of potassium, dissolved in water, carbolic acid, sulphuric acid, creosote, in fact, almost any caustic solution will destroy them, if indeed they must be destroyed.

TEA BISCUITS.—One quart sweet milk, one small teacup of butter, one small teacup of sugar one gill of good yeast, flour to make a sponge. Mix over night. When light stir in flour till the dough is of the proper consistency; press the knuckles firmly into the middle of the dough till they reach the bottom of the bowl, and when it rises to a uniform oval it is ready to be worked over into biscuit. Knead twice, and when light the third time, bake in a quick oven about twenty minutes.

LADY FINGERS.—Mix six yolks of eggs with half a pound of powdered sugar, work the preparation with a spoon until it is frothy, then mix into it the whites of six eggs well beaten, and at the same time a quarter of a pound of flour, dried and sifted. Put this batter into a *meringue* bag, and squeeze it through in strips, two or three inches long, and sprinkle over some fine sugar, bake in a slack oven twelve or fourteen minutes.—*Practical Cooking and Dinner Giving.*

A MERINGUE BAG is made of tightly woven twilled cloth and is tapered toward the bottom, in which is inserted a little tin tube one-third of an inch in diameter at the smaller end, through which the *meringue* is squeezed. The tube is also tapering and may be an inch-and-a-half in its largest diameter and two inches long.

## PATTERN AND SAMPLE POST.

## CANADA.

Patterns and samples of merchandise, not exceeding 24 ounces in weight, when posted in Canada for places within Canada, must be prepaid by postage stamp at the rate of one cent per four ounces weight, and put up in such manner as to admit of inspection. Goods sent in an execution of an order, however small the quantity may be, or articles sent by one private individual to another, not being actually Trade Patterns or Samples, are not admissible as such.

## UNITED STATES.

Patterns and samples of merchandise posted for places in the United States will continue to be subject to the special rate of ten cents each, prepaid by postage stamp, and must not exceed 8 ounces in weight.

## BEAR THIS IN MIND.

Register all valuable letters, and use sealing wax for letters containing money.

Transmit money by money orders.

Make complaints and inquiries in writing.

Preserve, and request correspondents to preserve, envelopes of missent or delayed letters.

Send to the Postmaster envelopes of letters about which you seek information or make complaint.

Business men should be careful to authorise but a limited number of persons to receive their letters, and only those in whom they have full confidence.

**DECEMBER.**—Before this time *Bees* should have been properly taken care of for the winter. By some they are carefully packed outside, by others they are wintered in cellars. Whether in cellars or chaff bives, they should remain in their winter quarters until settled warm weather comes in, which may be late in April or perhaps not before the middle of May. This matter of transfer is very important. Bees may be in the best possible condition, but if exposed outside too early and caught in cold naps, dwindling will be almost sure to follow. Bees, when wintered in cellars are much worse in this respect than those packed outside. In replacing bees upon their summer stands from the cellar, a fine day should be chosen, and but few colonies set out at once. These should be allowed to take a flight before setting out others, as too many flying together become as we should say confused. Neglect of such simple laws as we have indicated has occasioned great loss to amateur keepers of the useful bee.

**HOME MADE BROWN BREAD.**—The New England way, two cups of Indian meal, three cups of rye meal, one cup of molasses, one teaspoonful of salt. If sour milk can be had mix with it, using sufficient soda to make the milk foam. Mix soft, so soft that it will nearly pour. If no milk is obtainable, before sifting the meal (which should be sifted together), put in a teaspoonful and a half of soda, and three teaspoonful of cream tartar. If raised bread be prepared, mix the night beforehand by using a cup of yeast. Set in a warm place and cook in the dish in which it is raised, as changing spoils the bread. Steam three hours. To bake, put in an earthen or stone pudding pot, cover with a plate, and bake an hour—if the fire is slow; if hot, three quarters is sufficient. The flour is much better baked than steamed.

**WAFFER BISCUIT.**—Rub a piece of butter the size of a large hickory-nut into a pint of sifted flour, sprinkle over a little salt. Mix this into a stiff smooth paste using therefor the white of an egg beaten to a froth and some warm milk. Beat the paste with a rolling-pin half-an hour or longer, the more the dough is beaten the better are the biscuit. Form the dough into little balls about the size of a pigeon's egg, then roll each of them to the size of a saucer. They should be mere wafers in thickness. Sprinkle a little flour over tins, put on the biscuits and bake. These are nice for an invalid and very palatable for any body.—*Mrs Henderson's "Diet for the Sick."*

## COURTS OF JUSTICE.

## THE SUPREME AND EXCHEQUER COURTS OF CANADA.

38 VICTORIA, O.A.P. 11.

Hon. Sir W. J. Ritchie, Knt., Chief Justice.

Hon. S. H. Strong,

Hon. Telephore Fournier,

Hon. J. W. Gwynne,

Hon. H. E. Taschereau,

} Puisné Judges.

Robert Cassels, Q.C., Registrar;

George Duval, Reporter; C. H. Masters, Assistant Reporter;

Walter J. Thicke, Clerk;

James Lawson, Francis Curran, Ushers.

The Supreme Court, for the purpose of hearing and determining Appeals, holds annually, at the City of Ottawa, three sessions, commencing:—3rd Tuesday in February, 1st Tuesday in May, 4th Tuesday in October.

The Exchequer Court of Canada (Hon. G. W. Burbidge, judge; L. A. Audette, registrar; Chas. Morse, acting registrar; John MacDonald, clerk; Francis Curran, usher), sits every Monday at noon, excepting during vacation.

MONTREAL.—From 15th to the 27th days of January, March, May, September and November, these days inclusive.

By the 22nd sec. of chap. 77 of the Consolidated Statutes for Lower Canada, Cases in Appeal or Error, from the Districts of Ottawa, Montreal, Terrebonne, Joliette, Richelieu, St. Francis, Bedford, St. Hyacinthe, Iberville and Beauharnois shall be heard and determined at the City of Montreal *only*, and the Writs in such cases shall be returnable there; and cases in Appeal or Error from the Districts of Three Rivers, Quebec, Saguenay, Gaspé, Chicoutimi, Rimouski, Kamouraska, Montmagny, Beauce and Arthabaska, shall be heard and determined at the City of Quebec *only*, and the Writs of such cases shall be determined there.

## COURT OF QUEEN'S BENCH.

## CROWN SIDE.

Quebec, 10th April and 10th October. Montreal, 1st March, 1st June, 1st September and 2nd November. Three Rivers, 23rd March and 23rd September. Sherbrooke, 1st March and 1st October. Kamouraska, 23rd March and 18th December. Aylmer, 10th June and 10th December. Perce, 13th February and 7th October. New Carlisle, 13th January and 13th September. Arthabaskaville, 19th February and 19th October. Beauce, 20th June and 20th October. Montmagny, 26th March and 25th October. Joliette, 15th January and 2nd July. Richelieu, 20th January and June. Sorel, 20th January and 16th June. Chicoutimi, 2nd June and 15th January. Sweetsburg, 20th March and September. Rimouski, 23rd March and 23rd October. Malbaie, 5th February and 22nd June. Beauharnois, 1st March and 1st October. St. Hyacinthe, 15th January and 15th June. St. Scholastique, 7th January and 2nd July. Iberville, 11th March and 11th October.

OTTAWA.—Ottawa and Pontiac, held at Aylmer, from 14th to 20th January and September, 20th to 24th April, and 20th to 26th November. A. Driscoll, prothonotary.

TERREBONNE.—Argenteuil, Two Mountains and Terrebonne, held at St. Scholastique, from 20th to 25th January, March, June and October. Chas. de Montigny, prothonotary; C. Rousfle, sheriff.

JOLIETTE.—Joliette, L'Assomption and Montcalm, held at Joliette, from 10th to 19th January, March, May, September and November. Desrochers and Deslets; prothonotary; A. M. Rivard, sheriff.

**RICHELIEU.**—Richelieu, Yamaska and Berthier, held at Sorel, from 1st to 11th inclusively of February, March, April, May, June, October, November and December, and from 11th to 16th September. A. N. Gouin, prothonotary; A. D. DeGrandpré deputy; P. Guévremont, sheriff.

**ARTHABASKA.**—Megantic, Arthabaska and Drummond, held at Arthabaskaville from 18th to 21st of every month (except vacation). Barwis and Theroux, prothonotary; A. Quesnel, sheriff.

### SUPERIOR COURT.

Sir Andrew Stuart, Chief Justice.

Hon. F. G. Johnson, acting Chief Justice, Montreal.

#### PUISNE JUDGES.

Hon. L. N. Cassault, Hon. A. B. Routhier, Hon. M. Doherty, Hon. L. Belanger, Hon. H. W. Chagnon, Hon. M. A. Plamondon, Hon. J. B. Bourgeois, Hon. A. O. Paineau, Hon. L. B. Caron, Hon. L. A. Jette, Hon. H. T. Taschereau, Hon. Chs. Gill, Hon. A. B. Angers, Hon. M. Mathieu, Hon. E. Cimon, Hon. L. O. Loranger, Hon. E. T. Brooks, Hon. F. W. Andrews, Hon. H. C. Pelletier, Hon. J. E. Larue, Hon. J. A. Ouimet, Hon. J. S. C. Wurtele, Hon. M. M. Tait, Hon. C. P. Davidson.

**MONTREAL.**—Hochelaga, Jacques Cartier, Laval, Vaudreuil, Soulanges, Laprairie, Chambly, Verchères, and City of Montreal, held at Montreal, from 16th January to 20th April, 1st May to 30th June, and 1st September to 20th December. A. B. Longpré Prothonotary; John S. Honey, Clerk of the Superior Court sitting in review; S. H. Kernick, L. H. Collard, F. Belanger, J. B. Valley, E. Demarais, D. Gareau, S. D. Gareau, L. Lorgeau, and Jos. Desrosiers, Deputy Prothonotaries; Wm. Bruce, Accountant; Hon. P. J. O. Chauveau, sheriff; Vilbon and Dubreuil, deputy sheriffs.

**QUEBEC.**—Portneuf, Quebec, Montmorency, Lévis, Lotbinière, Parish Beaumont in the County of Bellechase, and the City of Quebec, held at Quebec on the five first juridical days following the 15th of each month, except July and August, no Court from 21st December to 16th January inclusively; in September no Court before 10th. Court of Review, four last juridical days of each month, except July, August and December. Fiset, Burroughs and Campbell, prothonotary; Ed. L. Burroughs, advocate, deputy, P. Malouin advocate, deputy; Hon. O. Alleyu and Hon. E. T. Paquet, joint sheriffs, and J. B. Amyot, deputy sheriff.

**THREE RIVERS.**—Maskinonge, St. Maurice, (including city of Three Rivers), Champlain and Nicolet, from 16th to 24th January, February, March, April, May, June, September, October, November and from 16th to 19th December. Alfred Disilets, prothonotary; C. Dumoulin, sheriff.

**ST. FRANCIS.**—City of Sherbrooke, Richmond and Wolfe, Compton and Staastead, held at Sherbrooke, on the four juridical days next following the fifth day of each month. Cabana and Rouen, prothonotary; John Short, deputy; P. Hackett, deputy; and C. A. Short, clerk.

**BEDFORD.**—Shefford, Missisquoi and Brome, held at Swetsburg, from 20th to 26th January, March, May, September and November, these days included. Hal, & Leopard, prothonotary; C. S. Cotton, sheriff.

**ST. HYACINTHE.**—Counties St. Hyacinthe, Bagot and Rouville, held at St. Hyacinthe, from 14th to 18th of February, April, June, October and December. Roy and Richer, prothonotary; L. S. Adam, sheriff.

**IBERVILLE.**—St. Johns, Napierville, and Ierville, held at St. Johns, from 15th to 23rd January, February, March, April, May, June, September, November and December, inclusively. F. J. H. Marchand, prothonotary; C. Noita, sheriff.

BEAUBARNOIS.—Huntingdon, Beauharnois and Chateauguay, held at Beauharnois, from 23rd to 28th February, May, September and December. P. C. Duranseau, C. R., prothonotary; Philemon Laberge, sheriff.

### CIRCUIT COURT.

#### MONTREAL DISTRICT.

Montreal District Circuit, held at Montreal every month, A. Cherrier, clerk; C. G. Hinsworth, J. Rte. Emond, J. B. Trudel, deputy clerk.

#### THREE RIVERS DISTRICT.

Three Rivers District Circuit, held at Three Rivers, 13th to 15th February, March, April, May, June, September, October, November. Alfred Desilata, clerk.

Nicolet County Circuit, held at Nicolet, 11th and 12th February, May and October. Arthur Rousseau, clerk.

#### St. FRANCIS DISTRICT.

St. Francis District Circuit Court, held at Sherbrooke on the four juridical days next following the eleventh day of each month. Cabana and Bowen, clerks.

Stanstead Circuit, held at Stanstead plains, 18th to 20th February, and June and 19th to 20th November. A. N. Thompson, clerk.

Stanstead County Circuit, held at Coaticook, 22nd to 24th February, June and November. Otis Shurtleff, clerk.

Compton County Circuit, held at Cookshire, 25th to 27th January, May, September. Edward S. Baker, clerk.

Richmond County Circuit, held at Richmond, 19th to 21st January, May, September. C. N. Desaulniers, clerk.

Richmond County Circuit, held at Danville, 22nd to 25th January, May and September. T. Leet, clerk.

Wolfe County Circuit, held at South Ham, 4th to 6th February, June and November. E. S. Darch, clerk.

#### OTTAWA DISTRICT.

Ottawa District Circuit, held at Alymer, 9th to 13th January, 15th to 19th April, 9th to 13th September, and 15th to 19th November, A. Driscoll, clerk.

Ottawa County Circuit, held in Hull, 26th to 30th January, 1st to 5th May, 27th September to 1st October, 28th November to 2nd December. H. A. Goyette, clerk.

The Circuit Court at the *Chief lieu* of a District has concurrent jurisdiction with the Circuit Court, in and for various Counties in the same district, in cases not over \$100: cases over \$100 at *chef lieu* are taken in the Superior Court.

The Circuit Court held in two or more places in a County has in each concurrent jurisdiction over the whole County.

Ottawa County Circuit held at Papineauville, 5th to 9th February, 11th to 15th May, and 6th to 10th October. F. S. Mackey, clerk.

Pontiac Circuit, held at Portage du Fort, 22th to 27th February, 28th May to 2nd June, 22nd to 26th October. G. J. Rimer, clerk.

Pontiac County Circuit, held at Chapeau Village, 28th February to 4th March, 3rd to 7th June, 27th to 31st October. N. Bessette, clerk.

#### TERREBONNE DISTRICT.

Terrebonne District Court, held at St. Scholastique, 14th to 15th January, March, June and October. Chas. de Montigny, clerk.

Terrebonne County Court, held at St. Jerome, 12th to 15th February, 10th to 13th June, 12th to 15th September, 2nd to 5th December. Louis Labelle, clerk.

Argenteuil County Court, held at Lachute, 8th May and 11th October. T. Barron, clerk.

#### JOLIETTE DISTRICT:

Joliette District Circuit, held at Joliette, from 10th to 15th February, April, June, October and December. Desrochers and Desilets, clerks.

L'Assomption County Court held at L'Assomption, from 1st to 4th March, June, September and December. J. Z. Martel, clerk.

#### RICHIEU DISTRICT.

Richelieu District Circuit Court, held at Sorel, from 13th to 15th of February, March, April, October, November, May. June and December from 17th to 19th September. A. N. Gouin, clerk; A. D. de Grandpre, deputy.

Yamaska County Circuit, held at St. Francois du Lac, 26th and 27th days of February, March, May, June, September and October. L. M. Blondin, clerk.

Berthier County Circuit, held at Berthier, from 11th to 13th of January, from 17th to 19th of February, March, May, June, October, November and on 20th and 21st of September. J. O. Chalut, clerk.

The Circuit Court at the *Chief lieu* of a District has concurrent jurisdiction with the Circuit Court in and for the various counties in the same District.

#### ARTHABASKA DISTRICT.

Arthabaska District Circuit held at Arthabaskaville, from 16th to 17th of every month (except vacation). Barwis and Theroux, clerks.

Drummond County Circuit, held at Drummondville, 24th to 25th January and June, and 9th to 10th April and October. J. T. Caya, clerk.

Megantic County Circuit, held at Inverness, 9th to 10th March and December, 24th to 25th September. J. B. Rousseau, clerk.

#### BEDFORD DISTRICT.

Bedford District Circuit, held at Sweetsburg, from 5th to 7th February, April, June and December, and from 7th to 9th October, these days inclusive. Hall and Leonard, clerks.

Missisquoi County Circuit, held at Farnham, from 15th to 17th January, April June and October. Pierre Beriau, clerk.

Missisquoi County Circuit, held at Bedford, from 10th to 12th February, May, September and December. John Gough, clerk.

Brome County Circuit, held at Knowlton, from 15th to 17th February, May, September and December. ———, clerk.

Shefford County Circuit, held at Waterloo, from 10th to 13th January, April, June and October. V. Nutting, clerk.

#### ST. HYACINTHE DISTRICT.

St. Hyacinthe Circuit Court, held at St. Hyacinthe, 1st to 6th February, March, April, May, June, October, November and December. Roy and Richer, clerks.

Rouville County Circuit, held at Marieville, 15th to 19th February, May and October. G. Bombadier, clerk.

#### IBERVILLE DISTRICT.

Iberville District Circuit, held at St. Johns, 11th to 14th February, April, June, October and December. Henry Marchand, clerk.

Iberville County Circuit, held at Iberville, 6th to 10th February, June and October. J. B. H. Beauregard, clerk.

Napierville County Court, held at Napierville, 1st to 5th February, June and October. A. Merizzi, clerk.

#### BEAUHARNOIS DISTRICT.

Beauharnois District Circuit, held at Beauharnois, 17th to 22nd February, May, September and December. P. C. Duranceau, C.R., clerk.

Chateauguay County Circuit, held at St. Martine, 1st to 4th February, May and September. C. M. Lebrun, clerk.

Huntingdon County Circuit, held at Huntingdon, 8th to 11th February, May and September. William Hassan, clerk.

#### COURT OF GENERAL SESSIONS OF THE PEACE.

C. A. DUGAS and M. C. DESNOYERS, Chairmen.

Wilfred Sicotte, Clerk of the Peace.

A. DeBeaumont, { Deputy Clerk of the Peace and Superintendent of Crown Witnesses.

Ed. McMahon, Deputy Clerk of the Peace.

C. R. Doucet, Deputy Clerk of the Peace; Allan Hamilton, Clerk.

#### COURT OF SPECIAL SESSIONS.

*Under the Statutes of Canada, 32 and 35 Vic., Chap. 35.*

C. A. Dugas, } Presiding Justices.  
M. C. Desnoyers, }

L. W. Sicotte, Clerk of the Peace—Crown Prosecutor.

Ed. McMahon, C. R. Doucet, and M. Lafontaine, deputy clerks.

#### COURT OF QUEEN'S BENCH, CROWN SIDE.

Terms held on 1st March, 1st June, 1st September and 2nd November, each year.

L. W. Sicotte, clerk of the Crown; Ed. McMahon, C. R. Doucet, Elie Lanthier, deputies; Allan Hamilton, U. Lafontaine and C. Berroir, clerks; W. Fraser, messenger.

#### USEFUL HOUSEHOLD HINTS.

**VARIATION ON THE FOREGOING.**—When the potato hash is made, put it in a greased pie dish; when half full sprinkle thickly with grated cheese, smooth the top, and grate cheese thickly over; brown in the oven.

**CREAM TOAST.**—Make cream as usual, only when you put the toast in the dish, grate a thick layer of cheese over each slice; stir a teaspoonful of grated cheese into the dressing, let it boil once and pour it over the toast, then set in the oven for five minutes.

**MINCED BEEF.**—Three pounds of raw beef chopped fine, five soda crackers rolled fine, two eggs well beaten, one-half teaspoonful of pepper, three slices of pork chopped, one-half cup of milk, and salt to taste. Mix all thoroughly, make into a loaf. Bake two hours. This should be sliced cold for tea or luncheon.

**POTATO HASH.**—One pound of potatoes boiled and chopped, one boiled onion also chopped, and a teaspoonful of finely chopped parsley; put these on the fire with half a pint of milk and a pinch of pepper; when it has stewed gently five



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minutes, beat two eggs, stir a tablespoonful of butter into the potatoes, and then add the eggs; stir gently till the whole looks like custard, then remove before the eggs curdle. This may now be put into the frying-pan or oven, and browned, or eaten white.

VERMICELLI SOUP.—Boil a teacupful of vermicelli in consommé, enough to cover it, not over twelve minutes, then add it to a quart of consommé.

EGG ROLLS.—Two cups of sweet milk, two eggs, one-fourth teaspoonful of salt, three and one-half cups of sifted flour, one teaspoonful of baking powder; bake in gem pans.

POTATOES WITH CREAM SAUCE.—Cut cold boiled potatoes into dice, place them in a baking pan, cover with cream sauce, sprinkle the top lightly with bread crumbs, and bake in a moderate oven about twenty minutes until brown.

OATMEAL GEMS.—Soak one cup of oatmeal overnight with one cup of water. In the morning sift together dry one cup of flour and two teaspoonfuls of baking powder, add a little salt, mix the oatmeal and flour together, wet with sweet milk to a stiff batter, drop into gem pans, and bake immediately.

POTATO PUFF.—Put two cups of cold mashed potatoes into a saucepan; add the yolks of two egg, a gill of cream, a tablespoonful of butter, salt and pepper to taste. Stir the whole over the fire until well mixed and hot, then add carefully the well-beaten whites of three eggs. Heap on a greased baking dish or in gem pans, and bake in a quick oven until a nice brown.

FRUIT PUDDING.—Six large apples pared and chopped, six large spoonfuls of grated bread crumbs, six tablespoonfuls of sugar, six of currants, six eggs, a wineglassful of wine, or dissolved jelly, a teaspoonful of extract of nutmeg, cinnamon and cloves, quarter of a pound of butter, and three tablespoonfuls of flour. Put in a pudding mould or small tin bucket, and boil three hours.

TO LIME EGGS.—To three gallons of water add one pint of lime and one-half pint of salt; put this brine in an earthen crock and place in the cellar. Put in the eggs; they will keep a year.

[If people will eat the flesh of the hog, so rigorously forbidden by the laws of Moses, perhaps the above way of cooking it gives as wholesome a dish as can be made of salt pork.—*Editor of Christian Advocate.*]

GRAHAM PUDDING.—One-half cup molasses, two eggs, one-half cup sweet milk, one cup raisins, one cup currants, one table-spoonful butter, two ounces citron, one tea-spoonful soda, one-and-one-half cups Graham flour. Steam two hours, and serve with sauce.

PASTE FOR WALL-PAPER.—Moisten common laundry starch with cold water to the consistency of paste, pour on boiling water until it is quite thin, stirring briskly till it is smooth, let it boil up once and remove from the fire. Dissolve a small piece of glue, half an ounce to a gallon of starch, dissolve it in boiling water and add it to the starch, just before removing it from the fire.

STRAWBERRY BLANC MANGE.—Stew nice ripe strawberries, strain off the juice and sweeten it to taste; place over the fire, and when it boils stir in corn starch wet in cold water, allowing two table-spoonfuls of corn-starch for each pint of juice; stir constantly until sufficiently cooked, pour into moulds wet in cold water, and set away to cool; serve with cream and sugar, and fresh strawberries if desired. This makes a very pretty and delicious dessert.

TO CAN STRAWBERRIES.—Select perfect fruit, just ripe, hull the berries and put them in glass cans, then set them in cold or lukewarm water in a kettle over the fire. When the water boils, fill the cans with boiling hot syrup, remove them from the fire and seal. The bottom of the kettle should have wooden strips for the cans to rest on.

BEEF SALAD.—Take half a pound of boiled fresh beef and cut it into small pieces; take the crisp leaves from two heads of lettuce, cleanse and put them in the salad-bowl; add the beef. To this add a tablespoonful of finely chopped Spanish pepper; pour over the whole a plain dressing, and mix lightly before serving.

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**LEG OF BEEF BROTH.**—Take a leg of beef, break the bone in several places, place it in a pan with a gallon of water, remove the scum as it rises, and add three blades of mace, a crust of bread, and a small pinch of parsley; boil till the beef is tender; toast some bread, cut it in diamonds, lay it in the bottom of the tureen, put the meat on it, and pour the broth over all.

**STEWED COD.**—Cut some of the finest pieces from the thickest part of the fish, place them in a stewpan with a lump of butter the size of a walnut, or larger, three or four blades of mace, bread crumbs, pepper, salt, a small bunch of sweet herbs, and some oysters, with a little of their own liquor. When nearly done, add a large wine-glass of sherry, and stew gently until enough.

**STRAWBERRY BAVARIAN CREAM.**—Dissolve a quarter of an ounce of gelatine in three or four tablespoonfuls of hot water, then add to it four ounces of powdered sugar, and put it through a sieve. Whip a pint of cream, and, when firm, put it on ice for a quarter of an hour. Press four ounces of strawberries through a sieve, which put in a bowl with your gelatine and sugar. When beginning to stiffen slightly, add the whipped cream, which remove from the bowl with a skimmer, so as to drain off all moisture. Mix all well together, and pour into a mould, which put on ice for about an hour, then turn out of the mould and serve.

**LETTUCE AND TOMATO SALAD.**—Select fresh, crisp lettuce, wash well and lay in cold water for half an hour. Shake the water from the lettuce and place on a platter. Slice in thin slices selected Florida tomatoes and lay them on the lettuce; place a piece of ice on top, and serve with Mayonnaise dressing.

**PRUNE DUMPLING.**—Soak half a pound of prunes for two or three hours. Boil them till nearly done, add sugar sufficient to sweeten them. Have plenty of syrup in them. Half an hour before the prunes are done make a nice biscuit dough, using suet or butter for shortening and baking-powder for raising, and put this in the boiling fruit syrup. Boil twenty or twenty-five minutes. Take up on a platter and serve hot.

**FRENCH ROLLS.**—One quart of flour, sifted with a teaspoonful of salt and a teaspoonful of sugar, two cups of milk, one-half cake of compressed yeast, two eggs, one tablespoonful of butter. Rub the butter into the flour, add the eggs, beaten light, and the milk. Add the yeast cake dissolved in three tablespoonfuls of warm water. Knead well five minutes. Let it rise over night, and in the morning mould into oval rolls. Place these in a pan just touching each other, and let rise again. Cut each across the top with a knife, and bake.

**NEW ENGLAND BAKED BEANS.**—One quart of beans, put on in cold water, and cooked until, by blowing the beans, the skin will curl. Pour off this water then. Six tea-spoonfuls of sugar—(if you prefer them to look red, a large spoon of molasses instead of sugar). A pound of pork, with a strip of lean and then fat. This is better than all fat. Fill with hot water, and cook from five to six hours—slowly. The water must not do away entirely, though they are better when done with a very little water left. As the water does away, cover until within an hour of taking them up. Let them bake steadily. The pot must be of earthen or earthen, with or without a cover. We always use a covered pot.

**CHARLOTTE RUSSE.**—The charlotte russe made after this recipe is undoubtedly one of the very best ever made. Bring a half a pint of milk almost to the boiling point, and then stir in the yolks of four eggs, previously well beaten, with three table-spoonfuls of sugar. Stir this carefully over the fire (in a double kettle), making a boiled custard. Care must be taken that it does not curdle or become too thick. Take it from the fire and add to it a quarter of a boxful of gelatine, previously soaked with enough milk to cover it in a cup, and dissolved by setting it at the side of the fire. Add when the custard is a little cooled vanilla to taste for flavoring. Set this custard on ice or in a cold place until partly congealed, and then stir into it evenly and carefully a quart of cream whipped to a stiff froth. Put a row of lady fingers around the sides of a glass dish, and pour over this the charlotte russe, or pour into paper cases lined with lady fingers.—*Mrs. Henderso's Diet for the Sick.*"

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