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*This is an Almanac. It has*

*at hand with you*

**R. & A. MILLER'S**

*of G. D. Emery's*  
**CANADIAN** *and the*  
*best*

**FARMER'S ALMANAC**

FOR THE YEAR OF OUR LORD

**1858,**



Being the second after Bisextile or Leap Year, and until 20th  
June, the Twenty-First Year of the Reign of Her Majesty  
Queen Victoria.

Calculated for the Meridian of Montreal, in Latitude  $45^{\circ} 30'$   
 $26''$  North, and Longitude  $73^{\circ} 24' 22''$  West, from the Royal  
Observatory, Greenwich, but arranged so as to serve without  
essential variation for all parts of Canada, East and West.

EDITION OF TWENTY THOUSAND.

MONTREAL:

PUBLISHED BY R. & A. MILLER,

60, ST. FRANCOIS XAVIER STREET.

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### Explanation of Calendar Pages.

The Publishers of this Almanac, with a view to increase its circulation and usefulness, have adapted its calculations for the whole country. The Moon's changes are given for four different places, viz; Montreal, Kingston, Toronto, and London. The rising and setting of the Sun are given for Montreal and Toronto. The Sun's declination North or South is given as usual, and the Moon's place on the Zodiac. The rising and setting of the Moon are given with sufficient exactness for all practical purposes. The weather prognostications are again calculated according to the table of the celebrated Dr. Herschel, and for extraordinary accuracy Miller's Almanac has attained unprecedented popularity.

### Chronological Cycles.

Dominical Letter .....	J. C.	Julian Period.....	6571
Golden Number.....	16	Jewish year commencing 14th	
Jewish Lunar Year.....	13	September, 1857.....	5619
Epact or Moon's age Jan. 1....	15	Age of the World (Septuagint)	7366
Solar Cycle .....	19	Mahomedan year Oct. 15th..	1273

### Movable Festivals.

Septuagesima Sunday, January	31	Low Sunday .....	April 11
Quinquagesima Sunday... Feb.	14	Rogation Sunday .....	May 9
Ash Wednesday .....	17	Ascension Day.....	13
First Sunday in Lent....	21	Witsunday .....	23
Palm Sunday.....	March 28	Trinity Sunday .....	30
Good Friday .....	April 2	Corpus Christi.....	June 3
Easter Sunday .....	4	Advent Sunday .....	Nov. 28

### Holidays observed at Public Offices,

Circumcision.....	January 1	Corpus Christi .....	June 3
Epiphany.....	6	St. Peter and St. Paul....	29
Annunciation.....	March 25	All Saints Day .....	Nov.
Good Friday .....	April 2	Conception of the Blessed	
Ascension Day .....	May 13	Virgin Mary .....	Dec.
Queen Victoria's Birthday	24	Christmas Day.....	25

**ECLIPSES DURING THE YEAR 1858.**

During this year there will be two Eclipses of the Sun and two of the Moon.

I.—February 27th. A partial Eclipse of the Moon takes place in the evening, on the Southern limb. The Moon will rise partially Eclipsed, and will be visible in the Eastern part of the Province, as far west as Hamilton. At Montreal the Moon rises 5.40. The Eclipse ends 6.32, digits 3.160. At Toronto the Moon rises 5.42 and sets at 6.00, digits 1.134.

II.—March 15th. There will be an Annular Eclipse of the Sun. It will be partial on this Continent and only visible east of Mississippi. The Sun will rise partially Eclipsed on the Southern limb, about 6.10. The size will be about 5½ digits, or somewhat less than half the Sun. It ends at Montreal at 7.45.

III.—August 24th. In the Morning there will be a partial Eclipse of the Moon. On the Pacific coast the Moon will set with a small Eclipse upon it. Not visible in Canada.

IV.—September 7th. There will be a total Eclipse of the Sun, but it will be wholly invisible in this country.

**DURATION OF THE SEASONS, &c.**

	D.	H.	M.		D.	H.	M.
Sun in Winter Signs....	89	1	19	Tropical Year.....	365	5	55
Sun in Spring Signs....	92	20	37	Sun North of the Equator	188	10	46
Sun in Summer Signs..	93	14	12	Sun South of the Equator	178	19	6
Sun in Autumnal Signs.	80	17	47	Difference .....	7	15	43

Vernal Equinox, begins .....	March	20	4	28	Even.
Summer Solstice .....	June	21	1	5	Even.
Autumnal Equinox .....	September	23	3	17	Morn.
Winter Solstice .....	December	21	9	4	Even.

**APPEARANCE OF PLANETS, 1858.**

Until February 28th Venus will be Morning Star, then Evening Star until the 13th December. Until May 15th Mars will be Morning Star, then Evening Star until next year. Jupiter will be Evening Star until May 19th, then Morning Star until December the 8th. Saturn will be Morning Star until January 15th, then Evening Star until July 25th, then Morning Star the remainder of the year. The Planet Mercury will be visible in the West about April 17th, August 15th, and December 10th; and also in the East a little before sunrise, about February 10th, June 10th, and October the 3rd.

1st MONTH.

**JANUARY, 31 Days.** Begins on Friday.

Moon's Phases.		Montreal.	Kingston.	Toronto.	London.	Sun on Meridian.	
	d.	h. m.	h. m.	h. m.	h. m.	d.	h. m. s.
Last Quarter,	6	7 53 ev.	7 41 ev.	7 30 ev.	7 22 ev.	1	12 3 57
New Moon,	15	0 33 mo.	0 26 mo.	0 15 mo.	0 7 mo.	9	12 7 30
First Quarter,	22	0 3 ev.	11 51 mo.	11 40 mo.	11 32 mo.	17	12 10 29
Full Moon,	29	4 18 mo.	4 6 mo.	3 35 mo.	3 47 mo.	25	12 12 41

  

DAYS.		Montreal.		Toronto.		Sun's Declinat.	The Moon.	Calendar, Aspects, &c.
M. Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	South.	R. & S.		
	h. m.	h. m.	h. m.	h. m.	Deg. Min.	h. m.		
1	Fri.	7 47	4 21	7 40	4 28	22 59	6 52	<i>Circumcision</i>
2	Sat.	47	22	40	29	22 54	8 8	Very fine weather.
3	C.	7 47	4 23	7 40	4 30	22 48	9 19	<i>2nd Sun. after Christmas.</i>
4	Mon.	46	24	39	31	22 42	10 27	Real wintry weather,
5	Tue.	46	25	39	32	22 35	11 31	Changeable.
6	Wed.	46	26	39	33	22 28	Morn.	<i>Epiphany.</i>
7	Thu.	45	28	39	34	22 21	0 35	Considerable snow and
8	Fri.	45	29	38	35	22 13	1 39	stormy weather may be
9	Sat.	45	30	38	36	22 4	2 44	looked for.
10	C.	7 44	4 31	7 38	4 37	21 55	3 47	<i>1st Sun. after Epiphany.</i>
11	Mon.	44	32	38	38	21 44	4 48	Fine wintry day,
12	Tue.	44	33	37	40	21 36	5 48	Pleasant.
13	Wed.	43	34	37	41	21 26	6 41	Changeable.
14	Thu.	43	35	37	42	21 16	Sets.	If the wind be S. or W.
15	Fri.	42	37	36	43	21 5	5 20	look for a thaw.
16	Sat.	41	38	36	44	20 53	6 28	Hard frost.
17	C.	7 40	4 39	7 35	4 45	30 42	7 37	<i>2nd Sun. after Epiphany.</i>
18	Mon.	39	41	35	46	20 29	8 44	
19	Tue.	39	42	33	48	20 17	9 53	There will be some mild
20	Wed.	38	43	33	49	20 4	11 2	weather from about now
21	Thu.	37	45	32	50	19 51	Morn.	through the moon's first
22	Fri.	36	46	31	52	19 37	0 13	quarter.
23	Sat.	35	47	31	53	19 23	1 20	Changeable.
24	C.	7 34	4 49	7 30	4 54	19 9	2 50	<i>3rd Sun. after Epiphany.</i>
25	Mon.	33	51	29	56	17 54	4 4	<i>Conversion of St. Paul.</i>
26	Tue.	33	52	28	57	18 39	5 15	Feed cattle amply and
27	Wed.	32	53	26	58	18 23	6 18	keep them warm
28	Thu.	31	54	25	5 00	18 8	Rises.	Cold rain or snow.
29	Fri.	31	54	25	01	17 52	5 40	Unpleasant weather for
30	Sat.	30	58	24	3	17 35	6 56	some days.
31	C.	7 28	5 00	7 23	5 05	17 18	8 8	<i>Septuagesima Sunday.</i>

JANUARY.—Golden grains of good advice offered for digestion during long winter nights. Never be idle. Cultivate constantly either your estate or your mind. Read none but the best of works on Agricultural science. Keep good company. Live within your income. Drink no kind of intoxicating liquors. Endorse nobody's notes. Speak evil of none. Give your girls a good education. Keep your word. Never run into debt. Be liberal to your minister. Go to Church regularly. Mind your own business.

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2nd MONTH. **FEBRUARY, 28 Days.** Begins on Monday.

Moon's Phases.		Montreal.		Kingston.		Toronto.		London.		Sun on Meridian.		
	d.	h. m.		h. m.		h. m.		h. m.		d.	h. m. s.	
Last Quarter,	5	4 23 ev.		4 11 ev.		4 00 ev.		3 52 ev.		1	12	13 54
New Moon,	13	5 10 ev.		5 7 ev.		4 56 ev.		4 48 ev.		9	12	14 30
First Quarter,	20	8 5 ev.		7 53 ev.		7 42 ev.		7 34 ev.		17	12	14 16
Full Moon,	27	5 11 ev.		4 59 ev.		4 44 ev.		4 40 ev.		25	12	13 16

  

DAYS.		Montreal.		Toronto.		Sun's Declinat.		The Moon.		Calendar, Aspects, &c.
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	South.		R. & S.		
		h. m.	h. m.	h. m.	h. m.	Deg.	Min.	h. m.		
1	Mon.	7 27	5 1	7 22	5 1	17	1	9 15		Fine winter day.
2	Tue.	26	2	21	2	16	44	10 21		
3	Wed.	25	3	20	3	16	27	11 25		Purification of B. V. M.
4	Thu.	23	5	19	4	16	9	Morn.		Snowy and stormy weather, which may continue through several days.
5	Fri.	22	6	17	5	15	50	0 30		
6	Sat.	20	8	16	6	15	32	1 35		
7	C.	7 19	5 9	7 15	5 8	15	13	2 40		Sevigesima Sunday.
8	Mon.	18	11	14	9	14	54	3 39		Blustery time.
9	Tue.	17	13	13	11	14	45	4 33		Unpleasant travelling.
10	Wed.	16	14	12	13	14	16	5 23		Weather moderating.
11	Thu.	14	16	11	14	13	56	6 1		
12	Fri.	13	17	9	16	13	36	6 35		But you may expect a succession of snow storms.
13	Sat.	11	18	7	17	13	16	Sets.		
14	C.	7 9	5 19	7 6	5 18	12	56	6 33		Quinquagesima Sunday.
15	Mon.	8	20	4	19	12	35	7 45		14th Valentine Day.
16	Tue.	6	22	2	30	12	14	8 52		Shrove Tuesday.
17	Wed.	4	24	1	22	11	53	10 4		Ash Wednesday.
18	Thu.	3	25	6 59	24	11	32	11 19		Changeable.
19	Fri.	1	27	58	25	11	11	Morn.		Cold rain if wind W.
20	Sat.	7 00	28	57	27	10	49	0 36		Snow if wind E.
21	C.	6 59	5 30	6 55	5 28	10	28	1 52		1st Sunday in Lent.
22	Mon.	57	31	54	30	10	6	3 5		No dependence can be placed on the weather.
23	Tue.	55	33	52	31	9	44	4 10		
24	Wed.	53	34	50	33	9	22	5 2		St. Mathias.
25	Thu.	51	35	48	34	8	59	5 42		
26	Fri.	49	37	47	35	8	37	6 12		The moon forebodes a stormy time.
27	Sat.	47	39	45	37	8	15	Rises.		
28	C.	6 46	5 39	6 43	5 39	7	52	6 54		2nd Sunday in Lent.

FEBRUARY.—The following are given as signs of a poor farmer. He grazes his meadows late in the spring. Some of his cows are much past their prime. He exhausts his land by planting and sowing without the application of manure. The sills of his buildings are covered with earth or manure causing speedy rot. His pathways and outhouses are encumbered and in disorder; nothing in its place; confusion reigns, not a tool can he find. He does nothing in stormy weather or in an evening. He is perhaps found in the bar room and often talks of hard times.

1858.]

MEMORANDUM FOR FEBRUARY.

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- 11  $\frac{9}{18}$  blow few mortal
- 12  $\frac{9}{20}$  blow " "
- 13  $\frac{9}{12}$  blow " "
- 14  $\frac{9}{14}$  blow " "
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- 19  $\frac{28}{28}$  at 7 o'clock at New down
- 20  $\frac{22}{22}$  at 7
- 21  $\frac{13}{13}$  appearance of snow do
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- 23  $\frac{22}{23}$  at 4 o'clock do
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3rd Month.

MARCH, 31 Days. Begins on Monday.

Moon's Phases.	Montreal.		Kingston.	Toronto.	London.	Sun on Meridian.		
	d.	h. m.	h. m.	h. m.	h. m.	d.	h. m.	s.
Last Quarter.	7	1 17 ev.	1 5 ev.	0 54 ev.	0 46 ev.	1	12 12	32
New Moon.	15	7 18 mo.	7 6 mo.	6 55 mo.	6 47 mo.	9	12 10	41
First Quarter.	22	2 49 mo.	2 47 mo.	2 24 mo.	2 16 mo.	17	12 8	28
Full Moon.	29	7 14 mo.	7 2 mo.	6 43 mo.	6 41 mo.	25	12 6	3

M. Week.	DAYS.	Montreal.		Toronto.		Sun's Declinat.	The Moon.	Calendar, Aspects. &c.
		Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	South.	R. & S.	
		h. m.	h. m.	h. m.	h. m.	Deg. Min.	h. m.	
1	Mon.	6 44	5 42	6 42	5 44	7 29	8 3	ST. DAVID'S DAY.
2	Tue.	42	43	41	45	7 6	9 8	The first quarter of
3	Wed.	40	44	39	46	6 43	10 13	March will be either rainy
4	Thu.	39	45	37	47	6 29	11 19	or attended with frequent
5	Fri.	37	47	35	49	5 57	Morn.	snow storms.
6	Sat.	36	48	34	49	5 34	0 23	
7	C.	6 34	5 49	6 32	5 50	5 11	1 26	3rd Sunday in Lent.
8	Mon.	31	51	31	51	4 47	2 24	Changeable.
9	Tue.	29	53	29	53	4 24	3 10	Stormy.
10	Wed.	27	54	27	55	4 0	3 58	Cold and snowy.
11	Thu.	25	55	25	55	3 37	4 35	Fine day.
12	Fri.	24	56	23	57	3 13	5 3	St. Gregory.
13	Sat.	22	58	22	58	2 50	5 23	Squally time.
14	C.	6 29	5 59	6 20	6 00	2 23	5 51	4th Sunday in Lent.
15	Mon.	18	6 1	18	1	2 2	6 2	Changeable.
16	Tue.	16	2 16	2	2	1 39	7 59	Sleeting not good.
17	Wed.	14	3	15	3	1 15	9 5	ST. PATRICK'S DAY.
18	Thu.	12	4	12	4	0 51	10 23	Weather gloomy, cold,
19	Fri.	10	6	10	6	0 27	11 42	wet and dreary.
20	Sat.	9	7	9	7	0 4	Morn.	Vernal Equinox begins.
21	C.	6 7	6 8	6 6	6 8	North.	0 58	5th Sunday in Lent.
22	Mon.	5	9	5	9	0 43	2 3	We expect rain or snow.
23	Tue.	3	11	3	11	1 6	2 59	
24	Wed.	1	12	1	12	1 30	3 42	Unsettled.
25	Thu.	5 59	13	6 00	13	1 53	4 15	Annun. of Virgin Mary.
26	Fri.	67	15	5 58	14	2 17	4 42	There have been high
27	Sat.	55	16	56	16	2 40	5 2	winds.
28	C.	5 53	6 17	5 54	6 17	3 4	Rises.	Sunday before Easter.
29	Mon.	52	18	53	18	3 27	6 52	The weather begins to
30	Tue.	50	20	51	20	3 51	7 58	assume a spring-like char-
31	Wed.	47	21	50	21	4 14	9 3	acter.

MARCH.—President Taylor's message contained at least one very sensible paragraph, which we commend to the notice of our Canadian Legislature. "To elevate the social condition of the Agriculturist, to increase his prosperity, and extend his means of usefulness to his country, by multiplying his sources of information, should be the study of every statesman, and the primary object of every legislator." A good deal has been done in Canada, but much more has yet to be accomplished.

1858.]

## MEMORANDUM FOR MARCH.

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3  $\frac{9}{10}$  at 7 am $\frac{14}{10}$  at 10 PM4  $\frac{9}{10}$  at 7 am

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15 mild - thawing

16 - began to rain in the afternoon

17  $\frac{38}{10}$  at 7 o'clock, very mild - roads soft

18 Snow has melted a good deal, altogether

19 about 15 inches - a fine day

20  $\frac{19}{10}$  at 6 o'clock21  $\frac{32}{10}$  - raining. freeze on the ground.  $\frac{34}{10}$  at 10 o'clock

22 blowing hard

raining hard

23  $\frac{9}{10}$  - fine weather

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The remarks on the above page was

4th MONTH.

APRIL, 30 Days. Begins on Thursday.

Moon's Phases.		Montreal.		Kingston.		Toronto.		London.		Sun on Meridian.		
	d	h. m.		h. m.		h. m.		h. m.		d.	h. m. s.	
Third Quarter,	6	8 49 mo.		8 37 mo.		8 26 mo.		8 18 mo.		1	12 3 53	
New Moon,	13	6 21 ev.		6 9 ev.		5 58 ev.		5 50 ev.		9	12 1 33	
First Quarter,	20	9 32 mo.		9 20 mo.		9 9 mo.		9 1 mo.		17	11 59 29	
Full Moon,	27	10 2 ev.		9 50 ev.		9 39 ev.		9 31 ev.		25	11 37 50	

  

DAYS.	Montreal.		Toronto.		The Sun's Declinat.		The Moon.		Calendar, Aspects, &c.
	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	North.	R. & S.			
					Deg. Min		h. m.		
1 Thu.	5 46	6 22	5 47	6 21	4 37		10 9	All fools day, so called.	
2 Fri.	45	23	46	22	5 0		11 15	Good Friday.	
3 Sat.	42	24	44	23	5 23			Canada Discovered, 1499.	
4 C.	5 41	6 25	5 42	6 24	5 46		0 13	Easter Day.	
5 Mon.	39	27	40	26	6 9		1 7	Changeable.	
6 Tue.	37	29	38	27	6 31		1 53	If the wind be Westerly,	
7 Wed.	35	30	36	28	6 54		2 31	there will be rain.	
8 Thu.	33	31	34	29	7 16		3 5	Frost is coming out of	
9 Fri.	32	32	35	31	8 3		3 27	the earth.	
10 Sat.	30	33	31	32	8 1		3 52	Cold frost.	
11 C.	5 28	6 34	5 30	6 33	8 23		4 13	1st Sunday after Easter.	
12 Mon.	26	36	28	34	8 45		4 35		
13 Tue.	24	37	25	35	9 7		Sets.	This week will be of	
14 Wed.	22	38	24	36	9 28		8 2	unsteady weather; on the	
15 Thu.	20	40	23	37	9 50		9 23	whole moderate; but	
16 Fri.	18	42	21	39	10 11		10 43	tending to stormy days.	
17 Sat.	17	43	19	40	10 32		11 54		
18 C.	5 15	6 44	5 17	6 41	10 53		Morn.	2nd Sunday after Easter.	
19 Mon.	13	45	16	42	11 14		0 55	Cold winds accompanied	
20 Tue.	11	47	14	44	11 35		1 42	with rain and sometimes	
21 Wed.	10	48	13	45	11 55		2 18	sleet.	
22 Thu.	8	49	11	46	12 15		2 45	St. GEORGE'S DAY.	
23 Fri.	6	50	9	47	12 35		3 9	Fine clear day.	
24 Sat.	5	51	8	48	12 55		3 30		
25 C.	5 3	6 53	5 7	6 40	13 15		3 48	3d S. after Easter St. Mark.	
26 Mon.	2	54	5	51	13 34		4 7		
27 Tue.	5 00	56	4	52	13 53		4 55	The end of April will be	
28 Wed.	4 58	57	2	53	14 12		7 57	fair and pleasant.	
29 Thu.	56	58	5 00	54	14 31		9 0	Spring looks forward.	
30 Fri.	55	59	5 00	55	14 50		10 3		

APRIL.—The question is often asked, what quantity of seeds should be usually sown to an acre. We give the following as sufficiently accurate for most places. Beans from 1½ to 2 bushels. Peas from 1½ to 2 bushels. Onions from 6 to 8 lbs. Carrots from 2 to 2½ lbs. Parsnips from 4 to 5 lbs. Beets from 6 to 8 lbs. Turnips from ½ to 1 lb. Red Clover 10 lbs. White Clover 6 lbs. Timothy 15 lbs. Red Top 14 lbs. Orchard Grass 14 lbs. Blue Grass 10 lbs. Luzerne 10 lbs. Experience is the best teacher.

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1868.] MEMORANDUM FOR APRIL.

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5th Month.

MAY, 31 days. Begins on Saturday.

Moon's Phases.	Montreal.	Kingston.	Toronto.	London.	Sun on Meridian.	
	d. h. m.	h. m.	h. m.	h. m.	d.	h. m. s.
Last Quarter.	6 1 46 mo.	1 34 mo.	1 23 mo.	1 15 mo.	1	11 56 55
New Moon.	13 2 54 mo.	2 42 mo.	2 31 mo.	2 23 mo.	9	11 56 13
First Quarter.	20 5 26 ev.	5 14 ev.	5 3 ev.	4 55 ev.	17	11 56 7
Full Moon.	27 1 11 ev.	0 59 ev.	0 48 ev.	0 40 ev.	25	11 56 37

M. Week.	Montreal.		Toronto.		Sun's Declinat.	The Moon.	Calendar, Aspects, &c.
	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	North.	R. & S.	
	h. m.	h. m.	h. m.	h. m.	Deg. Min.	h. m.	
1 Sat.	4 54	7 00	4 58	6 56	15 8	10 59	<i>Sts. Philip and James.</i>
2 C.	4 53	7 1	4 57	6 57	15 26	11 48	<i>4th Sunday after Easter.</i>
3 Mon.	51	3	55	59	15 43	Morn.	
4 Tue.	50	4	54	7 00	16 1	0 28	The first whole week of
5 Wed.	49	5	53	1	16 18	1 3	May will be fine, bright
6 Thu.	47	7	51	2	16 35	1 30	agreeable weather.
7 Fri.	45	8	49	3	16 52	1 54	Farm work progressing
8 Sat.	43	9	48	4	17 8	2 15	first rate.
9 C.	4 42	7 10	4 47	7 5	17 24	2 36	<i>5th Sunday after Easter.</i>
10 Mon.	41	11	46	6	17 40	2 58	Weather cool.
11 Tue.	40	12	46	7	17 56	3 21	Cloudy.
12 Wed.	39	13	44	8	18 11	Sets.	With the moon's change
13 Thu.	37	15	42	10	18 26	8 17	<i>Ascension Day.</i>
14 Fri.	36	16	41	12	18 40	9 36	There will be frequent
15 Sat.	35	17	40	12	18 55	10 44	showers.
16 C.	4 34	7 18	4 39	7 13	19 3	11 38	<i>Sunday after Ascension.</i>
17 Mon.	33	19	38	14	19 22	Morn.	Pleasant day.
18 Tue.	32	20	37	15	19 35	0 13	Unsettled.
19 Wed.	31	21	36	16	19 48	0 39	
20 Thu.	30	22	35	17	20 1	1 13	For a few days there will
21 Fri.	29	23	34	18	20 13	1 35	be very fine weather.
22 Sat.	28	24	33	19	20 25	1 54	
23 C.	4 27	7 25	4 32	7 20	20 37	2 14	<i>Whit Sunday.</i>
24 Mon.	27	27	32	21	20 48	2 35	<i>Whit Monday.</i>
25 Tue.	26	26	31	22	20 59	2 56	<i>Whit Tuesday.</i>
26 Wed.	25	25	31	23	21 10	4 23	We anticipate some wet
27 Thu.	24	24	30	24	21 20	Rises.	days.
28 Fri.	23	23	29	25	21 29	8 53	Rain. Rain.
29 Sat.	22	22	28	26	21 39	9 45	Pleasant days.
30 C.	4 21	7 21	4 28	7 25	21 48	10 26	<i>Trinity Sunday.</i>
31 Mon.	20	20	27	27	21 57	11 2	Sun shines bright.

MAY.—So usual is the rot among potatoes, that it is looked for as a matter of course. Many remedies have been suggested. A farmer says, plant as early as the last of March or first of April; if you can put a little lime in each hill when planting. He says, none planted in this way have ever rotted. Lime does not prevent the bugs from eating off the tops, but by early planting you will get good large potatoes before the bugs attack the vines. Potatoes do not grow after the tops are destroyed.

1856.]

MEMORANEUM FOR MAY.

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8 warm from town

9 then dr therm at 5 P.M.

10 pleasant &amp; clear day

11 hard frost last night

12 rain all day cool morn

13 pleasant

14 very hard frost last night

15 much warmer at 5 P.M.

16 cold windy hard frost clear

17 ice nearly 1/2 in thick this morning

18 rain cold

19 fine sunny till for town

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Moon's Phases.		Montreal.		Kingston.	Toronto.	London.	Sun on Meridian.	
	d.	h. m.		h. m.	h. m.	h. m.	d.	h. m. s.
Last Quarter,	4	3 27 ev.		3 15 ev.	3 4 ev.	2 56 ev.	1	11 57 59
New Moon,	11	9 52 mo.		9 40 mo.	3 29 mo.	3 21 mo.	9	11 58 52
First Quarter,	18	3 20 mo.		3 8 mo.	2 57 mo.	2 49 mo.	17	12 0 32
Full Moon,	26	4 19 mo.		4 7 mo.	3 56 mo.	3 48 mo.	25	12 2 15

  

DAYS.		Montreal.		Toronto.		Sun's Declinat.		The Moon.	Calendar, Aspects, &c.
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	North.		R. & S.	
		h. m.	h. m.	h. m.	h. m.	Deg.	Min.	h. m.	
1	Tue.	4 20	7 34	4 27	7 28	22	5	11 31	Fine Warm days. Vegetation forward throughout the province. [DIEU. COEPU8 CHRISTI, FETE Fine fair day. Rather warm.
2	Wed.	20	36	27	29	22	13	11 57	
3	Thu.	19	37	26	30	22	20	Morn.	
4	Fri.	19	37	25	31	22	27	0 17	
5	Sat.	18	38	35	31	22	34	0 36	
6	C.	4 18	7 38	4 24	7 31	22	41	9 57	1st Sunday after Trinity.
7	Mon.	17	39	24	32	22	47	1 22	Windy and very dusty in towns.
8	Tue.	17	40	24	32	22	52	1 43	Country looks promising as to the hay and harvest. St Barnabas.
9	Wed.	17	40	24	33	22	57	2 13	
10	Thu.	17	41	24	34	23	2	Sets.	
11	Fri.	17	42	24	34	23	6	8 21	
12	Sat.	17	42	24	35	23	15	9 25	
13	C.	4 16	7 43	4 24	7 36	23	14	10 13	2nd Sunday after Trinity.
14	Mon.	16	43	23	36	23	17	10 47	Clouds and wind. Thunder, but little lightning. Some rainy days may be expected about now.
15	Tue.	16	44	23	37	23	20	11 44	
16	Wed.	16	44	23	37	23	22	11 39	
17	Thu.	16	44	23	37	23	24	11 58	
18	Fri.	16	45	23	38	23	25	Morn.	
19	Sat.	16	46	23	39	23	26	0 17	
20	C.	4 16	7 46	4 25	7 39	23	27	0 42	3rd Sunday after Trinity.
21	Mon.	16	46	23	39	23	27	1 2	Changeable. Clearing up.
22	Tue.	16	47	24	39	23	27	1 18	
23	Wed.	17	47	24	40	23	26	1 57	NATIVITY ST. J. BAPTIST. Again look for rain. But do not complain.
24	Thu.	17	47	25	40	23	25	2 33	
25	Fri.	18	47	25	40	23	24	Rises.	
26	Sat.	18	47	25	39	23	22	8 27	
27	C.	4 18	7 46	4 26	7 39	23	20	9 0	4th Sunday after Trinity.
28	Mon.	19	46	26	39	23	17	9 36	The sun is out brightly.
29	Tue.	19	46	27	39	23	14	10 2	Sts. Peter and Paul.
30	Wed.	20	46	27	39	23	11	10 22	Very pleasant.

JUNE.—We always recommend attention to gardening operations; they pay well. Now is the time for hoeing, weeding, thinning, transplanting and watering. If the weather be dry stir the ground oftener. When you commence watering, continue it until a change of weather renders it unnecessary. Sow Ruta Baga about the 20th, and if possible just before a rain. When you transplant cabbages select rich earth. Before taking up, saturate the earth round the roots. Plant two and a half feet apart each way, and you may expect large heads.

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- 15 arrived from town..
- 16 same
- 17 Pennan found Mr. M. without
- 18 name of the harvest day we have had
- 19 codes in the morning
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- 24 left for Haven
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7th MONTH.

**JULY, 31 Days.**

Begins on Thursday.

Moon's Phases.		Montreal.		Kingston.	Toronto.		London.		Sun on Meridian.	
	d.	h. m.		h. m.	h. m.		h. m.		d.	h. m. s.
Last Quarter,	4	1 50 mo.		1 38 mo.	1 27 mo.		1 19 mo.		1	12 3 28
New Moon,	9	4 31 ev.		4 19 ev.	4 8 ev.		4 00 ev.		9	12 4 51
First Quarter,	17	3 45 ev.		3 33 ev.	3 22 ev.		3 14 ev.		17	12 5 48
Full Moon,	25	7 9 ev.		6 57 ev.	6 46 ev.		6 38 ev.		25	12 6 12

DAYS.		Montreal.		Toronto.		Sun's Declinat.		The Moon.	Calendar, Aspects, &c.
M. Week.	Sun. Rises.	Sun Sets.	Sun Rises.	Sun Sets.	North.		R. & S.		
	h. m.	h. m.	h. m.	h. m.	Deg. Min.	h. m.			
1 Thu.	4 20	7 46	4 27	7 39	23 7	10 42		Exceedingly warm. Symptoms of rain. Sultry.	
2 Fri.	21	46	28	39	23 2	11 00			
3 Sat.	22	46	29	39	22 58	11 22			
4 C.	4 23	7 45	4 30	7 38	22 53	11 48		5th Sunday after Trinity.	
5 Mon.	23	45	30	38	22 47	Morn.			
6 Tue.	24	44	30	38	22 41	0 12		Thunder and lightning.	
7 Wed.	25	44	31	38	22 35	0 46		Stormy.	
8 Thu.	26	44	32	38	22 28	1 33		Wind and hail.	
9 Fri.	26	44	33	37	22 21	2 34		Unsettled weather for some days.	
10 Sat.	27	43	34	36	22 14	Sets.			
11 C.	4 27	7 43	4 34	7 36	22 6	8 42		6th Sunday after Trinity.	
12 Mon.	28	42	34	36	21 58	9 14			
13 Tue.	28	41	35	35	21 49	9 42		Very fine and reasonable weather, but the heat is great,—clouds are gathering—there will be thunder.	
14 Wed.	29	41	36	34	21 40	10 0			
15 Thu.	30	41	37	34	21 31	10 24			
16 Fri.	31	40	38	34	21 21	10 43			
17 Sat.	32	39	39	33	21 11	11 4			
18 C.	4 33	7 38	4 40	7 32	21 1	11 27		7th Sunday after Trinity.	
19 Mon.	34	37	41	31	20 50	11 58		There will be considerable rain this week.	
20 Tue.	35	36	42	30	20 39	Morn.			
21 Wed.	35	35	43	29	20 27	0 32			
22 Thu.	37	34	43	29	20 16	1 14		Very sultry.	
23 Fri.	38	33	44	28	20 3	2 5		Changeable.	
24 Sat.	39	32	46	27	19 51	3 3		Heat diminished.	
25 C.	4 40	7 31	4 46	7 26	19 38	Rises.		8th Sun. aft. Tri., St. Jas.	
26 Mon.	41	30	47	25	19 25	8 5		The general aspects are for rain.	
27 Tue.	42	30	48	24	19 11	8 27			
28 Wed.	42	28	49	23	18 58	8 48		Heavy showers.	
29 Thu.	44	27	50	22	18 44	9 8		Pleasant again although a fan is found useful.	
30 Fri.	46	26	51	21	18 29	9 28			
31 Sat.	47	25	52	20	18 14	9 50			

**JULY.**—This is generally the hottest month of the year. The weeds grow very fast, so will your crops if they be planted or sown on land well prepared and manured. Destroy the weeds early, and carefully guard your crops. Haymaking will be greatly facilitated by the use of the revolving horse rake. This implement, if properly constructed, is of great value as a labour saving machine. For the hay field, for pulling peas and for raking stubbles it is very useful. The cost is comparatively trifling.

1868.]

MEMORANDUM FOR JULY.

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6 *Washburn 8000 to 1000*

7 *64000 - at 1124 88. 900 to 1000*

8 *Washburn 1000 to 1000*

9 *Washburn 1000 to 1000*

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22 *Washburn 1000 to 1000*

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*Washburn 1000 to 1000*

Moon's Phases.		Montreal.	Kingston.	Toronto.	London.	Sun on Meridian.	
	d.	h. m.	h. m.	h. m.	h. m.	d.	h. m. s.
Last Quarter,	2	9 27 mo.	9 15 mo.	9 4 mo.	8 56 mo.	1	12 6 1
New Moon,	9	12 4 ev.	11 48 ev.	11 37 ev.	11 29 ev.	9	12 5 14
First Quarter,	16	6 48 mo.	6 36 mo.	6 25 mo.	6 17 mo.	17	12 3 50
Full Moon,	24	9 18 mo.	9 6 mo.	8 53 mo.	8 45 mo.	25	12 1 53
Third Quarter,	31	3 23 ev.	3 11 ev.	3 00 ev.	2 52 ev.		

  

M. Week.	DAYS.	Montreal.		Toronto.		Sun's Declinat.	The Moon.	Calendar, Aspects, &c.
		Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	North.	R. & S.	
1	C.	4 48	7 24	4 54	7 18	47 50	10 12	9th Sunday after Trinity.
2	Mon.	50	22	55	17	17 44	10 44	
3	Tue.	51	21	56	16	17 29	11 23	Weather favourable for
4	Wed.	52	20	47	15	17 13	Morn.	the hay harvest, but now
5	Thu.	53	19	58	14	16 57	0 15	variable. Hay crops prom-
6	Fri.	55	17	59	13	16 40	1 20	ises well for the season.
7	Sat.	56	16	5 00	12	16 23	2 36	
8	C.	4 57	7 14	5 1	7 10	16 6	Sets.	10th Sunday after Trinity.
9	Mon.	58	12	2	8	15 49	7 40	Warm and dry.
10	Tue.	59	11	3	7	15 32	8 2	Changeable.
11	Wed.	5	9	5	5	15 14	8 23	Thunder and lightning
12	Thu.	2	8	6	4	14 56	8 43	this week with some heavy
13	Fri.	3	7	7	3	14 38	9 5	showers
14	Sat.	3	5	8	1	14 19	9 30	
15	C.	5 5	7 3	5 9	6 59	14 1	9 26	11th Sunday after Trinity.
16	Mon.	6	2	10	58	13 42	10 30	Windy and unsteady
17	Tue.	7	1	11	57	13 23	11 10	weather may be looked
18	Wed.	8	6 59	12	56	13 3	11 56	for this week.
19	Thu.	9	57	13	54	12 44	Morn.	More settled.
20	Fri.	11	55	14	32	12 24	0 53	Rain.
21	Sat.	12	54	16	20	12 4	1 54	
22	C.	5 13	6 52	5 17	6 49	11 44	3 0	12th Sunday after Trinity.
23	Mon.	14	50	18	47	11 24	Rises.	
24	Tue.	16	48	19	46	11 3	6 53	Another week of va-
25	Wed.	18	46	20	44	10 43	7 13	riable weather, generally
26	Thu.	19	45	21	43	10 22	7 34	warm. It is necessary to
27	Fri.	20	43	22	40	10 1	7 54	make hay while the sun
28	Sat.	21	41	24	38	9 40	8 17	shines.
29	C.	5 22	6 40	5 25	6 37	9 18	8 44	13th Sunday after Trinity.
30	Mon.	23	38	26	36	8 57	9 22	There will be very cool
31	Tue.	24	36	27	34	8 35	10 7	nights.

AUGUST.—When the proper season returns we most earnestly beg our agricultural friends to attend to orchard planting if not already done. "Early and ample provision should be made for fruits by every farmer in the land." So says a practical wise man, and further. "If you wait till half your life time is spent you will spend much time in vain regrets. Nevertheless, plant without further delay. You may live to enjoy the shade or the fruit, and bequeath a legacy to your successors. Plant an orchard of the best fruits.

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1858.]

MEMORANDUM FOR AUGUST.

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Moon's Phases,		Montreal,	Kingston,	Toronto	London,	Sun on Meridian.	
	d.	h. m.	h. m.	h. m.	h. m.	d.	h. m. s.
New Moon.	7	9 21 mo.	9 9 mo.	8 58 mo.	8 50 mo.	1	11 59 40
First Quarter.	15	9 22 mo.	9 10 mo.	11 59 ev.	11 51 ev.	9	11 57 12
Full Moon.	22	10 27 ev.	10 15 ev.	10 4 ev.	9 56 ev.	17	11 54 24
Last Quarter.	29	8 58 ev.	8 46 ev.	8 35 ev.	8 27 ev.	25	11 51 36

  

DAYS.	Montreal.		Toronto.		Sun's Declinat.	The Moon,	Calendar, Aspects, &c.
M. Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	North.	R. & S.	
	h. m.	h. m.	h. m.	h. m.	Deg. Min.	h. m.	
1 Wed.	5 26	6 34	5 28	6 32	8 13	11 7	Weather more settled.
2 Thu.	28	32	30	29	7 52	Morn.	Good prospects for late
3 Fri.	29	30	30	28	7 30	0 18	grain.
4 Sat.	30	23	32	26	7 7	1 34	
5 C.	5 31	6 27	5 33	6 25	6 45	2 55	14th Sunday after Trinity.
6 Mon.	32	24	34	23	6 23	4 13	
7 Tue.	33	23	35	21	6 0	Sets.	Looks doubtful overhead.
8 Wed.	35	21	36	20	5 38	6 48	Changeable.
9 Thu.	36	19	37	18	5 15	7 9	Some rain but nothing
10 Fri.	37	17	38	16	4 52	7 29	very alarming.
11 Sat.	39	16	39	15	4 29	7 56	
12 C.	5 39	6 14	5 40	6 13	4 7	8 28	15th Sunday after Trinity
13 Mon.	40	12	41	11	3 44	9 4	
14 Tue.	42	10	43	9	3 21	9 49	A fair and agreeable
15 Wed.	43	7	43	8	2 57	10 41	week may be anticipated.
16 Thu.	44	6	45	7	2 34	11 41	
17 Fri.	45	4	46	5	2 11	Morn.	Changeable.
18 Sat.	46	2	47	3	1 48	0 45	Bright day.
19 C.	5 48	6 00	5 48	6 1	1 25	1 50	16th Sunday after Trinity.
20 Mon.	49	5 57	49	5 57	1 1	2 58	Very fine day.
21 Tue.	50	56	50	56	0 38	4 3	Fair and cool.
22 Wed.	51	55	52	54	0 14	Rises.	St. Matthew.
23 Thu.	52	52	52	52	South.	5 59	Cool and fair.
24 Fri.	54	50	53	50	0 21	6 21	Unsettled squally time.
25 Sat.	56	48	54	49	0 55	6 48	
26 C.	5 56	6 46	5 55	5 47	1 18	7 22	17th Sunday after Trinity.
27 Mon.	57	45	57	45	1 42	8 6	
28 Tue.	59	43	59	43	2 5	9 0	St. Michael & all Angels.
29 Wed.	6 00	40	6 00	40	2 28	10 8	Last week of this month
30 Thu.	2	38	1	39	2 52	11 18	very changeable.

SEPTEMBER.—Turnips and Ruta Baga require attention this month. Let them be well cleaned of weeds and hoed. Late cabbages may be earthed and hoed. Clean off decayed crops and remove all vegetable trash to your compost heap or to the pig pen. Give Beets, Carrots and Parsnips protection from frost. Secure your winter squashes before they become frost bitten. Be diligent in gathering in all your late grains. Your profits will be in taking the best care of the things which without care will be lost altogether. Don't waste any straw after thrashing.

1858.]

MEMORANDUM FOR SEPTEMBER.

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Moon's Phases.		Montreal.		Kingston.	Toronto.	London.	Sun on Meridian.		
	d.	h. m.		h. m.	h. m.	h. m.	d.	h.	m. s.
New Moon,	6	9 14 ev.		9 2 ev.	8 51 ev.	8 43 ev.	1	11	40 37
First Quarter,	14	7 48 ev.		7 36 ev.	7 25 ev.	7 17 ev.	9	11	47 17
Full Moon,	22	10 25 mo.		10 13 mo.	10 2 mo.	9 54 mo.	17	11	45 24
Last Quarter,	29	3 40 mo.		3 28 mo.	3 17 mo.	3 9 mo.	25	11	44 9

DAYS.		Montreal.		Toronto.		Sun's Declinat.		The Moon.	Calendar, Aspects, &c.
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	North.		R. & S.	
		h. m.	h. m.	h. m.	h. m.	Deg.	Min.	h. m.	
1	Fri.	6 3	5 37	6 2	5 38	3 15		0 39	Rainy about now. Somewhat cold.
	Sat.	4	35	3	36	3 38			
3	C.	6 5	5 33	6 4	5 34	4 2		1 56	18th Sunday after Trinity. If wind be N. W., fair.
4	Mon.	7	31	5	33	4 25		3 9	
5	Tue.	8	30	6	32	4 43		4 20	Look for rain if wind be South or S. W. The lunar aspects are not reliable just now.
6	Wed.	9	27	7	29	5 11		5 11	
7	Thu.	11	25	8	27	5 34		5 32	
8	Fri.	12	24	9	26	5 57		5 36	
9	Sat.	12	21	10	24	6 20		6 25	
10	C.	6 14	5 20	6 11	5 22	6 43		7 0	19th Sunday after Trinity. Pleasant day.
11	Mon.	15	19	12	20	7 5		7 42	
12	Tue.	16	17	14	19	7 28		8 31	Changeable. Changeable.
13	Wed.	18	14	15	17	7 51		9 28	
14	Thu.	20	12	16	15	8 13		10 29	The weather sets in fair and pleasant for a few days.
15	Fri.	21	9	17	13	8 35		11 34	
16	Sat.	23	7	19	12	8 57		Morn.	
17	C.	6 24	5 5	6 20	5 9	9 19		0 40	20th Sunday after Trinity St. Luke.
18	Mon.	25	4	21	8	9 41		1 36	
19	Tue.	26	2	22	6	10 3		2 52	There have been some heavy frosts.
20	Wed.	28	1	24	5	10 25		3 59	
21	Thu.	29	4 59	25	3	10 46		Rises.	Snow falls in the East and remains on the moun- tain tops.
22	Fri.	31	57	27	2	11 7		4 49	
23	Sat.	32	55	28	4 59	11 29		5 21	
24	C.	6 33	4 53	6 29	4 58	11 50		6 1	21st Sunday after Trinity St. Luke.
25	Mon.	35	52	30	57	12 10		6 55	
26	Tue.	36	50	31	56	12 31		7 59	Cold rains in the West.
27	Wed.	38	49	32	54	12 51		9 13	
28	Thu.	39	47	33	53	13 11		10 29	Sts. Simon and Jude. Cool weather and fre- quent showers.
29	Fri.	41	46	35	52	13 31		11 45	
30	Sat.	42	46	38	50	13 51		Morn.	
31	C.	43	4 45	6 40	4 48	14 11		1 06	22d Sunday after Trinity

OCTOBER.—A few rural axioms may be repeated and worth considering. It is as cheap to raise one ton of grass clover as a ton of burdock or pig weeds. A "cheap plough" at five dollars, costing in one season three dollars repairs, and three more in lost time to teams, men, and by retarding crops, is a dearer plough than one at ten dollars needing repairs. The laborer who wastes half his strength in working all day with a dull saw, because he cannot give a shilling or afford half an hour to get it sharpened will waste at least 25 cents a day or six or seven dollars a month.

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11th Month.

**NOVEMBER, 30 Days.** Begins on Monday.

Moon's Phases.		Montreal.	Kingston.	Toronto.	London.	Sun on Meridian.		
	d	h. m.	h. m.	h. m.	h. m.	d.	h. m. s.	
New Moon,	5	11 55 mo.	11 43 mo.	11 32 mo.	11 24 mo.	1	11 43 42	
First Quarter,	13	3 45 ev.	3 36 ev.	3 25 ev.	3 17 ev.	9	11 43 50	
Full Moon,	20	9 31 ev.	9 19 ev.	9 8 ev.	9 00 ev.	17	11 46 10	
Last Quarter,	27	0 41 ev.	0 29 ev.	0 18 ev.	0 10 ev.	25	11 47 13	

M.	Week.	Montreal.		Toronto.		Sun's Declinat.	The Moon.	Calendar, Aspects, &c.
		Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	South.	R & S.	
		h. m.	h. m.	h. m.	h. m.	Deg. Min.	h. m.	
1	Mon.	6 44	4 44	6 41	4 47	14 30	2 10	<i>All Saints' Day.</i>
2	Tue.	46	42	45	45	14 49	3 18	
3	Wed.	48	40	44	44	15 8	4 25	Rather dull weather.
4	Thu.	49	39	45	43	15 27	5 53	Cold winds with rain or perhaps snow.
5	Fri.	57	37	47	41	15 45	Sets.	
6	Sat.	52	36	48	40	16 3	4 58	
7	C.	6 54	4 34	6 19	4 39	16 21	5 36	<i>23rd Sunday after Trinity</i>
8	Mon.	55	32	50	38	16 39	6 24	Clear day and cold nights for some time.
9	Tue.	56	31	51	36	16 54	7 19	
10	Wed.	57	29	53	36	17 13	8 19	Wintry appearance in
11	Thu.	58	28	54	34	17 29	9 21	Lower Canada, in the
12	Fri.	7 00	27	55	33	17 46	10 26	West.
13	Sat.	1	26	56	32	18 2	11 30	
14	C.	7 3	4 26	6 58	4 31	18 18	0 35	<i>24th Sunday after Trinity.</i>
15	Mon.	5	25	7 00	30	18 35	0 35	Cold rains.
16	Tue.	6	24	1	29	18 48	1 39	
17	Wed.	7	23	2	28	19 3	2 46	From now to the 20th you
18	Thu.	8	22	3	27	19 17	3 56	may look for dull weather,
19	Fri.	11	21	5	27	19 31	5 11	but after that fair.
20	Sat.	12	20	6	26	19 45	Rises.	
21	C.	7 13	4 19	7 7	4 25	19 58	4 41	<i>25th Sunday after Trinity.</i>
22	Mon.	14	18	8	25	20 11	5 44	<i>St. Cecilia.</i>
23	Tue.	16	18	10	24	20 24	6 57	Frosty and clear cold
24	Wed.	17	17	11	24	20 36	8 16	winds to end of the month.
25	Thu.	18	16	12	23	20 48	9 35	<i>St. Catharine.</i>
26	Fri.	19	15	13	22	21 0	10 50	
27	Sat.	21	15	15	21	21 11	Morn.	
28	C.	7 22	4 14	7 16	4 21	21 21	0 1	<i>Advent Sunday.</i>
29	Mon.	23	13	17	20	21 32	1 9	Cold and snowy.
30	Tue.	25	13	18	19	21 42	2 18	<i>ST. ANDREW'S DAY.</i>

NOVEMBER.—Last month and this are important to the farmer in the matter of ploughing. In Lower Canada especially, where the spring comes late, no day should be wasted. Have good ploughs, and don't be afraid of going too deep. A large portion of our good lands are absolutely barren for want of good subsoil ploughing. Take our advice, and plough deep. It will amply repay you. This month requires you to take up and take care of your Cabbages, Carrots, Turnips and Rutabagas. Now complete all your out door work.

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12 Cold East wind

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14<sup>o</sup> pleasant - showed Concord all

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18 very pleasant 34 at 12 noon

22

14 pleasant North wind

23

20 Clear. Wind East by 28 at 11:00

24

with 34 at 12. 38 2 in the morning with light

25

26

27

28

29

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12th MONTH. **DECEMBER, 31 Days.** Begins on Wednesday.

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PRINTED FOR THE PROPRIETOR

Moon's Phases.	Montreal.	Kingston.	Toronto.	London.	Sun on Meridian.	
	d. h. m.	h. m.	h. m.	h. m.	d.	h. m. s.
New Moon,	5 5 16 mo.	5 4 mo.	4 53 mo.	4 45 mo.	1	11 49 17
First Quarter,	13 10 34 mo.	10 22 mo.	10 11 mo.	10 3 mo.	9	11 52 38
Full Moon,	20 8 13 mo.	8 1 mo.	7 50 mo.	7 42 mo.	17	11 56 26
Last Quarter,	27 0 43 mo.	0 33 mo.	0 22 mo.	0 14 mo.	25	11 0 25

M. Week.	Montreal.		Toronto.		Sun's Declinat.	The Moon.	Calendar, Aspects, &c.
	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	South.	R. & S.	
	h. m.	h. m.	h. m.	h. m.	Deg. Min	h. m.	
1 Wed.	7 26	4 12	7 19	4 19	21 51	3 24	The month opens with cold and rain.
2 Thu.	28	12	21	19	22 0	4 30	
3 Fri.	28	12	21	19	22 9	5 37	If wind is N. W. snow.
4 Sat.	29	11	22	18	22 17	5 37	
5 C.	7 30	4 11	7 24	4 18	22 25	4 19.	2nd Sunday in Advent.
6 Mon.	31	11	25	17	22 32	5 12	Blustering winds continue.
7 Tue.	32	11	26	17	22 39	6 10	Concep. of Virgin Mary.
8 Wed.	33	11	27	17	22 45	7 11	
9 Thu.	33	11	28	18	22 51	8 15	Pleasant and dry.
10 Fri.	35	11	28	18	22 57	9 19	Changeable.
11 Sat.	35	11	29	18	23 2	10 21	
12 C.	7 36	4 11	7 30	4 18	23 6	11 25	3rd Sunday in Advent.
13 Mon.	37	11	31	18	23 11	Morn.	High winds this week.
14 Tue.	38	11	32	18	23 14	0 28	
15 Wed.	39	12	32	18	23 18	1 35	Snow.
16 Thu.	39	12	33	19	23 20	2 47	Unpleasant weather.
17 Fri.	40	12	33	19	23 23	4 2	
18 Sat.	41	12	34	20	23 24	5 29	
19 C.	7 42	4 13	7 34	4 20	23 26	Rises.	4th Sunday in Advent.
20 Mon.	42	13	36	20	23 27	4 30	Changeable.
21 Tue.	43	14	36	20	23 27	5 46	St. Thomas.
22 Wed.	43	14	37	21	23 27	7 12	Remember the poor.
23 Thu.	44	15	37	21	23 26	8 33	Real wintry weather.
24 Fri.	44	15	38	22	23 25	9 49	Cold.
25 Sat.	45	16	38	23	23 24	11 1	Christmas Day.
26 C.	7 45	4 16	7 38	4 24	23 22	Morn.	1st Sun. after Christmas.
27 Mon.	45	17	38	24	23 20	0 10	20th St. Stephen, 27th St.
28 Tue.	45	18	39	25	23 17	1 17	Holy Innocents. [John.
29 Wed.	45	18	39	25	23 13	2 22	The year ends with cold.
30 Thu.	47	19	39	25	23 10	3 29	Hard frost unless the wind is S. or W.
31 Fri.	46	20	39	27	23 5	4 35	

**DECEMBER.**—The farmer who thinks he has nothing to do this month is not very wise. By careful and prudent foresight he may lay the foundations of future prosperity. Of all men the farmer ought to be intelligent, and he cannot become so accidentally. He must read and think as well as other men. We advise the selection of good books of agricultural and general literature and the apportionment of some time to careful study. The days are short for getting out rails, fire wood and repairing tools. The nights are long. Let both be well and usefully employed. Do right, and go a head.

day. [1858.]

MEMORANDUM FOR DECEMBER.

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## NEW PLANETS DISCOVERED IN 1858.

The number of planetary bodies belonging to the solar system has been increased during the past year, by the discovery of five New asteroids. The whole number of the asteroids at the present date is forty-two.

The thirty-eight asteroid, appearing as a star of the tenth magnitude, was discovered by M. Chacornac, at Paris, on the 12th of January. It has received the name of *Leda*.

In announcing this discovery to the French Academy, M. Leverrier remarked that he was now convinced that a large number of small planets exist between Mars and Jupiter, and that before 1860, probably as many as a hundred will have been detected.

On the 8th of February, M. Chacornac also discovered the thirty-ninth asteroid, which appears as a star of the ninth magnitude, and has been called *Latitia*.

On the 31st of March, M. Goldschmidt, at Paris, discovered the fortieth asteroid, *Harmonia*. It appears as a star of the 9-10th magnitude.

On the 22nd of May, M. Goldschmidt discovered the forty-first asteroid, *Daphne*, appearing as a star of the 11-12th magnitude.

On the 23rd of May, the forty-second asteroid *Isis*, was discovered by Mr. Poyson, of the Radcliffe Observatory, Oxford, England. It was then rather brighter than a star of the tenth magnitude.

## CANADA.

## THE GOVERNOR GENERAL.

## AIDES-DE-CAMP, &amp;c.

SIR EDMUND WALKER HEAD, BART., Governor General of British North America, and Captain General and Governor-in-Chief of the Provinces of Canada, New Brunswick, Nova Scotia, and the Island of Prince Edward, &c., &c.

R. T. Pennefather, Governor General's Secretary.

Lieut. Retallick, 16th Regiment, Military Secretary and Aide-de-Camp.

Colonel Irvine, Provincial Aide-de-Camp.

Lieut. Col. Duchesnay, extra Provincial Aide-de-Camp.

## EXECUTIVE COUNCIL.

*President of the Council*—Hon. P. M. Vankoughnet.

*Receiver General*—Hon. Jos. C. Morrison.

*Attorney General East*—Hon. G. E. Cartier.

*Speaker Legislative Council*—Hon. E. P. Taché.

*Inspector General*—Hon. W. Cayley.

*Attorney General West*—Hon. J. A. McDonald.

*Postmaster General*—Hon. Robert Spence.

*Commissioner of Crown Lands*—Hon. E. P. Taché.

*Commissioner of Public Works*—Hon. F. Lemieux.

*Provincial Secretary*—Hon. T. L. Terrill.

## OFFICERS.

William H. Lee, Clerk, Executive Council; William A. Himsforth, Confidential Clerk; M. A. Higgins, F. Vallerand, Oliver Coté, Thomas Burns, F. H. Himsworths and Henry Alexander, Clerks; Michael Naughton, Door-keeper; James Ryan and Charles Baker, Messengers.

**INDIAN DEPARTMENT.**—The Governor General's Secretary, Superintendent General of Indian affairs; S. Y. Chesley, Accountant; Michael Turner, Chief Clerk; T. G. Anderson, D. C. Napier, Froom Talfourd and G. Ironside, Visiting Superintendents; D. Thorburn, do. and Special Commissioner; Francis Assekinach, Interpreter.

**GEOLOGICAL SURVEY.**—Sir Wm. E. Logan, Provincial Geologist; A. Murray, Asst. do.; T. S. Hunt, Chemist and Mineralogist; E. Billings, Patæontologist.

## EDUCATIONAL DEPARTMENT

*Lower Canada.*—Old Government House—Hon. P. J. O. Chauveau, Superintendent; Louis Giard, Secretary; Joseph Lenoir, French Corresponding Clerk and Librarian; John Radiger, English Corresponding Clerk; Alexander de Lusignan, Clerk of Statistics and Accountant; Jacques Laparre, First Copying Clerk and Storekeeper; Jean Baptiste Lenoir, Second Copying Clerk; Paul Blouin, Messenger.

*Catholic Board of Examiners.*—Rev. L. V. L. Villeneuve, Rev. A. F. Truteau, William Doran, P. P. Denis, Jacques Viger, P. Garnot; F. X. Valade, Secretary.

*Protestant Board of Examiners.*—Rev. D. Fraser, Rev. Dr. Wilkes, Rev. Canon Leach, D.C.L., L.L.D., Rev. J. Flanagan, W. Lunn, A. N. Rennie, Secretary.

**CROWN LANDS DEPARTMENT.**—*Officers.*—Andrew Russell, Assistant Commissioner; Joseph Bouchette, Deputy Surveyor General; William Ford, Accountant.

*Surveyors and Draftsmen.*—E. T. Fletcher, Surveyor and Draftsman; Thos. Diviné, ditto; G. G. Dunlevie, ditto; J. W. Bridgland, ditto; J. F. Bouchette, Draftsman; S. P. Beauset, ditto; F. A. Tetu, ditto.

*Land Sales Branch.*—W. Spraggs, Superintendent.

*Woods and Forest Branch.*—William McD. Dawson Superintendent.

*Clerks 1st Class.*—Thomas Hector, H. J. Jones, J. C. Tarbutt, W. F. Collins, F. T. Judah, E. A. Genereux, F. T. Roche, J. Alley, J. Morphy, C. T. Walcot, J. Tolmier, T. Hammond, F. A. Hall.

*Second Class.*—W. F. Whitcher, P. M. Partridge, V. E. Tessier, J. T. Cherrier, A. Kirkwood, A. J. Taylor, F. D. Dugal, L. R. Fortier, F. Chessé, L. A. Robitaille, C. Gamon, D. A. Grant, J. V. Gale, J. J. Prendergast, F. Bainster, A. A. VanFelson.

*Third class.*—P. Derbyshire, J. Innes.

*Messengers.*—J. Bradshaw, G. Fisher, E. Dumontier.

## CROWN TIMBER AGENTS.

Barrie.....	A. W. Powell.
Belleville.....	{ J. Fraser Way.
	{ Mark Devlin, Assist.
Carleton Bay (Chaleur).....	J. N. Verge.
Chicoutimi.....	George Duberger.
Montreal.....	Charles E. Belle.

Ottawa .....	{ A. J. Russell. Ed. Mâsse, Assist. J.R. McVicar, Clerk. McLean Stewart.
Quebec .....	{ J.M. Bonacina, Asst.
St. Charles, R. B. ....	S. V. Larue.
St. Hyacinthe .....	Gerard J. Nagle.
Saugeen .....	N. Hammond.
Three Rivers .....	Oliver Wells.
Trois Pistoles .....	Charles T. Dubé.

## PERMANENT OFFICERS LEGISLATIVE ASSEMBLY.

*Chief Department.*—W. B. Lindsay, Clerk; W. B. Lindsay, Jr., Clerk Assistant; W. Ross, Deputy do; Thomas Vaux, Accountant; Charles Langevin, Assistant do.

*Law Department.*—G. W. Wickstead, Law Clerk.

*General Department.*—W. P. Patrick, Chief Office Clerk; Henry Hartney, Asst. do.; W. Spink, Clerk of Routine and Records; H. B. Stuart, English Writing Clerk; E. Denechaud, French do.; Aug. Laperrière, Assist. French do.; W. B. Ross, H. Poetter, Pierre Rivet, A. G. D. Taylor, H. McCarthy, and J. F. Gingras, Junior Clerks.

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

*Private Bill Office.*—Alfred Todd, Clerk of Private Bills; Thadæus Patrick, Assistant ditto and Clerk of Railroad Committee.

*Translators.*—D. P. Myrand, Chief French Translator; William Fanning, E. P. Dorion, A. Desilets and T. G. Coursolles, Assistant French Translators; F. H. Badgley English Translator; Wm. Wilson, Assistant English Translator.

*Journal Department.*—G. M. Muir, Clerk of English Journal; P. E. Gagnon, Clerk of French Journal; W. H. LeMoine, Assist. Clerk of French ditto; W. C. Burrage, Assistant Clerk of English ditto.

*Library Department.*—Alpheus Todd, Librarian; A. G. Lajoie, Assistant ditto; J. Curran, Library Keeper.

*Sergeant-at-Arms Department.*—D. W. Macdonnell, Sergeant-at-Arms; A. L. Cardinal, Chief Messenger; M. McCarthy & O. Vincent, Assistants do; J. O'Connor, Door Keeper; Robert Bailie, Assist. do.; R. Defries, Postmaster; Joseph Blais, Assist. do.; P. Laliberté, J. Lemonde, Edward Pelletier and William Graham, Messengers.

## PERMANENT OFFICERS LEGISLATIVE COUNCIL.

J. F. Taylor, Clerk of the House & Master in Chancery, Robert LeMoine Deputy and Assistant Clerk, Master in Chancery and French Translator.

Fennings Taylor, Deputy and Assistant Clerk, Master in Chancery and Chief Office Clerk.

E. L. Montizambert, Law Clerk, Clerk of Committees and English Translator.

J. E. Doucet, Additional Assistant Clerk and Assistant French Translator.

W. A. Maingy, Additional ditto and 2nd Office Clerk.

James Adamson, Clerk of English Journals.

J. G. Couillard, Clerk of French Journals.  
 George DeBlaquière, Junior Clerk.  
 René Kimber, Gentleman Usher of the Black Rod.  
 Olivier Vallerand, Sergeant-at-Arms.  
 Rev. Dr. Adamson, D.C.L., Chaplain and Librarian.  
 Edward Botterel, Door Keeper.  
 Michael Keating, Chief Messenger and Housekeeper.  
 Samuel Skinner, Messenger and Assist. Housekeeper.  
 A. Lachance, T. Neary, J. Doherty, J. Hanley, J. Young, P. Dunne, F. Boulet and J. Casault, Messengers.

## CIVIL.

CIVIL SECRETARY'S OFFICE.—R. T. Pennefather Secretary; H. Cotton, Chief Clerk; W. R. Bartlett, Second Clerk; P. S. Hill, Office Keeper; G. Boxall, Messenger.

PROVINCIAL SECRETARY'S OFFICE.—Hon. T. L. Terrill, Provincial Secretary; Etienne Parent, Assistant Secretary East; E. A. Meredith, Assistant Secretary West; T. D. Harington, Chief Clerk.

*Eastern Branch.*—T. Ross, H. Jarmy, W. H. Jones, A. R. Roche, S. Tetu and G. S. Bertrand, Clerks

*Western Branch.*—Grant Powell, H. E. Steele and Charles J. Birch, Clerks.

J. Gow, Office Keeper; J. Dorr and J. N. Fradet, Messengers.

PROVINCIAL REGISTRAR'S OFFICE.—Hon. T. L. Terrill, Registrar; Thomas Amiot, Deputy Provincial ditto; W. Kent, First Clerk; G. H. Lane, Second Clerk; A. Bélanger, Assistant Clerk; J. A. Bélanger, Extra Clerk; Maxime Valequette, Messenger.

RECEIVER GENERAL'S OFFICE.—Hon. J. C. Morrison, Receiver General; C. E. Anderson, Deputy ditto; T. Dufort, J. B. Stanton, G. C. Reiffeinstein, W. Hedge, J. F. Pellant, L. F. Dufresne, F. Braun, C. W. Shay and D. V. Fisher, Clerks; F. L. Casault, Messenger; J. McCaffrey, Assistant Messenger.

INSPECTOR GENERAL'S OFFICE.—Hon. W. Cayley, Inspector General; Joseph Cary, Deputy ditto; W. Dickinson, Acting Deputy ditto; David A. Ross, Chief Clerk; Norris Godard, First Book Keeper; J. Drysdale, 2nd ditto; Archibald Cary, F. G. Scott, Geo. A. Barber, Jr., J. S. Lee and John R. Nash, Clerks; D. Ryan, Messenger.

*Customs Department.*—R. S. M. Bouchette, Commissioner; T. Worthington, Inspector of Ports for U. C.; Mathew Ryan, do. for L. C.; J. W. Peachy, J. R. Audy, H. H. Duffil, Thomas P. Roberts, J. M. Muckle, D. L. O'Brien and Percival Sheppard, Clerks; J. Walls, Messenger.

*Audit Branch.*—John Langton, Auditor; Thomas Cruse, Book Keeper; Charles Cambie, Registrar of Free Banks; Christopher Green, James Patterson, J. A. Kavanagh and E. C. Barber, Clerks.

## MILITARY.

Lieut.-General Sir Wm. Eyre, K.C.B., Commander of the Forces.

Lieut.-Colonel Thackwell, 22nd Foot, Military Secretary.

Major Robertson, 4th Foot, and Lieut. A. G. F. Griffiths, 63rd Foot, Aides-de-Camp.

MILITARY SECRETARY'S DEPARTMENT.—Lieut.-Colonel Thackwell, 22nd Foot, Military Secretary; Captain A. Bulger, 1st Clerk; P. Lawler, J. R. Spong, R. G. Grieg, Clerks.



**ADJUTANT GENERAL'S DEPARTMENT.**—Lieut.-Colonel the Honorable R. Rollo, Assistant Adjutant General; Ens. C. Macdonald, Town Major; W. Wright, 1st Clerk; P. Walsh, and G. Frauckum, Clerks; J. Dillon, Town Major's Clerk; W. Rowan, Town Sergeant.

**QUARTERMASTER GENERAL'S DEPARTMENT.**—Lt. Colonel Holdsworth, Deputy Quarter-master General; N. Hughes, 1st Clerk; E. Roe and A. Mitchell, Clerks.

**WAR DEPARTMENT.**—Colonel Ord, Royal Engineers; Colonel Bell, Royal Artillery; A. Gun, Military Storekeeper; respective Officers.

*Storekeeper's Department*—Alex. Gun, Esq. Storekeeper; J. J. Greig, 1st Clerk; E. Wilgress, G. Wilgress, and Edward Catell, Clerks.

J. Greig, (Acting) Barrack Master.

#### HEAD QUARTERS ROYAL ENGINEER OFFICE.

*Montreal.*—Commanding Royal Engineer, Canada, Colonel W. R. Ord; Assistant Com. Royal Engineer, T. L. Gallwey; Draftsman, R. J. Pilkington; Surveyor and Draftsman, C. Walkem; Senior Clerk, James Kerr; Clerk, John Gardiner; Foreman of Works, J. Collard; Office Keeper, J. Robertson.

*District Branch.*—Commanding R. E., Captain Chas. Fanshawe; Assistant ditto, Lieut. Garnier, R. E.; Clerk of Works, E. C. Osborn; Clerk, William Clegg; Office Keeper, John Conroy.

*Quebec.*—Lieut.-Colonel Hadden, District Com. Royal Engineer, Canada East; Lieutenant C. A. de Montmorency; Clerk of Works, William Haddon; Foremen of Works, W. Chessel and John Grist; Clerks, J. H. Oakes, and G. H. Peake.

**COMMISSARIAT DEPARTMENT.**—Deputy Commissary General, C. A. Clarke.

*Montreal.*—Assistant Commissary General, Alfred Salwey; Deputy Assistant Commissary General, A. Turner; Clerks, W. Ogilvy and R. L. Mathews; Assistant ditto, C. Woodley, A. W. Bell, John Ballard, and W. Palmer.

*St. Johns.*—Commissary Clerk, H. B. Middleton.

*Quebec.*—Assistant Commissary General, T. W. Goldie; Deputy Assistant Commissary General, M. B. Irvine; Clerk, R. G. Hunter; Assistant ditto, T. Dickenson.

*Kingston.*—Assistant Commissary General, W. Stanton.

*Toronto.*—Assistant Commissary General, J. K. Goold; Clerk, A. Haliburton.

## COUNTY REGISTRARS.

### DISTRICT OF MONTREAL.

COUNTIES.	REGISTRARS.	OFFICES.
Beauharnois.....	V. A. Lemoine de Martigny.	St. Clément Beauhar.
Chateauguay.....		Durham, Ormstown.
Berthier.....	Jean B. Chalut.....	Berthier en haut.
Chambly.....	Thomas Austin.....	Chambly.
St. Johns.....	Louis Marchand.....	St. Johns.

COUNTIES.	REGISTRARS.	OFFICE.
Huntingdon, Div. No. 1.	T. Sauvageau	Laprairie.
" " No. 2.	Ephraim Bouchard	Napierville.
Leinster	Marcel Poirier	L'Assomption.
Montreal and.....	George H. Ryland	Montreal.
Isle Bizard	W. N. Ryland, Dy. R.	"
Missisquoi	Richard Dickinson	Frelighsburgh.
Richelieu	P. R. Chevalier	St. Ours.
Rouville	François F. Hamel	St. Athanase.
St. Hyacinthe	Horace St. Germain	St. Hyacinthe.
Shefford	Hiram S. Foster	Frost Village, Shefford.
Two Mountains	Daniel De Hertel	Argenteuil.
Terrebonne	Joseph Lachaine	Ste. Thérèse.
Vaudreuil		Vaudreuil.
Verchères	Félix Geoffrion	Verchères.
Soulanges	George H. Dumesnil	Côteau du Lac.

DISTRICT OF QUEBEC.

COUNTIES.	REGISTRARS.	OFFICE.
Bellechasse	P. Forgnés	St. Michel.
Dorchester, Div. No. 1.	R. A. Fortier	Ste. Marie.
" " No. 2.	F. M. Guay	Pointe Levi.
L'Islet	J. D. Lepine	L'Islet.
Lotbinière	R. S. Noel	Ste. Croix.
Montmorency	L. C. Lefrançois	Château Richer.
Orléans	P. Gosselin	Laurent, Isle d'Orléans.
Megantic, Div. No. 1.	J. R. Lambey	Lepds.
" " No. 2.	J. L. Proulx	Tring.
Portneuf	R. Lelièvre	Cap Santé.
Quebec	C. N. Montzambert	Quebec.
Seguenay, Div. No. 1.	C. Duberger	Eboulements.
" " No. 2.	Ovide Bossé	Chicoutimi.

COURTS OF JUSTICE.

Under the New Judicature Act, 12 Vic. caps. 37 & 38.

COURT OF QUEEN'S BENCH.

Hon. Sir. L. H. Lafontaine, Bart., Chief Justice.  
 " Thomas C. Aylwin, }  
 " Jean H. Duval, } Puisné Judges.  
 " René E. Caron. }

COURTS IN APPEAL AND ERROR.

Terms—Montreal—1st to 12th March and 1st to 12th October.  
 Quebec—7th to 8th January and 1st to 12th July. J. U. Beaudry,  
 Clerk and Law Reporter.

## COURT OF CRIMINAL JURISDICTION.

Terms—Montreal—14th March and 14th October.

Quebec—20th January and 14th July.

Three-Rivers—2nd February and 11th September.

Sherbrooke—12th February and 1st September.

Kamouraska—5th April and 5th November.

Terms to continue till the business is closed. Extraordinary terms may be held by proclamation.

## SUPERIOR COURT FOR LOWER CANADA.

*Jurisdiction in suits over £15.*

Honorable Edward Bowen, Chief Justice.

## PUISNE JUDGES.

Hon. Dominique Mondelet,	Hon. Edward Short,
“ Charles Dewey Day,	“ Auguste N. Morin,
“ James Smith,	“ William Badgley,
“ C. J. E. Mondelet,	“ Jean Chabot.
“ Wm. C. Meredith.	

Terms—Montreal—17th to 27th, both days included, of each month, except January, July and August.

Quebec—1st to 5th, both days included, February, March, April, May, Sept., Oct., and Dec., and from 20th to 25th of June and November.

Three-Rivers—12th to 25th February, 1st to 14th June and November.

Kamouraska—26th March to 4th April, and 26th October to 4th

November.

Sherbrooke—(District of St. Francis)—20th to 31st January, and 16th to 27th July.

Percé—(District of Gaspé)—21st to 30th August, New Carlisle—4th

to 13th September. The sittings at the two places forming only

one term.

## DISTRICT OF MONTREAL.

John Boston, Sheriff; Myron H. Sanborn, Deputy Sheriff; S.W. Monk, W. C. H. Coffin and L. J. A. Papineau, Prothonotary; John Honey, Deputy Prothonotary; J. Jones, Coroner; A. M. Delisle and W. B. Brehaut, Clerk of the Crown; Charles E. Schiller, Deputy Clerk of the Crown; H. Bernard, Translator and Interpreter; G. Stanley, Crier; Thomas McGinn Gaoier; B. Delisle, High-Constable.

## DISTRICT OF QUEBEC.

William S. Sewell, Sheriff, E. Burroughs and I. Fiset, Prothonotary; J. Green, Clerk of the Crown; J. A. Panet, Coroner.

## DISTRICT OF THREE RIVERS.

I. G. Ogden, Sheriff; E. Barnard, Prothonotary and Clerk of the Crown; N. A. Duberger, Deputy Clerk of the Crown; V. Guillel, Coroner; P. Burns, High Constable.

## DISTRICT OF ST. FRANCIS.

F. G. Bowen, Sheriff; John Short, Prothonotary and Clerk of the Crown; C. A. G. DeTonnancour, Coroner.

DISTRICT OF GASPE.

M. Sheppard, Sheriff; J. Wilkie and P. Winter, Clerk of the Crown and Prothonotary; W. Tilly, Coroner for Gaspé; W. Filton, Coroner for Bonaventure.

DISTRICT OF OTTAWA.

Hon. W. K. McCord, Justice; A. Lafontaine, Prothonotary; L. M. Coutlee, Sheriff.

CIRCUIT COURTS.

*Jurisdiction in suits up to £15.*

JUDGES.

S. G. Thompson, Esq.	John S. McCord, Esq.	J. F. DeBlois, Esq.
Hypolite Guy, Esq.	J. C. Bruneau, Esq.	David Roy, Esq.
William Power, Esq.	A. Taschereau, Esq.	Wm. K. McCord, Esq.

CLERKS.

	Montreal Circuit.....	{ S. W. Monk, W. C. H. Coffin, L. J. A. Papineau,
	“ “ Deputy Clerk.....	George Pyke,
1st ex-	Berthier “ .....	F. X. Bender,
	L'Assomption Circuit.....	L. DeLorimier,
May,	Terrebonne “ .....	L. Lepage,
number,	Two Mountains “ .....	F. H. Lemaire,
number,	Argenteuil “ .....	{ O. Bastien,
3 4th	Vaudreuil “ .....	{
	Soulanges “ .....	Louis Beaudry,
16th	Beauharnois “ .....	{ F. H. Marchand,
	Huntingdon “ .....	Peter Cowan,
—4th	St. Johns “ .....	Louis Delorme,
only	Mississquoi “ .....	Y. R. Chevalier,
	St. Hyacinthe “ .....	{ Edward Bernard,
	Richelieu “ .....	{ J. Short and L. Morris,
Ionk,	Three Rivers “ .....	{ Edw. Burroughs and
one,	Sherbrooke “ .....	{ L. Fiset.
N. B.	Quebec “ .....	{ A. Lafontaine.
of the	Ottawa “ .....	{
rier		

TERMS.

Montreal Circuit, in the City of Montreal—From the 10th to the 15th of each month, except January, July and August.  
 Berthier Circuit, in the Parish of Berthier—21st to 30th January, May and September.  
 L'Assomption Circuit, in the Parish of St. Pierre de L'Assomption—1st to 10th March, July and November.  
 Terrebonne Circuit, in the Parish of St. Louis de Terrebonne—12th to 21st March, July and November.  
 Two Mountains Circuit, in the Parish of St. Benoit—7th to 11th January, May and September.

- Argenteuil Circuit, at Lachute—12th to 16th January, May and Sept.  
 Vaudreuil Circuit, in the Parish of St. Michel de Vaudreuil—1st to 5th  
 March, July and November.  
 Soulanges Circuit, at Côteau Landing—6th to 10th March, July and  
 November.  
 Beauharnois Circuit, in the Parish of Ste. Martine—13th to 16th March,  
 July and November.  
 Huntingdon Circuit, at the Village of Huntingdon—6th to 10th March,  
 July and November.  
 St. Johns Circuit, in the Parish of St. John the Evangelist—10th to 19th  
 February, June and October.  
 Missisquoi Circuit, at Nelsonville, in the Township of Dunham—21st to  
 29th February, and 21st to 30th June and October.  
 St. Hyacinthe Circuit—10th to 19th February, June and October.  
 Richelieu Circuit, in the Parish of St. Ours—21st to 29th February, and  
 21st to 30th June and October.

## DISTRICT OF OTTAWA.

Ottawa Circuit, at the Village of Aylmer—20th to 25th January, May  
 and September.

## DISTRICT OF THREE RIVERS.

Three Rivers Circuit, at the town of Three Rivers—On the last six  
 Juridical days of the months of March, May, June, September,  
 November, and December.

## DISTRICT OF ST. FRANCIS.

- Sherbrooke Circuit, at the Town of Sherbrooke—On the last five Juri-  
 dical days of February, April, June, September, November and Dec.  
 Richmond Circuit, at the Village of Richmond, in the Township of Ship-  
 ton—12th to 16th January, 13th to 16th May, 11th to 15th Sept.,  
 and 13th to 17th November.  
 Stanstead Circuit, at Stanstead Plains, in the Township of Stanstead—  
 The first four days of the months of January, May, Sept. and Nov.  
 Quebec Circuit, at the City of Quebec, from 20th to 25th (both days  
 included) of each month, except July and August.

\* \* \*—Every day not a Sunday or Holyday is a Juridical day.

## GENERAL QUARTER SESSIONS OF THE PEACE.

A. M. Delisle and W. H. Brehaut, Clerk of the Peace; C. E. Schiller,  
 Deputy Clerk of the Peace; L. D. René Cotret, and Alfred C. Harvey,  
 Clerks.

*Terms*—Montreal—8th January, 4th April, 4th July, and 4th October.  
 Quebec—8th January, 4th April, 4th July, and 4th October.  
 Three Rivers—8th January, 4th April, 4th July, and 4th  
 October.

Sherbrooke—1st February and 1st October.

Kamouraska—7th to 16th January and 15th to 24th July.

Quebec—Clerk of the Peace and Clerk of the Crown:

James Green and P. Antoine Doucet, Inspector and Superintendent  
 of Police, John Maguire; Chief Constable, Robert Henry Russell.

## LAW COURTS OF UPPER CANADA.

**COURT OF ERROR AND APPEAL.**—This Court is composed of the Judges of the Superior Courts of Law and Equity, and the Hon. Jas. Macaulay, late chief Justice of the Court of Common Pleas, and has jurisdiction in Appeal from the Courts of Chancery, Queen's Bench and Common Pleas. It sits three times a year, namely, on the second Thursday after each Term, except Trinity Term.

Clerk—The Registrar of the Court of Chancery, Toronto.

**COURT OF CHANCERY.**—Hon. W. H. Blake, chancellor; Hon. J. C. P. Esten and Hon. J. G. Spragge, vice-chancellors; A. N. Buell, master, Alexander Grant, registrar and reporter.

Terms for examination of witnesses commence on the second Tuesday in February and May, last Tuesday in August, and second Tuesday in November, and end on the Saturday of the following weeks.

Terms for hearing Causes commence on the second Tuesday in March, June, September and December, and end on the Saturday of the following week.

A weekly sitting on every Monday is held throughout the year (except during the regular vacations), for the purposes of hearing motions for Decrees and motions for or to dissolve special Injunctions, and appeals from the reports of the Master or any Deputy Master.

One of the Judges sits in Chambers every day, (except during the regular vacations,) for the purposes of hearing sundry applications.

**COURT OF QUEEN'S BENCH.**—Hon. Sir J. B. Robinson, Bart., chief justice; Hon. Archibald McLean and Hon. R. E. Burns, puisne judges; C. C. Small, clerk of the Crown and pleas; J. Lukin Robinson, reporter; Robert Pearson, clerk of the process; W. B. Heward, clerk in Banc. and chambers; W. B. Heward, clerk in practice court.

This Court sits in Banc. during the four Terms, in Osgoode Hall.

**COURT OF COMMON PLEAS.**—Hon. W. H. Draper, C. B., chief justice; Hon. W. B. Richards and Hon. J. H. Hagarty, puisne judges; L. Heyden, clerk of the Crown and pleas; E. C. Jones, reporter.

The Court of Common Pleas, established by the 12 Vic. cap. 63, consists of three Judges, who sit in Term in the same manner as the Judges of the Queen's Bench.

### LAW TERMS

**QUEEN'S BENCH AND COMMON PLEAS.**—Hilary Term begins on the first Monday in February. Easter Term begins on the third Monday in May. Trinity Term begins on the Monday next after the 21st of August. Michaelmas Term begins on the third Monday in November. And each term ends on the Saturday of the ensuing week.

From the 1st July to the 21st August is vacation in all the Courts.

Circuits are held twice a year in each County, viz.: The Spring Circuit between Hilary and Easter Terms. The Autumn Circuit between Trinity and Michaelmas Terms.

In the County of York, however, there are three Circuits every year, viz.: The Winter, commencing on the Thursday in January next after the Municipal Elections. The Spring, on the second Monday in April, and the Autumn, on the second Monday in October.

There are six Circuits, viz.: The Eastern, held at Brockville, Perth, Ottawa, L'Orignal and Cornwall; the Midland, held at Picton, Belleville, Cobourg, Peterborough, Whitby and Kingston; the Home, held at Owen Sound, Hamilton, Niagara, Merrittsville, Milton and Barrie; the Oxford, held at Guelph, Berlin, Stratford, Cayuga, Woodstock, Brantford and Simcoe; the Western, held at Goderich, London, St. Thomas, Chatham, Sandwich and Sarnia; the Toronto or Home Sitings, at Toronto.

COURT OF PROBATE.—The Governor General, judge (ex-officio); Secker Brough, Toronto, official principal; C. FitzGibbon, Toronto, registrar.

## POST OFFICE DEPARTMENT.

HON. ROBERT SPENCE, Post Master General.

*Secretary's Office.*—W. H. Griffin, Secretary; Edwin F. King, Chief Clerk; C. R. Griffin, First Clerk; H. S. Weatherly, Second Clerk; William G. Sheppard, Third Clerk; John Ashworth, Cashier.

*Accountant's Office.*—E. J. King, Accountant; Robert Julian, E. C. Hayden, D. M. Wright, R. Oliver, D. Lawson, Senior Clerks; J. Audette, C. Mackenzie, C. Stewart, Junior Clerks.

*Dead Letter Office.*—J. T. McCuaig, Inspector; J. McDonagh, Clerk.

*Money Order Branch.*—P. Lesueur, Superintendent; W. White, P. Holt, G. Mason, Clerks.

*Inspector's Branch.*—E. S. Freer, Montreal Division,—Office in Montreal.

H. A. Wickstead, Kingston Division—Office in Kingston.

John Dewe, Toronto Division—Office in Toronto.

G. E. Griffin, London Division—Office in London.

### Office Hours.

IN SUMMER—From Eight a. m. to Seven p. m.

IN WINTER—From Eight a. m. to Six p. m.

ON SUNDAYS—From Eight to Ten a. m.

### Regulations and Rates.

#### Letters.

All Letters transmitted by the Post in Canada, with the exception of Packet Letters to and from the United Kingdom, are liable to a uniform rate of *Three Pence* currency per half-ounce, for whatever distance conveyed—pre-payment is optional—the charge increasing according to the weight of the letter, one single rate for every additional half-ounce, counting the fraction of a half ounce as a full rate, thus:

Not exceeding $\frac{1}{2}$ ounce.....	3d. Postage.
More than $\frac{1}{2}$ oz and not exceeding.....	1 oz, 6d do
Ditto 1 oz ditto .....	1 $\frac{1}{2}$ oz, 9d do
Ditto 1 $\frac{1}{2}$ oz ditto .....	2 oz, 1s do
Ditto 2 oz ditto .....	2 $\frac{1}{2}$ oz, 1s 3d do

The single Packet rate for Letters by the Atlantic Steam Packet Mails to and from England, *via* the United States, is 8d sterling, 10d currency, by British Boston Packets, and 1s 2d sterling, equal to 1s 4d currency, when sent by United States Government Packets *via* New York,—the rate on Letters by those Mails, *via* Halifax or *via* Canadian Mail Steamers, is 6d sterling, 7  $\frac{1}{2}$ d. currency.

Letters addressed to New Brunswick, Nova Scotia or Prince Edward's Island, are rated with the uniform rate of 3d per half-ounce.

Letters for Newfoundland, Bermuda and the West Indies, addressed over land *via* Halifax, are rated 7  $\frac{1}{2}$ d. currency per half-ounce.

Pre-Payment to any of the forgoing places optional.

Persons posting Letters containing valuable enclosures—of whatever description—are requested to observe that no record will be taken by the Post Office of any Letter unless specially handed in for Registration at the time of posting, with payment of 1d. as the Registration charge, excepting United States Letters, which must be pre-paid and 3d. for Registration. A Certificate of such Registration will be granted if required.

The Canada Postage Stamps, when used, will be taken in the United States as evidence of pre-payment of Postage on Letters going from Canada to the United States, and in like manner the United States Postage-Stamps on Letters coming into Canada are to be taken by Post Masters in this Province as evidence of pre-payment having been made in the United States.

Stamps for the pre-payment of Postage can be purchased from Post Masters at chief offices.

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## THE FARMER.

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### HEALTHINESS OF FARMING.

Agriculture, from the constant and regular employment it gives, is most conducive to health. The labor it requires is calculated to knit the frame, and give strength and vigor to the muscular system; besides, it is mostly carried on in the open air, which tends to promote a free and generous perspiration, and give tone and elasticity to the body; while many kinds of mechanical and other employments are rendered unhealthy by the constrained position in which they must be performed, and the close confinement which is necessary in carrying them on. It is obvious that mind and body must be exercised together, in order to promote a regular and healthy growth in both. Man is naturally indolent, and loves his ease; and, were it not for the strong hand of necessity, he would often become idle, useless, and wicked. The constant and regular employment, therefore, which a farm requires, makes it promotive of good morals; whereas, in other employments, where those engaged are more dependent on others, their labor is more irregular. This often leads them



to spend a portion of their time in idleness, and thus bad habits are contracted, acquaintance is formed with persons of impure morals, and their characters and standing in society are destroyed. This is one among many reasons why persons who live in cities are more liable to become profane, intemperate, and vicious than those who reside in the country. The business of farming is one which renders mankind more or less independent of each other, but impresses their minds deeply with a sense of their dependence on the Divine Providence; for they know that they may cultivate his land in the best possible manner, and plant it with the best of seed; yet, unless God gives a favorable season, they can raise no crop. They constantly realize the truth of the holy oracle, that "Paul may plant, and Apollos water, but God giveth the increase." There is no employment that leads a man to reflect so much upon the character and works of God as farming, and, consequently, none is so conducive to morality and the practice of virtuous principles.

#### PROFITS OF FARMING.

Although farming does not lead to the rapid accumulation of wealth, yet it yields a competence to the industrious and frugal, and is the most independent calling in life. The items of profit, though apparently small in themselves, amount, when those of the year are added together, to no inconsiderable sum. And a farmer's expenditures in money being less than is required by other kinds of business—nearly every article for the support of his family being raised on his farm—his balance-sheet shows a healthy and thriving business at the close of the year. Commerce and manufactures are the bases of large cities, and the sources of rapid accumulation of wealth, the legitimate products of which are luxury and excess. These crept into the Roman Republic, and undermined the very foundations on which it was established—industry, morality, and virtue. Licentiousness and vice of every kind followed in their turn, corrupting the better portion of her people, and in due time did their work of destruction. Thus terminated the existence of one of the most magnificent political structures of which the old world could boast.

#### FRUITS.

The greatest error in country life is the *putting off* system of planting—the hurry of spring days delays it till the fall. *Time* never procrastinates; and, when the season is again at hand, the same delay and apology are again employed. We put it off till another year, which soon rolls round, and we again use another subterfuge, and pass it off because we cannot get or purchase trees with the fruit hanging ripe and luscious. Plant now the best you can get; and, if you cannot beg or buy trees, sow and plant seeds; if there is no orchard room, plant along every fence apples and grape-vines alternately, twenty feet from plant to plant; use the best soil you have or can procure; dig the holes eighteen inches deep, and three to five feet wide; spread, after planting, a few forkfuls of manure or litter over the surface round the tree—it is both a protector in dry weather and a nourisher in growth. A handful of guano, mixed with a shovelfull of leached wood ashes, spread over the surface, under the litter, is very stimulating. Plant pear-trees in or adjoining the garden, or prepare a small orchard for them. Plant fruit-trees, and you will have a great chance of reaping the harvest. Cover the bars with grape-vines and apricots; surround the pig-pen with plum-trees,

and plant the cherry-trees on a dry, deep soil; select early and late sorts, which gives a longer period of *pie-time*. Plant strawberries in rich, deep soil, well manured, alternately one foot and two feet from row to row, giving a space to walk amongst and dress them when required; nine inches from plant to plant in the row will do; plant for the first season a row of cabbages in the wide spaces.

If you have old apple or pear-trees of worthless sorts, thin out the old spray-wood and small shoots, and graft on fine sorts; a good kind requires no more care nor culture than a crab-apple or choke pear, with the difference of four hundred per cent. in your favor. Graft plums and bud cherries.

#### VALUE OF INDIAN CORN.

This grain has properties for fattening cattle, swine, and sheep, as well as fowls, which no other grain possesses. It is fitted, when properly used, to supply the principal wants of the domestic animals. There is no grain possessing so large a per centage of oil, which is readily converted into animal oil, or fat. This is only done by a slight change of composition: a fact clearly illustrated by the distillers of different kinds of grain. It is an admitted fact, by all who have had experience in the fattening of cattle and swine on still slop, that they fatten much faster while fed on the slop made of corn, than they do on that made from any other grain. Corn possesses a superior quality over other grain, from the fact of its being, with natural ease, converted into bone, and the important ligaments which support the physical structure of the animal. While being properly fed on this grain, the oil changes easily into fat, or animal oil, and the flinty portions of the grain are forming bone and muscle, so that each of the two important wants of the animal is with the greatest exactness supplied. The value of the grain, by actual experiment in feeding, clearly shows the worth of the crop to the farmer. The flavor of meat, when fed on corn, is better, and the flesh has more solidity, notwithstanding the large amount of oil it possesses. Probably there is no plant which possesses so much nutriment as the leaf of corn; the main stalk may not possess much nutriment, other than that, when suitably prepared for the animal by being cut or mashed, it serves as a retainer of the more nutritious food.

#### POOR SOIL RENOVATED.

##### DETAILS OF A LADY'S EXPERIENCE.

The spring of 1855 found the grounds around my home a barren, unsightly waste; not a shrub, plant, or flower was to be seen. I planted out shrubs, and put seeds into the ground, which I found to be a stiff clay with no good soil upon the surface. The shrubs, by frequent watering and the aid of the ordinary barn-yard manure, sustained only a breath of vegetable life during the summer. The seeds germinated, peeped out to the light, and then withered away. I was quite discouraged on being told by my husband that nothing would grow here, as this ground was scraped from the hill above it, and that the surface soil was buried five or six feet deep under this cold hard clay, which had scarcely the first principle of vegetable life in it. I was truly in a dilemma, as I could not think of living without flowers and pleasant grounds around my home. I had the grounds laid out in pear and

oval-shaped beds, a portion of this clay scooped out, and then broken up to the depth of one foot, the exact shape of the beds. These I filled with a mixture of equal parts of saw-dust and wood-ashes, (unleached,) and a small portion of sand, with a top dressing of surface soil two inches deep. On the beds I planted the choicest kinds of perpetual and other flowers, thirty varieties in all; most of them were prolific in blossoms. Many other rare exotics bloomed equally well. I used a small quantity of fertilizer from the pig-sty, in the holes where I planted the bushes and shrubs. On the beds of my annuals I omitted this, and used only a top dressing of black mould from the woods, one inch deep. These grounds, that were so arid and desolate the year before, last year were indeed a wilderness of flowers, enjoyed and appreciated by the many who yearly gather here. The pinks, verbenas, balsams, and asters elicited much admiration. Many gentlemen of wealth and taste, who had for years prided themselves upon the growth and beauty of their blooms, and had left nothing untried, guano, etc., to increase their richness in colour, eagerly asked me what foreign substance I used to produce so fine flowers. Common as it might appear, I could only answer, they all grew from the mixture before mentioned. One lady told me she counted seventy-nine varieties in blossom at the same time. Many of the seeds were gathered by patients and visitors, and will, I trust, make other rural homes attractive, which otherwise might be without the balmy influence of flowers.—*American Agriculturist*.

#### TIME OF PRUNING.

There is a diversity of opinion in regard to pruning. As respects apple and cherry, experience teaches me that when blooming or in full flower, the branches, if smoothly cut, heal over perfectly sound. The tree is then in full vigour, and able to protect itself, while the leaves and blossoms shelter the wounds from sun and wind. The objection to winter trimming, especially of large limbs, is that the March winds check the end of the limb from one half to two inches in depth, allowing not only water to stand in the crevices, but also form a reservoir for the rising sap, which, it is well known, becomes a strong acid, producing rapid decay, and cannot easily be arrested until it reaches the root of the tree. Nine-tenths of the old orchards have been ruined in this way.

Most if not all shrubs should be pruned when in the growing state. Shoots or suckers will not put forth as in the case of winter pruning. *American Agriculturist*.

#### CARE OF POULTRY.

No fowls can thrive, nor do themselves justice in meeting the intention of their being kept, unless some small thought and care in providing be had for them. In summer they need a good range, a chance for scratching and burying themselves in the warm sand; and in winter, warm and comfortable shelter from the cold and snow. Nothing is so beneficial to them as cold and wet; and no creatures more quickly and certainly show the good effects of proper protection, comfortable housing, and good food. Give them a warm place, warm food, and enough of it; dry sand to wallow in, and lime cleanings to pick among, that they may not lack the raw material for the egg-shell. An occasional chance at raw meat is good for them.

CLEAN THE BARK OF FRUIT TREES.

The mild days of May and June will answer for this purpose. Apple and pear trees are frequently infested with bark lice of several varieties. A good strong mixture of oil soap, or soft soap and water, well rubbed on with a hand scrubbing brush, is as good as anything else for this purpose. It makes the trees vigorous, and gives them a very healthy appearance. Removing the hard, outside bark from large trees with a garden trowel, and where it too firmly adheres, with a hoe, is also very good.—Ohio Valley Farmer.

VARIOUS FACTS IN TILLAGE.

DEPTH OF SOWING WHEAT.—Wheat may be sowed too shallow as well as too deep. The depth must vary with the nature of the soil. A thinner covering is required in a close heavy soil, than in one light gravelly or sandy. The following experiments were made by Petri, the results of which would vary with the moisture or dryness of the soil. They are given as a specimen of trials of this kind, which if often repeated by farmers, would afford them much valuable information.

Seed sown to a depth of	Appeared above ground in	Number of plants that came up,
1-2 inch .....	11 days.....	7-8ths.
1 " .....	12 " .....	all.
2 " .....	18 " .....	7-8ths.
3 " .....	20 " .....	6-8ths.
4 " .....	21 " .....	1-2.
5 " .....	22 " .....	3-8ths.
6 " .....	23 " .....	1-8th.

GOOD ROTATION.—A successful farmer, who has enriched his farm, while he has enriched himself from it, pursues the following course; First, he takes especial pains with MANURE, wastes none, saves all, mixes well in the yard, (not by forking over, but,) by a proper distribution of straw, stable cleanings, &c. Next, he makes corn his leading crop, as affording both grain and fodder, and as being all returned to the soil, in feeding all to animals, except what is sold in beef, pork, &c. The first year, the corn has all the manure in spring, at about 25 loads per acre. The second year, oats, barley of spring wheat follows. In the autumn, sow winter wheat, which constitutes the third year's crop. This is seeded down to clover, which, (being plastered) constitutes the fourth and fifth year's crop in meadow or pasture.

THE WHEAT CROP IMPROVING.—John Johnston of Geneva, N. Y., is one of the best farmers in the country. He first of all UNDERDRAINS; he then feeds his land well (with manure) and this enables his land to feed his large herds of animals; their manure feeds the land again; and both feed him and fill his pockets. He said, at the close of the year 1856, after all the unusual disasters which had happened to the wheat crop for some years previously, "My own wheat crops for the last eight years, have averaged more than they ever did in the same length of time of thirty-five years." The reason he gives, he has sown no wheat on undrained land—added to the good farming described above.

GRASS LANDS.—No farmer should be satisfied with less than two tons of hay per acre from his meadows, and his pastures should be as good.

There are several means of improving grass lands. If the land is wet, springy, or holds water in the subsoil, it should be drained. This may be easily determined by digging a hole two feet deep in spring of the year, and if underdraining is needed, water will stand in it. We have known meadows greatly improved by draining. Next in order, are manuring and deep plowing, for previous crops. Last, but not least, is heavy seeding. We have succeeded in doubling the product of grass, by quadrupling the seed—and this paid well. We have known five tons of hay per acre, by sowing a bushel of seed per acre.

**HEAVY DIVIDENDS.**—If one of our railroads should be known to pay *thirty per cent.* dividend annually, from its regular earnings, and the stock could be bought at par, what a furious rush would be made for it! Yet there is a way that farmers may invest in stocks at home, on their own lands, that will pay thirty to fifty per cent. yearly. This is in systematic *tile-draining*. We have known many who have tried it, and they generally say that it is paid for by the increased crops in two years. They are *good farmers*, however.

**HEAVY AND LIGHT POTATOES.**—A B. Dickinson states in Moore's Rural New-Yorker, that the *heavier* a potato, the less liable it is to rot, without regard to the age of the variety or its color. He tries their specific gravity by brine, of different degrees of strength, in as many vessels, some sorts of potatoes sinking quickly while others float. The only exception to this rule is the "Irish Cup," a heavy potato, but more liable to disease than any other of its weight.

**PLOWING WET LAND.**—Underdraining is the great cure for the evils of wetness—but when underdraining has not been performed, it is important to know what is next best. Sward ground may be always plowed wetter than any other, without subsequent baking. Other land may be plowed when considerably wet, if it is left to dry before the harrow touches it; indeed it will generally dry more rapidly after plowing than before, if not plowed too wet. Plowing always tends to loosen the earth; and harrowing to render it more compact unless dry enough to crumble. More caution is therefore required not to harrow wet land, than in any other process of cultivation.

**CHEAP FARM-LABORER.**—Farmers find it difficult to get laborers; but there is one chap, who so far as he goes, is an admirable workman, whose services may be had for nothing. This is Jack Frost—who if allowed to operate, will reduce much hard, clayey soil of autumn, into a fine mellow condition by spring, if turned up by the plow for his harrow to pulverize. This tool of his is remarkable for its myriads of fine, needle-like teeth, which enter between the minutest particles and tear them asunder into powder.

**LONG AND SHORT MANURE.**—One great objection to using fresh or unfermented manure, is the difficulty of working its long fibres into the soil, and *mixing it finely with the earth*, a most essential operation. All these difficulties are surmounted, by cutting all the straw used for bedding. It need not be cut very short. If all the corn-stalks fed to cattle were first cut finely with a machine driven by horse power, the animals would eat much more, and there would be none of that peculiarly unmanageable manure occasioned by large corn-stalks. A friend of ours cuts all his stalks with a four horse power—an hour's cutting lasting long time—and finds great profit in it every way.

**VALUE OF STRAW IN MANURES.**—It is found by careful chemical examination, that different kinds of straw possess quite different values, to work up into manure. This relative value is very nearly determined by the quantity of nitrogen they contain. Barley straw is the poorest of all; oat and rye straws are about one-third better; wheat is nearly double in value to barley; buckwheat is rather better than wheat; meadow hay and corn-stalks are far ahead of any of these, being five times as rich in nitrogen as barley straw; and red clover hay and pea-straw are each about eight times as rich as barley. Whether these substances are mixed directly with manure, or eaten first by animals, they produce their relative effects.

**MANURE ENRICHED BY GRAIN.**—Nearly every farmer is aware that the food controls the quality of manure, and that, for instance, dung from horses fed high on oats is quite a different thing from the droppings of grass-fed horses. Some kinds of grain contain more nitrogen than others, and of course impart more fertilizing power to the manure. Barley is the poorest, Indian corn a little better, and oats better than either by about 20 per cent., the three not being very unlike.

**HARROWING INVERTED SOD.**—Farmers often find harrowing inverted sod to tear up the turf, and make grassy tillage. The double Michigan plow is a perfect cure, but not always at hand, and sometimes it may not be advisable to use it. Grass land which has been inverted by the common plow late in autumn, and which has been underdrained or is otherwise dry enough, may be harrowed very early in the spring, without the least disturbance of the sod, if done when only a few inches of the surface has thawed, and while the grassy portion of the sod is chained fast by ice.

**GARDEN ROTATION.**—The following enumeration of the different families of garden vegetables will enable the gardener to plan a rotation, so that similar plants will not occupy the same soil in successive years—those classed together should not succeed each other.

1. Peas, beans.
2. Cabbage, cauliflower, brocoli, turnip, radish.
3. Carrot, parsnip, parsley, celery.
4. Potato, tomato, egg plant.
5. Cucumber, melon, gourd, squash.
6. Lettuce, salsify, endive, chicory.
7. Onion, garlic, shallot, leek.

**SALTING HAY.**—This is now, we believe, extensively practised, and if judiciously done, we have no doubt it is well. Those who are in the habit of placing salt before cattle, know that during the winter season they will take but little. A cow consuming a ton of hay in the cold months, we are confident would not voluntarily consume two quarts of salt—and yet many farmers are in the habit of applying *eight quarts* to a ton! This is probably the source of many of the recent diseases among cattle. It leads, also, to the slovenly practice of getting in the hay in a damp or partially cured state, under the idea that the salt will preserve all its virtues. Hay should be well cured before it is housed, and then but little salt should be used on it.—*New England Farmer*.

**HOOF OINTMENT.**—Take one pound each of tar and tallow, and mix them, with half a pound of common turpentine, in a stoneware dish.—Stir them well until they are thoroughly incorporated together. This forms an excellent dressing for the sore hoofs of horses and oxen.

**BRILLIANT WHITEWASH.**—Now is the time to withen up the yard-fences summer-houses, and your dwellings. A few dollars expended will beautify your premises and your home. This is a beautiful, cheap and durable paint for school-houses. Try it:—

The following is a recipe for it, as gleaned from the National Intelligencer, with some additional improvements, learned by experiments.

“Take half a bushel of nice unslacked lime, slack it with boiling water, cover it during the process to keep in the steam. Strain the liquid through a fine sieve or strainer, and add to it a peck of salt, previously well dissolved in warm water; three pounds of ground rice, boiled to a thin paste, and stirred in boiling hot; half a pound of powdered Spanish whiting and a pound of clean glue, which has been previously dissolved by soaking it well, and then hanging it over a slow fire, in a small kettle with a large one filled with water. Add five gallons of hot water to the mixture; stir it well, and let it stand a few days, covered from the dirt.

“It should be put on right hot; for this purpose it can be kept in a kettle on a portable furnace. It is said that about a pint of this mixture will cover a square yard upon the outside of a house, if properly applied. Brushes more or less small may be used according to the neatness of the job required. It answers as well as oil paint for wood, brick or stone, and is cheaper. It retains its brilliancy for many years. There is nothing of the kind that will compare with it, either for inside or outside walls.

“Coloring matter may be put in and made of any shade you like. Spanish brown stirred in will make red pink, more or less deep, according to quantity. A delicate tinge of this is very pretty for inside wall. Finely pulverised common clay, well mixed with it, will make a reddish stone color. Yellow ochre stirred in makes yellow wash, but chrome goes further, and makes a color generally esteemed prettier. In all these cases, the darkness of the shades of course is determined by the quantity of coloring used. It is difficult to make rules, because tastes are different; it would be best to try experiments on a shingle and let it dry. We have been told that green must not be mixed with lime. The lime destroys the color, and the color has an effect on the whitewash which makes it crack and peel. When walls have been badly smoked and you wish to have them a clean white, it is well to squeeze indigo plentifully through a bag into the water you use, before it is stirred into the white mixture. If a larger quantity than five gallons be wanted, the same proportions should be observed.

**GRAPE CUTTING.**—The Ohio Farmer asks: “Have you a choice grape cutting that you wish to grow?” and then replies as follows: “Then go into the woods, dig some roots of a wild grape-vine, cut them into pieces of about six inches long; cut your choice grape-vine or choice cutting into pieces of only one, or at most two buds; insert the lower end by the common cleft grafting method into the piece of wild vine root; plant it in the earth, leaving the cutting just level with the top of the ground. Every one so made will grow and in two years become bearing plants.”

**ORCHARD AND NURSERY.**—There is but little to do in the orchard this season, save keeping the ground light about the trees, thinning fruit and killing caterpillars. Caterpillars and other insects neglected last month should by all means be looked at now. In some cases Summer pruning may commence the latter part of the month. The nursery grounds will need frequent plowing and hoeing.

FIXED FACTS IN AGRICULTURE.

The following list of "fixed facts" in agriculture, for once, in a con- of the sort, hits the right nail on the head in most of them; lands on which clover or the grasses are grown must either have lime in them naturally, or that mineral must be artificially supplied. It matters but little whether it be supplied in the form of stone-lime, oyster-lime, or marl.

2. All permanent improvement of lands must look to lime as its basis.
3. No lands can be preserved in a high state of fertility, unless clover and the grasses are cultivated in the course of rotation.
4. Mould is indispensable in every soil, and a healthy supply can alone be preserved through the cultivation of clover and the grasses, the turning in of green crops, or by the application of composts rich in the elements of mould.
5. All highly concentrated animal manures are increased in value, and their benefits prolonged, by admixture with plaster, salt, or with pulverized charcoal.
6. Deep ploughing greatly improves the productive powers of every variety of soil that is not wet.
7. Subsoiling sound land—that is, land that is not wet—is also eminently conducive to increased productions.
8. All wet land should be drained.
9. All grain crops should be harvested before the grain is fully ripe.
10. Clover, as well as the grasses, intended for hay, should be mowed when the bloom.
11. Sandy lands can be most effectually improved by clay. When such lands require liming or marling, the lime or marl is most beneficially applied when made into composts with clay. In slacking lime, salt brine is better than water.
12. The chapping or grinding of grain, to be fed to stock, operates as a saving of at least twenty-five per cent.
13. Draining of wet lands and marshes adds to their value, by making them to produce more, and by improving the health of neighbourhoods.
14. To manure or lime wet lands, is to throw manure, lime, and labor away.
15. Shallow ploughing operates to impoverish the soil, while it decreases production.
16. By stabling and shedding stock through the winter, a saving of one-fourth the food may be effected: that is, one-fourth less food will answer when the stock may be exposed to the inclemencies of the weather.
17. A bushel of plaster per acre, sown broadcast over clover, will add one hundred per cent. to its product.
18. Periodical applications of ashes tend to keep up the integrity of soils, by supplying most, if not all, of the organic substances.
19. Thorough preparation of land is absolutely necessary to the successful and luxuriant growth of crops.
20. Abundant crops cannot be grown for a succession of years, unless care be taken to provide an equivalent for the substances carried off the land in the products grown thereon.
21. Young stock should be moderately fed with grain in winter, and receive generous supplies of long provenders, it being essential to keep them in a fair condition, in order that the formation of muscle, bones, &c. may be encouraged and continuously carried on.



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