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CAVERHILL'S CANADIAN FARMER'S ALMANAC

FOR THE YEAR OF OUR LORD

1859,



Being the third after Bissextile or Leap Year, and until 20th June, the Twenty-Second 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.

TORONTO:

PUBLISHED BY W. C. F. CAVERHILL,

BOOKSELLER AND STATIONER,

87 YONGE NEAR KING STREET.

Explanation of Calendar Pages

The Publisher 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. The rising and setting of the Moon are given with sufficient exactness for all practical purposes. The weather prognostications are calculated according to the celebrated Dr. Herschel.

Chronological Cycles.

Dominical Letter.....	B.	Julian Period.....	6572
Golden Number.....	15	Jewish year commencing Jan.	
Jewish Lunar Cycle.....	14	14th, 1858.....	5620
Epact or Moon's Age, Jan. 1... 27		Age of the World (Septuagint) .	7367
Solar Cycle.....	20	Mahomedan year, Oct. 15th...	1274

DURATION OF THE SEASONS, &c.

Sun in Winter signs... 89 1 19	Sun in Spring signs... 92 20 37	Sun in Summer signs... 93 21 47	Sun in Autumn signs... 94 22 47
Tropical year... 365 242 20	Sun North of Equator... 183 11 30	Sun South of Equator... 182 11 17	Difference... 1 11 13

Movable Festivals.

Septuagesima Sunday....	Feb. 20	Low Sunday.....	May 1
Quinquagesima Sunday..	March. 6	Rogation Sunday.....	May 29
Ash Wednesday.....	March. 9	Ascension Day.....	June 2
First Sunday in Lent....	March. 13	Whitsunday.....	June 12
Palm Sunday.....	April 17	Trinity Sunday.....	June 19
Good Friday.....	April 22	Corpus Christi.....	June 23
Easter Sunday.....	April 24	Advent Sunday.....	Nov. 27

APPEARANCE OF PLANETS, 1859.

Holidays observed at Public Offices.

Circumcision.....	January 1	Corpus Christi.....	June 23
Epiphany.....	" 6	St. Peter and St. Paul.....	" 29
Annunciation.....	March 25	All Saints Day.....	Nov. 1
Good Friday.....	April 22	Conception of the Blessed	
Ascension Day.....	June 2	Virgin Mary.....	Dec. 8
Queen Victoria's Birthday..	May 24	Christmas Day.....	" 25

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ECLIPSES DURING THE YEAR 1859.

During this year there will be six Eclipses—four of the Sun; and two of the moon.

I.—February 2nd. A partial Eclipse of the Sun, not visible in any part of Canada.

II.—February 17th. There will be a total Eclipse of the Moon, early in the Morning, visible throughout Canada. This eclipse commences— at Montreal, three minutes past four; at Kingston, fifty minutes past three; and at Toronto, forty minutes past three. The Eclipse will be total at Montreal from 5.0 to 6.38; at Kingston from 4.47 to 6.25; and at Toronto from 4.37 to 6.15. The Moon will set from four to eight minutes after sunrise and with about one-third of it eclipsed at the time.

III.—March 4th. Partial Eclipse of the Sun, invisible.

IV.—July 29th. In the afternoon there will be a partial Eclipse of the Sun, lasting only a few minutes, and occurring about an hour before sunset. Visible in Canada.

V.—August 13. A total Eclipse of the Moon; not visible here.

VI.—August 28. There will be a partial Eclipse of the Sun, but not visible in Canada.

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 Equator...	186	10	49
Sun in Summer signs...	93	14	12	Sun South of Equator...	178	19	6
Sun in Autumnal signs.	89	17	47	Difference.....	7	15	43

Verbal 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, 1859.

Until September 27th, Venus will be the Morning Star; then Evening Star the rest of the year. Until July 21st, Mars will be the Evening Star; then Morning Star the rest of the year. Jupiter will be Evening Star until June 25th, then Morning Star the rest of the year. Saturn will be Morning Star until Jan. 29th, then Evening Star until August 8th, then Morning Star the rest of the year. The Planet Mercury can be observed most favorably on the 30th of March, 28th of July, and 22d of November, when it will be West, not far from the place of sunset; also on the 24th of January, the 22nd of May, and 16th of September, when it will be in the East, just before sunrise.

1st Month.

JANUARY, 31 Days. Begins on Saturday.

MEMORANDA FOR JANUARY

[1859]

Moon's Phases.	Montreal.		Kingston.	Toronto.	London.	Sun on Merid.	
	d.	h. m.	h. m.	h. m.	h. m.	d.	h. m. s.
New Moon,	4	0 32 mo.	0 20 mo.	0 8 mo.	0 0 mo.	1	12 3 50
First Quarter,	12	2 29 mo.	2 17 mo.	2 5 mo.	1 57 mo.	9	12 7 24
Full Moon,	18	6 55 ev.	6 43 ev.	6 32 ev.	6 24 ev.	17	12 10 23
Last Quarter,	25	3 51 ev.	3 39 ev.	3 28 ev.	3 20 ev.	25	12 12 37

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	Sat.	7 74	4 21	7 40	4 28	23 1	5 38	Circumcision.
2	B.	7 47	4 22	7 40	4 29	22 5	6 36	2d Sunday after Christmas.
3	Mon.	46	24	40	30	22 50	Sets.	The first part of this month
4	Tues.	46	25	39	31	22 44	5 2	will be severe.
5	Wed.	46	26	39	32	22 37	6 6	Hard frost and snow.
6	Thu.	45	28	39	33	22 30	7 11	Ephiphany.
7	Fri.	45	29	39	34	22 23	8 13	Changeable.
8	Sat.	45	30	38	35	22 15	9 16	Moderate weather.
9	B.	7 44	4 31	7 38	4 36	22 6	10 17	1st Sunday after Epiphany.
10	Mon.	44	32	38	37	21 58	11 22	Fine wintry day.
11	Tues.	44	33	37	38	21 48	Morn.	Pleasant.
12	Wed.	43	34	37	40	21 39	0 29	Snow or rain.
13	Thu.	43	35	37	41	21 29	1 39	Changeable.
14	Fri.	42	37	36	42	21 18	2 54	Look out for the January
15	Sat.	41	38	36	43	21 7	4 11	thaw.
16	B.	7 40	4 39	7 35	4 44	20 56	5 26	2d Sunday after Epiphany.
17	Mon.	39	41	35	45	20 44	6 21	Rather mild.
18	Tues.	39	42	35	46	20 32	Rises.	Feed cattle amply. They
19	Wed.	38	43	33	48	20 20	6 3	need it, and it pays better
20	Thu.	37	45	33	49	20 7	7 23	than pinching them.
21	Fri.	36	46	32	50	19 54	8 40	
22	Sat.	35	47	31	52	19 40	9 52	Cold weather.
23	B.	7 34	4 49	7 31	4 53	19 26	11 4	3d Sunday after Epiphany
24	Mon.	33	51	30	54	19 12	Morn.	Sleighting pretty good.
25	Tues.	33	52	30	56	18 57	0 11	Conversion of St. Paul.
26	Wed.	32	53	28	57	18 42	1 20	Fall of snow.
27	Thu.	31	54	25	58	18 27	2 26	Continued.
28	Fri.	31	56	25	5 00	18 11	3 32	Rather unpleasant.
29	Sat.	30	58	34	01	17 55	4 31	Drifting snow.
30	B.	7 29	4 59	7 23	5 02	17 39	5 23	4th Sunday after Epiphany
31	Mon.	28	5 00	43	5 04	17 22	6 4	Hard frost.

JANUARY.—Mind how you carry your stock through winter. When an animal is kept comfortable, it keeps fat; when it suffers, flesh wastes. All wants should be promptly supplied. If an animal shivers in the cold, you may surely know that it requires shelter in the stables or sheds. If damp and dirt annoy it, curry it and give it clean litter. If delay in its stated meals causes fretting, then always be scrupulously regular. A bad farmer wastes tons of hay by throwing it under foot in the dirt, instead of into feeding-racks; he wastes other tons by the increased quantity shivering animals require, being exposed to cold winds. Exposure and dirt help to waste flesh.

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JANUARY, 31 Days. Begins on Saturday.
 1859. MEMORANDA FOR JANUARY.

Day	Montreal	Toronto	Kingston	Toronto	London	Sam on Merid.
1	4 03 mo.	0 20 mo.	0 20 mo.	0 8 mo.	0 0 mo.	1 12 30
2	12 23 mo.	2 17 mo.	2 17 mo.	2 2 mo.	1 57 mo.	0 18 24
3	18 53 67.	6 43 67.	6 43 67.	6 32 67.	6 24 67.	17 18 10 33
4	25 31 67.	3 39 67.	3 39 67.	3 28 67.	3 20 67.	15 14 37
5	Sun Sets	Sun Sets	Sun Sets	Sun Sets	Sun Sets	Calendar, Aspects, &c.
6	4 21	4 21	4 21	4 21	4 21	
7	1 40	1 40	1 40	1 40	1 40	
8	4 31	4 31	4 31	4 31	4 31	1st Sunday after Epiphany
9	10 40	10 40	10 40	10 40	10 40	2d Sunday after Epiphany
10	17 50	17 50	17 50	17 50	17 50	3d Sunday after Epiphany
11	24 30	24 30	24 30	24 30	24 30	4th Sunday after Epiphany
12	30 30	30 30	30 30	30 30	30 30	5th Sunday after Epiphany
13	37 37	37 37	37 37	37 37	37 37	6th Sunday after Epiphany
14	44 31	44 31	44 31	44 31	44 31	7th Sunday after Epiphany
15	51 24	51 24	51 24	51 24	51 24	8th Sunday after Epiphany
16	58 17	58 17	58 17	58 17	58 17	9th Sunday after Epiphany
17	65 10	65 10	65 10	65 10	65 10	10th Sunday after Epiphany
18	72 3	72 3	72 3	72 3	72 3	11th Sunday after Epiphany
19	79 0	79 0	79 0	79 0	79 0	12th Sunday after Epiphany
20	85 5	85 5	85 5	85 5	85 5	13th Sunday after Epiphany
21	92 12	92 12	92 12	92 12	92 12	14th Sunday after Epiphany
22	98 20	98 20	98 20	98 20	98 20	15th Sunday after Epiphany
23	104 28	104 28	104 28	104 28	104 28	16th Sunday after Epiphany
24	110 36	110 36	110 36	110 36	110 36	17th Sunday after Epiphany
25	116 44	116 44	116 44	116 44	116 44	18th Sunday after Epiphany
26	122 52	122 52	122 52	122 52	122 52	19th Sunday after Epiphany
27	128 60	128 60	128 60	128 60	128 60	20th Sunday after Epiphany
28	134 68	134 68	134 68	134 68	134 68	21st Sunday after Epiphany
29	140 76	140 76	140 76	140 76	140 76	22nd Sunday after Epiphany
30	146 84	146 84	146 84	146 84	146 84	23rd Sunday after Epiphany
31	152 92	152 92	152 92	152 92	152 92	24th Sunday after Epiphany

Mind how you early your stock through winter. When as kept comfortable, it keeps fat; when it suffers, flesh will want should be promptly supplied. If an animal shivers

Moon's Phases.		Montreal.	Kingston.	Toronto.	London.	Sun on Merid.	
	d.	h. m.	h. m.	h. m.	h. m.	d.	h. m. s.
New Moon,	2	8 10 ev.	7 58 ev.	7 47 ev.	7 39 ev.	1	12 13 52
First Quarter,	10	2 46 ev.	2 34 ev.	2 23 ev.	2 15 ev.	9	12 14 30
Full Moon,	17	5 48 mo.	5 36 mo.	5 25 mo.	5 17 mo.	17	12 14 17
Last Quarter.	24	9 28 mo.	9 16 mo.	9 4 mo.	8 56 mo.	25	12 13 18

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	Tues.	7 27	5 01	7 24	5 5	17 6	6 41	Pretty sharp day.
2	Wed.	26	2	22	5	16 48	Sets.	<i>Purification of B. V. M.</i>
3	Thu.	25	3	21	6	16 31	6 4	Considerable snow about
4	Fri.	23	4	20	6	16 13	7 9	these days.
5	Sat.	22	5	19	7	15 55	8 12	Rather moderate.
6	B.	7 29	5 7	7 16	5 09	15 36	9 15	<i>5th Sunday after Epiphany.</i>
7	Mon.	19	9	15	9	15 18	10 20	Storms may be looked for
8	Tues.	18	11	14	11	14 59	11 27	throughout this week.
9	Wed.	17	13	13	13	14 40	Morn.	
10	Thu.	16	14	12	14	14 20	0 40	Blustering. Rough tra-
11	Fri.	14	16	11	16	14 1	1 54	velling facing the wind,
12	Sat.	13	17	9	17	13 41	3 6	which is keen.
13	B.	7 11	5 18	7 7	5 18	13 21	4 13	<i>6th Sunday after Epiphany.</i>
14	Mon.	9	19	6	19	13 9	5 9	<i>Valentine Day.</i>
15	Tues.	8	20	4	20	12 49	5 55	Less intensity of cold.
16	Wed.	6	22	2	22	12 19	Rises.	Getting moderate.
17	Thu.	4	24	1	24	18 59	6 11	These two days somewhat
18	Fri.	3	25	6 00	25	11 37	7 28	stormy.
19	Sat.	1	27	59	27	11 16	8 41	Very fine day.
20	B.	7 00	5 23	6 57	5 23	10 55	9 52	<i>Septuagesima Sunday.</i>
21	Mon.	6 59	30	56	30	10 33	11 3	Good prospect of a plea-
22	Tues.	57	32	55	31	10 11	Morn.	sant week.
23	Wed.	56	34	54	33	9 49	0 14	Rather colder.
24	Thu.	54	35	52	34	9 27	1 19	<i>St. Matthias.</i>
25	Fri.	52	37	50	35	9 5	2 21	Moderating.
26	Sat.	49	38	48	37	8 43	3 16	There may be cold rain or
27	B.	6 48	5 39	6 47	5 38	8 20	4 3	<i>Sextagesima Sunday.</i>
28	Mon.	47	40	45	39	7 57	4 41	snow now.

FEBRUARY.—Don't laugh at making cattle *comfortable*. If they are not so, you will pay for it. Always give enough of good food at regular seasons. Keep all cattle, sheep, and pigs well sheltered, and let them not shiver away their flesh in cold winds, and snow or rain storms. Have plenty of good water at hand. Cattle suffer more from thirst in winter than in summer. You will find it of great advantage to mix freely with the dry food, ruta бага, carrots and other roots. Give the best attention throughout the winter to all your domestic animals, and do not trust too much to your hired help. See for yourself.

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3D MONTH.

MARCH, 31 Days. Begins on Tuesday.

MEMORANDA FOR MARCH

[0681

Moon's Phases,	Montreal.	Kingston.	Toronto.	London.	Sun on Merid.
	d. h. m.	h. m.	h. m.	h. m.	d. h. m. s.
New Moon,	4 2 16 ev.	2 4 ev.	1 53 ev.	1 45 ev.	1 12 12 35
First Quarter,	11 11 46 ev.	11 34 ev.	11 22 ev.	11 14 ev.	9 12 10 46
Full Moon,	18 4 51 ev.	4 39 ev.	4 22 ev.	4 14 ev.	17 12 8 33
Last Quarter,	26 4 32 mo.	4 20 mo.	4 8 mo.	4 0 mo.	25 12 6 8

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	Tues.	6 45	5 42	6 44	5 41	7 35	5 14	ST. DAVID'S DAY.
2	Wed.	44	43	42	42	7 12	5 38	The month opens moderate-
3	Thu.	42	44	40	44	6 49	6 1	rately.
4	Fri.	50	45	39	46	6 26	Sets.	Some rain in U. Canada.
5	Sat.	38	47	39	48	6 3	7 6	Snow in L. Canada.
6	B.	6 36	5 48	6 34	5 49	5 39	8 11	Quinquagesima Sunday.
7	Mon.	34	49	32	50	5 16	9 20	Raw and cold.
8	Tues.	31	51	31	51	4 53	10 30	Shrove Tuesday.
9	Wed.	29	53	29	53	4 29	11 43	Ash Wednesday.
10	Thu.	27	54	27	55	4 6	Morn.	Weather milder.
11	Fri.	25	55	25	56	3 42	0 55	Travelling by sleighs not
12	Sat.	24	56	23	57	3 19	2 2	so good.
13	B.	6 22	5 58	6 22	5 58	2 55	3 3	1st Sunday in Lent.
14	Mon.	20	59	20	6 1	2 32	3 51	Fine overhead.
15	Tues.	18	6 1	18	2	2 8	4 28	Pleasant day.
16	Wed.	10	2	16	3	1 44	4 50	Fair and fine weather about
17	Thu.	14	3	15	4	1 21	5 26	St. PATRICK'S DAY.
18	Fri.	12	4	12	6	0 57	Rises.	these days.
19	Sat.	10	5	10	7	0 33	7 29	
20	B.	6 9	6 7	6 9	6 8	0 9	8 42	2d Sunday in Lent.
21	Mon.	7	8	6	9	N. 13	9 52	20th, Vernal Equinox begins.
22	Tues.	5	9	5	11	0 37	11 1	Stormy days may be look-
23	Wed.	3	11	3	12	1 1	Morn.	ed for now.
24	Thu.	1	13	1	13	1 24	0 6	
25	Fri.	5 59	15	6 00	14	1 48	1 7	Annunciation of B. V. M.
26	Sat.	57	16	5 58	16	2 11	1 56	Rather gloomy.
27	B.	5 55	6 17	5 56	6 17	2 35	2 38	3d Sunday in Lent.
28	Mon.	53	18	54	18	2 58	3 12	There may be some rainy
29	Tues.	52	19	53	20	3 22	3 41	weather at the conclusion of
30	Wed.	50	20	51	21	3 45	4 6	this month.
31	Thu.	48	21	50	21	4 8	4 26	

MARCH.—Finish winter jobs before the driving work of the spring begins. Have all your implements in readiness for the approaching season. Plows, carts, harrows, rakes and other tools should be put into good order; if not, your work will be hindered. Put and keep things in their proper places, that men and horses may not stand idle. Draw firewood, cut it up and house it, that good dry wood may be always at hand, and the women folks kept from scolding. Wet wood is an abomination, causing smoke in the kitchen, soreness in the eyes, sour bread, and meals delayed. Pay good attention to cows with young calves.

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Day	Notes	London	Toronto	Montreal	Quebec	Halifax	St. John's
1	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
2	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
3	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
4	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
5	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
6	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
7	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
8	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
9	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
10	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
11	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
12	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
13	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
14	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
15	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
16	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
17	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
18	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
19	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
20	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
21	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
22	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
23	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
24	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
25	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
26	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
27	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
28	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
29	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
30	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM
31	St. David's Day	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM	4 10 AM

Moon's Phases.		Montreal.	Kingston.	Toronto.	London.	Sun on Merid.	
	d.	h. m.	h. m.	h. m.	h. m.	d.	h. m.
New Moon,	3	5 23 mo.	5 11 mo.	4 50 mo.	4 42 mo.	1	12 3 59
First Quarter,	10	6 27 mo.	6 15 mo.	6 4 mo.	5 56 mo.	9	12 1 38
Full Moon,	17	4 12 mo.	4 0 mo.	3 49 mo.	3 41 mo.	17	11 59 33
Last Quarter,	24	11 51 mo.	11 39 ev.	11 28 ev.	11 20 ev.	25	11 57 53

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.	5 46	6 22	5 47	6 21	4 31	4 44	<i>All-fools' Day</i> , so called. Fair and fine.
2 Sat.	45	23	46	22	4 55	Sets.	
3 B.	5 42	6 24	5 44	6 23	5 18	7 7	<i>4th Sunday in Lent.</i>
4 Mon.	41	25	42	25	5 41	8 17	There will be rain during most of this week.
5 Tues.	39	27	40	27	6 3	9 30	
6 Wed.	39	29	38	28	6 26	10 45	
7 Thu.	35	30	36	29	6 49	11 55	Changeable. Clearer.
8 Fri.	33	31	36	31	7 11	Morn.	
9 Sat.	32	32	35	32	7 34	0 57	
10 B.	5 30	6 33	5 33	6 33	7 56	1 47	<i>5th Sunday in Lent.</i>
11 Mon.	28	34	31	34	8 18	2 29	Inclement weather.
12 Tues.	26	36	28	35	8 40	3 0	Some signs of spring.
13 Wed.	24	37	26	36	9 2	3 28	Clear day, cool.
14 Thu.	22	38	24	37	9 22	3 50	Ploughing already in parts west of Montreal.
15 Fri.	20	40	23	39	9 45	4 13	Some rain.
16 Sat.	18	42	21	40	10 6	Rises.	
17 B.	5 17	6 43	5 20	6 41	10 27	7 30	<i>Sunday before Easter.</i>
18 Mon.	15	44	18	42	10 48	8 41	Look out for rain, and considerable too, during this week.
19 Tues.	13	45	16	43	11 9	9 50	
20 Wed.	11	47	14	44	11 30	10 53	
21 Thu.	10	48	13	45	11 50	11 48	<i>Good Friday.</i> ST. GEORGE'S DAY.
22 Fri.	8	49	11	46	12 11	Morn.	
23 Sat.	6	50	9	47	12 31	0 35	
24 B.	5 5	6 51	5 8	6 48	12 51	1 12	<i>Easter Sunday.</i>
25 Mon.	3	53	7	49	13 10	1 42	<i>St. Mark.</i>
26 Tues.	2	54	5	51	13 30	2 8	The week will probably be fair and fine, such being the Lunar indications.
27 Wed.	5 0	56	4	52	13 49	2 29	
28 Thu.	4 58	57	2	53	14 8	2 47	
29 Fri.	56	58	5 0	54	14 27	3 7	Spring like.
30 Sat.	55	59	5 0	55	14 45	3 28	

APRIL. — Repair your fences, laying up fallen rails, nailing loose boards, and rebuilding tumbling walls. Where you can do so prepare ground for crops. Draw out manure, harrow it well into the ground then harrow it under: thorough mixture in this way will render it of double value. Ground for ruta бага should be got into good order early, and occasionally stirred to destroy all weeds before the crop is sown. There is not enough breadth of root-crops sown in Canada. They pay well. Avoid hasty and superficial plowing. Cut straight, deep, and narrow furrows. Keep your working animals in good order.

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Moon's Phases.	Montreal.	Kingston.	Toronto.	London.	Sun on Merid.
	d. h. m.	h. m.	h. m.	h. m.	d. h. m. s.
New Moon,	2 5 10 ev.	5 4 ev.	4 47 ev.	4 39 ev.	1 11 56 58
First Quarter,	9 0 5 ev.	11 59 mo.	11 42 mo.	11 34 mo.	9 11 56 15
Full Moon,	16 4 13 ev.	4 6 ev.	3 49 ev.	3 41 ev.	17 11 56 6
Last Quarter,	24 5 55 ev.	5 49 ev.	5 32 ev.	5 24 ev.	25 11 56 36

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. Deg.	h. m.		
1	B.	4 54	7 00	4 58	6 56	15 4	3 50	1st Sunday after Easter.	
2	Mon.	53	1	57	57	15 22	Sets.	1st, St. Philip & St. James.	
3	Tues.	51	3	55	59	15 39	8 29	This week much the same	
4	Wed.	50	4	54	7 00	15 57	9 42	as this time last year. Bright	
5	Thu.	49	5	53	1	16 14	10 49	agreeable weather. Farm	
6	Fri.	47	7	51	2	16 31	11 43	work progressing.	
7	Sat.	45	8	49	3	16 48	Morn.		
8	B.	4 43	7 9	4 43	7 4	17 4	0 28	2d Sunday after Easter.	
9	Mon.	42	10	47	5	17 20	1 4	Fair and mild.	
10	Tues.	41	11	46	6	17 36	1 30	Cloudy and threatening.	
11	Wed.	40	12	45	7	17 52	1 55	Disagreeably damp.	
12	Thu.	39	13	44	8	18 7	2 20	Rain, rain.	
13	Fri.	37	15	42	10	18 22	2 41	Pleasant weather, with	
14	Sat.	36	16	41	12	18 37	3 3	some wind.	
15	B.	4 34	7 17	4 40	7 12	18 51	3 29	3d Sunday after Easter.	
16	Mon.	33	18	39	13	19 5	Rises.	Pleasant day.	
17	Tues.	32	19	38	14	19 19	8 38	The weather fair and fine	
18	Wed.	31	20	37	15	19 32	9 37	for some days. Outdoor	
19	Thu.	30	21	36	16	19 45	10 27	work must be done now.	
20	Fri.	29	22	35	17	19 58	11 0		
21	Sat.	28	23	34	18	20 10	11 41		
22	B.	4 27	7 24	4 33	7 19	20 22	Morn.	4th Sunday after Easter.	
23	Mon.	27	25	32	20	20 34	0 8	This week will also be very	
24	Tues.	26	27	31	21	20 45	0 30	good for proceeding with	
25	Wed.	25	28	31	22	20 56	0 50	necessary farm work and	
26	Thu.	24	29	30	23	21 7	1 10	gardening.	
27	Fri.	23	30	29	24	21 17	1 29		
28	Sat.	22	31	28	25	21 27	1 50		
29	B.	4 21	7 32	4 28	7 26	21 37	2 14	5th Sunday after Easter.	
30	Mon.	20	33	27	26	21 46	2 47	Changeable.	
31	Tues.	20	34	27	27	21 55	Sets.	Rather unsettled.	

MAY.—Short working season in Canada. Make vigorous preparation to put in crops. Plant and sow every thing in the best manner possible. Thorough work is the surest economy. Plant corn early: more is lost from late than early planting. Make straight rows, to admit of easy, clean, and neat cultivation. Plant field-beets, carrots, and other root-crops, in rich, mellow, clean soil; and save three quarters the labor of hoeing when the weeds are not an inch high, and before they consume the riches of the soil. Look once more and see that your fences are in good order.

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Day	Notes	Montreal	Toronto	Windsor	London	Mid.
1	Low water from the first to the middle of the month.					
2						
3						
4						
5						
6	Calendar Aspects, etc.					
7						
8	Let Sunday after Easter					
9	This week with the same					
10	at this time of the year					
11	work progresses					
12	Time and tide wait for no man					
13	Discontinue lamp					
14	Work progresses					
15	Let Sunday after Easter					
16	The weather fair and fine					
17	for some days. Outlook					
18	work must be done now					
19	Let Sunday after Easter					
20	This week will also be very					
21	good for preceding work					
22	necessary farm work					
23						
24						
25	Short working season in Ontario					
26	work to be done					
27	and red-top for the week's					
28	held several times, and let some					
29	deeply and thoroughly; continue					
30	and by mid-antenna they will be					
31	row corn for fodder, sow in					

Moon's Phases,	Montreal.	Kingston.	Toronto.	London.	Sun on Merid.
New Moon,	d. 1 h. m. 2 16 mo.	h. m. 2 4 mo.	h. m. 1 53 mo.	h. m. 1 45 mo.	d. 1 h. m. s. 11 57 28
First Quarter,	7 5 54 ev.	5 42 ev.	5 30 ev.	5 22 ev.	9 11 58 51
Full Moon,	15 5 24 mo.	5 12 mo.	5 01 mo.	4 53 mo.	17 12 0 30
Last Quarter,	23 9 38 mo.	9 26 mo.	9 15 mo.	9 57 mo.	25 12 2 13
New Moon,	30 9 47 mo.	9 35 mo.	9 24 mo.	9 16 mo.	

M. Week.	DAYS.	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	Wed.	4 20	7 34	4 27	7 28	22 3	8 33	Fine day.
2	Thu.	20	36	27	29	22 11	9 36	Ascension Day.
3	Fri.	19	37	26	30	22 19	10 23	Some thunder.
4	Sat.	19	37	25	31	22 26	11 04	Warmth and rain.
5	B.	4 18	7 38	4 24	7 31	22 33	11 34	Sunday after Ascension.
6	Mon.	17	39	24	32	22 39	12 0	
7	Tues.	17	40	24	32	22 45	Morn.	According to the moon's
8	Wed.	17	40	24	33	22 51	0 22	change, this week is expect-
9	Thu.	17	41	24	34	22 56	0 45	ed to be fine, but the warmth
10	Fri.	17	42	24	34	23 1	1 7	is great.
11	Sat.	17	42	24	35	23 5	1 32	St. Barnabas.
12	B.	4 16	7 43	4 23	7 36	23 9	2 0	Whit Sunday.
13	Mon.	16	43	23	36	23 13	2 34	Whit Monday.
14	Tues.	16	44	23	37	23 16	Rises.	Whit Tuesday.
15	Wed.	16	44	23	37	23 19	8 22	
16	Thu.	16	44	23	38	23 21	9 5	The signs are for wet,
17	Fri.	16	45	23	38	23 23	9 41	Look out for rain.
18	Sat.	16	46	23	39	23 25	10 10	
19	B.	4 16	7 46	4 23	7 39	23 26	10 35	Trinity Sunday.
20	Mon.	16	46	23	39	23 27	10 55	Pleasant day.
21	Tues.	16	47	24	40	23 27	11 14	So also this.
22	Wed.	17	47	25	40	23 27	11 33	But now a change and
23	Thu.	17	47	25	40	23 26	11 51	rain will come.
24	Fri.	18	47	25	39	23 26	Morn.	ST. JOHN BAPTISTE, Nat.
25	Sat.	18	46	25	39	23 24	0 14	
26	B.	4 18	7 46	4 26	7 39	23 22	0 40	1st Sunday after Trinity.
27	Mon.	19	46	26	39	23 20	1 12	Cool rain, if wind be west.
28	Tues.	19	46	26	39	23 18	1 55	
29	Wed.	20	46	27	39	23 15	Sets.	St. Peter's Day.
30	Thu.	20	46	27	38	23 11	8 13	Hot day this.

JUNE.—The crops for the season being now mostly planted, see that weeds do not devour them. "A stitch in time saves nine" whether applied to pantaloons or potatoes. Destroy the cockle, chess, mustard, and red-root, for these weeds destroy or steal the wheat. Go over the field several times, and let none escape. Plow-in Canada-thistles deeply and thoroughly; continue it once a month during the summer, and by mid-autumn they will be killed and the land ready for wheat. Sow corn for fodder, sowing it thick in furrows plowed two or three feet apart. Sow ruta бага from the first to the middle of the month.

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Day	Notes	Barometer	Thermometer	Wind	Direction	Remarks
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2						
3						
4						
5						
6	Calendar, Aspects, etc.					
7						
8	Fine day.					
9	Some thunder.					
10	Warmth and rain.					
11						
12						
13						
14						
15						
16	The signs are for wet.					
17	Look out for rain.					
18						
19						
20	Mr. Jones's letter.					
21						
22	Good night, wind by west.					
23						
24						
25	The crops for the season being now mostly planted, are...					
26	...compared to the early part of the season...					
27	...of the soil and the weight of the crops...					
28	...to range from a few inches to a foot of weeds...					
29	...to show that the crops are doing well...					
30	...in the state of the crops, to a large extent...					

Moon's Phases.	Montreal.	Kingston.	Toronto.	London.	Sun on Merid.
	d. h. m.	h. m.	h. m.	h. m.	d. h. m. s.
First Quarter,	7 1 00 mo.	0 48 mo.	0 37 mo.	0 29 mo.	1 12 3 37.
Full Moon,	14 7 59 ev.	7 47 mo.	7 36 ev.	7 28 ev.	9 12 4 51.
Last Quarter,	21 10 34 ev.	10 22 ev.	10 11 ev.	10 3 ev.	17 12 5 48.
New Moon,	29 4 50 ev.	4 38 ev.	4 27 ev.	4 19 ev.	25 12 6 12.

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	Fri.	4 20	7 46	4 27	7 39	23 8	8 55	The month opens with strong heat.	
2	Sat.	21	46	28	39	23 3	9 35		
3	B.	4 22	7 46	4 29	7 39	22 59	10 1	2d Sunday after Trinity.	
4	Mon.	23	45	30	38	22 54	10 26	Thunder and lightning.	
5	Tues.	23	45	30	38	22 48	10 49	Symptoms of rain; but	
6	Wed.	24	44	31	38	22 43	11 10	with the Moon's change, the	
7	Thu.	25	44	32	38	22 36	11 35	weather settles and is fair	
8	Fri.	26	44	33	37	22 30	Morn.	and fine.	
9	Sat.	26	44	34	36	22 23	0 3		
10	B.	4 27	7 43	4 34	7 36	22 16	0 35	3d Sunday after Trinity.	
11	Mon.	28	43	34	36	22 8	1 13	Fair but warm.	
12	Tues.	28	42	35	35	22 0	2 1	If the wind is settled, but	
13	Wed.	29	41	36	34	21 51	2 55	steadys at S. or S. W., then	
14	Thu.	30	41	37	34	21 42	Rises.	rain.	
15	Fri.	31	41	38	33	21 33	8 13	St. Swithin.	
16	Sat.	32	40	39	32	21 23	8 39		
17	B.	4 33	7 39	4 40	7 32	21 14	9 0	4th Sunday after Trinity.	
18	Mon.	34	38	41	31	21 3	9 18	Variable weather.	
19	Tues.	35	37	42	30	20 53	9 38	St. hot.	
20	Wed.	35	36	43	29	20 41	9 57	Thunder distant.	
21	Thu.	36	35	43	29	20 30	10 17	Great rain-storm in some	
22	Fri.	37	34	44	28	20 18	10 40	parts of Canada; not gen-	
23	Sat.	38	33	46	27	20 6	11 9	eral.	
24	B.	4 39	7 32	4 46	7 26	19 54	11 46	5th Sunday after Trinity.	
25	Mon.	40	31	47	25	19 41	Morn.	St. James.	
26	Tues.	41	30	48	24	19 28	0 33	St. Ann.	
27	Wed.	42	30	49	23	19 15	1 37	Fair and fine, and will	
28	Thu.	43	28	49	22	19 1	2 51	continue fine through the	
29	Fri.	44	27	50	21	18 47	Sets.	month.	
30	Sat.	46	26	51	21	18 33	7 46		
31	B.	4 47	7 25	4 52	7 20	18 18	8 28	6th Sunday after Trinity.	

JULY.—Keep a good look out against the weeds. They have been properly compared to an army of robbers. They devour more of the riches of the soil, and of the weights of the crops, every year than would feed the army of Napoleon. Would you allow a drove of strange cattle to range your fields a single night? Then why permit a host of weeds to devour their strength a whole season, and then bequeath their pernicious deeds, in the shape of seeds, to a race of successors. Keep weeds and grass well cleared away from young fruit trees, and the soil clean and mellow. Neither a young tree nor a hill of corn can thrive in a weed-bed.

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Moon's Phases.		Montreal.	Kingston.	Toronto.	London.	Sun on Merid.	
	d.	h. m.	h. m.	h. m.	h. m.	d	h. m. s.
First Quarter,	6	10 28 mo.	10 16 mo.	10 4 mo.	9 56 mo.	1	12 6 4
Full Moon,	13	11 42 mo.	11 30 mo.	11 18 mo.	11 10 mo.	9	12 5 17
Last Quarter,	21	8 52 mo.	8 40 mo.	8 29 mo.	8 21 mo.	17	12 3 53
New Moon,	27	11 32 ev.	11 20 ev.	11 8 ev.	11 0 ev.	25	12 1 57

M. Week.	DAYS.	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	Mon.	4 48	7 24	4 54	7 18	18 3	8 50	Showery weather.	
2	Tues.	50	22	55	17	17 48	9 14	Cloudy and sultry.	
3	Wed.	51	21	56	16	17 32	9 39	Dull and lowering.	
4	Thu.	52	20	57	15	17 16	10 4	Thunder showers.	
5	Fri.	53	19	58	14	17 0	10 35	High winds.	
6	Sat.	55	17	59	13	16 44	11 12	Frequent showers.	
7	B.	4 56	7 16	5 0	7 12	16 27	11 57	7th Sunday after Trinity.	
8	Mon.	57	14	1	10	16 10	Morn.	There will be continuance	
9	Tues.	58	12	2	8	15 53	0 50	of showery weather through-	
10	Wed.	59	11	3	7	15 36	1 47	out this quarter of the moon.	
11	Thu.	5 1	9	5	5	15 18	2 43		
12	Fri.	2	8	6	4	15 0	Rises.		
13	Sat.	3	7	7	3	14 42	7 5	Changeable.	
14	B.	5 4	7 5	5 8	7 1	14 24	7 24	8th Sunday after Trinity.	
15	Mon.	5	3	9	6 59	14 5	7 43	Harvesting is now advan-	
16	Tues.	6	2	10	58	13 46	8 3	cing with favorable weather.	
17	Wed.	7	1	11	57	13 27	8 23		
18	Thu.	8	6 59	12	56	13 8	8 46	Some thunder showers.	
19	Fri.	9	57	13	54	12 43	9 11		
20	Sat.	11	55	14	52	12 29	9 43	Unsettled weather.	
21	B.	5 12	6 54	5 16	6 50	12 9	10 26	9th Sunday after Trinity.	
22	Mon.	13	52	17	49	11 49	11 19	Changeable.	
23	Tues.	14	50	18	47	11 29	Morn.	Some rain.	
24	Wed.	16	48	19	46	11 8	0 26	St. Bartholomew.	
25	Thu.	18	46	20	44	10 47	1 43	Unsettled weather conti-	
26	Fri.	19	45	21	43	10 27	3 3	nues.	
27	Sat.	20	43	22	40	10 6	Sets.	Now clearer.	
28	B.	5 21	6 41	5 24	6 38	9 45	6 49	10th Sunday after Trinity.	
29	Mon.	22	40	25	37	9 23	7 15	Fair and fine the last of	
30	Tues.	23	38	26	36	9 2	7 39	this month.	
31	Wed.	24	36	27	34	8 40	8 5		

AUGUST.—Pursue vigorously your summer work. Finish haying and harvesting. Cut wheat a week or two before dead ripe, and the grain will weigh more, give less bran, and not shell in harvesting. The straw will be worth double. Secure the gleanings by a horse-rake. If it rains, harrow wheat and barley stubble to start the weeds, which plough under as a green crop. Take great pains to have clean seed-wheat, cleaning out all foul stuff, and especially the seeds of that deceitful, invisibly insinuating, rapidly multiplying weed, chess. Some farmers, by great pains every year, have at last totally expelled it from their farms.

1	h. m. s.
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31	h. m. s.

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

9TH MONTH. **SEPTEMBER, 30 Days.** Begins on Thursday.

1859.]

Moon's Phases.		Montreal.	Kingston.	Toronto.	London.	Sun on Merid.	
	d.	h. m.	h. m.	h. m.	h. m.	d.	h. m. s.
First Quarter,	3	11 11 ev.	10 59 ev.	10 47 ev.	10 39 ev.	1	11 59 55
Full Moon,	12	3 37 mo.	3 25 mo.	3 14 mo.	3 6 mo.	9	11 57 17
Last Quarter,	19	5 20 ev.	5 8 ev.	4 57 ev.	4 49 ev.	17	11 54 29
New Moon,	26	9 2 mo.	8 50 mo.	8 39 mo.	8 31 mo.	25	11 51 42

M. Week.	DAYS.	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	Thu.	5 26	6 34	5 28	6 32	8 19	8 34	Fair and fine.
2	Fri.	28	32	30	29	7 57	9 10	Very agreeable weather
3	Sat.	29	30	31	28	7 35	9 53	these days.
4	B.	5 30	6 28	5 32	6 26	7 13	10 41	11th Sunday after Trinity.
5	Mon.	31	27	33	25	6 50	11 39	Fine weather.
6	Tues.	32	24	34	23	6 28	Morn.	Dull and lowering.
7	Wed.	33	23	35	21	6 6	0 41	Cool nights and morn-
8	Thu.	35	21	36	20	5 43	1 43	ings.
9	Fri.	36	19	37	18	5 20	2 48	Changeable.
10	Sat.	37	17	38	16	4 58	3 50	Very fine day.
11	B.	5 39	6 16	5 39	6 15	4 35	Rises.	12th Sunday after Trinity.
12	Mon.	40	14	40	13	4 12	6 10	Windy season.
13	Tues.	42	12	41	11	3 49	6 28	Some rain, but unsteady
14	Wed.	43	10	43	9	3 26	6 50	weather.
15	Thu.	44	7	43	8	3 3	7 15	Wind and rain.
16	Fri.	45	6	45	7	2 40	7 46	Cool but pleasant.
17	Sat.	46	4	46	5	2 17	8 24	Continues fine.
18	B.	5 48	6 2	5 47	6 3	1 53	9 14	13th Sunday after Trinity.
19	Mon.	49	6 00	48	1	1 30	10 14	Fair and agreeable for late
20	Tues.	50	5 58	49	5 57	1 7	11 22	grains.
21	Wed.	51	56	50	56	0 43	Morn.	St. Matthew.
22	Thu.	52	56	52	54	0 20	0 40	Continues fair this Moon's
23	Fri.	54	53	52	52	S. 2	1 59	quarter.
24	Sat.	56	52	53	50	0 26	3 19	
25	B.	5 56	5 50	5 54	5 49	0 49	Sets.	14th Sunday after Trinity.
26	Mon.	57	48	55	47	1 13	5 38	Changeable and unsettled
27	Tues.	59	46	57	45	1 36	6 3	weather.
28	Wed.	6 00	44	59	43	1 59	6 33	Cold rain.
29	Thu.	1	42	6 00	40	2 23	7 6	St. Michael and all Angels.
30	Fri.	2	40	1	39	2 46	7 46	Think of winter.

SEPTEMBER. — Cut underdrains through wet land. Drain muck-swamps. Get out and draw swamp-muck to mix with barn-yard manure. Still continue to destroy weeds. Put land into the best condition before sowing wheat. Manure will do well and much improve the crop if it be well pulverized and thoroughly intermixed with the soil by repeated harrowings. Take great pains to sow only the cleanest seed. These hints are more particularly intended for farmers in Upper Canada. Commence fattening hogs. Feed them regularly. Don't let them squeal their flesh away by waiting for their stated meals. In feeding corn, let it be ground.

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when - Get underneath through wet land. Train muck-
 Get out and draw away muck to mix with barnyard
 Still continue to destroy weeds. Put land into the best con-
 dition for sowing grain.

Moon's Phases.		Montreal.	Kingston.	Toronto.	London.	Sun on Merid.	
	d.	h. m.	h. m.	h. m.	h. m.	d.	h. m. s.
First Quarter,	3	3 38 ev.	3 26 ev.	3 15 ev.	3 7 ev.	1	11 49 42
Full Moon,	11	6 58 ev.	6 46 ev.	6 34 ev.	6 26 ev.	9	11 47 13
Last Quarter,	19	0 49 mo.	0 37 mo.	0 25 mo.	0 17 mo.	17	11 45 28
New Moon,	25	7 39 ev.	7 27 ev.	7 16 mo.	7 8 ev.	25	11 44 17

DAY. ^S		Montreal.		Toronto.		Sun's Declinat.		The Moon.	Calendar, Aspects, &c.
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	North.		N. & S.	
		h. m.	h. m.	h. m.	h. m.	Deg.	Min.	h. m.	
1	Sat.	6 3	5 37	6 2	5 38	3	10	8 34	Cool fine day,
2	B.	6 4	5 35	6 3	5 36	3	33	9 30	15th Sunday after Trinity.
3	Mon.	5	33	4	34	3	56	10 30	Very variable weather
4	Tues.	7	31	5	33	4	19	11 35	throughout this quarter of
5	Wed.	8	30	6	32	4	42	Morn.	the Moon.
6	Thu.	9	27	7	29	5	6	0 36	Rain and rather cold.
7	Fri.	11	25	8	27	5	29	1 39	Changeable.
8	Sat.	12	24	9	26	5	52	2 40	Fair, cool, fine day.
9	B.	6 12	5 21	6 10	5 24	6	14	3 41	16th Sunday after Trinity.
10	Mon.	14	20	11	22	6	37	4 45	This quarter of Moon indicates rain if wind be south or south-west; fair, if north-west.
11	Tues.	15	19	12	20	7	0	Rises.	
12	Wed.	16	17	14	19	7	23	5 19	
13	Thu.	18	14	15	17	7	45	5 49	
14	Fri.	20	12	16	15	8	8	6 24	
15	Sat.	21	9	17	13	8	30	7 8	
16	B.	6 23	5 7	6 19	5 12	8	52	8 6	17th Sunday after Trinity.
17	Mon.	24	5	20	9	9	14	9 14	Cool and fine.
18	Tues.	25	4	21	8	9	36	10 27	St. Luke.
19	Wed.	26	2	22	6	9	58	11 43	Fair weather most of these next few days, but pretty cool nights.
20	Thu.	28	1	24	5	10	19	Morn.	
21	Fri.	29	4 59	25	3	10	41	1 1	
22	Sat.	31	57	27	2	11	2	2 16	
23	B.	6 32	4 55	6 28	4 59	11	23	3 31	18th Sunday after Trinity.
24	Mon.	33	53	29	58	11	44	4 46	Strong wind; fair if wind north-west. If wind be south or south-west, then look for rain.
25	Tues.	35	52	30	57	11	5	Sets.	
26	Wed.	36	50	31	56	12	26	5 1	
27	Thu.	38	49	32	54	12	46	5 39	
28	Fri.	39	47	33	53	13	7	6 25	
29	Sat.	41	46	35	52	13	27	7 18	St. Simon and St. Jude. Cool and fair.
30	B.	6 42	4 46	5 38	5 50	13	47	8 17	19th Sunday after Trinity.
31	Mon.	43	45	40	48	11	6	9 21	Coming storms.

OCTOBER.—Harvest autumn crops ; husk corn ; dig potatoes ; get up ruta bagas and field beets by the end of the month. Your potatoes will be less liable to rot if dug when the ground is dry and not muddy. They should be kept as cool as possible, well ventilated, and affected ones should be picked out and thrown aside. The best way to keep potatoes is to bury them first with a foot of packet straw, and then three inches of earth. Ventilation may be secured by wisps of straw set in holes in the top of each heap. Winter apples intended for sale or keeping, must be carefully picked by hand, using suitable ladders, which will not bruise the trees.

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4	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00
5	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00
6	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00
7	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00
8	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00
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14	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00
15	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00
16	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00
17	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00
18	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00
19	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00
20	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00
21	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00
22	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00
23	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00
24	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00
25	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00
26	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00
27	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00
28	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00	h.m. 11.00
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Moon's Phases.	Montreal.	Kingston.	Toronto.	London.	Sun ^{on} Merid.
	d h. m.	h. m.	h. m.	h. m.	d. h. m. s.
First Quarter,	2 11 24 mo.	11 12 mo.	11 1 mo.	10 53 mo.	1 11 43 42
Full Moon,	10 9 11 mo.	8 59 mo.	8 48 mo.	8 40 mo.	9 11 43 57
Last Quarter,	17 8 13 mo.	8 1 mo.	7 49 mo.	7 41 mo.	17 11 45 5
New Moon.	24 8 49 mo.	8 37 mo.	8 26 mo.	8 18 mo.	25 14 47 8

M.	Week.	Montreal.		Toronto.		Sun's Declinat.		The Moon.		Calendar, Aspects, &c.
		Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	North.	R. & S.	R. & S.	R. & S.	
		h. m.	h. m.	h. m.	h. m.	Dec. Min.	h. m.			
1	Tues.	6 44	4 44	6 41	4 47	12 26	10 24		<i>All Saints' Day.</i>	
2	Wed.	43	42	43	45	14 45	11 25		Cold rains in U. C.	
3	Thu.	48	40	44	44	15 4	Morn.		Snow in L. C.	
4	Fri.	49	39	45	43	15 22	0 28		Unpleasant.	
5	Sat.	50	37	47	41	15 41	1 29		Moderate.	
6	B.	6 52	4 36	6 48	4 40	15 59	2 31		<i>20th Sunday after Trinity.</i>	
7	Mon.	54	34	49	39	16 17	3 34		Wet day.	
8	Tues.	55	32	50	38	16 34	4 39		Changeable.	
9	Wed.	56	31	51	36	16 52	Rises.		Fair and frosty.	
10	Thu.	57	29	52	36	17 9	4 21		Cold rain if wind west	
11	Fri.	58	28	54	34	17 25	5 5		snow, if east.	
12	Sat.	7 00	27	55	33	17 42	6 0		Changeable.	
13	B.	7 1	4 26	6 56	4 32	17 58	7 5		<i>21st Sunday after Trinity.</i>	
14	Mon.	3	25	58	31	18 14	8 17		This week will be rather	
15	Tues.	5	24	7 00	30	18 29	9 31		unpleasant weather, but	
16	Wed.	6	23	1	29	18 44	10 50		chiefly cold, damp, or	
17	Thu.	7	22	2	28	18 59	Morn.		snowy. Prepare for your	
18	Fri.	8	21	3	27	19 14	0 5		cattle's comfort.	
19	Sat.	11	20	5	27	19 28	1 19			
20	B.	7 12	4 19	7 6	4 26	19 42	2 30		<i>22d Sunday after Trinity.</i>	
21	Mon.	13	18	7	25	19 55	3 42		Pleasant day, cold.	
22	Tues.	14	18	8	25	20 8	4 54		<i>St. Cecilia.</i>	
23	Wed.	16	17	10	24	20 21	Sets.		Downfall of some kind,	
24	Thu.	17	16	11	24	20 33	4 17		very likely snow.	
25	Fri.	18	15	12	23	20 45	5 8		<i>St. Catharine.</i>	
26	Sat.	19	15	13	22	20 57	6 5		Clear day, cold night.	
27	B.	7 21	4 15	7 15	4 21	21 8	6 56		<i>1st Sunday in Advent.</i>	
28	Mon.	22	14	16	21	21 19	8 11		The month ends disagree-	
29	Tues.	23	13	17	20	21 29	9 14		ably.	
30	Wed.	25	13	18	19	21 39	10 16		ST. ANDREW'S DAY.	

NOVEMBER. — If not already done, finish speedily the getting in of root crops, and see that they are secured from frost and snow. Collect all tools, as plows, harrows, carts, hoes, &c., and see that they are kept from the weather. Transplant hardy fruit and ornamental trees, and let them be well staked from the action of the wind. Apply manure as a top-dressing wherever needed; it will not now evaporate, but soak into the soil. Grafts for next spring may now be cut and packed in damp moss or sand; grapes pruned, and the cuttings preserved. Strawberry and asparagus beds should now have a top-dressing of rich manure. Prepare for winter.

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12TH MONTH. **DECEMBER, 31 Days.** Begins on Thursday.
 MEMORANDA FOR DECEMBER

Moon's Phases.		Montreal.	Kingston.	Toronto.	London.	Sun on Merid.	
	d.	h. m.	h. m.	h. m.	h. m.	d.	h. m. s.
First Quarter,	2	8 56 mo.	8 44 mo.	8 32 mo.	8 24 mo.	1	11 49 12
Full Moon,	9	10 19 ev.	10 7 ev.	9 56 ev.	9 48 ev.	9	11 53 31
Last Quarter,	16	4 22 ev.	4 10 ev.	3 59 ev.	0 51 ev.	17	11 56 18
New Moon,	29	0 53 mo.	0 41 mo.	0 28 mo.	3 20 mo.	25	13 0 17

M. Week.	DAYS.	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	Thu.	7 25	4 12	7 19	4 19	21 49	11 17	This month begins angrily,—weather rough. Wind and sleet.
2	Fri.	28	12	21	19	21 58	Morn.	
3	Sat.	28	12	21	19	22 7	0 18	
4	B.	7 29	4 11	7 22	4 18	22 15	1 19	2d Sunday in Advent.
5	Mon.	30	11	24	18	22 23	1 21	If wind from N. W., snow.
6	Tues.	31	11	25	17	22 30	3 28	Cold wintry day.
7	Wed.	32	11	26	17	22 37	4 37	Pleasant overhead.
8	Thu.	33	11	27	17	21 44	5 48	Conception of B. V. M.
9	Fri.	33	11	28	18	22 50	Rises.	This quarter of the Moon
10	Sat.	35	11	28	18	22 55	4 48	will most likely be fine, but
11	B.	7 35	4 11	7 29	4 18	23 1	6 1	3d Sunday in Advent.
12	Mon.	36	11	30	18	23 5	8 21	considerable hard frost.
13	Tues.	37	11	31	18	23 10	8 40	
14	Wed.	38	11	32	18	23 13	9 55	
15	Thu.	39	12	32	18	23 17	11 8	Some good sleighing in
16	Fri.	40	12	33	19	23 20	Morn.	Lower Canada, but in Upper
17	Sat.	41	33	33	19	23 28	0 21	
18	B.	7 42	4 12	7 34	4 20	23 24	1 33	4th Sunday in Advent.
19	Mon.	42	13	36	20	23 25	2 45	Canada not much.
20	Tues.	43	13	36	20	23 26	3 56	Pleasant day.
21	Wed.	43	14	37	20	23 27	5 5	t. Thomas.
22	Thu.	44	14	37	21	23 27	6 14	REMEMBER THE POOR.
23	Fri.	44	15	38	21	23 27	Sets.	Prepare to pay your bills,
24	Sat.	45	15	38	22	22 23	4 54	and keep out of debt.
25	B.	7 45	4 16	7 38	4 23	23 24	5 56	CHRISTMAS DAY.
26	Mon.	45	16	38	24	23 23	7 2	t. Stephen.
27	Tues.	45	17	38	24	23 20	8 4	St. John Evangelist.
28	Wed.	46	18	39	25	23 17	9 5	Holy Innocents.
29	Thu.	46	18	39	26	23 14	10 5	The year ends with hard
30	Fri.	47	19	39	26	23 10	11 6	frosty weather, but quite
31	Sat.	46	20	39	27	23 6	Morn.	agreeable.

DECEMBER.—Spend your time profitably these winter nights. Lay plans for the future. Much time and labor are saved by careful reflection and study. Arrange the farm for regular rotation. Let regularity and system be fully carried out. Examine the practice of the very best and most successful farmers in the country. The most convenient and cheap way of doing this is to take and read a first-rate agricultural paper. Use judgment and discretion in reducing to practice the many valuable hints you may thus obtain. Keep all stables clean, neat, and comfortable. Give sheep good shelter, good hay, and chopped roots.

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MEMORANDA FOR DECEMBER. Month. DECEMBER. 31 Days. Begins on Thursday

Table with columns for days of the month (1-31) and various weather-related data points such as temperature, wind, and moon phases. Includes text annotations like 'Calendar, Aspects, &c.' and 'The year ends with...'.

CANADA

THE GOVERNOR GENERAL.

AIDES-DE-CAMP, &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.
 Captain Retallack, 16th Regiment, Military Secretary and Aide-de-Camp.
 Colonel Irvine, Provincial Aide-de-Camp.
 Lieut.-Col. Duchesnay, extra Provincial Aide-de-Camp.

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Receiver General—Hon. Geo. Sherwood.
Attorney General East—Hon. G. E. Cartier.
Speaker Legislative Council—Hon. N. F. Belleau.
Inspector General—Hon. A. T. Galt.
Attorney General West—Hon. J. A. McDonald.
Postmaster General—Hon. Sydney Smith.
Com. of Crown Lands—Hon. P. M. Vankoughnet.
Com. of Public Works—Hon. L. V. Sicotte.
Provincial Secretary—Hon. C. Alleyn.
Solicitor General—Hon. John Rose.

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

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 Leparre, 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.

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Protestant Board of Examiners.—Rev. D. Fraser, Rev. Dr. Wilkes, Rev. Canon Leach, D.C.L., LL.D., Rev. J. Flannigan, Rev. W. Snodgrass, 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; Thomas Divine ditto; G. G. Dunlevie, ditto; J. W. Bridgland, ditto; E. Fox, ditto; J. F. Bouchette, Draftsman; S. P. Beauset, ditto.

Land Sales Branch.—W. Spragge, Superintendent.

Woods and Forest Branch.—T. M. Partridge, Superintendent.

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

Second Class.—W. F. Whitcher, P. M. Partridge, V. E. Tessire, J. T. Cherrier, A. Kirkwood, A. J. Taylor, F. D. Dugal, L. R. Fortier, F. Chessé, L. A. Robitaille, H. A. Grant, J. V. Gale, J. J. Prendergast, F. Bainster, A Van Nelson.

Third Class.—P. Derbyshire, J. Innes.

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

CROWN TIMBER AGENTS.

Niagara.....	A. W. Powell.	Quebec.....	McLean Stuart.
Belleville.....	{ J. Fraser, Way.		{ J. M. Bonacina, Asst.
	{ Mark Deylin, Asst.		{ M. O'Leary.
Carleton Bay		Little Falls.....	Chas. Dawson.
(Chaleur).....	J. N. Verge.	St. Hyacinthe.....	Gerald J. Nagle.
Chicoutimi.....	George Dubergen.	Three Rivers.....	Oliver Wells.
Montreal.....	Charles E. Bell.	Trois Pistoles.....	Chas. T. Dubé.
Ottawa.....	{ A. J. Russell.		
	{ Ed. Masse, Asst.		
	{ J. R. McVicar, Clerk.		

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. Wicksteed, 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, A. Poetter, Pierre Rivet, A. G. D. Taylor, H. McCarthy, and J. F. Gingrass, Junior Clerks.

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

Private Bill Office.—Alfred Todd, Clerk of Private Bills; Thadeus 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. Badgely, 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, Assists. do.; J. O'Connor, Doorkeeper; Robt. Baillie, 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 De Blaquiére, 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 Bottard, 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. Danne, F. Boulet and J. Casault, Messengers.

CIVIL.

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

PROVINCIAL SECRETARY'S OFFICE.—Hon. Charles Alleyn, Provincial Secretary; Etienne Parent, Assistant Secretary East; E. A. Meredith, Assistant Secretary West; Thos. Ross, Accountant of the Contingencies.

Eastern Branch.—H. R. Glackmeyer, 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. Chas. Alleyn, 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. Geo. Sherwood, Receiver General; S. D. Harrington, Deputy ditto; T. Dufort, J. B. Stanton, G. C. Reiffenstein, W. Hedge, J. F. Pellant, L. F. Dufresne, F. Braun, C. W. Shay and D. V. Fisher, Clerks; F. L. Casault, Messenger; J. McCaffery, Assistant Messenger.

INSPECTOR GENERAL'S OFFICE.—Hon. A. T. Galt, 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. St. Lee and John R. Nash, Clerks; D. Ryan, Messenger.

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

Audit Branch.—John Langton, Auditor; Thomas Cruse, Book Keeper; Charles Combie, 1st Class Clerk; Christopher Green, James Patterson, J. A. Kavanah and E. C. Barber, 2nd Class 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; P. Lawler, J. R. Spong, R. G. Greig, Clerks.

ADJUTANT GENERAL'S DEPARTMENT.—Lieut.-Colonel the Honorable R. Rollo, Assistant Adjutant General; Ens. O. McDonald, Town Major; W. Wright, 1st Clerk; P. Walsh, and G. Franckum, 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. Gunn, Military Storekeeper.

Storekeepers Department.—Alex. Gunn; 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. Gallway; Draftsman, R. J. Pilkington; Surveyor and Draftsman, C. Walkem; Senior Clerk, James Kerr; Clerk, John Gardiner; Foreman of Works, J. Bollard; Office Keeper, J. Robertson.

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

Quebec.—Lieutenant-Colonel Hadden, District Com. Royal Engineer, Canada East; Lieutenant C. A. de Montmorency; Clerk of Works, William Haddon; Foreman 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. Matthews; Assistant ditto, C. Woodley, A. W. Bell, John Ballard and W. Palmer.

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.

Judicial Districts of Lower Canada, the Judges to whom they are assigned and the terms of Courts therein.

DISTRICT OF QUEBEC AND ARTHABASKA. <i>Assigned to the Judges residing at Quebec.</i>			DISTRICTS OF MONTREAL AND TERREBONNE. <i>Assigned to the Judges residing at Montreal.</i>			DISTRICT OF THREE RIVERS. <i>Assigned to Mr. Justice D. Mondelet.</i>		
COURT.	WHERE HELD.	WHEN HELD.	COURT.	WHERE HELD.	WHEN HELD.	COURT.	WHERE HELD.	WHEN HELD.
Circuit.	Cap Santé	7-16 January.	Circuit.	Lachute	12-16 January.	Q. B., Crim	Three Rivers	2 February.
Superior	Quebec	20-25	"	Ste. Scholastique	7-12 Feb'y.	Superior.	"	12-25
Circuit.	"	1-5 Feb'y.	Superior.	Montreal	10-15	Circuit.	"	Last 6 d. of May.
Superior	"	20-25	"	Ste. Scholastique	13-19	Superior	"	Last 6 d. of May.
Circuit.	Arthabaska	1-5 March.	Circuit.	Montreal	17-27	Circuit.	"	1-14 June.
Superior	"	7-12	"	Vaudreuil	1-5 March.	Superior	"	Last 6 d.
Circuit.	"	13-19	"	Coteau Landings	6-10	Q. B., Crim	"	11 September.
Superior	Lotbinière	13-22	"	Montreal	10-15	Circuit.	"	Last 6 d.
Circuit.	Inverness	20-24	Superior.	Terrebonne	12-21	Superior	"	1-14 Novemb.
"	Drummondville	20-24	Circuit.	Montreal	17-27	Circuit.	"	Last 6 d.
"	Quebec	20-25	Superior.	"	10-15	Superior	"	Last 6 d. Decr.
Superior	"	1-5 April.	Circuit.	"	17-27	"	"	"
Circuit.	"	20-25	Superior.	Ste. Scholastique	7-12	"	"	"
Superior	"	1-5 May.	Circuit.	Montreal	10-15	"	"	"
Circuit.	Cap Santé	7-16	"	Lachute	12-16	"	"	"
"	Quebec	20-25	Superior.	Ste. Scholastique	13-19	"	"	"
"	Arthabaska	7-12 June.	Circuit.	Montreal	17-27	"	"	"
Superior	"	13-19	Superior.	"	10-15	"	"	"
Circuit.	Inverness	20-24	Circuit.	Vaudreuil	17-27	"	"	"
"	Drummondville	20-24	Superior.	Coteau Landings	6-9	"	"	"
"	Quebec	20-25	Circuit.	Terrebonne	12-21	"	"	"
Superior	"	20-25	"	Montreal	10-15	"	"	"
Circuit.	Lotbinière	13-22 July.	"	Lachute	12-16	"	"	"
Superior	Quebec	1-5 Septemb.	Superior.	Montreal	17-27	"	"	"
Circuit.	Cap Santé	7-16	Circuit.	Ste. Scholastique	7-12	"	"	"
"	Quebec	20-25	"	Montreal	10-15	"	"	"
Superior	"	1-5 October.	Superior.	Ste. Scholastique	13-19	"	"	"
Circuit.	Arthabaska	20-25	Circuit.	Montreal	17-27	"	"	"
Superior	"	7-12 Novemb.	"	Vaudreuil	1-5	"	"	"
Circuit.	Lotbinière	13-22	"	Coteau Landings	6-10	"	"	"
"	Inverness	20-24	"	Montreal	10-15	"	"	"
"	Drummondville	20-24	"	Terrebonne	12-21	"	"	"
Superior	Quebec	20-25	Superior.	Montreal	17-27	"	"	"
Circuit.	"	20-25	Circuit.	"	10-15	"	"	"
"	"	1-5 Decemb.	Superior.	Ste. Scholastique	7-12	"	"	"
"	"	20-25	Circuit.	Montreal	10-15	"	"	"
"	"	"	Superior.	Terrebonne	12-21	"	"	"
"	"	"	Circuit.	Montreal	17-27	"	"	"
"	"	"	Superior.	"	10-15	"	"	"
"	"	"	Circuit.	"	17-27	"	"	"

DISTRICTS OF KAMOURASKA AND RIMOUSKI.
Assigned to Mr. Justice Taschereau.

COURT.	WHERE HELD.	WHEN HELD.
Ses. Peace	Kamouraska	7 January.
Circuit.	"	7-12 Feb'y.
Superior.	"	13-19
Circuit.	Isle Verte	7-10 March.
"	St. Germain	7-12
Superior	Rimouski	13-19
Q. B., Crim	Kamouraska	5-10 April.
Circuit.	"	7-12 May
Superior.	"	13-19
Circuit.	Rimouski	7-12 June.
Superior.	"	13-19
Circuit.	Isle Verte	1-10 July.
Ses. Peace	Kamouraska	15
Circuit.	"	7-12 October.
Superior.	"	13-19
Q. B., Crim	Rimouski	21-26
Circuit.	"	7-12 Novemb.
Superior	"	13-19
Circuit.	Isle Verte	1-10 Decemb.

Registry Offices and Registrars of Lower Canada.

DISTRICT.	NAME OF REGISTRATION COUNTY OR DIVISION.	EXTENT OF REGISTRATION COUNTY OR DIVISION.	WHERE HELD.	NAME OF REGISTRAR.	
QUEBEC	Quebec	City and County of Quebec	Quebec	Chs. N. Montizambert.	
	Portneuf	County (1) of Portneuf	Cap Santé	Roger Lelièvre.	
	Montmorency	of Montmorency (except Island of Orleans, &c.)	Chateau Richer	Louis C. Lefrançois.	
	Orleans (Island of)	Islands of Orleans, Beaux, and Madame	St. Laurent (Island of Orleans)	Pierre Gosselin.	
	Dorchester, 2nd Div.	County of Levis	Point Levy	François M. Guay.	
	Lotbinière	of Lotbinière	Ste. Croix	Rém. S. Noel.	
	Montreal	City of Montreal and Counties of Hoche-laga and Jacques-Cartier.	Montreal	Georges H. Ryland.	
	Chambly	County of Chambly	Longueuil	Thomas Austin.	
	Huntingdon, 1st Reg. Div.	Laprairie	Laprairie	Tancrède Sauvageau.	
	Laval	Laval	Ste. Rose	François X. Dismard.	
MONTREAL	Soulanges	Soulanges	Coteau Landing	Georges H. Dumesnil.	
	Vaudreuil	Vaudreuil	St. Michel de Vaudreuil	Fran. de Salas Bastien.	
	Verchères	Verchères	Verchères	Félix Geoffrion.	
	Champlain	Champlain	Ste. Geziève de Batiscan	Elie Rivet.	
	Maskinongé	Maskinongé	Rivière du Loup	Joseph Ed. Pichette.	
	Nicolet	Nicolet	Bécancour	Joseph Jutras.	
	St. Maurice	St. Maurice and Town of Three Rivers	Three Rivers	Louis G. Duval.	
	Richmond	Richmond	Richmond	Georges Hope Napier.	
	Sherbrooke	Town of Sherbrooke and Counties of Compton and Wolfe	Sherbrooke	William Ritchie.	
	Stanstead	County of Stanstead	Stanstead Plain	Chas. A. Richardson.	
GASPE	Bonaventure	Bonaventure	New Carlisle	Joseph G. Le Bel.	
	Gaspé	Gaspé	Percé	Louis George Harper.	
	Kamouraska	Kamouraska	St. Louis de Kamouraska	Jean G. Taché.	
	Rimouski, No. 1	Temiscouata	St. Jean Baptiste de l'Isle Verte	John Heath.	
	Ottawa	Counties of Ottawa and Pontiac	Aylmer	James F. Taylor.	
	Two Mountains	County of Two Mountains	Ste. Scholastique	Dosithée Dupras.	
	Argenteuil	Argenteuil	Lachute	Daniel de Hertel.	
	Terrebonne	Terrebonne	St. Jérôme	Joseph A. Hervieux.	
	ST. FRANCIS	Richmond	Richmond	Richmond	Georges Hope Napier.
		Sherbrooke	Town of Sherbrooke and Counties of Compton and Wolfe	Sherbrooke	William Ritchie.
Stanstead		County of Stanstead	Stanstead Plain	Chas. A. Richardson.	
Bonaventure		Bonaventure	New Carlisle	Joseph G. Le Bel.	
Gaspé		Gaspé	Percé	Louis George Harper.	
Kamouraska		Kamouraska	St. Louis de Kamouraska	Jean G. Taché.	
Rimouski, No. 1		Temiscouata	St. Jean Baptiste de l'Isle Verte	John Heath.	
Ottawa		Counties of Ottawa and Pontiac	Aylmer	James F. Taylor.	
Two Mountains		County of Two Mountains	Ste. Scholastique	Dosithée Dupras.	
Argenteuil		Argenteuil	Lachute	Daniel de Hertel.	

(1) By County is meant the Electoral County as described in the 16 Vic. cap 152 (Parliamentary Representation Act.)
 (2) All the Proclamations here mentioned have been published in the "Canada Gazette."

Registry Offices and Registrars of Lower Canada.—Continued.

DISTRICT.	NAME OF REGISTRATION COUNTY OR DIVISION.	EXTENT OF REGISTRATION COUNTY OR DIVISION.	WHERE HELD.	NAME OF REGISTRAR.
JOLIETTE	{ Joliette	County of Joliette	Industry	Jean Ovide Le Blanc.
	{ Leinster	"	L'Assomption	Marcel Poirier.
	{ Montcalm	"	St. Julien	Joséph Ed. Beaupré.
	{ Richelieu	"	William Henry	Pierre R. Chevallier.
	{ Berthier	"	Berthier	Jean Octave Chalut.
RICHELIEU	{ Yamaska	"	St. François du Lac	Jean Olivier Arcand.
	{ 1st Division of Charlevoix and Saguenay	{ County of Saguenay, and St. Etienne Ste. Agnès, St. Irénée, St. Fidèle, Calcières and DeSales	{ St. Etienne	Charles Duberger.
SAGUENAY	{ 2nd Division of ditto	Remainder of Charlevoix	Baie St. Paul	Télesphore Forfin.
	{ Chicoutimi	County of Chicoutimi	Chicoutimi	Ovide Bossé.
CHICOUTIMI	{ Rimouski, No. 2	County of Rimouski	Rimouski	Louis François Garon.
	{ L'Islet	Countries of L'Islet and Montmagny	L'Islet	Joséph David Lépine.
MONTMAGNY	{ Bellechasse	County of Bellechasse	St. Michel	Pantaleón Fargues.
	{ Beauce	"	St. François	Jean P. Proulx.
BEAUCE	{ Dorchester	"	St. Hénédine	Alexis Godbout.
	{ Megantic	"	Leeds	Jéhu R. Lamblé.
ARTHABASKA	{ Arthabaska	"	St. Christophe	Edouard M. Poisson.
	{ Drummond	"	Drummondville	Edmond Cox.
BEDFORD	{ Shefford	"	Waterloo	Joséph N. Edgerton.
	{ Brome	"	Knowlton	Hiram S. Foster.
ST. HYACINTH.	{ Missisquoi	"	Bedford	Richard Dickson.
	{ St. Hyacinth.	Old County (1) of St. Hyacinth.	St. Hyacinth.	Horace St. Germain.
IBERVILLE	{ Rouville	County of Rouville	Ste. Marie de Monnoir	Louis E. P. Laberge.
	{ St. Johns	"	St. Johns	Louis Marchand.
BEAUHARNOIS.	{ Napierville	"	Napierville	Ephrem Bourichard.
	{ Rouville (2)	"	St. Athanase	Frs. Ferd. Z. Hamel.
BEAUHARNOIS.	{ Beauharnois	"	Beauharnois	V. A. L. De Marigny.
	{ Chateauguay	"	Ste. Martine	George Aimé Beaudry.
BEAUHARNOIS.	{ Huntingdon	"	Huntingdon	Isaac Jackson.

(1) By Old County is meant the Electoral County as existing before the 16 Vic. cap 152.

(2) The parts of the Old County of Rouville remaining after the Proclamation of the New Registration County of the same name; the County of Iberville not being yet proclaimed a County for Registration purposes.

of the late in a Ph. Ten C. Est. Alex. T. in F. Nov. Te June ing v. A. durin Decr from On gular Co tice; C. C. Robert cham Thi Co Hon. clerk The sists of the

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.

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

Sherbrooke—8th January, April, July, and October.

Kamouraska—7th January and 15th July.

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

James Green and P. Antoine Doncet; 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 2nd 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 practical 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.

(2) The County of Iberville is meant the Electoral County as existing before the 16 Vic. cap. 152. The parts of the Old County of Iberville remaining after the Proclamation of the New Registration County of the same name; the County of Iberville not being yet proclaimed a County for Registration purposes.

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'Original 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 Sittings, at Toronto.

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

POST OFFICE DEPARTMENT.

HON. SIDNEY SMITH, Post Master General; W. H. Griffin, Deputy Post-master General; H. A. Wicksteed, Accountant; Edwin E. King, Secretary; John Ashworth, Cashier. Money Order Branch.—P. Lesueur, Superintendent.

CLASSIFICATION OF CLERKS

- 1st Class—H. S. Weatherly, W. G. Sheppard, R. M. Julyan, E. C. Hayden, R. Oliver, D. Lawson, J. T. McCuaig, W. White.
2nd Class—J. T. Stewart, J. Andette, Peter Holt, Charles McKenzie.
3rd Class—John Bond, W. D. Lesueur, George Dormor, J. Brophy, J. McMahon, E. H. Benjamin, R. Stewart, D. Waters, George Mason.
4th Class—Brinsley King, G. H. Hargrave.
John Hinifin, Office keeper; Michael Lawler, Messenger.

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- Montreal Division.—E. S. Freer, Inspector; C. W. Hayden, W. Ross and J. Loofe, Clerks.
Kingston Division.—M. Sweetman, Inspector; T. A. Mulkins, Clerk.
Toronto Division.—John Dewe, Inspector; H. W. Jackson, J. T. Medworth and T. Jolley, Clerks.
London Division.—Gilbert E. Griffin, Inspector, G. Cox, C. T. Weyland and P. Dewar, Clerks.

MONTREAL.

J. B. Meilleur, M. D., L.L.D., Postmaster: James Simpson, Assistant Postmaster; P. W. Cooper, B. McEvenue, M. Emery, B. A. R. Huddle, McDuff Simpson, M. Murphy, J. Mailand, A. Benoit, John McKeon, Alex. Roberston, L. Malard, W. McGillyray, John Muir and O. Raymond, Clerks; P. Oreilly, John J. Drew, A. Buger and L. Lafricain, Letter Carriers.

Office Hours.

From Eight a. m. to Seven 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 fractions of a half-ounce as a full rate, thus:

Not exceeding ½ ounce	.....	3d.	Postage.
More than ½ oz and not exceeding 1 oz	.....	1 oz, 6d	do
Ditto 1 oz	ditto	.....	1½ oz, 9d
Ditto 1½ oz	ditto	.....	2 oz, 1s
Ditto 2 oz	ditto	.....	2½ oz, 1s 3d

The single Packet rate for Letters by the Atlantic Steam Packet Mails to and from England, via the United States, is 8d sterling, 10 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, 7½d, 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 7½d. currency per half-ounce.

Pre-payment to any of the foregoing 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.

FARM MANAGEMENT.—It is an interesting subject for inquiry, why different men with the same opportunities, variously fail or succeed, after years of equal labor. One will become rich, the other poor, on the same piece of land. One has had continued prosperity, and doubled or tripled his capital. The other has met with nothing but difficulty, misfortune, and "hard times." Instead of increasing his capital, he has become heavily involved in debt. His farm has run down and diminished in value. Altogether, he has come to the conclusion, that except with a *lucky few*, farming is a very hard, slavish, non-paying occupation.

His successful neighbor on the other hand, has adopted a very different opinion. His crops are good, with scarcely an exception—his fences impenetrable—his fields without a weed—his farm-buildings and barnyards, models of neatness—his cattle and sheep richly marked with improved blood, in fine condition, and eagerly sought in market at high prices—his fruit trees are bending under their rich loads, and his dwelling and door-yard a gem of rural beauty. He has "not quite yet" concluded to give up the business of agriculture for feverish speculation, nor for the close, pent up, and anxious life of city trade.

There is no lack of examples of both of these kinds of farming. The writer knows two men, now under fifty, who began active life in farming at about the same period—the first with very little property, the other with a beautiful hundred-acre farm. The first in less than twenty years had accumulated enough to buy seven hundred acres of the best land in that fertile region, and his average net profits were between four and five thousands dollars a year. The other, with the fine hundred-acre patrimony, has worked equally hard, but he has not an acre left him, and was insolvent.

PROTECTING YOUNG FRUITS.—Hardy as well as tender strawberries should be covered for winter, because if hardy they will make an earlier start, and ripen their crops sooner; and if tender will often escape destruction. Coarse litter is good, but evergreen boughs are better. Trimmings of nursery trees spread over the bed and covered with straw, make a good protection and give the plants more air. The cultivated raspberries and blackberries need protection, where the largest and earliest crops are desired. The latter may be most readily covered with two inches of earth, first bending and pegging them down; and to prevent breaking, making a small mound of earth against the foot of the stems, of which only five or six of the best should be left in each stool.

FATTENING FOWLS.—If it is desired to fatten fowls in a very short time, they should be confined in small coops. Baily says:—"A coop for twelve fowls (Dorkings) should be thirty inches high, three feet long, and twenty-two inches deep; it should stand about two feet from the ground, the front made of bars about three inches apart, the bottoms also made of bars about an inch and a-half apart to insure cleanliness, and made to run the length of the coop, so that the fowl constantly stands, when feeding or resting, in the position of perching; the sides, back and top may be made the same, or the back may be solid." Some writers think it better to make half of the floor a little inclined, and to cover it with a board. Troughs for food and water should be fastened around the edge of the coop, and the whole placed in an out-building,

as a barn or shed, away from other fowls. For the first twenty-four hours give water, but no food. On the second day commence feeding regularly three times daily with the most nutritious food, such as oatmeal mixed with milk, boiled wheat, &c., &c. The troughs should be cleansed daily, and a plenty of fresh clean water given; and the fowls must be fed very early in the morning, and all they will eat at all times. In from fourteen to twenty days they will be in their best condition, when they should be killed, for if kept longer they soon become diseased.

Poultry may be fattened quicker and more perfectly by stuffing, but it is an unnatural as well as an inhuman practice, and we cannot recommend it.

Dorking, Spanish, Game Hamburgh, and Polish chickens hatched the last of May, in latitude 43° , will do well to fatten when three months old, but Shanghæ, Malay and Java chicks should be at least a month older.

CUTTING GRAFTS.—There is no better time to cut grafts than at the commencement of winter. In cutting and packing them away, there are some precautions to be observed. In the first place, let them be amply and distinctly labeled, as it is very annoying to find the names gone at the moment of using them. For this purpose they should be tied up in bunches, not over two or three inches in diameter, with three bands around each bunch—at the ends and middle. The name may be written on a strip of pine board or shingle, half an inch wide, a tenth of an inch thick, and nearly as long as the scions. This, if tied up with the bunch, will keep the name secure. For convenience in quickly determining the name, there should be another strip of shingle, sharp at one end, and with the name distinctly written on the other, thrust into the bundle with the name projecting from it. If these bunches or bundles are now placed on ends in a box, with plenty of damp moss between them and over the top, they will keep in a cellar in good condition, and any sort may be selected and withdrawn without disturbing the rest, by reading the projecting label. We have never found sand, earth, sawdust, or any other packing substance, so convenient, clean, and easily removed and replaced, as moss, for packing grafts. It is needful, however, to keep an occasional eye to them, to see that the proper degree of moisture is maintained—which should be just enough (and *not a particle more*), to keep them from shrivelling. They must, of course, be secure from mice.

Plum grafts, which are sometimes injured by intense cold are generally better if cut before the approach of the severest weather, and securely packed away.

COMPOST FOR GARDENS.—*Principal ingredients*—Stable manure, more or less, and turf from fence corners: these laid in alternate layers, a few inches thick, and occasionally added as other materials increase. *Auxiliary ingredients*—Weeds, litter, rakings of leaves, potato tops, wood and coal ashes, soapsuds, dish water, refuse hair, dust from house sweeping, chicken and fish bones, gutter scrapings, and nearly every thing else that would be "dirt" elsewhere. Rotted a year in a heap, and these ingredients will form a valuable compost, to the benefit and neatness of the premises.

APPLES FOR DOMESTIC ANIMALS.—Sweet apples are of great value in feeding almost any kind of farm animals. Hogs fatten rapidly on them as well as on those that are acid. Cows, fed moderately at the start, on well cracked or cut apples to prevent choking, will increase in milk and improve in condition. Apples form an excellent succulent food for horses

in winter. Varieties should be specially sought for feeding animals, combining hardiness, thriftiness and great bearing qualities. Among the best now known are Corlies' Sweet, Pumpkin Sweet, and Haskell Sweet for autumn—and Green Sweet for long keeping. At the west, the Hightop or Summer Sweet is the best early sort, and the Sweet Pearmain and Sweet Romanite for autumn and winter.

PRODUCTIVE APPLE TREES.—For early, and great and continued bearing, the *Baldwin* will probably stand first—five or six-years trees often affording three or four bushels of fruit, and old trees sometimes yielding forty or fifty bushels. Next to the *Baldwin*, stands the *Jonathan*—a most excellent and very handsome apple, but rather small in size. The *Rhode Island Greening*, and *Tompkins County King*, are also great bearers, but do not give such early crops as the *Baldwin* or *Jonathan*.

DRAINING ORCHARDS.—It is best to place underdrains *between* the rows of trees—because, first, the large roots sometimes run down and injure or derange the channel; and secondly, because it is the space between the rows that is covered by the great mass of small fibrous roots which furnished the nutriment to them. As dwarf peas do not send roots so far nor so deep, they may be set directly over the drain if desired.

OPERATIONS IN THE ORDER OF TIME.—The vital consequence of doing every thing at the right season, is known to every good farmer. To prevent confusion and embarrassment, and keep all things clearly and plainly before the farmer at the right time, he should have a small book to carry in his pocket, having every item of work for each week, or each half month, laid down before his eyes. This can be done to the best advantage to suit every particular locality and difference of climate, by marking each successive week in the season at the top of its respective page. Then, as each operation severally occurs, let him place it under its proper heading; or, if out of season let him place it back at the right time. Any proposed improvements can be noted down on the right page. Interesting experiments are often suggested in the course of reading and of observation, but forgotten when the time comes to try them. By recording them in such a book under the right week, they are brought at once before the mind. Such an arrangement as this will prevent a great deal of the confusion and vexation too often attendant on multifarious cares, and assist very essentially in conducting all the farm work with clock-work regularity and satisfaction.

In reviewing the various items which are most immediately essential to good farm management, some of the most obvious will be—capital enough to buy the farm and to stock it well; to select a size compatible with these requisites; to lay it on the best manner; to provide it well with fences, gates, and buildings; to select the best animals and the best implements to be had reasonably; to bring the soil into good condition, by draining, manuring, and good culture; to have every part under a good rotation of crops; and every operation arranged, so as all to be conducted systematically, without clashing and confusion. An attention to all these points would place agriculture on a very different footing from its present condition in many places and with most farmers. The business then, instead of being repulsive, as it so frequently is, to our young men, would be attended with real enjoyment and pleasure.

But in all improvements, in all enterprises, the great truth must not be forgotten, that success is not to be expected without diligence and industry. We most sow in spring, and cultivate well in summer, if we would

reap an abundant harvest in autumn. When we see young farmers commence in life without a strict attention to business, which they neglect for mere pleasure, well may we in imagination see future crops lost by careless tillage—broken fences, unhinged gates, and fields filled with weeds—tools destroyed by heedlessness, property wasted by recklessness, and disorder and confusion triumphant; and unpaid debts, duns, and executions, already hanging over the premises. But, on the other hand, to see cheerful faced, ready-handed industry, directed by reason and intelligence, and order, energy and economy guiding the operations of the farm—with smooth, clean fields, and neat, trim fences—rich, verdant pastures, and fine, cattle enjoying them, and broad waving meadows and golden harvests, and waste and extravagance driven into exile, we need not fear the success of such a farmer—debts cannot stare him in the face, nor duns enter his threshold.

MOONLIGHT.

Professor Smith, the Astronomer Royal for Scotland, in his interesting account of a recent scientific expedition to the Peak of Teneriffe, has set at rest the often-discussed question of the heat of moonlight. He says that his thermometrical instruments were sensibly affected by the moon's rays, even at the lowest of two stations occupied by him at different elevations. In tropical climates, meat which is exposed to moonlight rapidly becomes putrid; and in the West Indies, the negroes, who will lie sweltering and uncovered beneath the full glare of a tropical sun, carefully muffle their heads and faces when exposed to the moonbeams, which they believe will cause swelling and distortion of the features, and sometimes even blindness.

TO ASCERTAIN THE LENGTH OF THE DAY AND NIGHT.

At any time of the year, add 12 hours to the time of the sun's setting, and from the sun subtract the time of rising, for the *length of the day*. Subtract the time of setting from 12 hours and to the remainder add the time of rising next morning, for the *length of the night*. These rules are equally true for *apparent time*.

POLL EVIL IN HORSES—For the benefit of those who have or may hereafter have horses that have poll evil or fistula, I would say, don't sell the animal for a trifle, or give him away; but cure him sound and well. I care not how long it has been running, it can be cured with one dime's worth of Muriatic Acid will cure the worst case of old poll evil. First, wash the sore well with strong soap suds, then drop eight or ten drops of the acid in it twice a day, until it has the appearance of a fresh wound; after which, it should be washed clean with suds from Castile soap, and left to heal, which it will quickly do if the acid has been long enough; but if it does not get well, apply the acid again until it does cure, for it is a sure remedy, and will not fail if it is applied until the diseased flesh is all burnt out.—*Prairie Farmer*.

SHIPPING AND TONNAGE OF GREAT BRITAIN.—On January 1, 1857, there were in Great Britain 24,480 registered sailing vessels, with a tonnage of 3,981,494; and of registered steam vessels, 1,697, with a tonnage of 386,462. In the colonies, etc., 8,615 sailing vessels, 239 steamers, with a tonnage of 780,116 tons. The coasting trade was *inwards*, 152,383 British vessels, with a tonnage of 15,278,819; and 307 foreign vessels, with a tonnage of 53,489; *outwards*, 156,212 British vessels, with a tonnage of 15,356,647; and 227 foreign, with a tonnage of 40,312. Ves-

sels built, 888 timber and 33 iron sailing vessels, and 54 timber and 175 iron steam vessels, with a total tonnage of 244,578 tons. 719 sailing, and 35 steam vessels wrecked.

TABLE OF SIMPLE INTEREST AT SIX PER CENT.

Principal.	One Month.		One Year.		Principal.	One Month.		One Year.	
	D.	C. M.	D.	C. M.		D.	C. M.	D.	C. M.
Cents. 10 0	0	0 0	0	6	Dollars, 6 0	3	0 0	36	0
" 50 0	0	2 0	3	6	" 7 0	3	5 0	42	0
Dollars, 1 0	0	5 0	6	0	" 8 0	4	0 0	48	0
" 2 0	1	0 0	12	0	" 9 0	4	5 0	54	0
" 3 0	1	5 0	18	0	" 10 0	5	0 0	60	0
" 4 0	2	0 0	24	0	" 21 0	10	0 0	126	0
" 5 0	3	5 0	30	0	" 30 0	15	0 0	180	0

The interest of any sum in dollars for 6 days, is the same sum in mills: viz. of \$100, 100 mills, or 10 cents; of \$6,000, 6,000 mills, or \$6 00, etc. Money at compound interest will double itself in 11 years, 10 months, and 22 days.

PREPARING WOOL FOR MARKET.

This is a very important question, both for the wool grower and manufacturer. There are three ways of doing it. The easiest and best is that recommended a few years ago by Messrs. Perkins and Brown of Ohio, of wetting the sheep and allowing them to stand in the yard, until they become warm; when the oil becomes "soapy," requiring but little labor afterwards to wash them entirely clean, and shear in three days, or as soon as dry. Another way is to wash without the "soaking and warming" process;—the way usually practised,—leaving a large proportion of oil in the fleece, and allowing them to run from one or two weeks before being sheared. The third is to shear without washing.

But the question is—how should wool be prepared for market? The answer may be given, whether the method first described should be followed, or the usual way of washing and shearing, there should be uniformity in doing it in each locality depending upon the same market.

As the oil cannot be taken out by the common method of washing without injury to the sheep, they may be considered clean when the water runs clear from the fleece, and should not (unless prevented by bad weather) be allowed more than six or eight days before shearing. In doing up the fleeces, all the washed wool belonging to it should be rolled up in such a manner, as to give it the best appearance. There is no fraud in this, as it is not only expected, but desired by the purchaser. The practice of using an unnecessary quantity of twine, because there is profit in it, or of rolling in manure and filth, cannot be too strongly condemned. Let there be uniformity in each locality, and a consciousness of having done it honestly, in all who prepare wool for market, and all will be right.—*Rural New Yorker.*

MEDICAL USE OF SALT.—In many cases of disordered stomach, a teaspoonful of salt is a certain cure. In the violent internal aching, termed Cholic add a teaspoonful of salt to a pint of cold water; drink it and go to bed; it is one of the speediest remedies known. The same will revive a person who seems almost dead from receiving a heavy fall, &c. In an apoplectic fit, no time should be lost in pouring down salt and water, if sufficient sensibility remain to allow of swallowing; if not, the head must be sponged with cold water until the sense returns, when the salt

will completely restore the patient from the lethagy. In a fit, the feet should be placed in warm water, with mustard added, and the legs briskly rubbed, all bandages removed from the neck, and a cool apartment procured, if possible.—In many cases of severe bleeding at the lungs, and when other remedies failed, Dr. Rush found that two teaspoonful of salt completely stayed the blood. In case of a bite from a mad dog, wash the part in strong brine for an hour, and then bind on some salt with a rag. In toothache, warm salt and water held to the part, and removed two or three times, will relieve it in most cases. If the gums be affected, wash the mouth with brine. If the teeth be covered with tartar, wash them twice a day with salt and water. In swelled neck, wash the part with brine, and drink it also, twice a day, until cured.

Salt will expel worms, if used in food in moderated degree, and aids digestion, but salt meat is injurious, if used much.—[Ex.

THE KITCHEN GARDEN.

Improving Vegetables by Care in Saving the seed.

It has been beautifully written "a wild carrot accidentally found in cultivated ground, refuses to run to seed, but employs itself in building up a root stouter than any carrot had before. The watchful eyes of a gardener remark the change; the changeling, still a sprout, flowers at last; its precious seeds are saved, and committed to still richer ground. Nine-tenths of the seedlings run back to the wild form—your carrot is but an intractable gentleman after all—but a very few prove obedient to the will of man, shake off their savage habits, refuse to flower till the second year; meantime spend their autumn and winter in the further enlargement of their roots, then rise up in blossom invigorated by six months' additional preparation, and yield more seeds, in which the fixity of character or if you will, the habit of domestication, is still more firmly implanted. And thus begins the race of carrots." Here we have the one idea sought after of increasing the size of the roots, transforming a dry sticky substance into material fit for food.—Other parts are improved or altered in the same way. Most vegetables owe their present state to a similar process, either accidentally performed by nature or assisted by art.

Vegetables of the same kind, as peas, ripening at different seasons, were all obtained by selecting a few pods which showed symptoms of earliness, and sowing them by themselves, the same culled over again until a fixity of character was secured. Let any one try the experiment of picking over a quantity of peas or beans for the very largest, and sow, with an equal quantity of the smallest perfect ones that can be found of the same kind, and mark the difference of each's produce: and they will need no further proof of what are will do in seed-saving.

Another thing too which should not be forgotten, is that if it be wished to save seed of any particular kind pure, others of the same family should not be in flower near at the same time, or the busy bees, or a waft of wind, will frustrate the design by producing a set of mongrels.

Especially is this true of the *Cucurbitaceæ*, or cucumber family. See how many forms different exhibitors will produce under the same name at our fairs in squashes and pumpkins, so much so that it is extremely difficult to see the true Boston Marrow squash. It is entirely owing to their being fertilized by other and in this case very inferior kinds.—Very

great care is necessary in preserving any of this kind of plant pure, which should not be lost sight of when selecting the fruit it is intended to save the seed from. It is well known that the smooth tomato though a good deal smaller than the uneven kind will often come, is earlier, and preferred for the table through its being solid, and there is no reason why a smooth solid kind, equal in size to the rough, could not be produced, and which would be an acquisition. It only requires care and perseverance in seed-saving, on the principles above enunciated. Who will enter into the subject with spirit? There is no use in continually being dependent on other countries for new things when the principle of obtaining them lies at our own doors, with a climate second to none for obtaining the most perfect seed. It would be hard to say that there is not yet even many a wild plant, which with the proper treatment, might be made to administer to man's comfort. E. SANDERS, in *Co. Gent.*

OUR VINEGAR PLANT.—We spoke last April of a Vinegar Plant given us by a lady friend in Webster. We took it home to our office, procured at an apothecary's store one of his largest glass jars, holding some two gallons, filled it with common sweetened water, committed the plant to it, and there it has been ever since spreading its folds upon the surface, till it was evident that the vinegar had become strong enough almost for the death of the plant; whereupon, this week, we removed the original sweetened water, and supplied its place with new water for the plant to work upon. On drawing off the vinegar, it was found very strong indeed,—almost as strong as ley, and for ordinary table purposes it will require to be diluted with fresh water.

There is no mistake about it—this vinegar plant will keep our family in the purest vinegar as long as we shall need such an article.—*Rural Intelligencer.*

GOOD AND BAD SEED CORN.—There has been a very general complaint this spring that corn has failed in coming up; many fields have had to be planted the second and some the third time. This no doubt has been owing to two causes. First, the unusually wet and cold spring, and secondly, the seed not properly secured, has been generally bad. Last fall was very wet, and corn placed in large bins heated to such a degree as in many instances to destroy vitality.

The germ of corn is very tender,—particularly so—and but little fermentation is necessary to prevent it from coming up. A person in this neighborhood, who selected his seed last fall when he was husking, and braided the husks of the ears, and hung them in his crib, had scarcely a single failure in a large field—indeed, he said that he had never known corn to come up more evenly before in his life—although he planted very early. The cause, no doubt, owing mainly to his seed being properly secured last fall. The damage resulting from corn failing to come up, has been very great—which might have no doubt been in a great measure prevented, by adopting the above mentioned course.—*Co. Gent.*

USEFUL RECEIPTS.

Raspberry Jam.—Pass the raspberries through a fine sieve to extract their seeds, add to them their weight in fine, white sugar, boil them, and stir them over the fire until you can see the bottom of the stew pan.

Blackberry Jam.—Boil the blackberries with half their weight of coarse

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moist sugar, keeping them stirred constantly. A stew-pan is not a necessary vehicle; the most common tin sauce pan will answer the purpose equally well. The cheapness of this homely delicacy, besides its sanative properties, renders it particularly desirable for scantily furnished tables. If the berries be gathered in wet weather, an hour will not be too long a time to boil them.

Gooseberry Jam.—Pick and clean red gooseberries, thoroughly ripe. Boil them by themselves for twenty minutes, skimming them frequently. Then add brown sugar, in the proportion of one pound of sugar to one pound of fruit. Boil for half an hour after the sugar is in. Skim it, and pour it into earthenware jars. When cold, paper up the jars, and set aside in a dry cool situation. Strawberry and black currant jams are made in precisely the same manner as the above; but instead of brown, use lump sugar.

Self-Sealing Fruit Cans.—Take a common fruit-jar, with a tin cover, made like a shoeblack box. The jar and the cover will probably cost a dime, and hold a quart. Any of the cements that are used for sealing cans or jars will do for this.—Heat your fruit, either in the jars or in some other vessels, and pour it into the jars, (previously warming them.) Now pour enough cement in the cover to give the bottom and side a thin coat. When the cement becomes slightly stiff, apply the cover over the jar, the jar having been well filled, and turn the jar *upside down*: and here is the invention.—As fruit jars have a lip, you now have a little trough to fill with cement, and the work is done. Let your jars get cold *standing on the covers, and put them away in the same position*. It is the steam escaping in the common way of sealing or soldering cans, that leaves so many of them imperfect. My plan entirely obviates this difficulty, as the steam of vapor is always on top of the fruit. This arrangement, you perceive, is merely a chemist's *pneumatic trough*, and there is no danger when the fruit has cooled down and created a vacuum, that the extended atmospheric pressure will *force the corks in*.

Soap for Washing.—The *American Agriculturalist* is responsible for this recipe:—to each pound of common hard soap, add $\frac{1}{2}$ to $\frac{1}{4}$ oz. common borax, pulverized, and one quart water. Put the water into a tin pan or other convenient vessel, and place on the stove; Put in the borax, and then add the soap, cut in small, thin pieces. Keep them hot, but not boiling, for several hours, until the soap is dissolved. When cool, it will be double the quantity, and thus save one half. Rub the dirtiest part of the clothes with this compound, and soak them over night, if convenient, or an hour or two in the morning.—This mixture does not cut the hands and is adapted to all sorts of clothes—calicoes, flannel, &c., as well white cotton or linen. They are to be washed, boiled and rinsed, as usual, but the labor of *rubbing* is greatly lessened.

BRITISH POST-OFFICE.—In 1856, the total number of letters delivered in Great Britain, was 478,393,803; of which, 388,309,853 were in England and Wales; 41,851,008 in Ireland; and 48,232,942 in Scotland. The number of newspapers was 71,009,000; and the number of book packets nearly 3,000,000. The gross revenue was \$14,384,770; expenses \$8,301,145; net revenue, \$6,038,625. The total number of money-orders was 6,178,982, to the amount of \$48,027,810, being an increase of $7\frac{1}{2}$ per cent, over the previous year. So much for *cheap postage!*

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