

R. & A. MILLER'S

GANADIAN

FOR THE

YEAR OF OUR LORD .

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

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

#### EDITION OF THIRTY THOUSAND.

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

PUBLISHED BY R. & A. MILLER, Montreal, 69, ST. FRANÇOIS XAVIER STREET. Toronto: 87, YONGE STREET.

PRINTED BY JOHN LOVELL, ST. NICHOLAS 'STREET,

# R. & A. MILLER'S

# Explanation of Calendar Pages.

The Publishers of this Almanac, with a view to increase its circulation and usefulness, have adapted its calculations for the whole country. The Moon's changes are calculated 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 will be found as usual. The rising and setting of the Moon are given with sufficient exactness for all practical purposes. The weather prognostications are again calculated according to the table of the celebrated Dr. Herschel, and for extraordinary accuracy Miller's Almanac retains its wonderful popularity.

# Chronological Cycles.

Dominical Letter	F.	Julian Period	6574	
Golden Number	19	Jewish year commencing 14th		
Jewish Lunar Cycle	16	January, 1860,	5622	
Epact or Mocn's Age,	18	Age of the World	5864	
Solar Cycle,				

# Mobeable festibals.

Septuagesima Sunday, Jan. 27	Low Sunday April	7
Quinquagesima " Feb. 10		5
Ash-Wednesday " 13	Ascension Day "	1 M
First Sunday in Lent " 17	Whitsunday 44	19
Palm Sunday March 24	Trinity Sunday "	26
Good Friday 44 29	Corpus Christi, Fete-Dieu, "	30
Easter Sunday " 31	Advent Sunday Decr.	1

# Holidays obserbed at Public Offices.

		Corpus ChristiMay St. Peter and St. PaulJune	
	25	All Saints Day Nov.	
Ascension Day May	9	Virgin MaryDec. Christmas Day	

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## ECLIPSES DURING THE YEAR 1861.

- During this year there will be four Eclipses, three of the Sun and one of the Moon.
- I.—On the 10th of January there will be an Annular Eclipse of the Sun, but it will not be visible in America.
- II.—On the 7th of July there will again be an Annular Eclipse of the Sun, but this also will not be visible here.
- III.—On the 17th of December there will be a partial Eclipse of the Moon very early in the morning, visible about one-fifth of the Moon's disc. At Montreal it will begin at 33 minutes past 2, and end at 15 minutes past 4. At Toronto it will begin at 9 minutes past 2, and end at 51 minutes past 3.
- IV.—On the 31st day of December there will be a total Eclipse of the Sun, but only partial in this country. On that day the Sun will rise eclipsed about 6 digits. To those who delight in such phenomena, this eclipse will afford much, although brief, pleasure.

			D.	н.	M.	
Vernal Equinox,	begins		20	9	40 Morn.	
Summer Solstice,	44	June	21	6	27 Morn.	
Autumnal Equinox,	"	September	22	8	40 Even.	
Winter Solstice,	.66	December	21	2	27 Even.	

DURATION	077	TTTT	QT A QA	NTC	Section
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	D.	н.	м.	D.	н.	м.
Sun in Winter Signs	89	1	9	Tropical Year	5	44
Sun in Spring Signs	92	20	35	Sun N. of the Equator 186	10	48
Sun in Summer Signs	93	14	13	Sun S. of the Equator 178	18	56
Sun in Autumnal Signs .	89	17	47	Difference 7	15	52

# APPEARANCE OF THE PLANETS, 1861.

Until May 11th Venus will be Morning Star, and then Evening Star the rest of the year. Until August 27th Mars will be Evening Star, then Morning Star the rest of the year. Until February 10th Jupiter will be Morning Star, then Evening until August 30th, then Morning the rest of the year. Until February 24th Saturn will be Morning Star, then Evening Star until September 5th. The transit of Mercury over the Sun's disc, which occurs on the 12th of November, will not be visible in America. On the 12th of May Mars will be eclipsed by the Moon for one hour, between 7. 30 and 8. 30. Mercury may be seen in the West soon after sunset about February 24th, June 22nd, October 17th; and in the East just before sunrise about April 15th, August 13th, and December 2nd.

1st Month.

JANUARY, 31 Days. Begins on Tuesday.

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M	loon's P	hases,	Mo	ntreal.	Kin	gston.	Ton	ronto.	London.	Sun	on Meridian,	
Nev Firs	t Quar v Moon st Quar 1 Moon	ter. 10	8 9 10 8 11	m. 1 ev. 38 ev. 6 ev. 12 ev.	10 2 10 5	0. 9 ev. 1 ev. 4 ev. 0 ev.	8 37 ev. 10 9 ev. 1 10 42 ev. 1		h. m. 8 29 ev. 10 1 ev. 10 34 ev. 11 40 mo,	h. m. s. 12 4 4 19 7 37 12 10 84 12 12 44		
I	ATS.	Mont	treal.	Toro	nto.	Sui Decli		The Moon.				
M.	Week.	Sur. Rists.	Sun Sets.	Sun Rises.	Sun Sets.	Sou	th. R. & S.		Calend	Calendar. Aspects, &		
122345	Tues. Wed. Thur Fri. Sat.	h. m. 7 47 46 46 46 46	h. m. 4 21 22 24 25 26	h. m. 7 40 40 40 39 39 39	h. m. 4 28 29 30 81 32	Deg. 22 22 22 23 22 22 22	Min. 58 52 47 40 33	h. m. 10 10 11 23 Morn. 36 1 50	Some s pecter for so	rcumcision. me snow may be ex ected about this time or some days, especiall f the wind be S. or S. W		
···6789101112	F. Mon. Tues, Wed, Thur. Fri. Sat,	7 45 45 45 44 44 44 45	4 28 29 30 31 32 33 34	7 39 39 38 38 38 38 38 37 37	4 33 34 35 36 37 38 40	22 22 22 22 22 21 21 21	26 18 10 2 53 43 33	3 3 4 15 5 23 6 19 Sets. 5 40 6 47	Epipha Fine Cold Sharp, weath Fair a	f the wind be S. or S. W <i>iphany.</i> Fine day. Cold breezes. arp. real Canadia weather. Fair and frosty. Changeable.		
18 14 15 16 17 18 19	F. Mon. Tues. Wed. Thur. Fri. Sat.	40	4 35 37 38 39 41 42 43	7 87 86 86 35 35 35 35 35 33	\$ 41 42 43 44 45 46 48	21 21 21 20 20 20 20 20	23 13 1 50 38 26 13	7 51 8 53 9 54 10 52 11 52 Morn. 51	Unse Chau Not n later Fine	ist Sun, after Epiphany Unsettled weather. Changeable. Not much thaw un later in the mont Fine and frosty se		
20 21 22 23 23 24 25 25	F. Mon. Tues. Wed. Thur Fri. Sat.	7 37 36 85 34 33 33 33 82	4 45 46 47 49 51 52 53	7 33 32 31 31 29 28 26	4 49 50 52 53 54 56 57	20 19 19 19 19 19 18 18	0 47 33 19 4 50 34	1 53 2 54 3 55 4 53 5 44 6 29 Rises.	The w chan But Janu Conver	n. afl eather geable ther ary t sion d	er Epiphany er will prove a about now e will be a	
27 28 29 30 81	F. Mon. Tues. Wed. Thur	29	4 54 56 58 59 5 00	7 25 25 24 23 23	4 58 5 00 01 02 04	18 17 17	19 3 47 80 14	6 41 7 56 9 9 10 24 11 40	Good Good Cana Irregu	gesin sleigh dn. lar se	a Sunday. ing in Lowe qualls accom th snow.	

JANUARY.—Although it is too late in the winter now to speak of draining, yet it is not improper to remind our farmers of the vast importance of that work. One remark or two will show this. In a very dry season well drained land has more moisture at the surface than land not drained, and it is almost needless to say that undrained soils suffer more in wet weather. It will not do to talk about expense, for experience teaches us that it costs a great deal more to farm badly than on proper and scientific principles. In farming as in many other operations it may be said, "Give and it shall be given unto you." 1861.]

MEMORANDUM FOR JANUARY.

2nd Month.

# FEBRUARY, 28 Days. Begins on Friday.

1861

	_		Contract of the	and the local division of the local division	-		-		and the second s	-	_	-	-
1	foon's l	Phases.	Mo	ontreal	. Kin	gston.	To	oronto.	London.	Sun	on M	erid	ian.
Ne	st Quan w Moon st Quan Il Moon	rter. n rter. 1	2 5 9 3 7 7	m. 6 mo 10 ev. 25 ev. 49 ev.	21	n. 54 mo. 58 ev. 13 ev. 37 ev.	mo.         4         42         mo.         4         34         1           ev.         2         47         ev.         2         39         ev.         2         39         ev.         2         39         ev.         2         39         ev.         6         54         ev.         5         6         5         4         5         6         5<		h. m. 4 34 mo. 2 39 ev. 6 54 ev. 11 18 ev.	9 12 14 31 17 12 14 15			
I	DAYS,	Mont	treal.	Tor	onto.	Sun Decli		The Moon.			<u> </u>		
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Sout	th.	R.& S.	Calenda	r, As	pect	8, 6	С,
12	Fri. Sat.	h. m. 7 27 26	h.m. 5 1 2	h. m 7 24 22	h.m. 5 5 5		Min. 57 39	h. m. Morn. 55	Unsett Purif. q				1.
:0400700	F. Mon. Tues. Wed. Thur. Fri. Sat.	$7 \begin{array}{c} 25 \\ 23 \\ 22 \\ 1 \begin{array}{c} 20 \\ 19 \\ 18 \\ 17 \end{array}$	5 3 4 5 7 9 11 13	$7 \ 21 \\ 20 \\ 19 \\ 16 \\ 15 \\ 14 \\ 13$	5 6 6 7 9 9 11 13	16 15 15 15 14	22 4 45 27 8 49 30	2 7 3 14 4 14 5 3 5 44 6 17 Sets.	Sexagesi There wi of sno the M Some ra nada, change	ill be w thi oon. in in but	a go s qu it	pod d arter	r of Ca-
10 11 12 13 14 15 16	F. Mon. Tues, Wed. Thur. Fri. Sat.	7 16 14 13 11 9 8 6	$5 14 \\ 16 \\ 17 \\ 18 \\ 19 \\ 20 \\ 22$	7 12 11 9 7 6 4 2	5 14 16 17 18 19 20 22	13 13 13 12	10 50 30 10 50 29 8	6 40 7 42 8 42 9 41 10 40 11 41 Morn.	Quinqua Chang Shrove Ash-We ST. VAL Post Offi A stor	eable. Tuesd dnesd ENTIN CO bu	ay. lay. lay. se D. sines	unda	
17 18 19 20 21 22 23	F. Mon. Tues. Wed. Thur. Fri. Sat.	$     \begin{array}{c}       7 & 4 \\       8 \\       1 \\       7 & 00 \\       6 & 59 \\       57 \\       56 \\     \end{array} $	5 24 25 27 28 30 32 34	$\begin{array}{c} 7 & 1 \\ 7 & 00 \\ 6 & 59 \\ 57 \\ 56 \\ 55 \\ 54 \end{array}$	5 24 25 27 28 30 31 33	11 11 10 10 10	47 26 5 43 22 0 38	$\begin{array}{c} & 41 \\ 1 & 41 \\ 2 & 38 \\ 3 & 32 \\ 4 & 20 \\ 5 & 0 \\ 5 & 37 \end{array}$	1st Sund T is Mo and fr be N. If the w there fall.	on's osty, or N.1 ind b	uar quar if th E. e S.	t. ter 10 w	faind wind
24 25 26 27 28	F. Mon. Tues. Wed. Thur.	6 54 52 49 48 47	5 35 37 38 39 40		5 34 35 37 38 39	888	16 53 31 8 46	Rises, 6 46 8 5 9 22 10 39	2nd Sun 24, St. M A most season Chang	fatthi un for	ias. icom a fer	fort	

FEBRUARY.—A practical farmer has said that any farmer who will not drain, may as well give up all idea of other improvements in arable culture, as they cannot be successful on land insufficiently drained. He once thought that open drains would be most suitable for this country, but he came afterward to recommend that they should be covered, about three feet deep, well made with tiles and small stones. This same farmer says whether open or covered the land has to be drained if we expect to raise good and profitable crops. Every farmer wishes for good crops, and in winter he may lay down good plans of operation which in spring and summer he may carry out.

1861] MEMORANDUM FOR FEBRUARY. Cold Friday .... 

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Brd Month.

# MARCH, S1 Days. Begins on Friday.

M	Loon's P	hases.	Mo	ntreal.	King	ston.	Tor	onto.	London. Sun on Meridian.
Ner	t Quart w Moon st Quar 1 Moon	ter 11		m. 22 ev. 43 mo. 38 ev. 21 mo.	8 3	h, ) ev. 1 mo. 3 ev. ) mo.	o. 8 19 mo. 8 11 m . 0 14 ev. 0 6 ev		$ \begin{array}{c c c c c c c c c c c c c c c c c c c $
D	AYS.	Mont	real.	Toro	nto.	Sur Decli		The Moon.	
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises,	Sun Sets.	Sou	th.	R. & S.	- Calendar, Aspects, &c.
12	Fri. Sat.	h. m. 6 45 44	h.m. 5 42 43	h. m. 6 44 42	h. m. 5 41 42	Deg. 7 7	Min. 23 0	h. m. 11 56 Morn.	ST. DAVID'S DAY. Fair and mild for season.
28456789	F. Mon. Tues. Wed. Thur. Fri. Sat.	6 42 40 38 36 34 81 29	5 44 45 47 48 49 51 53	6 40 39 39 34 32 31 29	5 44 46 48 49 50 51 58	6 6 5 5 5 4 4	$57 \\ 14 \\ 51 \\ 27 \\ 4 \\ 41 \\ 17$	$ \begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	which continues mostly through the Moon's last quarter. Tendency to change.
10 11 12 13 14 15 16	F. Mon. Tues. Wed. Thur. Fri. Sat.	$\begin{array}{c} 6 & 27 \\ & 25 \\ & 24 \\ & 22 \\ & 20 \\ & 18 \\ & 16 \end{array}$	554 55 56 58 59 6 1 2	$\begin{array}{c} 6 & 27 \\ & 25 \\ & 23 \\ & 22 \\ & 20 \\ & 18 \\ & 16 \end{array}$	555 56 57 58 6 1 2 3	8 3 2 2 1 1	54 30 7 43 19 56 32	5 34 Sets. 7 31 8 31 9 30 10 32 11 31	With the Moon's characteristic there will be channed in the weather, which will continue unsteady. Some rain, mixed with snow
17 18 19 20 21 22 23	F. Mon. Tues. Wed. Thur. Fri. Sat.	6 14 12 10 9 7 5 8	6 3 4 5 7 8 9 11	6 15 12 10 9 6 5 3	6 4 6 7 8 9 11 12	1 N. 1	8 44 21 2 26 49 13	Morn. 28 1 23 2 11 2 53 3 30 4 3	17, ST. PATRICK'S DAX. Tolersbly fine weather but not agreeable unde foot in Western Canada In the Eastern parts, i
24 25 26 27 28 29 30	F. Mon. Tues. Wed. Thur. Fri. Sat.		6 13 15 16 17 18 19 20	$\begin{array}{c} 6 & 1 \\ 6 & 00 \\ 5 & 58 \\ 56 \\ 54 \\ 53 \\ 51 \end{array}$	$\begin{array}{c} 6 \ 13 \\ 14 \\ 16 \\ 17 \\ 18 \\ 20 \\ 21 \end{array}$	1222333	$87 \\ 0 \\ 24 \\ 47 \\ 10 \\ 34 \\ 57 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 1$	4 32 5 1 Rises. 8 14 9 34 10 49 11 58	Annunciation of V. Mary Very cold rain, if no snow. Certain if wind be in the East. GOOD FRIDAY.
31	F.	5 48	6 21	5 50	6 21	4	20	Morn	EASTER SUNDAY.

MARCH .-- Every farm should have a garden, and every garden should have a bed of asparagus. Do you want to raise it large and good, then take notice of this. A correspondent of the Horticulturist had some as large as his hoe handle perfectly tender and succulent. This was his method of cultivation; one part new dung, to forty parts stable manure, were spread two inches thick in Autumn, and forked in. The next spring this was turned over slightly, and a coating of a quarter of an inch of salt added. This dissolved by rain—killed every weed, while it promoted a vigorous growth of asparagus. Try this and you will have abundance of fine asparagus, perfectly tender.

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APRIL. 30 Days. Begins on Monday.

Moon's Phase	Moon's Phases.		Kingston.	Toronto.	London.	Sun on Meridian.				
Last Quarter. New Moon First Quarter. Full Moon	10 18		h. m. 1 18 mo. 1 50 mo. 1 39 mo. 5 17 ev.		1 30 mo.	1 9 17	h. 12 12 12 12	8 1 59	8. 49 80 27 48	

I	DAYS.	Mont	real.	Tore	onto.	Sun's Declinat.	The Moon.	Calendar, Aspects, &c.
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	South.	R. & S.	Catomar, zapoto, wo
1223456	Mon. Tues. Wed. Thur, Fri. Sat.	h. m. 5 46 45 42 41 1 39 37	h. m. 6 22 23 24 25 27 29	h. m. 5 47 46 44 42 40 38	h. m. 6 21 22 23 25 26 28	Deg. Min 4 43 5 6 5 29 5 52 6 15 6 38	h. m. 55 1 41 2 20 2 50 3 17 8 39	All Fools Day, so called. Easter Tuesday. If the wind be S. or W., weather moderate, built if otherwise, it will be cold and unpleasant.
7 8 9 10 11 12 13	F. Mon. Tues. Wed. Thur. Fri. Sat.	5 35 33 32 30 28 26 24	6 30 31 32 33 34 36 37	5 36 35 33 31 28 26	6 29 31 32 33 34 35 86	$\begin{array}{cccc} 7 & 0 \\ 7 & 23 \\ 7 & 45 \\ 8 & 7 \\ 8 & 29 \\ 8 & 51 \\ 9 & 13 \end{array}$	4 1 4 23 4 46 Sets, 8 25 9 23 10 22	ist Sunday after Easter. Fine day generally. The New Mooh brings un- pleasant times as to the weather. Cold, wet and unsettled. Some high winds.
14 15 16 17 18 19 20	F. Mon. Tues. Wed. Thur. Fri. Sat.	5 22 20 18 17 15 13 11	6 38 40 42 43 44 45 47	524 23 21 20 18 16 14	6 87 39 40 41 42 43 44	9 34 9 E6 10 17 10 38 10 59 11 20 11 41	11 17 Morn. 6 50 1 28 2 0 2 30	2nd Sunday after Easter, Pleasant day. Do. Changeable, This Moon's quarter pro- mises fino, pleasant and agreeable weather.
21 22 23 24 25 27	F. Mon. Tues. Wed. Thur. Fri. Sat.	5 10 8 6 5 3 2 5 00	6 48 49 50 51 53 54 56	5 13 11 9 8 7 5 4	6 45 46 47 48 49 51 52	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2 57 3 25 3 53 Rises, 8 22 9 38 10 42	ord Sunday after Easter. Expect rain. ST. GRORGE'S DAY. The sun shines brightly. St. Mark. Fair weather, but some clouds which
28 29 30	F. Mon. Tues.	4 58 56 55	6 57 58 59	5 2 5 00 1	6 53 54 55	$\begin{array}{rrrr} 14 & 18 \\ 14 & 36 \\ 14 & 55 \end{array}$	11 36 Morn. 19	4th Sunday after Easter. throaten downfall. Month ends pleasantly.

APRIL.-We have thought of describing an unprofitable farmer. Is not this a fair likeness ? In the spring he plows up so much land that he cannot prepare it for planting till his neighbours are nearly ready for hoeing. He is not careful to provide manure enough and therefore his crops are late and small. His fences are not prepared in season and consequently his fields are invaded by the flocks and herds of otherpeople .- The outside edges of his meadows are embroidered with blackberry bushes and briers. If there be an orchard it is neglected-not pruned, buried with suckers, or robbed of their foliage by caterpillars. Try a different method if you wish prosperity.

1861.] MEMORANDUM FOR APRIL. 5-3-12.\*. added on provide a standard frame the standard for some line in the

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### MAY, 31 Days. Begins on Wednesday.

N	Ioon's l	Phases.	Mo	ntreal.	King	yston.	To	ronto.	London.	Sun o	on Meridian.		
Ne Fir Ful	st Quar w Moor st Quar Il Moor st Quar	n 1 rter. 1	$     \begin{array}{c cccccccccccccccccccccccccccccccc$	m. 38 ev. 13 ev. 9 mo. 12 mo. 31 mo.	6 10 5 1	n. 86 ev. 1 ev. 9 mo. 9 mo.	6 ev. 2 1 1 ev. 5 5 7 mo. 10 4 0 mo. 0 4		v.     2     14 ev.       v.     5     50 ev.       no.     10     46 mo.       no.     0     49 mo.		$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		
D	AYS.	Mont	real.	Toro	nto.	Sun's Declinat.		The Moon.	1				
М.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets,	Nor	th.	R. & S.	Calenda	ar, As	pects, &c.		
1234	Wed. Thur. Fri. Sat.	h. m. 4 54 53 51 50	h. m. 7 00 1 3 4	h. m. 4 58 57 55 54	h. m. 6 56 57 59 7 00	$\begin{array}{cccccccccccccccccccccccccccccccccccc$			St. Phillp & St. James. Pleasant Spring weath may be looked for. I deed				
5678910 1011	F. Mon. Tues. Wed. Thur. Fri. Sat.	4 49 47 45 43 42 41 40	7 5 7 8 9 10 11 12		7 1 2 3 4 5 6 7	$     \begin{array}{c}       16 \\       17 \\       17 \\       17     \end{array} $	23 40 56 13 29 44 0	2 27 2 50 3 13 3 37 Sets. 8 17 9 12	<i>ith Sunday after Easter.</i> there has been a goo deal of out-door wor done on AscENSION DAY. many farms, even i Lower Canada.				
12 18 14 15 16 17 18	F. Mon. Tues. Wed. Thur. Fri. Sat.	4 39 37 36 34 33 32 31	$7 13 \\ 15 \\ 16 \\ 17 \\ 18 \\ 19 \\ 20$	4 44 42 41 40 39 38 87	$\begin{array}{ccc} 7 & 8 \\ & 10 \\ & 12 \\ & 12 \\ & 13 \\ & 14 \\ & 15 \end{array}$		15 30 44 58 12 26 39	10 4 10 49 11 27 Morn. 2 33 59	About th	lay aff his tin vill b in n sant.	ter Easter. ne the wea- e unsettled, nany places Rain and		
19 20 21 22 23 24 25	F. Mon. Tues. Wed. Thur. Fri. Sat.	4 30 29 28 27 26 26 25	7 21 22 23 24 25 29 28	4 36 35 84 33 32 81 30	$\begin{array}{c} 7 & 16 \\ 17 \\ 18 \\ 19 \\ 20 \\ 21 \\ 22 \end{array}$	$     \begin{array}{r}       19 \\       20 \\       20 \\       20 \\       20 \\       20 \\       20 \\       21 \\     \end{array} $	52 4 17 28 40 51 2	1 26 1 51 2 21 2 56 Rises, 8 21 9 22		and ay and where Fu have t	varm. ll Moon, we he weather		
26 27 28 29 30 31	F. Mon. Tues. Wed. Thur. Fri.		7 29 23 22 21 20 20	4 29 28 28 27 27 27 27	7 28 24 25 26 26 27	21 21 21 21 21 21 21 21	12 22 32 41 50 59	19 8 10 50 11 21 11 47 Morn. 10	Trinity Beautifu Open, cle Changeal Do, Rain, rai	ng day.			

MAY .--- In passing many a farmstead in Canada, we have frequently had thoughts such as these. It is really a deplorable thing to witness the neglect which causes the loss and destruction of manure. The dunghill is often arranged as if it were a matter of moment that it should be exposed to water collected from every roof in the vicinity, as if the business were to catch every shower of rain whereby to wash and cleanse it from all that is really valuable. The main secret of the admirable and successful husbandry of French Flanders may perhaps, lie in the extreme care that is taken to collect every thing that can contribute to the fertility of the soil.

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# JUNE, 30 Days. Begins on Saturday.

1861

1	Moon's l	Phases	. Mo	mtreal	Kin	gston.	To	ront	0.	London.	Sun	on Meridian	
Fii Fu	w Moon rst Quan 11 Moon st Quar	n rter. 1	8 8 5 5 2 9	m, 44 mo, 22 ev, 29 mo, 47 ev,	8 8 5 1 9 1	9 17 mo. 9 85 ev. 9 23 ev.		h. m.         p.         h.           8 13 mo.         1         11           4 51 ev.         9         11           8 58 mo.         17         12           9 15 ev.         25         12		$\begin{array}{cccccccccccccccccccccccccccccccccccc$			
,	DAYS.	Mon	treal.	Toro	onto.	Sun Declin			he bon.	the second se			
м.	Week.	Sun Rises	Sun Sets.	Sun Rises.	Sun Sets.	Nort	h.	R. 8	ts.	Calendar, Aspects, &c.			
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·9012345	F. Mon. Tues. Wed. Thur. Fri. Sat.	417 17 17 16 16 16 16	7 41 42 43 43 44 44	4 24 24 23 23 23 23 23 23	7 34 34 35 36 36 37 37	23 23 23 1 23 1 23 1 23 1	18 37 15 80	8 9 10 10 10 11 11 11	47 29 4 35 3 29 55	2nd Sund Very fine St. Barne Unsettled Rain thr	lay af b day abas, l to da caten rith th		
6789012	F. Mon. Tues. Wed. Thur. Fri. Sat.	4 16 16 16 16 16 16 16 17	7 44 45 46 46 46 47 47	4 23 23 23 23 23 23 24 24 25	7 38 38 39 39 40 40 40	23 2 23 2 23 2 23 2 23 2 23 2	12 14 15 16 77 77	Mo 1 2 3 Ris	22 53 28 13 8	the we is seaso summe	ather nably r weak t for	ter Trinity, settles, and warm. Rea ther. a change	
13456789	F. Mon, Tues, Wed, Thur, Fri, Sat.	4 17 18 18 18 19 19 20	$\begin{array}{c} 7 & 47 \\ 47 \\ 46 \\ 46 \\ 46 \\ 46 \\ 46 \\ 46 \\$	$\begin{array}{c} 4 & 23 \\ & 25 \\ & 25 \\ & 26 \\ & 26 \\ & 26 \\ & 26 \\ & 27 \end{array}$	7 39 39 39 39 39 39 39 39	$\begin{array}{cccc} 23 & 2 \\ 23 & 2 \\ 23 & 2 \\ 23 & 1 \\ 23 & 1 \end{array}$	16 15 13 11 9 6 8	8 9 10 10 10 10	44 18 47 12 33 56 20	Nativ. of be cold if the West, probabl	St. J. rains wind which e.	er Trinity. ohn the Bap about now be in the is highly St. Paul.	
iö		4 20	7 46	4 27	7 38	23	9	11	42	5th Sund	ay aft	er Trinity.	

JUNE .- Few vegetables exceed the cabbage as food for cattle. It is exceedingly serviceable in Autumn when the grass fails. A large quantity can be raised from an acre when the ground is favorable, of which there should be a wise discretion used. Sow from three to five seeds in the place where you wish one to grow, then leave the largest and best plant, and you may look for a good and healthy cabbage. Cattle are exceedingly fond of cabbages and they contain plenty of nutriment. We need hardly remind the farmer that they can be kept through the winter and are useful in the family.

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# JULY, 31 Days. Begins on Monday

3	foon's l	Phase	8.	Mo	ntreal.	Kin	gston.	To	ronto		London.	Sun o	on Meridi	an.	
Fir Fu	w Moon st Quan Il Moon st Quar	rter.	D. 7 14 21 29	997	m. 18 ev. 54 ev. 12 ev. 57 ev.	94	6 ev. 8 5 2 ev. 9 5 0 ev. 9 4		h. m. 8 55 ev. 9 30 ev. 9 48 ev. 2 34 ev.		h. m. 8 47 ev. 9 22 ev. 9 40 ev. 2 26 ev.	D. 1 9 17 25	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	s. 31 51 50 11	
1	DAYS.	Mo	ntr	eal.	Toro	onto.		Sun's Declinat.				1			
M.	Week.	Sun Rise	s. 2	sun iets.	Sun Rises.	Sun Sets.	Nor	th.	R. &	s.	Calendar, Aspects, &c.				
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7 8 9 10 11 12 13	F. Mon. Tues. Wed. Thur. Fri. Sat.	4 25 26 26 27 28 28 29		44 44 43 43 42 41	4 32 33 34 34 34 35 35 36	7 38 37 36 36 36 36 35 34	22 22 22 22 22 22 22 22 21 21	83 26 19 12 4 55 47	8 1 9 1 9 1	s. 5 37 7 34 59 27	6th Sunday after Tri Rainy weather, but ted to the growt seeds and plants. Changeable, and we not promise any like settled			apo	
14 15 16 17 18 19 20	F. Mon. Tues. Wed. Thur. Fri. Sat.	4 30 31 32 33 34 35 35		7 41 40 39 38 37 36	4 37 38 39 40 41 42 43	7 84 33 32 82 82 81 30 29	21 21 21 21 20 20 20	38 28 18 8 58 47 36	11 5 11 28 Morn. 9 58 1 57 8 8		weather before the 1 Moon. Now if the w be N. or N. E. it be fair, but if S. S. W., there will be r			ind wil	
21 22 23 24 25 26 27	F. Mon. Tues. Wed. Thur. Fri. Sat.	4 36 37 38 38 46 41 41		7 35 34 33 32 31 30 30	4 44 46 46 47 48 49 49	7 29 28 27 26 25 24 23	20 20 20 19 19 19 19 19	24 12 0 47 34 21 8	8880	es. 47 14 37 59 22 45	8th Sunday after T cloudy times. Fair and warm. Do. St. James. Changeable. Do.		s.	ty.	
28 29 30 31	F. Mon. Tues. Wed.	4 42	6	7 28 27 26 25	4 50 51 51 52	$722 \\ 21 \\ 21 \\ 20$	18 18 18 18	54 40 25 10	10 11	10 40 15 56	9th Sunday after Tr These last three da be warm and fai Quite hot.			ty. wil	

JULY.— Canada thistles should be mown down when they are in full bloom or a little past; one cutting will generally suffice. Large quantities have frequently been destroyed by once mowing, and it has been found equally successful on white alders when cut in the same forward state. White daises or johnsworts are hard to exterminate. Where a good supply of plaster or gypsum is scattered over the land, white and red clover may take the place of johnswort. But there is nothing equal to sheep for destroying weeds. By repeatedly pasturing with sheep, the daisy will disappear; so will johnswort, and other less troublesome weeds. You may destroy your weeds and feed your sheep at the same time.

1861

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# AUGUST, 31 Days. Begins on Thursday 861.]

1	Sun on Meridian.	London.	ronto.	ston. Ton	King	ntreal.	Mon	hases.	oon's P	M
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3	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	7 29 mo. 1 50 mo.	58 mo. 34 mo.	mo. 1 !	2 1	22°mo.	3 2	ter. 1:	st Quar l Moon.	Fir
4	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			mo. 8	64 81	57 mo. 29-mo.	8 8.		t Quart	
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6			The Moon.	Sun's Declinat.	nto.	Toro	real.	Mont	AYS.	D
7	ar, Aspects, &c.	Calend	R. & S.	North.	Sun Sets.	Sun Rises.	Sun Sets.	Sun Rises	Week.	м.
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-	pens very beau- Haying done in	Morn. 46	17. 55 17 40	7 18 16	- 4 54 55	.7 24 22	4 48 50	Thur. Fri.	12	
1	parts,	many j	1 42	17 24-	17	56	21	51	Sat.	8
1	day after Trinity. rvesting began. rainy aspects are	10th Sun and ha	2 47 3 54 Sets.	$     \begin{array}{ccccccccccccccccccccccccccccccccc$	$7 15 \\ 14 \\ 13$	4 57 58 59	7 20 9 19 17	4 52 53 55	F. Mon. Tues.	56
	discouraging, for will during this first quarter.	rain it Moon's	7 36 8 2 8 30	16 19 16 2 15 44	12 10 8	5 00 1 2	16 14 12	56 57 58	Wed. Thur. Fri.	789
		11th Sun now ay the be Unsettle Cool, wit Change,	8 58 9 31 10 8 10 55 11 51 Morn. 54 2 1	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7 5 *4 3 6 59 58 57	3 5 5 6 7 8 9 10 10	11 7 9 8 7 5 3 2 1	59 5 1 2 3 4 5 6 7	F. Mon. Tues. Wed. Thur. Fri. Sat.	10 11 12 13 14 15 16 17
	day after Trinity. mosticator regrets the cannot foresee and agreeable or for harvest work now. holomew.	The prov that 1 settled weather about	8 10 4 18 Rises, 7 2 7 25 7 48 8 13	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		*5 12 13 14 16 17 18 19	6 59 57 55 54 52 50 48	5 8 11 12 13 14 16	F. Mon. Tues. Wed. Thur. Fri. Sat.	18 19 20 21 22 23 24
	ustine. fine day. ging aspects, but	13th Sun Heat wi Rain an St. Aug Rather	8 41 9 12 9 51 10 37 11 29 Morn. 29	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6 44 43 40 38 37 36 34	520 21 22 24 25 26 27	6 46 45 43 41 40 38 36	5 18 19 20 21 22 23 24	F. Mon. Tues. Wed. Thur. Fri. Sat.	25 26 27 28 29 30 31

August .- With regard to the best method of making hay, there exist various opinions. One class of farmers never move their hay out of the swath on the day it is cut, but on the second day shake all that was cut on the day previous, by giving it two turns. They say the hay is re-duced in quality by the heat of the sun if shaken the first day, but by leaving it in swath, "it soaks its own sap." But another class contend that the more quickly the drying is effected, the less extensive will be the change in the starch of the plants ; and consequently the hay will retain more of its substance in a soluble or digestible state.

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SEPTEMBER, 30 Days. Begins on Sunday.

1861

N	loon's I	Phases.	Mo	ntreal.	King	ston.	To	ronto.	London,	Sun	on Meridian.		
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I	AYS.	Mont	real.	Toro	nto.	Sun Decli	Sun's Declinat.		i's The Moon.		Calendar, Aspects, &		
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	Nor	th.	R. & S.					
12234567	F. Mon. Tues. Wed. Thur. Fri. Sat.	h. m. 5 26 28 29 80 31 32 33	h, m 6 34 33 30 28 27 24 23	h. m. 5 28 30 31 32 33 34 85		8777	Min, 7 45 23 1 39 17 54	h. m. 1 34 2 44 3 55 Sets. 6 30 7 0 7 32	Pleasant Still agr	day. eeable e Ne have	w Moon we fair steady		
8 9 10 11 12 13 14	F. Mon. Tues. Wed. Thur. Fri. Sat.	$5\ 35\ 36\ 37\ 39\ 40\ 42\ 43$	6 21 19 17 16 14 12 10	5 36 37 38 39 40 41 43	6 20 18 16 15 13 11 9	5544400	31 9 46 23 0 27 14	8 9 8 53 9 46 10 47 11 53 Morn. 1 1	Agreeabl Fine day Now age	e out an ch dy ra showe	angeable. in, but fre-		
15 16 17 18 19 20 21	F. Mon. Tues. Wed. Thur. Fri. Sat.	5 44 45 46 48 49 50 51		5 43 45 46 47 48 49 50	6 8 7 5 3 1 5 58 56	2 2 2 1 1 0 0	$51 \\ 28 \\ 5 \\ 41 \\ 18 \\ 53 \\ 31$	2 9 3 16 4 19 Rises. 5 52 6 17 6 43	Pleasant But cold	and l at n is abo Very er.	ight. out this quar		
22 23 24 25 26 27 28	F. Mon. Tues. Wed. Thur. Fri. Sat.	552 54 56 56 57 59 600	556 53 52 50 48 46 44	5 52 52 53 54 55 55 57 59	5 54 52 50 49 47 45 43	0 8. 0 1 1 2	8 14 38 1 25 48 11	7 14 7 50 8 32 9 21 10 16 11 17 Morn.	Fine coo High w heavy Clears w and fi	l day. vinds rains up, — l air.	fler Trinity and some becomes flue leasantly.		
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SEPTEMBER.—Some years ago we met a piece of good advice to farmers about the training of their sons. It complained in the first place that boys brought up on a farm were often required to labour with tools entirely unsuited to their age and ability, and then recommends, that they be provided with light and handy implements to work with. Every boy, whose father designs him to become a farmer, should when of suitable age, have his hoe, his shovel, rake, wheelbarrow, and other things necessary for his business. Thus equipped he will feel proud of his tools and work according to his ability and with increasing advantage as he advances in years and strength. Manage the boys rightly.

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### OC'TOBER, 31 Days. Begins on Tuesday. 1861

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6 7 8 9 10 11	F, Mon. Tues. Wed. Thur. Fri. Sat.		5 27 25 24 21 20 19 17		5 29 27 26 24 22 20 19	$\begin{array}{c} 5 & 17 \\ 5 & 40 \\ 6 & 3 \\ 6 & 26 \\ 6 & 49 \\ 7 & 12 \\ 7 & 34 \end{array}$		6 87 7 39 8 39 9 45 10 54 Morn. 2	19th Sunday after Trinit rainy weather. Changeable. Toward the 10th the a pects are fair an promise some fine we ther.			
13 14 15 16 17 18	F. Mon. Tues, Wed. Thur. Fri. Sat.	$egin{array}{c} 6 & 18 \\ 20 \\ 21 \\ 23 \\ 24 \\ 25 \\ 26 \end{array}$		$\begin{array}{c} 6 & 15 \\ 16 \\ 17 \\ 19 \\ 20 \\ 21 \\ 22 \end{array}$	5 17 15 13 12 9 8 6	8 9 9	57 19 41 3 25 47 9	1 9 2 12 3 14 4 15 5 15 Rises, 5 15	Cool and Very agree But abo	fine, ecable, ut th r very	ese days l rainy wea- ther	
20 21 22 23 24 25 26	F. Mon. Tues. Wed. Thur. Fri. Sat.	6 28 29 31 32 33 35 36	$5 1 \\ 4 59 \\ 57 \\ 55 \\ 53 \\ 52 \\ 50 \\ \\ 50 \\ \\ \\ 50 \\ \\ \\ 50 \\ \\ \\ 50 \\ \\ \\ \\$	$egin{array}{cccc} 6 & 24 & & & \\ 25 & & & & \\ 27 & & & & \\ 28 & & & & \\ 29 & & & & & \\ 30 & & & & & \\ 31 & & & & & \\ \end{array}$	5 5 3 2 4 59 58 58 57 56	10 11 11 11 12	81 52 13 34 55 16 36	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	21st Sund Quite co Some fro Agreeable Changeat Do. From no	ol to- ost at e day. ole.	night.	
27 28 29 30 31	F. Mon. Tues. Wed. Thur.	6 38 39 41 42 43	4 49 47 46 46 45	6 32 33 35 38 40	$     \begin{array}{r}             4 54 \\             53 \\             52 \\             50 \\             48 \\             48         \end{array} $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		Morn. 22 1 32 2 44 3 59	Sts. Sime end of	fter Trinity l Jude. month there ne fine dry		

OCTOBER.—Professor Johnson, in a lecture some years ago, said the social position of the farmer, I am sorry to see, is not better here than at home, they are looked upon as persons wanting in intellect; but I have gone much among societies in all countries, and have found as much intelligence and intellect among farmers as any other class. And after all, on what does a man's position depend, or what makes him superior to his fellow man, is it not the development of his intellectual powers ? and is there any situation in life in which those powers are more called into play ? Noné. In England, the highest positions are filled by persons who have devoted their time to Agriculture.

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# NOVEMBER, 30 Days. Begins on Friday.

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12	Fri. Sat.	h. m. 6 44 46	h. m. 4 44 42	h. m. 6 41 43	h. m. 4 47 45		fin. 35	h. m. 5 · 16 Sets.	All Sain	ts.	is gruffly.	-
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NOVEMBER.—We are right glad that the Prince of Wales was allowed to visit some of our inland towns and agricultural districts, as well as the great commercial centres of the country. There is no antagonism between commerce and agriculture, but rather are they to be considered as inseparably related to each other. What would our commerce be without our farmers? Are not these last the bone and sinew of Canada? So we think. And we claim for the farmers of Canada a first place in the esteem and confidence of the community. They work harder than any other class of people, and are entitled to consideration and respect.

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# DECEMBER, 31 Days. Begins on Sunday. 186

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D	foon's l	Phases.	Mo	ntreal.	King	ston.	To	ronto.	London.	Sun	on M	eridi	ian.
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DECEMBER.—A word for gardens again may not be out of place. Horticulture has been pronounced by medical men as salutary to health, and to cheerfulness of spirits. It is often found to be a pleasant relaxation from the excitement of business or the exhaustion of study. We have often found'a little work in the garden most agreeable, and a curer or preventive of dyspepsia. The desponding invalid may take exercise among the flowers which beautify the earth, and by inhaling their sweet perfumes obtain refreshment and health. Every farm house should have its garden spot, and all should engage, at least occasionally, in trying to make it pleasant.

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# R. & A. MILLER'S

# The Royal Lamily.

# THE QUEEN. ..

VICTORIA, Queen of the United Kingdom of Great Britain and Ireland; only daughter of His late Royal Highness Edward Duke of Kent; bord the 24th May, 1819; succeeded to the Throne on the decease of her Uncle, William IV:, June 20th, 1837; Proclaimed June 21st, 1837; Crowned June 28th, 1838; Married Febuary 10th, 1840, to Field Marshal His Royal Highness Prince Albert Augustus Charles Emmanuel, Prince of Saxe Cobourg and Gotha, Knight of the Most Noble Order of the Garter, &c., &c.

#### ISSUE :

Victoria Adelaide Mary Louisa (Princess Royal) born November 21st. 1840.

Albert Edward (Prince of Wales, ) born November 9th, 1841.

Alice Maud Mary, born April 25th, 1843.

Alfred Ernest Albert, born August 6th, 1844.

Helena Augusta Victoria, born May 25, 1846.

Louise Caroline Alberta, born March 18th, 1848.

Arthur William Patrick Albert, born May 1st, 1850.

Leopold George Duncan Albert, born April 7th, 1853.

Beatrice Mary Victoria Feodore, born April 14th, 1857.

#### THE QUEEN'S MOTHER.

Victoria, Duchess of Kent, daughter of Francis, Duke of Saxe Cobourg, born August 17th, 1786; married May 29th, 1818, to Edward, Duke of Kent, who died January 23rd, 1820. Issue—The Queen.

### THE QUEEN'S COUSINS.

George V., King of Hanover, born May 27th, 1819.

George, Duke of Cambridge, born March 26th, 1819.

Princess Augusta, (Duchess of Mecklenburg Strelitz), born July 19th, 1822.

Mary Adelaide Wilhelmina Elizabeth, born November 27th, 1833.

# 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 Rettaillack, 63rd Regiment, Military Secretary and Aide-de-Camp.

Colonel Irvine, Provincial Aide-de-Camp.

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# CANADIAN FARMER'S ALMANAC.

# EXECUTIVE COUNCIL.

President of the Council and Minis-

ter of Agriculture	1
Attorney General East	
Attorney General West	
Commissioner of Crown Lands Hon. P. M. Vankoughnet.	
Commissioner of Public WorksHon. John Rose.	
Speaker of Legislative Council Hon. Sir. N. F. Belleau.	
Provincial Secretary	
Postmaster General	
Minister of Finance	
Receiver General	
Solicitor General L. C Hon. Louis S. Morin.	
Do. U. C "Joseph C. Morrisson.	

#### OFFICERS.

William H. Lee, Clerk of Executive Council: William A. Hinsworth, Confidential Clerk; M. A. Higgins, F. Vallerand, Olivier Coté, Thomas Burns, F. H. Himsworth, and Henry Alexander, Clerks; Michael Naughten, Door-keeper; James Ryan and Charles Baker, Messengers.

INDIAN DEPARTMENT.—R. T. Pennefather, Superintendent General of Indian Affairs; S. Y. Chesley, Assistant ditto; Michael Turner, Chief Clerk; W. R. Bartlett, Visiting Superintendent; David Thorburn, ditto; George Ironside, ditto; Froom Talfourd, ditto; Francis Assickenack, Interpreter.

GEOLOGICAL SURVEY.-Sir Wm. E. Logan, Provincial Geologist; A. Murray, Assistant ditto; T. S. Hunt, Chemist and Mineralogist; E. Billings, Palceontologist.

#### EDUCATIONAL DEPARTMENT.

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

Protestant Board of Examiners.—Rev. A. F. Kemp, Rev. Dr. Wilkes, Rev. Canon Leach, D. C. L., LL. D., Rev. W. Snodgrass, Rev. J. Flannigan, W. Lunn; A. N. Rennie, Secretary.

Upper Canada.—For the general administration of the Grammar and Common School Laws, Rev. Egerton Ryerson, D.D., Chief Superintendent of Education; John George Hodgins, M.A., Deputy ditto; A. Marling, First Clerk and Clerk of Accounts; A. J. Williamson, Clerk of Correspondence; F. J. Taylor, Clerk of Statistics; H. Butterworth, Assistant ditto; S. P. May, Clerk of Libraries; T. Churchill, Depository Clerk; J. T. R. Stinson, Assistant Clerk; C. Alderson, Packer and Depositary Messenger; James Moore, Office Messenger.

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#### PERMANENT OFFICERS OF THE LEGISLATIVE ASSEMBLY. E.L.

CHIEF DEPARTMENT.--Wm. B. Lindsay, Clerk; W. B. Lindsay, Jr., Clerk Assistant; Alfred Patrick, Deputy Clerk Assistant and Chief Clerk of Committees and Controverted Elections; and Thomas Vaux, Accountant; Charles Langevin, Assistant ditto.

LAW CLERR'S DEPARTMENT.-G. W. Wicksteed, Law Clerk; D. P. Myrand, Assistant French Law Clerk. F. Badgley, Assistant English Clerk.

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PRIVATE BILL DEPARTMENT.—Alfred Todd, Chief Clerk of Private Bills and Clerk of Votes; Thaddeus Patrick, Assistant ditto, and Clerk of Railroad Committee; W. B. Ross and Herman Poetter, Assistant ditto.

TRANSLATORS.-D. P. Myrand, Chief French Translator; Wm. Fanning, E. P. Dorion, A. Desilets, and T. G. Coursolles, Assistants ditto; F. Badgley, English Translator; Wm. Wilson, Assistant ditto; F. Hays, Extra ditto.

JOURNAL DEPARTMENT.-G. M. Muir, English Journal Clerk; W. C. Burrage, Assistant ditto; P. E. Gagnon, French ditto; W. H. Lemoine, Assistant ditto.

LIBRARY DEPARTMENT.-Alpheus Todd, Librarian ; A. G. Lajoie, Assistant ditto ; A. Laperrière, Clerk.

SERGEANT-AT-ARMS DEPARTMENT.-D. W. Macdonell, Sergeant-at-Arms; U. C. Burrage, Deputy ditto; A. L. Cardinal, Chief Messenger; M. McCarthy, O. Vincent and E. Stacy, Assistants ditto; R. Defries, Postmaster; Jos. Blais, Assistant ditto; J. O'Connor, Door-Keeper; R. Bailie, Assistant ditto; P. Laliberté, Jos. Lemonde, Edward Peltier, William Grahara, Jas. Hoy and E. Storr, Messengers.

### PERMANENT OFFICERS LEGISLATIVE COUNCIL.

John F. Taylor, Clerk of the House, Master'in Chancery, and Acting Accountant.

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.

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

W. Anstruther Maingy, Additional Clerk Assistant and Second Office Clerk.

James Adamson, Clerk of the English Journals.

R. G Belleau, Clerk of the French Journals.

A. A. Boucher, French Translator and Clerk of Select Committees.

John McGillivray McLean, Clerk.

W. Agar Adamson, D. C. L., Chaplain and Dibrarian.

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LY. E. L. Montizambert, A. M., Law Clerk, acting also as English Translar-Jr ... tor and Clerk of Select Committees. Chief

René Kimber, Gentleman Usher of the Black Rod.

O. Vallerand, Sergeant-at-Arms.

E. Botterell, Door-keeper.

M. Keating, House-keeper and Chief Messenger.

S. Skinner, Assistant House-keeper and Messenger.

F. Boulet, J. Cassault, A. Lachance, J. Pageau, J. Doherty, J. Hanley, J. Young, Peter Dunn, Patrick Madigan, J.B. Myrand, R. Greer, P. Ratty, Messengers.

# PUBLIC DEPARTMENTS.

CIVIL SECRETARY'S OFFICE .- R. T. Pennefather, Secretary; Henry Cotton, chief clerk ; John Kidd, 2nd clerk ; Philip Hill, office keeper, George Boxall, messenger.

PROVINCIAL SECRETARY'S OFFICE .- Hon. Charles Alleyn, Provincial Secretary; Etienne Parent, Assistant Secretary East; Edmund A. Meredith, Assistant Secretary West; Thos. Ross, Accountant of the Contingencies and Receiver of Marriage License Fees; S. Tetu, W. H. Jones, and G. S. Bertrand, first class clerks (east); J. Mackay, and H. R. Glackmeyer, second class clerks (east); G. Powell, H. E. Steele, and, C. J. Birch, first class clerks (west); J. Gow, Office keeper. J. Dorr and J. N. Fradet, Messengers.

PROVINCIAL REGISTRAR'S OFFICE .- Hon. Charles Alleyn, Provincial Begistrar; William Kent, Deputy. Prov. Registrar; G. H. Lane, 1st Clerk, Amable Bélanger, 2nd ditto; and J. A. Bélanger, 3rd ditto; W. J. Goodeve, R. A. Kent, L. A. Catellier, and Michael Lane, extra Clerks, Maxime Valiquette, Messenger.

RECEIVER GENERAL'S OFFICE .- Hon. Geo. Sherwood, Receiver General; T. D. Harrington, Deputy ditto; G. C. Reiffenstein, Chief or Debenture Clerk ; T. C. Bramley and Theo. Duffort, Book-keepers ; J. B. Stanton, Warrant Clerk, Wm. Hedge, Bank Account Clerk; J. F. Pellant, General Clerk ; L. F. Dufresne, Clerk in charge of Municipal Loan Fund of Upper aud Lower Canada; Chas. W. Shay, F. Lewis and F. Hunter, Accountants ; F. L. Cassault, Messenger ; N. Cassault, Assistant ditto.

DEPARTMENT OF THE MINISTER OF FINANCE .- Hon. A. T. Galt, Minister of Finance; Joseph Cary, Deputy Inspector General; William Dickinson, Acting Deputy ditto; David A. Ross, Chief Clerk; Norris Godard, Book-keeper; John Drysdale, ditto; Archibald Cary, F. G. Scott, J. J. Hackett, John R. Nash, G. S. Lay, Clerks ; R. W. Baxter, C. J. Anderson & R. H. Mackay, Extra Clerks, David Ryan, House-keeper; P. Pender, Messenger,

Auditor's Branch .- John Langton, Auditor of Public Accounts; Thomas Cruse, Book-keeper; Thomas D. Times, Assistant ditto; C. Camble, Registrar of Free Banks; Christopher Green, James Patterson Edward C. Barber, Clerks.

Customs Departmens .-- R. S. M. Bouchette, Commissioner; Thos. Worthington, Assist. Commissioner; J. R. Audy, Clerk of Seizures and Forms, and T. P. Roberts, Statistical Clerk. H. H. Duffil, Statistical and Canal Office Clerk; P. E. Shepherd, Dr. L. O'Brien, G. A. Mailleau, H. C. Hay, Check Clerks; J. Walls, Messenger.

## MILITARY.

Lieut. General Sir W. F. WILLIAMS, Bart. K. C. B., Commanding the Forces in British North America.

Major W. J. Williams, Royal Artillery, Military Secretary.

Capt. O. B. B. Woolsey, Royal Artillery, and Lieut. R. Grant, Royal Engineers, Aides-de-Camp.

MILITARY SECRETARY'S DEPAPTMENT.—Major W. J. Williams, Military Secretary; P. Lawlor 1st. Clerk; J. R. Spong, R. G. Greig, and M. Riordan, Clerks; R. Dalgleish, Office-keeper,

ADJUTANT GENERAL'S DEPARTMENT.—Colonel the Hon. R. Rollo. Assistant Adjutant General; Ens. C. Macdonald, 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.—Colonel Napier, C. B., Deputy Quartermaster General; N. Hughes, 1st. Clerk; E. Roe and A. Mitchell, Clerks.

MILITARY STORE DEFARTMENT.—Aleaxnder Gunn, Esq., Deputy Military Storekeeper; Edward Fayrer, 1st. Class Clerk and Acting Barrack Master; John Greig and Edward Willgress, 1st. Class Clerks; James Duff, 2nd ditto; James Wallace, Office-keeper.

#### HEAD QUARTERS, ROYAL ENGINEERS OFFICE.

Montreal.—Commanding Royal Engineers Canada, Colonel Henry Servante; Assistant ditto, W. C. Menzies; Draftsman and Surveyor, C. Walkem; Jamer Kerr, 1st. Clerk; John Gardiner, Clerk; J. Collard, Clerk of Works; J. Robertson, Office-keeper.

District Branch.—Major W. C. Menzies, Commanding Royal Engineers, District Branch; A. Kemp, Clerk of the Works; J. Conroy, Officekeeper.

*Ringston District.*—Lieut. Colonel Fanshawe, Commanding Royal Engineers, Kingston; W. Wheeler, 2nd class Clerk of Works; J. B. Harper, 2nd class Clerk; R. Goodfellow, Office-keeper.

Quebec District.—Colonel Hadden, Commanding Royal Engineers Quebec District; Licuis. C. A. L. de Montmorency and J. Garnier, Royal Engineers; W. H. Head, Clerk of Works; W. Chessell, 2nd class ditto; J. Grist, 3rd Class ditto; J. H. Oakes and G. H. Peake, 2nd class Clerks; E. Lennon, Office-keeper.

#### COMMISSARIAT DEPARTMENT.

Montreal.—Commissary General T. C. Weir, Controller of Army Expenditure; Assistant Ccm. Gun. John B. Price, Military Accountant; Deputy Assist. Com. Gen. Turner, Store Accountant; Deputy Assist. Commissaries Gen. Irvine, Ogilvy and Cattell; Assist. Clerks, Woodley, Bell, Ballard and Palmer.

Quebec.—Assistant Com. General W. H. H. Plante; Deputy Assist. Com. Gen. Wm. Rogers; Assistant Clerk, S. Dickenson.

Kingston.-Assist. Com. Genl. Cumming ; Deputy Assist. Com. Genl. S. B. Brown.

Toronto.—Assist. Com. Gen. Goold ; Deputy Assist. Com Gen, Wild. ARMY MEDICAL STAFF.—J. Clarke, Surgeon Major in charge, Montreal ; E. B. Tuson Staff Surgeon, Montreal ; W. Qdell, M. D., Staff Surgeon 1st class Que

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# CANADIAN FARMER'S ALMANAC.

class Quebec; T. Blatherwick and D. Woods, Staff Assistant Surgeons, Quebec; J. Graves Staff Surgeon, 2nd class; T. W. Fox and J. Jamieson, M.D., Staff Assistant Surgeons, Kingston; Dr. Hunt, Staff Assist. Surgeon, Toronto; Dr. Paxton, Staff Assistant Surgeon, Red River; G. W. Mellish, Purveyor; —, Purveyor's Clerk, 1st class; B. Abbott and Mr. Moore, Purgeyor's Clerks 2nd class, Montreal.

REGIMENTS IN CANADA AND OFFICERS COMMANDING.

Montreal.—Head Quarters of the Army in Canada.

Royal Artillery, Colonel Taylor.

Head Quarters Royal Canadian Rifle Regiment.

Quebec.-Royal Artillery, Colonel Dalton.

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17th Regiment, Lieut. Colonel Gordon.

Detachment Royal Canadian Rifle Regiment.

Kingston .- Detachment R. C. Rifle Regiment.

Toronto .- Detachment R. C. Rifle Regiment.

# POS'T OFFICE DEPARTMENT.

# Honorable Sydney SMITH, Post-Master General.

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

### CLASSIFICATION OF CLERKS.

1st. Class.-H. S. Wetherly, R. M. Julyan, E. C. Hayden, R. Oliver, D. Lawson, J. E. McCuaig, W. White.

2nd. Class.-J. C. Stewart, J. Audette, Peter Holt, Charles McKenzie. 3rd. Class.-John Boyd, W. D. Lesueur, J. Brophy, J. McMahon, E. H. Benjamin, D. Waters, George Mason.

4th. Class.-B. King, G. H. Hargrave, H. J. Garret, George Holt, E. G. Bennett, H. F. Hayward, R. Sinclair.

John Hinifin, Office Keeper.

#### MONTREAL.

J. B. Meilleur, M. D., L. L. D., Postmaster.

James Simpson, Assistant Postnaster.

B. McEvenne, M. Emery, H. A. R. Huddle, McDuff Simpson, M. Murphy, J. Maitland, U. Benoit, John McKeon, Alexander Robertson, L. Malard, W. LeGillivray, John Muir, O. Raymond and Kenneth Reid.

P. O'Reilly, John J. Drew, A. Auger, L. Lafricain and Samuel Johnson, Letter Carriers.

Office hours: from 8 A. M. to 7 P. M.; and from 8 to 10 A. M. on Sundays.

#### REGULATIONS AND RATES.

Letter Rates.-Letters posted in Canada addressed to any place within the Province pass, if prepaid, for 5 cents per 10z., but if posted unpaidare charged 7 cents per 1 oz.

On Letters to Nova Scotia, New Brunswick and Prince Edward's Island the rate is 5 cents per 1 oz., with optional pre-payment.

The rate of letters to the United Kingdom will be :

By Canadian Packet 121 cents per 1 oz.

By Cunard 44 17 66

Letters for the United Kingdom must be prepaid, or they will be charged a fine of 6d. sterling on arrival in England.

Letters for the British Colonies and possessions beyond sea, and for Foreign Countries, via England, must be prepaid.

The rate on Letters for the United States, ( except

California and Oregon), 10 cents per 1 oz.

for California and Oregon, 15 66 66 Registration Charges .- For the Registration of a Letter addressed to any place in British North America the Charge is 2 cents.

For the Registration of a Letter to the United Kingdom 121 cts. 61

United States 5

Miscelleaneous Charges .- The charge on Parcels by Parcel Post to any place in Canada is 25 cents per Ib. ( with 5 cents additional if Registered.

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

For	a paper	published	6	times a	8,	week 2s.	per	qr.,	or	40	cents.	
3.3		66	3	- 61	2	ls.		66		20	66	
66		66	2	61	£.	8d.		44		13	66	
66		"	1	64	6	4d.		44		6	1 44	

When the above rates, are not paid in advance by either publisher or Subscriber, such Papers are charged one cent each on delivery.

Newspapers by Muil from England or United States .- Newspapers received from England by the Canadian Packet Muils are delivered free. Newspapers from England by the Cunard Packet Mails are charged

2 cents each on delivery. (This is the American transit charge.)

United States Newspapers, brought by Mail into Canada, are charged one cent each on delivery.

Postage Stamps .- Postage Stamps of the respective values of 1 cent, for Newspapers, 5 cents for ordinary Provincial Letters; 10 cents for United States rate; 121 cents for Canadian Packet, and 17 cents for Cunard Packet, are provided for sale to the public.

The charge upon Books, &c., by Boll. Post to England, is 7 cents on packets not exceeding 4 oz. in weight; 121 cents on 1 lb. packets; and 121 cents additional for every additional 1 lb. These charges must be prepaid.

Penal Clause .- The Act contains the following penal clause :

To inclose a letter, or letters, or any writing intended to serve the purpose of a letter, in a Parcel posted for the Parcel Post, shall be a misdemeanor.

To inclose a letter or any writing, or to make any written mark to serve the purpose of a letter, or to inclose any other thing in a newspaper posted to pass as a newspaper, at the rate of 1 ostage applicable to news apers, (except in the case of accounts and receipts of newspaper publishers,

#### 1861.] CANADIAN FARMER'S ALMANAC.

which are permitted to pass folded with the newspapers sent by them to their subscribers), shall be a misdemeanor.

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

		to \$10													
Over	\$10 and	not exceeding	\$20			 				. ,			10	66	
66	20	"											15	66	
66	30	66	40		 		 						30	44	
66	40	66	60	 			 						45	66	
66	60	66 .	80	 			 						60	40	
66	80	11	100	 			 						75	66	
			-						-						

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

N.B .- NO HALF CENTS to be introduced in the Money Orders.

Money Orders on England, Scotland and Ireland .- Money Orders, payable at any Money Order Office in Great Britain and Ireland, can be obtained at any Canadian Money Order Office. The Orders are drawn in Sterling, the Commission chargeable being, for £2 and under, one shilling sterling; from £2 to £5, two shillings. No order can be drawn for more than £5; but any number of Orders of £5 each may be procured.

# COURTS OF JUSTICE.

According to the Provisions of the 20th Vict., cap. 44.

#### COURT OF QUEEN'S BENCH.

Hon. Sir L. H. Lafontaine, Bart., Chief Justice.

Puisné Judges.

66 Thomas C. Aylwin,

Jean F. Duval,

11 Réné E. Caron.

11 W. C. Meredith.

Chs. Mondelet, Assistant Judge. Officers.—John Boston, Sheriff; Joseph Jones, Coroner; Alexander M. Delisle, Clerk of the Crown; Charles E. Schiller, Deputy Clerk of the Crown ; Benjamin Delisle, High Constable ; George J. Stanley, Crier; Thomas McGinn, Gaoler.

#### COURTS IN APPEAL AND ERROR.

\* Montreal-1st March, 1st June, 1st September and 1st December. Quebec-12th March, 12th June, 12th September and 12th December. J. U. Beaudry, Clerk of Appeals ; Charles Drolet, Deputy do.

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<sup>\*</sup> By the 17th Section of the 20 Vict., cap. 44 cases in Appeal from the Districts of Ottawa, Montreal, Terrebonne, Joliette, Richelieu, St.Francis, Bedford, st. Hyacinthe, Iberville and Beauharnois, are to be heard and determined at the City of Montreal, ouly, and the writs in such cases are returnable there; and cases in Appeal from the Districts of Three Rivers, Quebec, Saguenay, Gaspé, Rimouski, Kamouraska, Montmaguy, Beauce and 'Arthabaska age to be heard and determined at the City of Quebec only, and the writs in such cases are returnable there.

# R. & A. MILLER'S

#### COURT OF CRIMINAL JURISDICTION.

Montreal-24th March and 24th September.

Quebec-24th January and 24th June.

Three Rivers-2nd February and 11th September.

Sherbrooke-12th February and 20th September.

Kamouraska-5th to 10th April and 21st to 26th October.

Aylmer-10th June and 10th December.

S. C. Monk,

J. A. Berthelot.

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

#### SUPERIOR COURT.

Jurisdiction for Sums exceeding £50 Currency, 12 Vict., cap. 38, sec. 17 and 47, and 20 Vic., cap. 44, sec. 35.

Honorable Edward Bowen, Chief Justice.

#### JUDGES.

Hon.	Dominique Mondeiet.	Hon. Auguste N. Morin.	
66	Charles Dewey Day.	" William Badgley.	
		" John S. McCord.	
44	J. A. Taschereau.	<sup>44</sup> Jean C. Bruneau.	
55	Peter Winter.	" David Roy.	
66	Andrew Stuart,	" Antoine Pollette.	
66	Edward Short.		

# Assistant Judges.

\* MONTREAL .- † Hochelaga, Jacques Cartier, Laval, Vaudreuil, Soulanges. Laprairie, Chambly and Verchères and City of Montreal-Held at Montreal from 17th to 27th of every month, except January, July and August. Monk, Coffin & Papineau, Prothonotary ; John Boston, Sheriff.

QUEBEC.-Portneuf, Quebec, Montmorency, Levi, Lotbinière and City of Quebec-Held at Quebec from 1st to 5th February, March, April, May, September, October and December, and from 20th to 25th June and No-

vember. Burroughs & Fiset, Prothonotary; Wm. S. Sewell, Sheriff. OTTAWA.-Ottawa and Pontiac-Held at Aylmer first ten juridical days of February and July. Henry Driscoll, Prothonotary ; Louis M. Coutlée, Sberiff.

#### CIRCUIT COURTS.

Jurisdiction in suits not exceeding £50.

#### QUEBEC DISTRICT.

Quebec Circuit, held at Quebec, 20th to 25th of every month, except July and August. Clerk, Burroughs & Fiset.

Lotbinière Circuit, held at Lotbinière, 13th to 22nd March, July and November. Clerk, Joseph Filteau.

Portneuf Circuit, held at Cap, Santé, 7th and 16th January, May and September. Clerk, R. Lelièvre.

+ Counties &c., comprised.

Appeals from the Circuit Court to the Qucen's Bench are allowed, by the 20 Vict. cap. 44. sec. 50, in cases over twenty five pounds currency. Every day not a Sunday or a Holy day is a Juridical day.

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#### CANADIAN FARMER'S ALMANAC.

#### 1861.]

#### MONTREAL DISTRICT.

Montreal Circuit, held at Montreal, 10th to 15th of every month, except January, July and August. Clerk, Monk, Coffin & Papineau.

Vaudreuil Circuit, held at Vaudreuil, 1st to 5th March, July & November. Clerk, J. O. Bastien.

Soulanges Circuit, held at Côteau Landing, 6th to 10th March, July and November. Clerk, H. J. Sentenne.

#### OTTAWA DISTRICT.

Ottawa Circuit held at Aylmer from 20th to 25th January, May and September. Clerk, H. Driscoll.

#### GENERAL QUARTER SESSIONS OF THE PEACE.

#### Chairman : CHARLES J. COURSOL.

A. M. Delisle and W. H. Brehaut, Clerk of the Peace; C. E. Schiller, Deputy Clerk of the Peace; L. D. Réné Cotret & Chs. Michel Delisle, Clerk.

#### TERMS.

Montreal : 4th to 14th February, May, August and November.

- Quebec: 8th January, 4th April, 4th July and 4th October. Clerk, Pierre A. Doucet.
- Three Rivers : 8th January, 4th April, 4th July and 4th October. Clerk, L. U. A. Genest.
- Sherbrooke : 8th January, 8th April, 8th July and 8th October. Clerks, Short & Morris.

Kamouraska: 7th January aud 15th July. Clerks, Chalou & Dery.

Aylmer : 5th April and 5th October. Clerk, H. Driscoll.

Percé, Gaspé Basin, New Carlisle and Carleton: On the three days following the Circuit Court. Clerks, Wilkie & Harper.

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#### 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. S<sub>1</sub> ragge, vice-chancellors; A. N. Buell, master, Alexander Grant, Registrar and Reporter.

Terms for examination of witness 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. R. & A. MILLER'S

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 purpose 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. O. Small, clerk of the Crown and pleas; C. Robinson, reporter. Robert Pearson, clerk of the process; W. B. Heward, clerk in Banc. and chambers; W. B. Heward, clerk in practice court.

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

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

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

#### LAW TERMS.

QUEEN'S BENCH AND COMMON PLEAS.—Hilary Term begins on the first Monday in February. Easter Tern 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, Withby and Kingston; the Home, held at Owen Sound, Hamilton, Niagara, Merritsville, 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

#### THE FARMER.

#### TO MAKE FARMING PROFITABLE.

EVERY beginner in farming, by securing the following essentials, will succeed :

1. Buy no more land than there is capital enough to pay for, with onethird more surplus-for a small farm, free from debt, with plenty of

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means to stock it, enrich it, and carry on its work, will yield more than a larger one, encumbered with debt, conducted feebly in every part, with bad fences, poor implements, bony animals, weedy fields, and thin crops.

2. Lay out the fields in best order-so as to admit a systematic rotation, and to give ready access to every field at all times without passing through other fields.

3. Provide good fences and necessary gates—and valuable time will not be lost in driving out intruding animals, nor crops lost by their depredations.

4. Furnish good farm buildings, to secure properly the crops, and to afford shelter to animals.

5. Select the best animals and the best implements that can be secured for a reasonable price.

6. Bring the soil into good condition by manuring and draining, and keep it so by a judicious rotation.

7. Effect a clear and systematic arrangement of all the work, so that there shall be no clashing or confusion.

8. Employ diligence and energy, and adopt careful management.

MILKING YOUNG COWS.-A recent agricultural writer has said that young cows, the first year they give milk, may be made with careful milking and good keeping, to give milk almost any length of time deemed desirable; but that if allowed to dry up early in the fall, they will, if they have a calf at the same season, dry up at the same time each succeeding year, and noting but extra feed will prevent it, and that but for a short time.

AGE OF ANIMALS.—A bear, dog and wolf, rarely exceed twenty-years, a fox fourteen; lions and elephants are long lived, the former sometimes reach seventy years, and the latter four hundred. An elephant captured by Alexander the Great from an Indian king, was found three hundred and fifty years subsequently, with the following inscription on him: Alexander, the son of Jupiter, had dedicated Ajax to the sun. The name of Ajax having been given to the elephant by Alexander. The average of cats is fifteen years; hares, seven or eight; squirrels the same; pigs thirty years, rhinoceros, twenty; horses average twentyfive; camels one hundred; sheep seldom exceed ten years; stags are long-lived; cows, 15 years. Cuvier gives one hundred years to the whale, thirty to the dolphin. Ravens one hundred years. An eagle died at Vienna one hundred and four years old; swans three hundred; tortoise one hundred and seven.

WEIGHT OF WATER ON LAND.—A cubic foot of water contains 64 gallons, each weighing 10 lbs. If 4,000 gallons of liquid manure are applied to an acre, the cubic capacity of the application is 23 yards 9 feet, and its weight 17 tons 17 cwt. 16 lbs. This dressing, if not imbibed by the soil or allowed to run off, would cover it with a sheet of water having a depth of nearly 3-16ths of an inch, and would be equivalent to a very heavy thunder shower.

#### MISCELLENEY.

LEAP-YEAR. — Every year, the number of which is divisible by 4 without a remainder, is a leap-year, except the last year of the contury, which as a leap-year only when divisible by 400 without a remainder. Thue the year 1900 will not be leap-year

#### 1861.]

#### 40 R. & A. MILLER'S CANADIAN FARMER'S ALMANAC. [1861.

A GERMAN astronomer, Schwabe, observing for 30 years the spots upon the sun, discovered that they passed through certain phases of increase and decrease every 11 years; and that there was an intimate connection between these phases and the magnetic state of the earth.

MEASURES OF SPACE .- A circle contains 360 degrees ; a degree 60 minutes; a minute 60 seconds, &c.; consequently a semici cle contains 180 degrees; a quadrant, 90 degrees; a sextaut, 60 degrees; and an octant, 48 degrees ; a right angle contains, or is measured by, 90 degrees, and two right angles by 180 degrees. The circumference of a circle is nearly 3 1-7 times its diameter, or more accurately, 3 1416 times; in other words, this number is the circumference of a circle whose diameter is unity : consequently the diamter of a circle is nearly 7-22, or more accurately, 31831 of its diameter. In France the circle is frequently divided into 400 degrees, a degree into 100 minutes, and a minute into 100 seconds, &c. The latter is called the centesimal system, and the former the sexagesimal; consequently, 1 centesimal degree contains 54 sexagesimal minutes; 1 centesimal minute, 32.4 sexagesimal seconds; 1 centesimal second, .324 of a sexigesimal second ; and also 1 sexagesimal degree contains 1 1-9 centesimal degree; 1 sexagesimal minute, 1.85185 centesimal minute; and one sexagesimal second, 3 08641 centesimal seconds. A mean sexagesimal degree of the terrestrial meridian measures 96.045 imperial inches.

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TO ASCENTAIN THE LENGTH OF THE DAY AND NIGHT.—At any time of the year, add 12 hours to the time of the sun's setting, and from the sum subtract the time of rising, for the *length of the day*. Subtract the time of setting from 12 hours, and to the remainder add the time of rising next morning, for the *length of the night*. These rules are equally true for *apparent* time.

MEASURES OF TIME AND MOTION.—A Mean Solar day is the mean apparent time of one revolution of the earth on its axis; and it is divided into 24 hours; an hour into 60 minutes; and a minute into 60 seconds, &c.; hence the mean daily apparent motion of the sun is 15 degrees per hour, or 1 degree in 4 minutes of time. A Sidereal day is the real and invariable period of the diurnal rotation, and contains 23 hours, 56 minutes, 4 1-10 seconds of mean solar time. A Tropical year is the period of one revolution of the earth in its orbit, and contains 365 days, 5 hours, 48 minutes, 49.19 seconds of mean solar time. The seconds' pendulum makes 86,400 vibrations in a mean solar day at the same place on the earth's surface.

VEGETABLE PRODUCTS OF THE UNITED STATES.—The official statistics show that the crop of Indian corn amounted in 1855 to 600,000,000 bushels, valued at \$360,000,000. The crop of wheat is 165,000.000 bushels, valued at \$247,500,000. Oats, 170,000,000 bushels, value \$68,000,000. Potatoes, 110,000,000 bushels, value \$41,250,000. Rice, 200,000,000 lbs., value \$101,000,000. Cane sample sugar, 589,000,000 lbs. value \$37, 350,000. Cotton, 1,700,000,000lbs, \$136,000,000. Hay and fodder, 16, 000,000 tons, the value \$160,000,000. The value of domestic animals and animal products in the States is set down at \$1,500,000,000.

To SOFTEN IVORY.—In three ounces of spirits of nitre, and fifteen of spring water, mixed together, put your ivory a soaking. And in three or four days, it will be soft so as to obey your fingers.

# HARTFORD, CONN.

INCORPORATED 1810. | CHARTER PERPETUAL. WITH A SUCCESSFUL BUSINESS EXPERIENCE OF

FIFTY YEARS.

CAPITAL AND SURPLUS,-\$1,000,000.

 ${f F}^{{
m ARM}}$  HOUSES and BARNS will be Insured for a term of years at very low rates ou application to

ROBERT WOOD,

Agent, Montreal .

NOME INSU ANCE COMPARY OF NEW YORK,

OFFICE, Nos. 112 & 114 BROADWAY.

CAPITAL AND SURPLUS,-\$1,500,000.

DWELLING-HOUSES and FARM BUILDINGS Insured at very moderate rates by

ROBERT WOOD, Agent, Montreal.

#### LEADING FEATURES OF

#### The Life Association of Scotland.

Founded 1838, and Empowered by Royal Charter and Act of Parliament.

ANNUAL DISTRIBUTION of Profits in Cash.

POLICY-HOLDERS FREE FROM RISKS OF PARTNERSHIP, and Sums Assured guaranteed.

RATES OF PREMIUM moderate, and calculated so as to place all ages on a footing of *perfect equality*.

PARTIES ASSURING for £500 sterling and upwards, may pay only one half the premiums until policy participates. MOST LIBERAL CONDITIONS as to limits of residence, &c.

INDISPUTABILITY OF POLICIES after five years.

SUMS ASSURED are payable in cases of death during days of grace, although the premiums be not paid

CERTIFICATES OF EXEMPTION from all restrictions on residence &c., granted after five years.

NO EXPENSE to parties assuring but the premium.

A New Scheme of UNCONDITIONAL ASSURANCE has been lately adopted by the Association. A Prospectus of it will be furnished on application.

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Medical Adviser,-Wm. Fraser, M.D.

Secretary for Canada,-A. DAVIDSON PARKER.

#### LIFE DEPARTMENT.

THIS Company prosecutes the business of Life Assurance in all its branches, and on the most approved principles. All business transactions finally concluded in Canada

THE RATES OF PREMIUM will be found moderate in comparison with those adopted by the majority of offices in Canada, and a comparison is invited. SURRENDER VALUE OF POLICIES.—The Directors have established a very

liberal rule relative to the surrender value of Policies, viz. that for the surrender of any policy for the term of life effected at uniform rates, and which has been three years in force, 40 per cent. on the amount of ordinary premiums received will at any time be returned, besides the value of vested bonwises where such have been declared.

HE.

# **COLONIAL LIFE ASSURANCE**

#### COMPANY.

HEAD OFFICES : EDINBURGH AND MONTREAL.

OFFICES, COLONIAL COMPANY'S BUILDINGS.

CAPITAL, ONE MILLION STERLING.

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The Hon. Justice McCORD, one of Her Majesty's Judges of the Superior Court of Lower Canada.

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ALEX. SIMPSON, Esq.

R S. TYLEE, Esq., Merchant.

H. H. WHITNEY, Esq., M.P.P.

Medical Adviser,-GEO. W. CAMPBELL, M.D.

Manager,-JAMES G. DICKSON.

The Income of the Company is now above £110,000 Sterling, while the Accumulated Fund exceeds £380,000 Sterling.

Proposals decided on by the Board in Montreal at any time.

A Bonus declared every five years, which can be taken for a present payment in cash, or applied in reduction of Premium, or it may be added to the amount of the Policy.

Claims settled in 3 months, or *i amediately* if required, under discount. Policies with Profits purchased after one year's Premium has been paid. A Policy for £1000 opened in 1847 has been increased by the appli-

cation of the Bonus to  $\pounds1235$ .

Age admitted on Policies on reasonable proof.

Policy Holders not liable for claims against the Company.

Every information on the subject of Life Assurance will be given here, or at any of the Agencies.

JAMES G. DICKSON,

Manager.

Montreal, Oct. 15, 1860.



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NEW PICTORIAL EDITION,

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- 8. Small Hand with Capitals.
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The attention of the Trade and Teachers is particularly requested to these Copy Books, which will compare favorably with any in the market.

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(Successors to Alfred Savage and Co.)

CHEMISTS AND DRUGGISTS.

PURE DRUGS, CHEMICALS, SOAPS, POMADES, PERFUMES, BRUSHES,

&zc. &zc.,

Have always on hand in addition to a general assortment of the above, the Largest Stock of SURGICAL INSTRUMENTS

in the Province.

ALSO :

Fine Turkey and other Sponges; London Hair, Nail, and Tooth Brushes; Shaving Soaps, Tinfoil; Syringes, Pewter and Glass, Breast Pumps, Feeding Bottles, Nipple Shields;

Hutchinson's Trusses, Hutchinson's Enema Apparatus.

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Blane's Old English Gargling Oil, Black Oils, Punderson's Condition Powders, Horse Blisters, &c. &c.

Medicinal Cod Liver Oil, guaranteed pure and fresh, always on hand by the barrel or in bottles.

Lamp Oil, Salad Oil, Dye Woods, &c. Garden, Field, and Flower Seeds,—our own importation.

#### Savage's German Baking Lowder :

Decidedly superior to anything else for making Bread, Biscuits, Patry, Cakes, &c. As several imitations of the article are being offered for sale, the public are requested to be particular in asking for SAVAGE'S. A large Commission to Country dealers.

N. B.—Since removing to our new and extensive premises in the CATHEDRAL BLOCK, we have greatly increased the variety and extent of our Stock, and respectfully invite our friends and customers to favor us with a call.

LAMPLOUGH & CAMPBELL.

# HOLLOWAY'S PILLS AND OINTMENT.

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#### Pure Blood, the Heart, Lungs, Liver, Stomach, Kidneys and Bowels.

This medicine acts immediately upon all these main springs of life, stimulating and restoring them to a healthy action. It is the greatest purifier of the blood ever known; has the largest sale of any medicine in the world; and is advertised in every language, and is used by all classes from pole to pole.

Scrofula, Erysinelas and Salt Rheum, Bad Legs, Old Scres, Ulcers and Dropsy.

This Ointment is guaranteed to perform a perfect cure in any of these diseases, even after all else have failed. Patients are urgently requested to make trial of one pot, its sterling worth and virtue will make it for ever after a household re.nedy.

Sold at the Manufactory of Professor Holloway, 80 Malden Lane, New York, and by all respectable Druggists and Dealers in Medicine throughout the civilized world, in pots at 25c., 62c., and \$1 each.

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FANCY AND STAPLE DRY GOODS.

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From the long experience the Subscribers have had in the selection of Colourings and Patterns, and also from the discrimination they have been enabled to exercise in securing the productions of the BEST MANUFACTURERS, they now find themselves in a position to offer inducements in Carpetings and Oil Cloths that cannot be surpassed.

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OBTIERS FROM THE COUNTRY CAREFUL Y ATTENDED TO.

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