THE SPECTATOR

# THE PECTATOR

CANADTAN

# farmer's almanac,

FOR THE YEAR OF OUR LORD

1867



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

Calculated for the Meridian of Toronto, in Latitude 43° 39' North, and Longitude 5 hours 18 minutes. West of the Royal Observatory, Greenwich, but will answer with sufficient exactness for the whole of Upper Canada.

Published Annually, and presented to the Subscribers of the Daily and Weekly Spectator.

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

T. & R. WHITE,

PRINCE'S SQUARE, HAMILTON, C. W.

SUBSCRIBE FOR THE SPECTATOR.

# OANADIAN FARMER'S ALMANAC.

-	4 yanasa
1	of this Almanac, in presenting another yearly edition, that the improvements he has made in the matter, will continue to the distribution. The prognostications of the probable state of the there are based upon the rules said to be drawn up by Herschel, Clarke, Darwin, combined with a practical acquaintance with the Canadian number.
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Dominical Letter
	Fixed and Moveable Festivals.
	Epiphany Jan. 6 Septuagesima Sunday Feb. 17 St. David March 1 Ash Wednesday 6 Quinquagesima Shrove Sunday 7 day 7 Quadragesima, 1st Sunday 10 St. Patrick 17 Annunciation, Lady Day 25 Palm Sunday April 14 Good Friday 19 Easter Sunday 21 St. George 22 Low Sunday 24 Birth of Queen Victoria May 24  Rogation SundayMay 26 Ascension Day, Holy Thurs and ay 30 Pentecost, Whit Sunday 16 Corpus Christi 20 Accession of Queen Victoria 20 Proclamation 21 St. John, Midsummer day 21 St. Michael, Michaelmas day Sept 29 St. Andrew 30 St. Thomas 30 St. Thomas 30 St. Thomas 30 St. Thomas 30 St. Andrew 30 St. Thomas 30
	Holidays Observed at Public Offices.
	Circumcision Jan. 1 Epiphany 6 Annunciation March25 Good Friday April 19 Ascension Day May 10 Queen's Birthday 24  Corpus Christi June 20 St. Peter and St. Paul 29 All Saints' Day Nov. Conception of the Blessed Virgin Mary Dec. Christmas Day 2
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No.	Beginning and Length of the Seasons.
	Winter begins, December 21st, 1866

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Solstice, 1867.... Average lengt The Sideres

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Length of the the Winter, 1866-7	89	0	57	
Length of the Spring, 1867	92	20	33	
Length of the Spring, 1867Length of the Summer, 1867	93	14	23	
Length of the Autumn, 1867	89	18	4	
Sun North of the Equator	186	10	56	
Sun South of the Equator	178	19	1	
During the year 1866-7, Sun longer in N Signs	7	15	55	
Average excess of Sun in N. signs	7	16	51	
Length of the Tropical year, commencing at the Winter				
Solstice, 1866, and terminating at the Winter Solstice,		P. P. Carlo		

1887. Average length of Tropical year.

The Sidereal year is 365.256. The Anomalistic year 365.260.

the months, only about an hour

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

# Eclipses during the year 1867.

In the year 1867, there will be two Eclipses of the Sun, and Two of the Moon. 19 Vilgas Ball Talle

I. On the 5th and 6th March, there will be an Annular eclipse of the Sun, invisible on this Continent.

II. On the 20th March, a partial eclipse of the Moon visible in Canada, the phases occurring at the following times, viz., 1st contact with penumbra, 1.36 a m., 1st contact with shadow, 1.49 a m., centre elmas day Sept 29 of eclipse, 3.32 a m., last contact with shadow. 5.05 a m., last contact with penumbra, 6.15 a m., and as the Moon sets at that time, it will set apparently eclipsed.

III. On the 28th, 29th August, a total eclipse of the Sun visible only in the South Atlantic Ocean and land adjacent.

25 IV. On the 18th September, a partial celipse of the Moon, visible in Canada, and as the eclipse will have begun previous to the Moon's rising, the first phase visible will be the middle of the eclipse at 7.09 p m., last contact with the shadow occurring at 8.39 p m., last eontact with the penumbra, 10.50 pm. loop yours in them tipe letter is whanged at the end of February, movin

### Appearances of the Planets 1867.

a offer packwards at that every leap year has two Hominical Lotters.

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

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

## Explanation of the Calendar Pages.

1 & 2 Contains the days of the month and week.

& 4 The rising and setting of the Sun's centre in Mean time.

5 The time of the Sun's passing the meridian the difference of which from noon will give the equation of time.

6 The Sun's declination or distance North or South of the Equator. 7 The rising and setting of the Moon—the setting being given from New to Full, and the rising from Full to New Moon.

8 The time of the Moon's southing or passing the meridian.

The letter m signifies morning, and a afternoon. The top of each page gives the Moon's phases, or times of New an Full Moon, and of the first and last quarters, or two quadratures with

The Epact is simply a derivative from a Greek word to intercalate, and signifies nothing more than the Moon's age at the end of the year, the only

use of it is to adjust the lunar to the solar year.

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

CYCLE OF THE SUN is a period of 28 years, after the expiry of which Rome, namely 7 the days of the Month throughout the year return to the same days of the week, if it was not for lear years, it is obvious the Cycle would consist

only of seven years.

ROMAN Indiction, a period of 15 years used by the ancient Romans about 290 days still used by the ecclesiastical autorities of Rome who date their act than 45° from t

according to its year.

JULIAN PERIOD the product of these three cycles multiplied by each sated by its being other [19×28×15, ] and thus amounting to 7980, it had an imaginary Mercurys; to 1 beginning 710 years before the creation so that we are now in the 6580th Mars; 973 Jupi year of it when in the year 3267 A.D., this period shall be completed the nearest is three three cycles will start together again.

DOMINICAL LETTER, The 1st of January of each year is denoted by the ring is said to re letter A and so on until the seventh is denoted by G; after which we g back to A for the eighth and so on throughout the year. Now the lette is seldom seen. which stands against all the Sundays of the year, is called the Domnica and in Perigee Letter for that year. There is an exceptional arrangement in the case of tude we someti leap years, in them the letter is changed at the end of February, moving arises from the a letter backwards so that every leap year has two Dominical Letters, days near the a a letter backwards so that every leap year has two Dominical Letters,

The divisions of time are simply measures and these we call years same time by the months, weeks, &c., these are partly natural and partly arbitrary. The sing as we proceed natural are the day and years; the former being the time in which the must be two ecl earth rotates on its axis; the latter, that in which it revolves once roun the moon are al the sun. The abstract day is always equal from noon to noon. The year. There we source from which the names of the days of the week are derived are a December 22, follows. Sunday the day of the Sun. Monday the day of the Moon total eclipse of Tuesday is the day of the God of war in the old German mythology, an atmosphere whe so corresponding to the Mars of the Romans. Wednesday is the day of Wodein, one of the chief deities of the Germans and undoubtedly the same as the oriental Buddha. Thursday is the day of Thor, correspondin periodic shower in some respects to the Jupiter of the Romans. Friday is the day of this is correct, and the same as the day of the same Freya the German Venus. Saturday is the day of Sator or Saturn.

The beginning either of the eq some argument fixed on the 1st up to 1752 the this however s having all along which our serie birth of Christ, cording to the b done in the sixt true date is 4 o selves reckon fr sometimes from temple, and fr nations date fro Medina on the 1 synodical month years they coun periods of four The Romans rec

The Planets the planet is to planet is to the elongation it ap the second 7,200 hours and 10 mi

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

Rome, namely 753 B.C.

The Planets being called morning and evening stars, is simply when the planet is to the west of the sun and rises before it; and when the planet is to the east and sets after it, in the case of Venus it is alternately ancient Romans about 290 days a morning and evening star; Venus never moves more o date their act than 45° from the Sun, when between its inferior conjunction and greatest elongation it appears brightest, its want of size being more than compen-Itiplied by each sated by its being so much nearer the earth, the Sun is equal to 20,610,000 d an imaginary Mercurys; to 1,520,000 Venuses; to 1,328,400 Earths; to 9,394,000 ow in the 6580th Mars; 978 Jupiters; 1,399 Saturns; Saturn's ring is double and the be completed the nearest is three times as broad as the other, the one being 20,000 miles and the second 7,200 miles; the space between them is 2,839 miles; the inner denoted by the ring is said to rotate in 11 hours and 16 minutes, and the outer part in 17 fter which we g hours and 10 minutes. Mercury never moves above 28° from the sun and Now the letter is seldom seen. When the Moon is in Apogce it is 252,600 miles distant, ed the Domnica and in Perigee only 222,400 miles; owing to the Moon's libration in latient in the case of tude we sometimes see one pole, and then the other, the harvest moon bebruary, moving arises from the varied angle of the ecliptic, so that the moon for several days near the autumnal equinox rises nearly at sunset, and about the we call years same time by the clock, this irregularity is nothing at the equator, increa-arbitrary. The sing as we proceed north. As the ecliptic limits of the sun are 30° there me in which the must be two eclipses of the sun; every year, but, as the ecliptic limits of me in which the must be two eclipses of the sun; every year, but as the ecliptic limits of the moon are about 23° there may be no eclipse of the moon within the year. There will be considerable eclipses of the sun February 23, 1868, December 22, 1870; August 19, 1887; and August 9, 1896; during a total eclipse of the sun light is derived by reflection from parts of the atmosphere where it is not total.

According to the theory of the celebrated Astronomer Olber, the periodic showers of Shooting Stars attains a maximum in 34 years, if this is correct, and from previous coincidence it is confirmed, a display of astonishing brilliancy may be looked for about the 11-13 November, 1867.

1867. nexical betwird true farming and ik.

# January, 31 Days. Begins on Tuesday

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too strongly urged to employ the time, when the necessary duties of homestead and cattle permit, in studying agricultural books and periodicals, such as the Canada Farmer. Of course their proper place is simply as aids to that practical knowledge which can only be acquired by experience; and, as the theory is now exploded, that any one can make a farmer, he must be a man of education and thought. The suggestions contained in these books give room for thought, and if tried on a small scale and modified to suit locality, &c., may lead step by step to his social improvement, and, in no occupation in life is there so much occasion for calling upon the aid of science, and the understanding of the close connexion betwixt true farming and it.

1867]

### dinoM b.7 1867] MEMOBANDUM FOR JANUARY. Tuesday : 1 London, 2 m ni hie me omes Siret Quarters. 7 04 a 11 08 m. 2 10 m. 38 80 196 3 .B 51 16 10 ES 203. 4 19 22 m. 5 dirth of Christ. 6 BNTS, &c. NTS, &c. 7 done in the six t el alch omi in m. h. m. 8 100 A991 8 7 19 sometimes from M 18 47 83 been 900 ion. BE. Signed iday after hipipha 101 u, 1730. Clear s ap. 3p.m,Cold, Canada, 1663. 32 41 ricatly d. 1804. wear coming Stormy, ama. mani. ama 12 Heavy d 1642. Snow 13 ptured. and Rain. January neron Clyde 1812 144 22. 3 14 Vi d nergandêe'i 28 y after Epip'ny Thaw, Mild with 00 21 perisce Sam, 15 15 10 4 41 16 rigee, 9 a.m. 10 17 63 6 born, 1706. Capada s casional showers 18 Lythes at att born 1736. of 58 5 y after Epip'ny. K. Parliam't 1261 19 on, born, 1788. rn, 25, 1759. Rain 20 21 ne direla Becoming colder, on of St. Paul pogee, 3 a.m. 27th 22 historian, d. 1794. Ends very L. beheaded, 1646. 23 the second out to noute 24 depends upon the care ante lea W p. 7 p.m. Stormy. mals which pay their thr/good cure no better 25an andt paiqeed armer cannot be 26 duties of homeany ... I'me aumai lbe and periodicals, to remy rot ace is simply as quired by expe-28 averportion of food opnamined in wi ne can make a S required 29 mine sdi nisiniam of The suggestions Hwiboot sast odt, stink 30 tried on a small tep to his social

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	Zita							-	-		8			

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

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Month ends

Kingston, 1817.

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D	AYS.	Su	N.	Sun on Merid.	D	Sun's eclin- ation.	Moon Rises and	Moon on Merid.	EVENTS, &c.			
M	Week	Rises.	Sets.		_		Sets.			h ()		
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		5 4	8 6 20	12	04	4 10	3 23	8 40				

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

1867]

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NTS, &c.

Day. March

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# April 30 days Begins on Monday

Toronto.

London.

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Kingston.

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

1867 hbs W

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29 min

Monday
London.
h. m. 2 5 38 a. 9 44 m. 5 41 a. 8 35 a.
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New Moon.....

Moon's Phases.

Toronto.

h. m.

23 m.

Fu	ill Moo	n rter		It	8	00 a. 48 m, 18 a.	8	47 a. 85 m. 05 a.	8 27 m. 11 57 m.
1	Days.	Su	in.	Sun on	Sun's Declin-	Moon Rises and	Moon	EV	ENTS, &c.
M	Week	Rises.	Sets.	Merid.	ation.	Sets.	Merid.	4	7
-		h. m.	h. m.	h. m.	o ,	h. m.	h. m.	81. Par-	0 6/8
	Wed.	4 57	6 57	11 57	15 06	3 32m	9 43		May
	Thur.	4 55	6 58	11 57	15 24	4 05	10 35	Jamaica (	lis. 1494. begins
	Fri.	4 54	6 59	11 57	15 42	4 39	11 28	4th. Clock	ks introd. 1264.
	Sat.	4 52	7 00	11 57	15 59	Sets-	0 25a	5th, Nap.	I. d. cold, with
		A P1	7 03	11 57	16 17	7 39a	1 24	2nd Suno	lay after Easter
	SUN.	4 51	7 01 7 02	11 56	16 34	8.49	2 24	5th. Moor	n's perigee, 6 p.m
6	Mon. Tues.	4 49	7 03	11 56	16 50	9 54	3 25	6th. Osw	ego taken, 1814.
70	Wed.	4 48	7 05	11 56	17 07	10 54	4 25	Venus' re	v.on axis dis. 1668
-	Thur.	4 47	7 06	11 56	17 24	11 48	5 21	T . T . 3	requent showers
	Fri.	4 46	7 08	11 56	17 39	Morn'g.	6 15	Bat. Lou	, 1796. Becomin
11	Sat.	4 45	7 09	11 56	17 55	0 34m	7 06	iztn. Per	ceval assin. 1812.
•••				133 80	18 10	1 13	7 54	3rd Sun	lay after Easter
20.72	SUN-	4 44	7 10	11 56	18 25	1 49	8 41	0.00	fairer an
13	(10)	4 42	7 11 7 12	11 56	18 39	2 20	9 27	Vaccinat	ion tried, 1796.
14	Tues. Wed.	4 41	7 13	11 56	18 54	2 50	10 12	O'Connel	ll d. 1847. spring
10	Thur.		2 14	1	19 08	3 19	10 58		lik
17	Fri.	4-39	7 15	11 56	19 24	3 49	11 44	Tallyran	d d. 1838.
18	Sat.	4 38	7 16	11 56	19 35	Rises.		l and	Ава
				13 70	19 48	8 19a	0 30	Ath Suno	lay after Easter
	SUN.	4 37	7 17	11 56	19 48 20 01	9 10	1 17	Columbu	s d. 1506. chang
2(	Mon.	4 36	7 18	AND ALL DESCRIPTION OF STREET	20 13	9 57	2 05	Moon's a	pogee, 6 a.m.
	Tues.		7 20		20 25	10 39	2 52	1st Eng.	Rail. Act pas. 180
	Wed.	State of the last	7 21		20 37	11 18	3 39	Franklin	sailed, 1845. ab
	Fri.	4 83	1	20.00	20 48	11 54	4 26	Birth Qu	ieen Victoria, 181
21	Sat.	4 33			20 59	Morn'g	5 12	100000000000000000000000000000000000000	weathe
				33 20	91 30	0 27m	5 58	Rogation	a Sunday. Et
	SUN.				21 10	0 59	6 45	Hab, Co	rpus Act pas. 167
-	Mon.	1 4 00				1 29	7 33	Pitt bor	n. 1759.
	Tues					2 00	8 21		mon
	Wed					2 35	9 13	Ascensio	
3	Thur	4 28					10 07	Chalmer	s d. 1847. rain

Kingston.

36 m.

h. m.

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

1867]

London.

h. m.

2 15 m.

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London.

h. m. 2 15 m.

4 39 a. 8 27 m.

11 57 m.

TS, &c.

May 1494. begins introd. 1264.

d. cold, with

after Easter. perigee, 6 p.m. taken, 1814. naxis dis. 1668. quent showers. 796. Becoming ral assin. 1812,

after Easter. fairer and tried, 1796. .1847. spring-

like. . 1838.

Again

after Easter. gee, 6 a.m. il. Act pas, 1801. illed, 1845. able

n Victoria, 1819. weather.

unday. End as Act pas. 1679. of 1759.

month Day. very . 1847. rainy.

tivated fruit ceptions, the Dry weather state, fit to hen the rake, ed with most s, experience can be given. e well buried, f the ground, ge their roots

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23	l Sunday after Tris	W. 53	24-	01	er	3	01	53	1 80	51	39	-	26	B 1 - 12	G (2) 06

Pleurhing is one of the most important branches of agriculture, necessaria even to its existence. The object to be attained is threefold: let, to 122 verige the soil; sud; to expose a great depth of soil to the notion of 26 ob to be to be to be many fertilizing substances brought do by rain and anow, and absorbed by the soil. A small proportion of wa72 ploughed; such soil is sooner affected by the drouth and is dry at a greated depth than deep earth. Common ploughing does not reach sufficience deep to accomplish all that is desired; but deep ploughing and olts are effected by following the common plough with the sub 06

It simply loosens the subsoil, and leaves it is that state, tig

Moon's Phases.	-	Ki	ngston.	To	ronto.	L	ondon.
New Moon	Day 2 9 16 25	h. 10 1 11 0	m. 08 m. 33 m. 50 a. 23 a.	h. 9 1 11 0	m. 55 m. 20 m. 37 a. 10 a.	h. 9 1 11 0	m. 47 m. 08 m. 29 a. 02 a.

1	Days.	Su	in.	Sun		Sur		R	oon	77	oon	EVENTS, &c.
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1	Sat.	4 27	7 29	11	58	22	04	3	52	11	05m	Battle of Lime Ridge.
9	SUN.	4 27	7 30	11	58	22	11		Sets.	0	06m	Sunday after Ascension.
	Mon.	4 27	7 31	11	58	22	19	-8	43a	1	09	Moon's perigee, 1 a m.
4	Tues.	4 26	7 32	111	58	22	26	9	39	2	10	3d Transit of Venus, 1769
5	Wed.	4 26	7 32	11	58	22	33	10	30	3	-11	Changeable weather
6	Thur.	4 25	7 32	11	59	22	40	11	13	4	08	Gradually Gradually
7	Fri.	4 25	7 32	11	59	22	46	11	50	5	01	U. States Bank inst., 1791 become
8		4 25	7 33	11	59	22	51	Mo	rn'g.	5	52	become
							******					Whit Sunday. mor
9	SUN.	4 24	7 34	11	59	22	56	0	24	6	40	Riots in Montreal, 1853.
	Mon.	4 24	7 34	11	59	23	01	0	55	7	26	Roger Bacon died, 1294.
11		4 23	7 35	11	-59	23	-06	1	25	8	12	New York incorpor'd 166
	Wed.	4 23	7 35	11	59	23	10	1	55	8	57	settled an
13	Thur.		7 36	12	00	23	13	2	25	9	42	American Tea Taxed, 176
14		4 23	7 36	12	00	23	17	2	58	10	28	Magna Charta signed, 121
15	Sat.	4 23	7 37	12	00	23	19	3	34	11	14	Magna Onar ca signous
				1 30		23	22	''E	ises.	M	orn e	Trin. Sunday. ho
	SUN.	4 23	7 37	12	00	23	24	7	548	0	000	Moon's anogee, 11 a.m
	Mon.	4 23	7 37	12	01	23	25	8	38	0	49	Rattle of Waterloo, 1815.
	Tues.	1	7 38	12	01	23	26	9	19	li	36	Q'n Victoria's accession
	Wed.	- marine	7 38	12	01	23	27	9	56	2	23	Cornus Christi, Clos
	Fri.	4 23	7 39	12	01	23	27	10	31	13	10	Summer Solstice. Wit
2	2 Sat.	4 24	7 39	12	1. 10.77	23	27	11	02	3		Thunde
61	Dat.	3 43	1 . 00		02	-						
9	SUN.	4 24	7 39	12	01	23	-27	11	32	4		1st Sunday after Trinit
	4 Mon.	4 24	7 39						orn'g	. 5	27	St. John, Mid Sum. day,
-	Tues.							. 0	02n	1 6		Bt. of Bannockburn, 131
	6 Wed.	dill little-citie-des	THE RESERVE OF THE PARTY OF THE					1		7		Unsettled an
2	-							1		17		English cap. B. Ayres, 180
	8 Fri.	4 25				25				8		Queen's Cor'n 1838. We
2		4 26			03	23	12	2	28	9	46	St. Peter and St. Paul.
110												2 2 Company of the Marian
3	O SUN.	4 26	7 39	1 12	03	1 23	10		3 19	710	48	2nd Sunday after Trini

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

1867

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# 1867] MEMORANDUM FOR JUNE.

oronto. London. 1	E		store.	on:	Ä			.83	s Phas	noelf	
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isuse augurim 1030.	21 69	6	35	1 03	10	13	(di)	15	7 35	4 86	12 Frid.
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Hay is one of the most important crops, whether as regards market 45 home consumption. The comparison of cattle led upon hay properly mad retaining flash and improving in appearance, and others, where the hay improperly cared, absolutely appearing to starve when withdrawn from the pacture, would be enough to prove to any case that the more care care cleed upon this crop the better has every respect. The quality of the hat depends on the herbage of which it is enaposed, on the stage in which it is enaposed, on the stage in which is cont, and on the process of making.

To produce rich and propuetive pastures, we must anticipate nature as

thoroughty stocking the land with a good variety of the best grasses, such as are palatable and nutritious; that resist drought and grow at low teos peratures; that are large growers, and spring quickly after being cropped.

Saturday.

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ime Ridge.

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of Venus, 1769.
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day. hot, ogee. 11 a.m Waterloo, 1815. Fria's accession 37 close Solstice. with Thunder.

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Mid Sum. day.
nnockburn, 1314.
Unsettled and
ap. B. Ayres, 1806
Jor'n 1838. Wet.
and St. Paul.

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Moon's Phases.

Toronto.

London.

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D.	AYS.	SU	N.	Sun		Sur	in-	Moon Rises	0	oon n rid.	EV	ENTS, &c.	6
M	Week	Rises.	Sets.	Meri	d.	atio	ou.	Sets.	-				- 17
3 4 5	Mon. Tues. Wed. Thur. Frid. Sat.	h.m. 4 27 4 28 4 29 4 29 4 29 4 30	h.m. 7 89 7 39 7 39 7 39 7 38 7 38	12 12 12 12 12 12	m. 03 04 04 04 04 04	N ° 23 23 22 22 22 22	07 03 58 54 48 42	h. m. 7 242 8 18 9 05 9 47 10 24 10 57	h. 11 0 1 2 3 4	m. 50m 52a 53 50 44 35	1st, Bat. 2d, Peel U. S. Inc Sover'ns	erigee, 10 a. of Nile, 1798 d. 1850. and b lependence. first issued,	rght. 1776. 1817.
7 8 9 10 11 12	SUN. Mon. Tues. Wed. Thur. Frid. Sat.	4 31 4 32 4 33 4 34 4 35 4 36 4 36	7 38 7 37 7 37 7 37 7 36 7 36 7 35	12	05 05 05 05 05 05 05	22 22 22 22 22 22 21 21	36 29 22 15 07 59 51	11 27 11 58 Morn'g. 0 33m 1 00 1 35 2 13		22 09 55 40 26 12 59	Canada Battle	thunder s inv. 1812. ughrim, 169 heavy	quent torms and 0. rains.
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Kingston.

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

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

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'Moon's Phases.		Kingston.	Toronto.	London.
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n	AYS.	SU	N.	Suror	1	Sur Decl	lin-	Ri	oon ses nd	0	oon orid.	EVENTS, &c.
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456789	SUN. Mon- Tues. Wed. Thur. Frid.	4 56 4 57 4 57 4 58 4 58 4 59 5 00	7 14 7 13 7 11 7 09 7 07 7 06 7 05	12 12 12 12 12 12 12 12	06 06 06 06 05 05	17 17 16 16 16 15 15	43	9 10 11 11 11 Mo	58 29 01 26 orn's 52m 53	4 5 6 7 7 8	02 49 36 22 08 55 42	Close, thunder Battle of Brownston, 1812. Prince Arthur born, 1850, and rain. Canning died 1827. Becoming cold St. Lawrence discov. 1555
12 13 14 16	Sun. Mon. Tues. Wed. Thur. Frid. Sat.	5 01 5 03 5 03 5 07 5 09 5 10 5 11	7 04 7 03 7 02 7 01 6 59 6 57 6 55	12 12 12 12 12 12 12 12 12	05 05 05 04 04 04	15 15 14 14 14 13 13	18 00 42 23 04 46 27	1 2 3 4 B 7 8	28 27 19 15 dises. 40a 09	9 10 11 11 11	30 17 04 51 38n 24	some time
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C6 NO 12 NO 10 NO 10:	5 Sv N. 6 Mon- 7 Tues 8 Wed 9 Thur 0 Frid 1 Sat.	5 21 5 22 5 23 5 24	6 34	12 12 12	02 01 01 01 01	100	26 05 44 23 01	1 2 4	49 57 07 Sets. 7 24a	100	18 17 14 19 19 101	10th Sunday aft. Trinity Moon's Perigee, 9 p.m. Bombard of Algiers, 181  John Baptist beheaded. C. J. Napier died 1853. Wind

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

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London.

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TS, &c.

Hot, Hot, lenheim, 1704.

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Close, thunder ownston, 1812. ur born, 1850. and rain.

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after Trinity. s apogee. 1 a.m. and wet for Book, 1457. 1771. in died 1637.

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after Trinity.

Becoming finer and d in Irel'd, 1798 began 1775. re harvest like.

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

D	ays.	Su	n.	Sun		Sur	in-	Ri	ses nd	(	oon	EVENTS, &c.
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1	SUN.	5 28	6 32	12	00	N8	17	8	27a	2	40	14th Sunday after Trinity Chaugeable.
	Mon.	5 30	6 30	12	00	7	56	8	59	3	28	Peace with Am'a sig. 1783.
	Tues.	5 31	6 28	11	59	7	34	9	34	4	15	1st U. S. Congress, 1774.
	Wed.	5 31	6 27	11	59	7	12	10	10	5	02	6th Mayfi'r s. for N.E 1620
5	Thur.	5 32	6 25	11	59	6		11	50	5	49	Copenh'n bomb. 1807. Fair
6	Fri.	5 34	6 23	11	58	6	27	11	52	6	36	Moon's apogee, 5 p.m.
7	Sat.	5 35	6 21	11	58	6	05	Mo	rn'g.	7	24	Moon a shokee, a b.m.
									70		*******	12th Sunday after Trinity
8	SUN.	5 36	6 20	11	58	5	42	0	19m	8	11	Sebast. taken, 1855. with
3	Mon.	5 37	6 18	11	57	5	19	1	11	8	59	First import. of tea. 1391.
10	Tues.	5 38	6 16	11	57	4	57	2	06	9	46	bright days and
11	Wed.	5 40	6 14	11	57	4	34	3	03	10	82	cool clear nights
12	Thur.	5 40	6 12	11	56	4	11	4	02	11	19	Quebec taken, 1759.
13	Fri.	5 41	6-11	11	56	3	48	1	ises.	10	06m	
14	Sat.	5 42	6 09	11	56	3	25	6	43a	0	00m	Continues waste
			**********		******		00	P7	14	0	54	13th Sunday after Trinit
	SUN.	5 43	6 07	11	55	3	02	7	47	1	42	Geo. I landed in B. 1714
	Mon.	5 44	6 05	11	55	2	39	7	24	2	32	U. S. Const. pub., 1787.
	Tues.	5 45	6 03	11	54	2	16	8		3	24	much chang
	Wed.	5 47	6 01	11	54	1	52	9	03	4	18	S. Johnson b., 1709.
19	Thur.	5 48	6 00	11	54	1	29	9	49	-	14	Battle of the Alma, 1854.
	Fri.	5 49	5 58	11	58	1	06	10	41	6	12	more wind
21	Sat.	5 50	5 56	11	53	0	42	11	39	0	12	
							******	D.F.	orn'g	7	10	14th Sunday after Trinit
	SUN.	5 51	5 54	111	53	0	19	O	42	8	06	Autumnal Equinox. From
	Mon.	5 52	5 52	11	52	8 0	04	1	51	9	03	23d Moon's perigee, 1 a.u
	Tues.	5 54	5 50	11	52	0	28	13	00	9	58	Columbus' 2nd Voy., 149
	Wed	5 55	5 49	11	52	0	51	100	08	10	49	at nigh
	Thur	5 56	5 47	111	51	1	15	4	Sets	111	39	Philadelphia cap. 1777.
	Fri.	5 57	5 45	111	51	1	- 38	1	25a	0	30a	Rain if wind
28	Sat.	5 58	5 43	11	51	2	01	6	208	0	01/0	Tun u
							0	6	57	1	18	15th Sunday after Trinit
	SUN.	5 59	5 41	11	50	2	25	1.7	31	2	06	29th St. Michael. S.W.
.30	Mon.	6 01	5 39	11	50	2	48	1.9	.71	10	90	A CONTRACTOR OF THE PROPERTY O

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

Lo	ndon.
h. 6 7 9	m. 06 a. 08 a. 43 a. 16 m.
-2-	

TS, &c.

chaugeable. Am'a sig. 1783. ngress, 1774. s. for N.E 1620 mb. 1807. Fair ee, 5 p.m.

n after Trinity en, 1855. with t. of tea. 1391. right days and ol clear nights. en, 1759. tinues without

y after Trinity ed in B. 1714 pub., 1787. much change b., 1709.

ne Alma, 1854. more wind.

y after Trinity
Equinox. Frost
perigee, 1 a.m.
2nd Voy., 1492.
at night.
ia cap. 1777.
Pain if wind is Rain if wind is

y after Trinity chael. S.W.

n in regard to to cover the method is as he stem down effect is, that w the cluster, flowers each; neir level, and all the laterals ghteen inches hich acquire a

New York   Rise   Ris	4 5	46 m. 7 68 m.	mod	17	noo)	1	E'11	8118	8 1		10	11 M	Yew Moc Days.
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Ason a set a	-	skinwers, possji	68			8	64	1 F	100	11	80.4	06 80	1007
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Wed as a so it the is a so it the is a so it and it is a so it is	-	Mr. Simon and St. Jude	464	0	#20 #20	a		18	84			6 36 1	Mon
Tax greatest defect in our agriculture is caralessarize and wasts. Tix regard of order, system and economy, as the band of our tainging. If it is a dession of constant and immensa loss in many wave. The most strike example of this, perhaps, is the great negligence in regard to the saving menures. Notwithstanding the frequency with which this applied has menures.	-	PH EEL sinkloalHall	28	12	10	15	88			11	(id #	6 28	Wed.
regard of order, system and contemy, as the bane of our targing. It is a consistent of constant and immedia in many years. The mean strik is example of this, perhaps, is the great negligence in regard to the saving meaner. Notwithstanding the frequency with which this applied has	-			3		18			-		-		
example of this, perhars, is the great negligence in regard to the savings	24	di .gargarat 750 to 8	usd	ent	81 , 18	me	dos	e be	IN IN	etey	8 ,79	of ore	regard
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		Mo	on's	P	has	es.			Ki	ngs	ton.		To	ronto.	London.	2
Fu	rst Quali Moo	n	P	••••		******	. 1	0	h. 1 8 4 7	13 20 12	m. m. m. m.		h. 1 8 3 7	m. 00 a. 07 m. 59 m. 46 m.	h. m. 0 52 a. 7 59 m. 3 51 m. 7 38 m.	2
1	Days.		Su	n.		Sun		Sur	n's	R	oon	-	oon	EV	ENTS, &c.	ä.
M	Week	Ris	es.	S	ets.	Mei	rid.	ati			nd ets.		erid.			9
-	-	h.	m.	h.	m.	h.	m.	0	,	h.	m.	h.	m.			-
1	Tues.	6	02	5	37	11	50	83	11	8	06a	2	54a	Fulton st	on Hudson,	1807
	Wed.	6			35	11	49	3	35	8	45	3	42	Cartier at	Montreal, 15	35.
_	Thur.	6		-	34	ii	49	3	58	9	27	4	30	10 40 15 7	Rainy, clear	ring
	Fri.	6	To the same		32	11	49	4	21	10	13	5	18	1st E. Bib	le prtd. 1535.	up
	Sat.	6			30	11	48	4	44	11	01	6	04	Moon's ap	pog. noon. f	rom
•••			•••••	***		22	40		00	iii	54	6	51	16th Same	day after Tri	nito
	SUN.	6			29	11	48	5	31		rn'g.	7	38	1st Cong.	at N. York, 1	765
	Mon. Tuus.	6			26	111	48	5	53	0	50m	8	25	N. W. Ps	ge dis.1853. N	.W
	Wed.	6			24	ii	47	6	16	i	49	9	11	Bat. Sava	nnah, 1797. V	ery
10	Thur.		18	_	21	11	47	6	39	2	49	9	57		wet, m	
11			14		20	ii	47	7	02	3	51	10	46	Camperde	own fought, 1	797
	Sat.	6			19	ii	47	7	24	4	58	11	34	America	dis, 1492. r	ain
												****		1 P. 47 C	Jan a Chan Mai	
13			16		17	11	46	7	47		ises.			17th Sund	day after Tri	1014
	Mon.	16			15	11	46	8	09	6	21a	0	24m	13th, Bat	. Queenston,	Tor
	Tues.		19		13	11	46	8	32	7	00	1 2	17 11	Danmound	More settle surd. 1777.	with
	Wed.	6			12	11	46	8	54	8	46 37	3	09	Moon's	er. 10 p.m. br	igh
	Thur.	6	-		10	11	45	9	16	9	34	4	07	moon s p	pleasant d	avs
	Fri.	-	22		08	11	45 45	10	38	10	35	5	05	N. Marian	promounts or	-
20	SUN.	6	25	5	05	11	45	10	21	11	41	6	02		day after Tri	nity
21	Mon.		26		04	11	45	10	43	Me	rn'g.	6	58	Trafalgar	,	Colo
22	Tues		28		02	11	45	11	04	0	47m	7	51		with frequ	lent
23	Wed.		29		00	11	44	11	25	1	57	8	43		d Parlmnt, 1	
24	Thur.		30	4	58	11	44	11	46	3	05	9	33		showers, poss	IDI
25			31	4		11	44	12	07	4	12	10	22	Bat. Agir	court, 1415.	low
26	Sat.	6	33	4	55	11	44	12	28	5	17	11	10	Maria de la	31	1011
27	SUN.	0	34	1 4	54	11	44	12	48	1 8	ets.	iï	58	19th Sun	day after Tri	niti
28	Mon.		36		52	lii	44	13	08	6	02a	0	46a	St. Simo	n and St. Jud	le.
29	1	-	37	4		/ii	44	13	28	6	40	lí	34	Battle of	Brie, 1812. V	Vinc
	Wed.		38	4		lii	44	13	48	7	21	2	22		*	and
	Thur.		39	1 4	49	111	44	14	08	18	04	3	10	All Hallo	ws Eve.	rain

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

1867]

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$L_0$	ndon.	

h.	m.
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7	59 m.
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TS, &c.

Hudson,1807 ontreal, 1535. ainy, clearing ortd. 1535. up noon. from

after Trinity N. York, 1765. lis.1853. N. W. ah, 1797. Very wet, much a fought, 1797. 1492. rain.

after Trinity neenston, 1812 More settled, rd. 1777. with 10 p.m. bright bleasant days.

after Trinity 05. Cold with frequent arimnt, 1707. wers, possibly art, 1415.

after Trinity nd St. Jude. ie, 1812. Wind and Eve. rain.

waste. The ming. It is a most strik-to the saving a subject has eighborhood ot seen. On ; during the er of brooks an over estitit with many

186	7]	MEM	DRAND	UM FO	R OCT	OBER.			25
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28	nial yas c	AND DESCRIPTION OF THE PERSON	tenit er	T see	omani 5	io Ladgii	sie jante	gga n	g tools,
29	For 8 3713 1	بعثائها		ير بامل	for for	ion ad	re-spanners whereaster	alamantishda astropia	d) ; alo
30	pendent a	eling inde	91 36 06	usatsu	08 9(E)	RELICINA	year,	i some	( asiqi
91					-	-		-	

### 11th Month. November, 30 Days. Begins on Friday.

Kingston.

23 m.

h. m.

D.

Toronto.

9 10 m.

h. m.

London.

9 02 m.

h. m.

Moon's Phases.

First Quarter .....

4 20

L	ull Mo ast Qua ew Mo	arter				11 18 25 26	(	01 a.		7 11 11	52 a. 48 m. 53 m.	7 44 a. 11 40 m. 11 45 m,
1	DAYs.	S	UN.		un		ın's	Moon Rises	1	Moon	EVE	INTS, &c.
M	Week	Rises.	Sets.		rid.		on.	and Sets.	M	lerid.	EVE	11115, 660.
1 2	Frid. Sat.	h.m. 6 41 6 42	h.m. 4 47 4 46	h. 11 11	m. 44 44	8.º 14 14	27 46	h. m. 8 25 9 43	h 3 4	. m. 57a 44	All Saints Moon's ar	Day. Col
4 5	SUN. Mon. Tues. Wed.	6 44 6 45 6 46 6 47	4 44 4 43 4 42 4 41	11 11 11 11	44 44 44	15 15 15 16	05 25 42 00	10 57 11 55 Morn. 0 34m	5 6 7 7	31 17 03 48	20th Sund	ay after Trinit
	Thur. Frid. Sat.	6 49 6 50 6 51	4 39 4 38 4 37	11 11 11	44 44 41	16 16 16	18 36 54	1 34 2 37 3 44	8 9 10	34 23 12	Milton die P. of Wale	Weathe
1 2 3	Mon. Tues. Wed.	6 52 6 54 6 55 6 56	4 36 4 34 4 33 4 32	11 11 11 11	44 44 44 44	17 17 17 17	10 27 43 59	4 51 Rises. 5 37a 6 27	11 0	04 59 56m	Magna Ch	ay after Trinii Moi arta conf'd, 121 pleasan
5	Thur. Frid. Sat.	6 58 6 59 7 01	4 31 4 30 4 29	11 11 11	45 45 45	18 18 18	15 30 47	7 23 8 25 9 32	1 2 3	56 56 56	Moon's Pe Great fire	rigee, 4 a.m. in N. Y. 1855. Frost
7 9	SUN. Mon. Tues. Wed.	7 02 7 03 7 05 7 06	4 28 4 27 4 27 4 26	11 11 11 11	45 45 46 46	19 19 19 19	00 15 29 43	10 39 11 48 Morn. 0 57m	5 6 7	54 49 41 31	22d Sunda Jay's Trea	ty, 1794.
2	Thur. Frida. Satur.	7 07 7 08 7 10	4 25 4 24 4 24	11 11 11	46 46 47	19 20 20	56 09 22	2 01 3 06 4 10	8 9	18 06 53	P. Royal b	orn, 1840. High Wind nox died, 1572.
5	SUN. Mon. Tues. Wed.	7 11 7 12 7 13 7 14	4 23 4 22 4 21 4 21	11 11 11	47 47 47 48	20 20 20 21	35 46 58 09	5 13 Sets. 5 17a	10 11 0	40 27 16a	British ev	y after Trinit acuate N.Y. 178 Fair au
8	Thur.	7 15 7 16 7 16	4 21 4 20	11	48	21 21	19 30	5 59 6 45 7 35	1 2 2	04 52 39	mage and approximation of the	an disc'd, 1519 Frost ndrew's Day.

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

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Moon's apogee, 3 a.m.

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29

h.	m.	E-84000	
9	02	m.	
7	44	a.	
11	40	m.	1
11	45	m,	

Day. Cold ogee, 9 a.m.

NTS, &c.

ny after Trinity Wind 1854. and Rainy Weather. d, 1674. s born, 1841.

y after Trinity More arta conf'd, 1216 pleasant. rigee, 4 a.m. in N. Y. 1855. Frosty.

y after Trinity. Cold y, 1794.

with keen orn, 1840. High winds. lox died, 1572.

y after Trinitge cuate N.Y. 1783 Fair and an disc'd, 1519. Frosty. ndrew's Day. gee, 3 a.m.

ris house, and require to be h which they he will find at The plank to hat will open mending farmch any farmer to get a set of ve their value ependent and

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1	ronto. London	17		.800	1000	I.A.			.15	180411 1. 8	HOURS	nogonal (phrostnopen)
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6		2017	3 28-	,d.		4600	ri <del>da</del>	101	771	Sets.	Risca	M Week
7	anne de la case de la casa de la	·III	1	.m.	.ci	08	0.8	721, 43	.15 55	h.m.	n.m.	3/18/2
8	Napoleon I. er'd.1804. I	67 48	DA Se	23m	01	69	18 82	50 50	11	4 19	7 20	2 Mon. 3 Toes
9	5th, Hayti dis. 1492. It	27	8	aria.	M	36	52 52	50	11	4 19	7 22	awe.
10	Pilgrim fathers land, I	94	8	62	- 03	16	25 26 25	88	11	6 18	7 25	Y Sat.
11.	2nd Samilay in Adres	0.6	9	37	3	24	52	52	13	4 18	7 26	8 803.
12	Leagne of Cambray, 1	88	11	38	78.00	56	50	53 58	II	4 18	7 28 7	10 Tues. 11 Wed.
TO	Moon's Perizee, 9 a.m. Wind and m	40m 42	0	15a	7	10	23	0% 54	11	4 18	7 39	le Laur. 13 Frid.
14	washington died 1725.					71	50			4 18	70 %	16805
15	Whitfield born 1714.	38	à	45	01	20	23	88	11	4 19	7 82	16 Mon.
16	Tes Riots at Poston, I Battle of Niggaraster	18	a	1776 1898	MO	\$0 80	122	76 78	H	4 19	7 34	is well.
17	Winter Salation	76 88	-	80	8	12	23	88	11	4 20	00 7	SI Sat.
100	Ma Sunday in Advant	12	· e	- 56		13	23	59	II	4 81	7 26	22 Sux.
19	Peace with U.S. 1814. Caristona Day, west	00		10	3	27 26 26 24	8.5 8.5 8.5	59	11.	4 22 4 22	7 38	. for W 22
20	St. Stephens day. Moon's apogee, 3 p.m.	25th	0	6.02	-669 -71	08	83	16	13	48 4	7 38	27 Frid.
21	dugalo basas, 1818.	-			*****	-		540		20 1	97.7	
22	Society of Jesuits fd. 1 Midsummer day in Mr	89		10	8	10	25 25 25 25 25 25 25 25 25 25 25 25 25 2	\$0 \$0 \$0	81 81	4 27	7 39 7 39	29 SUN. 30 Non 31 Tues.

DECEMBER. Operations on the farm are usually suspended, in the facitude, by the dret of this month; though, as the ground may remark open for some short time, something may be done. out, walls built, drams made, ground ploughed, and materials for mam 25 as possible, in a condition congenial to their habits. Their comfort should not only requires a greater amount of food to sustain the system, farmers who are not already provided with cutting machines, wil their use is attended with considerable economy 29

Moon's Phases.	- 0	Kingston.	Toronto.	London.
First Quarter	D.	h. m.	h. m.	h. m.
	4	5 16 a.	5 3 m.	4 45 m.
	12	7 05 m.	6 32 m.	6 44 m.
	17	10 30 a.	10 17 a.	10 09 a.
	25	6 35 a.	6 22 a.	6 14 a.

DAYS.		Sun.		Sun	Sun's Declin-	Moon Rises	Moon	DYDVING
M	Week	Rises.	Sets.	Merid		and Sets.	Merid.	EVENTS, &c.
-		h.m.	h.m.	h. m	g 0 '	h. m.	h. m.	
1	SUN.	7 19	4 19	11 49	21 50	9 23a	4 12a	Advent Sunday.
2	Mon.	7 20	4 19	11 50	21 59	10 22m	4 57	Napoleon I. cr'd.1804. Fair.
3	Tues.	7 21	4 19	11 50	22 07	11 20	5 42	Council of Trent, 1548.
	Wed.	7 22	4 18	11 50	22 16	Morn.	6 27	5th, Hayti dis. 1492. Keen
	Thur.	7 23	4 19	11 51	22 23	0 21m	7 12	followed by
	Frid.	7 24	4 19	11 51		1 23	8 00	Pilgrim fathers land. 1620
	Sat.	7 25	4 18	11 52	22 38	2 30	8 49	rainy weather.
8	SUN.	7 26	4 18	11 52	22 44	3 37	9 42	2nd Sunday in Advent.
	Mon.	7 27	4 18	11 53	22 50	4 46	10 38	Becoming stormy
10	Tues.	7 28	4 18	11 53	22 56	5 58	11 38	League of Cambray, 1508
	Wed.	7 29	4 18	11 53	23 01	7 10	1 1 N. W. 10 25 25	12th. N. Zealand dis. 1642
	Thur.	7 29	4 18	11 54		Rises.	0 40m	Moon's Perigee, 9 a.m.
	Frid.	7 30	4 18	11 54		7 15a	1 42	Wind and snow
14	Sat.	7 30	4 18	11 55	23 14	8 24	2 43	Washington died 1799.
15	SUN.	7 31	4 18	11 55	23 17	9 36	3 41	3rd Sunday in Advent.
	Mon.	7 32	4 19	11 56		10 45	4 36	Whitfield born 1714.
17	Tues.	7 33	4 19	11 56		11 55	5 28	Clearing up
18	Wed.	7 33	4 19	11 57	23 24	Morn.	6 18	Tea Riots at Poston, 1773
19	Thur.	7 34	4 19	11 57	23 26	0 59a	7 05	Battle of Niagara, 1813.
20	Frid.	7 35	4 20	11 58	23 27	2 03	7 51	Cold and keep
21	Sat.	7 26	4 20	11 58	23 27	3 06	8 38	Winter Solstice.
22	SUN.	7 26	4 21	11 59	23 27	4 06	9 24	4th Sunday in Advent.
23	Mon.	7 37	4 21	11 59		5 04	10 11	Fair, fine christman
	Tues.	7 37	4 22	12 00		6 01	11 00	Peace with U. S. 1814.
	Wed.	7 38	4 22	12 00		Sets.	11 48	Christmas Day. weather
26	Thur.	7 38	4 24	12 01		5 29a	0 358	St. Stephens day.
27	Frid.	7 38	4 24	12 01		6 21	1 22	Moon's apogee, 3 p.m.
28	Sat.	7 38	4 25	12 02	23 17	7 17	2 09	Buffalo burnt, 1813.
29	SUN.	7 38	4 26	12 02	23 14	8 14	2 54	1st Sunday oft. Christma
	Mon.	7 39	4 27	12 03		9 11	3 39	Society of Jesuits fd. 1534
	Tues.	7 39	4 27	12 03		10 10	4 23	Midsummer day inAfrica.

DECEMBER .- Operations on the farm are usually suspended, in this latitude, by the first of this month; though, as the ground may remain 24 open for some short time, something may be done. Stones may be dug out, walls built, drains made, ground ploughed, and materials for manure collected. Attention should be given to keeping all the animals, as much as possible, in a condition congenial to their habits. Their comfort should be consulted, both as regards food and shelter. Undue exposure to cold, not only requires a greater amount of food to sustain the system, but pre- 28 vents the natural secretions, and actually wastes the bodily tissues. Those farmers who are not already provided with cutting machines, will do well to procure them. Their use is attended with considerable economy,

s on Sunday.

London.

h. m.
4 45 m.
6 44 m.
10 09 a.
6 14 a.

ENTS, &c.

Sunday.

1 I. cr'd.1804. Fair.

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Emmanuel, Frince of Saxe Cobourg and Gotha, who died at Wind P. Castle, December 1809.

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Augusta Victoria, hora May 25th, 1846, magried hib July 1868, P.E. 61 Ourstinn of Augustenburg; J.equae Caroling Aborta, both March 1861 1848; Arthur William Entrole, Albert Barolahay 14, 2880

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General of British North Amyrica, and Contain General and Good one QC Chest in and Over the Prevince and Carachaga Soviescola, New Innew Oc.

Denis Godley, Governor General's Secretary

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

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

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

# CANADA.

### THE GOVERNOR GENERAL.

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

Denis Godley, Governor General's Secretary.

Aides de-Co Secretary and Camp; Lieuter Colonel F. W.

MILITARY .the Forces in Aide-de-Camp

Hon. J. A. Adjutant Gene Deputy Adjut Deputy Adjut

President of th Atorney Gene Attorney Gen Commissioner Commissioner Provincial Sec Postmaster Ge Minister of Fi Receiver Gene Solicitor Gene Solicitor Gene Minister of A

Officers .- W

Hon. J. P. Ham P. H. Moo G. J. Good J. Ferrier.

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Brant (W. Elding), J. Brant (W. Edding), E. Brockville (Iowe), F.

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

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

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

# Permanent Officers - Litoruco avituoaxa in chancers; R. Lescoice, deputy and assistant every negligible of the contract of the

President of the Council
Atamost Ganoral Rest
Attorney General West, Hon. J. A. Macdonald. Commissioner of Crown Lands
Commissioner of Crown Lands
Commissioner of Public Works
Provincial Secretary
Postmaster General
Minister of Finance (pro. tem)
Receiver General . Hon. Sir N. F. Delicaus
Solicitor General for Lower Canada
Solicitor General for Upper Canada
Minister of Agriculture
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Officers. W. H. Lee, clerk; W. A. Himsworth, confidential clerk,

# Hemilards C. Merilard Hamilard Hamilard (City) C. Merilard Hamilard Hamilar

# Hon. U. J. TESSIER, Speaker.

Hon. J. P. Hamiltou	Hon. S. Mills
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Hon, J. Shaw J. J. Bathurst.	Hon, W. H. Chaffers Bougemont,
"A.J. F. Blair	"B. Flint Trent. "U. J. Tessier Gulf. "A. J. Duchesnay La Salle. "J. B. Guevremont Sorel. "P.U. Archambault Repentigny, J. Armand Alma. "D. McDonald Tecumseth. "G. Alexander

### ELECTIVE.—Continued.

Hon. D. Christie Erie.	J. O. Bureau De Lorimiere.
G. W. Allan York.	" J. B. G. Proulx De la Vallière.
" A. CampbellCataraqui.	" L. L. De St. Just Grandville.
" G. CrawfordSt. Lawrence.	" J. Hamilton
" D. ReesorKing.	" C. CormierKennebec.
T Rennett Eastern.	" L. LacosteMontarville.
"T. Bennett Eastern. "W. McMaster Midland.	" PrudhommeRigaud.
" E. LeonardMalahide-	" C. MalhiotShawenegan,
" J. C. Aikens	" J. E. Gingras Stadacona.
J. BensonNiagara.	"T. RyanVictoria.
" R. ReadQuinté.	" J. S. Sanborn Wellington.
" O. BlakeThames,	" A. BurnhamNewcastle.
" W. McCrea Western.	" A. VidalSt. Clair,
" A. B. FosterBedford.	" E. H. J. Duchesnay. Lauzon.
" F. Lemieux De la Durantay.	" J. S. SanbornSherbrooke.
" L. A. OliverDe Lanaudière.	

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

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### Hon, L. WALDBRIDGE, Speaker.

Argenteuil Hon. J. J. C. Abbott.
Bagot Hon, M. Laframboise,
Beance H. E. Taschereau.
BeauharnoisP. Denis.
Bellechasse E. Remillard,
BerthierA. Paquet. BonaventureT. Robitaille,
Brant (E. Riding)J. Y. Bown.
Brant (W. Riding).E. B. Wood.
Brockville (Town).F. H. Chambers.
Brome
Carleton
Chambly
ChamplainJ. J. Boss, CharlevoixA. Gignon.
Charlevolx
Chicontimi D E Price
ChicoutimiD. E. Price.
Compton J. H. Pope. Cornwall (Town) Hon. J. S. Macdonald. Dorchester H. L. Langevin
DorchesterH. L. Langevin
DrummondJ. B. E. Dorion
DundasJ, S. Ross.
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Durham (W. R's). H. Munro, Elgin (E. Riding). L. Burwell.
Elgin (W. Riding). J. Scoble.
Esser A. Rankin.
Essex
GaspéJ. LeBoutillier.
GlengarryD. A. McDonald.
Grenville (8. R'g)W. Shanly.

	Hottos
Grey	daimild MQF
Hastings (N. Kg)T. C. Walbridg	A.
Hastings (S. R'g)Hon. L. Wallburn HochelagaHon. A. A. Dor	ridge,
Huntingdon R. B. Somervil	le.
Huron and Bruce*.	
Jacques CartierF. Z. Tassé.	
Joliette	L .woll
KamouraskaJ. C. Chapais.	4
Kingston (City) Hon. J.A. Mac	donald.
Joliette H. Corneillier Kamouraska J. C. Chapais Kent M. McKellar Kingsten (City) Hon. J. A. Mac Lambton A. MacKenzie Lanark (N. R'g) Hon. W. McDo	11
Lanark (S. R'g)A. Morris.	ugan.
Lanark (S. R'g) A. Morris. Laprairie A. Pinsonneau L'Assomption L. Archambaul Laval J. H. Relierose	t.
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Leeds (N. Rid'g)F. Jones. Leeds (S. Rid'g)D. F. Jones.	
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Lincoln W. McGivern.	A 14版
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<sup>\*</sup>Seats vacated since Parliament was prorogued.

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Private Bill each House by Council, throu

Notice of in Canada Gazett week for two application.

CROWN LAN general, L. Bo lands are applin, Clontarf, I Pembroke, Pe

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<sup>\*</sup>Seats vacate

### LEGISLATIVE ASSEMBLY .- Continued.

De Lorimiere,
De la Vallière.
Grandville.
Middlesex (E. Middlesex (W. Missisquoi ....
Montarville.
Rigaud.
Shawenegau.
Stadacona.
Victoria.
WellIngton.
Newcastle.
St. Clair,
Lauzon.
Sherbrooke.
Middlesex (E. Middlesex (W. Missisquoi ....
Montrall City.
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ry; R. Lemoine, slator; Fennings hief office clerk; James Adamson, hals; A. A. Bour; Rev. W. Agar A.M., law clerk, man usher of the

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RichelieuJ. Perrault
RimouskiG. Sylvain. RouvilleJ. N. Poulin.
Rouville J. N. Poulin.
Russsell R. Bell.
St Hyacintha R Raymond
St. John's F. Bourassa
St. John's F. Bourassa St. Maurice C. Lajoie
Shefford Hon.L.S. Huntingdon.
Sherbrooke (Town) Hon. A. T. Galt
Simcoe (N. Rid'g)T. D. McConkey
Cimens (C. Did'es) M. D. Farguson
Simcoe (S. Rid'g)T. R. Ferguson
SoulangesW. Duckett StunsteadA. Knight
StunsteadA. Knigut
Stunstead
Temisconata
TerrebonneL. L. Viger
Three Riv. (City)C. B. De Niverville
Townto (City) A. M. Smith
Toronto (City) A. M. Smith J. McDonald
Two Mountains J. R Hanner
Vaudreuil A. Del Harwood.
Windowin I W Imperord.
Waterloo (S. R.) J. Cowan. Welland
WellandT. C. Street
Wellington (N.R., S. S. Parker
Wellington (S.R.). D. Stirton.
Wentworth (N.R.).J. McMonies
Wentworth (S.R.) J. Rymal
YamaskaM. Fortier
York (N. Riding)J. P. Wells
York (E. Riding)Amos Wright
York (W. Riding)Hon. W. P. Howland
TOLK ( M. DIGHTR) "TIOH, M. T. IYOMISHO

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

NOTE.—The names of the different members of both Houses are given as usual, although in all probability in contract of the Cardinal Contract of the R. N. A. R. Cardinal Contract of the R. Cardinal Contract

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

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

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

## some of more land HEADS OF DEPARTMENTS.

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

<sup>\*</sup>Seats vacated since parliament was prorogued.

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

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

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

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

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

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

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

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

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

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

### RATES OF POSTAGE ON LETTERS.

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

To Newfoundland, 20 cents per 1 oz.; prepayment compulsory.

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### Newspapers and Periodicals.

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

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COURT OF COMiction as a Courustice, Hon. W. nd, are located Canada, J. R. ; W. F. Whit-

n.; W. Dickinitor of public stoms' branch; R. Bell, canal

au; T. D. Har-

l; E. Parent,

Gee; Dr. J. C.

udeau, deputy;

ic Works, Post rt, secretary. jutant-general; general, Lower ral, Upper Ca-

v. E. Ryerson, intendent.

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## Postage Stamps.

Postage stamps of the respective values of 1 cent, 2 cents, 5 cents, 10 cents, 121 cents, and 17 cents, are provided for sale to the public.

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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:

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

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Money Orders on England, Ireland and Scotland .- Money Orders payable at any Money Order Office in Great Britain and Ireland can be obained at any Canadian Money Order office. The Orders are drawn in sterling, the commission chargeable being for £2 and under, 25 cents; from £2 to £5, 50 cents; from £5 to £7, 75 cents; from £7 to £10, \$1 00. No order can be drawn for more than £10; but any number of orders for £10 each may be procured. asked the Court Standard and swaft has note Sessions, the Juniors for Counties having no jurisdiction in the Cities-

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

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

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

COURT OF COMMON PLEAS .- This Court has the same powers and jurisiction as a Court of Record, as the Court of Queen's Bench. Chief ustice, Hon. W. B. Richards. Puisne Judges, Hons. A. Wilson, J. Wilson Heir and Deviser Court.—Commissioners, the Judges of the Superior Courts, and such other person as may be appointed by commission under the Great Seal. These duties are to determine claims to lands in Upper Canada, for which no patent has issued from the Crown in favor of the proper claimants, whether as heirs, devisees or assignces. Sittings at Toronto, first Monday in January and July in each year. Clerk of Commissioners, W. B. Heward.

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

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

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

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

INSOLVENT DEBTOR'S COURT.—The County Judge in each County pre-

### TERMS OF THE COURTS.

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

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

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

### CIRCUITS OF THE COURTS.

LAW CIRCUITS.—The Circuits are held twice a year in each county between Hilary and Easter Terms, and between Trinity and Michaelma Terms, except year, comment the second Mo

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January, April

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

### LEGAL HOLIDAYS.

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

### EDUCATIONAL.

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

University of Queen's College, Kingston. - Rev. W. Snodgrass, Principal, with fourteen Professors in Arts, Divinity, and Medicine.

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

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

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

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

	COUNTY.	JUDGE.	SHERI	FF. C	OUNTY	ATT'Y.
	Algoma District	.J. Prince	.R. Carne	yJ.	M. Han	nilton
1	Brant	.S. J. Jones	.L. Smith	G.	Van N	orman.
	Carleton					1002980
	Elgin	D. L. Hughes .	.C. Munro	J.	Stanton	981
1	Essex	.G. W. Leggatt	.J. McEwa	anS.	Macdor	ell.
	Frontenac	W. G. Draper.	.L. Corbet	t R.	M. Wi	lkison.
	Gray	H. Macpherson	.J. Maugh	anJ.	Creasor	tordam:
	Haldimand	.J. G. Stevenson	. R. Martin	a J.	R. Mart	in
	Halton	L. Davis	.G. C. Me	Kindsey.G.	T. Bas	tedo.
	Hastings	G. Sherwood	.G. Taylo	r0.	L. Cole	man.
	Huron and Bruce .	R. Cooper	.L. McDo	aaldIra	Lewis	r. Roes
	Kent	Wm. Wells	. L. Merce	r A.	D Mel	Dean
	Lambton					
	Lanark	J. G. Malloch	.J. Thom	psonD.	Fraser	data tre
	Leeds and Grenville					
	Lennox & Addingto	n.L. L. Burrowes.	.O. T. Pre	ayaW	. Wilki	son.
	Lincoln					
	Middlesex	J. E. Small	Wm. Gla	ss	Hutchi	nson.
	Norfolk	Wm. Salmon	.E. Deede	s W	. M. W	ilson.
	Northum'd & Durh's					
	Ontario	Z. Burnham	. N. S. Re	ynolds S.	H. Coc	chrane.
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COUNTY. JUDGE. SHERIFF. COUNTY ATT'Y. PeterboroughR. M. Boucher J. HallC. A. Weller,
PeterboroughR. M. Boucher Hall C. A. Wellen
Trescott and Russel . L. Daniel
Prince Edward D. Fairfield H. J. Thorp P. Low.
Since R. Gowan Wm R Smith I R Cotton
nenirewMr. Deacon Mr. Morris Mr. Duck
Stormont, Dundas, G. S. Jarvis D. E. McIntyreJ. F. Pringle,
VictoriaL Smith N. McDougall A. Lacourse.
Waterloo Wm. MillerG. Davidson T. Miller.
Wellington A. Macdonald G. Grange J. J. Kingsmill.
Wentworth A. Logie E C. Thomas & D D.
Welland H. W. Price R. Hobson L. D. Raymond
YorkS. B. HarrisonF. W. JarvisJohn McNab.

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

Dr. Morton, York and Peel.

"Turquand, Gore and Thames.

"Patullo, Home and Burlington.

Dewar, Newcastle and Trent.
Wm. McPherson, Erie & Niagara
J. A. Grant, Bathurst & Rideau.

Richardson, Univers'y of Toronto Dickson, Quinte and Cataraqui. Brouse, St. Lawrence & Eastern. Dr. Wm. McGill, King's and Queen's Clarke, Brock and Saugeen.

" Berryman, Victoria College.
" Fulton, Malahide and Tecumseh.

" Askam, Western and St. Clair.

" Aikins, Toronto School of Medicine.

Yates, Queen's College, Kingston

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

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

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

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

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Examinations are held twice during the session. A course of study at this institution qualifies for examination before the principal Medical boards in England. A staff of nine Lecturers, independent of the dean, carry on the work of this college, rates said ban streng to more bong add as studies

MEDICAL FACULTY OF QUEEN'S COLLEGE KINGSTON.-H. Yates, M.D., Dean, in conjunction with nine Lecturers on Medicine, Chemistry and Anatomy. Session extends from the first Wednesday of October to the Anatomy. Session extends and place and place and session and session and session extends and place and pla

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Their Capital, Branches and Agencies in British North America.

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

BANK OF MONTREAL.—Capital, \$6,000.000.—Montreal.

Branches .- Belleville, Brantford, Brockville, Cobourg, Guelph, Hamilton, Kingston, London, Ottawa, Quebec, Peterboro, Toronto, Whitby.

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BANK OF UPPER CANADA. Discoula temperate to age a fault edit to see

This institution became insolvent, September, 1866, and exists only to wind up its affairs.

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

Banque bu Prurle.—Capital \$2,000,000.—Montreal.

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

Branches.—Toronto, Quebec, Sherbrooke.

COMMERCIAL BANK OF CANADA. - Capital \$4,000,000. - Kingston.

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EASTERN TOWNSHIPS BANK.—Sherbrooke.

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Branches and Agencies. - Nicolet, Ottawa, Three Rivers, Toronto, Gaspe. ROYAL CANADIAN BANK .- Toronto, Bowmanville, Brampton, Cobourg.

### AGRICULTURE.

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

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

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

Lime prom any acidity favored by su tain salts nec Lime is the o turnips. Pol supplied by c little potash e heap. Soda is and it has a g growing too r this being a pl slenderly distr obtaining that of the readies the use of bon est modern dis in dust, or dis ficial manures, plant and anim plied. But it restored in a r benefit in like matter of direc a dressing of h yield its valual application of t land, were imp chiefly by its p concentrated s strongly marke early stages of

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

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

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

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

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These, at a fair valuation, sum up nearly \$120,000,000. The assessed value of farm lands was \$550,000,000 - the true value being more than the would soon make an altered appearance in some of our alseulav, besessa

The number of sailors and fishermen of the six Colonies at the same time were :- Upper Canada, 808; Lower Canada, 5,150; Nova Scotia, 19,637; New Brunswick, 2,765; Newfoundland, 38,578; Prince Edward Island, 2,138; total, 69,256. Exports of fish, nearly \$10,000,000. Ves sels built, 628, with an aggregate tonnage of 230,812 tons. Thus-

Canada sont equal a diw boa bearm	158	vessels,	67,209	tons.	,311
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vinces if united would have an annual export trade of \$65,000,000, and an equal import traffic; 2,500 miles of railway; and an annual general revenue of \$13,000,000.

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

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

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

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

1,123 grammar, normal and other schools

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## Agricultural Statistics of Upper Canada, extracted from

Township.	Number of Occupiers.	Acres under Culti- vation.	Fall Wheat.	Spring Wheat
and micom noon senion	eraupa (W)	of 000 to	45,580 100	anigaide
Brant	2333	148465	Bushels. 561913	Bushels
Bruce	4185	89230	45592	172547
Carleton	3721	149046	76377	596518
Dundas	2196	76700	6160	365100
Durham	3386	205107	871181	240631
Elgin	3248	166028	155166	736790
russex	9505	77105	122231	215274
Frontenac	2807	123834	10592	35080
Glengarry	2476	99880	10489	324955
Frenville	2478	106998	2283	141141
drey	5713	133885	33389	266813
Haldimand	2629	128445	96850	718148
Halton	1877	131209	417253	250026
Hastings	4098	198982	34337	184745
Iuron	6815	215325	140831	350915
cent.	3453	115858	172643	1628218
ambton	2869	96092	26970	121735
anark	3461	180436	53304	333302
ceds	3706	180234	31980	321990
ennox and Addington	2829	162560	5803	446579
incoln	1993	109098	63647	388612
uddiesex	5930	233672	76282	142264
Orioik	2819	145558	878383	1046096
orthumberland	3497	206900	199697	65230
ntario	3645	205353	352544	475558
Alura	4453	281058	886232	784530
eel	2509	171037	587433	657904
erth	4513	166419	105757	346706
eterborough	2241	107048	229549	1125043
escott	1412	53934	4852	130706
ince Edward	1903	150726	14581	57976
enfrew	2679	85461	75020	179799
issell	690	20712	6153	126343
Deoe	4614	202312	454191	83286
ormont	1819	80071	7099	891542
ctoria	2651	108834	140387	167425
aterloo	2792	183613	616163	567962
enand	2181	116531	74476	501034
elungton	5407	232346	233931	128607
entworth	2446	158667	318459	1098693
OF	4697	292218	836925	229377
goma	123	1819		560864
pissing	94	2823	46	130 1640

the Volume

extracted from the Volume recently issued by the Minister of Agriculture.

Spring Wheat.		Barley.	Rye.	Oats.	Potatoes.	Turnips.	Hay.
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	172547	Bushels. 115926	Bushels.	Bushels.	Bushels.	Bushels.	Tons.
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### the Volume recently issued bo MIT Minister of Acriculture

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

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

FENELON.

### MORAL COURAGE.

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

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

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

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

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

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

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

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

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

### CAUTION TO BOYS.

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

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

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Hamilton to Brantford .\_ " 66

Hamilton to Ancaster .- " " King Street,

t 10.30 a.m. and 4. p. m.

Hamilton to Caledonia.—Stages leave American Hotel, King treet, at 10. 30 a. m. and 3.30 p. m.

Hamilton to Waterdown, Carlisle, Kilbride and Cumminsville .tage leaves the American Hotel, King Street, at 2.30 p. m.

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The "Hamilton Produce Exchange Association," was formed in the early part of 1865; they have fitted up very convenient rooms in the same, building occupied by the Board of Trade, on King Street. During the Shipping season, the meetings are held every Thursday, from 11 A. M. to 1 P. M., and a very large amount of business is transacted on 'Change.

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INSPECTOR OF LEATHER AND HIDES:
GEO. STERLING, King Street West.

PRESIDENT-J.

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A. Green,
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R. C

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Rev.

Board Meeting Meetings, second at the Society's H

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Quarterly Meets of February, May DECEMBER 5th,

## St. George's Benevolent Society.

LIST OF OFFICERS-1866.

ROWN, V. P.

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T. F. Ross,

A. J. Nuthall,
W. Bowstead,
P. Barnard. becomes the Ron, it, B. Bull, it

CHARITABLE COMMITTEE.

R. C. Cooper, Geo. Sterling, S. F. Ross, F. N. Drew. This Company has its presenters in Canada, at liami

F. W. Fearman, A. Green, J. Peacock. F. N. Drew, R. C. Cooper. CYARRI STREET, Tag . M. P. P. Magam Falls; D

AUDITORS. Harall , pall Edwicker Wm. Henry Gillard and F. Cresswell.

William Storror, Secretary and Treasurer. TOWE REELD; Neq. Engine - Labelton W. A. HORINGO

Rev. J. G. Geddes, Rev. Drinkwater.
Rev. Hebden, Rev. Dr. Neville.

Dr. Ridley and Dr. Billings.

Board Meetings 1st Monday, in every month, 8 p. m.; Quarterly Meetings, second Monday in January, April, February and October, at the Society's Rooms, McNab Street.

St. Andrew's Benevolent Society.

PRESIDENT.-Matthew Leggat. Hamilton to Toront 1st. VICE-PRESIDENT.—James Watson, 2nd. VICE-PRESIDENT.-Robt. Service. SECRETARY .- Archd. McKeand. TREASURER. Robert Osborne. CHAPLAINS .- Rev. R. Burnet & Rev. Wm. Ormiston, D.D. PHYSICIANS.—Drs. McDonald and Hamilton. CHARITABLE COMMITTEE.-Wm. Brown, Convener; Adam Brown, Angus Sutherland, John Fairgrieve.

Quarterly Meetings held at the Royal Hotel, on second Thursdays of February, May, August, and November. DECEMBER 5th, 1866.

### St. Patrick's Benevolent Society.

OFFICERS FOR 1866.

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SECRETARY AND TREASURER.—John McKeon.

PHYSICIANS.—Dr. Ryal and Dr. O'Dea.

Meetings held quarterly on the third Monday of February, August and November, in the office of the Hon. H. B. Bull, Hugh Street.

### Great Western Railway of Canada.

This Company has its headquarters in Canada, at Hamilton W., where are also its chief workshops, rolling mills, &c. Directors in Canada are :-

Hon. WM. McMASTER, M. L. C., Chairman, Toronto; TH CLARKE STREET, Esq., M. P. P., Niagara Falls; DONA McINNES, Esq., Hamilton; CHARLES HUNT, Esq., London dnesday, "

OFFICERS: -THOMAS SWINYARD, Esq., General Mana Hamilton; JOSEPH PRICE, Esq., Treasurer, Hamilton; LOWE REID, Esq., Engineer, Hamilton; W. A. ROBINSON, I lay, Mechanical Superintendant, Hamilton; W. WALLACE, Traffic Superintendant, London, C. W.; JOHN CRAMPTON, I General Freight Agent, Hamilton; JAMES CHARLTON, General Agent, Hamilton; JAMES HOWARD, Esq., Gen inesday," Purchasing Agent, Hamilton.

Trains leave Hamilton for Suspension Bridge at 9.50 a.m., p. m., 7.30 p. m., and 2.40 a. m.

For London, Windsor, &c .- 8.45 a.m., 3.40 p.m., 5.35 p.m.,

### HAMILTON AND TORONTO.

Hamilton to Toronto.—7.10 a.m., 9.50 a.m., 3.45 p.m., 7.25 rsday, Toronto to Hamilton.—7.00 a.m., 12.55 p.m., 3.50 p.m., 6.55

### The Grand Trunk Railway.

The "Grand Trunk Railway," amalganiated with the Buff Lake Huron Railway, have a line of Freight Waggons running the village of Caledonia, on the Buffalo and Lake Huron Railwainesday, " the City of Hamilton, for the conveyance of Freight from Ham reday, to stations on the West end of the Grand Trunk Railway bet Sarnia and Toronto, and to all stations on the line of the Buffal rsday, Lake Huron Railway. The office in Hamilton is 3 doors we day, James on King Street; Mr. C. Armstrong is the agent at Hamilay,

Ma cord containing Bodies held at the

January

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nday, dnesday, ursday, esday. 1 ursday, 1' day, 25 day, February 1

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3.nday, June 7.-12.-11 13.-18.-

20.-24.-28.-

### Masonic Register for 1867. ociety. ord containing all the Regular Meetings of the various Masonic Bodies held at the Masonic Hall, corner of John & Main Streets. r.-K. Fitzpatri January 4.—Godfrey De Bouillon Encampment. day. 7.—The Hiram Chapter, No. 2. nday, dnesday, " 9.—Barton Lodge, No. 6. cKeon. ursday, 10.—St. John's Chapter, No. 6. esday, 11 15.—Strict Observance Lodge, No. 27. Dea. 17.—St. John's Lodge, No. 40. 25.—Acacia Lodge, No. 61. ursday, 66 25.—Acacia Lodge, No. 61. of February, I day, Edwary 1.—Godfrey De Bouillon Encampment. I. B. Bull, Hugh day, February 1.—Godfrey De Bouillon Encampment. Inday, 4.—The Hiram Chapter, No. 2. Inday, 4.—The Hiram Chapter, No. 6. Inday, 4.—St. John's Chapter, No. 6. Inday, 4.—St. John's Chapter, No. 6. Inday, 4.—St. John's Lodge, No. 27. Inday, 4.—St. John's Lodge, No. 40. day, 21.—St. John's Lodge, No. 40. 22.—Acacia Lodge, No. 61. day, 46 Toronto; TH day, Falls; DONA nday, March 1.—Godfrey De Bouillon Encampment. 4.—The Hiram Chapter, No. 2. 11 , Esq., London dnesday, " 13.—Barton Lodge, No. 6. ursday, 14.—St. John's Chapter, No. 6. 19.—Strict Observance Lodge, No. 27. General Mana sday, Hamilton; Gursday, 81 21.—St. John's Lodge, No. 40. 16 WALLACE, E day, April 1.—The Hiram Chapter, No. 2. CRAMPTON, I day, April 1.—The Hiram Chapter, No. 2. CHARLTON, I day, "5.—Godfrey De Bouillon Encourage. ROBINSON, I lay, 5.—Godfrey De Bouillon Encampment. D, Esq., Gen dnesday, " 10.—Barton Lodge, No. 6. 11.—St. John's Chapter, No. 6. arsday, 16.—Strict Observance Lodge, No. 27. 18.—St. John's Lodge, No. 40. 26.—Acacia Lodge, No. 61. 11 esday, at 9.50 a.m., lay, irsday, 26.—Acacia Lodge, No. 61. m., 5.35 p.m., lay, May 3 -Godfrey De Bouillon Encampment. nday, 6.—The Hiram Chapter, No. 2. dnesday, " 8.—Barton Lodge, No. 6. 9.—St. John's Chapter, No. 6. 16.—St. John's Lodge, No. 40. 21.—Strict Observance Lodge, No. 27. 3.45 p.m., 7.25 irsday, 3.50 p.m., 6.55 irsday, sday, 11 24.—Acacia Lodge, No. 61. vay. June 3.—The Hiram Chapter, No. 2. with the Buffa Iday, gons running lay, " Huron Railwi lnesday, " ght from Ham rsday, " Railway bet sday, " e of the Buffal rsday, " is 3 doors we day, " 7.—Godfrey De Bouillon Encampment. 12.—Barton Lodge, No. 6. 13.—St. John's Chapter, No. 6. 18.—Strict Observance Lodge, No. 27. 20.—St. John's Lodge, No. 40. 24.—Festival St. John the Baptist, all lodges.

28.—Acacia Lodge, No. 61.

agent at Hamillay,

Monday. July 1.—The Hiram Chapter, No. 2. Friday, 66 5 -Godfrey De Bouillon Encampment. Wednesday, " 10.—Barton Lodge, No. 6. 11.—St John's Chapter, No. 6. 66 Thursday, Tuesday, 16.—Strict Observance Lodge, No. 27. 66 18.-St. John's Lodge, No. 40. Thursday, 11 Friday, 26.—Acacia Lodge, No. 61. August 2 .- Godfrey De Bouillon Encampment. Friday, 5.—The Hiram Chapter, No. 2. Monday, Thursday, 8.—St. John's Chapter, No. 6. 14.—Barton Lodge, No. 6. Wednesday," 15.—St. John's Lodge, No. 40. Thursday. 20.—Strict Observance Lodge, No. 27. Tuesday, 23.—Acacia Lodge, No. 61. Friday, Monday, 2.—The Hiram Chapter, No. 2. Sept. Friday, 6.—Godfrey De Bouillon Encampment, Wednesday," 11.—Barton Lodge, No. 6. Thursday, 13 12.—St. John's Chapter, No. 6. Tuesday, 66 17.—Strict Observance Lodge, No. 27. Thursday, 66 19.—St. John's Lodge, No. 40. Friday, 27.—Acacia Lodge, No. 61. Friday, October 4.—Godfrey De Bouillon Encampment, Monday, 7.—The Hiram Chapter, No. 2. 9.—Barton Lodge, No. 6. Wednesday, " Thursday, 66 10.—St. John's Chapter, No. 6. 15.—Strict Observance Lodge, No. 27. Tuesday, 17.—St. John's Lodge, No. 40. Thursday. Friday. 25.—Acacia Lodge, No. 61. Nov. 1.-Godfrey De Bouillon Encampment. Friday, Monday, 4.—The Hiram Chapter, No. 2. 13.—Barton Lodge, No. 6. Wednesday," Thursday, " 14.—St. John's Chapter, No. 6. Tuesday, " 19.-Strict Observance Lodge, No. 27. Thúrsday, 22 21.—St. John's Lodge, No. 40. Friday, 22.—Acacia Lodge, No. 61. Monday, Decem. 2.—The Hiram Chapter, No. 2. Friday, 6.—Godfrey De Bouillon Encampment Wednesday," 11.—Barton Lodge, No. 6. Thursday, 12.—St. John's Chapter, No. 6. Tuesday, 17.—Strict Observance Lodge, No. 27. 46 Thursday, " 19.—St. John's Lodge, No. 40. 66 Friday, 27.—Acacia Lodge, No. 61. Friday, 27.—Festival St. John the Evangelist, all lodges triot Observance Lodge, No. 20 - St. John's Lodge, No. 4

14 .- Pestival St John the Papilet, all lodger

8 .... Acada Lodge, No 61.

ERRATUM.-By the terms of the red as follows: HILARY TERM .aturday of the er EASTER TERM. aturday of the 21 MICHAELMAS TE n Saturday of th Instead

COUNTY COURT & lerk. Sittings, RECORDER'S COU ity. Sessions a eptember, and th Sittings of the

No. of Where hele Hamilton ... First .. econd. Dundas .... Third.. Waterdown Fourth . Rockton . . . Fifth . . Stoney Cree sixth . Ancaster ... Beventh Glanford... Righth Binbrook.

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In the Best St Spectator Job ment.

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ERRATUM.—By Statute of last Session, 29 and 30 Vic., Ch. 4, Sec. the terms of the Courts of Queen's Bench and Common Pleas are red as follows:

HILARY TERM.—Begins 1st Monday in February, and ends on the aturday of the ensuing week.

EASTER TERM.—Begins 3rd Monday in May, and ends on the aturday of the 2nd week thereafter.

MICHAELMAS TERM.—Begins 3rd Monday in November, and ends a Saturday of the 2nd week thereafter.

Instead of as printed on page 36 of this Almanac.

COUNTY COURT & QUARTER SESSIONS.—A. Logie, Judge; S.H.Ghent, lerk. Sittings, 2nd Tuesday in March, June, Sept. and December.

Recorder's Court.—Presided over by J. E. Start, Recorder of the lity. Sessions are held on the first Monday in March, June, and leptember, and the third Monday in December.

Sittings of the Division Courts of the County of Wentworth for the year 1867.

No. of Court.	Where held.	Jan'y	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Name of Clerk.	P.O Address
Third Fourth Fifth Sixth	Hamilton Dundas Waterdown Rockton Stoney Creek. Ancaster Glan ford Binbrook	34 50 100 100 100	8 11	20 21 2 4 6 7 9	-	2366	25 27 28 29	344	20 21 31	23566	34	25 26 1 2 5 6 7	PK)	A. F. Begue	Waterdown Rockton Stoney Cr'k

### ADVERTISEMENTS.

## HAMILTON BRUSH FACTORY,

16 AND 18, JOHN STREET.
(ESTABLISHED 1857.)

ALFRED GREEN, Proprietor.

Every description of Brushes Manufactured at the Lowest Price. Curled Hair Manufactured.

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MOWER FOLDED FOR TRANSPORTATION.

TN bringing our "Ball's Ohio Com-BINED MOWER AND REAPER before the public for the sixth season, we do it with renewed confidence, The success which has attended this machine since its first introduction into the country must be very flattering to the inventor. We believe we were almost the first to manufacture it in Canada, and now probably two-thirds of all the Mowers and Reapers made in the country are from this pattern. That it

is a general favourtrials of Mowers and Reapers through the country, during the past harvest, and at the great "Provincial Trial," where there were fifteen combined machines entered, six of them were the "Ball's Ohio," and at that trial it took all the prizes awarded for combined machines, the one manufactured by us taking the First, with a Diploma.

The fact being established as to which is the best machine, the next question is, where can the best ones be procured? Our answer to this is a reference to the certificates of those who have used our machines, a volume of which we could publish, but we deem it unnecessary.

We simply state that our intention is to use none but the best material, and have all our work executed in a workmanlike manner. Being ourselves practical mechanics, and having had eighteen years' experience in the business, formerly their establishment, we feel confident of being able to compete with manufacturers in Canada who use the American Salisbury Iron, the strongest iron in the world, and that our Reaper business increased about eight times the times.

We also continue to manufacture the Pitt's Power and Separator, which stands unrivalled in the world as a grain thrasher and cleaner. We have made several very important improvements in ours during the past season, one of which is a new Concave, by which they will thrash and beard barley much better than they formerly did.

All orders addressed to us will be promptly responded to.

L. D. SAWYER & CO.

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During the season very much larger no than any previous so We, however, cons the best farmers in now getting into su

Messrs. L. & P. Sav

DEAR SIR,-We, Reapers and Mowe James Soutar, Chat not ignore the fact on certain kinds of purposes and as a Province (and we especially pleased its construction, wi and with the plain general character of condition of the m which, so far as w gearing on account excellencies the sa similar machines s

We heartily reco

John Edwards,
Richard Tyhurs
James Scane, R
John McLaren,
Edw. Tyhurst,
Timothy Dillon,
William Wallace
Robert Willmor
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### ERTIFICATES

During the season just closed we have manufactured and sold a very much larger number of Ball's Combined Mower and Reaper than any previous season, and we could publish scores of certificates. We, however, consider the following, which is signed by over 20 of the best farmers in Canada West, as sufficient, as our Machines are now getting into such general use that they speak for themselves.

Messrs. L. & P. Sawyer, Hamilton.

DEAR SIR,—We, the undersigned, are happy to state that the Reapers and Mowers purchased this summer of your Agent, Mr. James Soutar, Chatham, have given complete satisfaction. We will not ignore the fact that there are other machines of merit, which on certain kinds of work may equal the Ball's Ohio, but for general purposes and as a whole, we candidly believe no machine in the Province (and we have all kinds here,) can approach it. We are especially pleased with the superior castings and material used in its construction, with the great truenes in its gearings and bearings, and with the plain and substantial, yet withal highly finished, general character of the machine, points borne out by the excellent condition of the machines sold the previous four years, not one of which, so far as we are aware, having ever required a renewal of gearing on account of wear, and we have no doubt but it is for these excellencies the sale is so great in spite of strong competition with similar machines sold at reduced prices.

We heartily recommend your machine-

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NAME. TOWNSHIP. H. D. Smith, Oxford. William Clements, Dover. E. H. Ridley, Oxford. John B. Bobin, Howard. Hugh Ruthven, Oxford. Duncan McIntyre, jr., Duart. John G. Gills, Aldborough. William Cavers, Oxford. Alex. Haggard, Old Street. John Campbell, Oxford. Colin Ruthven, Oxford.

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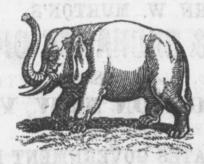
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In Bottles, 6d, 1s, 6d, and 5 s, each.

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life insurance is ecially devolves up aily living and com milies on their dail e owes it to those w me certain provisio nd few men of intel nd cities, where ins ken the precaution Recently, a new ] w years ago, the Hartford, Conn., wa gainst accidents ex

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### INSURANCE.

No development of modern ideas is more remarkable an that which relates to life insurance. It is only a few ars comparatively, since the generality of people came look upon the system with even moderate favor; and as e popular prejudices against it began to disappear, it me to be regarded as the special prerogative of the rich, e poor man no more contemplating insuring his life than mmitting suicide. Now this is all changed; and the duty life insurance is recognized by society as one which ecially devolves upon those who are depending for their ally living and comforts, and for the support of their milies on their daily labour. Such a one now feels that e owes it to those who are dependant upon him, to make me certain provision for them, in the event of his death, nd few men of intelligence can now be found in our towns nd cities, where insurance agencies abound, who has not ken the precaution to insure his life.

Recently, a new phase of insurance has sprung up. A w years ago, the Travellers' Insurance Company, of lartford, Conn., was started with the object of insuring gainst accidents exclusively, and so favourable was the eception met with by this Company, that several others ave since been brought into existence. These companies ndertake, in consideration of the payment of a small sum, o give to the person insured a weekly allowance in case of injury by accident, and a fixed sum in case of death from similar cause. Thus the payment of the sum of \$5 will nd all the asure to the person paying it an allowance of \$5 a week class New juring the time that he is laid up from accident, and to y style, is 1000 in the event of the accident proving fatal. nd every companies also sell tickets good for short periods, or for special journeys, for a mere nominal sum, guaranteeing the payment of large sums in case of injury or death from accident. The readers of this Almanac would do well to to fill, and consider this matter of insurance, that its benefits might become as extensively felt in the country as they now are in the cities and towns. The amount of payment required is small; and the certainty of a provision being then made for one's family is a consideration that cann ot be overlooked by any well-thinking, right-minded man.

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HAMILTON, Dec. 1860

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