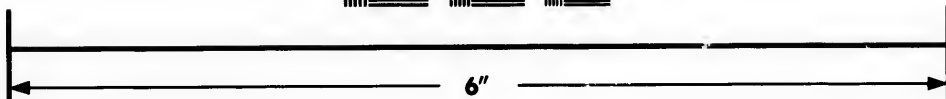
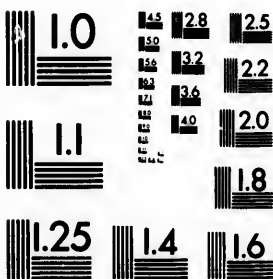


**IMAGE EVALUATION
TEST TARGET (MT-3)**



**Photographic
Sciences
Corporation**

23 WEST MAIN STREET
WEBSTER, N.Y. 14580
(716) 872-4503

28
32
36
40
45
50
56
63
70
80
90
100

**CIHM/ICMH
Microfiche
Series.**

**CIHM/ICMH
Collection de
microfiches.**



Canadian Institute for Historical Microreproductions / Institut canadien de microreproductions historiques

10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100

© 1985

Technical and Bibliographic Notes/Notes techniques et bibliographiques

The Institute has attempted to obtain the best original copy available for filming. Features of this copy which may be bibliographically unique, which may alter any of the images in the reproduction, or which may significantly change the usual method of filming, are checked below.

L'Institut a microfilmé le meilleur exemplaire qu'il lui a été possible de se procurer. Les détails de cet exemplaire qui sont peut-être uniques du point de vue bibliographique, qui peuvent modifier une image reproduite, ou qui peuvent exiger une modification dans la méthode normale de filmage sont indiqués ci-dessous.

- Coloured covers/
Couverture de couleur
- Covers damaged/
Couverture endommagée
- Covers restored and/or laminated/
Couverture restaurée et/ou pelliculée
- Cover title missing/
Le titre de couverture manque
- Coloured maps/
Cartes géographiques en couleur
- Coloured ink (i.e. other than blue or black)/
Encre de couleur (i.e. autre que bleue ou noire)
- Coloured plates and/or illustrations/
Planches et/ou illustrations en couleur
- Bound with other material/
Relié avec d'autres documents
- Tight binding may cause shadows or distortion along interior margin/
La reliure serrée peut causer de l'ombre ou de la distortion le long de la marge intérieure
- Blank leaves added during restoration may appear within the text. Whenever possible, these have been omitted from filming/
Il se peut que certaines pages blanches ajoutées lors d'une restauration apparaissent dans le texte, mais, lorsque cela était possible, ces pages n'ont pas été filmées.
- Additional comments:/
Commentaires supplémentaires:

- Coloured pages/
Pages de couleur
- Pages damaged/
Pages endommagées
- Pages restored and/or laminated/
Pages restaurées et/ou pelliculées
- Pages discoloured, stained or foxed/
Pages décolorées, tachetées ou piquées
- Pages detached/
Pages détachées
- Showthrough/
Transparence
- Quality of print varies/
Qualité inégale de l'impression
- Includes supplementary material/
Comprend du matériel supplémentaire
- Only edition available/
Seule édition disponible
- Pages wholly or partially obscured by errata slips, tissues, etc., have been refilmed to ensure the best possible image/
Les pages totalement ou partiellement obscurcies par un feuillet d'errata, une pelure, etc., ont été filmées à nouveau de façon à obtenir la meilleure image possible.

MSS VOTATIONS ON VERSO OF PAGES MAY CAUSE DIFFICULTY IN READING PRINT.

This item is filmed at the reduction ratio checked below/
Ce document est filmé au taux de réduction indiqué ci-dessous.

10X	14X	18X	22X	26X	30X
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12X	16X	20X	24X	28X	32X

The copy filmed here has been reproduced thanks to the generosity of:

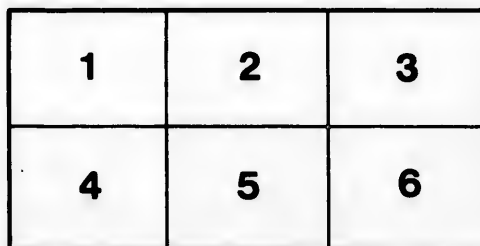
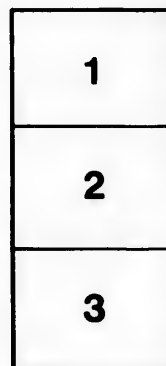
Metropolitan Toronto Library
Canadian History Department

The images appearing here are the best quality possible considering the condition and legibility of the original copy and in keeping with the filming contract specifications.

Original copies in printed paper covers are filmed beginning with the front cover and ending on the last page with a printed or illustrated impression, or the back cover when appropriate. All other original copies are filmed beginning on the first page with a printed or illustrated impression, and ending on the last page with a printed or illustrated impression.

The last recorded frame on each microfiche shall contain the symbol → (meaning "CONTINUED"), or the symbol ▼ (meaning "END"), whichever applies.

Maps, plates, charts, etc., may be filmed at different reduction ratios. Those too large to be entirely included in one exposure are filmed beginning in the upper left hand corner, left to right and top to bottom, as many frames as required. The following diagrams illustrate the method:



L'exemplaire filmé fut reproduit grâce à la générosité de:

Metropolitan Toronto Library
Canadian History Department

Les images suivantes ont été reproduites avec le plus grand soin, compte tenu de la condition et de la netteté de l'exemplaire filmé, et en conformité avec les conditions du contrat de filmage.

Les exemplaires originaux dont la couverture en papier est imprimée sont filmés en commençant par le premier plat et en terminant soit par la dernière page qui comporte une empreinte d'impression ou d'illustration, soit par le second plat, selon le cas. Tous les autres exemplaires originaux sont filmés en commençant par la première page qui comporte une empreinte d'impression ou d'illustration et en terminant par la dernière page qui comporte une telle empreinte.

Un des symboles suivants apparaîtra sur la dernière image de chaque microfiche, selon le cas: le symbole → signifie "A SUIVRE", le symbole ▼ signifie "FIN".

Les cartes, planches, tableaux, etc., peuvent être filmés à des taux de réduction différents. Lorsque le document est trop grand pour être reproduit en un seul cliché, il est filmé à partir de l'angle supérieur gauche, de gauche à droite, et de haut en bas, en prenant le nombre d'images nécessaire. Les diagrammes suivants illustrent la méthode.

ails
du
difier
une
page

rrata
o

belure,
n à

Explanations of the Calendar Pages.

At the head of the respective pages for each month are given the ordinary tables of the changes and quadratures of the Moon. The 1st and 2nd columns show the mean times of the rising and setting of the Moon. The quantities are only set down to the nearest minute, the uncertainty of the exact times of the rising or setting of heavenly bodies on land, caused by the varying amount of horizontal refraction, and the general liability to the intervention of terrestrial objects in such observations, renders a closer approximation unnecessary for ordinary practical purposes. In the 3rd column, marked "south," are given the times which should be shown by a well-regulated clock or watch when the Sun is on the Meridian. The 4th column shows the Moon's place. The 5th column contains the mean times of the rising or setting of the Moon. The quantities are only set down to the nearest minute, for the reasons mentioned above in respect to the Sun.

Explanations of the Astronomical Symbols and Abbreviations.

☉ The Sun,	☽ The Moon,	☿ Mercury,	♃ Venus,	♁ The Earth,	♂ Mars,	♃ Jupiter,	♁ Herschel or Uranus,	♁ The Georgian,	♁ West,	° Degrees,	' Minutes,	" Seconds,	d. Days, h. Hours,	m. Minutes,	s. Seconds,	♈ Aries, The Ram,	♉ Taurus, The Bull,	♊ Gemini, The Twins,	♋ Cancer, The Crab,	♌ Leo, The Lion,	♍ Virgo, The Virgin,	♎ Libra, The Balance,	♏ Scorpio, The Scorpion,	♐ Sagittarius,	♑ Capricorn, The Goat,	♒ Aquarius, The Waterman,	♓ Pisces, The Fish,
------------	-------------	------------	----------	--------------	---------	------------	-----------------------	-----------------	---------	------------	------------	------------	--------------------	-------------	-------------	-------------------	---------------------	----------------------	---------------------	------------------	----------------------	-----------------------	--------------------------	----------------	------------------------	---------------------------	---------------------

Chronological Cycles.

Dominical Cycle.....	56	Julian Period.....	6564
Golden Number.....	60	The year 5612 of the Jewish Era commences on September 27, 1851.	
Epact.....	23	The year 1268 of the Mohammedan Era commences on October 27, 1851.	
Solar Cycle.....	12		
Roman Indiction.....	9		

Movable Festivals.

Septuagesima Sunday.....	February 16	Low Sunday.....	April 27
Quinquagesima Sunday.....	March 2	Rogation Sunday.....	May 25
First Wednesday.....	" 5	Ascension Day, Holy Thurs.....	" 29
First Sunday in Lent.....	" 8	Pentecost, Whit Sunday.....	June 8
Feast Sunday.....	April 13	Trinity Sunday.....	" 15
Good Friday.....	" 18	Corpus Christi.....	" 19
Easter Sunday.....	" 20	Advent Sunday.....	November 30

Holidays observed at Public Offices.

Circumcision.....	January 1	Corpus Christi.....	June 19
Epiphany.....	" 6	St. Peter and St. Paul.....	" 29
Annunciation.....	March 25	All Saints Day.....	November 1
Good Friday.....	April 18	Conception B. V. M.....	December 8
Ascension Day.....	May 29	Christmas Day.....	" 25
Birth Day of the Queen.....	" 24		

Venus will be Morning Star till the 24th day of September; thence Evening Star the remainder of the year.

BR
529.43
B698
Dec. 20, 1968

March.....
June.....

Vernal Equinox
Summer Solstice
Autumnal Equinox
Winter Solstice

In the
I.—A Part
opp
Ecl
II.—An
cor
The
So
III.—A

Durath
diamete
IV.—A
an

Duration

The
Defend
1837, o
ried, 10
Majest
King C
His
of Cob
Her
Novem
His
Her
His
Her
His
Th
Mar
Kin
Du
Du
Pr
Pr
Pr

Ember Days.

March	12	14	15	September.....	17	19	20
June.....	11	13	14	December.....	17	19	20

Commencement of the Seasons.

		D.	H.	M.	
Vernal Equinox.....	(Spring begins).....	March	21	0	7 Morning
Summer Solstice.....	(Summer begins).....	June	21	8	47 Evening
Autumnal Equinox.....	(Autumn begins).....	September	23	10	57 Morning
Winter Solstice.....	(Winter begins).....	December	22	4	35 Morning

Eclipses.

In the year 1851 there will be two Eclipses of the Sun and two of the Moon.
 I.—A Partial Eclipse of the Moon, January 17, invisible at Montreal. The meantime of opposition in Right Ascension will be at 3 minutes past noon. Magnitude of the Eclipse (Moon's diameter, =1) 0.463 on the Northern Limb.

II.—An Annular Eclipse of the Sun, February 1, invisible at Montreal. Meantime of conjunction in Right Ascension will be at 46 minutes past 12 in the morning. This Eclipse will be visible from Australia, the Cape of Good Hope, and the Southern Ocean.

III.—A Partial Eclipse of the Moon, July 13, visible at Montreal, as follows:—

.....	h. m.	
.....	0 56 0	
.....	2 27 0	Mean time in the
.....	3 59 0	Morning.
.....	4 35 3	

Duration of visibility, 3 hours and 2 minutes. Magnitude of the Eclipse (Moon's diameter, = 0.706 on the Southern Limb.

IV.—A Total Eclipse of the Sun, July 29. At Montreal a Partial Eclipse will be visible and begins

	h. m.	
Begins.....	7 39 0	
Greatest shade.....	8 35 2	Mean time in the
Ends.....	9 29 5	Morning.

Duration of visibility 1 hour and 50 minutes. Digits eclipsed 4.80 on the Northern Limb.

Queen and Royal Family.

THE QUEEN—Victoria, of the United Kingdom of Great Britain and Ireland, Queen, Defender of the Faith, was born 24th May, 1819; succeeded to the Throne, 20th June, 1837, on the death of her uncle, King William IV; crowned, 28th June, 1838, and married, 10th February, 1840, to His Royal Highness Prince Albert, named below. Her Majesty is the only daughter of His late Royal Highness Edward, Duke of Kent, son of King George III. Her mother, the Duchess of Kent, is named below.

His Royal Highness Francis Albert Augustus Charles Emanuel, Duke of Saxe, Prince of Cobourg and Gotha, K. G., consort of Her Majesty, born 26th August, 1819.

Her Royal Highness, Victoria Adelaide Mary Louisa, Princess Royal, born 21st November, 1840.

His Royal Highness, Albert Edward, Prince of Wales, born 9th November, 1841.

Her Royal Highness, Alice Maud Mary, born 25th April, 1843.

His Royal Highness, Alfred Ernest Albert, born 6th August, 1844.

Her Royal Highness, Princess Helena Augusta Victoria, born 25th May, 1846.

Her Royal Highness, Princess Louise Carolina Alberta, born 18th March, 1848.

His Royal Highness Arthur William Patrick Albert, born 1st May, 1850.

The Queen Dowager—Amelia Adelaide Louisa Theresa, born 13th August, 1792.

Married 11th July, 1818. Crowned 8th September, 1831.

King of Hanover, born 6th June, 1771.

Duke of Cambridge, born 24th February, 1774.

Duchess of Gloucester, born 26th April, 1776.

Princess Sophia, born 3rd November, 1777.

Duchess of Kent, born 17th August, 1786.

Duchess of Cambridge, born 25th July, 1797.

Prince Royal of Hanover, born 27th May, 1819.

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

Princess Augusta Caroline of Cambridge, born 19th July, 1822.

Princess Mary of Cambridge, born 27th November, 1833.

ary tables of the
w the mean times
wn to the nearest
of heavenly bodies
e general liability
e closer approxi-
column, marked
egulated clock or
own's place. The
oon. The quan-
tioned above in

Observations.

The Clock
e Lion
The Vase
The Balance
The
Goat.
erman

.....6564
ish Era com-
1851.
ammedon Era
1851.

April 27
May 25
" 29
June 8
" 15
" 19
November 30

June 19
" 29
November 1
December 8
" 25

ing Star the

	D.	H.	M.
● New Moon.....	2	5	50 Morning.
▷ First Quarter.....	10	11	27 Morning.
⊕ Full Moon.....	17	11	48 Morning.
◐ Last Quarter.....	24	8	22 Morning.

DAYS.		Calendar, Aspects, &c.	THE SUN.			MOON.	
M.	WEEK.		RISES	SETS	souths	P.	R. AND S.
1	Wed.	CIRCUMCISION. ♂♂♂	7 41	4 27	12 4	↑	6 49
2	Thur.	♂♂♂ Cold and stormy weather	7 41	4 27	12 4	↘	● sets.
3	Frid.	up to.	7 41	4 28	12 5	↘	5 48
4	Sat.		7 41	4 29	12 5	↘	6 53
5	SUN.	2d Sunday after Christmas. ♀ Sta-	7 41	4 30	12 6	↘	7 45
6	Mon.	Epiphany. tionary. the 10th.	7 40	4 31	12 6	↘	8 45
7	Tues.		7 40	4 32	12 6	↘	9 44
8	Wed.	Lucian, P. & M.	7 40	4 33	12 7	↘	10 44
9	Thur.		7 39	4 34	12 7	↘	11 45
10	Frid.	♀ in ♂♂♂ Cold continues	7 39	4 35	12 8	↘	morning.
11	Sat.	with very	7 39	4 36	12 8	↘	9 47
12	SUN.	1st Sunday after Epiphany. ♀♂♂	7 38	4 38	12 8	↘	1 50
13	Mon.	Hilary Bp. ♀ in Perihelion.	7 38	4 40	12 8	↘	2 56
14	Tues.		7 37	4 41	12 9	↘	4 4
15	Wed.	high winds on the	7 37	4 43	12 9	↘	5 12
16	Thur.		7 36	4 44	12 10	↘	6 18
17	Frid.	Eclipsed invisible at Montreal.	7 36	4 45	12 10	↘	○ rises.
18	Sat.	Prisca V. & M. 17th the cold	7 35	4 46	12 11	↘	6 21
19	SUN.	2d Sunday after Epiphany. will	7 35	4 48	12 11	↘	7 36
20	Mon.	Fabian Bishop. be intense.	7 34	4 50	12 12	↘	8 51
21	Tues.	Agnes V. & M. ♀ at greatest bril-	7 33	4 51	12 12	↘	10 4
22	Wed.	Vincent Martyr. [lianey.	7 32	4 52	12 12	↘	11 15
23	Thur.		7 31	4 53	12 12	↘	Morning.
24	Fri.	♀ Greatest Hel. Lat. north. On the	7 30	4 54	12 13	↘	0 25
25	Sat.	Conversion of St. Paul: 24th the	7 29	4 56	12 13	↘	1 32
26	SUN.	3rd Sunday after Epiphany. weather	7 28	4 57	12 13	↘	2 36
27	Mon.		7 27	4 58	12 13	↘	3 39
28	Tues.	♀♂♂ will moderate, and a great	7 26	5 0	12 13	↘	4 38
29	Wed.	snow storm may be looked	7 25	5 2	12 13	↘	5 33
30	Thur.	for before the next change	7 24	5 4	12 14	↘	6 21
31	Frid.	King Chas. Mart. of the moon.	7 23	5 6	12 14	↘	7 4

HOW TO BOIL POTATOES.

Mr. Cuthill, florist of Camberwell, gives the following directions for cooking indifferent potatoes. Score the skin of the potatoe with a knife lengthways and across, quite round, and then boil the potatoe in plenty of water with salt, with the skin on. The skin readily cracks where it is scored, and lets out the moisture, which otherwise renders the potatoe soapy and wet. The improvement to bad potatoes by this method of boiling is very great; and all who have tried it find a great advantage in it, now that good potatoes are very difficult to be obtained.

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

[31 days.]

851.]

Memorandum for January.

5

orning.
orning.
orning.
orning.

MOON.	
P.	R. AND S.
4	6 49
4	sets.
5	5 48
5	6 53
6	7 45
6	8 45
6	9 44
7	10 44
7	11 45
8	orning.
8	0 47
8	1 50
9	2 56
9	4 4
9	5 12
9	6 18
9	riser.
9	6 21
9	7 36
9	8 51
9	10 4
9	11 15
9	Morning.
9	0 25
9	1 32
9	2 36
9	3 39
9	4 38
9	5 33
9	6 21
9	7 4

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

is for cook-
h a knife
in plenty
where it is
ntoe soapy
boiling is
now that

		D.	H.	M.	
●	New Moon.....	1	1	8	Morning.
☽	First Quarter.....	9	4	1	Morning.
☾	Full Moon.....	15	10	33	Evening.
☾	Last Quarter.....	22	4	44	Evening.

M.	WEEK.	Calendar, Aspects, &c.	THE SUN.				MOON.	
			RISES	SETS.	Souths	P.	H. AND S.	
1	Sat.	☉ eclipsed, invisible at Montreal	7 22	5 7	12 14	☾	● sets.	
2	SUN.	4th Sunday after Epiphany. Purif.	7 21	5 8	12 14	☾	6 37	
3	Mon.		7 20	5 9	12 14	☾	7 36	
4	Tues.	♀ Greatest Hel. Lat. North. After	7 19	5 10	12 14	☾	8 36	
5	Wed.	Agatha V. & M. which the weather	7 17	5 12	12 14	☾	9 35	
6	Thur.		7 16	5 13	12 14	☾	10 35	
7	Frid.	♃ ♂ ☾ ♃ Stationary. will be fair	7 15	5 14	12 14	☾	11 37	
8	Sat.		7 14	5 16	12 14	☾	Morning.	
9	SUN.	5th Sunday after Epiphany. and	7 12	5 18	12 15	☾	0 40	
10	Mon.	frosty, and travelling excellent.	7 10	5 20	12 15	☾	1 45	
11	Tues.		7 9	5 21	12 15	☾	2 51	
12	Wed.		7 8	5 22	12 15	☾	3 56	
13	Thur.		7 7	5 23	12 14	☾	4 59	
14	Frid.	Valentine Bp. Full moon on the	7 5	5 25	12 14	☾	5 55	
15	Sat.	♃ Greatest Elongation 26° 21' W.	7 3	5 27	12 14	☾	☉ rises.	
16	SUN.	Septuagesima Sunday. 15th.	7 2	5 28	12 14	☾	6 25	
17	Mon.	♃ in ☽	7 0	5 30	12 14	☾	7 41	
18	Tues.		6 58	5 31	12 14	☾	8 57	
19	Wed.	♃ ♂ ☾ Fair and generally	6 56	5 32	12 14	☾	10 9	
20	Thur.		6 54	5 34	12 14	☾	11 19	
21	Frid.		6 53	5 35	12 14	☾	Morning.	
22	Sat.		6 51	5 36	12 14	☾	0 27	
23	SUN.	Sexagesima Sunday. mild weather	6 49	5 37	12 14	☾	1 31	
24	Mon.	St. Matthias A. during the	6 47	5 39	12 14	☾	2 33	
25	Tues.	♀ Greatest Elongation 46° 42' W.	6 46	5 41	12 14	☾	3 29	
26	Wed.	♀ ♂ ☾ remaining part of	6 45	5 42	12 13	☾	4 19	
27	Thur.	♃ in Aphelion.	6 43	5 43	12 13	☾	5 3	
28	Frid.	♃ ♂ ☾ ♃ ♂ ☾ the month.	6 42	5 44	12 13	☾	5 41	

PRESERVATION OF EGGS.

1st. Eggs may be preserved for any length of time by excluding them from the air. One of the cleanest and easiest methods of doing this is to pack them in clean Dry salt in barrels or tubs, and to place them in a cool and dry situation, Mr. A. G. Cooley says, that he has eaten eggs thus preserved that were a twelve month old, and that had been some months aboard ship in a tropical climate, and yet retained all the peculiar sweetness of new laid eggs.

2nd. Some persons place eggs which they wish to preserve in a netting, or in a sieve or cullender, and immerse them for an instant in a cauldron of boiling water, before packing them away.

3rd. Sometimes eggs are placed in vessels containing milk of lime, or strong brine, or rubbed over with butter, lard, or gum-water, all of which act by excluding the air.

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

	D.	H.	M.	
☉ New Moon.....	2	8	21	Evening.
☽ First Quarter.....	10	4	51	Evening.
☽ Full Moon.....	17	8	24	Morning.
☾ Last Quarter.....	25	8	31	Morning.

DAYS.	Calendar, Aspects, &c.	THE SUN.			MOON.	
		Rises.	SETS.	Souths.	P.	H. AND S.
1 Sat.	David Archb.	6 38	5 47	12 12	☾	6 14
2 SUN.	Quinquagesima Sunday. Chadmus	6 36	5 48	12 12	☾	sets.
3 Mon.	[Bp.	6 34	5 49	12 12	☾	6 30
4 Tues.		6 33	5 50	12 12	☾	7 20
5 Wed.	Ash Wednesday.	6 31	5 52	12 12	☽	8 30
6 Thur.	♄ ☾ ☽ Fair and frosty	6 29	5 53	12 11	☽	9 31
7 Frid.	Perpetua M. M. if the wind is	6 27	5 55	12 11	☽	10 34
8 Sat.		6 25	5 56	12 11	☽	11 37
9 SUN.	1st Sunday in Lent. north or	6 23	5 58	12 11	☽	Morning.
10 Mon.		6 21	5 59	12 10	☽	0 41
11 Tues.		6 19	6 01	12 10	☽	1 44
12 Wed.	Gregory M. B. north-east. Rain	6 17	6 11	12 10	☽	2 35
13 Thur.		6 15	6 21	12 10	☽	3 42
14 Frid.		6 12	6 41	12 9	☽	4 32
15 Sat.		6 10	6 7	12 9	☽	5 17
16 SUN.	2nd Sunday in Lent. — or snow if	6 8	6 8	12 9	☽	5 56
17 Mon.	south or south-west.	6 7	6 9	12 9	☽	☉ rises.
18 Tues.	Edward Kg.	6 6	6 11	12 8	☽	7 43
19 Wed.	♃ ☽ Cold rain if the wind	6 5	6 12	12 8	☽	8 58
20 Thur.	♃ Greatest Hel. Lat. South. is west.	6 4	6 13	12 8	☽	10 11
21 Frid.	Benedict Abbot. ☉ enter ☽.	6 2	6 14	12 7	☽	11 9
22 Sat.		6 0	6 15	12 7	☽	Morning.
23 SUN.	3d Sunday in Lent. [Spring com.	5 58	6 17	12 7	☽	0 24
24 Mon.		5 56	6 19	12 6	☽	1 23
25 Tues.	Annunciation of V. M. Snow if	5 54	6 20	12 6	☽	2 16
26 Wed.		5 52	6 21	12 6	☽	3 2
27 Thur.		5 50	6 22	12 5	☽	3 42
28 Frid.	♀ ☽ east. Snow and driving	5 48	6 23	12 5	☽	4 57
29 Sat.		5 46	6 24	12 5	☽	4 47
30 SUN.	4th Sunday in Lent. ♃ ☽ sleet.	5 45	6 25	12 4	☽	5 14
31 Mon.		5 43	6 26	12 4	☽	5 40

RULE FOR ASCERTAINING THE WEIGHT OF HAY.

Measure the length and breadth of the stack; then take its height from the ground to the eaves, and add to this last one half of the height from the eaves to the top: Multiply the length by the breadth, and the product by the height, all expressed in feet; divide the amount by 27, to find the cubic yards, which multiply by the number of stones supposed to be in a cubic yard (viz: in a stack of new Hay, 6 stones of 22 lbs. avoird, each; if the stack has stood some time, 8 stones; and if old Hay 9 stones), and you have the weight in stones. For example, if a stack be 60 feet in length, 30 in breadth, 12 in height from the ground to the eaves, and 9 (the half of which is 4½) from the eaves to the top; then 60 × 30 × 16½ = 29700, and 29700 ÷ 27 = 1100, and 1100 × 9 = 9900 stones of old Hay.

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

[31 days.]

1851.]

Memorandum for March.

9

ning.
ning.
ning.
ning.

MOON.	
P.	R. AND S.
	6 14
● sets.	
0	30
7	20
8	30
9	31
10	34
11	37
Morning.	
0	41
1	44
2	35
3	42
4	32
5	17
5	56
○ rises.	
7	43
8	58
10	11
11	9
Morning.	
0	24
1	23
2	16
3	2
3	42
4	57
4	47
5	14
5	40

Y.
bt from
ht from
product
and the
e in a
ch; if
, and
length,
half of
, and

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16 *bled acute 15 minuts a q's t 3-18-9*
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25
- 26
- 27
- 28
- 29
- 30
- 31

	D.	H.	M.
☾ New Moon.....	1	1	38 Evening.
☽ First Quarter.....	9	2	8 Morning.
☾ Full Moon.....	15	5	41 Evening.
☾ Last Quarter.....	23	2	4 Morning.

M.	WEEK.	DAYS.	Calendar, Aspects, &c.	THE SUN.				MOON.	
				RISES.	SETS.	souths.	P.	R. AND S.	
1	Tues.	♀ in ♃ ♄ ☾	♀ sup. ☽ ☉ in	5 41	6 28	12 4	♄	● sets.	
2	Wed.	♃ ☽ ☾	Snow or rain	5 39	6 29	12 4	♄	7 25	
3	Thur.	Richard Bp. of C.	♃ ☽ ☾ may	5 37	6 30	12 3	♄	8 23	
4	Frid.	St. Ambrose.	be looked for	5 35	6 31	12 3	♄	9 31	
5	Sat.			5 33	6 33	12 3	♄	10 36	
6	SUN.	5th Sunday in Lent.	frequently	5 32	6 34	12 2	♄	11 39	
7	Mon.			5 30	6 35	12 2	♄	Morning.	
8	Tues.	♃ ☽ ☉	until the 9th,	5 28	6 37	12 2	♄	0 40	
9	Wed.			5 26	6 39	12 1	♄	1 36	
10	Thur.	♀ ☽ ♃	when the weather	5 24	6 40	12 1	♄	2 28	
11	Frid.			5 23	6 41	12 1	♄	3 12.	
12	Sat.	♀ in Perihelion.	will be fair	5 21	6 42	12 1	♄	3 52	
13	SUN.	Palm Sunday.	and mild, and	5 19	6 44	12 0	♄	4 26	
14	Mon.			5 17	6 46	12 0	♄	4 58	
15	Tues.	♃ ☽ ☉ ♃ ☽ ☾	continue	5 16	6 47	12 0	♄	○ rises.	
16	Wed.			5 14	6 48	12 0	♄	7 47	
17	Thur.			5 12	6 49	11 59	♄	8 58	
18	Frid.	Good Friday.	favourable	5 10	6 50	11 59	♄	10 8	
19	Sat.	Alphege Abp.	during the	5 8	6 51	11 59	♄	11 11	
20	SUN.	Easter Sunday.	remainder	5 6	6 52	11 59	♄	Morning.	
21	Mon.	♃ ☽ ☉	of the	5 4	6 53	11 58	♄	0 8	
22	Tues.	♃ in Perihelion.	♀ gr. Hel. Lat.	5 2	6 54	11 58	♄	0 58	
23	Wed.		[north.	5 0	6 56	11 58	♄	1 41	
24	Thur.	St. George M.	month.	4 59	6 57	11 58	♄	2 18	
25	Frid.	St. Mark, Evan.		4 58	6 58	11 58	♄	2 49	
26	Sat.			4 56	6 59	11 58	♄	3 17	
27	SUN.	Low Sunday ♀ ☽ ☾		4 55	7 0	11 57	♄	3 43	
28	Mon.	♀ Greatest Elongation 20° 31" E.		4 54	7 1	11 57	♄	4 2	
29	Tues.	♃ ☽ ☾		4 52	7 3	11 57	♄	4 37	
30	Wed.	♃ ☽ ☾		4 51	7 5	11 57	♄	4 57	

RULE FOR ASCERTAINING THE WEIGHT OF CATTLE.

Measure the Girth close behind the shoulder, and the length from the fore part of the shoulder blade along the back to the bone at the tail, which is in a vertical line with the buttock, both in feet. Multiply the square of the girth, expressed in feet, by five times the length, and divide the product by 21 the quotient is the weight, nearly, of the four quarters, in imperial stones of 14 lbs. avoirdupois. For example, if the girth be 6½ feet, and the length 5½ feet, we shall have 6½ × 6½ = 42½ and 5½ × 5 = 26½; then 42½ × 26½ = 1109 ¼; and this, divided by 21, gives 52½ stones nearly, or 52 stones 11 lbs. It is to be observed, however, that in very fat Cattle the four quarters will be about one-twentieth more, while in those in a very lean state they will be one-twentieth less than the weight obtained by the rule. The four quarters are little more than half the weight of the living animal; the skin weighing about the eighteenth part, and the tallow about the twelfth part of the whole.

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

[30 days.]

1851.]

Memorandum for April.

11

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11 *achete une gaine de 5-8-8 Corrupteur, 25-00 en deux parts*
- 12
- 13
- 14
- 15
- 16
- 17
- 18 *bled en bas - N. Robillard sapin maron*
- 19
- 20
- 21 *bled - (oies courtes)*
- 22
- 23 *smith 2/6 cloture*
- 24
- 25 *prune blanche Madame Gilson*
- 26
- 27 *Joseph Lefebvre fermier 1/3*
- 28 *Monsieur Lefebvre fermier 1/3*
- 29 *ditto fermier 1/3 plante le risier, maron*
- 30

ening.
rning.
ening.
rning.

MOON.

P.	R. AND S.
● sets.	
7	25
8	28
9	31
10	36
11	39
Morning.	
0	40
1	36
2	28
3	12
3	52
4	26
4	58
○ rises.	
7	47
8	58
10	8
11	11
Morning.	
0	8
0	58
1	41
2	18
2	49
3	17
3	43
4	2
4	37
4	57

TLE.
the fore
which is
re of the
duct by
al stones
e length
24 x 26
ones 11
quarters
e they
he four
e skin
part of

	D.	H.	M.
☾ New Moon.....	1	4	7 Morning.
☽ First Quarter.....	8	8	39 Morning.
☾ Full Moon.....	15	3	11 Morning.
☽ Last Quarter.....	22	8	11 Evening.
☾ New Moon.....	30	3	53 Evening.

DAYS.		Calendar, Asp &c, &c.	THE SUN.				MOON.	
M.	WEEK.		Rises.	SETS.	Souths.	P.	R. AND S.	
1	Thur.	St. Philip and St. James.	4 49	7 6	11 57	♄	☾ sets.	
2	Frid.	♄ ♂ ☾ Fair and frosty.	4 48	7 7	11 57	♄	8 28	
3	Sat.	Invention of the Cross.	4 47	7 8	11 57	♄	9 33	
4	SUN.	2nd Sunday after Easter.	4 45	7 9	11 57	♄	10 35	
5	Mon.	♀ in Aphelion.	4 43	7 11	11 57	♄	11 34	
6	Tues.	St. John, Post. Lat. ♀ ♂ ♄ Fre-	4 42	7 12	11 56	♄	Morning.	
7	Wed.	quent rains.	4 40	7 13	11 56	♄	0 27	
8	Thur.		4 37	7 14	11 56	♄	1 13	
9	Frid.		4 36	7 15	11 56	♄	1 53	
10	Sat.	♄ Stationary. The spring will be	4 35	7 17	11 56	♄	2 23	
11	SUN.	3rd Sunday after Easter. backward	4 33	7 18	11 56	♄	3 0	
12	Mon.	♄ ♂ ☾ and vegetation late	4 32	7 19	11 56	♄	3 30	
13	Tues.	in starting.	4 31	7 20	11 56	♄	3 59	
14	Wed.		4 30	7 21	11 56	♄	4 29	
15	Thur.		4 29	7 23	11 56	♄	☉ rises.	
16	Frid.	♀ in ♄ Farmers work	4 28	7 24	11 56	♄	8 55	
17	Sat.		4 27	7 25	11 56	♄	9 56	
18	SUN.	4th Sunday after Easter. will be	4 26	7 36	11 56	♄	10 51	
19	Mon.	Dunstan Abp. much retarded	4 25	7 29	11 56	♄	11 37	
20	Tues.	♀ in inf. ☉ during the whole	4 24	7 30	11 56	♄	Morning.	
21	Wed.	of the month by frequent rains.	4 23	7 31	11 56	♄	0 16	
22	Thur.		4 22	7 32	11 56	♄	0 50	
23	Frid.		4 21	7 33	11 56	♄	1 19	
24	Sat.		4 20	7 34	11 57	♄	1 35	
25	SUN.	Rogation Sunday. Variable	4 19	7 36	11 57	♄	2 11	
26	Mon.	Augustine Abp. ♀ ♂ ☾ weather	4 18	7 38	11 57	♄	2 34	
27	Tues.	Ven Bede Pres. ♄ ♂ ☾ continues.	4 17	7 37	11 57	♄	2 59	
28	Wed.	♀ Greatest Hel. Lat. South.	4 16	7 38	11 57	♄	3 25	
29	Thur.	Ascension Day. Holy Thursday,	4 16	7 39	11 57	♄	3 55	
30	Frid.	King Charles II. restored.	4 16	7 40	11 57	♄	☾ sets.	
31	Sat.		4 15	7 40	11 57	♄	8 30	

POULTRY.

"A Farmer's Wife" has lately ably and usefully addressed a paper to the Newcastle Farmer's Club, on "the importance and profitableness of Poultry." She concludes (Farmer's Mag., vol. XXIX, p. 104,) that "if a systematic plan of rearing and feeding be adopted, and proper houses and yards provided, Poultry may be made a valuable part of the produce of a farm, they always find a ready market, and are produced at little cost. On the farm from whence I write, the Poultry consists of 60 hens, principally of the Dorking breed (but I intend crossing them with the Cochon China), six Ducks, and we generally buy from 70 to 80 Geese in the autumn. The outlay for the year was:—

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

orning.
orning.
orning.
ening.
ening.

MOON.	
P.	H. AND S.
●	sets.
8	8 29
9	9 33
10	10 35
11	11 34
○	Morning.
0	0 27
1	1 13
2	2 53
3	3 28
4	4 0
5	5 30
6	6 59
7	7 29
○	rises.
8	8 55
9	9 56
10	10 51
11	11 37
○	Morning.
0	0 16
1	0 50
2	1 19
3	1 35
4	2 11
5	2 34
6	2 59
7	3 25
8	3 55
●	sets.
8	8 30

1 remplace des arbres lueg
2 pommes 27/10/ - 2-1/10/12- 3/9 - orain

7 poids
8 Jument poulain de Betonie levard

15 Honoré Coullier et S. Denis parties pour arvan ^{Colonne}

17 j'ai pris possession de ma chambre
18 J'ai pris possession de ma chambre 1851

26 Betonie a pris possession avec le cheval de Haro

er to the
of Poul-
if a sys-
nd yards
a farm,
On the
pally of
ma), six
n. The

☽ First Quarter.....	6	1	38	Evening.
☾ Full Moon.....	13	1	50	Evening.
☾ Last Quarter.....	21	1	40	Evening.
☽ New Moon.....	29	1	30	Morning.

DAYS.		Calendar, Aspects, &c.	THE SUN.				MOON.				
M.	WEEK.		RISKS	SETS.	souths	P.	R. AND H.				
1	SUN	Sunday after Ascension. Nico-	4	15	7	41	11	58	☽	9	27
2	Mon.	[mede M.	4	15	7	41	11	58	☽	10	24
3	Tues.	<i>The sidereal aspects</i>	4	14	7	42	11	58	☽	11	12
4	Wed.	<i>tell of very rainy</i>	4	14	7	43	11	58	☽	11	54
5	Thur.	Boniface Bp.	4	13	7	44	11	58	☽	Morning.	
6	Frid.	<i>and variable</i>	4	13	7	45	11	58	☽	0	31
7	Sat.	♁♂♃	4	12	7	46	11	59	☽	1	2
8	SUN.	Pentecost. Whitsunday. ♃♁♄	4	12	7	47	11	59	☽	1	33
9	Mon.	<i>weather</i>	4	12	7	48	11	59	☽	2	1
10	Tues.	♃ Stationary.	4	11	7	48	11	59	☽	2	31
11	Wed.	St. Barnabas. A.	4	11	7	49	11	59	☽	3	2
12	Thur.	<i>throughout</i>	4	11	7	49	12	0	☽	3	36
13	Frid.	<i>the whole of</i>	4	11	7	49	12	0	☽	risen.	
14	Sat.	<i>this month</i>	4	11	7	49	12	0	☽	8	41
15	SUN.	Trinity Sunday, ♃ Gr. Elongation	4	10	7	50	12	0	☽	9	31
16	Mon.	[22° 50' W.	4	10	7	50	12	0	☽	10	13
17	Tues.	St. Alban Mart.	4	10	7	50	12	1	☽	10	49
18	Wed.	<i>to the time</i>	4	10	7	51	12	1	☽	10	20
19	Thur.	Corpus Christi.	4	11	7	51	12	1	☽	11	48
20	Frid.	of.	4	11	7	51	12	1	☽	Morning.	
21	Sat.	Accession of Q. Vict. W. of K. Ed.	4	11	7	52	12	1	☽	0	12
22	SUN.	☉ enters ☽ Summer commences.	4	11	7	52	12	2	☽	0	36
23	Mon.	1st Sunday after Trinity.	4	11	7	52	12	2	☽	1	0
24	Tues.	<i>New moon on the 29th,</i>	4	12	7	52	12	2	☽	1	25
25	Wed.	St John Baptist. Midsummer Day.	4	12	7	53	12	2	☽	1	53
26	Thur.	♁♂♁	4	12	7	53	12	2	☽	2	25
27	Frid.	<i>after which</i>	4	13	7	53	12	3	☽	3	3
28	Sat.	♀♂♁ ♃♁♁ <i>fine weather.</i>	4	13	7	52	12	3	☽	3	49
29	SUN.	2nd Sunday after Trinity. St. Peter.	4	14	7	52	12	3	☽	sets.	
30	Mon.		4	14	7	52	12	3	☽	9	7

	£	s.	d.
Barley, milk, and small corn.....	6	4	1
Woman's wages and market expenses.....	4	12	7
70 Geese, at 2s. 6d.....	8	15	0
	19	11	8
Profit.....	28	5	3
Produce.....	47	16	11
3400 eggs, at 5s. 6d. per long hundred.....	8	2	11
208 chickens, at 1s. 9d.....	18	4	0
Eggs and chickens consumed at home.....	4	15	0

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

[30 days.]

1851.]

Memorandum for June.

15

Evening.
Evening.
Evening.
Morning.

MOON.	
h.	P. R. AND S.
0	27
10	24
11	12
11	54
Morning.	
0	31
1	2
1	33
2	1
2	31
3	2
3	36
O rises.	
8	41
9	31
10	13
10	49
10	20
11	48
Morning.	
0	12
0	36
1	0
1	25
1	53
2	25
3	3
3	49
sets.	
9	7

s.	d.
4	1
2	7
5	0
1	8
5	3
5	11
11	
0	
0	

- 1
- 2 *jeune Pauline du 2 au*
- 3 *d'une pouliche Diamond - Aboue*
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11 *jeune au mois de l'année gris*
- 12
- 13
- 14
- 15
- 16
- 17 *payé à 3/4 à Dame Léon*
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25
- 26
- 27
- 28
- 29
- 30

	D.	H.	M.
☽ First Quarter.....	5	6	14 Evening.
☾ Full Moon.....	13	2	20 Morning.
☾ Last Quarter.....	21	5	45 Morning.
☾ New Moon.....	28	9	46 Morning.

DAYS.		Calendar, Aspects, &c.	THE SUN.				MOON.	
M.	WEEK.		RISPS	SETS.	souths	P.	H. AND S.	
1	Tues.	☉ in Apogee.	4 15	7 52	12 4	☾	9 52	
2	Wed.	Visitation of V. Mary.	4 16	7 52	12 4	☾	10 33	
3	Thur.	<i>Fine warm</i>	4 16	7 52	12 4	☾	10 57	
4	Frid.	Tr. of S. Mart. Bp.	4 16	7 51	12 4	☾	11 38	
5	Sat.	♃ ♂ ☾ <i>days.</i>	4 17	7 51	12 5	☾	Morning.	
6	SUN.	3rd Sunday after Trinity.	4 17	7 51	12 5	☾	0 7	
7	Mon.		4 18	7 51	12 5	☾	0 36	
8	Tues.	<i>Rain if wind be</i>	4 19	7 50	12 5	☾	1 5	
9	Wed.	♀ in Perihelion.	4 20	7 50	12 5	☾	1 38	
10	Thur.	<i>north-west.</i>	4 21	7 49	12 5	☾	2 14	
11	Frid.	<i>Rain if</i>	4 22	7 49	12 5	☾	2 56	
12	Sat.		4 23	7 48	12 5	☾	3 43	
13	SUN.	4th Sunday after Trinity ☾ eclipsed.	4 24	7 47	12 5	☾	☉ rises.	
14	Mon.	visible at Montreal. <i>south or</i>	4 25	7 46	12 5	☾	8 49	
15	Tues.	Swithun, Bp. ♃ in sup. ☉	4 26	7 45	12 5	☾	9 22	
16	Wed.	<i>south-west.</i>	4 27	7 45	12 5	☾	9 50	
17	Thur.	<i>Unexpected showers.</i>	4 28	7 45	12 6	☾	10 16	
18	Frid.	<i>Look out for your hay.</i>	4 29	7 44	12 6	☾	10 40	
19	Sat.	♃ Greatest Hel. Lat. North.	4 30	7 43	12 6	☾	11 8	
20	SUN.	5th Sunday after Trinity. Margaret	4 31	7 43	12 6	☾	11 27	
21	Mon.	♃ ♂ ☾ ♃ ♂ ☾ <i>Showers will be</i>	4 32	7 42	12 6	☾	11 53	
22	Tues.	St. Mary Magd.	4 33	7 41	12 6	☾	Morning.	
23	Wed.	♀ in ☉ <i>frequent,</i>	4 34	7 40	12 6	☾	0 22	
24	Thur.	♂ ♂ ☾ <i>doing much damage</i>	4 35	7 39	12 6	☾	0 57.	
25	Frid.	St. James Ap. <i>to the</i>	4 36	7 38	12 6	☾	1 38	
26	Sat.	St. Anne. <i>harvesting of hay.</i>	4 37	7 37	12 6	☾	2 28	
27	SUN.	6th Sunday after Trinity ♃ ♂ ☾	4 38	7 36	12 6	☾	3 27	
28	Mon.	<i>Changeable.</i>	4 39	7 35	12 6	☾	☉ sets.	
29	Tues.	☉ eclipsed, visible at Montreal.	4 40	7 34	12 6	☾	8 27	
30	Wed.	[♃ ♂]	4 41	7 32	12 6	☾	9 4	
31	Thur.		4 42	7 31	12 6	☾	9 38	

60 Geese at 5s. 6d.....	11	10	0
10 ditto consumed at home.....	2	15	0
20 Ducks at 2s. 6d.....	3	10	0
	47	16	11

in such a calculation as this, the advantages derived from a farm yard in the purchase of food and in the number paying for attendance, are considerable. It is quite certain that there is a great field of usefulness hitherto little explored, to be found in the general introduction into this country of improved breeds of Poultry; of these the Dorking and the Cochin China appear to be the most valuable. This last is described by the lady we have already quoted as "the Prince of domesticated birds." The hens (some of them

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

[31 days.

1851.]

Memorandum for July.

17

Evening.
Morning.
Evening.
Morning.

MOON.	
P.	H. AND S.
4	9 52
4	10 33
4	10 57
4	11 38
Morning.	
5	0 7
5	0 36
5	1 5
5	1 38
5	2 14
5	2 56
5	3 43
O rises.	
5	8 49
5	9 22
5	9 50
5	10 16
5	10 40
5	11 8
5	11 27
5	11 53
Morning.	
5	0 22
5	0 57
5	1 38
5	2 28
5	3 27
sets.	
5	8 27
5	9 4
5	9 38

0 0
5 0
0 0
5 11
rd in the
siderable
to little
y of im-
appear
already
of them

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19 *prayer a.m. ad. Solar 2/6*
- 20
- 21
- 22
- 23
- 24
- 25
- 26
- 27
- 28
- 29
- 30
- 31

	D.	H.	M.	
☽ First Quarter.....	4	0	13	Morning.
☾ Full Moon.....	11	4	49	Evening.
☾ Last Quarter.....	19	8	4	Evening.
● New Moon.....	26	5	26	Evening.

DAYS.		Calendar, Aspects, &c.	THE SUN.				MOON.	
M.	WEEK.		RISES	SETS.	Souths	P.	R. AND S.	
1	Frid.	Lammas Day. <i>The wet weather</i>	4 45	7 28	12 6	☾	10 8	
2	Sat.	☽ ☾ <i>will be</i>	4 46	7 27	12 6	☾	10 38	
3	SUN.	7th Sunday after Trinity.	4 47	7 26	12 6	☾	11 7	
4	Mon.	<i>followed</i>	4 48	7 25	12 6	☾	11 39	
5	Tues.		4 49	7 23	12 6	☾	Morning.	
6	Wed.	Transfiguration. <i>by excessively</i>	4 50	7 22	12 6	☽	0 14	
7	Thur.	Name of Jesus.	4 51	7 21	12 5	☽	0 44	
8	Frid.	<i>hot days,</i>	4 52	7 20	12 5	☽	1 39	
9	Sat.	[rence.]	4 54	7 18	12 5	☽	2 30	
10	SUN.	8th Sunday after Trinity. St. Law.	4 55	7 17	12 5	☽	3 26	
11	Mon.	<i>which will last</i>	4 56	7 16	12 5	☽	☉ rises.	
12	Tues.	♁ in ♄ <i>until</i>	4 57	7 15	12 5	☽	7 53	
13	Wed.	Birth of Dowager Queen Adelaide.	4 58	7 14	12 5	☽	8 19	
14	Thur.	<i>the change of the moon</i>	5 0	7 12	12 4	☽	8 44	
15	Frid.	<i>on the 19th,</i>	5 1	7 10	12 4	☽	9 7	
16	Sat.		5 2	7 8	12 4	☽	9 27	
17	SUN.	9th Sunday after Trinity. ♃ Sta.	5 3	7 6	12 4	☽	9 55	
18	Mon.	[tionary.]	5 4	7 4	12 4	☽	10 22	
19	Tues.	<i>The wheat and potato</i>	5 5	7 2	12 3	☽	10 53	
20	Wed.	<i>crop will be generally</i>	5 6	7 0	12 3	☽	11 30	
21	Thur.	<i>good.</i>	5 7	6 59	12 3	☽	Morning.	
22	Frid.	♃ ☾ ♁ in Aphelion. <i>and</i>	5 8	6 57	12 3	☽	0 14	
23	Sat.	<i>there will be no</i>	5 9	6 53	12 2	☽	1 8	
24	SUN.	10th Sunday after Trinity. Bar.	5 10	6 53	12 2	☽	2 11	
25	Mon.	[tholomew.]	5 12	6 51	12 2	☽	3 22	
26	Tues.	♀ ☾ <i>rust or blight.</i>	5 13	6 50	12 2	☽	☉ sets.	
27	Wed.	<i>Rainy</i>	5 14	6 48	12 1	☽	7 34	
28	Thur.	St. Augustin B. ♁ ☾ ☽ ☾	5 15	6 46	12 1	☽	8 6	
29	Frid.	St. John Baptist beheaded. <i>days.</i>	5 16	6 44	12 1	☽	8 36	
30	Sat.		5 18	6 42	12 0	☽	9 6	
31	SUN.	11th Sunday after Trinity.	5 19	6 40	12 0	☽	9 38	

weighing from 8 lbs. to 10 lbs.) are famous layers, repeatedly laying two and three eggs per day. She is completely opposed to the keeping of the ordinary dung-hill breed, deeming them "just as much out of place in the farm-yard as a cur dog would be in the kennel of a sportsman." The expense of a Poultry-keeper, who only kept four hens and a cock, is given; the cost, in this case, was in one year £1 2s. 7½d., viz :

	£	s.	d.
4 bushels of Barley.....	0	16	6
2 do Sharps.....	0	5	1
½ do Bran.....	0	0	5½
½ do Pollard.....	0	0	7
The produce, 710 eggs at 1d.....	2	19	2
Leaving a clear profit of.....	1	16	6½

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

[31 days.

1851.]

Memorandum for August.

19

- 1
- 2 *page à madame Levar 1/3*
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14 *argent fait à Madame 15/*
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25
- 26
- 27
- 28
- 29 *page à dame Levar 1/3*
- 30
- 31

MOON.

P.	R.	AND	S.
	10		8
	10		38
	11		7
	11		39
Morning.			
	0		14
	0		44
	1		30
	2		30
	3		26
○ rises.			
	7		53
	8		19
	8		44
	9		7
	9		27
	9		55
	10		22
	10		53
	11		30
Morning.			
	0		14
	1		8
	2		11
	3		22
● sets.			
	7		34
	8		6
	8		36
	9		6
	9		38

ing.
ing.
ing.
ing.

aying two
ng of the
ace in the
The ex-
is given;

d.
6
1
5
7

☽ First Quarter.....	2	8	58 Morning.
☾ Full Moon.....	10	8	50 Morning.
☾ Last Quarter.....	18	8	34 Morning.
☾ New Moon.....	25	1	17 Morning.

M.	WEEK.	DAYS.	Calendar, Aspects, &c.	- THE SUN.			- MOON.	
				RISES.	SETS.	Souths P.	R. AND S.	
1	Mon.		Giles Abbot.	5-21	6 38	12-0	☾	10 13
2	Tues.		<i>The weather will be</i>	5-22	6 37	11 59	☽	10 53
3	Wed.		<i>somewhat cold</i>	5-23	6 35	11 59	☽	11 37
4	Thur.		<i>but very uncertain</i>	5-24	6 33	11 59	☽	Morning.
5	Frid.			5-26	6 31	11 58	☽	0 27
6	Sat.		<i>and changeable</i>	5-27	6 29	11 58	☽	1 21
7	SUN.		12th Sun. after Trinity. Enurchus.	5-28	6 27	11 58	☽	2 19
8	Mon.		Nativity of V. Mary. ☽ Stationary.	5-29	6 25	11 57	☽	3 18
9	Tues.			5-30	6 23	11 57	☽	4 19
10	Wed.		<i>up to the time</i>	5-32	6 21	11 57	☽	☉ rises
11	Thur.		☽ Gr. Hel. Lat. South.	5-34	6 20	11 56	☽	7-12
12	Frid.		<i>of new moon</i>	5-35	6 18	11 56	☽	7 35
13	Sat.		<i>on the 25th.</i>	5-38	6 16	11 56	☽	7 59
14	SUN.		18th Sunday after Trinity. Holy	5-39	6 14	11 55	☽	8 24
15	Mon.		[Cross Day.	5-40	6 12	11 55	☽	8 54
16	Tues.		<i>The wheat crop should</i>	5-41	6 10	11 55	☽	9 27
17	Wed.		Lambert Bp. ☽ Gr. Hel. Lat. north.	5-42	6 8	11 54	☽	10 13
18	Thur.		<i>enter the barn</i>	5-43	6 4	11 54	☽	10 54
19	Frid.		♂ ☽ ☽ <i>immediately after</i>	5-44	6 2	11 54	☽	11 51
20	Sat.		<i>reaping if possible.</i>	5-46	6 0	11 53	☽	Morning.
21	SUN.		14th Sunday after Trinity. St.	5-46	5 58	11 53	☽	0 57
22	Mon.		☽ ☽ ☽ [Matthew.	5-47	5 56	11 53	☽	2 10
23	Tues.		☉ enters ♄ Autumn commences.	5-48	5 54	11 52	☽	3 26
24	Wed.		☽ ☽ ☽ ☽ ☽ ☽	5-50	5 52	11 52	☽	4 45
25	Thur.		<i>Fine and clear</i>	5-51	5 51	11 51	☽	☉ sets.
26	Frid.		St. Cyprian Abp. ☽ ☽ ☽ <i>days</i>	5-52	5 49	11 51	☽	7 3
27	Sat.		<i>the remainder</i>	5-53	5 47	11 51	☽	7 39
28	SUN.		15th Sunday after Trinity. <i>of the</i>	5-54	5 45	11 50	☽	8 5
29	Mon.		St. Michl. Michaelmas Day. month.	5-55	5 44	11 50	☽	8 41
30	Tues.		St. Jerom. ☽ in sup ☽ ☽ stationary.	5-56	5 43	11 50	☽	9 39

A celebrated breeder, makes the profit derivable from keeping Poultry on a large scale to be much more considerable than is generally believed. He makes the comparative value of the keep for domestic fowls to be, per cent, as follows :

Geese.....	5	Dung-hill fowls.....	40
Ducks.....	7½	Turkeys and Guinea fowls.....	50
Pigeons.....	10		

METEOROLOGICAL DATA.

The mean height of the barometer, i. e., the mean weight or pressure of the atmosphere at the level of the sea, is nearly the same in every part of the globe.

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

[30 days.]

1851.]

Memorandum for September.

21

ing.
ing.
ing.

MOON.

P.	H. AND S.
	10 13
	10 53
	11 37
Morning.	
0	27
1	21
2	19
3	18
4	19
O rises	
7	12
7	35
7	59
8	24
8	54
9	27
10	13
10	54
11	51
Morning.	
0	57
2	10
3	26
4	45
sets.	
7	3
7	39
8	5
8	41
9	39

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

22 une genix blanche morte d'un an

30 ~~de~~ regle avec la femme
ce jour fini le 7 oct 1852

oultryon
ed. He
per cent,

s.
.... 40
.... 50

sure of
part of

ening.
rning.
ening.
rning.

MOON.	
P.	R. AND S.
10	10 10
11	11 13
Morning.	
0	0 11
1	1 10
2	2 10
3	3 10
4	4 11
5	5 11
O rises.	
6	6 20
6	6 50
7	7 28
8	8 5
8	8 54
9	9 42
10	10 42
11	11 49
Morning.	
1	1 1
2	2 17
3	3 34
4	4 51
sets.	
6	6 8
6	6 31
7	7 21
8	8 9
9	9 2
10	10 0
11	11 1

- 1
- 2
- 3
- 4
- 5
- 6
- 7 *regle avec sa la femme de betanie*
- 8 *sera pour tout compte*
- 9 *jusqu'à ce jour, avec le a dire*
- 10 *pour ma pension*
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25
- 26
- 27
- 28
- 29 *parti à terre levan 10/ regle jusqu'à*
- 30 *le jour*
- 31 *Belleme fait mon tour pour 61-10-0 pour*
jusqu'au 1^{er} mai,

on for equal
ing tempe-
the annual
of the at-
ch exceed
ee inches.
ways pre-
the aërial
y rise and

☉ Full Moon.....	8	6	27	Evening.
☾ Last Quarter.....	16	4	27	Morning.
☽ New Moon.....	22	9	12	Evening.
☽ First Quarter.....	30	10	32	Morning.

DAYS.	WEEK.	Calendar, Aspects, &c.	THE SUN.			MOON.	
			RISES.	SETS.	SOUTHS.	P.	R. AND S.
1	Sat.	ALL SAINTS' DAY. ♀ & ♃	6 39	4 48	11 44	☾	Morning.
2	SUN.	20th Sunday after Trinity. Clear	6 40	4 46	11 44	☾	0 3
3	Mon.	<i>and frosty if the</i>	6 42	4 44	11 44	☾	0 59
4	Tues.	<i>wind be north or</i>	6 43	4 43	11 44	☾	1 59
5	Wed.	Papists conspiracy. north-east.	6 45	4 42	11 44	☾	3 3
6	Thur.	Leonard Confessor. rain if south	6 47	4 41	11 44	☾	3 59
7	Frid.	♂ & ♃ ♃ & ♃ ♃ in sup. ☉	6 48	4 39	11 44	☾	5 5
8	Sat.	♀ in ♃ west.	6 49	4 38	11 44	☾	○ rises.
9	SUN.	21st Sunday after Trinity.	6 50	4 37	11 44	☾	5 31
10	Mon.	<i>Cold but clear.</i>	6 52	4 36	11 44	☾	6 5
11	Tues.	St. Martin Bp.	6 53	4 35	11 44	☾	6 47
12	Wed.	♀ in ♃	6 54	4 34	11 45	☾	7 37
13	Thur.	Britius Bp.	6 55	4 33	11 45	☾	8 34
14	Frid.		6 57	4 32	11 45	☾	9 38
15	Sat.	Machutus Bp. ♂ & ♃	6 59	4 30	11 45	☾	10 47
16	SUN.	22nd Sunday after Trinity. The	7 0	4 29	11 45	☾	11 59
17	Mon.	Hugh Bp. first snow storm	7 1	4 28	11 45	☾	Morning.
18	Tues.	<i>will be on or about</i>	7 2	4 27	11 45	☾	1 13
19	Wed.	<i>the 16th. but only</i>	7 4	4 26	11 45	☾	2 28
20	Thur.	Edmund Kg. a light fall.	7 6	4 25	11 45	☾	3 43
21	Frid.	♂ & ♃	7 9	4 24	11 46	☾	4 59
22	Sat.	Cecilia V. & M.	7 10	4 23	11 46	☾	sets.
23	SUN.	23rd Sunday after Trinity. Clement	7 11	4 22	11 47	☾	5 10
24	Mon.	♀ & ♃ Cold and	7 12	4 21	11 47	☾	5 56
25	Tues.	Catharine V. variable	7 13	4 21	11 47	☾	6 47
26	Wed.	<i>weather.</i>	7 14	4 20	11 48	☾	7 44
27	Thur.		7 15	4 20	11 48	☾	8 45
28	Frid.		7 16	4 20	11 48	☾	9 47
29	Sat.	<i>Cold with high wind.</i>	7 17	4 19	11 49	☾	10 49
30	SUN.	1st Sunday in Advent. St. Andrew.	7 18	4 19	11 49	☾	11 51

Northerly winds almost invariably raise the barometer, while southerly winds as constantly depress it.

The mean height of the barometer varies but little with the changes of the season.

Great falls of the barometer are generally accompanied by a temperature above the mean for the season, and great rises by one below the same.

The mean temperature of the earth's surface increases gradually from the poles to the equator.

The mean temperature of the atmosphere decreases from below, upwards in a regular gradation.

The heating and cooling of the atmosphere by the changes of day and night, take place equally throughout its mass.

The western coasts of the extra-tropical climates have a much higher mean temperature than the eastern coasts.

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

[30 days.

850.]

Memorandum for November.

25

Evening.
Morning.
Evening.
Morning.

MOON.	
h	m
Morning.	
0	3
0	59
1	59
3	3
3	59
5	5
O rises.	
5	31
6	5
6	47
7	37
8	34
9	38
10	47
11	59
Morning.	
1	13
2	28
3	43
4	59
sets.	
5	10
5	56
6	47
7	44
8	45
9	47
10	49
11	51

southerly
changes of
temperature
same.
ally from
upwards
day and
higher

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

☉ Full Moon.....	8 10	33 Morning.
☾ Last Quarter.....	15 0	31 Evening.
☽ New Moon.....	22 10	40 Morning.
☽ First Quarter.....	30 8	20, Morning.

DAYS.		Calendar, Aspects, &c.	THE SUN.				MOON.	
M.	WEEK.		RISES	SETS.	souths	P.	R. AND S.	
1	Mon.		7 20	4 18	11 49	☾	Morning.	
2	Tues.	<i>Cold days continue</i>	7 21	4 18	11 50	☽	0 51	
3	Wed.	<i>to the next</i>	7 22	4 18	11 50	☽	1 51	
4	Thur.	♃♄♅ ♃♄♅ <i>full Moon</i>	7 23	4 18	11 51	☽	2 51	
5	Frid.	<i>on the 8th.</i>	7 24	4 18	11 51	☽	3 53	
6	Sat.	Nicolas Bp.	7 26	4 17	11 52	☽	4 56	
7	SUN.	2nd Sunday in Advent.	7 27	4 17	11 52	☽	6 0	
8	Mon.	Conception of Vir. Mary. ♃ Gr.	7 28	4 17	11 52	☽	☉ rises	
9	Tues.	Hil. Lat. South.	7 29	4 17	11 53	☽	5 31	
10	Wed.	<i>Cold with high winds.</i>	7 30	4 17	11 54	☽	6 27	
11	Thur.	<i>But a small</i>	7 31	4 17	11 54	☽	7 30	
12	Frid.	♃♄♅ ♃♄♀ <i>depth of snow</i>	7 32	4 17	11 55	☽	8 38	
13	Sat.	Lucy, V. and M. <i>until the 15th.</i>	7 33	4 17	11 55	☽	9 49	
14	SUN.	3rd Sunday in Advent.	7 34	4 17	11 56	☽	11 1	
15	Mon.	<i>After which there</i>	7 34	4 17	11 56	☽	Morning.	
16	Tues.	♀ Sapientia ♀ in Aphelion.	7 35	4 17	11 57	☽	0 14	
17	Wed.	<i>will be a tremendous</i>	7 35	4 18	11 57	☽	1 27	
18	Thur.	<i>snow storm and</i>	7 36	4 18	11 58	☽	2 40	
19	Frid.	♃♄♅ <i>cold weather will</i>	7 36	4 18	11 58	☽	3 54	
20	Sat.	♃♄♀ ♃ Gr. Elongation 20' 1' E.	7 37	4 18	11 59	♂	5 8	
21	SUN.	4th Sunday in Advent. St. Thos. A.	7 37	4 19	11 59	♂	6 19	
22	Mon.	☉ Enters ♃ Winter commences.	7 38	4 19	12 0	☽	☉ sets.	
23	Tues.	<i>last the remainder</i>	7 38	4 19	12 0	☽	5 28	
24	Wed.	♃♄♅ ♃♄♅ <i>of the month.</i>	7 39	4 20	12 1	☽	6 28	
25	Thur.	CHRISTMAS DAY.	7 39	4 20	12 1	☽	7 30	
26	Frid.	St. Stephen, M.	7 40	4 20	12 2	☽	8 33	
27	Sat.	St. John Evan. ♃ Stationary.	7 40	4 21	12 2	☽	9 36	
28	SUN.	Sunday after Christmas. Innocents.	7 40	4 22	12 3	☽	10 37	
29	Mon.		7 41	4 23	12 4	☽	11 38	
30	Tues.		7 41	4 24	12 4	☽	Morning.	
31	Wed.	Silvester, Bp. R. Stationary.	7 41	4 25	12 4	☽	0 37	

A wind generally sets from the sea to the land during the day, and from the land to the sea during the night, especially in hot climates.

In the temperate climates, the rains and the winds are variable. As we advance towards the polar regions, we find the irregularities of the wind increased, and storms and calms repeatedly alternate, without warning or progression.

More than two currents may often be traced in the atmosphere at one time by the motion of the clouds, &c.

The force of the wind does not always decrease as the elevation increases, but, on the contrary, is often found to augment rapidly.

In Great Britain, upon an average of ten years, westerly winds exceed the easterly in the proportion of eleven to seven, and the northerly winds exceed the southerly as nineteen to seventeen.

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

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25 <i>30 minutes de puits 18/minutes d'acoume</i>
26
27
28
29
30
31

orning.
yening.
orning.
orning.

MOON.	
the p.	R. AND S.
49	☾ Morning.
50	☾ 0 51
50	☾ 1 51
51	☾ 2 51
51	☾ 3 53
52	☾ 4 56
52	☾ 6 0
52	☾ rises
53	☾ .5 31
54	☾ 6 27
54	☾ 7 30
55	☾ 8 38
55	☾ 9 49
56	☾ 11 1
56	☾ Morning.
57	☾ 0 14
57	☾ 1 27
58	☾ 2 40
58	☾ 3 54
59	☾ 5 8
59	☾ 6 19
0	☾ sets.
0	☾ 5 28
1	☾ 6 28
1	☾ 7 30
2	☾ 8 33
2	☾ 9 36
3	☾ 10 37
4	☾ 11 38
4	☾ Morning.
4	☾ 0 37

lay, and from
able. As we
of the wind in-
orning or pro-
sphere at one
elevation in-
y.
winds exceed
therly winds

AZIMUTHS OF α , URSAE MINORIS.

A TABLE shewing the greatest Eastern or Western Azimuths of α , Ursae Minoris Polaris, for the 15th day of each month in the year 1861, to the nearest Second of a Degree; and calculated for each Minute of Latitude, from the 48th to the 47th North, inclusively together with the reduced Polar distances of the Star for each of the above days, and the interval, in time, from its Meridian passage to the moment of the greatest Azimuth.

MONTHS.	Azimuths.											
	Polar Distances	Lat. 43.	Lat. 43, 30	Lat. 44.	Lat. 44, 30	Lat. 45.	Lat. 45, 30	Lat. 46.	Lat. 46, 30	Lat. 47.		
January.....	1 28 52	2 1 31	2 2 32	2 3 33	2 4 37	2 5 42	2 6 48	2 7 57	2 9 7	2 10 20		
February.....	1 28 55	2 1 35	2 2 36	2 3 37	2 4 41	2 5 46	2 6 52	2 8 1	2 9 11	2 10 24		
March.....	1 29 2	2 1 45	2 2 46	2 3 47	2 4 51	2 5 56	2 7 3	2 8 12	2 9 22	2 10 34		
April.....	1 29 11	2 1 57	2 2 57	2 3 59	2 5 3	2 6 8	2 7 15	2 8 24	2 9 34	2 10 47		
May.....	1 29 19	2 2 9	2 3 9	2 4 11	2 5 15	2 6 20	2 7 27	2 8 36	2 9 47	2 10 59		
June.....	1 29 23	2 2 14	2 3 14	2 4 16	2 5 18	2 6 23	2 7 30	2 8 41	2 9 52	2 11 4		
July.....	1 29 22	2 2 12	2 3 12	2 4 14	2 5 18	2 6 23	2 7 30	2 8 39	2 9 50	2 11 2		
August.....	1 29 16	2 2 4	2 3 4	2 4 6	2 5 9	2 6 15	2 7 22	2 8 30	2 9 41	2 10 53		
September.....	1 29 6	2 1 50	2 2 51	2 3 52	2 4 56	2 6 1	2 7 8	2 8 17	2 9 27	2 10 39		
October.....	1 28 55	2 1 35	2 2 36	2 3 37	2 4 41	2 5 46	2 6 52	2 8 1	2 9 11	2 10 24		
November.....	1 28 44	2 1 20	2 2 21	2 3 21	2 4 26	2 5 31	2 6 37	2 7 46	2 8 56	2 10 9		
December.....	1 28 36	2 1 9	2 2 10	2 3 10	2 4 15	2 5 20	2 6 25	2 7 34	2 8 44	2 9 57		
Intervals from Meridian passage....	H. M. S.	H. M. S.	H. M. S.	H. M. S.	H. M. S.	H. M. S.	H. M. S.	H. M. S.	H. M. S.	H. M. S.	H. M. S.	H. M. S.
	5 53 25	5 53 19	5 53 13	5 53 7	5 53 0	5 52 54	5 52 47	5 52 41	5 52 34	5 52 28	5 52 21	5 52 14
Mean difference in Azimuth for 1 of Latitude	2 02	2 06	2 13	2 16	2 22	2 30	2 34	2 45				

EXPLANATION.—Opposite the given time and under the Latitude will be found the required greatest Azimuthal distance of *Polaris*. If there be any odd Minutes of Latitude, not at the head of the Table, take the next lesser Latitude, and add to the Azimuth corresponding thereto, the product of the given excess of Minutes multiplied into the difference for 1, standing below, rejecting the fractions in such product; the sum will be the Azimuth required. The corresponding time from Meridian passage added to, or subtracted from the hour of transit, will show the true mean time of such greatest Azimuth, West or East of the Meridian.

The fo
readers.
attraction
ing the ea
tions. I
New and
between
12 and
2 and
4 and
6 and
8 and
10 and
12 and
2 and
4 and
6 and
8 and
10 and
The
timber
venier
of the
meas
give
circu
string
age o
of a
whic
T
Far

WEATHER TABLE.

The following table has been inquired for by several of our readers. It is said to be constructed from considerations of the attraction of the Sun and Moon, in their several positions respecting the earth, and by experience of many years' actual observations. If it shall be—

New and full moon between	Summer.	Winter.
12 and 2	Very rainy	Snow and rain.....
2 and 4 afternoon	Changeable	Fair and mild.....
4 and 6 evening.	Fair	Fair
6 and 8. }	Fair, if wind at N.	{ Fair and frosty, if
	W.....	{ wind at N. or N. E.
	Rainy, if wind at S.	{ Rain or snow, if
	or S. W	{ wind S. or S. W.
8 and 10	Ditto	Ditto.....
10 and 12 night ...	Fair	Fair and frosty.....
12 and 2 morning.	Ditto	{ Hard frost, unless
2 and 4	Cold, with frequent showers	{ wind S. or S. W.
		Snow and stormy....
4 and 6	Rain	Ditto..
6 and 8	Wind and rain	Stormy weather... ..
8 and 10	Changeable	{ Cold rain, if wind
		{ be W., snow if E.
10 and 12 noon ...	Frequent showers ..	Cold with high wind.

TIMBER MEASURE.

The following is an easy mode of estimating the quantity of timber in any tree, no matter in what form it grows; get to a convenient distance and keep changing your position until the height of the tree seems to be equal to the distance you are from it, then measure the distance.—Suppose it to be 20 paces, which will give 60 feet for the height of the tree; then with a string take the circumference of the tree at five feet from the ground, double the string and reject one half; the other half gives the mean or average circumference, that doubled four fold is called the girt or side of a square equal to it, suppose 11 inches, and the height 60 feet, which will give a load of 50 feet.

A VALUABLE TABLE.

The following valuable table was first published in Mr. Ruffin's Farmer's Register.

If there be any odd Minutes of Latitude, not at the head of the Table, take the next lesser Latitude, and add to the Azimuth corresponding thereto, the product of the given excess of Minutes multiplied into the difference for 1, standing below, rejecting the fractions in such product; the sum will be the Azimuth required. The corresponding time from Meridian passage added to, or subtracted from the hour of transit, will show the true mean time of such greatest Azimuth, West or East of the Meridian.

A box 24 by 16 inches square, and 22 deep contains a barrel, or 10,752 cubic inches.

" 24	" 16	" 11	" half barrel, or 5,376	"
" 16	" 16 8-10	" 8	" bushel, or 2,150 4-10	"
" 12	" 11 2-10	" 8	" half bushel, or 1,075	"
" 8	" 8 4-10	" 8	" peck, or 537 6-10	"
" 8	" 8	" 4 2-10	half peck, or 268 8-10	"
" 7	" 4	" 4 8-10	half gallon, or 141 4-10	"
" 4	" 4	" 4 2-10	quart, or 67 2-10	"

These measures come within a small fraction of a cubic inch of being perfectly accurate; as near, indeed, as any measures of capacity have ever yet been made for common use. The difficulty of making them with absolute exactness has never yet been overcome.

GOVERNOR GENERAL AND SUITE:

His Excellency, the Right Honorable JAMES BRUCE, Earl of Elgin and Kincardine, Knight of the Thistle, one of Her Majesty's Most Honorable Privy Council, Captain General and Governor-in-Chief, in and over the Provinces of Canada, Nova-Scotia, New Brunswick, Newfoundland, and the Island of Prince Edward, and Vice-Admiral of the same, &c. &c. &c.

Hon. Col. Bruce, Secretary, and Principal A. D. C.
Lieut. Col. Edmond Antrobus, Provincial A. D. C.
Lieut. Col. De Salaberry, Extra A. D. C.

PUBLIC OFFICES.

Office of Adjutant General of the Forces, 68 St. Lewis street.
Office of Barrack Master, (W. H. Gray,) Water street, near the Barracks.
Office of Bankrupt Court, Court House.
Office of Chief Engineer Fire Department, City Hall.
Office of Chief of Police, (H. Jeremie,) Bonsecours Market.
Office of City Surveyor, (Jas. A. B. M'Gill,) City Hall, Notre Dame street.
Office of City Treasurer, (E. Demers,) City Hall, Notre Dame street.
Office of City Clerk, (J. P. Sexton,) City Hall, Notre Dame street.
Office of Clerk of the Peace, (Delisle and Brehaut,) Court House, Notre Dame street.

- Office of the Collector of Customs, (T. Bouthillier,) at the Custom House, St. Paul street.
- Office of Commissary General, 53 Notre Dame street.
- Office of Commissioner of Police, (W. Ermatinger,) Court House.
- Office of Collector of Canal Tolls, (A. Gough,) corner Queen and Common streets.
- Office of the Commissioners for improving the Harbour of Montreal, Commissioners street, near Custom House square.
- Offices of Coroner of the District, (Jones & Coursol,) St. Vincent and Champ de Mars streets.
- Office of Lachine Rail-road Company, Bonaventure street.
- Office of District Inspector, (D. S. Stuart,) 74 Notre Dame st.
- Office of the Geological Survey of Canada, (W. E. Logan, geologist,) 10 Little St. James street.
- Office of Inspector General of Hospitals, 7 Dalhousie square,
- Office of Royal Engineer Department, Dalhousie square and St. Lewis street.
- Office for Emigrants, south side of Canal Basin.
- Office of Harbour Master, Commissioners street, near Custom House square.
- Office of Inspection of Pot and Pearl Ashes, (E. M. Leprohon, John Dyde and Edward Major,) College, near M'Gill street.
- Office for Marriage Licenses, (Arthur Ross, agent,) 3 Molson Terrace.
- Office of the Mayor of the city, (E. R. Fabre,) City Hall, Notre Dame street.
- Office of Prothonotary, (Monk, Coffin & Papineau,) Court House, Notre Dame street.
- Office of the County Registrar, (G. H. Ryland,) old Government House.
- Office of St. Lawrence and Atlantic Rail-road Company, 18 Little St. James street.
- Office of Superintendent of Education, (J. B. Meilleur, M. D.) Government House.
- Office of the Sheriff, (Boston & Coffin.) Court House, Notre Dame street.
- Office of the Town Major, (C. M'Donald,) 63 St. Lewis street.
- Office of the Turnpike Trustees, (James Holmes, secretary,) Commissioners street, near Custom House square.
- Office of the Inspector of Weights and Measures, (D. S. Stuart,) 74 Notre Dame street.
- Office of the Wharfinger, (William Browne,) 60 Commissioners street.
- Office of the Trinity House, (James Holmes, registrar,) Commissioners street, near Custom House square.

Post Office, (James Porteous, P. M.,) 15 Great St. James street.
 Office of Indian Department, Government House.
 Office of the Quarter Master General, Durham Place, St. Lewis street.
 Office of Ordnance Department, (J. S. Elliot, storekeeper,) Water, Near St. Claude street.
 Office of the Military Secretary, Dalhousie square.

ASSURANCE COMPANIES, LIFE, FIRE AND MARINE.

Ætna, (Fire) of Hartford, Robert Wood, agent, Auldjo's buildings, St. Paul street.
Alliance, (Life and Fire,) of London, Richard Gerrard, general agent, corner St. Thérèse and St. Gabriel streets.
Britannia, (Life,) of London, J. H. Maitland, agent, 46 Great St. James street.
British America, (Fire, Life and Inland Marine,) William Steward, manager, 10 St. François Xavier street.
Canada Life Assurance, Thos., Ramsay, agent, 27 St. François Xavier street.
Colonial Life Assurance, A. D. Parker, manager, 49 Great St. James street.
Connecticut Mutual Life Assurance Co., Robert Wood, agent, Auldjo's buildings, St. Paul street.
Globe, (Fire and Life,) of London, Ryan, Chapman & Co., agents.
Hartford, (Fire,) of Hartford, Robert Wood, agent, Auldjo's buildings, St. Paul street.
Inland Marine Assurance Co., C. T. Palsgrave, agent, corner St. Helen and Lenoire streets.
Lloyd's Agents, Ryan, Chapman & Co.
Montreal, (Fire, Life and Inland Navigation,) William Murray, manager, Great St. James street.
Mutual, (Fire,) of the County of Montreal, corner St. Sacrament and St. François Xavier streets.
National Loan Fund, (Life and Annuity of London,) F. R. Starr, general agent, Great St. James street.
National Life Assurance Co., Montpelier, Vermont, Wm. Lyman, general agent for Canada.
North Western, (Fire and Marine, of Oswego,) George Bent, agent, 183 St. Paul street.
Phoenix, (Fire,) of London, Gillespie, Moffat & Co., agents, 134 St. Paul street.
Protection, (Fire,) of Hartford, Robert Wood, agent, Auldjo's buildings, St. Paul street.

Quebec
 Union
 Shaw's

INSPI

E.
 Assist
 inspect
 by the
 for sto
 each

W
 per b

D.
 Griffi
 Fe
 and
 C
 half

F
 enc
 4th.

w

Quebec, (Fire,) J. H. Maitland, agent, 46 Great St. James st.
 Union Mutual Life Assurance Company, A. F. Sabine, agent,
 Shaw's Buildings Point-a-Callieres.

INSPECTORS OF PRODUCE FOR THE DISTRICT OF MONTREAL.

ASHES.

E. M. Leprohon, Inspector, John Dyde and James E Major, Assistant Inspectors.—College Street.—Fees, 5d. per cwt, for inspection and branding.—Cooperage, the actual costs disbursed by the Inspector, but not to exceed 9d. per barrel.—5d. per barrel for storage, if stored more than ten days, and 3d. per barrel for each subsequent month.

FLOUR.

William Watson, Inspector, 28 St. Joseph Street.—Fees 1d. per barrel for inspection and Branding.

BEEF AND PORK.

D. W. Eager, Commissioned Inspector; Stores, King Street, Griffintown.

Fees 1s. per barrel, and 7½d. per half barrel, 1s. 6d. per tierce, and 11d. per half tierce.

Cooperage not to exceed 6d. per barrel, half barrel, tierce, and half tierce.

BUTTER.

Francis MacDonnell, Inspector; Grey Nun Street.—The difference in fees for inspection about 1d. per lb.—1st. 2nd. 3rd. and 4th. qualities.

AGRICULTURAL SOCIETY OF LOWER CANADA.

PRESIDENT.

A. Pinsonneault, Esq.

VICE-PRESIDENTS.

Hon. G. R. S. DeBeaujeu,

“ Adam Ferrie,

P. Leclerc, Esq.,

R. N. Watts, Esq.,

Rev. G. Desaulniers.

“ F. Pilote.

SECRETARY.

William Evans.

Office 25 Notre Dame St., over Mr. Shepherd's seed store, where the Secretary attends daily, from 10 till 2 o'clock.

MONTREAL HORTICULTURAL SOCIETY.

Hon. Judge McCord, President,
John Frothingham, Treasurer,
George Platt, Secretary.

BANKS IN THE CITY OF MONTREAL.

Bank of Montreal, Place d'Armes.
City Bank, Place d'Armes.
La Banque du Peuple, Great St. James Street.
Bank of British North America, Great St. James Street.
Bank of Upper Canada, do. do.
Agency Commercial Bank, M. D., do. do.
Provident and Saving's Bank, do. do.
Montreal Savings' Bank, Office, Montreal Bank.
Montreal City and District Savings' Bank, St. François Xavier St.

COURT OF QUEEN'S BENCH.

Court of Appeals.
Two Terms at Montreal, 1st to 12th March, and 1st to 12th October.
Two Terms at Quebec, 7th to 18th January, and 1st to 12th July.

CRIMINAL COURT.

At Quebec to Commence 20th January and 14th July.
At Montreal to Commence 14th March and 14th October.
At Three Rivers, to Commence 2nd February and 11th Sep.
At Sherbrooke, to Commence 12th February and 1st September.

CIVIL—SUPERIOR COURT.

Terms—Montreal, for the District of Montreal, from 1st to 20th April, 1st to 20th September and 1st to 20th December.
Quebec, for the District of Quebec, same terms as for Montreal.
Three Rivers, for the District of Three Rivers, from the 12th to 25th February, 1st to 14th June, and 1st to 14th November.
Town of Sherbrooke, for District of St. Francis, from 20th to 31st January, and 16th to 27th July.

Peroé and New Carlisle, for District of Gaspé, at Peroé from 21st to 30th August and New Carlisle, 4th to 13th September.

With power to the said Court to prolong the time, if necessary, of each sitting.

SITTINGS IN VACATION.

In Quebec and Montreal, 1st two Juridical Days in each week in every month, except August.

CIRCUIT COURTS.

DISTRICT OF QUEBEC.

TERMS.—Quebec Circuit, at Quebec. Last six Juridical Days of each month in the year, except August.

Rimouski, at St. Germain, 19th to 28th January, May, and September.

Kamouraska, at St. Louis de Kamouraska, 1st to 10th February, June, and October.

St. Thomas, at St. Thomas, 13th to 22d February, June, and October.

Beauce, at St. Marie de la Nouvelle Beauce, 1st to 10th March, July, and November.

Leeds, in Township of Leeds, 16th to 25th February, 19th to 28th June and 20th to 29th October.

Lotbiniere, at Lotbiniere, 13th to 22nd March, July, and November.

Portneuf, at Cap Santé, 7th to 16th January, May, and September.

Saguenay, at Les Eboulements, 1st to 10th March. July, and October.

Chicoutimi, at Chicoutimi, last six Juridical Days of each of the months of January, May, June, September, and November.

DISTRICT OF THREE RIVERS.

Three Rivers Circuit, at Three Rivers, Last six Juridical Days of March, May, June, September, November, and December.

DISTRICT OF ST. FRANCIS.

Sherbrooke Circuit, at Sherbrooke, last six Juridical Days of February, March, June, September and October, and first six Juridical Days of December.

Richmond Circuit, at Richmond, 10th to 19th March and September.

Stanstead Circuit, at Stanstead Plain, 15th to 24th May and November.

DISTRICT OF GASPE.

Percé, at Percé from the 1st to 10th March and November.

Basin of Gaspé, to be called the Basin Circuit. At the Basin from the 15th to the 24th of March and November.

Grande Rivière Circuit, at the Grande Rivière from the 1st to the 10th of April and December.

Magdalene Island Circuit, at Amherst Harbour from the 1st to the 10th of July.

New Carlisle Circuit, at New Carlisle from the 15th to the 24th May and December.

Carlton Circuit, at Carlton from the 15th to the 24th January and July.

Restigouche Circuit, at Restigouche from the 27th January to the 5th February and from the 27th July to the 5th August.

DISTRICT OF MONTREAL.

Montreal Circuit, in the City of Montreal, last six Juridical Days in each month in the year, excepting August.

Berthier Circuit, at Berthier, from 21st to 30th January, May, and September.

L'Assomption Circuit, at St. Pierre, from 1st to 10th March, July, and November.

Terrebonne Circuit, at St. Louis de Terrebonne, from 12th to 21st March, July and November.

Two Mountains Circuit, at St. Benoit, from 7th to 16th January, May and September.

Ottawa Circuit, at Aymer, from 20th to 29th January, May, and September.

Vaudreuil Circuit, at St. Michel de Vaudreuil, from 1st to 10th March, July, and November.

Beauharnois Circuit, at St. Martine, from 12th to 21st March, July and November.

St. Johns Circuit, at St. Johns, from 10th to 19th February, June and October.

Missisquoi Circuit, at Nelsonville, from 21st to 30th February, June, and October.

St. Hyacinthe Circuit, at St. Hyacinthe, from 10th to 19th February, June, and October.

Richelieu Circuit, at St. Ours, from 21st to 30th February, June, and October.

Commissioners Courts abolished at Quebec, Montreal, and Three Rivers.

JURISDICTION.

In cases where the sum of money or value of the thing demanded shall not exceed £50 cy, and wherein no capias shall have issued.

When the amount does not exceed £15, Case to be heard, tried, and determined summarily; when the amount does not exceed £6 5, Case to be determined according to equity and a good conscience. But all cases relating to Titles to Land, money payable to the Queen, any Fees of office, Duty, Rent, or where the Rights in future may be bound, or in which a Trial by Jury may be had, may be carried to superior Court for trial and judgment.

A FARMER'S BAROMETER—Take a stick three feet long and attach it to the butt end of a vial, full of air of course and corked tight. The stick is then suspended in a horizontal position on a pivot, where it will readily turn, say on a thread tied near its centre. When the storm is coming on the air outside is lighter than that in the phial; of course the phial sinks and indicates a change in the atmosphere. Such a barometer may be made in ten minutes, and some of our young philosophic farmers, will incline to have barometers of their own manufacture.

A READY RULE FOR FARMERS.—We have been frequently asked to explain the difference between the price of wheat per quarter and per barrel. The simple rule by which every man can ascertain this for himself is this: Multiply the price per quarter by 7 and divide by 12; the result will give the amount per barrel. Thus, 56s. per quarter multiplied by 7, and divided by 12, gives 32s. 8d. per barrel.

MONTREAL POST OFFICE.

No. 15, Great St. James Street.

JAMES PORTEOUS, Postmaster, — PATRICK W.M. COOPER, Chief Clerk.

OFFICE HOURS.

In Summer, — From eight A. M. to six P. M. — In Winter, — From eight A. M. to five P. M.
On Sundays, — From half past nine to half past ten, A. M., and from four to five, P. M.

ARRIVAL AND DEPARTURE OF MAILS.

Halifax, St. John, N. B., &c., &c.	Every Sunday and Thursday.....	Every Thursday and Saturday at ½ past 5 o'clock, P. M.
Quebec, and intermediate places on the Route per Steamers.....	Every morning except Monday.....	Every afternoon at ½ past 5 o'clock, except Sunday.
Land Route to Quebec.....	Every Tuesday, Thursday, and Satur.	Every Tuesday, Thursday and Saturday, at ½ past 5 o'clock, P. M.
Canada West.....	Every forenoon.....	Every forenoon at 10 o'clock.
Ottawa Route.....	Every forenoon except Monday.....	Every forenoon except Sunday, at 7 o'clock, A. M.
Laprairie and St. John's.....	Every forenoon except Monday.....	Every morning except Sunday, at 9 o'clock, A. M.
Phillipsburg and Henryville.....	Every day.....	Every day at 9 o'clock, A. M.

Sherbrooke Route, via Chambly and) Every morning Every Monday, Wednesday and Friday,

Philippsburg and Henryville.....	Every forenoon except Monday.....	Every day at 9 o'clock, A. M.
Sherbrooke Route, via Chambly and Granby, and from thence to Stanstead.....	Every morning.....	Every Monday, Wednesday and Friday, at $\frac{1}{2}$ past 3 o'clock, P. M.
Boucherville, Varennes and Verchères.....	Every day.....	Every day at 3 o'clock.
Chambly.....	Every Wednesday and Saturday in the morning.....	Every Wednesday and Saturday, at 1 o'clock P. M.
Mascouche, Terrebonne, St. Vincent de Paul, St. Lir, and New Glasgow. }	Every Mon. and Sat., in the morning.....	Every Tuesday, Thursday and Saturday, at $\frac{1}{2}$ past 5 o'clock, P. M.
L'Assomption.....	Every Saturday, in the morning.....	Every Thursday at 4 o'clock.
Rawdon, St. Roch, and St. Jacques.....	Every Tues, Thurs., and Sat., after.....	Every Monday, Wednesday and Friday, at 7 o'clock, A. M.
Chateaugay Route.....	Every afternoon except Sunday.....	Every morning at 7 o'clock, A. M.
Beauharnois.....	Every day.....	Every day at 9 o'clock, A. M.
L'Acadie, Lacolle, Napierville, and Beauharnois.....	Every Thurs. and Sunday morning.....	Every Monday, Wednesday and Friday, at 10 o'clock, A. M.
ChAMPLAIN, U. S.....	Every morning.....	Every morning at 7 o'clock.
Point Claire.....	Every Saturday in the forenoon.....	Every Wednesday, at 9 o'clock, A. M.
Vaudreuil, Rigaud and Point à Ca- vagnol.....	Every Wed. and Sat., in the forenoon.....	Every Monday and Thursday, at 9 o'clock, A. M.
Nortoncreck, Russeltown, and Manningville.....	Every Sunday, Wednesday and Friday, in the forenoon.....	Every morning at 9 o'clock, P. M.
Babyville and Hemmingford.....	Every Tuesday, Thursday and Saturday, forenoon.....	Every Monday, Wednesday, and Friday, at 9 o'clock, A. M.
Bedford Route, via St. Johns, and through to Stanstead.....		
Ile Aux Noix, Clarenceville and Freightsburg.....		

St. Denis, St. Charles, and St. Ours.....	Every morning except Tuesday.....	Every Mon., Wed., and Fri., at 5 o'clock P. M., via William Henry, and every Tues. Thurs. and Sat., at ½ past 3 o'clock via Chambly.
St. Hyacinthe, St. Hilaire and St. Pie. Eastern Townships, via Three Rivers, Lotbinière, St. Pierre, and all other places on the South side, from Nicolet to Point Levi.....	Every morning..... Every Sun. Wed. and Fri., in the mor. Every morning.....	Every Tuesday, Thursday and Saturday, at 5 o'clock, P. M. Every day at ½ past 5 o'clock, P. M.
Port St. Francis and Nicolet.....	Every morning except Monday.....	Every afternoon, except Sunday at ½ past 5 o'clock.
Chambly.....	Every Tues., Thurs, and Sat. after.....	Every Monday, Wednesday and Friday, at ½ past 3 o'clock, P. M.
St. Elizabeth, Daillebout, and Industry, via Berthier.....	Every Tuesday and Friday morning.....	Every Monday and Thursday, at ½ past 5 o'clock, P. M.
United States.....	Every forenoon except Monday.....	Every forenoon except Sunday at 9 o'clock A. M.
St. Sylvester, Leeds, Inverness, and New Ireland.....	Every Tues. aftern. via Sherbrooke } and on Fri. morning via Quebec.. }	Every Monday afternoon via Quebec, at 5 o'clock on Friday morning, via Sherbrooke at ½ past 3 and on Saturday afternoon via Port St. Francis at ½ past 5 o'clock.
Dudswell via Sherbrooke.....	Every Tuesday afternoon.....	Every Friday at ½ past 5 o'clock.

M L C C D W M P B G K C P T M F
L C C H

ROUTES AND DISTANCES FROM MONTREAL

MONTREAL TO QUEBEC.

Montreal to Sorel.....	Steamboat,	45 miles
Sorel to Port St. Francis.....	do.	39... 84
Port St. Francis to Three Rivers,..	do.	6... 90
Three Rivers to Quebec,.....	do.	90...180

TO CANADA WEST.

Montreal to Lachine,.....	Railroad,	8 miles
Lachine to Coteau du Lac,.....	Steamboat,	36... 44
Coteau du Lac to Cornwall,.....	do,	40... 84
Cornwall to Dickenson's Landing,.....	do.	12... 96
Dickenson's Landing to Williamsburg West.	do.	16...112
Williamsburg West to Matilda,.....	do.	9...121
Matilda to Prescott,.....	do.	15...136
Prescott to Brockville,.....	do.	12...148
Brockville to Gananoque,.....	do.	33...181
Gananoque to Kingston,.....	do.	21...202
Kingston to Cobourg,.....	do.	110...312
Cobourg to Port Hope,.....	do.	7...319
Port Hope to Toronto,.....	do.	72...391
Toronto to Hamilton,.....	do.	45...436
Toronto to Niagara,.....	do.	45
Niagara to Falls,.....	Steamboat and Railroad,	14
Falls to Buffalo,.....	Railroad,	21

OTTAWA ROUTE.

Lachine to Carillon,.....	Steamboat,	40 miles
Carillon to Grenville,.....	Stage,	12... 52
Grenville to Bytown,.....	Steamboat,	63...115
Bytown to Kingston,.....	do.	126...241

TO CALEDONIA SPRINGS.

Montreal to Lachine,.....	Railroad,	8 miles
Lachine to Point Fortune,.....	Steamboat,	40... 48
Point Fortune to Springs,.....	Stage,	27... 75

ST. LAWRENCE AND ATLANTIC RAILROAD.

Finished from Longueuil, opposite		
Montreal to St. Hyacinthe,.....		30 miles

Every Friday at 1/2 past 5 o'clock.

TO BOSTON OR NEW YORK.

Montreal to Laprairie,.....	Steamboat,	9 miles
Laprairie to St. Johns,.....	Railroad,	15
St. Johns to Burlington,.....	Steamboat,	76
Burlington to Whitehall,.....	do.	75
Whitehall to Albany,.....	Railroad,	78
Whitehall to Saratoga,.....	do.	39
Saratoga to Troy,.....	do.	33
Troy to Albany,.....	Steamboat or Railroad,	6
Albany to New York,.....	Steamboat,	150
Albany to Boston,.....	Railroad,	210

Montreal to Boston via Burlington and Rutland Railroad.

NORTHERN ROUTE.

Montreal to Laprairie,.....	9 miles
Laprairie to St. Johns,.....	15
St. Johns to Rouse's Point,.....	24
Rouse's Point to Plattsburgh,.....	26
Plattsburgh to Burlington,.....	25
Burlington to Montpelier,.....	40
Montpelier to White River Junction,.....	63
White River Junction to Concord,.....	69
Concord to Lowell,.....	48
Lowell to Boston,.....	25

SOUTHERN ROUTE.

From Montreal to White River Junction same as per Northern Route,.....	202 miles
White River Junction to Bellows Falls,....	38
Bellows Falls to Keene,.....	22
Keene to Fitchburg,.....	42
Fitchburg to Groton,.....	15
Groton to Boston,.....	35

Boston to Halifax,.....	Steamboat	500 miles
Halifax to Pictou,.....	Stage	100
Pictou to Quebec,..		600

DISEASES OF LIVE STOCK.

CALVES.

NAVEL ILL.—The best treatment for this dangerous disease is, 1st, to administer two or three doses (about a wine-glassful) of castor oil (linseed oil does just as well, and is much cheaper); and, secondly, cordials, which can be made of two drachms of carraway seeds, to do of coriander seeds, two do powdered gentian; bruise the seeds, and simmer them in beer or gruel for a quarter of an hour; give these once or twice a day.

CONSTIPATION OF THE BOWELS—For this, doses of castor oil (or linseed oil,) of two or three oz. are the best remedy.

SCOURING.—The farmer may RELY on the following mixture. Let him keep it always by him; it will do for all sucking animals:—

- Prepared chalk.....4 ounces.
- Canella bark, powdered.....1 “
- Laudanum.....1 “
- Water.....1 pint

Give two or three table spoonfuls, according to the size of the animal, two or three times a day.

HOOSE, OR CATARRH.—Good nursing, bleeding, and then a dose of Epsom salts with half an ounce of ginger in it.

COWS.

CLEANSING DRINK.—One oz. of bayberry powdered, one oz. of brimstone powdered, one oz. of cummin-seed powdered, one oz. of diapente. Boil these together for ten minutes; give when cold in a little gruel.

COLIC.—The best remedy is one pint of linseed oil mixed with $\frac{1}{2}$ oz. of laudanum.

CALVING.—The treatment before calving is to keep the cow moderately well, neither too fat nor too lean; remember that she commonly has the double duty of giving milk and nourishing the fœtus: dry her some weeks before calving; let her bowels be kept moderately open; put her in a warm sheltered place or house her; rather reduce her food; do not disturb her when in labor, but be ready to assist her in case of need; let her have warm gruel; avoid cold drinks. A pint of sound, good ale in a little gruel is an excellent cordial drink.

A CORDIAL is easily made by one oz. of carraway seeds, 1 oz. of aniseeds, $\frac{1}{2}$ oz. of ginger powdered, 2oz. of fenugreek seeds. Boil these in a pint and a half of beer for ten minutes; administer when cold

9 miles
15
76
75
78
39
33
6
150
210

ailroad.

9 miles
15
24
26
25
40
63
69
48
25

Northern
02 miles
38
22
2
5
5

0 miles
0
0

FEVER.—Bleed; and then give one oz. of powdered nitre, and two oz. of sulphur in a little gruel. If the bowels are constipated give $\frac{1}{2}$ lb. of Epsom salts in three pints of water daily, in need

HOOSE.

—SEE CALVES, DISEASES OF—only double the doses.

HOOVE OR HOVEN.—Use the elastic tube; but as a prevention, let them be well supplied with common salt, and restrained from rapid feeding, when first feeding upon rank grass or clover.

MANGE.— $\frac{1}{2}$ lb. of black brimstone, $\frac{1}{2}$ pint of turpentine, one pint of train oil. Mix them together, and rub the mixture well in over the affected parts.

MILK FEVER, OR GARGET.—two oz. of brimstone, one oz. of diapente, one oz. of cummin seeds powdered, one oz. of powdered nitre. Give this daily in a little gruel, and well rub the udder with a little goose-grease.

MURRAIN.— $\frac{1}{2}$ lb. of salts, two oz. of bruised coriander seeds, one oz. of gentian powder. Give these in a little water.

PLEURA PNEUMONIA.—The only chances in this disease are the adoption of very PROMPT measures:—Bleed EARLY, and repeat it if necessary. Then give a drench, composed of 1 lb. Epsom salts, 1 oz. powdered saltpetre, $\frac{1}{2}$ a drachm of tartar emetic.—Give it in two pints of gruel, and repeat in six or eight hours. POISONS swallowed by oxen are commonly the yew, the water dropwort, and the common and the water hemlock. $1\frac{1}{2}$ pints of linseed oil is the best remedy.

PURGE, IN POISONING.—Either one lb. of salts in a quart of water or gruel, or 1 pint to $1\frac{1}{2}$ pints of linseed oil.

RED WATER.—Bleeding, says Youatt, first, and then a dose of one lb. of Epsom salts, and $\frac{1}{2}$ lb. doses repeated every eight hours until the bowels are acted upon. In Hampshire they give four ounces of AMMONIAC, and two ounces of spirits of turpentine in a pint of gruel.

SCOURING.—Give $\frac{1}{2}$ oz. of powdered catechu, and ten grs. of powdered opium in a little gruel.—**SPRAINS.**—Embrocation; eight oz. of sweet oil, four oz. of spirits of hartshorn, $\frac{1}{2}$ oz. of oil of thyme.—**STING OF THE ADDER OR SLOW-WORM.**—Apply immediately to the part strong spirits of hartshorn; or sting of bees apply chalk or whitening mixed with vinegar. **WORMS.**—Botts; give $\frac{1}{2}$ lb. of Epsom salts with two oz. of coriander seeds bruised in a quart of water. **WOUNDS.**—FLESH tincture. Socotorine or Barbadoes aloes in powder 4oz., myrrh coarsely powdered 1 oz. rec. spirit of

wine 1 pint, water 2 pints. Let them stand 14 days, occasionally shaking; then fit for use: wounds are best without sewing: cleanse from dirt and gravel. If much inflamed, apply a poultice. If unhealthy fungous granulation arises, wash the part with the following mild caustic, wash previous to applying the tincture. Blue vitriol (sulphate of copper) 1 oz. water 1 pint dissolve. **YELLOWS.**—Two oz. of diapente, two oz. of cummin seed powder, two oz. of fenugreek powder. Boil these for ten minutes in a quart of water, and give daily in a little gruel.

SHEEP.

APOPLEXY.—Bleed copiously; then give two oz. of Epsom salts in a pint of water.

BLACK WATER.—Keep the bowels open with Epsom salts; and give a teaspoonful of elixir of vitriol, or sulphuric acid, diluted with seven parts of water, in an infusion of oak bark.

BLACK MUZZLE.—Mix an ounce of verdigris (acetate of copper,) four oz. of honey, $\frac{1}{2}$ pint of vinegar; simmer them together over a fire for ten minutes in an earthen pipkin. Apply it to the mouth on a piece of rag. **COUGH OR COLD.**—Bleed; give a solution of Epsom salts.

FLY.—Fly powder: two pounds of black sulphur half a pound of helebore; mix them together, and sprinkle the sheep from head to tail with a dredging box.

Sheep Wash.

The farmer will find this an excellent receipt: half a pound of powdered white arsenic (arsenious acid,) four pounds and a half of soft soap. Boil these for a quarter of an hour, or until the arsenic is dissolved, in five gallons of water. Add this to the water sufficient to dip fifty sheep. The quantity of arsenic usually recommended is too large.

Foot Rot.

One drachm of verdigris (acetate of copper,) one drachm of blue vitriol (sulphate of copper,) one drachm of white vitriol (sulphate of zinc,) two ounces of water, two drachms of nitric acid, two drachms of butter of antimony; pare away the horn, and apply the lotion upon a feather to the part affected.

Rot.

To prevent, let the sheep have always a lump of salt to lick in their troughs.

Scab; or Schab.

Apply a lotion formed of one ounce of corrosive sublimate, four ounces of salt ammoniac, dissolved in four quarts of rain water. This is a powerful stimulant, and must be used with caution. Mercurial Ointment for Scab:—quick-silver 1 lb. rancid lard 7 lbs.; rub the quick-silver with a small quantity of the lard, until the globules entirely disappear; afterward add the remainder of the lard; some persons add a little powdered charcoal to make it darker. Scouring.—See diseases of calf.

Ticks.—See Fly.

WOUNDS.—Wash the part, and apply a lotion formed of vinegar one pint, spirits of wine one ounce, spirits of turpentine one ounce, Goulard's Extract one ounce. If the wound be a recent one it is better to stitch it up with separate ligatures, which can be easily withdrawn, and dress with cold water.

PIGS.

For the common diseases of pigs, the following recipe may be employed; $\frac{1}{2}$ lb. of sulphur, $\frac{1}{2}$ lb. of madder, $\frac{1}{4}$ lb. of saltpetre, 2 oz. of black antimony; mix these together, and give a table spoonful night and morning in its food.

HORSES.

COUGHS, or COLDS, are best treated by cold bran mashes, with $\frac{1}{2}$ lb. of linseed, and 1 oz. of saltpetre each mash.

GRIPES, or COLIC.—In the absence of a veterinary surgeon in this dangerous complaint, the following is the best remedy for a horse:— $1\frac{1}{2}$ pint of linseed oil, $1\frac{1}{2}$ oz. of laudanum, given in a little warm gruel. Some persons assist the operation of the above with a clyster, composed of $\frac{1}{2}$ lb. of Epsom salts, $\frac{1}{2}$ lb. of treacle, dissolved in three quarts of warm water. Mange.—See Cows, for which the remedy is the same.

POWDER ALTERATIVE for diseased skin or surfeit; mix together $\frac{1}{2}$ lb. of sulphur, $\frac{1}{2}$ lb. of saltpetre, $\frac{1}{4}$ lb. of black antimony, give a large table-spoonful night and morning in their corn.

STRAINS AND WOUNDS.—Mix 1 oz. of Goulard's extract, 1 oz. of spirits of turpentine, 1 oz. of spirits of wine, 1 pint of the strongest vinegar; rub this by the hand, or a piece of tow, gently on the part affected.

CURRENCY TABLE.
 One Pound, Sterling, equal to One Pound, Four Shillings and Four Pence, Currency.

Pence.	Pence.		Shillings.		Pounds.		Pounds.		Pounds.		Pounds.		Pence.							
	Stg.	Currency.	Stg.	Currency.	Stg.	Currency.	Stg.	Currency.	Stg.	Currency.	Stg.	Currency.								
1	£	1	d	1	£	81	d	4	£	49	d	8	£	21	d	4	£	1	d	4
2	0	2	1	3	82	4	4	4	51	17	8	0	41	11	0	4	22	8	8	4
3	0	3	2	5	83	8	8	0	62	2	0	4	42	15	4	4	23	8	8	4
4	0	4	3	8	84	0	0	8	63	6	4	8	43	19	8	4	24	4	4	4
5	0	5	4	10	85	4	4	4	64	8	0	4	44	23	0	4	25	8	8	4
6	0	6	5	1	86	8	8	8	65	10	8	0	45	27	8	4	26	6	6	0
7	0	7	6	3	87	0	0	0	66	15	4	6	46	31	6	0	27	6	0	4
8	0	8	7	6	88	4	4	8	67	19	8	8	47	32	12	8	28	4	8	8
9	0	9	8	9	89	8	8	0	68	24	0	4	48	36	5	8	29	8	0	4
10	0	10	9	11	90	0	0	4	69	28	4	4	49	39	10	0	30	0	0	0
11	0	11	10	13	91	4	4	8	70	32	8	8	50	42	16	8	31	4	8	8
12	0	12	11	16	92	8	8	0	71	37	0	0	51	46	1	0	32	8	0	4
13	0	13	12	18	93	0	0	8	72	41	8	8	52	50	5	4	33	0	8	4
14	0	14	13	21	94	4	4	0	73	45	8	8	53	54	8	8	34	4	16	4
15	0	15	14	24	95	8	8	8	74	49	0	0	54	58	14	0	35	8	0	4
16	0	16	15	27	96	0	0	0	75	53	8	8	55	62	18	4	36	0	4	4
17	0	17	16	30	97	4	4	4	76	57	2	8	56	66	22	8	37	4	8	4
18	0	18	17	33	98	8	8	8	77	61	6	0	57	70	26	0	38	4	0	8
19	0	19	18	36	99	0	0	0	78	65	0	4	58	74	30	4	39	8	0	4
20	0	20	19	39	100	4	4	4	79	69	4	8	59	78	34	8	40	0	8	4
									80	73	0	0	60	82	38	0				

To convert Sterling into Currency, add one-fifth and one-twelfth of that sum, or multiply by 73, and divide by 60.
 To convert Currency into Sterling, multiply by 60, and divide by 73.

PAPER AND ACCOUNT BOOKS

WAREHOUSE, ST. FRANCIS XAVIER STREET, MONTREAL.

The Subscribers have always on hand a large and well assorted stock of POST, FOOLSCAP, POTT, and other WRITING PAPERS, DRAWING and BLOTING papers, of Bristol boards, &c. &c. In MISCELLANEOUS STATIONERY such as Wax, Wafers, Rulers, Inkstands, Red-Tape, Slates, Copybooks, &c.; their stock is unusually ample, and prices will be found low. ACCOUNT BOOKS for Merchants, Bankers, Forwarders, and others, kept on hand, or made to order in the best style.

SCHOOL BOOKS.

The Subscribers are Agents for the sale of the best English and Scotch Text Books used in Colleges and High Schools. They also publish editions on fine paper and in substantial binding of the

NATIONAL SCHOOL BOOKS.

Since the Subscribers first published this valuable series only a few years ago, the demand has so steadily increased, as to require the issue of several large editions. The present have been carefully revised and freed from typographical errors. The Introduction to Geography has been greatly improved, and the Sequel to the Second Book has been lately added to the series. Teachers will find this last named Book of great service to them in preparing the way for the use of the Third Book.

General Lessons, to be hung up in Schools.	First Book of Arithmetic and Key.
First Book of Lessons.	English Grammar and Key.
Second Book of Lessons.	Book-keeping and Key.
Sequel to the Second Book of Lessons.	Treatise on Mensuration, for the use of Teachers.
Third Book of Lessons.	Elements of Geometry.
Fourth Book of Lessons.	Introduction to Geography and History, with Maps, Plates &c., new edition, much improved.
Fifth Book of Lessons.	Geography Generalised.
Lessons on the Truth of Christianity.	
Spelling Book superseded.	

A liberal allowance made to the Trade, to Country Merchants, and to Teachers.

OUR & RAMSAY

