



P. 155

NUMBER V.

BRYSON'S
Canadian Farmer's
ALMANAC,

FOR THE YEAR OF OUR LORD

18



52,

Being Bissextile or Leap Year, and, till the 20th day of June, the Fifteenth Year of the Reign of Her Most Gracious Majesty, Queen Victoria.

Calculated for the Meridian of Montreal in Latitude 45° 30' 26" North, and Longitude 73° 34' 29" West, from the Royal Observatory, Greenwich, but arranged so as to serve, without essential variation, for every other portion of Canada.

Astronomical Part by O. WELLS, Provincial Surveyor.

MONTREAL :

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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 2d columns show the mean times of the rising and setting of the Sun. The quantities are only set down to the nearest minute, the uncertainty of the observed 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 "souths," 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 Astronomical Symbols and Abbreviations.

☉ The Sun,	♄ Saturn,	° Degrees,	♋ Cancer, <i>The Crab</i>
☾ The Moon,	♃ In Conjunction,	' Minutes } of Arc,	♌ Leo, <i>The Lion</i> ,
☿ Mercury,	☐ In Quadrature,	// Seconds,	♍ Virgo, <i>The Virgin</i> ,
♀ Venus,	♁ In Opposition,	d. Days, h. hours } Time	♎ Libra, <i>The Balance</i> ,
♁ The Earth,	♊ Ascending Node,	m. Minutes,	♏ Scorpio, <i>The Scorpion</i> ,
♂ Mars,	♋ Descending Node,	s. Seconds,	♐ Sagittarius, <i>The Archer</i> ,
♃ Jupiter,	N North, S. South,	♈ Aries, <i>The Ram</i> ,	♑ Capricornus, <i>The Goat</i> ,
♁ Herschel, or the Georgian,	E. East, W. West.	♉ Taurus, <i>The Bull</i>	♒ Aquarius, <i>The Waterman</i>
		♊ Gemini, <i>The Twins</i>	♓ Pisces, <i>The Fishes</i> .

Chronological Cycles.

Dominical Letters	D. C	Julian Period	6565
Golden Number	10	The year 5613 of the Jewish Era com-	
Epact.	9	mences on September 14th, 1852.	
Solar Cycle.	13	The year 1269 of the Mohammedan Era	
Roman Indiction	10	commences on October 15, 1852.	

Moveable Festivals.

Septuagesima Sunday	February 8	Low Sunday	April 13
Quinquagesima Sunday	" 22	Rogation Sunday	May 16
Ash Wednesday.	" 25	Ascension Day, Holy Thurs.	" 20
First Sunday in Lent	" 29	Pentecost, Whit Sunday,	" 30
Palm Sunday	April 4	Trinity Sunday	June 6
Good Friday	" 9	Corpus Christi	" 16
Easter Sunday	" 11	Advent Sunday	November 25

Holidays observed at Public Offices.

Circumcision	January 1	Corpus Christi	June 10
Epiphany	" 6	St. Peter and St. Paul	" 29
Annunciation	March 25	All Saints Day	November 1
Good Friday	April 9	Conception. B. V. M.	December 8
Ascension Day	May 20	Christmas Day	" 25
Birth Day of the Queen	" 24		

March . . .
June . . .

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Ember Days.

March	3, 5, 6	September	15, 17, 18
June	2, 4, 5	December	15, 17, 18

Commencement of the Seasons.

			d.	h.	m.	
Vernal Equinox . . .	[Spring begins] . . .	March	20	5	48	Morning.
Summer Solstice . . .	[Summer begins] . . .	June	21	2	35	Morning.
Autumnal Equinox . . .	[Autumn begins] . . .	September	22	4	47	Evening.
Winter Solstice . . .	[Winter begins] . . .	December	21	10	19	Morning.

Venus will be Evening Star till the 21st day of July, thence Morning Star the remainder of the year.

Eclipses.

In the year 1852, there will be three Eclipses of the Sun, and three of the Moon.

I.—A Total Eclipse of the Moon, January 6th and 7th, visible at Montreal as follows:—

	d.	h.	m.	
First Contact with the dark shadow, . . .	6	11	26.6	Evening.
Disappearance,	7	0	26.6	
Middle of the Eclipse,	"	1	15.7	Morning.
Re-appearance,	"	2	4.8	
Last Contact with the dark shadow, . . .	"	3	4.8	

The duration of Visibility will be 3 hours and 38.2 minutes.

Magnitude of the Eclipse, (Moon's Diameter = 1) 1.667 on the Northern limb.

II.—A partial Eclipse of the Sun, January 21st, invisible at Montreal. The mean time of Conjunction in Right Ascension will be at 2 hours in the morning.

III.—A Partial Eclipse of the Sun, June 17th, invisible at Montreal. The mean time of Conjunction in Right Ascension will be at 11 hours 49.3 minutes in the morning.

IV.—A Total Eclipse of the Moon, July 1st, invisible at Montreal. The mean time of opposition will be at 11 hours and 32 minutes in the morning.

V.—A Total Eclipse of the Sun, December 10th, invisible at Montreal. Mean time of conjunction in Right Ascension, at 10 hours and 30 minutes in the evening.

VI.—A Partial Eclipse of the Moon, December 26th, invisible at Montreal. The mean time of opposition will be at 8 hours and 13 minutes in the morning.

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	D.	H.	M.	
○ Full Moon.....	7	1	15	Morning.
☾ Last Quarter.....	13	8	24	Evening.
● New Moon.....	21	2	33	Morning.
☽ First Quarter.....	29	5	40	Morning.

DAYS.		Calendar, Aspects, &c.	THE SUN.				MOON.	
M.	WEEK.		Ris.	Sets.	souths.	P.	R. & S.	
1	Thur.	Circumcision.	7 41	4 27	12 4	☿	● Sets	
2	Frid.	☉ in Perigee	7 41	4 27	12 4	♄	2 42	
3	Sat.		7 41	4 28	12 5	♃	3 44	
4	SUN.	2nd Sunday after Christmas.	7 41	4 29	12 5	♂	4 48	
5	Mon.	<i>hard frost</i>	7 41	4 30	12 6	♂	5 52	
6	Tues.	Epiphany.	7 40	4 31	12 6	♁	6 54	
7	Wed.		7 40	4 32	12 6	♁	○ Rises	
8	Thur.	Lucian, P. & Mart.	7 40	4 33	12 7	♂	6 25	
9	Frid.		7 39	4 34	12 7	♂	7 37	
10	Sat.	<i>Severely cold</i>	7 39	4 35	12 8	♁	8 52	
11	SUN.	1st Sunday after Epiph.	7 39	4 36	12 8	♁	10 5	
12	Mon.		7 38	4 38	12 8	♁	11 18	
13	Tues.	Hilary, Bp.	7 38	4 40	12 9	♂	Morn.	
14	Wed.		7 37	4 41	12 9	♂	0 31	
15	Thur.	<i>there will be a</i>	7 37	4 43	12 9	♁	1 43	
16	Frid.	<i>great</i>	7 36	4 44	12 10	♁	2 56	
17	Sat.	<i>snow</i>	7 36	4 45	12 10	♁	4 6	
18	SUN.	2nd Sunday after Epiphany.	7 35	4 46	12 11	♁	5 13	
19	Mon.		7 35	4 48	12 11	♁	6 10	
20	Tues.	Fabian, Bp.	7 34	4 50	12 12	♁	7 9	
21	Wed.	Agnes Virg.	7 33	4 51	12 12	♁	● Sets	
22	Thur.	Vincent, D. & M.	7 32	4 52	12 12	♁	6 19	
23	Frid.	<i>a few</i>	7 31	4 53	12 12	♁	7 22	
24	Sat.	<i>moderate days,</i>	7 30	4 54	12 13	♁	8 24	
25	SUN.	3rd Sunday after Epiphany.	7 29	4 56	12 13	♁	9 25	
26	Mon.	<i>followed by a</i>	7 28	4 57	12 13	♁	10 25	
27	Tues.	<i>driving storm</i>	7 27	4 58	12 13	♁	11 25	
28	Wed.	<i>of rain and sleet</i>	7 26	5 0	12 13	♁	Morn.	
29	Thur.	<i>on or about the</i>	7 25	5 2	12 13	♁	0 26	
30	Frid.	King Charles Mart.	7 24	5 4	12 14	♁	1 27	
31	Sat.	<i>29th.</i>	7 23	5 6	12 14	♁	2 29	

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Gardening is farming in the superlative degree ; the plough is an inverted spade and the harrow is a horse rake. Many of the best practices in farming have been transferred from the garden to the field, and the nearer that field culture can be made to approach to gardening, the nearer it approaches to perfection. And, though a very strict analogy may not exist, yet, the connecting link is evidently not very lengthy and may be much shortened. Gardening is very generally believed to be unprofitable and an employment of luxury, and a source of amusement. But, domestic gardening when properly arranged and conducted, may be made a source of much profit, as it affords materials for the kitchen, the cow stall, the piggery, and the poultry yard, and to these ends, our views will all be directed. Fine fruits, and a profusion of flowers, are not much in the farmer's way ; but the family table must be supplied with vegetables, the most wholesome and innocent of all human food.

Nothing can be done in the open ground during this month.

Fruit Room and Cellar.—Examine the fruit in barrels and on shelves, and the vegetables, pick out and remove the decayed and tainted.

	D.	H.	M.	
○ Full Moon.....	5	1	59	Evening.
☾ Last Quarter.....	12	5	8	Morning.
● New Moon.....	19	8	0	Evening.
☽ First Quarter... ..	28	0	37	Morning.

DAYS.		Calendar, Aspects, &c.	THE SUN.			MOON.	
M.	WEEK.		Ris.	Sets.	souths	P.	R. & S.
1	SUN.	4th Sunday after Epiphany.	7 22	5 7	12 14	II	3 32
2	Mon.	Purifi. of V. Mary. <i>Rain and</i>	7 21	5 8	12 14	☾	4 35
3	Tues.	Blasius, B. & M. <i>snow</i>	7 20	5 9	12 14	☾	5 36
4	Wed.	<i>alternately.</i>	7 19	5 10	12 14	☾	6 30
5	Thur.	Agatha, Virgin. <i>Weather will</i>	7 17	5 12	12 14	☾	○ Rises
6	Frid.	<i>be moderate</i>	7 16	5 13	12 14	☾	6 32
7	Sat.		7 15	5 14	12 14	☾	7 49
8	SUN.	Septuagesima Sunday, <i>up to the</i>	7 14	5 16	12 14	☾	9 5
9	Mon.	<i>last quarter on the</i>	7 12	5 18	12 15	☾	10 19
10	Tues.	<i>12th :</i>	7 10	5 20	12 15	☾	11 34
11	Wed.		7 9	5 21	12 15	☾	Morn.
12	Thur.	<i>after which</i>	7 8	5 22	12 15	☾	0 47
13	Frid.		7 7	5 23	12 14	☾	1 59
14	Sat.	Valentine, Bishop. <i>hard</i>	7 5	5 25	12 14	☾	3 4
15	SUN.	Sexagesima Sunday.	7 3	5 27	12 14	☾	4 9
16	Mon.	<i>Storms may be</i>	7 2	5 28	12 14	☾	5 5
17	Tues.		7 0	5 30	12 14	☾	5 53
18	Wed.	<i>looked for</i>	6 58	5 31	12 14	☾	6 33
19	Thur.		6 56	5 32	12 14	☾	● Sets
20	Frid.	<i>until about the</i>	6 54	5 34	12 14	☾	6 13
21	Sat.		6 53	5 35	12 14	☾	u7 15
22	SUN.	Quinquagesima Sunday. <i>20th, when</i>	6 51	5 36	12 14	☾	8 16
23	Mon.		6 49	5 37	12 14	☾	9 16
24	Tues.	St. Matthias. <i>the weather will</i>	6 47	5 39	12 14	☾	10 16
25	Wed.	Ash Wednesday.	6 46	5 41	12 13	☾	11 16
26	Thur.	<i>change to an</i>	6 45	5 42	12 13	☾	Morn.
27	Frid.	<i>intense degree of</i>	6 43	5 43	12 13	☾	0 17
28	Sat.	<i>cold.</i>	6 42	5 44	12 13	☾	1 19
29	SUN.	1st Sunday in Lent.	6 40	5 45	12 13	☾	2 21

Put up and prepare a few hot beds, for early forcing of radishes and lettuces, and sow cucumber and melon seeds in pots, to be afterwards transplanted. Look over your vegetables. Give air to your green house when weather is fine, and water sparingly. You may begin to move large forest trees, with a ball of earth at the root. In planting shrubs, and herbaceous roots, great attention must be paid, first, as to the height they will attain when in flower; arranging them so that the dwarf sorts may be in front, and the taller at the back. Flowering shrubs, which have grown too luxuriant, should be cut and tied up. Cutting a shrub entirely down, is often resorted to with success, when it appears to be dying, after all other means have failed to restore it.

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South west as I have had for
many a year

	D.	H.	M.	
○ Full Moon.....	6	0	36	Morning.
☾ Last Quarter.....	12	3	35	Evening.
● New Moon.....	20	1	48	Evening.
☽ First Quarter.....	28	3	55	Evening.

DAYS.		Calendar, Aspects, &c.	THE SUN.			MOON.	
M.	WEEK.		Ris.	Sets.	souths	P.	R. & S.
1	Mon.	David, Archb.	6 38	5 47	12 12	☽	3 21
2	Tues.	Chadmus Bp. <i>Severely</i>	6 36	5 48	12 12	☽	4 16
3	Wed.		6 34	5 49	12 12	☾	5 6
4	Thur.	<i>cold days will</i>	6 33	5 50	12 12	☾	5 50
5	Frid.		6 31	5 52	12 12	☾	6 30
6	Sat.	<i>continue with</i>	6 29	5 53	12 11	☾	○ Rises
7	SUN.	2nd Sunday in Lent.	6 27	5 55	12 11	☾	7 59
8	Mon.	<i>very hard frost</i>	6 25	5 56	12 11	☾	9 16
9	Tues.		6 23	5 58	12 11	☾	10 33
10	Wed.	<i>up to the 12th.</i>	6 21	5 59	12 10	☾	11 47
11	Thur.		6 19	6 0	12 10	☾	Morn.
12	Frid.	Gregory M. B. <i>After which</i>	6 17	6 1	12 10	☽	0 58
13	Sat.		6 15	6 2	12 10	☽	2 4
14	SUN.	3rd Sunday in Lent.	6 12	6 4	12 9	☽	3 3
15	Mon.		6 10	6 7	12 9	☽	3 53
16	Tues.	<i>mild days,</i>	6 8	6 8	12 9	☽	4 36
17	Wed.		6 7	6 9	12 9	☽	5 9
18	Thur.	Edward. King of West Saxony.	6 6	6 11	12 8	☽	5 38
19	Frid.	<i>with rain on</i>	6 5	6 12	12 8	☽	5 59
20	Sat.	<i>or about the</i>	6 4	6 13	12 8	☽	● Sets
21	SUN.	4th Sunday in Lent.	6 2	6 14	12 7	☽	7 9
22	Mon.	<i>20th may</i>	6 0	6 15	12 7	☽	8 8
23	Tues.	<i>be looked</i>	5 58	6 17	12 7	☽	9 10
24	Wed.	<i>for.</i>	5 56	6 19	12 6	☽	10 9
25	Thur.	Annunciation Day.	5 54	6 20	12 6	☽	11 11
26	Frid.		5 52	6 21	12 6	☽	Morn.
27	Sat.	<i>Fair and mild.</i>	5 50	6 22	12 5	☽	0 12
28	SUN.	5th Sunday in Lent.	5 48	6 23	12 5	☽	1 11
29	Mon.		5 46	6 24	12 5	☽	2 6
30	Tues.		5 45	6 25	12 4	☽	2 58
31	Wed.		5 43	6 26	12 4	☽	3 48

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This is the best month for early forcing. Put up and prepare hot beds for cucumbers, melons, lettuces, radishes, Early York, cauliflowers. Sow a few tender annuals towards the latter end of the month, for transplanting into the open ground. Give air to greenhouse in fine weather. Sow in a sheltered situation, if the season will allow a few early peas. Begin to prune your orchard trees, but keep in mind that just before the sap commences to rise is the best season. Plant indigenous shrubs and evergreens. They must be taken up with good balls of earth attached to the roots, that the smaller fibres may be disturbed and broken as little as possible. Transplant rose trees.

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DAYS.

1852.]

MEMORANDUM FOR MARCH.

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This month has been the
 most severe and most
 snow stormy that
 has been known
 for many years

last night very cold
 the last day of march and
 no appearance of spring
 yet then fell 10 inches

MOON.

R. & S.

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○ Full Moon.....	4	9	29	Morning.
☾ Last Quarter.....	11	4	5	Morning.
● New Moon.....	19	6	51	Morning.
☽ First Quarter.....	27	3	9	Morning.

DAYS.		Calendar, Aspects, &c.	THE SUN.				MOON.	
M.	WEEK.		Ris.	Sets.	souths	P.	R. & S.	
1	Thur.		5 41	6 28	12 4	☾	4 22	
2	Frid.	<i>Fair.</i>	5 39	6 29	12 4	☾	4 57	
3	Sat.	Richard Bp.	5 37	6 30	12 3	☾	5 28	
4	SUN.	Palm Sunday. <i>Cold rain if</i>	5 35	6 31	12 3	☾	☉ Rises	
5	Mon.	<i>the wind</i>	5 33	6 33	12 3	☾	8 9	
6	Tues.	<i>be west:</i>	5 32	6 34	12 2	☾	9 27	
7	Wed.		5 30	6 35	12 2	☾	10 43	
8	Thur.	<i>snow if east.</i>	5 28	6 37	12 2	☾	11 54	
9	Frid.	Good Friday.	5 26	6 39	12 1	☾	Morn.	
10	Sat.		5 24	6 40	12 1	☾	0 57	
11	SUN.	Easter Sunday.	5 23	6 41	12 1	☾	1 51	
12	Mon.	<i>The whole</i>	5 21	6 42	12 1	☾	2 35	
13	Tues.		5 19	6 44	12 0	☾	3 12	
14	Wed.	<i>remaining part</i>	5 17	6 46	12 0	☾	3 43	
15	Thur.		5 16	6 47	12 0	☾	4 9	
16	Frid.	<i>of this month</i>	5 14	6 48	12 0	☾	4 32	
17	Sat.		5 12	6 49	11 59	☾	4 34	
18	SUN.	Low Sunday <i>will be rainy,</i>	5 10	6 50	11 59	☾	5 15	
19	Mon.	Alphege Bp.	5 8	6 51	11 59	☾	☉ Sets	
20	Tues.		5 6	6 52	11 59	☾	8 4	
21	Wed.	<i>with driving sleet.</i>	5 4	6 53	11 58	☾	9 5	
22	Thur.		5 2	6 54	11 58	☾	10 7	
23	Frid.	St. George.	5 0	6 56	11 58	☾	11 7	
24	Sat.		4 59	6 57	11 58	☾	Morn.	
25	SUN.	2d Sunday after Easter.	4 58	6 58	11 58	☾	0 3	
26	Mon.		4 56	6 59	11 58	☾	0 55	
27	Tues.	<i>Cold rains.</i>	4 55	7 0	11 57	☾	1 41	
28	Wed.		4 54	7 1	11 57	☾	2 21	
29	Thur.		4 52	7 3	11 57	☾	2 55	
30	Frid.		4 51	7 5	11 57	☾	3 26	

You may go on putting up and preparing frames during this month. Sow your melons and cucumbers, for general crop, about the 10th, and transplant them about the 18th of next month into frames in the open ground. Sow early peas, radishes, onions, carrots, and winter cabbages. Cut all useless shoots from gooseberry and currant bushes before the sap rises. Transplant fruit trees and other plants, and proceed with your pruning. Give air to your greenhouse and water more freely, syringing is necessary as the heat increases. This is the best season for propagating, by cuttings from green-house plants. Divide and plant the roots of any hardy herbaceous plants that are too large. Plant out any half-hardy annuals that are ready; or, if your soil is stiff, pot them, three or four in a pot, and keep them in a frame.

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MOON.

R. & S.

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	D.	H.	M.	
○ Full Moon.....	3	5	28	Evening.
☾ Last Quarter	10	6	29	Evening.
● New Moon.....	18	10	21	Evening.
☽ First Quarter.....	26	10	44	Morning.

DAYS.		Calendar, Aspects, &c.	THE SUN.			MOON.	
M.	WEEK.		Ris.	Sets.	souths	P.	R. & S.
1	Sat.	St. Philip and St. James.	4 49	7 6	11 57	♄	3 56
2	SUN.	3d Sunday after Easter.	4 48	7 7	11 57	♄	4 25
3	Mon.	Invention of the Cross.	4 47	7 8	11 57	♃	○ Rises
4	Tues.	<i>Fair and mild</i>	4 45	7 9	11 57	♃	8 18
5	Wed.		4 43	7 11	11 57	♂	9 33
6	Thur.	St. John Post. Lat. <i>weather.</i>	4 42	7 12	11 56	♂	10 42
7	Frid.		4 40	7 13	11 56	♃	11 42
8	Sat.	<i>The Spring will</i>	4 37	7 14	11 56	♃	Morn.
9	SUN.	4th Sunday after Easter.	4 36	7 15	11 56	♃	0 32
10	Mon.	<i>be unusually</i>	4 35	7 17	11 56	♃	1 12
11	Tues.	<i>favorable</i>	4 33	7 18	11 56	♃	1 46
12	Wed.		4 32	7 19	11 56	♃	2 13
13	Thur.	<i>for farmers' work.</i>	4 31	7 20	11 56	♃	2 38
14	Frid.		4 30	7 21	11 56	♃	2 58
15	Sat.		4 29	7 23	11 56	♃	3 20
16	SUN.	Rogation Sunday. <i>If the wind</i>	4 28	7 24	11 56	♃	3 42
17	Mon.	<i>should be</i>	4 27	7 25	11 56	♃	4 4
18	Tues.	<i>south or</i>	4 26	7 26	11 56	♃	● Sets
19	Wed.	Dunstan Abp. <i>south-west,</i>	4 25	7 29	11 56	♃	7 50
20	Thur.	Ascension Day. Holy Thursday.	4 24	7 30	11 56	♃	9 1
21	Frid.	<i>there will be</i>	4 23	7 31	11 56	♃	9 59
22	Sat.	<i>rain about</i>	4 22	7 32	11 56	♃	10 53
23	SUN.	Sunday after Ascension. <i>the</i>	4 21	7 33	11 56	♃	11 41
24	Mon.	Birth Day of Queen Victoria.	4 20	7 34	11 57	♃	Morn.
25	Tues.	<i>20th,</i>	4 19	7 35	11 57	♃	0 22
26	Wed.	Augustine Abp. <i>after which</i>	4 18	7 36	11 57	♃	0 48
27	Thur.	Ven. Bede, Presb.	4 17	7 37	11 57	♃	1 29
28	Frid.	<i>fine days.</i>	4 16	7 38	11 57	♃	1 57
29	Sat.	King Charles II. Rest.	4 16	7 39	11 57	♃	2 25
30	SUN.	Pentecost. Whitsunday.	4 16	7 40	11 57	♃	2 52
31	Mon.		4 15	7 40	11 57	♃	3 22

Transplant your melons and Cucumbers for general crop about the 18th. All vegetables that were not sown last month, must be laid down as early as possible. Corn should not be sown later than the 20th, to ensure a good crop. Sow annuals early this month. Plant dahlias about the 20th. This is the proper season for transplanting fruit and forest trees. Propagate plants by cuttings and slips, early this month. Give plenty of air to your greenhouses, and syringe freely every other day. The latter end of this month is about the best season for removing evergreens. Finish your pruning before the sap rises. Turn out into the open air your half-hard annuals, after they have rooted well in the pots, they will not be so much checked by the change, as in transplanting them at once from the hot bed.

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DAYS.

1852.]

MEMORANDUM FOR MAY.

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MOON.

R. & S.

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	D.	H.	M.	
○ Full Moon.....	2	1	31	Morning.
☾ Last Quarter.....	9	10	21	Morning.
● New Moon.....	17	11	53	Morning.
☽ First Quarter.....	24	3	53	Evening.

DAYS.		Calendar, Aspects, &c.	THE SUN.			MOON.	
M.	WEEK.		Ris.	Sets.	souths	P.	R. & S.
1	Tues.	Nicomede.	4 15	7 41	11 58	↑	3 56
2	Wed.	<i>Fair Weather will continue to the</i>	4 15	7 41	11 58	↑	○ Rises
3	Thur.		4 14	7 42	11 58	↑	9 26
4	Frid.		4 14	7 43	11 58	☽	10 14
5	Sat.		4 13	7 44	11 58	☽	11 9
6	SUN.	Boniface. Trinity Sunday.	4 13	7 45	11 58	☽	11 46
7	Mon.	<i>Change of the Moon on the 9th.</i>	4 12	7 46	11 59	☽	Morn.
8	Tues.		4 12	7 47	11 59	☽	0 16
9	Wed.	<i>After which</i>	4 12	7 48	11 59	☽	0 41
10	Thur.		4 11	7 48	11 59	☽	1 4
11	Frid.	Corpus Christi, St. Barnabas.	4 11	7 49	11 59	☽	1 25
12	Sat.	<i>the ensuing fifteen days</i>	4 11	7 49	12 0	☽	1 47
13	SUN.		1st Sunday after Trinity.	4 11	7 49	12 0	☽
14	Mon.	<i>will be very rainy</i>	4 10	7 50	12 0	☽	2 33
15	Tues.		4 10	7 50	12 0	☽	3 1
16	Wed.		4 10	7 50	12 0	☽	3 34
17	Thur.	St. Alban, Mart.	4 10	7 50	12 1	☽	● Sets
18	Frid.	<i>and changeable weather.</i>	4 10	7 51	12 1	☽	8 47
19	Sat.		4 11	7 51	12 1	☽	9 39
20	SUN.	2d Sunday after Trinity.	4 11	7 51	12 1	☽	10 23
21	Mon.	<i>Wet days.</i>	4 11	7 52	12 1	☽	11 1
22	Tues.		4 11	7 52	12 2	☽	11 34
23	Wed.		4 12	7 52	12 2	☽	Morn.
24	Thur.	St. John Baptist.	4 12	7 53	12 2	☽	0 3
25	Frid.	<i>Wet days.</i>	4 12	7 53	12 2	☽	0 29
26	Sat.		4 13	7 53	12 3	☽	0 56
27	SUN.	3d Sunday after Trinity.	4 13	7 53	12 3	☽	1 24
28	Mon.	St. Peter and St. Paul.	4 13	7 52	12 3	↑	1 55
29	Tues.		4 14	7 52	12 3	↑	2 30
30	Wed.		4 14	7 52	12 3	↑	3 14

Sow cucumbers for pickling about the 13th, which is the best season for ensuring a good crop. Transplant winter cabbages. Plant potatoes, not later than the 20th. Transplant celery. Sow endive, to be transplanted in August. Sow black radishes for winter use. Turn out your greenhouse plants into a half shaded exposure. No crop, if sown after this month, can be depended on. Cut down, and clear away all weeds. Continue to sow both hardy and tender annuals, to keep up a succession of flowers. This is an important point to attend to, so as to prevent your flowers from being so sown or planted, as to blow all at one time.

Henry Clay died the 29 of June 1852

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	D.	H.	M.	
○ Full Moon.....	1	10	33	Morning.
☾ Last Quarter.....	9	3	12	Morning.
● New Moon.....	16	11	21	Evening.
☽ First Quarter.....	23	8	7	Evening.
○ Full Moon.....	30	9	17	Evening.

DAYS.		Calendar, Aspects, &c.	THE SUN.				MOON.	
M.	WEEK.		Ris.	Sets.	souths	P.	R. & S.	
1	Thur.		4 15	7 52	12 4	☽	○ Rises	
2	Frid.	Visit of B. V. M.	4 15	7 52	12 4	☽	9 0	
3	Sat.		4 16	7 52	12 4	☽	9 41	
4	SUN.	4th Sunday after Trinity.	4 16	7 51	12 4	☽	10 15	
5	Mon.		4 17	7 51	12 5	☽	10 42	
6	Tues.		4 17	7 51	12 5	☽	11 7	
7	Wed.		4 18	7 51	12 5	☽	11 29	
8	Thur.		4 19	7 50	12 5	☽	11 59	
9	Frid.		4 20	7 50	12 5	☽	Morn.	
10	Sat.		4 21	7 49	12 5	☽	0 11	
11	SUN.	5th Sunday after Trinity.	4 22	7 49	12 5	☽	0 35	
12	Mon.		4 23	7 48	12 5	☽	1 1	
13	Tues.		4 24	7 47	12 5	☽	1 32	
14	Wed.		4 25	7 46	12 5	☽	2 9	
15	Thur.	Swithum, Bp.	4 26	7 45	12 5	☽	2 53	
16	Frid.		4 27	7 45	12 5	☽	● Sets	
17	Sat.		4 28	7 45	12 6	☽	8 19	
18	SUN.	6th Sunday after Trinity.	4 29	7 44	12 6	☽	8 59	
19	Mon.		4 30	7 43	12 6	☽	9 35	
20	Tues.	Margaret Virgin.	4 31	7 43	12 6	☽	10 5	
21	Wed.		4 32	7 42	12 6	☽	10 33	
22	Thur.	Mary Magdalene.	4 33	7 41	12 6	☽	10 59	
23	Frid.		4 34	7 40	12 6	☽	11 26	
24	Sat.		4 35	7 39	12 6	☽	11 55	
25	SUN.	7th Sunday after Trinity. St. James	4 36	7 38	12 6	☽	Morn.	
26	Mon.	St. Anne.	4 37	7 37	12 6	☽	0 29	
27	Tues.		4 38	7 36	12 6	☽	1 8	
28	Wed.		4 39	7 35	12 6	☽	1 55	
29	Thur.		4 40	7 34	12 6	☽	2 51	
30	Frid.		4 41	7 32	12 6	☽	○ Rises	
31	Sat.		4 42	7 31	12 6	☽	8 13	

Sow a few annuals in succession, about the beginning of this month. Greenhouse plants require to be regularly watered, according to the heat. Propagate plants, going out of flower, by cuttings. Earth up beans, peas and potatoes, and destroy weeds everywhere. Put a few layers of your finest carnations to blow in pots. Gather the seed of your spring flowers that are ripe. Pinks and carnations, raised from seed last year, will blow about this time. Lay shoots of those worth preserving, and water them moderately in dry weather. This is the best season for budding rose trees.

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DAYS.

MOON.

R. & S.

○ Rises

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○ Rises

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☾ Last Quarter.....	D. 7	H. 8	M. 32	Evening.
● New Moon.....	15	9	3	Morning.
☽ First Quarter.....	22	1	7	Morning.
○ Full Moon.....	29	10	12	Morning.

DAYS.		Calendar, Aspects, &c.	THE SUN.				MOON.	
M.	WEEK.		Ris.	Sets.	south	P.	R. & S.	
1	SUN.	8th Sunday after Trinity, Lammas	4 45	7 28	12 6	☿	8 43	
2	Mon.		4 46	7 27	12 6	☿	9 9	
3	Tues.	<i>Hot showers,</i>	4 47	7 26	12 6	♃	9 32	
4	Wed.		4 48	7 25	12 6	♃	9 53	
5	Thur.		4 49	7 23	12 6	♄	10 15	
6	Frid.	Transfiguration. <i>Very Changeable</i>	4 50	7 22	12 6	♄	10 37	
7	Sat.	Name of Jesus.	4 51	7 21	12 5	♄	11 2	
8	SUN.	9th Sunday after Trinity. <i>weather.</i>	4 52	7 20	12 5	♄	11 30	
9	Mon.		4 54	7 18	12 5	♃	Morn.	
10	Tues.	Laurence. <i>There will be</i>	4 55	7 17	12 5	♃	0 3	
11	Wed.		4 56	7 16	12 5	♃	0 45	
12	Thur.	<i>a greater amount of</i>	4 57	7 15	12 5	♃	1 34	
13	Frid.	<i>wheat raised</i>	4 58	7 14	12 5	♃	2 32	
14	Sat.	<i>in the</i>	5 0	7 12	12 4	♃	3 38	
15	SUN.	10th Sunday after Trinity.	5 1	7 10	12 4	♃	● Sets	
16	Mon.	<i>Province</i>	5 2	7 8	12 4	♃	8 5	
17	Tues.	<i>than for many</i>	5 3	7 6	12 4	♃	8 34	
18	Wed.	<i>preceding years</i>	5 4	7 4	12 4	♃	9 1	
19	Thur.	<i>and the season for</i>	5 5	7 2	12 3	♃	9 29	
20	Frid.	<i>harvesting</i>	5 6	7 0	12 3	♃	9 57	
21	Sat.	<i>grain</i>	5 7	6 59	12 3	♃	10 30	
22	SUN.	11th Sunday after Trinity.	5 8	6 57	12 3	♃	11 7	
23	Mon.	<i>will be sufficiently</i>	5 9	6 53	12 2	♃	11 52	
24	Tues.	St. Bartholomew. <i>favorable.</i>	5 10	6 53	12 2	♃	Morn.	
25	Wed.		5 12	6 51	12 2	☿	0 44	
26	Thur.	<i>Dry and clear days.</i>	5 13	6 50	12 2	☿	1 43	
27	Frid.		5 14	6 48	12 1	♃	2 48	
28	Sat.	Augustine, Bp.	5 15	6 46	12 1	♃	3 53	
29	SUN.	12th Sunday after Trinity. St. John	5 16	6 44	12 1	♄	○ Rises	
30	Mon.	[the Baptist beheaded.]	5 18	6 42	12 0	♄	7 36	
31	Tues.		5 19	6 40	12 0	♄	7 57	

Attend to your greenhouse plants. Go on propagating plants by cuttings and slips. Transplant strawberries. This is the proper season for budding fruit trees. Cut off all supernumerary shoots from transplanted trees, and train the retained bearers of the next year. Take up your bulbous roots and dry them. Plant the roots again about October. Sow the seeds of bulbous roots in pots. If the weather is moist, transplant into borders your seedling biennials and perennials, which were sown early. In hot weather, shade the root with a garden pot through the day, which remove at night so that the plant may have the benefit of the dew.

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MOON.

R. & S.

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	D.	H.	M.	
☾ Last Quarter.....	6	1	40	Evening.
● New Moon.....	13	5	44	Evening.
☽ First Quarter... ..	20	8	23	Morning.
○ Full Moon.....	28	1	31	Morning.

DAYS.		Calendar, Aspects, &c.	THE SUN.			MOON.	
M.	WEEK.		Ris.	Sets.	souths	P.	R. & S.
1	Wed.	Giles, Abbot	5 21	6 38	12 0	☾	8 18
2	Thur.	<i>Very rainy, and changeable weather</i>	5 22	6 37	11 59	☾	8 40
3	Frid.		5 23	6 35	11 59	☾	9 3
4	Sat.		5 24	6 33	11 59	☾	9 29
5	SUN.	13th Sunday after Trinity.	5 26	6 31	11 58	☾	10 0
6	Mon.	<i>weather</i>	5 27	6 29	11 58	☾	10 37
7	Tues.		Enurchus, Bishop.	5 28	6 27	11 58	☾
8	Wed.	Nativity of V. Mary. <i>up to the</i>	5 29	6 25	11 57	☾	Morn.
9	Thur.	<i>time of New Moon</i>	5 30	6 23	11 57	☾	0 14
10	Frid.		5 32	6 21	11 57	☾	1 16
11	Sat.		5 34	6 20	11 56	☾	2 25
12	SUN.	14th Sunday after Trinity. <i>on the</i>	5 36	6 18	11 56	☾	3 39
13	Mon.	13th.	5 38	6 16	11 56	☾	● Sets
14	Tues.	Holy Cross Day.	5 39	6 14	11 55	☾	7 2
15	Wed.	<i>The succeeding fifteen days will be</i>	5 40	6 12	11 55	☾	7 29
16	Thur.		5 41	6 10	11 55	☾	7 58
17	Frid.		Lambert, Bishop.	5 42	6 8	11 54	☾
18	Sat.	15th Sunday after Trinity.	5 43	6 4	11 54	☾	9 6
19	SUN.		5 44	6 2	11 54	☾	9 48
20	Mon.	St. Matthew, Ap. <i>fair and favorable for farmers' work.</i>	5 46	6 0	11 53	☾	10 39
21	Tues.		5 46	5 58	11 53	☾	11 38
22	Wed.		5 47	5 56	11 53	☾	Morn.
23	Thur.	<i>favorable for farmers' work.</i>	5 48	5 54	11 52	☾	0 39
24	Frid.		5 50	5 52	11 52	☾	1 42
25	Sat.	16th Sun. after Trinity. St. Cyprian	5 51	5 51	11 51	☾	2 50
26	SUN.		5 52	5 49	11 51	☾	3 55
27	Mon.	<i>Fair and pleasant days.</i>	5 53	5 47	11 51	☾	4 54
28	Tues.		5 54	5 45	11 50	☾	○ Rises
29	Wed.		St. Michael.	5 55	5 44	11 50	☾
30	Thur.	St. Jerom, C. D.	5 56	5 43	11 50	☾	7 7

Continue transplanting evergreens and strawberries. Prepare ground for transplanting and fall sowing. Propagate plants by cuttings. Remove all plants to the greenhouse, for the winter, during this month. Take up onions, &c., as they ripen. Collect seeds as they ripen, choose a dry day for gathering them, if put away in a damp state they are apt to decay; from carelessness in this respect, great disappointment often accrues. Some seeds ought to be gathered a little before they are ripe, otherwise, they will be entirely lost. Begin to prepare composts for spring use.

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This day the Railroad was opened
 from Richmond to ~~the~~ Shelbrook,
 and on the 11 of July 1853 it
 was opened to Glades Pond
 from Shelbrook and from there
 it had been opened to Porters

MOON.

R. & S.

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	D.	H	M.	
☾ Last Quarter	6	5	42	Morning.
● New Moon.....	13	2	20	Morning.
☽ First Quarter.....	19	7	2	Evening.
○ Full Moon.....	27	7	0	Evening.

DAYS.		Calendar, Aspects, &c.	THE SUN.			MOON.	
M.	WEEK.		Ris.	Sets.	souths	P.	R. & S.
1	Frid.	Remigius Bp.	5 58	5 41	11 50	♄	7 31
2	Sat.	<i>Raw and</i>	6 0	5 39	11 49	♄	7 59
3	SUN.	17th Sunday after Trinity.	6 1	5 37	11 49	♄	8 33
4	Mon.	<i>cold winds</i>	6 2	5 35	11 49	♄	9 13
5	Tues.	<i>with</i>	6 3	5 33	11 48	♄	10 2
6	Wed.	Faith V. and M. <i>frequent</i>	6 4	5 32	11 48	♄	10 58
7	Thur.		6 5	5 30	11 48	♄	Morn.
8	Frid.	<i>rains.</i>	6 7	5 28	11 47	♄	0 3
9	Sat.	St. Denys Bp.	6 8	5 26	11 47	♄	1 13
10	SUN.	18 Sunday after Trinity.	6 9	5 24	11 47	♄	2 27
11	Mon.	<i>Variable weather</i>	6 11	5 23	11 47	♄	3 45
12	Tues.	<i>will continue</i>	6 13	5 21	11 46	♄	5 3
13	Wed.	Trans. of King Edward conf.	6 14	5 19	11 46	♄	● Sets
14	Thur.	<i>until about</i>	6 16	5 17	11 46	♄	6 16
15	Frid.	<i>the 19th.</i>	6 18	5 15	11 46	♄	7 1
16	Sat.		6 19	5 14	11 46	♄	7 42
17	SUN.	19th Sunday after Trinity.	6 20	5 12	11 45	♄	8 31
18	Mon.	St. Luke Evening.	6 21	5 11	11 45	♄	9 27
19	Tues.	<i>After which</i>	6 22	5 9	11 45	♄	10 29
20	Wed.		6 23	5 7	11 45	♄	11 35
21	Thur.	<i>the weather will</i>	6 24	5 6	11 45	♄	● Morn.
22	Frid.	<i>be chiefly</i>	6 26	5 4	11 44	♄	0 41
23	Sat.	<i>fair and</i>	6 28	5 2	11 44	♄	1 46
24	SUN.	20th Sunday after Trinity. <i>clear</i>	6 30	5 0	11 44	♄	2 50
25	Mon.	Crispin Mart.	6 31	4 58	11 44	♄	3 52
26	Tues.	<i>during the</i>	6 32	4 57	11 44	♄	4 53
27	Wed.	<i>remainder of</i>	6 34	4 55	11 44	♄	○ Rise
28	Thur.	St. Simon and St. Jude. <i>the</i>	6 35	4 53	11 44	♄	5 35
29	Frid.	<i>month.</i>	6 36	4 52	11 44	♄	6 2
30	Sat.		6 37	4 51	11 44	♄	6 33
31	SUN.	21st Sunday after Trinity.	6 38	4 50	11 44	♄	7 10

This is the best month for transplanting fruit and forest trees. Attend to and take in all your greenhouse plants early. Save the seeds of all vegetables and annuals. Take up and secure your vegetables as they ripen. Prepare your soil for early forcing. Gather in and store up your fruit. Unnail and loosen, for a short time, the branches of your wall-trees, to give air and freedom of action to them, and destroy the deposits of all sorts of vermin. Take up your dahlia roots after the first frost. Plant bulbous roots this month. Anemonies and ranunculuses, which are intended to flower early, should be planted about the middle of the month, unless the soil be cold and wet, in which case they may be put down in March. In severe weather cover them with straw or mats,

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MOON.

P. R. & S.

7 31
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 ● Sets
 6 16
 7 1
 7 42
 8 31
 9 27
 10 29
 11 35
 Morn.
 0 41
 1 46
 2 50
 3 52
 4 53
 ○ Rises
 5 35
 6 2
 6 33
 7 10

The first frost to be seen this year

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	D.	H.	M.	
☾ Last Quarter.....	4	7	46	Evening.
● New Moon.....	11	11	46	Morning.
☽ First Quarter.....	18	9	33	Morning.
○ Full Moon.....	26	1	47	Evening.

DAYS.	WEEK.	Calendar, Aspects, &c.	THE SUN.				MOON.	
			Ris.	Sets	souths	P.	R. & S.	
1	Mon.	All Saints' Day.	6 39	4 48	11 44	☾	7 55	
2	Tues.	<i>If the wind be north or north-east,</i>	6 40	4 46	11 44	☽	8 48	
3	Wed.		6 42	4 44	11 44	☽	9 48	
4	Thur.		6 43	4 43	11 44	☾	10 54	
5	Frid.		Papists' Conspiracy.	6 45	4 42	11 44	☽	Morn.
6	Sat.	Leonard Conf. <i>the weather</i>	6 47	4 41	11 44	☽	0 5	
7	SUN.	22d Sunday after Trinity. <i>will</i>	6 48	4 39	11 44	☽	1 18	
8	Mon.	<i>be fair and frosty,</i>	6 49	4 38	11 44	☽	2 34	
9	Tues.		6 50	4 37	11 44	☽	3 52	
10	Wed.		6 52	4 36	11 44	☽	5 12	
11	Thur.	St. Martin Bishop.	6 53	4 35	11 44	☽	● Sets.	
12	Frid.	<i>if south or</i>	6 54	4 34	11 45	☽	5 30	
13	Sat.	Britius Bp.	6 55	4 33	11 45	☽	6 17	
14	SUN.	23d Sunday after Trinity. <i>south</i>	6 57	4 32	11 45	☽	7 12	
15	Mon.	Machutus Bp. <i>west cold & rainy.</i>	6 59	4 30	11 45	☽	8 14	
16	Tues.	Hugh Bp.	7 0	4 29	11 45	☽	9 20	
17	Wed.		7 1	4 28	11 45	☽	10 28	
18	Thur.		<i>Cold rains</i>	7 2	4 27	11 45	☽	11 34
19	Frid.		7 4	4 26	11 45	☽	Morn.	
20	Sat.	Edmund K. & M. <i>and sleet.</i>	7 6	4 25	11 45	☽	0 39	
21	SUN.	24th Sunday after Trinity.	7 9	4 24	11 46	☽	1 42	
22	Mon.	Cecilia V. & M.	7 10	4 23	11 46	☽	2 43	
23	Tues.	Clement Bishop.	7 11	4 22	11 47	☽	3 45	
24	Wed.	<i>Cold days,</i>	7 12	4 21	11 47	☽	4 46	
25	Thur.		Catherine Virgin.	7 13	4 21	11 47	☽	5 47
26	Frid.	<i>with very high</i>	7 14	4 20	11 48	☽	● Rise.	
27	Sat.		7 15	4 20	11 48	☽	5 11	
28	SUN.		Advent Sunday.	7 16	4 20	11 48	☽	5 53
29	Mon.	<i>winds.</i>	7 17	4 19	11 49	☽	6 53	
30	Tues.		St. Andrew, Apost.	7 18	4 19	11 49	☽	7 40

Secure every department for the coming winter. Attend to your green house; water sparingly, and give air when the weather will permit. Transplant fruit and forest trees. Protect all tender plants. Dig and lay out borders for the winter. Prune such shrubs as require it. Take off all suckers where they are not wanted. Manure all soils that are exhausted or worn out. Cover over with straw, and protect all plants likely to suffer from severe rains and frosts, otherwise the plants will rot and die.

1852.]

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Cold

	D.	H.	M.	
☾ Last Quarter.....	4	7	28	Morning.
● New Moon.....	10	10	37	Evening.
☽ First Quarter.....	18	3	45	Morning.
○ Full Moon.....	26	8	16	Morning.

DAYS.		Calendar, Aspects, &c.	THE SUN.			MOON.	
M.	WEEK.		Ris.	Sets.	souths	P.	R. & S.
1	Wed.		7 20	4 18	11 49	☾	8 44
2	Thur.		7 21	4 18	11 50	☾	9 52
3	Frid.	<i>Stormy weather</i>	7 22	4 18	11 50	☾	11 2
4	Sat.	<i>to</i>	7 23	4 18	11 51	☾	Morn.
5	SUN.	2d Sunday in Advent <i>the time</i>	7 24	4 18	11 51	☾	0 14
6	Mon.	Nicholas, Bishop.	7 26	4 17	11 52	☾	1 27
7	Tues.	<i>of New Moon</i>	7 27	4 17	11 52	☾	2 43
8	Wed.	Conception, B. V. M.	7 28	4 17	11 52	☾	4 1
9	Thur.	<i>on the 10th</i>	7 29	4 17	11 53	☾	5 22
10	Frid.		7 30	4 17	11 54	☾	● Sets
11	Sat.		7 31	4 17	11 54	☾	4 52
12	SUN.	3d Sunday in Advent <i>Rain or</i>	7 32	4 17	11 55	☾	5 52
13	Mon.	Lucy, Virgin and Martyr. <i>snow</i>	7 33	4 17	11 55	☾	6 59
14	Tues.	<i>if the wind</i>	7 34	4 17	11 56	☾	8 9
15	Wed.		7 34	4 17	11 56	☾	9 8
16	Thur.	O'Sapientia. <i>be south or</i>	7 35	4 17	11 57	☾	10 26
17	Frid.	<i>south west.</i>	7 35	4 18	11 57	☾	11 31
18	Sat.		7 36	4 18	11 58	☾	Morn.
19	SUN.	4th Sunday in Advent	7 36	4 18	11 58	☾	0 34
20	Mon.		7 37	4 18	11 59	☾	1 35
21	Tues.	St. Thomas, Apostle. <i>The latter</i>	7 37	4 19	11 59	☾	2 36
22	Wed.		7 38	4 19	12 0	☾	3 37
23	Thur.	<i>part of this</i>	7 38	4 19	12 0	☾	4 38
24	Frid.	<i>month</i>	7 39	4 20	12 1	☾	5 40
25	Sat.	Christmas Day. <i>will</i>	7 39	4 20	12 1	☾	6 39
26	SUN.	Sunday after Christmas, St. Steven.	7 40	4 20	12 2	☾	○ Rise
27	Mon.	St. John. <i>be cold</i>	7 40	4 21	12 2	☾	5 33
28	Tues.	Innocent's Day.	7 40	4 22	12 3	☾	6 36
29	Wed.	<i>and stormy</i>	7 41	4 23	12 4	☾	7 42
30	Thur.		7 41	4 24	12 4	☾	8 52
31	Frid.	Silvester, Bishop.	7 41	4 25	12 4	☾	10 3

Attend to your greenhouse plants, and water sparingly. More attention is requisite for their preservation during this month, than at any other season. Raise large trees with balls of earth at the roots. Examine carefully your vegetables and fruit, removing every decayed article from among them. The frame plants must be attended to, they must have air when the weather is mild, and be protected with mats from the frost. More attention is now being paid to gardening, in this country. Our Horticultural Societies are strenuously exerting themselves, by their exhibitions, to awaken public attention, and the Garden and Greenhouse will ere long be places of much pleasure and attraction.

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DAYS.

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MEMORANDUM FOR DECEMBER.

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To day steam boat left at Annapolis and to Washington by rail road

The first snow of day this fall. Let the paper out

MOON.

R. & S.

8	44
9	52
11	2
Morn.	
0	14
1	27
2	43
4	1
5	22
Sets	
4	52
5	52
6	59
8	9
9	8
10	26
11	31
Morn.	
0	34
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6	39
Rises	
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A TABLE

Shewing the greatest Eastern or Western Azimuths of a, Ursæ Minoris (Polaris,) for the 15th day of each month in the year 1852, to the nearest Second of a Degree; and calculated for each Minute of Latitude, from the 43rd to the 47th Degree 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.	Polar distances	Azimuths.												
		Lat. 43°.			Lat. 44°.			Lat. 45°.			Lat. 46°.			
		o	'	"	o	'	"	o	'	"	o	'	"	o
January,.....	1 28 32	2 1 4	2 2 4	2 3 5	2 4 10	2 5 15	2 6 19	2 7 28	2 8 38	2 9 50				
February.....	1 28 35	2 1 8	2 2 8	2 3 9	2 4 14	2 5 19	2 6 23	2 7 32	2 8 42	2 9 54				
March.....	1 28 42	2 1 18	2 2 18	2 3 19	2 4 24	2 5 29	2 6 34	2 7 43	2 8 53	2 10 5				
April.....	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 19				
May.....	1 29 0	2 1 42	2 2 42	2 3 44	2 4 48	2 5 53	2 7 0	2 8 9	2 9 19	2 10 31				
June.....	1 29 4	2 1 48	2 2 48	2 3 50	2 4 54	2 5 59	2 7 6	2 8 15	2 9 25	2 10 37				
July.....	1 29 2	2 1 45	2 2 45	2 3 47	2 4 51	2 5 56	2 7 3	2 8 12	2 9 22	2 10 34				
August.....	1 28 56	2 1 37	2 2 38	2 3 39	2 4 43	2 5 48	2 6 54	2 8 3	2 9 13	2 10 25				
September.....	1 28 46	2 1 23	2 2 23	2 3 24	2 4 29	2 5 34	2 6 39	2 7 48	2 8 58	2 10 10				
October.....	1 28 35	2 1 8	2 2 8	2 3 9	2 4 14	2 5 19	2 6 23	2 7 32	2 8 42	2 9 54				
November.....	1 28 24	2 0 53	2 1 53	2 2 54	2 3 57	2 5 2	2 6 8	2 7 16	2 8 26	2 9 38				
December.....	1 28 16	2 0 42	2 1 42	2 2 43	2 3 46	2 4 51	2 5 57	2 7 5	2 8 15	2 9 26				
Interval from Merid. passage,	H. M. S. 5 53 25	H. M. S. 5 53 19	H. M. S. 5 53 13	H. M. S. 5 53 7	H. M. S. 5 53 0	H. M. S. 5 52 54	H. M. S. 5 52 47	H. M. S. 5 52 41	H. M. S. 5 52 34					
Mean diff. of Azimuth for 1 of Lat.	2 01	2 04	2 14	2 17	2 19	2 29	2 33	2 39						

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 time of such passage, Azimuth, West or East of the Meridian.

The well known diminished temperature of London, after correction to the English feet, varies from 10 to 15 degrees below the zero of the thermometer, and is necessary to depart from the French Meas-

The Me of Franc England tively, b indiscrim in Acts nience, a yas much constructe In assu bears to Transacti authority. 1065,75 1 difference gives it, 1 feet of Part decidedly i as given in of its super The den et in the T in Superfici Arpens and parts of the cases where The Tois in France, i Cubic Meas in the Table Perch, and bles, by taki The follow French Mea

French and English Measures.

THE Measures used in the Seigniorial parts of Canada are those of France, while, in the Townships, the Standard Measures of England are adopted. The relation these measures, respectively, bear to each other, is generally but little understood, and indiscriminate reference to them in legal instruments, and even in Acts of the Legislature, has often caused much inconvenience, and many cases of litigation in the country; to remedy (as much as possible) those evils, the following Tables have been constructed.

In assuming the relation the *Pied de Paris* or Paris Foot bears to the English Foot, that given in the "*Philosophical Transactions*," vol. 58, page 326, has been taken as the best authority. By this it appears that 1000 French, are equal to 1065,75 English, feet. In this Province, for some years, the difference was accounted still greater than the above analogy gives it, 1068 English feet being considered as equal to 1000 feet of Paris. This last proportion, however, was found to be decidedly incorrect, and the care with which that was ascertained, as given in the *Philosophical Transactions*, can leave no doubt of its superior exactness.*

The denominations of French measures of distance, introduced in the Tables are Leagues, Arpens, Perches, Feet, and Inches; in Superficial or Square Measure, the only French Measures are Arpens and Perches, as applied to Land Measure, with decimal parts of the lesser denomination used in the Equivalents in all cases where they may occur, in the measures of either species.

The *Toise*, although much used by practical Geometricians in France, is seldom referred to in Canada, except in Solid or Cubic Measure, and is therefore not included among those used in the Tables. It consists of 6 French Feet or *one-third* of a Perch, and its value may thence be easily obtained from the Tables, by taking its equivalent in any other given denomination.

The following Table may be useful to those, not familiar with French Measures.

Inches.	Feet.	Perches	Arpens.	League.
12 =	1 =	0 =	0 =	0 =
216 =	18 =	1 =	0 =	0 =
2160 =	180 =	10 =	1 =	0 =
181440 =	3240 =	840 =	84 =	1 =

*The well known property of different metals to expand or contract in increased or diminished temperatures, as compared with those at which the measures of the standard feet of London and Paris are respectively taken, has caused some to apply a further correction to the above relation between their values, by which 1065.79 nearly, of English feet, would be equal to 1000 feet of Paris. The extreme smallness of this correction, amounting to less than a unit in 26,000, seemed to render it unnecessary to depart from the general authorities in the compilation of the Tables.

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 Azimuth of the Sun at the time required.

TABLE I.

For converting French Feet and Inches into English Feet and Inches, and into English Statute Chains and Links.

LINEAL MEASURE.

French.		English.				French.		English.			
Feet.	Inches.	Feet.	Inches.	Chains.	Links.	Feet.	Feet.	Inches.	Chains.	Links.	
0	1	0	1.066	0	0.135	14	14	11.046	0	22.607	
0	2	0	2.132	0	0.269	15	15	11.835	0	24.222	
0	3	0	3.197	0	0.404	16	17	0.624	0	25.836	
0	4	0	4.263	0	0.538	17	18	1.413	0	27.451	
0	5	0	5.329	0	0.673	18	19	2.202	0	29.066	
0	6	0	6.395	0	0.807	19	20	2.991	0	30.681	
0	7	0	7.460	0	0.942	20	21	3.780	0	32.295	
0	8	0	8.526	0	1.077	30	31	11.670	0	48.443	
0	9	0	9.592	0	1.211	40	42	7.560	0	64.591	
0	10	0	10.658	0	1.346	50	53	3.450	0	80.739	
0	11	0	11.723	0	1.480	60	63	11.340	0	96.886	
1	0	1	0.789	0	1.615	70	74	7.230	1	13.034	
2	0	2	1.578	0	3.230	80	85	3.120	1	29.182	
3	0	3	2.367	0	4.844	90	95	11.010	1	45.330	
4	0	4	3.156	0	6.459	100	106	6.900	1	61.477	
5	0	5	3.945	0	8.074	200	213	1.800	3	22.955	
6	0	6	4.734	0	9.689	300	319	8.700	4	84.432	
7	0	7	5.523	0	11.303	400	426	3.600	6	45.909	
8	0	8	6.312	0	12.918	500	532	10.500	8	7.386	
9	0	9	7.101	0	14.533	600	639	5.400	9	68.864	
10	0	10	7.890	0	16.148	700	746	0.300	11	30.341	
11	0	11	8.679	0	17.762	800	852	7.200	12	91.818	
12	0	12	9.468	0	19.377	900	959	2.100	14	53.295	
13	0	13	10.257	0	20.992	1000	1065	9.000	16	14.773	

EXAMPLE I.

In 360 feet 10 inches French measure, how many English feet?

	Feet.	Inches.
300 feet	= 319	8.78
60 feet	= 63	11.34
10 inches	= 0	10.66

Answer,..... 384 6.70

EXAMPLE II.

In 13 feet 11 inches French measure, how many chains and links?

	Chains.	Links.
13 feet	= 0	20.992
11 inches	= 0	1.480

Answer,..... 0 22.472

In 384 feet 6 inches French?

See the conve

TABLE II.

For converting English Feet and Inches into French Feet and Inches.

LINEAL MEASURE.

English.		French.		English.		French.	
Feet.	Inches.	Feet.	Inches.	Feet.	Inches.	Feet.	Inches.
0	1	0	0.94	10	9	4.60	
0	2	0	1.88	20	18	9.19	
0	3	0	2.81	30	28	1.79	
0	4	0	3.75	40	37	6.39	
0	5	0	4.69	50	46	10.98	
0	6	0	5.63	60	56	3.58	
0	7	0	6.57	70	65	8.18	
0	8	0	7.51	80	75	0.77	
0	9	0	8.44	90	84	5.37	
0	10	0	9.38	100	93	9.97	
0	11	0	10.32	200	187	7.94	
1	00	0	11.26	300	281	5.90	
2	00	1	10.52	400	375	3.87	
3	00	2	9.78	500	469	1.84	
4	00	3	9.04	600	562	11.81	
5	00	4	8.30	700	656	9.77	
6	00	5	7.56	800	750	7.74	
7	00	6	6.82	900	844	5.71	
8	00	7	6.08	1000	938	3.68	
9	00	8	5.34				

EXAMPLE.

In 384 feet 6 7-10 inches of English measure, how many feet, &c. French?

	Feet.	Inches.
300 feet	= 281	5.90
80 do	= 75	0.07
4 do	= 3	9.04
6 inches	= 0	5.63
7-10 do.	= 0	66

Answer,..... 360 10,00

See the converse of the above example at the end of Table I.

Links.
22.607
24.222
25.836
27.451
29.066
30.681
32.295
48.443
64.591
80.739
96.886
13.034
29.182
45.330
61.477
22.955
84.432
45.909
7.386
68.864
30.341
91.818
53.295
14.773

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TABLE IV.

For converting English Miles, Chains, and Links into French Leagues, Arpens, Perches, and Feet.

LINEAL MEASURE.

English.			French.				English.			French.			
Miles.	Chains.	Links.	League.	Arpens.	Perches.	Feet.	Miles.	League.	Arpens.	Perches.	Feet.		
0	0	1	0	0	0	0.62	8	2	52	1	16.06		
0	0	2	0	0	0	1.24	9	2	79	7	2.32		
0	0	3	0	0	0	1.86	10	3	23	2	6.58		
0	0	4	0	0	0	2.48	20	6	46	4	13.15		
0	0	5	0	0	0	3.10	30	9	69	7	1.73		
0	0	6	0	0	0	3.72	40	13	8	9	8.30		
0	0	7	0	0	0	4.34	50	16	32	1	14.88		
0	0	8	0	0	0	4.96	60	19	55	4	3.45		
0	0	9	0	0	0	5.57	70	22	78	6	10.03		
0	0	10	0	0	0	6.19	80	26	17	8	16.61		
0	0	20	0	0	0	12.39	90	29	41	1	5.18		
0	0	30	0	0	1	0.58	100	32	64	3	11.76		
0	0	40	0	0	1	6.77	200	65	44	7	5.51		
0	0	50	0	0	1	12.96	300	98	25	0	17.27		
0	0	60	0	0	2	1.16	400	131	5	4	11.03		
0	0	70	0	0	2	7.35	500	163	69	8	4.78		
0	0	80	0	0	2	13.54	600	196	50	1	16.54		
0	0	90	0	0	3	1.74	700	229	30	5	10.30		
0	1	0	0	0	3	7.93	800	262	10	9	4.05		
0	2	0	0	0	6	15.86	900	294	75	2	15.81		
0	3	0	0	1	0	5.78	1000	327	55	6	9.57		
0	4	0	0	1	3	13.71							
0	5	0	0	1	7	3.64							
0	6	0	0	2	0	11.57							
0	7	0	0	2	4	1.50							
0	8	0	0	2	7	9.43							
0	9	0	0	3	0	17.35							
0	10	0	0	3	4	7.28							
0	20	0	0	6	8	14.56							
0	30	0	0	10	3	3.85							
0	40	0	0	13	7	11.13							
0	50	0	0	17	2	0.41							
0	60	0	0	20	6	7.69							
0	70	0	0	24	0	14.98							
1	0	0	0	27	5	4.26							
2	0	0	0	55	0	8.52							
3	0	0	0	82	5	12.77							
4	0	0	1	26	0	17.03							
5	0	0	1	53	6	3.29							
6	0	0	1	81	1	7.55							
7	0	0	2	24	6	11.80							

EXAMPLE.

In 155 mls. 12 chs. 88 68 100ths links, English measure, how many French leagues, &c. ?

	L.	A.	P.	Feet.
100 miles	=	32	64	3 11.76
50 do.	=	16	32	1 14.88
5 do.	=	1	53	6 3.29
10 chains	=	0	3	4 7.28
2 do.	=	0	0	6 15.84
80 links	=	0	0	2 13.54
8 do.	=	0	0	0 4.96
0.68 do.	=	0	0	0 0.43

Answer, ... 50 70 6 0.00

English Miles, Chains, Links.
39.54
46.14
52.73
15.36
30.73
46.09
61.45
76.81
92.18
07.54
22.90
38.26
53.63
07.25
60.88
14.51
68.14
21.76
75.39
29.02
82.64
36.27
How many

TABLE VI.

For converting English Acres, Roods and Perches into French Arpens and Perches.

SUPERFICIAL, OR SQUARE MEASURE.

English.			French.		English.			French.	
Acres.	Roods.	Perches.	Arpens.	Perches.	Acres.	Arpens.	Perches.	Arpens.	Perches.
0	0	1	0	0.74	8	9	46.94		
0	0	2	0	1.48	9	10	65.31		
0	0	3	0	2.22	10	11	83.67		
0	0	4	0	2.96	20	23	67.35		
0	0	5	0	3.70	30	35	51.02		
0	0	6	0	4.44	40	47	34.70		
0	0	7	0	5.18	50	59	18.37		
0	0	8	0	5.92	60	71	2.05		
0	0	9	0	6.66	70	82	85.72		
0	0	10	0	7.40	80	94	69.39		
0	0	20	0	14.80	90	106	53.07		
0	0	30	0	22.19	100	118	36.74		
0	1	0	0	29.59	200	236	73.48		
0	2	0	0	59.18	300	355	10.23		
0	3	0	0	88.78	400	473	46.97		
1	0	0	1	18.37	500	591	83.71		
2	0	0	2	36.73	600	710	20.45		
3	0	0	3	55.10	700	828	59.19		
4	0	0	4	73.47	800	946	93.94		
5	0	0	5	91.84	900	1065	30.68		
6	0	0	7	10.20	1000	1183	67.42		
7	0	0	8	28.57					

EXAMPLE.

In 270 acres 1 rood and 28 to 6.100 perches English measure, how many arpens, &c. ?

200	acres	=	236	73.48
70	acres	=	82	85.72
1	rood	=	0	29.59
20	perches	=	0	14.80
8	perches	=	0	5.92
66-100	perches	=	0	49

Answer,..... 320 10.00

See the converse of this example at the end of Table V.

c. ?

CURRENCY TABLE.

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

POUNDS.				POUNDS.				POUNDS.				POUNDS.				POUNDS.				SHILLINGS.			PENCE.				
Stg.	Currency.			Stg.	Currency.			Stg.	Currency.			Stg.	Currency.			Stg.	Currency.			Stg.	Currency.		Stg.	Currency.			
£	£	s	d.	£	£	s.	d.	£	£	s.	d.	£	£	s.	d.	s.	£	s.	d.	d.	£	s.	d.				
1	1	4	4	21	25	11	0	41	49	17	8	61	74	4	4	81	98	11	0	1	0	1	3	1	0	0	1½
2	2	8	8	22	26	15	4	42	51	2	0	62	75	8	8	82	99	15	4	2	0	2	5½	2	0	0	2½
3	3	13	0	23	27	19	8	43	52	6	4	63	76	13	0	83	100	19	8	3	0	3	8¼	3	0	0	3¾
4	4	17	4	24	29	4	0	44	53	10	8	64	77	17	4	84	102	4	0	4	0	4	10½	4	0	0	5
5	6	1	8	25	30	8	4	45	54	15	0	65	79	1	8	85	103	8	4	5	0	6	1	5	0	0	6¼
6	7	6	0	26	31	12	8	46	55	19	4	66	80	6	0	86	104	12	8	6	0	7	3¾	6	0	0	7½
7	8	10	4	27	32	17	0	47	57	3	8	67	81	10	4	87	105	17	0	7	0	8	6½	7	0	0	9
8	9	14	8	28	34	1	4	48	58	8	0	68	82	14	8	88	107	1	4	8	0	9	9	8	0	0	10
9	10	19	0	29	35	5	8	49	59	12	4	69	83	19	0	89	108	5	8	9	0	10	11¼	9	0	0	11¼
10	12	3	4	30	36	10	0	50	60	16	8	70	85	3	4	90	109	10	0	10	0	12	2	10	0	1	0½
11	13	7	8	31	37	14	4	51	62	1	0	71	86	7	8	91	110	14	4	11	0	13	4¾	11	0	1	1¼
12	14	12	0	32	38	18	8	52	63	5	4	72	87	12	0	92	111	18	8	12	0	14	7½	12	0	1	3
13	15	16	4	33	40	3	0	53	64	9	8	73	88	16	4	93	113	3	0	13	0	15	10¼				
14	17	0	8	34	41	7	4	54	65	14	0	74	90	0	8	94	114	7	4	14	0	17	1				
15	18	5	0	35	42	11	8	55	66	18	4	75	91	5	0	95	115	11	8	15	0	18	3				
16	19	9	4	36	43	16	0	56	68	2	8	76	92	9	4	96	116	16	0	16	0	19	5¾				
17	20	13	8	37	45	0	4	57	69	7	0	77	93	13	8	97	118	0	4	17	1	0	8½				
18	21	18	0	38	46	4	8	58	70	11	4	78	94	18	0	98	119	4	8	18	1	1	11½				
19	23	2	4	39	47	9	0	59	71	15	8	79	96	2	4	99	120	9	0	19	1	3	1½				
20	24	6	8	40	48	13	4	60	73	0	0	80	97	6	8	100	121	13	4	20	1	4	4				

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

45

