

310

FARMERS' ALMANAC,

FOR THE YEAR OF OUR LORD

1849:

BEING THE FIRST AFTER BISSEXTILE,
AND UNTIL THE
FOURTH OF JULY,
The 73d Year of the Independence
OF THE UNITED STATES.

Calculated for the Horizon and Meridian of New Jersey,
IN-EQUAL OR CLOCK TIME.

BY DAVID YOUNG, PHILOM.



TRENTON, N. J.

PUBLISHED AND SOLD WHOLESALE AND RETAIL BY
CHARLES SCOTT.

0
J311
A11
1849
C11

THE ANATOMY OF MAN'S BODY,
AS GOVERNED BY THE TWELVE CONSTELLATIONS.

♈ Head and Face.

Arms
♊

Heart.
♌

Reins.
♎

Thigh.
♏

Legs.
♐



Neck.
♈

Breast.
♋

Bowels.
♌

Secrets.
♍

Knees.
♎

♋ Feet.

To know where the Sign is, find the day of the month, and against the day in the 4th column, you have the sign or place of the Moon: then find the sign here, and it will give you what part of the body it governs.

Names and Characters of the Signs of the Zodiac.

♈ (Aries,) a Ram.	♎ (Libra) a Balance.
♉ (Taurus,) a Bull.	♏ (Scorpio) a Scorpion.
♊ (Gemini,) Twins.	♐ (Sagittarius,) an Archer.
♋ (Cancer,) a Crab Fish.	♑ (Capricornus,) a Goat.
♌ (Leo,) a Lion.	♒ (Aquarius,) a Butler
♍ (Virgo,) a Virgin.	♓ (Pisces,) Fish.

PRINCIPAL ARTICLES.

CHRONOLOGICAL CYCLES.

Dominical Letter,	G
Golden Number,	7
Epact,	6
Solar Cycle,	10
Roman Indiction,	7
Julian Period,	6562

MOVEABLE FEASTS.

Easter Sunday,	April 8
Rogation Sunday,	May 13
Ascension day,	May 17
Whit-Sunday,	May 27
Trinity Sunday,	June 3
Advent Sunday,	Dec. 2

0
J 310
A 11

Characters and Names of the Aspects, with the Angles which they include.

<i>Aspects.</i>	<i>Deg.</i>	<i>Aspects.</i>	<i>Deg.</i>
♌ Conjunction	0	* Sextile (obsolete.)	60
♍ Opposition	180	Nodes.	
♎ Trine (obsolete.)	120	♊ Ascending } Node.	
♏ Quartile	90	♋ Descending }	

Characters and Names of the Planets, with their Diameters, Mean Distances from the Sun, and the times of their respective Revolutions.

<i>Character & Names.</i>	<i>Diameters in miles.</i>	<i>Mean dis. from the sun in miles.</i>	<i>Revolution round the sun in days</i>
☉ The Sun	892,163		
☿ Mercury	2,999	36,841,327	87.969258
♀ Venus	7,660	68,841,768	224.700787
♁ The Earth	7,964	95,178,127	365.256384
♂ Mars	4,113	145,014,532	686.979646
♃ Jupiter	92,572	495,164,461	4,332.585117
♄ Saturn	75,304	907,834,568	10,758.322161
♃ Herschel	34,585	1,825,735,123	30,688.712687
☾ The Moon:	2,174	Same as earth.	Same as earth.

NOTE.—With regard to bulk, the Sun is equal to 1,405,851 of the Earth; Jupiter, to 1,570; Saturn, to 845; and Herschel, to nearly 82. The Earth is equal to 19 of Mercury, to 7 of Mars, or to 49 of the Moon. Nine times the bulk of Venus is equal to eight times that of the Earth.

CUSTOMARY NOTES.

1. Venus (♀) will be Evening Star until May 12th, then Morning Star until March 2, 1850.
2. The Moon will run highest, this year, about the 7th degree of (♋) Cancer; and lowest about the 7th degree of (♏) Capricorn.
3. Latitude of Herschel (♃) about 36' south this year.
4. Longitude of the Moon's Ascending Node (♊) in the middle of this year, 5 signs, 6 degrees.
5. Mean obliquity of the Ecliptic in the middle of this year 23° 27' 32.2". True obliquity, same time, 23° 27' 23.2".

EQUINOXES AND SOLSTICES.

	D.	H.	M.	
Vernal Equinox	March	20	0	17 Even.
Summer Solstice	June	21	9	12 Morn.
Autumnal Equinox	September	22	11	7 Even.
Winter Solstice	December	21	4	46 Even.

5310
A 11
(1849.) c. 1

ECLIPSES.

—000—

There will be two Eclipses of the Sun, and two of the Moon, this year.

I. There will be an Eclipse of the Sun on the 22d of February, at Sh. 34m. in the evening, invisible. Visible in the eastern parts of Asia, the North Pacific Ocean, and Russian America. It will be central and annular on the meridian in longitude $153^{\circ} 9'$ east from Greenwich, and latitude $41^{\circ} 22'$ north.

II. There will be an Eclipse of the Moon on Thursday, March 8th, in the evening, visible.

Beginning	-	-	-	6 h.	29 m.
Middle	-	-	-	7 "	59 "
End	-	-	-	9 "	29 "
Duration	-	-	-	3 "	0 "

Magnitude, 8.86 digits on the Moon's southern limb.

III. There will be an Eclipse of the Sun on Saturday, August 18th, at Oh. 37m. in the morning, invisible. It will be visible in most of the Indian Ocean, in the south-eastern part of Africa, in Madagascar, and in the southern parts of Australia. It will be central and total on the meridian in longitude 91° east from Greenwich, and latitude $36^{\circ} 8'$ south.

IV. There will be an Eclipse of the Moon on Sunday, Sept. 2d, at Oh. 22m. in the afternoon, invisible here. Visible in the opposite hemisphere. Magnitude, 7.09 digits on the Moon's northern limb.

—••••—

A T A B L E

Showing, to the nearest second, what time it ought to be by a Clock when the sun's centre is on the meridian, once in every four days.

D.	January		February		March		April		May		June		D.
	H.	M. S.	H.	M. S.	H.	M. S.	H.	M. S.	H.	M. S.	H.	M. S.	
1	eve	4 4	0 13	58	0 12	32	0 3	52	11 56	55	11 57	31	1
5	0	5 53	0 14	21	0 11	40	0 2	40	11 56	29	11 58	9	5
9	0	7 36	0 14	31	0 10	40	0 1	32	11 56	13	11 58	53	9
13	0	9 9	0 14	29	0 9	35	0 0	27	11 56	5	11 59	42	13
17	0	10 32	0 14	16	0 8	26	morning.		11 56	7	eve	0 33	17
21	0	11 44	0 13	51	0 7	14	11 58	35	11 56	18	0 1	25	21
25	0	12 44	0 13	16	0 6	1	11 57	49	11 56	38	0 2	17	25
29	0	13 31	0 13	31	0 4	47	11 57	11	11 57	6	0 3	6	29
—••••—													
D.	- July		August		Septem.		October		Novem.		Decem.		D.
	H.	M. S.	H.	M. S.	H.	M. S.	H.	M. S.	H.	M. S.	H.	M. S.	
1	0	3 30	0 6	0	morning.		11 49	35	11 43	44	11 49	24	1
5	0	4 13	0 5	40	11 58	29	11 48	22	11 43	46	11 51	0	5
9	0	4 51	0 5	11	11 57	8	11 47	15	11 44	2	11 52	45	9
13	0	5 23	0 4	33	11 55	45	11 46	15	11 44	31	11 54	37	13
17	0	5 47	0 3	47	11 54	21	11 45	24	11 45	15	11 56	34	17
21	0	6 4	0 2	52	11 52	57	11 44	42	11 46	11	11 58	33	21
25	0	6 11	0 1	50	11 51	34	11 44	11	11 47	19	ev	0 33	25
29	0	6 6	0 0	42	11 50	14	11 43	51	11 48	40	0 2	31	29

A TABLE

EXHIBITING THE DOMINICAL LETTER FOR EVERY YEAR
IN THE NINETEENTH CENTURY.

A. D. 0	1	2	3	4	5	6	7	8	9	DIRECTIONS.	
180	E	D	C	B	AG	F	E	D	CB	A	The Dominical letter for any year will be found against the first 3 figures of the date and under the 4th or unit figure. There are two Dominical letters for every Bissextile year; the first serving for Jan. and Feb. and the other for the remainder of the year.
181	G	F	ED	C	B	A	GF	E	D	C	
182	BA	G	F	E	DC	B	A	G	FE	D	
183	C	B	AG	F	E	D	CB	A	G	F	
184	ED	C	B	A	GF	E	D	C	BA	G	
185	F	E	DC	B	A	G	FE	D	C	B	
186	AG	F	E	D	CB	A	G	F	ED	C	
187	B	A	GF	E	D	C	BA	G	F	E	
188	DC	B	A	G	FE	D	C	B	AG	F	
189	E	D	CB	A	G	F	ED	C	B	A	
190	G	F	E	D	CB	A	G	F	DE	C	

A TABLE

SHOWING WHAT DAY OF THE WEEK ANY DAY OF THE
MONTH IS, FOR EVER.

January, October.	A	B	C	D	E	F	G
Feb. March, Nov.	D	E	F	G	A	B	C
April, July,	G	A	B	C	D	E	F
May,	B	C	D	E	F	G	A
June,	E	F	G	A	B	C	D
August.	C	D	E	F	G	A	B
September, Dec	F	G	A	B	C	D	E
	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				

DIRECTIONS.

Seek the Dominical Letter for the given year against the given month in this table, and the figures below in that column, show the days of the month answering to each of the Sundays—from the nearest of which to the given day, count backward or forward in the week, as in the following example :

What day of the week was May 28th, 1808? The Dominical letter for that year, after February (it being bissextile) was B, which against May stands over the 29th day. Now as the 29th was Sunday, the 28th, you know, must have been Saturday.

Rule to find the length of the day.—Add 12 hours to the time of the Sun's setting, and from the sum subtract the time of rising.

A TABLE, Directing what quantities of time to add to, or subtract from the time of High water at New-York, (contained in the last column of the calendar pages,) to find the time of High Water at the places here enumerated, [a] denotes addition, [s] subtraction.

Places' Names.	H.M.	Places' Names,	H.M.	Places' Names.	H.M.
Albany,	a 6 30	Hackensack,	a 3 0	Polopel's Island,	a 3 0
Amboy,	s 0 45	Halifax,	a 3 0	Port Roseway,,	s 0 50
Annapolis, D.M.	s 2 0	Hartford,	a 2 20	Port Royal, S.C.	s 0 35
Annapolis, N. S.	s 3 0	Hell-Gate,	a 0 30	Portsmouth,	a 2 40
Boston,	a 2 15	Huntington,	a 2	Providence.	s 1 0
Bridgetown, E.J.	a 0 45	Ipswich,	a 4	Furrysburg, S. C.	s 2 0
Burlington,	a 0 20	Jamestown,	a 0 50	Quebec,	a 3 4
Cape Ann,	a 2 45	Kingston Esopus.	a 5	Reedy Island,	a 2 50
Cape Fear,	a 1 10	Main Ocean,	s 0 45	Rhode Island,	s 0 15
Cape Hatteras.	a 2 0	Nantuket Shoals	s 1 30	Salem,	a 2 45
Cape Henry,	a 2 0	Newburyport,	a 2 45	Sandy Hook,	s 0 4
Cape Bay,	a 2 15	New Haven,	a 2 13	Savannah,	s 1 12
Charleston Lt. H.	a 2 0	New Providence,	s 1 25	Saybrook,	a 2 15
Cape May,	s 0 45	Newtown L'ding,	a 1 0	Sanbury, Ga.	a 0 30
Cape Canso,	s 0 30	Penobscot,	a 3 0	Tybee Bar,	a 0 15
Fairfield,	a 2 0	Philadelphia,	a 5 0	White Stone,	a 2 45
Georgetown Bar,	s 2 0	Piscataway,	a 2 40	Williamsburg, Va.	a 2 15
Guildford.	a 1 30	Plymouth.	a 1 35	Wilmington, Del.	a 3 20

The following are measures of celestial magnitudes and distances:

Diameter of the Earth,	MILES.
Smallest diameter of Jupiter and largest diameter of Saturn,	8,000
Diameter of Saturn's Ring,	180,000
Diameter of the Sun,	880,000
Distance of the Moon from the Earth,	240,000
Distance of the Earth from the Sun,	96,000,000
Distance of the remotest Planet (Neptune) from Sun,	7,400,000,000
Greatest distance of the Comet of 1680,	12,000,000,000,000
Distance of the nearest fixed Star (<i>a</i> Centauri),	21,000,000,000,000
Distance of 61 Cygni,	558,000,000,000,000

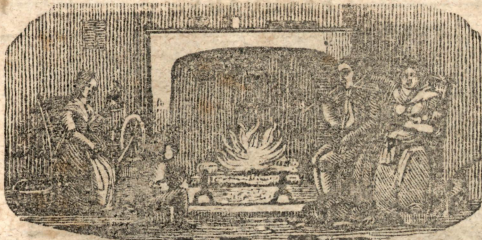
The numbers here given are sufficiently accurate, and most of them are easily remembered.

Encke's comet was nearly three times farther from the sun on the 28th October, 1842, than on the following 24th December, and the diameter of its nebulousity was, at the first date, 316,440 miles, and at the second only 24,530 miles, or it was increased by a triple distance 26 times.

Such knowledge wafts the mind above, while heaven itself descends in love; a feeling from the Godhead caught, to wean from self each sordid thought; a ray of Him who formed the whole; a glory circling round the soul.

The great condition of all pure enjoyment is to have the heart free from every root of bitterness, every feeling of envy and discontent.

Hath 31 days.



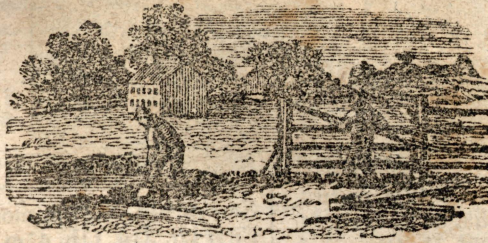
Begins on Monday.

First Qr. 2d. 2h. 42m. morn.
 Full ☉ 8d. 5h. 54m. even.
 Third Qr. 16d. 1h. 58m. morn.

New ☉ 24d. 5h. 7m. morn.
 First Qr. 31d. 11h. 47m. morn.

Various Phenomena.		R.	S.	d	S	☉	☽	S.	☉	☽	☉	H.	W.
1	2	Circumcision.	7	27	4	41	22	59	7	12	0	5	42 0 45
2	3	Quite pleasant	7	27	4	42	22	53	18	morn.	6	32	1 30
3	4	7*s south 8 44.	7	27	4	43	22	47	8	1	7	7	25 2 23
4	5	☽ south 2 41.	7	27	4	44	22	41	16	2	15	8	20 3 26
5	6	for the season.	7	27	4	45	22	34	11	3	25	9	18 4 39
6	7	Epiphany. ☉ in per.	7	27	4	46	22	27	16	4	34	10	18 5 54
7	G	☉ r. high. Colder	7	27	4	47	22	20	5	5	41	11	20 7 0
8	2	Sup. ☽ ☉ ☽ ☐ ☉ ☽	7	27	4	48	22	12	16	rises.	morn.	8	0
9	3	☽ sets 8 14. and	7	26	4	49	22	8	30	6	6	1	20 8 52
10	4	Aldebaran sou 9 5.	7	26	4	50	21	54	9	7	13	1	18 9 42
11	5	Dr. Dwight d. 1817.	7	26	4	51	21	45	28	8	19	2	13 10 29
12	6	☉ ☽ [perhaps snow	7	26	4	52	21	35	17	9	23	3	5 11 13
13	7	Cher. Miss. est. 1817.	7	25	4	53	21	25	25	10	24	3	53 11 55
14	G	2d Sun. aft. Epiph.	7	25	4	54	21	14	11	11	24	4	39 ev. 36
15	2	Capella on mer. 9 24.	7	25	4	55	21	3	20	morn.	5	23	1 18
16	3	Sirius south 10 53.	7	24	4	57	20	52	11	0	22	6	7 2 1
17	4	Franklin b. 1706.	7	24	4	58	20	40	14	1	18	6	51 2 51
18	5	☉ in ap. Fair	7	23	4	59	20	28	25	2	14	7	35 3 56
19	6	☉ ent. ☽.	7	23	5	0	20	15	1	3	9	8	20 5 5
20	7	☽ sets 8 38. and	7	22	5	1	20	2	19	4	3	9	7 6 17
21	G	☉ runs low. mild.	7	21	5	3	19	49	15	4	55	9	55 7 19
22	2	☽ south 1 23.	7	21	5	4	19	35	13	5	44	10	44 8 3
23	3	Look for snow.	7	20	5	5	19	21	26	6	30	11	34 8 43
24	4	Sirius south 10 21.	7	19	5	6	19	6	☽ sets.	ev.	24	9	22
25	5	Conv. of St Paul.	7	19	5	7	18	52	21	6	40	1	13 9 59
26	6	Capella on mer. 8 40.	7	18	5	9	18	36	7	7	43	2	2 10 34
27	7	☉ ☽. ☽ ☉ ☽. More	7	17	5	10	18	21	18	8	47	2	51 11 9
28	G	4th Sun. aft. Epiph.	7	16	5	11	18	5	7	9	52	3	40 11 45
29	2	☽ sets 8 56. [stormy	7	15	5	12	17	49	15	10	58	4	30 morn.
30	3	Sirius south 9 58.	7	14	5	14	17	33	28	morn.	5	21	0 25
31	4	weather.	7	13	5	15	17	16	8	0	5	6	14 1 7

Hath 28 days.



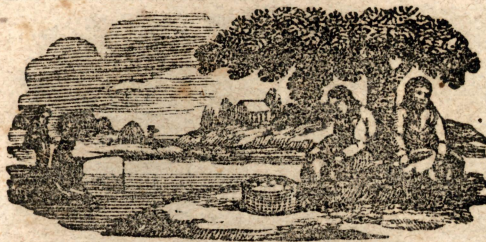
Begins on Thursday.

Full ☉ 7d. 6h. 20m. morn.
Third Qr. 14d. 11h. 7m. even.

New. ☉ 22d. 8h. 34m. even.

	Various Phenomena.	☉	R	☉	S	d.	S	☉	☉	S.	☉	sou.	H.	W.
1	☽ south 0 39. [Quite	7	12	5	16	16	59	☿	1	13	7	9	1	57
2	6 Purif. B. V. Mary.	7	11	5	17	16	41	♄	2	20	8	6	2	53
3	7 ☉ in perigee. dull.	7	10	5	19	16	24	♃	3	25	9	5	4	9
4	G Septuagesima.	7	9	5	20	16	6	♁	4	27	10	4	5	28
5	2 Very	7	8	5	21	15	48	♂	5	23	11	2	6	48
6	3 ☽ ☉ ♃. moderate	7	7	5	22	15	29	♁	6	13	11	58	7	51
7	4 Ell-&-y'd sou. 8 16.	7	6	5	24	15	10	♂	riser.	morn.			8	45
8	5 ☽'s gr. elong. ☉ ☽	7	5	5	25	14	51	♃	7	3	0	51	9	31
9	6 ☽ sets 9 17. Wind	7	4	5	26	14	32	♃	8	7	1	41	10	14
10	7 Betelguese sou. 8 23	7	2	5	27	14	13	♁	9	8	2	29	10	53
11	G Sexagesima. and	7	1	5	28	13	53	♃	10	8	3	15	11	31
12	2 flying clouds.	7	0	5	30	13	33	♂	11	6	4	0	ev.	7
13	3 ☽ south 11 41.	6	5	5	31	13	13	♃	morn.		4	45	0	43
14	4 Valentine. ☽ stat	6	5	7	32	12	52	♂	0	3	5	29	1	18
15	5 ☉ in apogee. Fair	6	5	6	33	12	32	♂	0	59	6	14	1	59
16	6 and mild.	6	5	5	35	12	11	♃	1	53	7	0	2	51
17	7 Sirius south 8 47.	6	5	3	36	11	50	♂	2	45	7	48	4	2
18	G ☉ ent. ☿. Quinquag.	6	5	2	37	11	29	♃	3	35	8	36	5	21
19	2 High	6	5	1	38	11	8	♂	4	23	9	25	6	35
20	3 ☽ sets 9 35. winds.	6	4	5	39	10	46	♃	5	7	10	15	7	36
21	4 Ash Wednesday.	6	4	5	41	10	24	♃	5	48	11	5	8	20
22	5 Washington b. 1732	6	4	5	42	10	2	♃	sets.		11	55	9	0
23	6 Inf. ☽ ☉ ☽. ☉ ☽	6	4	5	43	9	40	☿	6	35	ev.	45	9	37
24	7 S. Matthias [Windy.	6	4	5	44	9	18	♂	7	42	1	35	10	13
25	G 1st Sunday in Lent.	6	4	5	45	8	56	♃	8	49	2	26	10	49
26	2 Procyon sou. 9 4.	6	4	5	46	8	34	♃	9	57	3	18	11	27
27	3 Look for snow.	6	3	5	48	8	11	♃	11	5	4	10	morn.	
28	4 ☉ in perigee.	6	3	5	49	7	48	♂	morn.		5	5	0	5

Hath 31 days.



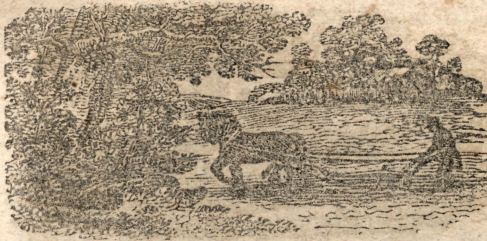
Begins on Thursday.

First Qr. 1d. 7h. 7m. even.
 Full ☉ 8d. 8h. 6m. even.
 Third Qr. 16d. 7h. 43m. even

New ☉ 24d. 9h. 10m. morn.
 First Qr. 31d. 2h. 2m. morn.

	Various Phenomena.	☉ R.	☉ S.	☉ d.S	☉ S.	☉ sou.	H.	W.
1	5 ♀'s gr elongation.	6 36	5 50	7 26	Π	0 12	6 1	0 48
2	6 Look for more snow	6 34	5 51	7 32	22	1 18	6 58	1 32
3	7 ☉ runs high.	6 33	5 52	6 40	☽	2 19	7 56	2 29
4	G 2d Sun. in Lent.	6 31	5 53	6 17	20	3 16	8 53	3 45
5	2 Madison bn. 1757.	6 30	5 54	5 53	Ω	4 7	9 48	5 13
6	3 Regulus sou. 11 1.	6 28	5 55	5 30	18	4 52	10 41	6 41
7	4 Cold winds.	6 27	5 57	5 7	♄	5 32	11 31	7 43
8	5 ☉ decl. ♀ stat. ☉ Ω.	6 25	5 58	4 44	14	rises.	morn.	8 34
9	6 ☉ sou. 9 56. Look	6 23	5 59	4 20	27	6 53	0 20	9 16
10	7 for more snow	6 22	6 0	3 57	☽	7 54	1 7	9 56
11	G 3d Sun. in Lent.	6 20	6 1	3 33	23	8 53	1 52	10 30
12	2 Martyr Gregory.	6 18	6 2	3 10	♄	9 51	2 37	11 3
13	3 ♁ discovered 1781.	6 17	6 3	2 46	17	10 48	3 22	11 37
14	4 High cold winds.	6 15	6 4	2 22	29	11 43	4 7	ev. 10
15	5 Jackson b. 1767.	6 14	6 5	1 59	♄	morn.	4 53	0 42
16	6 ♀ sets 10 6.	6 12	6 6	1 35	23	0 36	5 40	1 20
17	7 St. Patrick. ☉ r. low.	6 10	6 7	1 11	☽	1 27	6 27	2 4
18	G 6 ☉ ♁. Stormy	6 9	6 8	0 48	17	2 15	7 16	3 4
19	2 Regulus sou. 10 10.	6 7	6 10	S. 24	29	3 0	8 5	4 28
20	3 ☉ ent. ♀. and	6 5	6 11	0 0	☽	3 41	8 54	5 49
21	4 ☉ sou. 9 5. cold	6 4	6 12	N. 24	25	4 21	9 44	7 0
22	5 ♀'s gr. elong. ☉ ☽	6 2	6 13	0 47	☾	4 57	10 34	7 50
23	6 Look for	6 0	6 14	1 11	22	5 33	11 25	8 31
24	7 more snow.	5 59	6 15	1 34	☽	sets.	ev. 16	9 11
25	G Annun. of B. V. M.	5 57	6 16	1 58	20	7 42	1 8	9 46
26	2 ♀ sets 10 12. Very	5 55	6 17	2 22	☽	8 52	2 2	10 24
27	3 ☉ in per. unhealthy	5 54	6 18	2 45	19	10 2	2 58	11 6
28	4 C. Wesley d. 1788.	5 52	6 19	3 8	Π	11 10	3 55	11 47
29	5 and unpleasant.	5 50	6 20	3 32	18	morn.	4 53	morn.
30	6 ☉ runs high.	5 49	6 21	3 55	☽	0 14	5 51	0 31
31	7 ☉ south 8 24.	5 47	6 22	4 18	17	1 13	6 48	1 19

Hath 30 days.



Begins on Sunday.

Full ☉ 7d. 10h. 54m. morn.
Third Qr. 15d. 2h. 12m. even.

New ☉ 22d. 6h. 58m. even.
First Qr. 29d. 9h. 21m. morn.

	Various Phenomena.	☉ R.	☉ S.	☉ dN.	☉ S.	☉ sou.	H.	W.
1	G Palm Sunday.	5 45	6 23	4 41	Ω	2 5	7 43	2 19
2	2 ♀ sets 10 10. Cold	5 44	6 24	5 41	14	2 51	8 36	3 34
3	3 ♀ south 8 12. and	5 42	6 25	5 27	28	3 32	9 26	5 4
4	4 ☉ Ω. unpleasant.	5 40	6 26	5 50	♄	4 8	10 15	6 26
5	5 Regulus sou. 9 3.	5 39	6 27	6 13	24	4 42	11 1	7 26
6	6 Good Friday.	5 37	6 28	6 36	♌	5 13	11 47	8 14
7	7 Look for rain.	5 36	6 29	6 58	19	rises.	morn.	8 54
8	G Easter S. ♀ stat.	5 34	6 30	7 21	♍	7 40	0 32	9 29
9	2 ♀ sets 10 2.	5 32	6 31	7 43	13	8 38	1 16	10 3
10	3 High winds.	5 31	6 32	8 5	25	9 34	2 1	10 36
11	4 Pittsb'gh burnt 1845	5 29	6 33	8 27	1	10 28	2 47	11 7
12	5 ♂ ☉ ♄. ☉ in ap.	5 28	6 34	8 49	19	11 20	3 34	11 38
13	6 ☉ runs low.	5 26	6 36	9 11	♃	morn.	4 21	ev. 12
14	7 Very variable.	5 25	6 37	9 33	13	0 9	5 8	0 49
15	G Low Sunday.	5 23	6 38	9 54	25	0 54	5 56	1 33
16	2 Regulus sou. 8 20.	5 22	6 39	10 15	♄	1 37	6 45	2 26
17	3 Franklin d. 1790.	5 20	6 40	10 36	20	2 16	7 33	3 44
18	4 ♂ ☉ ♄ weather.	5 19	6 41	10 57	♃	2 53	8 22	5 3
19	5 ♀ sets 9 36. ☉ ☉.	5 17	6 42	11 18	16	3 28	9 12	6 12
20	6 ☉ enters ♄. More	5 16	6 43	11 39	30	4 3	10 2	7 11
21	7 ♀ stationary. [fair.	5 14	6 44	11 59	♄	4 38	10 54	7 56
22	G 2d Sun. aft. Easter.	5 13	6 45	12 19	29	sets.	11 48	8 37
23	2 St. George. Cold	5 11	6 46	12 39	8	7 43	ev. 44	9 17
24	3 ☉ in perig. [winds.	5 10	6 47	12 59	29	8 54	1 43	10 0
25	4 St. Mark. [Back-	5 8	6 48	13 19	♁	10 3	2 42	10 44
26	5 ☉ runs high. [ward	5 7	6 49	13 38	29	11 6	3 43	11 30
27	6 season.	5 6	6 50	13 57	♄	morn.	4 42	morn.
28	7 ♀ sets 8 53.	5 4	6 51	14 16	27	0 2	5 39	0 16
29	G 3d Sun. aft. Easter.	5 3	6 52	14 35	Ω	0 51	6 33	1 9
30	2 Spicary sou. 10. 41.	5 2	6 53	14 53	25	1 34	7 24	2 11

Hath 31 days.



Begins on Tuesday.

Full ☉ 7d. 2h. 11m. morn.
Third Qr. 15d. 5h. 34m. morn.

New ☉ 22d. 2h. 41m. morn.
First Qr. 28d. 6h. 27m. even.

	Various Phenomena.	R.	S.	d.	N	S:	☉ sou	H. W.
1	3 Sts. Philip & James.	5	06	54	15	11	07	2 11 8 13 3 23
2	4	4	59	6	55	15	29	20 2 45 8 59 4 44
3	5 Sup. ☽ ☉ ☿. □ ☉ ♃	4	58	6	56	15	47	☿ 3 16 9 44 6 0
4	6 More favorable	4	57	6	57	16	4	16 3 47 10 29 7 0
5	7 Napoleon d. 1821.	4	55	6	58	16	21	23 4 17 11 13 7 45
6	G 4th Sun. aft. Easter.	4	54	6	59	16	38	☿ rises. 11 58 8 28
7	2 weather.	4	53	7	0	16	55	22 7 26 morn. 9 2
8	3 Spica ♀ sou. 10 10.	4	52	7	1	17	11	♄ 8 22 0 43 9 38
9	4 ☉ in apogee.	4	51	7	2	17	27	16 9 15 1 29 10 11
10	5 Arcturus sou. 10 53.	4	50	7	3	17	43	28 10 5 2 16 10 43
11	6 ☉ runs low. [Plant	4	49	7	4	17	58	♄ 10 51 3 4 11 15
12	7 Inf. ♂ ☉ ♀. maize.	4	48	7	5	18	14	22 11 35 3 51 11 48
13	G Rogation Sunday.	4	47	7	6	18	28	☿ morn. 4 39 ev. 23
14	2 Perhaps rain.	4	46	7	7	18	43	16 0 14 5 27 1 6
15	3 Spica ♀ sou. 9 42.	4	45	7	8	18	57	28 0 51 6 14 1 58
16	4 ☉ ☿. Unpleasant	4	44	7	9	19	11	♄ 1 26 7 2 3 1
17	5 Ascension day.	4	43	7	10	19	25	24 2 0 7 51 4 19
18	6 ♂ ☉ ♄. winds.	4	42	7	11	19	38	♄ 2 33 8 40 5 24
19	7 Arcturus sou. 10 18.	4	41	7	12	19	51	22 3 8 9 32 6 23
20	G Sun. aft. Ascension.	4	40	7	13	20	3	♄ 3 45 10 27 7 20
21	2 ☉ enters ♀. More	4	40	7	13	20	16	22 4 26 11 24 8 6
22	3 ☉ in per. fair.	4	39	7	14	20	28	♄ sets. ev. 24 8 53
23	4 Spica ♀ sou. 9 11.	4	38	7	15	20	39	23 8 50 1 26 9 42
24	5 Q. Victoria b. 1819.	4	37	7	16	20	50	♄ 9 52 2 28 10 30
25	6 ♂ ☉ ♄. Pleasant.	4	37	7	17	21	1	23 10 46 3 29 11 17
26	7 Arcturus sou. 9 51.	4	36	7	18	21	12	♄ 11 33 4 26 morn.
27	G Whit-Sunday.	4	35	7	19	21	22	21 morn. 5 20 0 6
28	2 ☉ ☉. Quite	4	35	7	19	21	31	♄ 0 13 6 10 0 59
29	3 Putnam d. 1790.	4	34	7	20	21	41	17 0 48 6 58 1 56
30	4 pleasant.	4	34	7	21	21	50	♄ 1 20 7 44 2 58
31	5 Arcturus sou. 9 31.	4	33	7	22	21	58	♄ 1 51 8 28 4 14

Hath 30 days.



Begins on Friday.

Full ☉ 5d. 5h. 31m. even.
Third Qr. 13d. 5h. 28m. even.

New ☉ 20d. 9h. 23m. morn.
First Qr. 27d. 5h. 48m. morn.

	<i>Various Phenomena</i>	R.	S.	d.	N.	S.	sou.	H.	W.
1	6 ♀ stationary. Heat	4 33	7 22	22 22	7 ∞	2 21	9 12	5 16	
2	7 ♀ rises 3 7.	4 32	7 23	22 14	∩	2 51	9 56	6 20	
3	G Trin. S. ♀'s gr. elg.	4 32	7 24	22 22	19	3 23	10 41	7 14	
4	2 increases.	4 32	7 24	22 29	†	3 57	11 27	7 58	
5	3 ♂ in apogee.	4 31	7 25	22 36	13	rises.	morn.	8 39	
6	4 Arcturus south 9 7.	4 31	7 26	22 42	25	8 2	0 13	9 19	
7	5 ♂ runs low. Look	4 31	7 26	22 48	∩	8 50	1 1	9 48	
8	6 Jackson d. 1845.	4 31	7 27	22 53	19	9 34	1 48	10 24	
9	7 ♀ sets 11 11. for	4 30	7 28	22 58	30	10 15	2 36	10 55	
10	G 1st S. af. Trin. rain.	4 30	7 28	23 3	∞	10 53	3 24	11 29	
11	2 St. Barnabas.	4 30	7 29	23 7	25	11 28	4 11	ev. 5	
12	3 N. Y. incorp. 1665.	4 30	7 29	23 11	∞	morn.	4 58	0 46	
13	4 Very	4 30	7 30	23 15	20	0 1	5 45	1 34	
14	5 ♀ rises 2 34.	4 30	7 30	23 18	∩	0 33	6 32	2 28	
15	6 ♂ ♂. pleasant.	4 30	7 30	23 20	17	1 6	7 21	3 33	
16	7 ♀ stationary.	4 30	7 31	23 22	8	1 40	8 13	4 42	
17	G Bunk. Hull b. 1775.	4 30	7 31	23 24	16	2 18	9 7	5 46	
18	2 ♀ at gr. brilliancy.	4 30	7 31	23 26	∩	3 0	10 5	6 45	
19	3 Look for rain.	4 30	7 32	23 27	16	3 49	11 5	7 43	
20	4 ♂ in peri. ♂ r. high.	4 30	7 32	23 27	∞	sets.	ev. 8	8 35	
21	5 ♂ enters ∞.	4 31	7 32	23 27	16	8 33	1 11	9 28	
22	6 Very warm.	4 31	7 32	23 27	∩	9 25	2 12	10 19	
23	7 ♂ ♂.	4 31	7 32	23 26	16	10 9	3 9	11 6	
24	G St. John Bap. ♂ Ω.	4 31	7 33	23 25	30	10 48	4 3	11 55	
25	2 Antares sou. 10 4.	4 32	7 33	23 24	∩	11 22	4 53	morn.	
26	3 ♀ sets 10 12. Look	4 32	7 33	23 22	27	11 54	5 40	0 45	
27	4 Monm'th. bat. 1778	4 32	7 33	23 20	∞	morn	6 26	1 33	
28	5 for showers.	4 33	7 33	23 17	22	0 24	7 10	2 27	
29	6 St. Peter. □ ○ ♀.	4 33	7 33	23 14	∩	0 54	7 55	3 29	
30	7 Inf. ♂ ♂. ♂ in ap.	4 34	7 33	23 10	16	1 26	8 39	4 34	

Hath 31 days.



Begins on Sunday.

Full ☉ 5d. 8h. 33m. morn.
Third Qr. 13d. 2h. 12m. morn.

New ☉ 19d. 4h. 19m. even.
First Qr. 26d. 7h. 39m. even.

	Various Phenomena	☉	R	☉	S.	☉	d.	N	☉	☉	S.	☉	sou.	H.	W.
1	G 4th Sun. aft. Trin.	4	34	7	33	23	6	∩	1	58	9	24	5	32	
2	2 Visitation B. V. M.	4	35	7	32	23	2	∩	2	34	10	10	6	36	
3	3 ☉ in ap. <i>Very</i>	4	35	7	32	22	57	22	3	13	10	58	7	29	
4	4 Independence.	4	36	7	32	22	52	∩	3	57	11	45	8	12	
5	5 Antares sou. 9 24.	4	36	7	32	22	47	16	rises. morn.				8	52	
6	6 ☉ sets 9 37. <i>hot.</i>	4	37	7	32	22	41	28	8	16	0	34	9	28	
7	7 Vega south 11 28.	4	38	7	31	22	34	∩	8	55	1	22	10	4	
8	G 5th Sun. aft. Trin.	4	38	7	31	22	27	22	9	31	2	9	10	38	
9	2 <i>Look for</i>	4	39	7	31	22	20	∩	10	4	2	56	11	12	
10	3 Columbus b. 1447.	4	39	7	30	22	13	17	10	36	3	43	11	49	
11	4 ☉ stat. <i>thunder</i>	4	40	7	30	22	5	30	11	8	4	29	ev. 29		
12	5 ☉ ☉ ☉. <i>showers.</i>	4	41	7	29	21	57	∩	11	41	5	17	1	10	
13	6 ☉ rises 1 46.	4	42	7	29	21	48	27	morn.		6	6	2	1	
14	7 Fr. Rev. com. 1789.	4	42	7	28	21	39	8	0	16	6	57	2	57	
15	G 6th Sun. aft. Trin.	4	43	7	28	21	30	25	0	54	7	51	4	6	
16	2 <i>Very hot</i>	4	44	7	27	21	20	∩	1	38	8	49	5	12	
17	3 Vega south 10 48.	4	45	7	26	21	10	25	2	28	9	49	6	23	
18	4 ☉ in per. ☉ ☉ ☉.	4	45	7	26	20	59	∩	3	26	10	51	7	29	
19	5 <i>Fresh</i>	4	46	7	25	20	48	25	sets.		11	53	8	24	
20	6 ☉ stat. <i>breezes.</i>	4	47	7	24	20	37	∩	8	0	ev. 52		9	16	
21	7 ☉ & ☉'s gr. elong.	4	48	7	24	20	26	24	8	42	1	49	10	7	
22	G ☉ ent. ∩. ☉ ∩.	4	49	7	23	20	14	∩	9	20	2	42	10	52	
23	2 ☉ rises 10 20.	4	50	7	22	20	22	22	9	54	3	33	11	38	
24	3 <i>Some very</i>	4	51	7	21	19	49	∩	10	25	4	20	morn.		
25	4 St. James. <i>hot</i>	4	51	7	20	19	36	18	10	56	5	6	0	21	
26	5 St. Anne. <i>days</i>	4	52	7	19	19	23	30	11	27	5	51	1	4	
27	6 Vega south 10 9.	4	53	7	19	19	10	∩	12	0	6	36	1	49	
28	7 ☉ rises 10 0. <i>Look</i>	4	54	7	18	18	56	25	morn.		7	21	2	38	
29	G 8th Sun. aft. Trin.	4	55	7	17	18	42	∩	0	34	8	7	3	36	
30	2 Dog d. begin. <i>for</i>	4	56	7	16	18	27	18	1	12	8	53	4	44	
31	3 <i>thunder showers.</i>	4	57	7	15	18	12	30	1	54	9	41	5	54	

Hath 31 days.



Begins on Wednesday.

Full ☉ 3d. 10h. 56m. even.
Third Qr. 11d. 8h. 37m. morn.

New ☉ 18d. 0h. 37m. morn.
First Qr. 25d. 12h 0m. noon.

	Various Phenomena.	☉	R.	☉	S.	☉	d.	N	☉	☉	S.	☉	sou.	H.	W.
1	4 ☉ runs low. <i>stat.</i>	4	58	7	13	17	57	13	2	40	10	29	6	59	
2	5 <i>Weather continues</i>	4	59	7	12	17	42	24	3	30	11	18	7	48	
3	6 Vega south 9 42.	5	07	11	17	26	☞	rises.	morn.				8	31	
4	7 7*s. r. 11 12. [<i>sultry.</i>]	5	17	10	17	10	19	7	32	0	6	9	9		
5	8 9th S. alt. Trin. ☉ ☽	5	27	9	16	54	☾	8	7	0	54	9	46		
6	2 Transfiguration.	5	37	8	16	38	14	8	40	1	41	10	19		
7	3 ♀ rises 1 37.	5	47	7	16	21	27	9	12	2	28	10	53		
8	4 <i>Perhaps showers.</i>	5	57	5	16	4	☽	9	44	3	15	11	27		
9	5 7*s rise 10 52.	5	67	4	15	47	24	10	18	4	3	ev.	6		
10	6 St. Lawrence. [<i>with</i>	5	77	3	15	29	8	10	54	4	53	0	46		
11	7 <i>thunder.</i>	5	77	2	15	11	21	11	35	5	45	1	30		
12	G 10th Sun. aft. Trin.	5	87	0	14	53	☽	morn.	6	39	2	25			
13	2 Vega south 9 2.	5	96	59	14	35	20	0	21	7	37	3	31		
14	3 ☉ runs high. <i>Look</i>	5	106	58	14	17	☽	1	13	8	36	4	51		
15	4 ☉ in per. <i>for</i>	5	116	56	13	58	19	2	13	9	36	6	10		
16	5 Sup'r ☉ ☽. <i>some</i>	5	126	55	13	39	☽	3	17	10	36	7	19		
17	6 ♀ rises 1 42. <i>hot</i>	5	136	54	13	20	18	4	26	11	34	8	17		
18	7 ☉ ☽. <i>weather.</i>	5	146	52	13	1	☽	sets.	ev.	28	9	7			
19	G 11th Sun. aft. Trin.	5	156	51	12	41	16	7	50	1	21	9	52		
20	2 Altair sou. 9 46.	5	166	49	12	21	30	8	23	2	10	10	34		
21	3 ☽ so. 3 40. <i>Cloudy</i>	5	176	48	12	1	☽	8	55	2	58	11	12		
22	4 7*s rise 10 1. [<i>and</i>	5	186	46	11	41	26	9	27	3	44	11	53		
23	5 ☉ enters ☽. <i>dull.</i>	5	196	45	11	21	☽	10	59	4	30	morn.			
24	6 St. Bartholomew.	5	206	43	11	0	21	10	33	5	15	0	29		
25	7 <i>Look for</i>	5	216	42	10	39	☽	11	10	6	1	1	8		
26	G ☉ ☽. <i>more rain.</i>	5	226	40	10	19	15	11	50	6	48	1	49		
27	2 ☉ in apogee. [<i>tine.</i>]	5	236	39	9	58	27	☽	7	35	2	40			
28	3 ☉ r l. [<i>St. Augus-</i>	5	246	37	9	36	13	0	8	23	3	50			
29	4 St. John Bap. beh.	5	256	36	9	15	21	1	22	11	5	7			
30	5 7*s rise 9 30.	5	266	34	8	54	☽	2	15	10	6	22			
31	6 ♀ south 1 51. <i>Hot.</i>	5	276	32	8	32	15	3	11	10	48	7	21		

Hath 30 days.



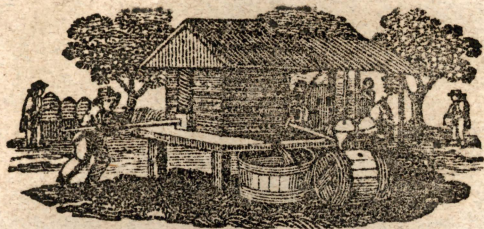
Begins on Saturday.

Full ☉ 2d. 0h. 22m. even.
Third Qr. 9d. 1h. 59m. even.

New ☉ 16d. 11h. 6m. morn.
First Qr. 24d. 6h. 28m. morn.

Various Phenomena.		☉	R.	☉	S.	d.	N	☉	S.	☉	sou.	H.	W.
1	7 ♃ sou. 2 56	☉	8	5	28	5	31	8	10	☉	4	0	11 36 8 5
2	G 13th Sun. aft Trin.	5	29	6	29	7	48	☉	ris.	morn.	8	45	
3	2 Altair south 8 51.	5	30	6	28	7	26	23	7	13	0	24 9 21	
4	3 ♂ ☉ ♃. Warm and	5	31	6	26	7	4	☉	7	46	1	12 9 55	
5	4 ♃ so. 1 30. perhaps	5	32	6	24	6	42	20	8	20	2	1 10 29	
6	5 showery.	5	33	6	23	6	20	8	8	55	2	50 11 5	
7	6 Han. More d. 1833.	5	34	6	21	5	57	18	9	34	3	42 11 42	
8	7 Nativity B.V. Mary.	5	35	6	19	5	34	☉	10	18	4	35 ev. 22	
9	G 14th S.a.Tr: ♂ ☉ ♂	5	36	6	18	5	12	16	11	8	5	31 1 6	
10	2 Dog d. end. ☐ ☉ ♂	5	37	6	16	4	49	30	morn	6	29	2 1	
11	3 ☉ in per. Cooler.	5	38	6	14	4	26	☉	0	4	7	27 3 11	
12	4 Altair south 8 16.	5	39	6	13	4	3	29	1	4	8	25 4 38	
13	5 Perhaps rain.	5	40	6	11	3	40	☉	2	10	9	22 6 4	
14	6 Mos. bt. 1812. ☉ ☉	5	41	6	9	3	17	27	3	17	10	17 7 12	
15	7 Sur. of N. Y. 1776.	5	42	6	8	2	54	☉	4	24	11	9 8 6	
16	G 15th Sun. aft. Trin.	5	43	6	6	2	31	25	sets.	11	59	8 53	
17	2 Look for	5	44	6	4	2	8	☉	6	52	ev.	48 9 33	
18	3 more rain.	5	45	6	3	1	44	21	7	24	1	35 10 10	
19	4 ♀ rises 2 30.	5	46	6	1	1	21	☉	7	56	2	21 10 45	
20	5 Fomalhaut s. 10 50.	5	47	5	59	0	58	16	8	30	3	8 11 21	
21	6 St. Matthew.	5	48	5	58	0	34	29	9	6	3	54 11 55	
22	7 ☉ enters ☉ [Windy.	5	49	5	56	N.	11	☉	9	45	4	41 morn.	
23	G 16th Sun. aft. Trin.	5	50	5	54	S.	12	23	10	27	5	28 0 28	
24	2 ☉ in ap. ☉ r. low.	5	51	5	53	0	36	☉	11	14	6	15 1 6	
25	3 Blustering	5	52	5	51	0	59	16	morn.	7	3	1 53	
26	4 Foml. south 10 26.	5	53	5	49	1	23	28	0	4	7	51 2 57	
27	5 ♂ ☉ ♂ and	5	54	5	47	1	46	☉	0	59	8	39 4 20	
28	6 ♃ sou. 11 49. cold	5	55	5	46	2	9	23	1	56	9	27 5 39	
29	7 St. Michael.	5	56	5	44	2	33	☉	2	56	10	15 6 47	
30	G ♀'s gr. elongation.	5	57	5	42	2	56	19	3	59	11	4 7 34	

Hath 31 days.



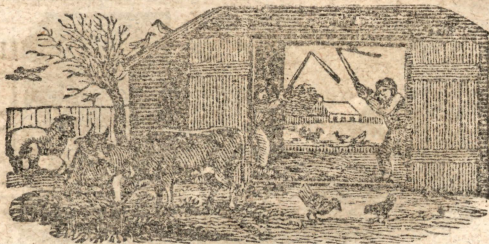
Begins on Monday.

Full ☉ 2d. 0h. 37m. morn.
 Third Qr. 8d. 7h. 48m. even.
 New ☉ 16d. 0h. 17m. morn.

First Qr. 24d. 2h. 8m. morn.
 Full ☉ 31d 11h. 51m. morn.

Various Phenomena.		R.	S.	d.	s.	☉	☽	S.	☉	sou	H.	W.	
1	2 ♀ south 0 54.	5	58	5	41	3	20	γ	5	3	11	53	8 14
2	3 Andre executed 1780	5	59	5	39	3	43	16	rises.	morn.	8	51	8 51
3	4 Clear	6	05	37	4	6	30	6	54	0	43	9	27
4	5 ♀ rises 9 30. and	6	15	36	4	29	8	7	33	1	36	10	4
5	6 Fomal. sou. 9 51.	6	25	34	4	52	29	8	16	2	30	10	41
6	7 ☉ in per. cool.	6	35	33	5	15	Π	9	4	3	26	11	20
7	G 18th Sun. aft. Trin.	6	45	31	5	38	27	9	58	4	24	ev.	4
8	2 ☉ runs high. Quite	6	55	29	6	1	σ	10	58	5	22	0	51
9	3 St. Denys. cold	6	65	28	6	24	26	morn.	6	20	1	49	
10	4 mornings.	6	75	26	6	47	Ω	0	1	7	17	2	59
11	5 Bahamas dis. 1492.	6	85	25	7	10	23	1	6	8	11	4	30
12	6 ☉ Ω. ♀ stationary.	6	95	23	7	32	μ	2	12	9	3	5	56
13	7 Fomal. south 9 19.	6	105	21	7	55	20	3	17	9	53	7	0
14	G 19th Sun. aft. Trin.	6	125	20	8	17	≈	4	22	10	41	7	48
15	2 ♀ rises 9 1. Cold	6	135	18	8	39	17	sets.	11	28	8	31	
16	3 ♀ son 4 32. winds.	6	145	17	9	2	29	5	54	ev.	14	9	8
17	4 ♀ ☉ ♀. Perhaps	6	155	15	9	24	η	6	27	1	0	9	44
18	5 St. Luke. frost.	6	165	14	9	46	24	7	2	1	47	10	19
19	6 Cornwall. sur. 1781.	6	175	12	10	7	1	7	40	2	33	10	52
20	7 Chilling winds	6	185	11	10	29	19	8	21	3	21	11	23
21	G ☉ in apogee. and	6	195	9	10	50	♄	9	6	4	8	11	57
22	2 ☉ runs low. flying	6	205	8	11	12	12	9	55	4	56	morn.	
23	3 ☉ ent. η. clouds.	6	225	7	11	33	24	10	47	5	43	0	35
24	4 Inf. ♀ ☉ ♀.	6	235	5	11	54	≈	11	42	6	31	1	18
25	5 Perhaps rain.	6	245	4	12	14	18	morn	7	18	2	11	
26	6 ♀ ♀. ♀ south 9 52.	6	255	2	12	35	κ	0	40	8	5	3	30
27	7 ♀ south 40.	6	265	1	12	55	14	1	41	8	52	4	52
28	G Sts. Simon & Jude.	6	275	0	13	15	27	2	44	9	41	6	1
29	2 ♀ rises 8 17.	6	294	59	13	35	γ	3	49	10	31	6	56
30	3 John Adams b. 1735	6	304	57	13	55	24	4	56	11	23	7	41
31	4 More rain.	6	314	56	14	15	8	rises.	morn.	8	20		

Hath 30 days.



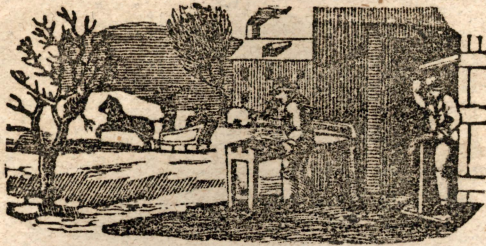
Begins on Thursday.

Third Qr. 7d. 3h. 27m. morn.
New ☉ 14d. 4h. 17m. even.

First Qr. 22d. 9h. 28m. even.
Full ☉ 29d. 10h. 29m. even.

	Various Phenomena	☉ R.	☉ S.	☉ d. S.	☉	☉ R.	☉ sou.	H. W.
1	5 All Saints. Cold	6 32	4 55	14 34	8	6 9	0 17	8 58
2	6 ♀ stat. ☉ in per.	6 33	4 54	14 53	Π	6 56	1 15	9 39
3	7 increases.	6 35	4 52	15 12	23	7 50	2 14	10 21
4	G 22d S. af. Trin.	6 36	4 51	15 30	Σ	8 50	3 14	11 4
5	2 Powder plot, 1605.	6 37	4 50	15 49	22	9 53	4 14	11 50
6	3 Blustering	6 38	4 49	16 7	Ω	10 59	5 12	ev. 40
7	4 ♀ south 9 2.	6 39	4 48	16 24	20	morn. 6 8	1 37	
8	5 ☉ Ω. ♂ stat. winds.	6 41	4 47	16 42	∞	0 5	7 0	2 50
9	6 ♀ gr. elongation.	6 42	4 46	16 59	17	1 10	7 50	4 14
10	7 Milton died 1674.	6 43	4 45	17 16	30	2 13	8 38	5 32
11	G 23d Sun. aft. Trin.	6 44	4 44	17 33	Σ	3 16	9 24	6 38
12	2 Look for rain.	6 45	4 43	17 49	26	4 17	10 10	7 26
13	3 ♂ south 2 57.	6 47	4 42	18 5	∞	5 17	10 55	8 8
14	4 More dull, wet	6 48	4 41	18 21	21	sets. 11 41	8 46	
15	5 weather.	6 49	4 40	18 36	†	5 37	ev. 28	9 23
16	6 ♂ rises 7 3.	6 50	4 39	18 51	15	6 17	1 15	9 55
17	7 7*s south 11 50.	6 51	4 39	19 6	27	7 0	2 3	10 28
18	G ☉ in apog. ☉ r. low.	6 53	4 38	19 20	∞	7 47	2 50	11 1
19	2 ♂ south 2 31.	6 54	4 37	19 34	21	8 38	3 38	11 33
20	3 Unsettled.	6 55	4 37	19 48	∞	9 32	4 25	morn.
21	4 ♀ south 8 5.	6 56	4 36	20 14	14	10 28	5 11	0 9
22	5 ☉ enters †. ☉ ☉.	6 57	4 35	20 14	26	11 26	5 57	0 51
23	6 Aldebar. s. u. 0 19.	6 58	4 35	20 27	∞	morn. 6 43	1 39	
24	7 ♀ rises 0 53. Clear	6 59	4 34	20 39	21	0 26	7 30	2 39
25	G N. Y. evac. 1783.	7 1	4 34	20 51	∞	1 29	8 18	3 55
26	2 ♀ sou. 9 2. and	7 2	4 33	21 2	18	2 34	9 8	5 4
27	3 7*s south 11 11.	7 3	4 33	21 13	8	3 41	10 0	6 8
28	4 cold with	7 4	4 32	21 24	17	4 51	10 56	7 2
29	5 high winds.	7 5	4 32	21 34	∞	rises. 11 56	7 48	
30	6 St. Andrew.	7 6	4 32	21 44	17	5 35	morn. 8 34	

Hath 31 days.



Begins on Saturday.

Third Qr. 6d. 1h. 57m. even.
New ☉ 14d. 10h. 42m. morn.

First Qr. 22d 2h. 44m. even.
Full ☉ 29d. 9h. 4m. morn.

		Various Phenomena.	☉	R.	☉	S.	☉	dS	☉	☉	R.	☉	sou	H. W.
1	7	☉ runs high. Quite	7	7	4	31	21	53	☉	6	33	0	57	9 19
2	G	Advent Sunday.	7	8	4	31	22	2	17	7	38	2	0	10 5
3	2	☉ rises 0 23 cold	7	9	4	31	22	11	☉	8	45	3	2	10 52
4	3	and blustering.	7	10	4	31	22	19	16	9	54	4	1	11 40
5	4	☉ stat. ☉ ☉.	7	11	4	31	22	26	30	11	1	4	56	ev. 33
6	5	☉ south 1 5.	7	12	4	31	22	33	☉	morn		5	48	1 29
7	6	☉ south 7 2. Look	7	13	4	30	22	40	27	0	6	6	37	2 28
8	7	for rain.	7	14	4	30	22	47	☉	1	9	7	23	3 40
9	G	Milton born 1608.	7	15	4	30	22	53	23	2	11	8	9	4 52
10	2	*s sou 10 20.	7	16	4	31	22	58	☉	3	11	8	54	5 59
11	3	High	7	17	4	31	23	3	18	4	10	9	39	6 57
12	4	cold	7	17	4	31	23	8	30	5	8	10	25	7 43
13	5	☉ ☉ ☉. winds.	7	18	4	31	23	12	☉	6	4	11	11	8 25
14	6	Wash. d. 1799.	7	19	4	31	23	15	24	sets.		11	59	9 2
15	7	☉ runs low.	7	20	4	31	23	18	☉	5	43	ev.	46	9 39
16	G	3d S. in Adv. ☉ in ap	7	20	4	32	23	21	17	6	32	1	34	10 12
17	2	☉ rises 11 30.	7	21	4	32	23	23	29	7	25	2	21	10 45
18	3	☉ ☉ ☉. More rain.	7	22	4	32	23	25	☉	8	20	3	8	11 19
19	4	Sup. ☉ ☉ ☉. ☉ ☉.	7	22	4	33	23	26	23	9	17	3	54	11 52
20	5	*s s. 9 40.	7	23	4	33	23	27	☉	10	15	4	39	morn.
21	6	St. Thom. ☉ ent. ☉.	7	23	4	34	23	27	17	11	15	5	24	0 31
22	7	Landing of Pilgrims	7	24	4	34	23	27	30	morn.		6	10	1 12
23	G	at Plym'th, [☉ ☉ ☉	7	24	4	35	23	27	☉	0	17	6	57	1 59
24	2	1620. Windy	7	25	4	35	23	26	26	1	21	7	46	2 58
25	3	Christmas. and	7	25	4	36	23	24	☉	2	27	8	39	4 9
26	4	St. Stephen.	7	25	4	37	23	22	25	3	36	9	35	5 18
27	5	St. John. perhaps	7	26	4	37	23	19	☉	4	47	10	35	6 24
28	6	Innocents. squally.	7	26	4	38	23	16	25	5	58	11	37	7 20
29	7	☉ in per. ☉ r. high.	7	26	4	39	23	13	☉	rises.				8 11
30	G	Sun. aft. Christmas.	7	26	4	40	23	9	25	6	22	0	41	9 3
31	2	☉ in peri. ☉ stat.	7	27	4	40	23	5	☉	7	33	1	44	9 55

A DUEL BY MOONLIGHT, ON THE GULF.

BY THE AUTHOR OF "OLD HICKS, THE GUIDE."

There is a singular incident connected with the earlier period of the Texian war of revolution, which I think worth recording. It was related to me by an old camp comrade, in whose word I have the most unbounded confidence. That the story, so far as he is accountable for its incidents, is a true one I have no shadow of a doubt. I will give it as nearly as possible after the manner in which he told it to me.

Colonel F—— and myself were on a fowling expedition in a small sail boat, upon that arm of the Quabaca Bay, near the head of which the town of Matagorda is situated. This bay forms one of a long chain of such bays, reaching to the mouth of the Rio Grande. These are only fenced off from the encroaching waters of the Gulf by a barren sand bar, which runs parallel with the mainland, and is broken through here and there by narrow inlets. This curious sand-bar, through the whole of this great distance varies but little in width, which is seldom more than a few miles. However, near Matagorda Inlet, is its narrowest point; here it is not more than a mile in some places, and seems a mere tongue of land which might readily be swept away when the waves of the stormy Gulf beat high.

We were running in close to the bar at this narrow place. It was the middle of the day, and as our sail boat glided slowly but smoothly before the steady breeze, we gossiped pleasantly of past adventure to fill up the listless time of our inaction.

Colonel F—— suddenly exclaimed, as we came nearly opposite to the Inlet, and looked up a long straight stretch of the bar, the white sand of which reflected the sun's rays with dazzling effect—

"There I witnessed one night a more curious scene than any of which we have been talking."

"Let us hear it then, Colonel. It will be some time yet before we reach the shallows, where the wild fowl feed. I must hear it

by all means—I would even prefer losing a shot to the story, which has impressed you as so singular. That is rather of an odd place for an adventure to come off on—to begin with.”

“Yes, it is! But even the place is not so odd as the scene. It was while we were hourly expecting the Mexicans to occupy Matagorda, on their march of invasion. Volunteers were arriving every day to our assistance. The most of them came from the States, by water, in small vessels. The Inlet there, you perceive is quite narrow, and it was then a very important point to be held by our arms, as it was the gate through this large Bay, to the very heart of the most populous portions of Texas. I occupied the extreme point of the bar with a small force, which we thought would be sufficient to hold at bay any light vessels of the enemy, which might attempt to enter. We had no artillery, but we considered that our long rifles were sufficient for such a purpose.

“We had thrown up a sort of breast-work of sand, and had a rude and tattered marque of old sails, under which we took shelter from the early sun. One evening, quite a stir was caused in our little camp by the arrival of a small schooner from New York. She swept by us through the Inlet without stopping, and as we thought we could perceive that she had on board quite a number of volunteers, we let her go by, though we thought her conduct strange; and when in answer to our hail, those on board announced themselves as having come to fight for us, we gave them three hearty cheers of welcome, and bade them God speed on their way up the Bay. Greatly to our surprise—instead of proceeding at once as we expected, up to Matagorda, they stood out parallel with this bar, and came to anchor about a mile and a half distant.

“I thought this a somewhat unaccountable manœuvre, for if they meant to communicate with us they would have stopped sooner, and we were the only human beings this side of Matagorda. Indeed, when I came to think the matter over, I was greatly disposed to be *miffed* at them for having been guilty of the extreme discourtesy of passing us without stopping to greet us personally, in the good old fashioned manly way, common to men who have mutually pledged themselves to a dangerous and chivalric enterprise. I could not help regarding them with spite, and even some suspicion. They might be marauders of the worst stamp—white men—our own countrymen, who coming with no good purpose to either party, had the best reasons for not permitting themselves to be seen more closely. Renegades of this kind had frequently made their appearance upon the Gulf, and harrassed the coast settlements with relentless and most brutal ferocity, since our troubles with Mexico commenced.

“I determined to watch them closely, for as I continued to

dwell upon these circumstances and my vexation, all sorts of vague doubts and apprehensions with regard to them and their motives, took possession of me. I kept my glass levelled upon the schooner, watching minutely the movements on board, so long as the daylight lasted. When night set in, it came on a clear and brilliant moonlight—so clear that I could make out with the naked eye, the hull of the craft quite distinctly as it lay still and dark upon the calm, silvered waters of the Bay.

“I said nothing to my men, of my doubts and suspicions with regard to the character of our new neighbors, but saw that every thing was in a condition of readiness for immediate action on our part. I did this in a quiet way, so as not to attract the attention of my men particularly—for as the unusual and suspicious conduct of the schooner did not seem to have impressed them very much, I did not like to subject myself by any committal to the charge of having been an alarmist. I cannot tell why I felt so restless about that confounded little schooner—but that I did feel so and was half ashamed of my uneasiness, you have perceived.

“I never lost sight of that schooner for more than a few moments, while I was bustling around the camp, and when every thing became quiet, an uncontrollable impulse led me to walk down the level beach of that island bar, with a view of gaining a nearer position, and one from which I could observe any movements on board more clearly. I had not advanced more than half a mile, when I saw a small row boat glide out from the dark hull over the moon-lit water. It seemed to be heading towards the beach, in the direction of my own position. I instantly stooped. Could they have discovered me? Shall I retreat? were the questions which immediately occurred to me.

“But as the boat came out more clearly into the moonlight, I saw from my crouching position, its upper rim very clearly defined, and that there were only two persons in it, who were rowing with an unhurried stroke. I could perceive no flurry or commotion on board the schooner they had left.

“Although my first idea was that they had observed me moving along the beach, and had sent out this boat to endeavor to intercept and capture me—yet a few moments’ observation sufficed to convince me that the persons in the boat were entirely unconscious of my presence—for their oar-strokes were so slow and measured as to preclude all idea of pursuit on their part.

“I could perceive that they did not even turn their heads towards me. I had felt immeasurably relieved so soon as I perceived that there were only two men in the boat—for I was very well armed; but when I saw how calmly and unconsciously they seemed to come on, I felt ashamed of my first suspicions, and came very near rising

to walk forward frankly and take them by surprise, by a friendly greeting.

“As the boat came steadily on, I thought I could perceive a sort of stateliness in these figures as they were defined against the friendly moon, which did not seem to me altogether natural. I cannot now, nor could I then account for the feeling—but I certainly felt that there was something strange and unusual in that small boat, shooting out so quietly from the dark hulk of that unceremonious sort of schooner, and coming to this bare sand beach with such a placid glide, with those two rigid looking men in it—I did not know what to make of it—but my curiosity was excited. I determined at all risks to see what the thing meant—for I was doubtful whether under the circumstances, *those* men had not come to this bare sand beach *to look for turtle eggs!*

“This was the only ordinary interpretation of their manœuvres which common sense dictated—for though there were very few turtle nests along this beach at any time, I knew it was a common idea with all cockney voyagers that as these creatures laid in the sand, the first fair sand beach they came to at this season would prove to be rich with eggs. I pitied them as green-horns at first, and while this idea passed through me I cautiously drew up to enjoy the fun. But when I saw them near the shore, and land and draw up their boat from the surf, and then step out along the beach, in such a deliberate manner, I began to realise that I had been mistaken as to their being merely turtle-egg hunters.

“I was now within a hundred yards of them and could see with nearly perfect distinctness all that they did. I could distinguish that they were armed with cutlasses. After walking a short distance from the boat and in my direction, they paused a few paces apart and stood looking at each other for nearly a minute, without a movement, and as I judged without speaking. There was something in the attitude of that mute regard that made my blood run cold. I found myself to have been literally holding my breath while I gazed in strange fascination at them—when I was relieved by seeing them join hands in a long still grasp. Then one of them seemed to have spoken, for I could see the taller and slighter of the two (though there was little difference in this respect) shake his head. Their hands unclasped, and with one foot advanced they threw themselves into position. Quick as thought two bright cutlasses were flashing in the moonlight, and the ringing clash of their meeting sent a cold jar to my heart. I sprang to my feet as if I had received an electrical shock from some powerful concealed battery. I now approached the combatants after a moment’s thought quite deliberately, but with no intention of interfering; for the rights of the duello are sacred with us, you know. So far as I could per-

ceive, everything had been conducted fairly between them and I had no right to interfere. They seemed too to be nearly equally matched in strength and activity.

“A fight with cutlasses is always terrible, and usually short—but it was not so in this case; they were evidently splendid swordsmen, perfect in craft and coolness—for the clang of their weapons rung upon the still night air like the swift fall of anvil strokes; and beside the white gleaming of their blades as they threw off the rays of the moon, I could distinguish the red sparkles which leaped out from their angry collisions. I have witnessed single combats of many kinds, with many different sorts of weapons, but I never saw any to equal this in dogged desperation and astonishing skill. Now one party would fall back as if retreating—and when the other rushed upon him unguardedly, would turn suddenly from defence to assault—which would in turn be avoided by the agile retreat.

“The fight grew warmer, and they both became more unguarded. Now and then I would miss the regular beat or dash of the weapons for a single stroke, and in place of its clear ring I thought I could distinguish a dull sound, and one of the parties would stagger. Any such advantage the other would follow up with the eagerness of mortal fury. At last the tall and slighter man came to his knees, and I saw his sword presented above his head to parry the descending blow of his adversary, who seemed to hurl himself along with it upon him, and they both came to the earth together.

“I now ran towards the parties. They were lying perfectly still—one upon the other. The bloody blade of him who lay beneath had passed through the body of his foe, and stuck out from his back nearly a foot, with its dull shine. It was a terrific sight. As yet I had heard no sound of voice from either of them, and now there was not even a groan. There they lay, silent beneath the cold, placid moon, as they had been throughout that deadly fight.

“So strangely had the concentration of this relentless fury which seemed to have inspired them, and which only found a language in the steely tongues of their cutlasses—impressed me that the fight had seemed unreal, as though they were two phantom warriors, and now I shuddered and felt my hair almost rising, as I stooped to touch them. I turned over the uppermost man, and he was dead—stone dead! When relieved from the weight of his body, the other drew a long breath. I ran to the water and filled my cap, which I threw into his face. He had swooned from the loss of blood. He stared at me wildly as I stooped over him.

“‘Who are you?’ said he, feebly.

“‘A friend.’

“‘How came you here?’

“‘It is sufficient that I am here. What does all this mean?’

“‘Mean?—It means a woman! That man is the dearest friend I ever had in my life. He loved the same woman that I did, without either being aware of the fact until a fatal explanation occurred. Either of us preferred death to a resignation of our idol, who is entirely unaware of this unfortunate rivalry, and has committed herself fully to neither of us. We preferred this mode of adjustment, and now she is mine, if my poor friend Henry is really dead.’ And he turned and pressed a kiss to the blue lips of the corpse beside him.

“‘Yes, she is mine if I ever get over these horrible cuts—mine, mine, blessed Mary!’ he muttered, as he sank into another swoon, from which I had great difficulty in rousing him.”

“Well, here we are among the geese—you took care of him, and he got well and married that beautiful and non-committal witch in New York, did he?”

“I suppose he married her, but I never have found out. What I did find out, was that he was afterwards one of the most heroic, gallant, and chivalric gentlemen who served in the army of Texas. I am not at liberty to reveal his name.

“There goes a fine flock.” Bang! bang!

AGRICULTURAL, & c.

POTATOE DISEASE OR ROT.—We have received from Rev. Chas. A. Goodrich, of Hartford, Ct., an article first published in the Hartford Courant, in reference to the potatoe disease. An enumeration of some of the causes assigned for this malady is given from an English paper, the principal of which are:—Attacks of parasitical fungi, insects, (“the idlest of all speculations,” says the English authority), frost, lightning, exhausted vitality, bad cultivation, manures, miasmata, such as produce cholera in men, and other epidemics. Mr. G. thinks none of these causes appear tenable, “unless it be the last.” He observes—“it seems apparent, at least to the writer, that the disease did not originate in the soil, nor is it attributable to any defect in the potatoe itself. The remote cause is some peculiar change in the atmosphere, which we may never understand: the proximate cause, consequent upon that change, is the derangement of the functions of the stalk and leaves.”

Mr. G. holds that the leaves and stalks are first affected, through this atmospheric influence, and that the vitiated juices are transmitted to the tubers, thus laying the foundation for their disease and decay. Its effects, he believes, are something in proportion to the stage of growth the tubers are in when the tops are attacked.

Hence he observes—"If the tuber was but half grown, the stalk would be proportionately green, and the injurious process would be longer continued. If the potatoe was nearly ripe, still the process might proceed, and acrid food be transmitted sufficient to cause its decay in the course of weeks or months. And does not this," he continues, "account for the fact that potatoes which appear fair and sound for some time after they are housed, ultimately betray symptoms of disease, and in the course of the winter become worthless? They were inoculated with the disease, and in process of time the infection breaks out. Upon this theory different varieties would suffer unequally, being more or less hardy, and the same variety on different soils might also be differently affected.

"Should the inquiry be made, why some fields, either in whole or in part, escape the ravages of this disease, while contiguous crops are entirely ruined, the reply is, that it will be in season to answer the question, when the interrogator shall explain why some peach trees escape the yellows, while others wither and die under that scourge—or some pear trees escape the blight, while neighboring ones are ruined; and especially why the frost plays such 'fantastic tricks' in a field of corn, nipping here and there some whole rows, and then again sparing nearly every alternate hill."

As to remedies, Mr. G. thinks it is "by no means certain that a remedy may not yet be discovered," and he advises that experiments be multiplied every succeeding year. His "chief hope," however, is, that "in the course of a few years the cause of the injury in the atmosphere will gradually disappear."—*The Cultivator*.

MANURE.—Good farmers know the great gain resulting from applying the manure which is made during the winter, to the corn and other spring crops. If left to ferment in the yard through summer, one half at least of its value is lost in vapor, &c, and the corn crop receives none of its benefits. But if plowed under in spring, the corn is enriched, the vapor as it escapes is absorbed by the earth, and a double benefit is thus received. But a difficulty occurs where corn fodder is largely fed, which, mixing with the manure, binds it together so that it cannot be drawn and spread till the stalks have rotted. All this is obviated by cutting the stalks fine in a machine, and more nutriment is obtained from them by the cattle. Sheep manure is difficult to separate and load, being dry, hard and crusty in its nature. In order that it may be separated by the fork, take a second-rate axe and chop parallel lines across the heap a foot apart, and cut these again at right angles, which will give blocks a foot square, which may be easily loaded and drawn. When manure from its coarseness must necessarily be left to ferment a few weeks or months, much of its value may be saved by mixing it, or merely

covering it with plenty of muck, turf, earth, sawdust, &c., with gypsum, unslacked lime, and other ingredients of good compost. Gypsum is usually regarded as one of the best absorbents of the gasses of manure; but in drawing out the most fetid of all manures, we have found covering it with air-slacked lime far more effectually to destroy the unpleasant odor, than the use of gypsum.

HINTS TO FARMERS.—Tomatoes make excellent preserves.—Toads are the best protection of cabbages against lice.—Plants, when drooping, are revived by a few grains of camphor.—Pears are generally improved by grafting on the mountain ash.—Sulphur is valuable in preserving grapes, &c. from insects.—Lard never spoils in warm weather, if it is cooked enough in frying out.—In feeding with corn, 60 lbs. ground goes as far as 100 lbs. in the kernel.—Corn meal should never be ground very fine. It injures the richness of it.—Turnips of small size have double the nutritious matter that large ones have.—Ruta Baga is the only root that increases in nutritious qualities as it increases in size.—Sweet olive oil is a certain cure for the bite of a rattlesnake. Apply it internally and externally.—Rats and other vermin are kept away from grain by a sprinkling of garlic when packing the sheaves.—Money skillfully expended in drying land by draining or otherwise, will be returned with ample interest.—To cure scratches on a horse, wash the legs with warm soap suds, and then with beef brine. Two applications will cure in the worst case.—Timber cut in the spring and exposed to the weather with the bark on, decays much sooner than if cut in the fall.—Experiments show apples to be equal to potatoes for improving hogs, and decidedly preferable for cattle.—Wild onions may be destroyed by cultivating corn, plowing and leaving the field in its plowed state all winter.

SIGNS OF A PROSPEROUS FARMER.—1. When a farmer is seen marrying young, it shows that Providence helps those who will help themselves, and in future he will have “helps” of more kinds than one.

2. When lights are burning in his house before break of day, in the winter especially, it shows that the day will never break on his “breaking” in the winter of adversity.

3. When you see his barn larger than his house, it shows that he will have large profits and small afflictions.

4. When you see him driving his work, instead of his work driving him, it shows that he will never be driven from good resolutions, and that he will certainly work his way to prosperity.

5. When you see in his house more lamps for burning lard or grease, than candlesticks for more expensive purposes, it shows that economy is lighting his way to happiness and plenty, with that light which should enlighten every farmer in the world.

6. When you always see in his woodhouse a sufficiency for three days, if not more, it shows that he will be more than a "nine days wonder" in farming operations, and that he is not sleeping in his house after a drunken frolic.

7. When he has a small house, separate from the main building, purposely for ashes, and an iron or tin vessel to transport them, it shows that he never built his dwelling to be a funeral pyre for his family and perhaps for himself.

8. When his sled is housed in summer, and his farming implements covered both winter and summer, it plainly shows that he will have a good house over his head in the summer of early life and the winter of old age.

NEW YEAR'S COUNSELS.—The Boston Journal has revived from an old paper the following excellent advice, showing how those who are not to live the year out may be their own administrators :

1. Post your book to this day, and be careful to see that all accounts that have been paid are balanced on your ledger.

2. Where you have an unsettled account of more than one year's standing, and there is a bill against you, and you do not know what it is, or how much, get it in immediately and credit it, and strike the balance.

3. If the balance is against you, pay it without delay ; if in favor and you cannot get your pay, take a note, or write a reckoning and have it signed.

4. If you have an outlawed account, don't flatter yourself that your debtor is a clever man, and will do the thing that's about right ; ten chances to one he'll tell your administrator that " he will think of it," and the probability is that will be the last he'll see of him, and that every time he thinks of it he will think he won't pay it—or at least till he gets able.

5. Be very careful to close all accounts with men of doubtful honesty, and especially if they are inclining to a troublesome complaint called bankruptcy ; for be sure they will have a heavy bill against your estate. No matter whether you owe them or not, depend upon it every discharge you get from them, will be worth \$30 to your heirs.

Finally, reader, your life may not continue forty-eight hours—therefore, if you have any matter of honorary obligation, discharge it before you sleep if you can.

If you have any disputable matter, settle or refer it to arbitration, sue or be sued without delay, bearing in mind that you know much more about that matter than those who will come after you.

THE CORN CROP.—In 1845, it was 417,800,000 bushels in the United States. In 1847, it is estimated at 600,000,000.

RECEIPTS, & c.

A SURE WAY TO PREVENT BUTTER FROM BECOMING RANCID.—After churning, work the butter without salt until perfectly free from any milky substance; then salt sufficiently and put it away for use.

The above mode of making and salting butter is from a very observing and skilful housewife in Morris county, who has followed it for many years, and her butter has always been perfectly good; while that of others who followed the old method, has spoiled.

TRANSPARENT PUDDING—Beat eight eggs very light, add half a pound of pounded sugar, the same of fresh melted butter, and half a nutmeg grated; set it on a stove and keep stirring till it is thick as battered eggs—put a puff paste in a shallow dish, pour in the ingredients, and bake it half an hour in a moderate oven—sift sugar over it and serve it up hot.

METHOD OF PRESERVING WOOD FROM THE EFFECTS OF THE WEATHER.—Take three parts of air-slackened lime, two parts of wood ashes, and one part of fine sand: sift the whole, and add so much linseed oil as is necessary to form a mass that can be laid on with a paint brush. To make this perfect and more durable, it will be well to grind it on a marble. Two coats of it are all that are necessary—the first should be rather light, but the second must be put on as thick as the brush will permit. This composition well prepared is impenetrable to water; resists both the influence of the weather and the action of the sun which hardens it and makes it more durable.—*Ann. des Arts and Man.*

TO PRESERVE TOMATOES.—Take a bushel of Tomatoes, and pour boiling water over them, skin them, and then boil them well; after which add a tea cupful of salt, a table spoonful of black pepper, one table spoonful of Cayenne, an ounce of cloves, and an ounce of mace; mix well and put the tomatoes in jars, run mutton suet over them, and tie them up, either with strong blue paper or buckskin. Prepared in this way, they will keep a year.

The common *Mullein* (*Verhascum*) Harkhermer informs us, after being properly cleared of the adhering earth and other impurities, is extensively used in German granaries, roots, stocks and flowers, in order to prevent the depredations of mice, and that it affords a complete protection against these vermin. Bundles of it are placed in every corner, and on the grain itself. The mice will suddenly disappear from the barns where it is placed.—*The Cultivator.*

CIDER.—Many persons, perhaps, are not aware of the efficacy of black mustard seed (*Sinapsis nigra*) in preventing the acetic fermentation of cider. About half a pint of the seed put into a barrel of cider, will preserve it as sweet, from the usual time of making cider, in autumn, till the following May, as the day it was put in. The mustard is of very easy culture; a few seeds scattered in some rich vacant spot, will insure a successive crop, although the plant is an annual. The succeeding crops will be perpetuated by the seed which falls to the ground in autumn. But in order to secure the cider from any unpleasant flavor, it is highly important that the vessels be kept free from must. An effectual method of cleaning cider barrels is, by putting into each one about a quart of unslacked lime, after which pour on about 4 or 5 gallons of boiling water. Cover the bung-hole with a loose covering, so that some of the steam may escape (which will be generated in great quantities) to prevent the barrel from bursting. Shake it up several times, and then rinse it with clean water. It will add also greatly to the quality of the cider, by being separated entirely from all the sediments. This may be done by filtering it through a hair sieve when running from the press, and then to rack it off when it has stood a sufficient length of time to leave any that might remain settled to the bottom.

INDELIBLE INK.—This may be made much cheaper than purchased, as follows: Two drachms of nitrate of silver, added to four of a weak solution of tincture of galls.

Another.—Nitrate of silver, one drachm, mixed with a solution of half an ounce of gum arabic in half a pint of pure rain water. Moisten the cloth previously with a strong solution of pearl, or salt of tartar, and iron it dry.

FROST-PROOF CEMENT.—Mix tar with sand; it gradually hardens, and as moisture cannot in the least degree penetrate it, it will never crack by frost. This was proved by the accidental upsetting of a tar barrel on a spot of sand—the cement thus accidentally formed, remaining impenetrably hard for years, although under the rain-water spout, and exposed to all kinds of weather.

INK SPOTS on mahogany may be easily removed by rubbing them with wet blotting paper, and afterwards rubbing the spots with a dry cloth.

WAGON GREASE.—Booth's patent grease for railway cars, might be useful perhaps elsewhere, being composed of tallow 8 lbs., palm oil 10 lbs., soda $\frac{1}{2}$ lb., heated with a gallon of water till nearly boiling, and constantly stirred till down to 70 deg. Fah.

HONOR OF THE PARISIAN POPULACE.—When the revolutionists who won the Republic for France, had forced their way into the Palais Royal and had reached the apartments of General Athalia, one of Louis Philippe's aids-de-camp, they encountered the general's lady, a woman of dignified deportment and stature, whom the general had espoused for her rare beauty, being but the daughter of a poor fisherman of Granville. "My friends," she exclaimed, "I trust you have not come here to offer any injury to myself or to my husband. I am not one of your *fine ladies*, but a *daughter of the people*. I throw myself on your protection; but I will not leave my husband: he is confined to his bed by illness." The band were struck with the boldness of the appeal. They repaired to the general's chamber, placed him in an arm-chair, and, headed by this *daughter of the people*, they conveyed him to a friend's house in the neighborhood. On reaching his destination the general recollected leaving a sum of 130,000 francs (£5,200) in notes and gold in his desk. He handed the key of the desk to a workingman in a blouse, whom he did not know. An hour after, the man returned with every sous of the money. This is by no means a solitary instance of the disinterestedness and nobility of mind displayed by the people during these most glorious three days.

IRISH COUNTING.—"Teddy, me b'y, did ye go to the parthy last night?"

"Och! wern't I there, darlint? And wern't it a fine time we had, Jemmy?"

"How many of the b'ys did ye'ave there?"

"Oonly four."

"An who were they?"

"There was mesilf, that's one! There was the two Croghans, that's two! Barney Flin, an' that's thraa! an'—an'—faix, there was *foor*."

Teddy commenced his count again.

"The two Croghans, is one! mesilf, that's two! an' Barney Flin is thraa—is thraa—an'—but there *was* foor, ony how!"

Not satisfied with *three*, Teddy scratched his pate, and very emphatically recommenced his counting:

"There was Barney Flin, that's *one*! an' the two Crogh—aus—that's *two*! an'—an'—*be dad there was foor*, but I can't think of the uthy one!"

SCREW LOOSE.—The Cincinnati Commercial chronicles the escape of a man named John Screw, from the jail of Montgomery county, Ohio.

"Knowledge is Power."—Bacon. "A wise man is strong."—Bible.

Lou's Philippe is said to have arrived in England without his wig; whereupon a cockney witting perpetrated the following:

Poor Louis Philippe from the Tuileries ran,
And tore off his wig, like a desperate man;
His children came rushing, pell mell into town,
And found that papa had no *heirs* to his crown.

An American Quaker said to a gunner, during the revolutionary war, "Friend, I counsel no bloodshed; but if it be thy design to hit the little man in the blue jacket, point thine engine 3 inches lower."

Moss on FRUIT TREES, may be removed by soap-suds, thin white-wash, or a mixture of cow-dung, urine and soap-suds.

The following letter of recommendation is a very disinterested one:—

Sir:—Mr. C—— may be a very good accountant; I know him to be a very clever book keeper. I lent him a Shakspeare, a Scott, and a Boz, eighteen months ago, and he has not thought proper to return one of them. I am, sir, &c. S. B.

RATES OF POSTAGE.

On Letters.—Single letters, or any number of pieces not exceeding half an ounce, 300 miles or less - 5 cts.
If over 300 miles, - - - - - 10 "
Drop letters (not mailed) - - - - - 2 "
For each additional half ounce or part thereof, add single postage thereto,

Newspapers.—On all Newspapers not exceeding 1900 square inches of surface, sent from the office of publication to subscribers, for any distance not over one hundred miles, or any distance within the State in which they are mailed, one cent each. If carried over one hundred miles and out of the State in which they are mailed, they are to be charged one and a half cents each. This postage is charged by the newspaper and not by the sheet: hence, if two or more newspapers are printed on one sheet, full postage is to be charged for each copy.

On transient newspapers, (by which is meant all not regularly sent from the office of publication to subscribers,) three cents is to be *pre-paid* at the office before they are put in the mail; to be entered on the Post-bills, and upon the amount of mails sent and stamped or marked "PAID," with the name of the Post Office from which sent.

Courts in the State of New Jersey.

Under the law passed at the recent session of the Legislature, the terms of holding the Circuit and other County Courts have been materially changed, and we publish the following table, compiled from the act, of the terms as they are to be held hereafter on the following Tuesdays:

First District—CHIEF JUSTICE HENRY W. GREEN, Presiding Judge:

Bergen,	1 Feb.	1 May.	1 Aug.	1 Nov.
Hudson,	2 "	2 "	2 "	2 "
Essex,	4 "	4 "	4 "	4 "

Second District—JAMES S. NEVIUS, Presiding Judge:

Monmouth,	1 Feb.	1 May.	1 Aug.	1 Nov.
Somerset,	3 "	3 "	3 "	3 "
Warren,	4 "	4 "	4 "	4 "
Middlesex,	2 Mar.	2 June.	2 Sep.	2 Dec

Third District—IRA C. WHITEHEAD, Presiding Judge:

Sussex,	1 Feb.	1 May.	1 Aug.	1 Nov.
Morris,	3 "	3 "	3 "	3 "
Passaic,	1 March.	1 June.	1 Sep.	1 Dec.

Fourth District—JOSEPH F. RANDOLPH, Presiding Judge:

Hunterdon,	2 Feb.	2 May.	2 Aug.	2 Nov.
Burlington,	3 "	3 "	3 "	3 "
Mercer,	1 March.	1 June.	1 Sep.	1 Dec.

Fifth District—THOMAS P. CARPENTER, Presiding Judge:

Camden,	1 Feb.	1 May.	1 Aug.	1 Nov.
Cumberl'd,	2 "	2 "	2 "	2 "
Salem,	3 "	3 "	3 "	3 "
Gloucester,	4 "	4 "	4 "	4 "
Atlantic,	1 Mar.*	2 June.	2 Sep.	2 Dec
Cape May,	2 "	1* "	1 Aug.	1* "

*Inferior Court of Common Pleas, Court of the General Quarter Sessions of the Peace, and Orphans' Court, only.

The following Courts hold their regular terms at Trenton.

DISTRICT COURT of the U. S.—Second Tuesdays of March, May, September and November.

COURT OF ERRORS AND APPEALS, *in the last resort*—Third Tuesdays of April, July, October and January.

SUPREME COURT.—First Tuesdays of January, April, July and October.

COURT OF CHANCERY.—Third Tuesdays of March June, September and December.

Courts in the State of New-York.

The Court for the trial of Impeachment and the Correction of Errors, may be held at any time during the sitting of the Legislature, on such days, and at such places, as they shall from time to time appoint.

The stated terms of the Court of Chancery, are on the fourth Mondays of May and October, in the city of New-York; and on the fourth Mondays of January and August, at the city of Albany.

The stated terms of the Vice-Chancellor, in the city of New-York, are on the first Mondays of Jan, April, July and October.

Supreme Court is held at the city of New-York, the 1st Monday in May. At the city of Utica, the 1st Monday of July. At the city of Albany, the 1st Monday in January. At the city of Rochester the 3d Monday in October.

COURTS OF COMMON PLEAS.

and General Sessions for the Counties of New York State.

☞ When the month is printed in *italics*, the Common Pleas is only held in that term.

Albany.—Second Tuesday in June and December, and 3d. do. in March, and September.

Allegany.—First Monday in February, June and October.

Broome.—First Monday in February, June and *October*.

Cattaraugus.—Last Tuesday in February, and 1st do. in June and *October*.

Cayuga.—Third Monday in January, May and September.

Chatauque.—Second Tuesday in February and October, and 4th do. in June.

Chemung.—Second Tuesday in January, April, July and October.

Chenango.—Second Monday in February, June and October.

Clinton.—First Monday in *January* and October and 2d do. in May.

Columbia.—Third Monday in February and June and do. 4th in September.

Cortland.—Second Tuesday in February, April and September.

Delaware.—Fourth Monday in February, third do. in June, and 2d do. in September and December.

Dutchess.—First Monday in February and June and last do. in September.

Erie—First Monday in March, June and October, and 2d do. in August and November.

Essex.—Second Tuesday in January and *April*, and last do. in September.

Franklin.—Last Tuesday in April and 2d do. in October.

Fulton.—Third Monday in January and 1st do. in April, August and October.

Genesee.—First Tuesday in February and 2d Tuesday in *June* and October.

Greene.—Second Monday in February, last do. in May and 1st do. in September.

Hamilton.—Third Tuesday in June and December.

Herkimer.—First Monday in February, June and October.

Jefferson.—Last Monday in February and May and 1st do. in September and December.

Kings.—Third Tuesday in January, July and October,

Lewis.—First Tuesday in January and 3d do. in April and September.

Livingston.—Last Monday in January, May and September.

Madison.—First Monday in February and October and 3d do. in June.

Munroe.—Second Monday in March and June, and 1st do. in October and December.

Montgomery.—Second Monday in March, June, September and December.

Niagara.—First Monday in February, June and September.

Oneida.—Second Monday in February, March, June, September and December.

Onondaga.—Fourth Monday in February, May, August and November.

Ontario.—Third Tuesday in February, May, August and November.

Orange.—Second Monday in February, last do. in May, and first do. in September and December.

Orleans.—Third Monday in January, June and September.

Oswego.—First Monday in February, 3d do. in June and 2d do. in October.

Otsego.—First Monday in February, 3d do. in June and 2d do. in October.

Putnam.—First Tuesday in February and 2d do. in September.

Queens.—Third Tuesday in February, 1st do. in June and last do. in October.

Rensselaer.—Last Monday in January, May and September.

Richmond.—Second Tuesday in April, Sept and *December*.

Rockland.—First Tuesday in February, 3d do. in April and November.

St. Lawrence.—Third Monday in May, September and Dec.

Saratoga.—Second Tuesday in April and July and last do. in August and December.

Schenectady.—Third Tuesday in January, last do. in April and 2d do. in October.

Schoharie.—First Monday in February, June and October.

Seneca.—First Tuesday in February and October, and 2d do. in May.

Steuben.—First Monday in March, June, Sept. and December.

Suffolk.—First Tuesday in January and October and last do. in May.

Sullivan.—Last Tuesday in January, 2d do. in June and Oct.

Tioga.—First Monday in February, June and October.

Tompkins.—Fourth Monday in January and September and 3d do. in May.

Ulster.—Second Monday in March, June, September and Dec.

Warren.—Second Tuesday in February and June, 3d do. in April and last do. in September.

Washington.—Second Tuesday in March, last do. in May and August and 1st do. in December.

Wayne.—Fourth Tuesday in January, May and September.

Westchester.—Fourth Monday in May and September and 1st do. in December.

Wyoming.—First Monday in June and 3d do. in October and February.

Yates.—Second Monday in February and November and 4th do. in May and August.

The Court of Common Pleas for the city and county of New York sits every month, commencing on the third Monday, and continues four weeks.

Superior Court of the city of New-York, is held on the first Monday of each month of the year.

Court of Oyer and Terminer for the city and county of New York, is held at the City Hall, on the third Monday in March, first Monday in May, first Monday in July, 4th Monday in September, and fourth Monday in December. Courts of Oyer and Terminer are held simultaneously with the Circuit Courts in the several counties throughout the State.

The Court of General Sessions for the city and county of New-York, is held on the 1st Monday of each month.

The Marine Court in the city of New-York, sits every day in the year, Sundays, Christmas, New Year's day, and the Fourth of July excepted.

CHARLES SCOTT.
BOOKSELLER & STATIONER,nd

43 East State-st., corner Greene,

TRENTON, N. J.

Has on hand a large stock of Goods in his line at very low prices.

SCHOOL, CLASSICAL & MISCELLANEOUS BOOKS.

AMERICAN AND FOREIGN STATIONERY, of the best quality.

FOOLSCAP AND LETTER PAPERS, NOTE PAPERS AND ENVELOPES. HARDWARE, PRINTING, TISSUE, ENVELOPE & WRAPPING PAPERS. WALL PAPERS AND BORDERS, of the Latest Styles.

GOLD PENS AND PENCILS.

FINE POCKET KNIVES.

CHANCERY AND LAW BLANKS.

Book-Binding

EXECUTED WITH NEATNESS AND DESPATCH.

C. S. would call the attention of Merchants and Manufacturers to his extensive assortment of

BLANK BOOKS,

Made of the best paper, and with his improved Elastic Binding.

Blank Books ruled and bound to any required patterns.