

va. R³

PRICE 10 CENTS

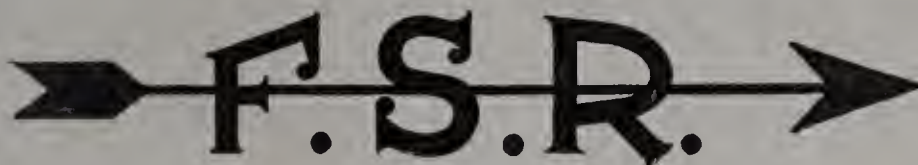
ROYSTER'S

1915

ALMANAC

IN THE YEAR OF OUR LORD
NINETEEN HUNDRED AND FIFTEEN.

TRADE MARK



REGISTERED.

Issued by

F.S. ROYSTER GUANO CO.

NORFOLK, VA.

BALTIMORE, MD.

TARBORO, N. C.

CHARLOTTE, N. C.

COLUMBIA, S. C.

SPARTANBURG, S. C.

ATLANTA, GA.

COLUMBUS, GA.

MACON, GA.

MONTGOMERY, ALA.

FOR SALE BY

CALENDAR-1915

JANUARY

Su	Mo	Tu	We	Th	Fri	Sa
					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						

FEBRUARY

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28						

MARCH

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APRIL

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AUGUST

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SEPTEMBER

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OCTOBER

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31						

NOVEMBER

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DECEMBER

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1916

JANUARY

Su	Mo	Tu	We	Th	Fri	Sa
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30	31					

FEBRUARY

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MARCH

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APRIL

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30						

MAY

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7	8	9	10	11	12	13
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21	22	23	24	25	26	27
28	29	30	31			

JUNE


				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	



To Our Friends and Customers:

IN accordance with our custom of many years, we present herewith our annual collection of interesting and useful information, the ROYSTER ALMANAC for 1915. We have spared no pains to gather new and interesting matter, but have included some used before, because of its ever recurring usefulness. Our object has been to make a compact little book of reference, which, hung on your wall, can be conveniently consulted throughout the year. If in its pages you should find somewhat of pleasure and profit, we shall be amply repaid for the labor and expense that has gone into its making.

It is with some pride and a profound sense of responsibility that the head of this company, who is also its founder, enters upon the thirtieth year of its business existence. Pride, not in the mere size to which the business has grown, but in the reputation for quality and service which underlies this growth. Responsibility toward the many thousands of Royster users, that the faith they place in the Royster brands shall be justified in even greater measure, if such be possible, than heretofore.

Should it be our privilege to supply your needs in plant-food for the coming year, you may be certain that the same management, the same policies, the same ideals that for thirty years have made Royster quality the standard of comparison, will enter into every sack of fertilizer bearing the  trade-mark.

Yours most sincerely,

F. S. ROYSTER GUANO COMPANY.

F. S. Royster
President.

598318

CALENDAR FOR 1915.

ECLIPSES.—Standard Time.

In the year 1915 there will be two Eclipses, both of the Sun.

I.—An Annular Eclipse of the Sun, February 14. Invisible to the United States. Visible to Australia, Madagascar, East Indies, Philippine Islands, Micronesia, Polynesia and adjoining oceans. Being annular along a line drawn just south of the Island of Madagascar across the Indian Ocean and the northwestern part of Australia, and terminating in the middle of the North Pacific Ocean.

II.—An Annular Eclipse of the Sun, August 10—11. Invisible to the United States. Visible to the eastern portions of China and Siberia, Philippine Islands, Japan, Micronesia, Polynesia, Sandwich Islands and the Pacific Ocean. Being annular along a line drawn just south of Japan across the Pacific Ocean between the Sandwich and Marquesas Islands, and terminating at a point in the South Pacific Ocean.

THE TWELVE SIGNS OF THE ZODIAC.

THE RAM. Aries, ♈ HEAD & FACE.

TWINS.
Gemini.
The Arms.

♊



♈

BULL.
Taurus.
The Neck.

LION.
Leo.
The Heart.

♌

♋

CRAB.
Cancer.
The Breast.

BALANCE.
Libra.
The Reins.

♎

♍

VIRGIN.
Virgo.
The Bowels.

ARCHER.
Sagittarius.
The Thighs.

♏

♍

SCORPION.
Scorpio.
The Loins.

WATERMAN.
Aquarius.
The Legs.

♐

♑

GOAT.
Capricornus
The Knees.

FISHES. Pisces. ♋ THE FEET.

THE SEASONS.

Eastern Time

Vernal Equinox (Spring begins).....	March	21 d. 11 h. 51 m. A. M.
Summer Solstice (Summer begins).....	June	22 d. 7 h. 29 m. A. M.
Autumnal Equinox (Autumn begins).....	Sept.	23 d. 10 h. 24 m. P. M.
Winter Solstice (Winter begins).....	Dec.	22 d. 5 h. 16 m. P. M.

MORNING AND EVENING STARS.

Mercury (♿) will be Evening Star about February 6, May 31, and September 27; and Morning Star about March 20, July 18 and November 7.

Venus (♀) will be Morning Star till September 12; then Evening Star the rest of the year.

Jupiter (♃) will be Evening Star till February 24; then Morning Star till September 17; and then Evening Star again the rest of the year.

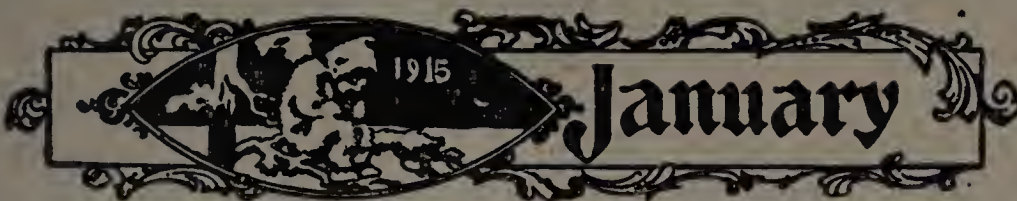
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Georgia testimonials, see pages	27 to 38 "
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For 30 years ROYSTER'S Fertilizers have maintained supremacy.

Southern Pamphlets
Rare Book Collection
UNC-Chapel Hill

1915



1915

Phas.	BOSTON			NEW YORK			WASH' TON			MOON'S SIGNS.	LATITUDE OF NORTHERN STATES			SUN SLOW	LATITUDE OF MIDDLE STATES			LATITUDE OF SOUTHERN STATES			
	F. M.	L. Q.	N. M.	F. Q.	F. M.	L. Q.	N. M.	F. Q.	F. M.		L. Q.	N. M.	F. Q.		F. M.	L. Q.	N. M.	F. Q.	F. M.	L. Q.	N. M.
	1	7 20 M.	7 20 M.	7 20 M.																	
	8	4 13 A.	4 13 A.	4 13 A.																	
	15	9 42 M.	9 42 M.	9 42 M.																	
	23	0 32 M.	0 32 M.	0 32 M.																	
	30	11 41 A.	11 41 A.	11 41 A.																	
D. M.	D. W.	<i>Historical Events</i>																			
1	F	<i>Circumcision</i>			☾	7 30	4 37	4 38	3	7 24	4 43	4 44	7 3	5 4	5 12						
2	S	Sen. Jefferson Davis died, 1913			☾	7 30	4 38	5 46	4	7 25	4 43	5 51	7 3	5 5	6 16						
1. 2d Sunday after Christmas.											Day's Length—9h. 9m.—9h. 19m.—10h. 3m.										
3	S	James R. Keene died, 1913			☾	7 30	4 39	6 56	4	7 25	4 44	7 0	7 3	5 6	7 20						
4	M	Battle of Hankow, 1912			☾	7 30	4 40	8 6	5	7 25	4 45	8 9	7 3	5 7	8 23						
5	T	Praxedes M. Sagasta died, 1903			☾	7 30	4 40	9 17	5	7 25	4 46	9 19	7 3	5 7	9 26						
6	W	<i>Epiphany</i>			☾	7 30	4 42	10 28	6	7 25	4 47	10 28	7 3	5 8	10 29						
7	T	Equitable Building Fire, 1912			☾	7 30	4 43	11 39	6	7 25	4 48	11 38	7 4	5 9	11 33						
8	F	Riots in Ecuador, 1912			☾	7 30	4 44	morn	7	7 25	4 49	morn	7 4	5 10	morn						
9	S	Mississippi seceded, 1861			☾	7 29	4 45	0 54	7	7 24	4 50	0 51	7 4	5 11	0 41						
2. 1st Sunday after Epiphany.											Day's Length—9h. 17m.—9h. 27m.—10h. 7m.										
10	S	Wm. R. Harper died, 1906			☾	7 29	4 46	2 11	7	7 24	4 51	2 7	7 4	5 11	1 50						
11	M	Steamer Russ sank, 1912			☾	7 29	4 47	3 29	8	7 24	4 52	3 23	7 4	5 12	3 1						
12	T	Norvin Green died, 1903			☾	7 28	4 48	4 46	8	7 24	4 53	4 39	7 4	5 13	4 12						
13	W	Judge Archbald removed, 1913			☾	7 28	4 49	5 58	9	7 24	4 54	5 51	7 3	5 14	5 22						
14	T	Earthquake in Jamaica, 1907			☾	7 28	4 50	6 57	9	7 23	4 55	6 50	7 3	5 15	6 23						
15	F	Caspian Sea Disaster, 1912			☾	7 27	4 51	sets	9	7 23	4 56	sets	7 3	5 16	sets						
16	S	Henry Labouchere died, 1912			☾	7 27	4 52	6 13	10	7 22	4 57	6 17	7 3	5 17	6 36						
3. 2d Sunday after Epiphany.											Day's Length—9h. 26m.—9h. 36m.—10h. 15m.										
17	S	P C. Knox, Senator, 1905			☾	7 27	4 53	7 26	10	7 22	4 58	7 29	7 3	5 18	7 42						
18	M	Steamer Wistow Hall lost, 1912			☾	7 26	4 55	8 35	10	7 21	5 0	8 36	7 2	5 19	8 43						
19	T	Paul Morton died, 1911			☾	7 25	4 56	9 40	11	7 21	5 1	9 40	7 2	5 20	9 41						
20	W	Cyclone in Winona, Minn. 1912			☾	7 25	4 57	10 44	11	7 20	5 2	10 43	7 2	5 20	10 38						
21	T	Elisha Gray died, 1901			☾	7 24	4 58	11 47	11	7 20	5 3	11 44	7 1	5 21	11 35						
22	F	James T. Harahan killed, 1912			☾	7 24	5 0	morn	12	7 19	5 4	morn	7 1	5 22	morn						
23	S	Str. Republic in Collision, 1909			☾	7 23	5 1	0 51	12	7 19	5 6	0 47	7 1	5 23	0 33						
4. 3d Sunday after Epiphany.											Day's Length—9h. 40m.—9h. 49m.—10h. 24m.										
24	S	Senator R. A. Alger died, 1907			☾	7 22	5 2	1 55	12	7 18	5 7	1 50	7 0	5 24	1 30						
25	M	<i>Conversion of St. Paul</i>			☾	7 21	5 3	2 58	12	7 17	5 8	2 52	7 0	5 25	2 28						
26	T	Henry M. Field died, 1907			☾	7 21	5 5	3 59	13	7 17	5 9	3 52	6 59	5 26	3 25						
27	W	James G. Blaine died, 1893			☾	7 20	5 6	4 57	13	7 16	5 10	4 50	6 59	5 27	4 21						
28	T	Great Flood in Paris, 1910			☾	7 19	5 7	5 49	13	7 15	5 11	5 42	6 58	5 28	5 14						
29	F	Stuart Mine Disaster, 1907			☾	7 18	5 8	6 32	13	7 14	5 12	6 26	6 58	5 29	6 1						
30	S	Wm. Goebel assassinated, 1900			☾	7 17	5 10	rises.	13	7 13	5 14	rises.	6 57	5 30	rises.						
5. Septuagesima Sunday.											Day's Length—9h. 56m.—10h. 3m.—10h. 34m.										
31	S	Fred. H. Wines died, 1912			☾	7 16	5 12	5 55	14	7 12	5 15	5 55	6 57	5 31	6 12						

WEATHER PREDICTIONS.—1-3, clear and fair; 4-9, cold wave; 10-12, cloudy and snow; 13-17, milder and thawing; 18-21, clear and cold; 22-26, blizzards; 27-31, very cold.

SOUTHAMPTON COUNTY.

Branchville, Va., R. F. D., 18-25-14.
 F. S. Royster Guano Co., Norfolk, Va.:
 Gentlemen—I used another man's goods last year on account of a little better price offered, and I must say it proved to my hurt. I went back using Royster's goods and I find that Royster's 8-2-2 goods are far better than a lot of other 8-3-3 goods. Royster's FARMERS' BONE is hard to excel for the money. Yours very truly,
 Bought of GEO. E. THOMPSON.
 W. R. Sykes, Branchville, Va.

POWHATTAN COUNTY.

Pine Creek Mills, Va., Aug. 24, 1914.
 F. S. Royster Guano Co., Norfolk, Va.:
 Gentlemen—We have tested it side by side with other fertilizer on the same soil and under the same conditions and found Royster's to be the best. You need not go to any extra expense and trouble advertising your guano. Keep it up to the present standard and it will advertise itself. Yours very truly,
 Bought of PARIS BROS.
 F. C. Nichols, Pine Creek Mills, Va.

Satisfied users account for ROYSTER'S steady increase.

**APPROXIMATE VALUES OF FOREIGN COINS IN
UNITED STATES MONEY.**

Country	Standard	Monetary Unit	Value in Terms of U. S. Gold Dollar							
Argentine Republic	Gold	Peso	\$0.965							
Austria-Hungary	Gold	Crown	.203							
Belgium	Gold and Silver	Franc	.193							
Bolivia	Gold	Boliviano	.389							
Brazil	Gold	Milreis	.546							
British Honduras	Gold	Dollar	1.00							
British Possessions										
N. A.	Gold	Dollar	1.00							
Costa Rica	Gold	Colon	.465							
Guatemala	Silver	Peso	.383							
Honduras	Silver	Peso	.383							
Nicaragua	Silver	Peso	.383							
Salvador	Silver	Peso	.383							
Chile	Gold	Peso	.365							
China	Silver	Tael	<table style="display: inline-table; vertical-align: middle;"> <tr> <td rowspan="3" style="font-size: 2em; vertical-align: middle;">}</td> <td>Shanghai</td> <td>.676</td> </tr> <tr> <td>Canton</td> <td>.738</td> </tr> <tr> <td>Haikwan</td> <td>.753</td> </tr> </table>	}	Shanghai	.676	Canton	.738	Haikwan	.753
}	Shanghai	.676								
	Canton	.738								
	Haikwan	.753								
Columbia	Gold	Dollar	1.00							
Cuba	Gold	Peso	.926							
Denmark	Gold	Crown	.268							
Ecuador	Gold	Sucre	.487							
Egypt	Gold	Pound (100 piastres)	4.943							
Finland	Gold	Mark	.193							
France	Gold and Silver	Franc	.193							
German Empire	Gold	Mark	.238							
Great Britain	Gold	Pound Sterling	4.866½							
Greece	Gold and Silver	Drachma	.293							
Haiti	Gold	Gourde	.965							
India	Gold	Rupee	.324½							
Italy	Gold and Silver	Lira	.193							
Japan	Gold	Yen	.489							
Liberia	Gold	Dollar	1.00							
Mexico	Gold	Peso	.498							
Netherlands	Gold	Florin	.462							
Newfoundland	Gold	Dollar	1.014							
Norway	Gold	Crown	.268							
Panama	Gold	Balboa	1.00							
Persia	Gold and Silver	Kran	.1704							
Peru	Gold	Libra	4.866½							
Philippine Islands	Gold	Peso	.50							
Portugal	Gold	Milreis	1.080							
Roumania	Gold	Lei	.193							
Russia	Gold	Ruble	.515							
Santo Domingo	Gold	Dollar	1.00							
Siam	Gold	Dinor	.193							
Servia	Gold	Tical	.3708							
Spain	Gold and Silver	Peseta	.193							
Straits Settlements	Gold	Crown	.268							
Sweden	Gold	Krone	.27							
Switzerland	Gold	Franc	.193							
Turkey	Gold	Piaster	.044							
Uruguay	Gold	Peso	1.034							
Venezuela	Gold	Bolivar	.193							

PRINCESS ANNE COUNTY.

Back Bay, Va., R. No. 1, 8-15-14.

F. S. Royster Guano Co., Norfolk, Va.:

Gentlemen—I have used five tons of Royster's guano this year to try it. I will use more next year if I can get it. You could tell the difference in the potatoes and now can see a difference where I used Royster's guano for corn and hay.

Yours very truly,
J. J. DREWREY.

Bought of
Mr. T. J. Waterfield, Back Bay, Va.

PRINCE EDWARD COUNTY.

Rice, Va., Sept. 10, 1914.

F. S. Royster Guano Co., Norfolk, Va.:

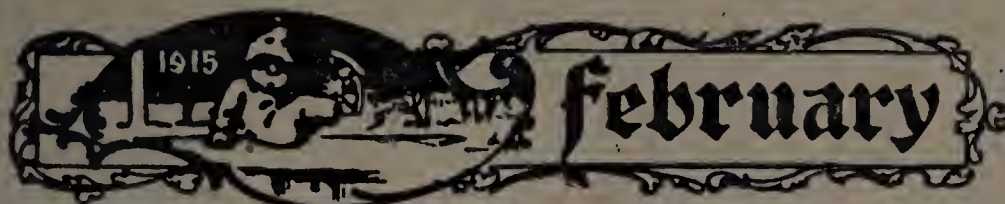
Gentlemen—I have used Royster's guano for several years along side of other 8-3-3 goods costing more money, and find Royster's as good as any I have ever used for bright tobacco. The bright tobacco raiser will make no mistake in using ORINOCO. Yours very truly,

R. B. WALTHALL.

Bought of
W. H. Hubbard, Rice, Va.

**ROYSTER'S Fertilizers give correct as well as plentiful food
to the growing plant.**

1915



1915

Phas.	BOSTON			NEW YORK	WASH'TON	MOON'S SIGNS.	LATITUDE OF NORTHERN STATES			SUN SLOW	LATITUDE OF MIDDLE STATES			LATITUDE OF SOUTHERN STATES		
	D. H. M.	H. M.	H. M.	H. M.	Sun rises		Sun sets	Moon rises	Sun rises		Sun sets	Moon rises	Sun rises	Sun sets	Moon rises	
L. Q.	7 0 11 M.	0 11 M.	0 11 M.	0 11 M.	7 15	5 13	7 5	14 7 11	5 16	7 7	6 56	5 33	7 17			
N. M.	13 11 31 A.	11 31 A.	11 31 A.	11 31 A.	7 14	5 14	8 17	14 7 10	5 18	8 18	6 55	5 32	8 21			
F. Q.	21 9 58 A.	9 58 A.	9 58 A.	9 58 A.	7 13	5 15	9 29	14 7 10	5 19	9 28	6 55	5 34	9 26			

D. M.	D. W.	Historical Events	MOON'S SIGNS.	Sun rises	Sun sets	Moon rises	SUN SLOW	Sun rises	Sun sets	Moon rises	Sun rises	Sun sets	Moon rises
1	M	Admiral Sperry died, 1911	☾	7 15	5 13	7 5	14	7 11	5 16	7 7	6 56	5 33	7 17
2	T	Purification—Candlemas	☾	7 14	5 14	8 17	14	7 10	5 18	8 18	6 55	5 32	8 21
3	W	George W Childs died, 1894	☾	7 13	5 15	9 29	14	7 10	5 19	9 28	6 55	5 34	9 26
4	T	Kentucky's Pass. rescued, 1910	☾	7 12	5 17	10 43	14	7 9	5 20	10 41	6 54	5 35	10 32
5	F	Thomas Carlyle died, 1881	☾	7 11	5 18	11 59	14	7 8	5 21	11 55	6 53	5 35	11 41
6	S	Fort Henry captured, 1862	☾	7 10	5 19	morn	14	7 7	5 23	morn	6 52	5 36	morn

6. Sexagesima Sunday. Day's Length—10h. 11m.—10h. 18m.—10h. 46m.

7	S	Great Fire in Baltimore, 1904	☾	7 9	5 20	1 17	14	7 6	5 24	1 12	6 52	5 38	0 51
8	M	Gen. John R. Lewis died, 1900	☾	7 8	5 22	2 34	14	7 4	5 25	2 28	6 51	5 38	2 2
9	T	Rev F. D. Talmage died, 1912	☾	7 7	5 23	3 46	14	7 3	5 26	3 39	6 50	5 39	3 10
10	W	Steamer Gen. Chanzy lost, 1910	☾	7 6	5 25	4 48	14	7 2	5 28	4 41	6 49	5 40	4 13
11	T	Dr. Joseph Lister died, 1912	☾	7 4	5 26	5 37	14	7 1	5 29	5 31	6 49	5 41	5 5
12	F	Chinese Emperor resigned, 1912	☾	7 2	5 27	6 16	14	7 0	5 30	6 11	6 48	5 42	5 50
13	S	Louis Heilprln died, 1912	☾	7 1	5 28	sets	14	6 58	5 31	sets	6 47	5 43	sets

7. Quinquagesima Sunday. Day's Length—10h. 30m.—10h. 35m.—10h. 58m.

14	S	St. Valentine's Day	☾	7 0	5 30	6 14	14	6 57	5 32	6 16	6 46	5 44	6 25
15	M	Gen. Lew Wallace died, 1905	☾	6 59	5 31	7 23	14	6 56	5 33	7 24	6 45	5 45	7 27
16	T	Dr. Wm. Everett died, 1910	☾	6 58	5 32	8 28	14	6 54	5 35	8 27	6 44	5 46	8 25
17	W	Ash Wednesday	☾	6 56	5 33	9 32	14	6 53	5 36	9 30	6 43	5 46	9 23
18	T	Pres. Madero deposed, 1913	☾	6 55	5 35	10 35	14	6 52	5 37	10 32	6 42	5 47	10 20
19	F	Strike at Philadelphia, 1910	☾	6 53	5 36	11 40	14	6 51	5 38	11 36	6 41	5 48	11 18
20	S	Cyclone in Shreveport, 1912	☾	6 52	5 37	morn	14	6 49	5 40	morn	6 40	5 49	morn

8. 1st Sunday in Lent. Day's Length—10h. 48m.—10h. 53m.—11h. 11m.

21	S	Conflagration at Houston, 1912	☾	6 50	5 38	0 45	14	6 48	5 41	0 39	6 39	5 50	0 17
22	M	Atlantic Fleet returned, 1909	☾	6 49	5 39	1 47	14	6 46	5 42	1 41	6 38	5 51	1 14
23	T	Italy annexed Tripoli, 1912	☾	6 47	5 41	2 45	14	6 45	5 43	2 38	6 37	5 51	2 10
24	W	St. Matthias	☾	6 46	5 42	3 38	13	6 43	5 45	3 31	6 35	5 52	3 2
25	T	David B. Henderson died, 1906	☾	6 44	5 43	4 25	13	6 42	5 46	4 18	6 34	5 53	3 51
26	F	N. O Docks burnt, 1905	☾	6 43	5 45	5 4	13	6 40	5 47	4 58	6 33	5 54	4 35
27	S	Rebels took Juarez, 1912	☾	6 41	5 46	5 37	13	6 39	5 48	5 32	6 32	5 55	5 14

9. 2d Sunday in Lent. Day's Length—11h. 8m.—11h. 11m.—11h. 25m.

28	S	Landslide at Burke, Idaho, 1910	☾	6 39	5 47	6 5	13	6 38	5 49	6 2	6 31	5 56	5 50
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WEATHER PREDICTIONS.—1-4, stormy; 5-8, cloudy and snow; 9-12, cold wave; 13-17, mild and thawing; 18-22, snow flurries; 23-26, changeable; 27-28, clear and colder.

PITTSYLVANIA COUNTY.

Chatham, Va., Sept. 10, 1914.

F. S. Royster Guano Co., Norfolk, Va.:
Gentlemen—I have been using the Royster guano for several years, and I am well pleased with it in every way. I do not think there is any better fertilizer on the market. I expect to continue using it and I also say that it gives me better results than any other fertilizer I have ever used. Yours very truly,
J. T. MOTLEY.
Bought of
T. J. Patterson Sons Co., Chatham, Va.

HALIFAX COUNTY.

Scottsburg, Va., Sept. 7, 1914.

F. S. Royster Guano Co., Norfolk, Va.:
Gentlemen—For many years I have been using Royster's ORINOCO tobacco guano and I have used it beside other higher grades of guano, and always have better tobacco on the ORINOCO. Your tobacco will grow pretty, cure pretty and bring the highest prices. I want it always and no other. Yours very truly,
C. H. DISMUKES.
Bought of
Spencer & Lacy, Scottsburg, Va.

For availability of food-elements ROYSTER'S are unapproachable.

WEIGHTS AND MEASURES.

Troy Weight—24 grains = 1 pwt.; 20 pwts. = 1 ounce; 12 ounces = 1 pound. Used for weighing gold, silver and jewels.

Apothecaries' Weight—20 grains = 1 scruple; 3 scruples = 1 dram; 8 drams = 1 ounce; 12 ounces = 1 pound. The ounce and pound in this are the same as in Troy Weight.

Avoirdupois Weight—27 11-32 grains = 1 dram; 16 drams = 1 ounce; 16 ounces = 1 pound; 100 pounds = 1 cwt.; 2000 pounds = 1 short ton; 2240 pounds = 1 long ton.

1 oz. Troy = 480 grs.; 1 oz. Avoir. = 437½ grs.; 1 lb. Troy = 5760 grs.; 1 lb. Avoir. = 7000 grs.

Dry Measure—2 pints = 1 quart; 8 quarts = 1 peck; 4 pecks = 1 bu.;

Liquid Measure—4 gills = 1 pint; 2 pints = 1 quart; 4 quarts = 1 gallon; 31½ gallons = 1 barrel; 2 barrels = 1 hogshead. Barrels and hogsheads vary in size.

Time Measure—60 seconds = 1 minute; 60 minutes = 1 hour; 24 hours = 1 day; 7 days = 1 week; 28, 29, 30 or 31 days = 1 calendar month (30 days = 1 month in computing interest); 365 days = 1 year; 366 days = 1 leap year.

Circular Measure—60 seconds = 1 minute; 60 minutes = 1 degree; 30 degrees = 1 sign; 90 degrees = 1 quadrant; 4 quadrants = 12 signs or 360 degrees = 1 circle.

Mariners' Measure—6 feet = 1 fathom; 120 fathoms = 1 cable length; 7¼ cable lengths = 1 mile; 5280 feet = 1 stat. mile; 6085 ft. = 1 naut. mile.

Miscellaneous—4 inches = 1 hand; 18 inches = 1 cubit; 21.8 inches = 1 Bible cubit; 2½ feet = 1 military pace.

Square Measure—144 sq. inches = 1 sq. foot; 9 sq. feet = 1 sq. yard; 30¼ sq. yards = 1 sq. rod; 40 sq. rods = 1 rood; 4 roods = 1 acre; 640 acres = 1 sq. mile.

Surveyor's Measure—7.92 inches = 1 link; 25 links = 1 rod; 4 rods = 1 chain; 10 sq. chains or 160 sq. rods = 1 acre. 640 acres = 1 sq. mile or section; 36 sq. miles (6 miles square) = 1 township.

Cubic Measure—1728 cubic inches = 1 cubic foot; 27 cubic feet = 1 cubic yard; 2150.42 cubic inches = 1 standard bushel; 231 cubic inches = 1 standard gallon; 1 cubic foot = about 4-5 of a bushel; 128 cubic feet = 1 cord (wood); 40 cubic feet = 1 ton (shipping).

Metric Equivalent—Linear—1 centimeter = 0.3937 inches; 1 decimeter = 3.937 inches = 0.328 feet; 1 meter = 39.37 inches = 1.0936 yards; 1 dekameter = 1.9884 rods; 1 kilometer = 0.62137 miles.

Square—1 sq. centimeter = 0.1550 sq. inches; 1 sq. decimeter = 0.1076 sq. ft.; 1 sq. meter = 1.196 sq. yards; 1 arc = 3954 sq. rods; 1 hektar = 2.47 acres; 1 sq. kilometer = 0.386 sq. miles.

Volume—1 cubic centimeter = 0.061 cubic in.; 1 cubic decimeter = 0.0353 cubic ft.; 1 cubic meter = 1.308 cubic yds.; 0.2759 cd. 1 liter = 0.908 qt. dry; 1057 qts., liq. 1 dekaliter = 2.6417 gals. .135 peck; 1 hektoliter = 2.8375 bus.

Weights—1 gram = 0.03527 ounce; 1 kilogram = 2.2046 lbs.; 1 metric ton = 1.1023 English tons.

GREENVILLE COUNTY.

Pleasant Shade, Va., Sept. 7, 1914.

F. S. Royster Guano Co., Norfolk, Va.:

Gentlemen—I have been using Royster's goods for two years and find it makes finer tobacco for me than any other grades I have ever used. I have used several other kinds but I find none that I like as well as Royster's. I have been getting premiums on the samples of tobacco for two years.

Yours truly, W. E. MASON.

Bought of
K. J. Rogers, Freeman, Va.

AMELIA COUNTY.

Jetersville, Va., Sept. 12, 1914.

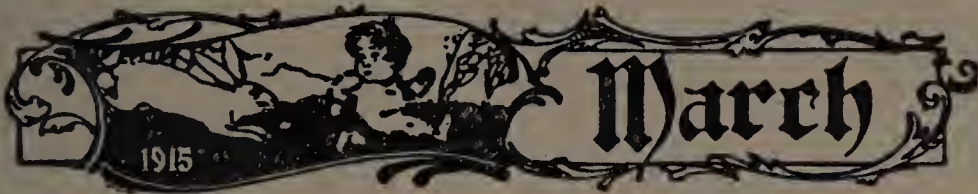
F. S. Royster Guano Co., Norfolk, Va.:

Gentlemen—I used about the lowest grade of Royster's tobacco fertilizer and it has proven to be better than some brands of much higher price. My neighbor used three brands of much higher price and he says that my tobacco is the best in the neighborhood. Yours truly,

CHURCHILL BOOKER.
Bought of
A. L. BARDEN & SONS, Jetersville, Va.

Don't simply ask for fertilizer: ask for ROYSTER'S.

1915



1915

(Phas.)	BOSTON	NEW YORK	WASH' TON	MOON'S SIGNS.	LATITUDE OF NORTHERN STATES				LATITUDE OF MIDDLE STATES			LATITUDE OF SOUTHERN STATES		
F. M.	1 1 33 A.	1 33 A.	1 33 A.		Sun rises	Sun sets	Moon rises	SUN SLOW	Sun rises	Sun sets	Moon rises	Sun rises	Sun sets	Moon rises
L. Q.	8 7 28 M.	7 28 M.	7 28 M.	H. M.	M. M.	H. M.	M.	H. M.	M. M.	M. M.	H. M.	M. M.	M. M.	
N. M.	15 2 42 A.	2 42 A.	2 42 A.											
F. Q.	23 5 48 A.	5 48 A.	5 48 A.											
F. M.	31 0 38 M.	0 38 M.	0 38 M.											

D. M.	D. W.	Historical Events	MOON'S SIGNS.	Sun rises	Sun sets	Moon rises	SUN SLOW	Sun rises	Sun sets	Moon rises	Sun rises	Sun sets	Moon rises
1	M	St David	☾	6 38	5 48	5 59	13	6 36	5 50	6 0	6 30	5 56	6 6
2	T	Engl. Coal Miners' Strike, 1912	☾	6 36	5 50	7 13	12	6 35	5 51	7 13	6 29	5 57	7 12
3	W	Juneau Mine Explosion, 1910	☾	6 35	5 51	8 28	12	6 33	5 52	8 26	6 27	5 58	8 20
4	T	Woodrow Wilson inaug., 1913	☾	6 33	5 52	9 46	12	6 31	5 53	9 43	6 26	5 59	9 30
5	F	General Strike in Philadel., 1910	☾	6 32	5 53	11 6	12	6 30	5 54	11 1	6 25	6 0	10 42
6	S	Fort Janina surrendered, 1913	☾	6 30	5 54	morn	12	6 28	5 55	morn	6 23	6 0	11 53

10. 3d Sunday in Lent. Day's Length—11h. 28m.—11h. 30m.—11h. 39m.

7	S	Str. Alum Chine Explos., 1913	☾	6 28	5 56	0 24	11	6 27	5 57	0 18	6 22	6 1	morn
8	M	Jake Schaefer died, 1910	☾	6 27	5 57	1 38	11	6 25	5 58	1 31	6 21	6 2	1 3
9	T	Laffin-Rand Explosion, 1911	☾	6 25	5 58	2 42	11	6 24	5 59	2 35	6 20	6 3	2 6
10	W	Standard Oil Co acquitted, 1909	☾	6 23	5 59	3 35	11	6 22	6 0	3 29	6 18	6 4	3 2
11	T	Cuba ratifies Treaty, 1903	☾	6 21	6 0	4 17	10	6 21	6 1	4 11	6 17	6 4	3 49
12	F	Battleship Jena Explosion, 1907	☾	6 19	6 1	4 50	10	6 19	6 2	4 45	6 16	6 5	4 28
13	S	Benjamin Harrison died, 1901	☾	6 18	6 3	5 16	10	6 17	6 3	5 13	6 15	6 6	5 1

11. 4th Sunday in Lent. Day's Length—11h. 48m.—11h. 49m.—11h. 54m.

14	S	Dr. L. Windthorst died, 1891	☾	6 16	6 4	5 39	10	6 15	6 4	5 37	6 13	6 7	5 31
15	M	61st Congress opened, 1909	☾	6 15	6 5	sets	9	6 14	6 5	sets	6 12	6 7	sets
16	T	Wreck of "Maine" sunk, 1912	☾	6 13	6 6	7 18	9	6 12	6 6	7 17	6 11	6 8	7 12
17	W	St. Patrick's Day	☾	6 11	6 7	8 22	9	6 11	6 7	8 19	6 10	6 9	8 9
18	T	King George assassinated, 1913	☾	6 9	6 9	9 26	8	6 9	6 8	9 22	6 8	6 9	9 6
19	F	Thomas B. Aldrich died, 1907	☾	6 8	6 10	10 30	8	6 8	6 10	10 25	6 7	6 10	10 4
20	S	McCurtain Mine Explos., 1912	☾	6 6	6 11	11 34	8	6 6	6 11	11 28	6 6	6 11	11 3

12. 5th Sunday in Lent. Day's Length—12h. 8m.—12h. 8m.—12h. 8m.

21	S	Spring begins	☾	6 4	6 12	morn	8	6 4	6 12	morn	6 4	6 12	morn
22	M	Sen. Wm. Jas. Bryan, Jr. d. 1908	☾	6 2	6 13	0 34	7	6 2	6 13	0 27	6 3	6 12	0 0
23	T	Cyclone in Omaha, 1913	☾	6 1	6 14	1 29	7	6 1	6 14	1 22	6 2	6 13	0 53
24	W	Jules Verne died, 1905	☾	5 59	6 15	2 18	7	5 59	6 15	2 11	6 0	6 14	1 44
25	T	Annunciation	☾	5 57	6 16	2 59	6	5 58	6 16	2 53	5 59	6 14	2 28
26	F	Adrianople taken, 1913	☾	5 55	6 18	3 33	6	5 56	6 17	3 28	5 58	6 15	3 7
27	S	Cyclone in Louisville, 1897	☾	5 54	6 19	4 2	6	5 54	6 18	3 58	5 56	6 15	3 42

13. Palm Sunday. Day's Length—12h. 28m.—12h. 27m.—12h. 21m.

28	S	Palm Sunday	☾	5 52	6 20	4 28	5	5 52	6 19	4 25	5 55	6 16	4 16
29	M	Mrs. Farmer electrocuted, 1909	☾	5 50	6 21	4 52	5	5 51	6 20	4 51	5 54	6 17	4 47
30	T	Alaska purchased, 1867	☾	5 48	6 22	5 14	5	5 49	6 21	5 14	5 52	6 18	5 17
31	W	John P. Morgan died, 1913	☾	5 47	6 23	rises.	4	5 48	6 22	rises.	5 51	6 18	rises.

WEATHER PREDICTIONS.—1-3, clear and mild; 4-8, stormy; 9-12, rain or snow; 13-17, fair and colder; 18-21, disagreeable; 22-26, milder; 27-31, clear and colder.

ALEXANDER COUNTY.

Stony Point, N. C., Sept. 8, 1914.

F. S. Royster Guano Co., Norfolk, Va.:

Gentlemen—I have been using the celebrated F. S. Royster Guano for near 30 years, and it gives the best results. Will use no other as long as I can get Royster's. Yours truly,

J. D. BROWN.

Bought of

B. F. Hines, Stony Point, N. C.

ALAMANCE COUNTY.

Union Ridge, N. C., Sept. 11, 1914.

F. S. Royster Guano Co., Norfolk, Va.:

Gentlemen—I have been using Royster's fertilizer for fifteen years, and I find it invariably the best for our soil. I get the highest prices for tobacco raised from ORINOCO than from any other guano I use. I expect to use it again. Yours truly,

A. B. FLORANCE.

Bought of

J. C. Walker, Union Ridge, N. C.

There is a leader in every line. In fertilizer it's ROYSTER.

RATES OF POSTAGE, CLASSIFICATION, ETC.

Fourth-class Matter Embraces that known as domestic parcel post mail, and includes merchandise, farm and factory products, seeds, cuttings, bulbs, roots, scions, and plants, books (including catalogs), miscellaneous printed matter weighing more than 4 pounds, and all other mailable matter not embraced in the first, second, and third classes.

Extent and Usefulness of Parcel Post.—The domestic parcel post offers a convenient, quick, and efficient means of transporting mailable parcels to any postoffice in the United States or its possessions. Special treatment and advantages are accorded to shipments of farm products weighing between 20 and 50 pounds. Low postage rates, based on the service rendered, are provided. The rates to nearby zones are particularly advantageous. Parcels may be insured against loss and may be sent C. O. D.

Rates of Postage on Fourth Class or Parcel Post Matter—To be Fully Prepaid—Unsealed—are as follows:

(a) Parcels weighing 4 ounces or less, except books, seeds, plants, etc., 1 cent for each ounce or fraction thereof, any distance.

(b) Parcels weighing 8 ounces or less containing books, seeds, cuttings, bulbs, roots, scions, and plants, 1 cent for each 2 ounces or fraction thereof, regardless of distance.

(c) Parcels weighing more than 8 ounces containing books, seeds, plants, etc., parcels of miscellaneous printed matter weighing more than 4 pounds, and all other parcels of fourth-class matter weighing more than 4 ounces are chargeable, according to distance or zone, at the pound rates shown in the table on Page 10, a fraction of a pound being considered a full pound.

The local rate applies to parcels mailed under the following conditions:

(1) At any postoffice for local delivery at such office.

(2) At any city letter-carrier office, or at any point within its delivery limits, for delivery by carriers from that office.

(3) At any postoffice from which a rural route starts, for delivery on such route, or when mailed at any point on a rural route for delivery at any other point thereon, or at the office from which the route starts, or for delivery on any other rural route starting from the same office.

The Limit of Weight of fourth-class matter is 50 pounds for parcels mailed for delivery within the first and second zones, and 20 pounds for all other zones.

Name and Address of Sender.—A parcel of fourth-class matter may not be accepted for mailing unless it bears the name and address of the sender, which should be preceded by the word "From."

Place of Mailing.—Parcels of fourth-class matter weighing more than four ounces must be mailed at a postoffice, branch postoffice, named, numbered, or lettered station, or delivered to a rural or other carrier duly authorized to receive such matter. Parcels weighing four ounces or less may be deposited in letter or package boxes.

CUMBERLAND COUNTY.

Cedar Creek, N. C., R. F. D. No. 1,
Sept 11, 1914.

F. S. Royster Guano Co., Norfolk, Va.:
Gentlemen—I used Royster's fertilizers this year, and find them to give better results than any other brand I ever used. I have the best crop I ever had and better than those around me, who used other brands of fertilizer. With best wishes for success, I am,

Yours very truly,

Bought of C. P. ROLLINS.
Frank Carr, Cedar Creek, N. C.

CAMDEN COUNTY.

Belcross, N. C., Sept. 10, 1914.

F. S. Royster Guano Co., Norfolk, Va.:
Gentlemen—I have been using Royster's fertilizer for many years and other goods, too, but must say Royster's has given better satisfaction than any on the market. The increase is so much greater from Royster's goods. My crops are two-thirds better by using Royster's goods. Yours very truly,

HENRY MORRISETTE.

Bought of
A. Sawyer Sons & Co.

There is never economy in cut-rate Fertilizer: ROYSTER'S are always worth what you pay for them.

1915



1915

(Phas.)	BOSTON	NEW YORK	WASH'TON	MOON'S SIGNS.	LATITUDE OF NORTHERN STATES			SUN SLOW	LATITUDE OF MIDDLE STATES			LATITUDE OF SOUTHERN STATES		
L. Q.	D. H. M.	H. M.	H. M.		Sun rises	Sun sets	Moon rises		Sun rises	Sun sets	Moon rises	Sun rises	Sun sets	Moon rises
N.M.	6 3 12 A.	3 12 A.	3 12 A.		H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.		
F. Q.	14 6 36 M.	6 36 M.	6 36 M.		H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.		
F. M.	22 10 39 M.	10 39 M.	10 39 M.		H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.		
D. M.	29 9 19 M.	9 19 M.	9 19 M.		H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.		

Historical Events				MOON'S SIGNS.	Sun rises	Sun sets	Moon rises	SUN SLOW	Sun rises	Sun sets	Moon rises	Sun rises	Sun sets	Moon rises
1	T	Steamer Atlantic lost, 1873			5 45	6 24	8 44		4 5 46	6 23	8 40	5 49	6 19	8 23
2	F	Good Friday			5 43	6 25	10 6		4 5 44	6 24	10 0	5 49	6 20	9 38
3	S	Flood in Memphis, 1912			5 41	6 26	11 24		4 5 43	6 25	11 17	5 47	6 21	10 50

14. Easter Sunday. Day's Length—12h. 47m.—12h. 45m.—12h. 35m.

4	S	Easter Sunday			5 40	6 27	morn		3 5 41	6 26	morn	5 46	6 21	11 59
5	M	Admiral Thatcher died, 1880			5 38	6 29	0 35		3 5 39	6 27	0 28	5 44	6 22	morn
6	T	Peary discov'd North Pole, 1909			5 36	6 30	1 33		3 5 38	6 28	1 26	5 43	6 23	0 59
7	W	P. T. Barnum died, 1891			5 34	6 31	2 18		2 5 36	6 29	2 12	5 42	6 23	1 49
8	T	Earthquake in Mexico, 1911			5 33	6 32	2 53		2 5 35	6 31	2 48	5 41	6 24	2 29
9	F	F. Marion Crawford died, 1909			5 31	6 33	3 20		2 5 33	6 32	3 17	5 39	6 25	3 3
10	S	Tom L. Johnson died, 1911			5 30	6 34	3 43		2 5 31	6 33	3 41	5 38	6 26	3 33

15. Low Sunday. Day's Length—13h. 8m.—13h. 5m.—12h. 49m.

11	S	Gen. F. D. Grant died, 1912			5 28	6 30	4 4		1 5 29	6 34	4 3	5 37	6 26	4 0
12	M	Miss Clara Barton died, 1912			5 26	6 37	4 24		1 5 28	6 35	4 24	5 36	6 27	4 27
13	T	Sam. J. Randall died, 1890			5 24	6 38	4 43		1 5 26	6 36	4 45	5 34	6 28	4 52
14	W	Sen. M. C. Butler died, 1909			5 23	6 39	sets		0 5 25	6 37	sets	5 33	6 28	sets
15	T	Steamer Titanic sank, 1912			5 21	6 40	8 18		0 5 23	6 38	8 13	5 32	6 29	7 54
16	F	C. V. de Grimm died, 1896			5 20	6 41	9 22		f. 5 22	6 39	9 16	5 31	6 30	8 53
17	S	Sanford C. Hill died, 1871			5 18	6 42	10 23		0 5 20	6 40	10 17	5 29	6 30	9 50

16. 2d Sunday after Easter. Day's Length—13h. 27m.—13h. 22m.—13h. 3m.

18	S	Earthq. at San Francisco, 1906			5 16	6 43	11 21		0 5 19	6 41	11 14	5 28	6 31	10 46
19	M	Adm. A. Taylor died, 1891			5 15	6 44	morn		1 5 17	6 42	morn	5 27	6 32	11 37
20	T	Mulga Mine Explosion, 1910			5 13	6 45	0 12		1 5 16	6 43	0 5	5 26	6 33	morn
21	W	Cyclone in Illinois and Ind. 1912			5 12	6 47	0 56		1 5 14	6 44	0 50	5 25	6 33	0 24
22	T	Cyclone in Georgia and Ala. 1912			5 10	6 48	1 32		1 5 13	6 45	1 27	5 24	6 34	1 4
23	F	St. George			5 8	6 49	2 2		2 5 11	6 46	1 58	5 23	6 35	1 40
24	S	Steamer Asia lost, 1911			5 7	6 50	2 28		2 5 10	6 47	2 25	5 22	6 36	2 13

17. 3d Sunday after Easter. Day's Length—13h. 46m.—13h. 40m.—13h. 16m.

25	S	St. Mark			5 5	6 51	2 52		2 5 8	6 48	2 50	5 20	6 36	2 44
26	M	Great Fire at Damascus, 1912			5 4	6 52	3 14		2 5 7	6 49	3 14	5 19	6 37	3 13
27	T	Cyclone in Oklahoma, 1912			5 2	6 53	3 37		2 5 5	6 50	3 38	5 18	6 37	3 43
28	W	Secy. Dickinson resigned, 1911			5 1	6 54	4 2		2 5 4	6 51	4 5	5 17	6 38	4 16
29	T	Mine Explosion in Ala., 1912			5 0	6 56	rises.		3 5 3	6 52	rises.	5 16	6 39	rises.
30	F	Steamer Texas blown up, 1912			4 59	6 57	8 59		3 5 2	6 53	8 53	5 15	6 40	8 28

WEATHER PREDICTIONS.—1-3, snow flurries; 4-8, pleasant; 9-13, cloudy and rain; 14-17, clear and cool; 18-21, changeable; 22-24, light frost; 25-30, clear and fair.

CLEVELAND COUNTY.

Cherryville, N. C., Aug. 25, 1914.
 F. S. Royster Guano Co., Norfolk, Va.:
 Gentlemen—I have been using Royster's fertilizers for several years by the side of other goods, and each time have received better results from Royster's. I especially recommend Royster Fertilizer for heavy red land.
 Yours truly, S. P. MILLER.
 Bought of W. D. Lackey, Waco, N. C.

CATAWBA COUNTY.

Hickory, N. C., R. No. 4, 8-19-14.
 F. S. Royster Guano Co., Norfolk, Va.:
 Gentlemen—I have used Royster's goods for a number of years, and have found them satisfactory in fine working quality, and also in availability in plant food. I expect to use Royster's goods and am pleased to recommend them to my friends as long as they are kept at their high standard.
 Yours very truly,
 Bought of D. L. LEONARD.
 George Moose, Hickory, N. C.

ROYSTER service is on a par with ROYSTER quality: admittedly supreme.

PARCEL POST RATES.

Limit of Size.—72 inches in length and girth combined. For example, a parcel 35 inches long, 10 inches wide, and 5 inches high measures 65 inches in length and girth combined.

Weight in pounds.	Local.	Zones.							
		1st Up to 50 miles.	2d 50 to 150 miles.	3d 150 to 300 miles.	4th 300 to 600 miles.	5th 600 to 1,000 miles.	6th 1,000 to 1,400 miles.	7th 1,400 to 1,800 miles.	8th Over 1,800 miles.
1	\$0.05	\$0.05	\$0.05	\$0.06	\$0.07	\$0.08	\$0.09	\$0.11	\$0.12
2	.06	.06	.06	.08	.11	.14	.17	.21	.24
3	.06	.07	.07	.10	.15	.20	.25	.31	.36
4	.07	.08	.08	.12	.19	.26	.33	.41	.48
5	.07	.09	.09	.14	.23	.32	.41	.51	.60
6	.08	.10	.10	.16	.27	.38	.49	.61	.72
7	.08	.11	.11	.18	.31	.44	.57	.71	.84
8	.09	.12	.12	.20	.35	.50	.65	.81	.96
9	.09	.13	.13	.22	.39	.56	.73	.91	1.08
10	.10	.14	.14	.24	.43	.62	.81	1.01	1.20
11	.10	.15	.15	.26	.47	.68	.89	1.11	1.32
12	.11	.16	.16	.28	.51	.74	.97	1.21	1.44
13	.11	.17	.17	.30	.55	.80	1.05	1.31	1.56
14	.12	.18	.18	.32	.59	.86	1.13	1.41	1.68
15	.12	.19	.19	.34	.63	.92	1.21	1.51	1.80
16	.13	.20	.20	.36	.67	.98	1.29	1.61	1.92
17	.13	.21	.21	.38	.71	1.04	1.37	1.71	2.04
18	.14	.22	.22	.40	.75	1.10	1.45	1.81	2.16
19	.14	.23	.23	.42	.79	1.16	1.53	1.91	2.28
20	.15	.24	.24	.44	.83	1.22	1.61	2.01	2.40
21	.15	.25	.25						
22	.16	.26	.26						
23	.16	.27	.27						
24	.17	.28	.28						
25	.17	.29	.29						
26	.18	.30	.30						
27	.18	.31	.31						
28	.19	.32	.32						
29	.19	.33	.33						
30	.20	.34	.34						
31	.20	.35	.35						
32	.21	.36	.36						
33	.21	.37	.37						
34	.22	.38	.38						
35	.22	.39	.39						
36	.23	.40	.40						
37	.23	.41	.41						
38	.24	.42	.42						
39	.24	.43	.43						
40	.25	.44	.44						
41	.25	.45	.45						
42	.26	.46	.46						
43	.26	.47	.47						
44	.27	.48	.48						
45	.27	.49	.49						
46	.28	.50	.50						
47	.28	.51	.51						
48	.29	.52	.52						
49	.29	.53	.53						
50	.30	.54	.54						

Zones—Parcel Post Guide and Maps.—For parcel post purposes the United States is divided into units of area thirty minutes square. Such units form the basis of the eight postal zones. To ascertain in which zone a post office is located from the office of mailing, a parcel post guide, costing 55 cents, and map, costing 20 cents, are jointly used. The guide applies to all offices, but a separate map is required for each unit. A zone key is furnished with the guide for use in the units of area in which the 50 largest post offices are located, and makes the map for those units unnecessary. The guide and maps may be purchased by sending a money order to the Third Assistant Postmaster General, Washington, D. C. Stamps are not accepted.

5-6474

CHATHAM COUNTY.

Wells, N. C., Sept. 1, 1914.

F. S. Royster Guano Co., Norfolk, Va.:

Gentlemen—I have been using Royster's S-4-4 guano for the past five years, and find it to be the best I ever used. I will not use any other brand but Royster's as long as I can get the old original F. S. Royster Guano.

Respectfully, RUFF HARPER.

Bought of

W. A. Phillips, Wells, N. C.

DAVIDSON COUNTY.

Thomasville, N. C., R. No. 4, 9-8-14.

F. S. Royster Guano Co., Norfolk, Va.:


Gentlemen—I used six hundred lbs. of Royster's Fertilizer on tobacco this year, and have six acres estimated by tobacco men to bring from one to two thousand dollars from the six acres. I had it photographed the other day and it certainly was fine.

Yours truly, R. P. ROYALS.

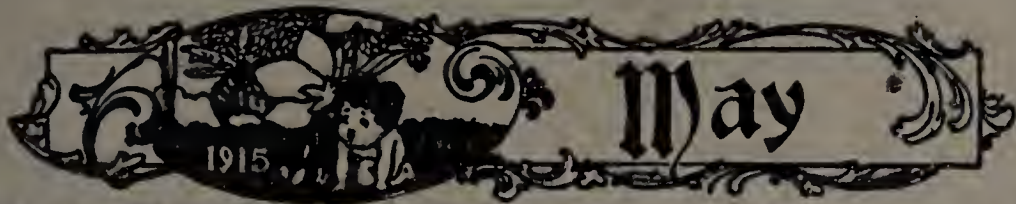
Bought of

L. W. Elliott, Thomasville, N. C.

Analysis guarantees quantity of plant food in fertilizer:

The brand  guarantees quality.

1915



1915

Phas.	BOSTON			NEW YORK			WASH'TON			LATITUDE OF NORTHERN STATES				LATITUDE OF MIDDLE STATES			LATITUDE OF SOUTHERN STATES											
	D.	H.	M.	H.	M.	H.	M.	H.	M.	Sun rises	Sun sets	Moon rises	SUN FAST	Sun rises	Sun sets	Moon rises	Sun rises	Sun sets	Moon rises									
L. O.	6	0	23 M.	0	23 M.	0	23 M.	0	23 M.																			
N. M.	13	10	31 A.	10	31 A.	10	31 A.	10	31 A.																			
F. O.	21	11	50 A.	11	50 A.	11	50 A.	11	50 A.																			
F. M.	28	4	33 A.	4	33 A.	4	33 A.	4	33 A.																			
D. M. | D. W. | Historical Events										MOON'S SIGNS.				SUN FAST														
1	S	St. Philip and St. James							☾	4	57	6	58	10	17	3	5	0	6	54	10	10	5	14	6	41	9	42
18. 4th Sunday after Easter.										Day's Length—14h. 3m.—13h. 56m.—13h. 28m.																		
2	S	U. S. recognized China, 1913							☾	4	56	6	59	11	23	3	4	59	6	55	11	16	5	13	6	41	10	48
3	M	Farragut in New Orleans, 1862							☾	4	54	7	0	morn		3	4	58	6	57	morn		5	12	6	42	11	42
4	T	Potter Palmer died, 1902							☾	4	53	7	1	0	13	3	4	57	6	58	0	7	5	11	6	43	morn	
5	W	Palos Mine Disaster, 1910							☾	4	51	7	2	0	52	3	4	55	6	59	0	47	5	10	6	43	0	26
6	T	King Edward VII. died, 1910							☾	4	50	7	3	1	23	3	4	54	7	0	1	19	5	9	6	44	1	4
7	F	Ward H. Lamon died, 1893							☾	4	49	7	4	1	48	3	4	53	7	1	1	45	5	8	6	45	1	36
8	S	Eruption of Mt. Pelee, 1902							☾	4	48	7	6	2	9	4	4	52	7	2	2	5	5	8	6	45	2	4
19. Rogation Sunday.										Day's Length 14h. 21m.—14h. 13m.—13h. 39m.																		
9	S	Floods in Louisiana, 1912							☾	4	46	7	7	2	29	4	4	50	7	3	2	29	5	7	6	46	2	30
10	M	Juarez surrendered, 1911							☾	4	45	7	8	2	49	4	4	49	7	4	2	50	5	6	6	47	2	56
11	T	Yubari, Jap. Mine Expl., 1912							☾	4	44	7	9	3	9	4	4	48	7	5	3	11	5	5	6	48	3	23
12	W	Battleship Florida launched, 1910							☾	4	43	7	10	3	31	4	4	47	7	6	3	35	5	4	6	48	3	51
13	T	Ascension Day							☾	4	42	7	11	3	55	4	4	46	7	7	4	0	5	3	6	49	4	21
14	F	Aug. Strindberg died, 1912							☾	4	41	7	12	sets		4	4	45	7	8	sets		5	3	6	50	sets	
15	S	Standard Oil Co. dissolved, 1911							☾	4	40	7	13	9	15	4	4	44	7	9	9	8	5	2	6	51	8	41
20. Sunday after Ascension.										Day's Length—14h. 35m.—14h. 17m.—13h. 50m.																		
16	S	Masfeking relieved, 1900							☾	4	39	7	14	10	8	4	4	43	7	10	10	1	5	1	6	51	9	33
17	M	Palma President of Cuba, 1902							☾	4	38	7	15	10	53	4	4	42	7	11	10	47	5	0	6	52	10	20
18	T	Forest Fires, Washington, 1912							☾	4	37	7	16	11	31	4	4	41	7	12	11	25	5	0	6	53	11	2
19	W	H. H. Rogers died, 1909							☾	4	36	7	17	morn		4	4	40	7	13	11	57	4	59	6	54	11	38
20	T	Henry M. Flagler died, 1913							☾	4	35	7	18	0	2	4	4	40	7	13	morn		4	59	6	54	morn	
21	F	Albion Tourgee died, 1905							☾	4	34	7	19	0	29	4	4	39	7	14	0	25	4	58	6	55	0	12
22	S	U. S. and Cuban Treaty, 1903							☾	4	33	7	20	0	53	4	4	38	7	15	0	51	4	57	6	56	0	42
21. Pentecost—Whit Sunday.										Day's Length—14h. 49m.—14h. 39m.—13h. 59m.																		
23	S	Pentecost Sunday							☾	4	32	7	21	1	15	3	4	37	7	16	1	14	4	57	6	56	1	11
24	M	Long Beach Disaster, 1913							☾	4	31	7	22	1	36	3	4	36	7	17	1	36	4	56	6	57	1	39
25	T	Pres. Diaz abdicated, 1911							☾	4	30	7	23	2	0	3	4	35	7	18	2	2	4	56	6	58	2	10
26	W	Earthquake in U. S., 1909							☾	4	30	7	24	2	27	3	4	35	7	19	2	30	4	56	6	58	2	45
27	T	Fire at Coney Island, 1911							☾	4	29	7	25	2	59	3	4	34	7	20	3	4	4	55	6	59	3	25
28	F	Cyclone in Oklahoma, 1912							☾	4	29	7	26	rises		3	4	34	7	21	rises.		4	55	7	0	rises.	
29	S	Floods in Hungary, 1912							☾	4	28	7	27	9	3	3	4	33	7	21	8	56	4	54	7	0	8	28
22. Trinity Sunday.										Day's Length—15h. 0m.—14h. 49m.—14h. 7m.																		
30	S	Trinity Sunday. Decoration							☾	4	27	7	27	10	1	3	4	33	7	22	9	55	4	54	7	1	9	28
31	M	Boers surrendered, 1902 [Day							☾	4	27	7	28	10	48	3	4	32	7	23	10	43	4	53	7	1	10	20

WEATHER PREDICTIONS.—1-4, frequent showers; 5-9, clear and pleasant; 10-13, changeable; 14-18, warmer; 19-24, thunder storms; 25-27, clear and fair; 28-31, stormy.

GASTON COUNTY.

Cherryville, N. C., R. No. 1, 9-11-14.
 F. S. Royster Guano Co., Norfolk, Va.:
 Gentlemen—I have used Royster's fertilizers for a number of years, and have used other brands, but did not get the results from the others that I got from Royster's. The same amount of Royster's and other fertilizers can be taken and used in the same field, and the good yield and results will come from Royster's fertilizers. Yours respectfully,
 Bought of W. P. HOWELL.
 Kendrick Brothers, Cherryville, N. C.

GATES COUNTY.

Gatesville, N. C., Sept. 9, 1914.
 F. S. Royster Guano Co., Norfolk, Va.:
 Gentlemen—Mr. A. P. Rountree is asked by his neighbors "Why the difference in that field of corn? Well, he says, "On that pretty, green part of the field I used FARMER'S BONE, on the balance I used another brand of 8-2-2." Mr. Lam. Eure brings this statement. Mr. Rountree confirms it. Yours very truly,
 R. R. G. COWPER & SON.

ROYSTER dealers are so plentiful that there is little reason for buying ordinary fertilizer.

FIRST AID TO THE INJURED.

(Extracts from Instructions "For First Aid to Injured.")

A Shock.—If faint and cold, give stimulant in small doses, once in 15 or 20 minutes, secure warmth by external application or rubbing.

Bleeding from Wound.—If from an artery, stop the current of blood by putting a compress or cloth pad over the artery. Fasten it firmly by a handkerchief or bandage, which may be tightened by twisting in a stick as a binder. The location of the artery can generally be determined by the throbbing sensation. If from a vein, apply pressure directly over the wound or by exposure or application of cold water.

Perchloride of Iron may be applied with cloth or lint. Keep the part elevated.

Wounds.—The part should be properly cleansed of all foreign matter, the edges brought together, and fastened with strips of plaster. Apply some anodyne solution; give stimulant, laudanum with brandy, if necessary.

Bruises.—Apply tincture of arnica and wormwood or hamamelis; keep well covered and warm.

Poisoned Wounds.—From bite of animals—Treatment should be prompt. If possible, suck the wound thoroughly two or three minutes; cauterize with either nitric acid, chloride of zinc, or nitrate of silver; use whiskey freely internally.

Sting of Insects.—Apply spirits of ammonia.

Poisons—General Directions.—Give an emetic as soon as possible, teaspoonful of powdered mustard in a tumbler of warm water, or twenty grains of ipecac; after vomiting, give freely of warm drinks.

Special Directions.—In case of poisoning from Arsenic, Corrosive Sublimate, Verdigris, Blue Vitriol, and from Vegetables kept in copper vessels—Give emetic and white of egg, sweet oil and milk. **Sugar of Lead**—Give emetic and epsom salt.

Hemlock, Aconite, Belladonna and Fox Glove.—Give emetic, then tannin and stimulants.

Opium, Laudanum, and Morphine.—Give an emetic, follow with strong coffee or white of an egg. Keep patient walking two or three hours, and extremities warm.

Nux Vomica and Strychnine.—Give emetic; afterwards from three to five grains carb. ammonia every hour.

Drowning.—Freely expose the face, neck and chest in the breeze, except in severe weather. Turn the patient on the face and elevate the body so that the water in the lungs may flow out at the nose and mouth. First, turn the patient slightly on his side, apply snuff or ammonia to the nostrils, dash cold water in the face, rubbing the body briskly until it is warm. To imitate respiration, turn the patient on his face, then turn the body gently but completely on the side, and a little beyond, repeating these measures deliberately, efficiently and perseveringly fifteen times a minute in all. This number of thoracic movements per minute acts with natural order movement of the heart, averaging something less than sixty pulsations per minute.

JOHNSTON COUNTY.

Angier, N. C., R. No. 1, 9-11-14.

F. S. Royster Guano Co., Norfolk, Va.:

Gentlemen—Of the various kinds of fertilizer which I have used during the last several years I find Royster's best. Royster's 2-8-2 goods gives me better results than any 3-8-3 goods of other brands. It also holds the cotton longer. I heartily recommend F. S. Royster's fertilizer to anybody who wants the best.

Yours truly,

J. T. COATS.

Bought of

C. T. Johnson, Angier, N. C.

LEE COUNTY.

Sanford, N. C., R. F. D. No. 3,

Sept. 15, 1914.

F. S. Royster Guano Co., Norfolk, Va.:

Gentlemen—I have been a user of Royster's guano for 20 years, and I have used several other brands on trial, but I have not found any to equal F. S. Royster's. I shall continue to use Royster's goods as long as I can obtain same.

Yours very truly,

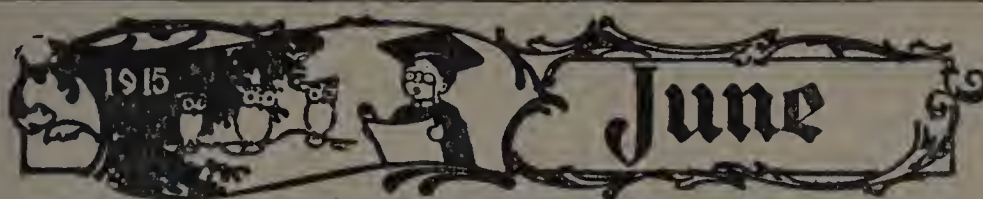
J. J. PHILLIPS.

Bought of

W. S. Russell, Sanford, N. C.

The best is not too good for you: Insist on ROYSTER'S.

1915



1915

Phas.	BOSTON			NEW YORK	WASH'TON	MOON'S SIGNS.	LATITUDE OF NORTHERN STATES			SUN FAST	LATITUDE OF MIDDLE STATES			LATITUDE OF SOUTHERN STATES			
	L. O.	D. H. M.	H. M.	H. M.	H. M.		Sun rises	Sun sets	Moon rises		Sun rises	Sun sets	Moon rises	Sun rises	Sun sets	Moon rises	
	4	11	32	11	32												
	12	1	57	1	57												
	20	9	24	9	24												
	26	11	27	11	27												

D. M.		D. W.		Historical Events												
1	T	Dynamite Explosion, Ont., 1912														
2	W	Alfred Austin died, 1913														
3	T	Corpus Christi														
4	F	Sen Gorman died, 1906														
5	S	Senator Nixon died, 1912														

23. 1st Sunday after Trinity. Day's Length—15h. 9m.—14h. 58m.—14h. 13m.

6	S	Memphis taken, 1862	4 24	7 33	0 54	2	4 29	7 27	0 55	4 52	7 5	0 59
7	M	Earthquake in Mexico, 1911	4 24	7 33	1 14	1	4 29	7 28	1 16	4 52	7 5	1 26
8	T	Norway seceded, 1905	4 23	7 34	1 36	1	4 29	7 28	1 39	4 51	7 6	1 54
9	W	Carrie Nation died, 1911	4 23	7 35	2 0	1	4 29	7 29	2 4	4 51	7 6	2 24
10	T	Steamer Slavonia wrecked, 1909	4 23	7 35	2 28	1	4 28	7 30	2 33	4 51	7 7	2 58
11	F	St. Barnabas	4 22	7 36	3 3	1	4 28	7 30	3 9	4 51	7 7	3 37
12	S	Earthquake in India, 1897	4 22	7 36	sets	1	4 28	7 31	sets	4 51	7 8	sets

24. 2d Sunday after Trinity. Day's Length—15h. 15m.—15h. 3m.—14h. 17m.

13	S	War Revenue Bill signed, 1898	4 22	7 37	8 51	0	4 28	7 31	8 44	4 51	7 8	8 17
14	M	Pres. Penna of Brazil died, 1909	4 22	7 37	9 31	0	4 28	7 32	9 25	4 51	7 8	9 1
15	T	Gen. Slocum Disaster, 1904	4 22	7 38	10 4	sl.	4 28	7 32	9 59	4 51	7 9	9 39
16	W	Storm in Missouri, 1912	4 22	7 38	10 32	0	4 28	7 32	10 28	4 51	7 9	10 13
17	T	Gen. Gomez died, 1905	4 22	7 38	10 57	1	4 28	7 33	10 54	4 51	7 9	10 44
18	F	Railroad Rate Bill signed, 1910	4 22	7 39	11 19	1	4 28	7 33	11 18	4 51	7 10	11 13
19	S	Mine Explosion, Colorado, 1912	4 22	7 39	11 40	1	4 28	7 33	11 40	4 51	7 10	11 41

25. 3d Sunday after Trinity. Day's Length—15h. 16m.—15h. 6m.—14h. 18m.

20	S	Cloudburst in Breslau, 1912	4 23	7 39	morn	1	4 28	7 34	morn	4 52	7 10	morn
21	M	Franz von Suppe died, 1895	4 23	7 40	0 2	1	4 28	7 34	0 3	4 52	7 11	0 11
22	T	Summer begins	4 23	7 40	0 27	2	4 29	7 34	0 29	4 52	7 11	0 43
23	W	Niagara River Disaster, 1912	4 23	7 40	0 55	2	4 29	7 34	0 59	4 52	7 11	1 18
24	T	St. John, Baptist	4 23	7 40	1 30	2	4 29	7 35	1 35	4 52	7 11	1 59
25	F	Gen. Custer defeated, 1876	4 24	7 40	2 16	2	4 29	7 35	2 22	4 53	7 11	2 51
26	S	Chicago Anarchists pard'd, 1893	4 24	7 40	rises	2	4 30	7 35	rises	4 53	7 11	rises

26. 4th Sunday after Trinity. Day's Length—15h. 16m.—15h. 5m.—14h. 18m.

27	S	Col. John T. Brady died, 1891	4 24	7 40	8 37	3	4 30	7 35	8 31	4 53	7 11	8 6
28	M	Steamer Norge lost, 1904	4 25	7 40	9 18	3	4 30	7 35	9 13	4 54	7 12	8 53
29	T	St. Peter and St. Paul	4 25	7 40	9 49	3	4 31	7 35	9 45	4 54	7 12	9 32
30	W	Tornado in Canada, 1912	4 25	7 40	10 15	3	4 31	7 35	10 13	4 54	7 12	10 5

WEATHER PREDICTIONS.—1-4, cloudy and warm; 5-8, showers; 9-12, clear and fair; 13-17, hot and sultry; 18-20, thunder storms; 21-26, pleasant; 27-30, cloudy.

PERSON COUNTY.

Timberlake, N. C., R. F. D. No. 1, Aug. 27, 1914.

F. S. Royster Guano Co., Norfolk, Va.:
Gentlemen—For fifteen years I have used Royster's FARMERS' BONE fertilizer for corn, and during that time have used many other brands, but none gives as good results as Royster's FARMERS' BONE. I shall use FARMERS' BONE for corn always in the future.
Yours very truly,
Bought of MONROE CLAYTON.
J. L. Bennett, Timberlake, N. C.

PITT COUNTY.

Ayden, N. C., Sept. 13, 1914.

F. S. Royster Guano Co., Norfolk, Va.:
Gentlemen—I have used Royster's BONANZA fertilizer for tobacco, and find it all right. I sold four acres last year for \$1,217, or \$304.25 per acre.
Yours truly, RICHARD MUMFORD.
Bought of
J. B. Pierce Co., Ayden, N. C.

The most successful farmers use the most ROYSTER'S fertilizers.

INTEREST CALCULATIONS.

RULE.—Multiply the principal by as many one-hundredths as there are days and then divide as follows:

Per cent.	4	5	6	7	8	9	10	12
Divide by	90	72	60	52	45	40	36	30

EXAMPLES.—Interest on \$100 for 90 days at 5 per cent.: $100 \times 90 = 9,000$, divided by $72 = 1.25$ (one dollar and 25 cents); on \$1 for 30 days at 6 per cent., $1 \times 30 = .300$, divided by $60 = .005$ (5 mills).

TABLES.—Showing the number of days from any date in one month to the same date in any other month:

From	to	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
January	365	31	59	90	120	151	181	212	243	273	304	334
February	334	365	28	59	89	120	150	181	212	242	273	303
March	306	337	365	31	61	92	122	153	184	214	245	275
April	275	306	334	365	30	61	91	122	153	183	214	244
May	245	276	304	335	365	31	61	92	123	153	184	214
June	214	245	274	304	334	365	30	61	92	122	153	183
July	184	215	243	273	304	335	365	31	62	92	123	153
August	153	184	212	243	273	304	334	365	31	61	92	122
September	122	153	181	212	242	273	303	334	365	30	61	91
October	92	123	151	182	212	243	273	304	335	365	31	61
November	61	92	120	151	181	212	242	273	304	334	365	30
December	31	62	90	121	151	182	212	243	274	304	335	365

EXAMPLE.—How many days from May 5th to October 5th? Look for May at the left hand and October at the top in the angle is 153. In leap year, add one day if February is included.

MINIMUM WEIGHTS OF PRODUCE.

The following are minimum weights of certain articles of produce according to the laws of the United States:

	Per Bushel		Per Bushel		Per Bushel
Wheat	.....60 lbs.	White Potatoes	.....60 lbs.	Hungarian Grass	
Corn, in the ear	..70 "	Sweet Potatoes	...55 "	Seed	.....50 lbs.
Corn, shelled	....56 "	Onions	.....57 "	Timothy Seed	....45 "
Rye	.....56 "	Turnips	.....55 "	Blue Grass Seed	..44 "
Buckwheat	.....48 "	Dried Peaches	...33 "	Hemp Seed	.....44 "
Barley	.....48 "	Dried Apples	....26 "	Salt (see note below)	
Oats	.....32 "	Clover Seed	....60 "	Corn Meal	.....48 "
Peas	.....60 "	Flax Seed	.....56 "	Ground Peas	....24 "
White Beans	....60 "	Millet Seed	.....50 "	Malt	.....34 "
Castor Beans	....46 "			Bran	.....20 "

SALT.—Weight per bushel as adopted by different States ranging from 50 to 80 pounds. Coarse salt in Pennsylvania is reckoned 80 pounds, and in Illinois at 50 pounds per bushel. Fine salt in Pennsylvania is reckoned at 62 pounds, in Kentucky and Illinois at 55 pounds per bushel.

ROCKINGHAM COUNTY.

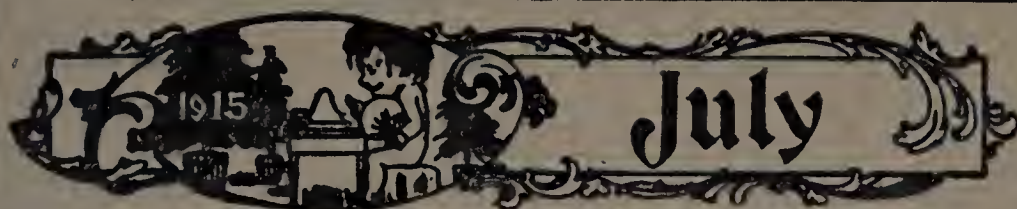
Madison, N. C., Sept. 1, 1914.
 F. S. Royster Guano Co., Norfolk, Va.:
 Gentlemen—For the last five years every bit of fertilizer that I have used has been Royster's, and I find that Royster's BONANZA is the best fertilizer I have ever used for the money. It grows good, smooth tobacco, as also does your special high grade. I want it next year. Yours truly,
SAM CONNER.
 Bought of
 T. J. Carter, Madison, N. C.

SAMPSON COUNTY.

Newton Grove, N. C., Sept. 7, 1914.
 F. S. Royster Guano Co., Norfolk, Va.:
 Gentlemen—The **ORINOCO** guano bought of Jas. H. Britt has given very satisfactory results. I used 800 pounds per acre for tobacco and my tobacco was much better than my neighbor's, who used a much higher price guano. I failed to get plants to set four acres of land that I had prepared for tobacco, and I planted this in cotton, and I have never seen finer cotton in my life.
JNO. B. WILLIAMS.

Make farming pay the ROYSTER way.

1915



1915

Phas.	BOSTON			NEW YORK			WASH'TON			MOON'S SIGNS.	LATITUDE OF NORTHERN STATES				LATITUDE OF MIDDLE STATES			LATITUDE OF SOUTHERN STATES		
	D.	H.	M.	H.	M.	H.	M.	Sun rises	Sun sets		Moon rises	SUN SLOW	Sun rises	Sun sets	Moon rises	Sun rises	Sun sets	Moon rises		
L. Q.	4	0	54 M.	0	54 M.	0	54 M.													
N. M.	12	4	31 M.	4	31 M.	4	31 M.													
F. Q.	19	4	9 A.	4	9 A.	4	9 A.													
F. M.	26	7	11 M.	7	11 M.	7	11 M.													

D.	D.	Historical Events			MOON'S SIGNS.	Sun rises	Sun sets	Moon rises	SUN SLOW	Sun rises	Sun sets	Moon rises	Sun rises	Sun sets	Moon rises
M.	W.	H.	M.	H. M.		H. M.	H. M.	M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
1	T	Henri Rochefort died, 1913			☾	4 26	7 40	10 38	3	4 32	7 35	10 37	4 54	7 12	10 35
2	F	Pres. Garfield shot, 1881			☾	4 26	7 40	10 59	4	4 32	7 35	10 59	4 55	7 12	11 2
3	S	Earthquake in Costa Rica, 1912			☾	4 27	7 40	11 18	4	4 33	7 35	11 20	4 55	7 12	11 28

27. 5th Sunday after Trinity. Day's Length—15h. 13m.—15h. 1m.—14h. 16m.

4	S	Independence Day			☾	4 27	7 40	11 39	4	4 33	7 34	11 42	4 56	7 12	11 56
5	M	Venezuela independent, 1811			☾	4 28	7 40	morn	4	4 34	7 34	morn	4 56	7 12	morn
6	T	Aguinaldo released, 1902			☾	4 29	7 40	0 2	4	4 34	7 34	0 6	4 57	7 11	0 25
7	W	Merrimac Heroes released, 1898			☾	4 29	7 40	0 29	5	4 35	7 34	0 34	4 57	7 11	0 57
8	T	Mine Explosion in Chile, 1912			☾	4 30	7 39	1 2	5	4 36	7 33	1 8	4 58	7 11	1 35
9	F	Braddock defeated, 1755			☾	4 30	7 39	1 42	5	4 37	7 33	1 49	4 58	7 11	2 18
10	S	Wyoming admitted, 1890			☾	4 31	7 38	2 29	5	4 37	7 33	2 36	4 59	7 11	3 6

28. 6th Sunday after Trinity. Day's Length—15h. 6m.—14h. 54m.—14h. 11m.

11	S	Simon Newcomb died, 1909			☾	4 32	7 38	3 25	5	4 38	7 32	3 32	4 59	7 10	4 1
12	M	Mayor S. M. Jones died, 1904			☾	4 33	7 38	sets	5	4 38	7 32	sets	5 0	7 10	sets
13	T	Senator Lorimer expelled, 1912			☾	4 33	7 37	8 37	5	4 39	7 32	8 33	5 0	7 10	8 15
14	W	Mine Explosion in Reno, 1912			☾	4 34	7 37	9 2	6	4 40	7 31	8 59	5 1	7 9	8 48
15	T	Wm. E. Russell died, 1896			☾	4 35	7 36	9 25	6	4 40	7 31	9 23	5 1	7 9	9 17
16	F	Dynamite Explos. in Chile, 1912			☾	4 36	7 35	9 46	6	4 41	7 30	9 46	5 2	7 9	9 45
17	S	Angelo Heilprin died, 1907			☾	4 36	7 35	10 7	6	4 42	7 29	10 8	5 3	7 8	10 12

29. 7th Sunday after Trinity. Day's Length—14h. 57m.—14h. 46m.—14h. 5m.

18	S	Cloudburst in Nevada, 1912			☾	4 37	7 34	10 29	6	4 43	7 29	10 31	5 3	7 8	10 42
19	M	Mine Explosion in Colo., 1912			☾	4 38	7 34	10 55	6	4 43	7 28	10 59	5 4	7 7	11 15
20	T	Pope Leo XIII. died, 1903			☾	4 39	7 33	11 27	6	4 44	7 27	11 32	5 5	7 7	11 54
21	W	Ft. Monroe Gun Explos., 1910			☾	4 40	7 32	morn	6	4 45	7 27	morn	5 5	7 6	morn
22	T	Reciprocity Bill passed, 1911			☾	4 41	7 31	0 8	6	4 46	7 26	0 14	5 6	7 6	0 40
23	F	Cloudburst in Pennsylv., 1912			☾	4 42	7 30	0 59	6	4 47	7 25	1 6	5 7	7 5	1 35
24	S	Fire in London, 1912			☾	4 43	7 29	2 2	6	4 48	7 24	2 9	5 7	7 5	2 39

30. 8th Sunday after Trinity. Day's Length—14h. 45m.—14h. 35m.—13h. 56m.

25	S	St. James			☾	4 44	7 29	3 18	6	4 48	7 23	3 24	5 8	7 4	3 51
26	M	Flood in Japan, 1912			☾	4 45	7 28	rises.	6	4 49	7 22	rises.	5 8	7 4	rises.
27	T	Sen. Edm. W. Pettus died, 1907			☾	4 46	7 27	8 15	6	4 50	7 22	8 12	5 9	7 3	8 2
28	W	Moses Montefiore died, 1885			☾	4 47	7 26	8 39	6	4 51	7 21	8 38	5 10	7 2	8 33
29	T	King Humbert assassin'd, 1900			☾	4 48	7 25	9 1	6	4 52	7 20	9 1	5 10	7 1	9 1
30	F	Emperor Mutsuhito died, 1912			☾	4 49	7 24	9 21	6	4 53	7 19	9 22	5 11	7 1	9 28
31	S	Railroad Wreck in Brazil, 1912			☾	4 50	7 23	9 42	6	4 54	7 18	9 44	5 12	7 0	9 56

WEATHER PREDICTIONS.—1-3, cloudy and rain; 4-9, clear and warm; 10-13, sultry; 14-17, occasional showers; 18-22, clear and warm; 23-26, cloudy; 27-31, very warm.

STANLEY COUNTY.

Norwood, N. C., Sept. 5, 1914.

F. S. Royster Guano Co., Norfolk, Va.:
Gentlemen—I have been using Royster's goods for five years, and have gotten better results from Royster's goods than any I have ever used. I used ten bags of Royster's 8-2-2 guano on 8 acres of wheat last fall and threshed out 141 bushels. I sowed 8 bushels of wheat on the 8 acres. Yours truly,

G. D. BLALOCK.

Bought of
Morrow-Freeman Co., Norwood, N. C.

STOKES COUNTY.

Smith, N. C., R. No. 1, S-29-14.

F. S. Royster Guano Co., Norfolk, Va.:
Gentlemen—I am pleased to say that I have been a successful user of Royster's goods for more than thirteen years, and have had better results with it than with any other brand. I use it on all growing crops. I use about 100 bags each season. I find my corn yields equally one-third more where Royster's goods are used. Yours truly,

Bought of
WELDON SMITH.
W. L. Ashby, Smith, N. C.

At harvest there are two kinds of farmers—those who used ROYSTER'S and those who wish they had.

HOW TO AVOID SLEEPLESS NIGHT.

Sleep Is a Habit and Can Be Easily Broken by Careless Living.

Sleep is a habit. It is a very natural and beneficial habit, but one that can easily be broken through injudicious living and thinking. Poor sleepers are usually high-strung, nervous people, who have too active bodies or brains, or both, and who are ambitious and neglect themselves.

Insomnia cannot be cured by drugs. It is always dangerous to use drugs to produce sleep, and they should seldom be resorted to except in serious illness, and then only on the advice of a physician.

If you cannot sleep, and find that your sleeplessness is becoming a habit, begin immediately to go slower. Your body and your brain need repose and rest, but the trouble with the people who "cannot sleep" is, they do not know how to rest. They do not stop thinking, and worrying, and go to bed with active brains and only partly relaxed bodies and then worry because sleep does not come. Perfect relaxation of body and mind is the first essential, and relaxation of either one helps the other.

There is one exercise which, properly practiced, will be found beneficial in more ways than one. Stand erect, but without stiffness, arms hanging easily at the sides. Now very gently inhale air through the nostrils, at the same time lifting the arms straight out at the side. Time the motion so that when the lungs are fully inflated the thumbs touch above the head. Raise the face slightly at the same time toward the ceiling. Then, without holding the breath, exhale gently, sweeping the arms, hands together, downward and forward, so that when the exhalation is complete, they again hang easily at the sides. Extreme gentleness and slowness must be observed without force or haste. Let the air flow into the lungs, don't force it in.

When wakefulness is caused by a dull, sedentary life, more physical activity, outdoor sports and brisk walking are good. Slow outdoor walking and deep breathing are very beneficial to those whose wakefulness is the result of worry or fatigue.

Make yourself comfortable in bed, in a cool room and realize that the bed is holding you, not you the bed. Feel as heavy as you can. Then don't count or con dull sayings; you want to make the mind a blank, stifle thought, and this can be done with a little practice. But if thoughts persist in presenting themselves a mental repetition of the words. "Let go—relax, relax," will aid you in relaxing and letting go. Then if you cannot sleep, don't worry over it, for any kind of worry will only prolong your wakefulness. Be content to rest, and after a while sleep will come.

Go to bed early, even when you cannot sleep, and do not get up too early, unless you positively have to. Even a short morning nap, when you have lain awake many hours of the night is very refreshing.

Above all, go to bed in a pleasant state of mind. A clear mind, a hopeful spirit and an optimistic view of life are powerful aids to sleep as well as to digestion and the general bodily health.

SURRY COUNTY.

Pinnacle, N. C., Aug. 25, 1914.

F. S. Royster Guano Co., Norfolk, Va.:
Gentlemen — Last year I used three bags of Royster's 9-3-3 brand by the side of another brand of 9-3-3, which I plowed and cultivated at the same time. The growth on the Royster side was so much better that I called some of my neighbors in to see the difference. I am not using anything but Royster's this year.
Bought of THOS. McGEE.
Piedmont Tobacco Co., Pinnacle, N. C.

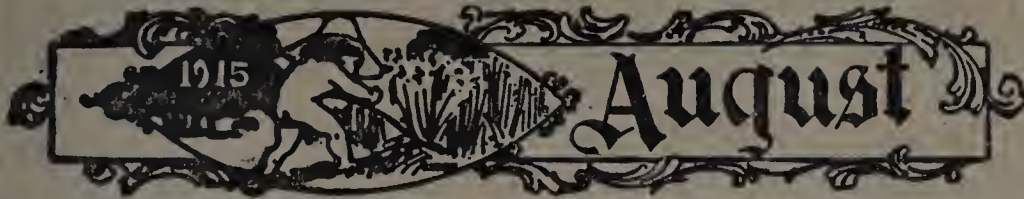
WILSON COUNTY.

Stantonsburg, N. C., Aug. 28, 1914.

F. S. Royster Guano Co., Norfolk, Va.:
Gentlemen—I have used Royster's ORINOCO guano under tobacco and cotton for the past two years, and find it is the best brand I can use to give tobacco and cotton a quick start. I feel that I am not taking any risk when I use ORINOCO guano. I think if every farmer would use it they would get better results.
Yours very truly,
C. C. BERGERON.
Bought of W. H. Applewhite Co.

ROYSTER—a short name for Fertilizer Superiority.

1915



1915

(Phas.)	BOSTON			NEW YORK	WASH' TON	MOON'S SIGNS.	LATITUDE OF NORTHERN STATES				SUN SLOW	LATITUDE OF MIDDLE STATES			LATITUDE OF SOUTHERN STATES			
	D.	H.	M.	H. M.	H. M.		Sun rises	Sun sets	Moon rises	Sun rises		Sun sets	Moon rises	Sun rises	Sun sets	Moon rises		
L. Q.	2	4	27 A.	4 27 A.	4 27 A.		H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	
N. M.	10	5	52 A.	5 52 A.	5 52 A.													
F. Q.	17	9	17 A.	9 17 A.	9 17 A.													
F. M.	24	4	40 A.	4 40 A.	4 40 A.													
Historical Events																		
31. 9th Sunday after Trinity. Day's Length—14h. 30m.—14h. 22m.—13h. 47m.																		
1	S	Japan declared War, 1894				☾	4 51	7 21	10 5	6 4	5 5	7 17	10 9	5 12	6 59	10 25		
2	M	Bradlaugh expelled, 1881				☾	4 52	7 20	10 30	6 4	5 6	7 16	10 35	5 13	6 58	10 56		
3	T	U. S., Gr. Brit. & Fr. Treaty, 1911				☾	4 53	7 19	11 0	6 4	5 7	7 15	11 6	5 14	6 57	11 31		
4	W	Sen. Wm. B. Allison died, 1908				☾	4 54	7 17	11 38	6 4	5 8	7 14	11 44	5 15	6 57	morn		
5	T	Steamer Sirio lost, 1906				☾	4 55	7 16	morn	6 4	5 9	7 12	morn	5 15	6 56	0 13		
6	F	Revolution in Nicaragua, 1912				☾	4 56	7 15	0 23	6 5	0 7	11 0	30	5 16	6 55	1 0		
7	S	Gen. Miles retired, 1903				☾	4 57	7 14	1 15	6 5	1 7	10 1	22	5 17	6 54	1 51		
32. 10th Sunday after Trinity. Day's Length—14h. 14m.—14h. 7m.—13h. 36m.																		
8	S	Gerthe Mine Explosion, 1912				☾	4 58	7 12	2 15	6 5	2 7	9 2	21	5 17	6 53	2 49		
9	M	Steamer Emir wrecked, 1911				☾	4 59	7 11	3 20	5 5	3 7	8 3	25	5 18	6 52	3 49		
10	T	Earthquake in Turkey, 1912				☾	5 0	7 10	sets	5 5	4 7	6 sets	5 19	6 51	sets			
11	W	John Boyle O'Reilly died, 1890				☾	5 1	7 8	7 30	5 5	5 7	5 7	28	5 19	6 50	7 20		
12	T	Robt. A. Pinkerton died, 1907				☾	5 2	7 7	7 51	5 5	5 7	4 7	50	5 20	6 49	7 48		
13	F	Gov. Sulzer impeached, 1913				☾	5 3	7 6	8 13	5 5	6 7	2 8	14	5 21	6 48	8 17		
14	S	Jeffries defeated Corbett, 1903				☾	5 4	7 4	8 36	5 5	7 7	1 8	38	5 21	6 47	8 47		
33. 11th Sunday after Trinity. Day's Length—13h. 58m.—13h. 52m.—13h. 24m.																		
15	S	Fishing Boats lost, Spain, 1912				☾	5 5	7 3	9 0	5 5	8 7	0 9	3	5 22	6 46	9 18		
16	M	Card. P. T. Moran died, 1911				☾	5 6	7 1	9 28	4 5	9 6	5 8	33	5 23	6 45	9 53		
17	T	General Ry. Strike, Engl'd, 1911				☾	5 7	7 0	10 5	4 5	10 6	5 7	10 11	5 24	6 44	10 36		
18	W	Adm. Evans retired, 1908				☾	5 8	6 58	10 52	4 5	11 6	5 5	10 59	5 24	6 43	11 28		
19	T	S. F. Baird died, 1887				☾	5 9	6 57	11 50	4 5	12 6	5 4	11 57	5 25	6 42	morn		
20	F	Tsing Tau Mine Disaster, 1907				☾	5 11	6 55	morn	3 5	13 6	5 3	morn	5 26	6 41	0 28		
21	S	Gen. Franz Sigel died, 1902				☾	5 12	6 54	0 59	3 5	14 6	5 1	5 5	5 26	6 40	1 34		
34. 12th Sunday after Trinity. Day's Length—13h. 39m.—13h. 35m.—13h. 12m.																		
22	S	New Mexico annexed, 1846				☾	5 13	6 52	2 14	3 5	15 6	5 0	2 20	5 27	6 39	2 44		
23	M	Commodore Perry died, 1819				☾	5 14	6 51	3 32	3 5	16 6	4 8	3 36	5 28	6 37	3 56		
24	T	<i>St. Bartholomew</i>				☾	5 15	6 49	rises	2 5	17 6	4 7	rises	5 28	6 36	rises		
25	W	Manchester R. R. wreck, 1911				☾	5 16	6 48	7 3	2 5	18 6	4 5	7 2	5 29	6 35	7 0		
26	T	Keokuk Dam dedicated, 1913				☾	5 17	6 46	7 23	2 5	19 6	4 4	7 24	5 30	6 34	7 27		
27	F	Storm at Charleston, 1911				☾	5 18	6 44	7 45	2 5	20 6	4 2	7 47	5 30	6 32	7 56		
28	S	Peace Palace dedicated, 1913				☾	5 19	6 43	8 7	1 5	21 6	4 1	8 10	5 31	6 31	8 25		
35. 13th Sunday after Trinity. Day's Length—13h. 21m.—13h. 17m.—12h. 58m.																		
29	S	St. Lawrence Bridge Dis., 1907				☾	5 20	6 41	8 31	1 5	22 6	3 9	8 35	5 32	6 30	8 55		
30	M	Fire in Rutherford, N. J., 1912				☾	5 21	6 40	9 0	1 5	23 6	3 7	9 5	5 32	6 29	9 29		
31	T	George Wm. Curtis died, 1892				☾	5 22	6 38	9 34	0 5	24 6	3 6	9 40	5 33	6 27	10 7		

WEATHER PREDICTIONS.—1-3, refreshing showers; 4-9, clear and warmer; 10-14, severe thunder storms; 15-19, clear and pleasant; 20-25, warmer; 26-31, cloudy and rain.

WAKE COUNTY.

Carpenter, N. C., Sept. 7, 1914.
 F. S. Royster Guano Co., Norfolk, Va.:
 Gentlemen—I have been using Royster's BONANZA fertilizer for many years and have made successful crops. I have had it by the side of many other brands, and none has come up to it yet. I expect to use it again next year if I farm.
 Yours truly,
BUSHBY ENNIS.
 Bought of
 W. H. Carpenter, Carpenter, N. C.

WAYNE COUNTY.

Seven Springs, N. C., Aug. 26, 1914.
 F. S. Royster Guano Co., Norfolk, Va.:
 Gentlemen—I have used Royster's BONANZA guano for twelve years, and find it to be the best I have ever used. Last year I tried another brand from another factory, but this year I came back home to stay with BONANZA.
 Yours very truly,
S. H. DAVIS.
 Bought of
 Seven Springs Supply Co., Seven Springs, N. C.

Good Crops don't grow by good luck—it takes good judgment, of which the use of ROYSTER'S is a fine example.

HOW TO SOW A CERTAIN QUANTITY OF FERTILIZER TO THE ACRE AND HAVE IT EVENLY DISTRIBUTED.

Many farmers find difficulty in making their fertilizer run out any certain quantity to the acre. Sometimes before they have finished drilling, the fertilizer is exhausted, and again they will have several bags left when they have finished the last row. To overcome this difficulty, we have prepared the following table, which shows how much to sow per hundred feet, in order to make different quantities, ranging from 200 to 2,000 pounds per acre. If you want to sow 800 pounds to the acre, and your rows are 36 inches apart (from stalk to stalk), you find where the line opposite "800" and the line under "36" cross each other, and you find "5 pounds 2 ounces." You then set your drill so that it will use 5 pounds 2 ounces in a hundred yards, and the fertilizer will then be drilled at the rate of 800 pounds to the acre.

Pounds of Fertilizer per 100 ft.

		Distance between Rows (stalk to stalk)				
		28 in.	32 in.	34 in.	36 in.	40 in.
Pounds per Acre	200	1 lb. 1 oz.	1 lb. 4 oz.	1 lb. 5 oz.	1 lb. 6 oz.	1 lb. 8 oz.
	300	1 " 8 "	1 "13 "	1 "15 "	2 " 1 "	2 " 5 "
	400	2 " 2 "	2 " 7 "	2 "10 "	2 "12 "	3 " 1 "
	500	2 "11 "	3 " 1 "	3 " 4 "	3 " 7 "	3 "13 "
	600	3 " 3 "	3 "11 "	3 "14 "	4 " 2 "	4 " 9 "
	800	4 " 4 "	4 "14 "	5 " 3 "	5 " 8 "	6 " 2 "
	1000	5 " 6 "	6 " 2 "	6 " 8 "	6 "14 "	7 "10 "
	1500	8 " 0 "	9 " 3 "	9 "12 "	10" 5 "	11" 7 "
	2000	10"11 "	12" 4 "	13" —	13" 12"	15" 4 "

RULES FOR ESTIMATING HAY.

Hay is often sold in the mow or stack and then the weight has to be established. For this purpose 400 cubic feet of hay will vary according to the quantity of the hay, time of cutting and amount in the mow. For making an estimate multiply together the length, breadth and height of the mow or stack in feet and divide the product by 400. The quotient will be the number of tons.

YANCEY COUNTY.

Windom, N. C., Aug. 28, 1914.

F. S. Royster Guano Co., Norfolk, Va.:

Gentlemen—I wish to say that I have used Royster's fertilizer on my wheat crop, and I am sure that I received twice the amount of wheat, and my corn crop is the best I ever made. I have never used Royster's fertilizer before. Yours very truly,

P. M. BANKS.

Bought of

W. B. Banks & Co., Windom, N. C.

YADKIN COUNTY.

Marler, N. C., Aug. 28, 1914.

F. S. Royster Guano Co., Norfolk, Va.:

Gentlemen—I have used Royster's ORINOCO guano for several years, and have used it by the side of other brands, and find it gives better results. I do not think I will use any other brand in the future, as I feel like I have always beaten myself out of money when I use other brands. ORINOCO makes tobacco get a move on. Yours very truly,

Bought of

J. G. GROSS.

D. J. Cockerham & Sons, Marler, N. C.

To choose the best is often difficult, but not in fertilizer; simply remember the name ROYSTER.

1915



1915

Phas.	BOSTON			NEW YORK	WASH'TON	MOON'S SIGNS.	LATITUDE OF NORTHERN STATES			SUN RISES	LATITUDE OF MIDDLE STATES			LATITUDE OF SOUTHERN STATES		
	D.	H.	M.	H. M.	H. M.		Sun rises	Sun sets	Moon rises		Sun rises	Sun sets	Moon rises	Sun rises	Sun sets	Moon rises
L. Q.	1	9	57 M.	9 57 M.	9 57 M.											
N. M.	9	5	53 M.	5 53 M.	5 53 M.											
F. Q.	16	2	21 M.	2 21 M.	2 21 M.											
F. M.	23	4	35 M.	4 35 M.	4 35 M.											

D.	D.	Historical Events			MOON'S SIGNS.	Sun rises	Sun sets	Moon rises	SUN RISES	Sun rises	Sun sets	Moon rises	Sun rises	Sun sets	Moon rises
M.	W.	H. M.	H. M.	H. M.		H. M.	H. M.	H. M.	M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
1	W			Gen. N. P. Banks died, 1894		5 23	6 36	10 15	0	5 25	6 34	10 22	5 34	6 26	10 51
2	T			New Haven R. R. Wreck, 1913		5 24	6 34	11 5	0	5 26	6 32	11 12	5 34	6 25	11 42
3	F			Mine Explosion in France, 1912		5 25	6 33	morn	0	5 27	6 31	morn	5 35	6 24	morn
4	S			Atlantic Coast Storm, 1913		5 26	6 31	0 2	1	5 28	6 29	0 8	5 36	6 22	0 37

36. 14th Sunday after Trinity. Day's Length—13h. 2m.—12h. 59m.—12h. 45m.

5	S			Fire at Hot Springs, 1913		5 27	6 29	1 5	1	5 29	6 28	1 11	5 36	6 21	1 36
6	M			President McKinley shot, 1901		5 28	6 28	2 12	1	5 30	6 27	2 17	5 37	6 20	2 38
7	T			Battle of Belmont, 1861		5 29	6 26	3 21	2	5 31	6 25	3 24	5 37	6 19	3 41
8	W			Gen. H. C. Corbin died, 1909		5 30	6 24	4 30	2	5 32	6 23	4 32	5 38	6 17	4 43
9	T			Ste. Pere Marquette lost, 1910		5 32	6 23	sets	2	5 33	6 21	sets	5 39	6 16	sets
10	F			Mayor Wm. J. Gaynor d., 1913		5 33	6 21	6 40	3	5 34	6 19	6 41	5 39	6 14	6 48
11	S			Bomb Explosion, Turkey, 1912		5 34	6 19	7 4	3	5 35	6 18	7 7	5 40	6 13	7 20

37. 15th Sunday after Trinity. Day's Length—12h. 42m.—12h. 40m.—12h. 31m.

12	S			Krüger leaves Africa, 1900		5 35	6 17	7 32	4	5 36	6 16	7 36	5 41	6 12	7 55
13	M			U. S. Constitution ratified, 1788		5 36	6 16	8 7	4	5 37	6 15	8 12	5 41	6 11	8 36
14	T			President McKinley died, 1901		5 37	6 14	8 50	4	5 38	6 13	8 56	5 42	6 9	9 24
15	W			Lake Bluff Disaster, 1912		5 38	6 12	9 44	5	5 39	6 11	9 51	5 43	6 8	10 21
16	T			Moscow burned, 1812		5 39	6 10	10 49	5	5 40	6 9	10 56	5 43	6 6	11 25
17	F			Railroad Wreck, England, 1912		5 40	6 9	morn	5	5 41	6 8	morn	5 44	6 5	morn
18	S			Herbert Bismarck died, 1904		5 41	6 7	0 1	6	5 42	6 6	0 7	5 45	6 4	0 33

38. 16th Sunday after Trinity. Day's Length—19h. 23m.—12h. 22m.—12h. 18m.

19	S			Pres. Garfield died, 1881		5 42	6 5	1 16	6	5 43	6 5	1 21	5 45	6 3	1 42
20	M			Mine Disaster, Westphalia, 1912		5 43	6 3	2 31	6	5 44	6 3	2 34	5 46	6 1	2 51
21	T			St. Matthew		5 44	6 2	3 43	7	5 45	6 1	3 45	5 46	6 0	3 55
22	W			Robert Hoe died, 1909		5 45	6 0	4 52	7	5 46	5 59	4 53	5 47	5 58	4 56
23	T			Autumn begins		5 47	5 58	rises.	7	5 47	5 58	rises.	5 48	5 57	rises.
24	F			P. S. Gilmore died, 1892		5 48	5 56	6 10	8	5 48	5 56	6 13	5 48	5 56	6 25
25	S			Storm at Nago, Japan, 1912		5 49	5 54	6 34	8	5 49	5 55	6 38	5 49	5 55	6 55

39. 17th Sunday after Trinity. Day's Length—12h. 2m.—12h. 3m.—12h. 3m.

26	S			Typhoon, Coast of China, 1912		5 50	5 52	7 1	8	5 50	5 53	7 6	5 50	5 53	7 28
27	M			George Chavez died, 1910		5 51	5 51	7 33	9	5 51	5 51	7 39	5 50	5 52	8 4
28	T			Steamer Kicke Maru lost, 1912		5 52	5 49	8 12	9	5 52	5 49	8 18	5 51	5 50	8 47
29	W			Michaelmas Day		5 53	5 47	8 58	9	5 53	5 48	9 5	5 51	5 49	9 35
30	T			Flood at Constantinople, 1913		5 54	5 45	9 51	10	5 54	5 46	9 58	5 52	5 48	10 27

WEATHER PREDICTIONS.—1-4, pleasant; 5-8, clear and cool; 9-13, cloudy and rain; 14-18, stormy; 19-23, clear and warmer; 24-27, changeable; 28-30, light frosts.

CHESTERFIELD COUNTY.

Patrick, S. C., Sept. 11, 1914.

F. S. Royster Guano Co., Columbia, S. C.

Gentlemen—I have used your guano this year for the first time. I have been farming for the past ten years, and find your guano the best I have tried up to now. It has given me entire satisfaction.

Respectfully,

(Signed) J. W. ROSCOE.

Bought of Winburn Bros., Patrick, S. C.

CHESTER COUNTY.

Blackstock, S. C., Sept. 5, 1914.

F. S. Royster Guano Co., Columbia, S. C.

Dear Sirs—I have been using Royster Guano for the past five years with good results from it every year. I recommend it as the best I ever used.

Respectfully,

(Signed) J. T. WYLIE.

Bought of Kennedy Mercantile Co., Blackstock, S. C.

Hard luck is often a polite name for carelessness—be careful to select ROYSTER'S fertilizers.

INTERESTING INFORMATION.

How to Keep Young.

Beauty and youth come and go with health. The bad habits and false conditions which destroy the latter render the former impossible.

Youthfulness of form and feature depend upon youthfulness of feelings. If you would retain youthful looks you must do nothing that will make you feel old.

Here is the great secret of youth: To lead a normal life; to enjoy living and doing; to keep on thinking young thoughts and doing young things—exercise, dancing and singing—and, above all, do not utter the expression, "getting on in years." That very thought is aging.

Keep happy by making others happy around you. You are never too old to join in all fun and folly. Be of the world, not just hanging on the edge of it. Keep interested in the things of the time.

No one ever gets younger by finding fault. Be an optimist in all things.

Occupation for the Women—Both Pleasure and Profit to Be Found in the Keeping of Bees, Says One Who Knows.

Beekeeping means not only pleasure and profit, but a more healthful condition of body and mind. It is well adapted to women and fits in with other work. It is not necessary to devote any regular time to it, as you can generally plan for it according to the work you have on hand, and the season is practically confined to six months of the year, writes Emily L. Tucker in *Farm and Fireside*. As to location, it is possible to keep bees in the city even on the roofs of buildings, but of course it is much better to be in the suburbs, and better still in the country. My sister and I have kept bees for the past eight years. We started with only two colonies. At the end of our first season we had increased our colonies to four and had taken off 25 boxes of honey, besides several more boxes partly finished. We gradually increased to 19 colonies, but found that was too many to care for with our other work, so we have only 13 at present. Our crop of honey varies according to conditions. Some seasons we have had over four hundred and fifty boxes of honey, besides many unfinished boxes that we keep for our own use. What we sell retails for 25 cents per box, but we make a special price to dealers. The net amount received for honey adds quite a little to our income.

What an Inch of Rain Means.

Did you ever realize the thousands of tons of rain fall even in the smallest showers? When you read in the paper that the precipitation was one inch you probably fail to comprehend just what that means, but if you were told that during the rain 110 tons of water, or 600 huge barrels had fallen on each acre of ground, then probably you would be able to visualize just what had happened when the little drops came pattering on the roof.

DARLINGTON COUNTY.

Lamar, S. C., R. F. D. No. 1,

Aug. 31, 1914.

F. S. Royster Guano Co., Columbia, S. C.

Dear Sirs—I have used your guano for a number of years. I have also used several other brands of fertilizer. I find yours pays me better than any other brand that I have used. Yours truly,

(Signed) T. E. WILKES.

Bought of

Chas. A. Smith Co., Timmons ville, S. C.

DILLON COUNTY.

Latta, S. C., Sept. 1st, 1914.

F. S. Royster Guano Co., Columbia, S. C.

Gentlemen—I have used your goods for two years—1913-1914—for corn, cotton and tobacco. I used 1,000 lbs. for tobacco in 1913, made over 1,200 lbs. per acre, was well pleased. Want 35 or 40 tons next year. Yours truly,

(Signed) M. C. JOHNSON.

Bought of

L. C. Braddy, Dillon, S. C.

Don't envy a bumper crop—use Royster's and have one.

DO YOU KNOW THAT—

There are 7,397,533,000,000 tons of coal in the world, according to a careful estimate made by the editor of Coal Age.

Apples, pears, lemons, oranges and limes are of great value in improving a muddy complexion. Raw tomatoes have a fine effect on the liver.

The amount of iron ore mined in the United States last year is officially estimated at from 58,000,000 to 60,000,000 long tons, a new high record.

If new gas mantles be dipped into vinegar and hung up to dry before being placed upon the gas fixtures they will give a more brilliant light and last longer.

A famous German physician proves that infantile paralysis is often carried from one household to another by domestic animals, such as chickens, ducks and steers.

The railroads of Great Britain kill in accidents for which the passenger is in no way responsible one passenger for every 72,000,000 carried, while those of the United States kill one for every 4,900,000 passengers carried.

An incipient cold can often be prevented by taking ten or twenty deep, slow, full breaths in the open air or at an open window. The breath must be drawn through the nose very slowly till the lungs are filled, held a second and exhausted slowly till the lungs are emptied.

GATHERED FACTS.

Motor launches are to be used in China on the River Swatow.

Germany's annual excess of births over deaths is now about 800,000.

Rubber nails, for places where metal ones would corrode, are a novelty from Germany.

In the electric furnace gold boils at 2,400 degrees centigrade, or at 24 times the temperature of boiling water.

English locomotive works have been so busy of late one English railway had to order ten locomotives from Germany.

Oil instead of coal ranges will be used on the newest United States battleships because of its greater cleanliness in cooking.

FLORENCE COUNTY.

Timmons ville, S. C., Sept. 9, 1914.

F. S. Royster Guano Co., Columbia, S. C.

Gentlemen—I have used Royster Guano for several years and it has always given me perfect satisfaction. I have used other brands by its side, and the Royster gives better results. I used it exclusively this year with better results than ever. Yours truly,

(Signed) R. M. HUMPHREY.

Bought of
Chas. A. Smith Co., Timmons ville
Florence Co.

GREENVILLE COUNTY.

Greer, S. C., Aug. 31, 1914.

F. S. Royster Guano Co., Columbia, S. C.

Gentlemen—I have used your guano for several years and I find it to be good, both for cotton and corn. I shall continue to use it in preference to any other if I can get it as long as it proves to be as it has been in the past.

Yours very truly,

(Signed) J. L. BALLENGER.

Bought of
Chaney Littlefield, Greer, S. C.

**No one can make fertilizer cheaper than ROYSTER'S,
without sacrificing quality.**

1915



1915

Phas.	BOSTON			NEW YORK	WASH'TON	MOON'S SIGNS.	LATITUDE OF NORTHERN STATES				LATITUDE OF MIDDLE STATES			LATITUDE OF SOUTHERN STATES		
	D.	H.	M.	H. M.	H. M.		SUN RISES	SUN SETS	MOON RISES	SUN FAST	SUN RISES	SUN SETS	MOON RISES	SUN RISES	SUN SETS	MOON RISES
N.M.	7	2	52	M.	2 52	M.	2 52	M.	2 52	M.						
F. Q.	13	6	3	A.	6 3	A.	6 3	A.	6 3	A.						
F. M.	21	0	36	A.	0 36	A.	0 36	A.	0 36	A.						
L. Q.	29	5	10	A.	5 10	A.	5 10	A.	5 10	A.						

Historical Events

1	M	All Saints' Day	☿	6 32	4 55	morn	16	6 28	4 58	morn	6 17	5 10	0 10
2	T	Steamer Cecilia lost, 1912	☿	6 33	4 54	0 59	16	6 30	4 57	1 1	6 17	5 9	1 10
3	W	Shanghai captured, 1912	♄	6 34	4 53	2 7	16	6 31	4 56	2 8	6 18	5 9	2 11
4	T	Steamer Chanlee lost, 1912	♄	6 35	4 51	3 18	16	6 32	4 55	3 17	6 19	5 8	3 15
5	F	Woodrow Wilson elected, 1912	♄	6 36	4 50	4 33	16	6 33	4 53	4 30	6 20	5 7	4 23
6	S	Benj. Harrison elected, 1888	♄	6 38	4 49	5 50	16	6 35	4 52	5 46	6 21	5 6	5 32

45. 23d Sunday after Trinity. Day's Length—10h. 8m.—10h. 15m.—10h. 43m.

7	S	Earthquake in Peru, 1913	♄	6 40	4 48	sets	16	6 36	4 51	sets	6 22	5 5	sets
8	M	Theo Roosevelt elected, 1904	♄	6 41	4 47	5 27	16	6 37	4 50	5 33	6 23	5 4	6 2
9	T	Blizzard in Cleveland, 1913	♄	6 42	4 45	6 28	16	6 38	4 49	6 35	6 24	5 4	7 4
10	W	Mendel Beilis acquitted, 1913	♄	6 43	4 44	7 39	16	6 39	4 48	7 45	6 25	5 3	8 13
11	T	R. R. Collision, Montz, La., 12	♄	6 44	4 43	8 55	16	6 41	4 47	9 0	6 26	5 2	9 24
12	F	Cannon and Groce shot, 1909	♄	6 45	4 42	10 11	16	6 42	4 46	10 15	6 26	5 1	10 34
13	S	Cherry Mine Disaster, 1909	♄	6 46	4 41	11 25	16	6 43	4 45	11 28	6 27	5 1	11 41

46. 24th Sunday after Trinity. Day's Length—9h. 52m.—10h. 0m.—10h. 32m.

14	S	La Seine sunk, 1909	♄	6 48	4 40	morn	16	6 44	4 44	morn	6 28	5 0	morn
15	M	Nicholas M. Fish died, 1902	♄	6 49	4 39	0 35	15	6 45	4 43	0 36	6 29	5 0	0 44
16	T	Earthquake in Germany, 1911	♄	6 50	4 39	1 42	15	6 46	4 43	1 42	6 30	4 59	1 44
17	W	Cholera in Constantinople, 1913	♄	6 52	4 38	2 47	15	6 48	4 42	2 46	6 31	4 58	2 42
18	T	R. W. Gilder died, 1909	♄	6 53	4 37	3 52	15	6 49	4 41	3 50	6 32	4 58	3 41
19	F	Earthquake in Mexico, 1912	♄	6 54	4 36	4 57	15	6 50	4 40	4 53	6 33	4 58	4 40
20	S	Tidal Wave in Jamaica, 1912	♄	6 55	4 35	6 2	14	6 51	4 40	5 57	6 34	4 57	5 38

47. 25th Sunday after Trinity. Day's Length—9h. 38m.—9h. 47m.—10h. 22m.

21	S	Vice-Pres. G. A. Hobart d. 1899	♄	6 56	4 34	rises.	14	6 52	4 39	rises.	6 35	4 57	rises
22	M	Paul Krüger at Marseilles, 1900	♄	6 58	4 34	4 50	14	6 54	4 38	4 56	6 35	4 56	5 25
23	T	Railroad Wreck in France, 1911	♄	6 59	4 33	5 38	14	6 55	4 38	5 45	6 36	4 56	6 14
24	W	Strike Riots in Havana, 1902	♄	7 0	4 33	6 33	13	6 56	4 37	6 39	6 37	4 56	7 7
25	T	Thanksgiving Day	♄	7 1	4 32	7 33	13	6 57	4 37	7 39	6 38	4 55	8 4
26	F	Thos. P. Ochiltree died, 1902	♄	7 3	4 31	8 36	13	6 58	4 37	8 41	6 39	4 55	9 2
27	S	C. W. Couldock died, 1898	♄	7 4	4 31	9 40	13	6 59	4 36	9 43	6 40	4 55	10 0

48. 1st Sunday in Advent. Day's Length—9h. 26m.—9h. 36m.—10h. 14m.

28	S	Joseph Parker died, 1902	♄	7 5	4 31	10 44	12	7 0	4 36	10 46	6 41	4 55	10 58
29	M	Typhoon in Philippines, 1912	♄	7 6	4 30	11 50	12	7 1	4 35	11 51	6 42	4 54	11 57
30	T	St. Andrew	♄	7 7	4 30	morn	11	7 2	4 35	morn	6 43	4 54	morn

WEATHER PREDICTIONS.—1-3, rain or snow; 4-8, clear and milder; 9-12, heavy frosts; 13-17, snow flurries; 18-25, clear and colder; 26-30, changeable.

KERSHAW COUNTY.

Camden, S. C., R. No. 5, 9-3-14.
F. S. Royster Guano Co., Columbia, S. C.
Gentlemen—It gives me great pleasure to state the truth that during the fifteen years I have continuously used your goods, I have in every instance found them equal, and frequently far superior to many others. I always confidently expect the very best results whenever I use "Royster's." You can't improve them.
Bought of Dr. L. H. PEEBLES.
I. F. Barnett, Bishopville, S. C.

LAURENS COUNTY.

Gray Court, S. C., Sept. 1, 1914.
F. S. Royster Guano Co., Columbia, S. C.
Gentlemen—In replying to yours of the 31st, I am indeed very grateful for a word for Royster. I have used every kind of fertilizer and have found none equal to Roysters goods. I commenced using your fertilizer last year and we made the best all round crops we have made in a long time.
Yours truly,
Bought of (Signed) L. M. MAHON.
Owings & Bobo, Laurens, S. C.

You get what you pay for when you buy ROYSTER'S. Thirty years' reputation is staked on every sack.

INTERESTING INFORMATION.**Highest Point in United States.**

Mount Whitney, the highest point in the United States, is not an isolated mountain peak like Mount Shasta or Mount Rainier, but is the loftiest point in the great California crest or enormous sawtooth ridge of the Sierra Nevada, including many eminences almost as high. Mount Whitney is 14,501 feet above sea level. Among those of slightly lesser height are Mount Russell, less than a mile distant, 14,190 feet; Mount Williamson, 14,384 feet; Mount Muir, 14,025 feet; Mount Langley, 14,042 feet; Mount Barnard, 14,003 feet, and Mount Tyndall, 14,025 feet. The most distant of these is less than six miles away.

By a strange freak of nature the lowest point of dry land in the United States is less than eighty miles from the highest. The lowest point is in Death Valley, and is 276 feet below sea level. It is said that from this point Mount Whitney can be easily seen on a clear day.

Most Wonderful of Pumps—Contrivance Known as the Human Heart Truly a Marvelous Piece of Machinery.

The most perfect pump in the world, the most perfect ever made, is also the oldest—how old no one knows, for it is as old as man himself.

This pump is so small and so light that it might be carried in an overcoat pocket. Yet it runs day and night without a stop, without attention, drawing in and sending forth two and a half ounces of liquid 70 times a minute. In one minute it pumps 175 ounces; in one hour, 656¼ pounds; in one year, 5,748,750 pounds. Its normal life is about 70 years, in which time it pumps 402,412,500 pounds, or more than 201,206 tons.

This diminutive piece of machinery has been known to keep up this work without a single stop for more than 100 years.

It pulsates 4,200 times an hour, 100,800 times a day, 36,792,000 times a year. It has no journals or bearings to oil, no bolts to tighten or slacks to be taken up. It is so constructed that its parts are automatically repaired as it goes along. But, with all of this, there is one very serious characteristic inseparably connected with this pump, which is that once it stops it cannot be started up again, unless immediate steps be taken to do so by an expert. Even this generally fails. So the owner should use care and judgment in its upkeep. There is no other machinery that we have any knowledge of of which the above can be said. How this is all accomplished is known only to its inventor.

This pump is the human heart.

When churning it is sometimes difficult to make the butter gather. Try putting a little soda in the cream. It will cause the scattered bits of butter to gather.

Egg-stained table linen should be soaked in cold water until almost all traces of the stain are removed. If placed directly in boiler the stain will "set," and it will be almost impossible to remove it.

LANCASTER COUNTY.

Lancaster, S. C., Sept. 8, 1914.

F. S. Royster Guano Co., Columbia, S. C.

Gentlemen—I take pleasure in saying I have used your fertilizer for the past three years, and find it very satisfactory, on all kinds of land and crops, especially cotton. Although I have used several other brands, I think Royster's the best on the market. I expect to use it next season if I can get it.

Yours truly, (Signed) B. H. CRAIG,

Bought of R. F. D. No. 5.

L. P. Clyburn, Lancaster, S. C.

ORANGEBURG COUNTY.

Branchville, S. C., R. F. D. No. 1,
Sept. 2nd, 1914.

F. S. Royster Guano Co., Columbia, S. C.

Gentlemen—I have been using Royster Fertilizer for ten or twelve years, and found it to give perfect satisfaction. Have used other different kinds but found that Roysters are the best. Suit my land the best, and hope that I will be able to get some more next year.

Yours truly,

Bought of (Signed) F. M. BERRY.

Peoples Brokg. Co., Branchville, S. C.

Every sack bearing my name is made to uphold the reputation

I have built for 30 years. *F. S. Royster*

1915



1915

Phas.	BOSTON			NEW YORK			WASH'TON			MOON'S SIGNS.	LATITUDE OF NORTHERN STATES			SUN EAST	LATITUDE OF MIDDLE STATES			LATITUDE OF SOUTHERN STATES									
	D.	H.	M.	H.	M.	H.	M.	Sun rises	Sun sets		Moon rises	Sun rises	Sun sets		Moon rises	Sun rises	Sun sets	Moon rises									
N.M.	6	1	4 A.	1	4 A.	1	4 A.																				
F.Q.	13	6	38 M.	6	38 M.	6	38 M.																				
F.M.	21	7	52 M.	7	52 M.	7	52 M.																				
L.Q.	29	7	59 M.	7	59 M.	7	59 M.																				
<i>Historical Events</i>																											
1	W	McNamara Bros. confess, 1911							7	8	4	29	0	58	II	7	3	4	34	0	58	6	44	4	54	0	58
2	T	Battle of Austerlitz, 1805							7	9	4	29	2	8	II	7	4	4	34	2	6	6	44	4	54	2	1
3	F	R. R. Wreck, Dresden, O. 1912							7	10	4	28	3	22	10	7	5	4	33	3	19	6	45	4	54	3	8
4	S	H. O. Havemeyer died, 1907							7	11	4	28	4	40	10	7	6	4	33	4	35	6	46	4	54	4	18
49. 2d Sunday in Advent.											Day's Length—9h. 15m.—9h. 26m.—10h. 7m.																
5	S	M. L. Hayward died, 1899							7	13	4	28	6	0	10	7	7	4	33	5	54	6	47	4	54	5	32
6	M	<i>St. Nicholas</i>							7	14	4	28	sets		9	7	8	4	33	sets		6	48	4	54	sets	
7	T	Thos. B. Reed died, 1902							7	15	4	28	5	14	9	7	9	4	33	5	21	6	49	4	54	5	50
8	W	Gen. G. P. Thurston died, 1912							7	16	4	28	6	32	8	7	10	4	33	6	38	6	49	4	54	7	3
9	T	Briceville Mine Explosion, 1911							7	17	4	28	7	52	8	7	11	4	33	7	57	6	50	4	54	8	17
10	F	Snow Slide in Alaska, 1912							7	17	4	28	9	10	7	7	12	4	33	9	13	6	51	4	54	9	28
11	S	Steamer Devria lost, 1912							7	18	4	28	10	23	7	7	13	4	33	10	25	6	52	4	54	10	34
50. 3d Sunday in Advent.											Day's Length—9h. 9m.—9h. 19m.—10h. 8m.																
12	S	Prince Luitpold died, 1912							7	19	4	28	11	32	6	7	14	4	33	11	33	6	52	4	55	11	36
13	M	Mrs. U. S. Grant died, 1902							7	20	4	28	morn		6	7	15	4	33	morn		6	53	4	55	morn	
14	T	Steamer Delhi lost, 1911							7	21	4	28	0	39	6	7	15	4	33	0	38	6	54	4	55	0	36
15	W	Whitelaw Reid died, 1912							7	22	4	28	1	45	5	7	16	4	34	1	43	6	54	4	55	1	36
16	T	Amundsen discov. S. Pole, 1911							7	22	4	29	2	50	5	7	17	4	34	2	47	6	55	4	56	2	35
17	F	Mine Explosion, Germany, 1912							7	23	4	29	3	54	4	7	18	4	34	3	50	6	56	4	56	3	32
18	S	Steamer Byzantin lost, 1878							7	24	4	29	4	57	4	7	18	4	34	4	52	6	56	4	57	4	29
51. 4th Sunday in Advent.											Day's Length—9h. 4m.—9h. 16m.—10h. 0m.																
19	S	Darr Mine Disaster, 1907							7	25	4	29	5	58	3	7	19	4	35	5	52	6	57	4	57	5	26
20	M	U. S. Bank closed, 1791							7	25	4	30	6	56	3	7	20	4	35	6	49	6	58	4	57	6	22
21	T	<i>St. Thomas</i>							7	26	4	30	rises.		2	7	20	4	36	rises.		6	58	4	58	rises.	
22	W	☉ enters ♍. Winter begins							7	26	4	31	5	26	2	7	21	4	36	5	36	6	59	4	58	5	58
23	T	Mine Explosion, Japan, 1912							7	27	4	31	6	28	1	7	21	4	37	6	33	6	59	4	59	6	56
24	F	Clarence King died, 1902							7	27	4	32	7	31	1	7	22	4	37	7	35	7	0	4	59	7	54
25	S	<i>Christmas Day</i>							7	27	4	32	8	36	0	7	22	4	38	8	39	7	0	5	0	8	52
52. 1st Sunday after Christmas.											Day's Length—9h. 5m.—9h. 16m.—10h. 0m.																
26	S	<i>St. Stephen</i>							7	28	4	33	9	41	sl.	7	22	4	38	9	42	7	0	5	0	9	50
27	M	<i>St. John, Evangelist</i>							7	28	4	34	10	46	1	7	23	4	39	10	47	7	1	5	1	10	49
28	T	<i>Innocents</i>							7	29	4	34	11	53	1	7	23	4	40	11	52	7	1	5	1	11	49
29	W	Fire at Messina, 1910							7	29	4	35	morn		2	7	24	4	40	morn		7	2	5	2	morn	
30	T	Iroquois Theatre Fire, 1903							7	29	4	36	1	2	2	7	24	4	41	1	0	7	2	5	3	0	51
31	F	Russian Treaty expired, 1912							7	29	4	36	2	15	3	7	24	4	42	2	11	7	2	5	4	1	57

WEATHER PREDICTIONS.—1-2, cloudy and snow; 3-7, cold wave; 8-12, clear and milder; 13-17, cold and stormy; 18-21, rain or snow; 22-26, very cold; 27-31, cloudy.

RICHLAND COUNTY.

Blythewood, S. C., Sept. 8, 1914.
 F. S. Royster Guano Co., Columbia, S. C.
 Dear Sirs—I have been using your fertilizer for several years, and have found it to always give entire satisfaction. Will continue to use it as I don't think there is any that is better.

Yours truly,
 (Signed) P. C. BROOM.

Bought of
 Taylor & Whitworth, Columbia, S. C.
 R. F. D.

SPARTANBURG COUNTY.

Wellford, S. C., Aug. 31st, 1914.
 F. S. Royster Guano Co., Columbia, S. C.
 Gentlemen—I have bought my guano from you and I find it the best I ever used. I bought 10-2-4, and I have the best crop I ever made. I bought a couple of tons of a different brand from another company, and I find the "Royster" way ahead of any I ever used. I am not going to buy any other as long as the "Royster" gives the results it does.

Bought of (Signed) J. J. HAMPTON.
 J. W. Coan, Wellford, S. C.

As time goes on I am more and more satisfied with the hard and unyielding standards of excellence I have enforced *F. S. Royster*

Interesting Information—Continued.

Why February Is a Day Short.

Under the Calendar of Julius Caesar February had normally 29 days, and in leap year 30, and so it would doubtless still have, notwithstanding the almost universal adoption of the Gregorian calendar with its more accurate estimate of the length of the solar year, had it not been for the Senate changing the name of the sixth month—the year commenced then in March—from Sextilis to Augustus, in honor of Augustus Caesar, who, it is recorded, was particularly fortunate in that month. Augustus greatly valued the honor, we read in the Pall Mall Gazette (London), but he was rather annoyed that his month had 30 days only, while the fifth month, the old Quintilis, which had been renamed Julius to commemorate the triumphs of his great uncle, had 31. To equalize matters, therefore, he lopped a day off February and added it to August.

Another Bunch of Rules Which, if Observed, May Land You in the Century Class.

The famous British physician, Sir James Sawyer, believes it is by no means a difficult matter for any human being to live to be a hundred years old. He has recently declared that anybody can attain this age, unless killed by accident, if he or she will religiously observe the following 18 commandments of health:

- 1—Eight hours' sleep every night.
- 2—Sleep on your right side.
- 3—Have your bedroom window open.
- 4—Have a mat at your bedroom door.
- 5—Keep your bed away from the wall.
- 6—No cold bath in the morning, but a bath at the temperature of the body.
- 7—Exercise before breakfast.
- 8—Eat little meat and be sure that it is well cooked.
- 9—Drink no milk. (This applies to adults only.)
- 10—Eat plenty of fat to feed the cells which destroy disease germs.
- 11—Avoid intoxicants, which destroy the cells that combat disease.
- 12—Allow no pet animals in your living rooms, for they carry disease germs.
- 13—Live in the country if you can.
- 14—Watch the three D's—drinking water, damp and drains.
- 15—Have change of occupation.
- 16—Take frequent and short holidays.
- 17—Limit your ambition.
- 18—Keep your temper.

TO BAKE POTATOES QUICKLY.

In baking potatoes, put a small pan of water in the oven and you will find they bake much quicker.

WILLIAMSBURG COUNTY.

Cades, S. C., Sept. 7, 1914.

F. S. Royster Guano Co., Columbia, S. C.
Gentlemen—I am very much pleased to say that I used your goods along with another reliable company's, and will tell to the public the results obtained from use of your goods was 65 bushels of corn per acre, and 1¼ bale of cotton per acre, against 16 bushels of corn per acre and 1-3 bale of cotton per acre of other fertilizers.

Yours truly, (Signed) J. N. COKER.
Bought of Nesmith & Co., Cades, S. C.

BARNWELL COUNTY.

Hilda, S. C., Sept. 9, 1914.

F. S. Royster Guano Co., Columbia, S. C.
Dear Sirs—I have used several other brands of fertilizer, but find better results from using your brands than any I have ever used. My experience has been that I get better results from use of 400 pounds of either your "Arrow Brand" 8-2½-1, or "Farmers Bone" 9.17-2-2, than by using 600 pounds of other goods.

Bought of (Signed) J. C. DYCHES.
B. J. Hutto, Hilda, S. C.

I am not surprised at the reputation of my goods, for I have omitted nothing that would add to it. *F. S. Royster*

Interesting Information—Continued.

Not Hard to Test Diamond—Simple Methods by Which the Genuine May Be Distinguished From the Artificial.

Marvelously beautiful as are the imitation diamonds of today, an experienced eye never mistakes them for the genuine article.

The average person, however, can easily be deceived, and the following simple tests should assist him when striking a bargain. The facets on a real diamond are rarely so regular as those of really good imitations. With the latter the greatest care has to be taken in grinding and polishing, so that there shall be no regularity in the reflections of the light.

A file cannot scratch a real diamond, but quickly injures an imitation. A sapphire is the next hardest stone to a diamond and is an even better test than the file.

Thrust a diamond ring into a bowl of water and the stones will glitter through the liquid, but an imitation stone loses all its brilliancy under water. If you look through a diamond at a black dot on a piece of white paper you will see one black speck quite clearly. If the dot is blurred or multiplied the stone is probably not genuine.

Place one drop of water upon the face of a diamond, touch it with a point of a pencil—the drop will keep its globule form and the stone remain dry. If the brilliant is an imitation the water at once spreads out.

How the Rain Bores Holes.

When rain falls it does not actually soak into the earth, but bores its way in, forming tiny tubes, says the Rehoboth Sunday Herald. These tubes are so small that it would be impossible to insert a hair in one of them without bursting its walls. Sometimes the tubes are bored down to a depth of four or five feet. When the surface dries the water evaporates from the tubes, just as it would from a pipe. If the tube is twisted it takes longer for the water to evaporate.

If one takes a rake and stirs the ground after each rain he breaks the tops of the tubes and the water will stand in them for months. In this way the farmers of the West, on semi-arid lands, store the rainfalls one year and raise a crop of wheat every other year, there being sufficient water in two years, but not enough in one, to raise a crop.

Wood alcohol will take vaseline stains from wash goods. Soak them a few minutes in the alcohol.

The term "folding," used in recipes, means the cutting down and lifting up of the mixture in such a way as to distribute it as little as possible.

Always push a new lamp wick through the top of a burner, wet the lighting end in kerosene, turn low and allow it to stand a day before using.

BARTOW COUNTY.

Cartersville, Ga., Sept. 7, 1914.

F. S. Royster Guano Co., Atlanta, Ga.

Gentlemen—I have used ROYSTER'S GUANO for two years with the best of results. I use 300 lbs. of ROYSTER per acre and get from one thousand lbs. to one bale of cotton per acre. I think it far ahead of all other guanos I have used.

Yours very truly,

J. S. ANDERSON.

Bought of

C. B. Richards, Pine Log, Ga.

BERRIEN COUNTY.

Milltown, Ga., Sept. 2, 1914.

F. S. Royster Guano Co., Atlanta, Ga.

Gentlemen—I have used Royster's High Grade Soluble Guano 10—2—2 right beside of a guano that cost about \$5 per ton more and your 10—2—2 beat it bad. Royster's is as good for both corn and cotton as I have ever used and I certainly want to use it next year.

Very truly yours,

B. L. LILES.

Bought of

Bostick, Giddens Co., Milltown, Ga.

Experience is the best teacher: test ROYSTER'S beside other brands.

Interesting Information—Continued.

When the Eyes Need Aid—Nature's Methods of Warning Are Many and They Should Not Be Long Disregarded.

Symptoms of eye strain are pain in the temple, pain in the back of the head and neck, red eyelids and inability to see at a great distance or to read long at a time. The eyes become tired and vision blurred; There is strabismus or cast in the eye and a tendency to avoid light. The eyes are partly closed; there are twitchings of the lids, sick headache and dizziness. It brings on neuralgia and headache that medicines fail to cure.

Nearly every condition recited above, if brought about by defective vision or an abnormal state of the ocular muscles, can be relieved by glasses, says a writer in the "Family Doctor." The fitting of glasses is, at times, a very difficult task and should be entrusted only to one who thoroughly understands the different defects and diseases of the eye, and is skilful with the appliances used for the scientific selection of proper lenses.

The Black Death.

This terrible plague, originating somewhere in the East, passed by way of Armenia into Asia and thence to Egypt and North Africa. Reaching Sicily in 1345, it spread over Italy, France and nearly all of the countries of Europe, including the British isles. The mortality was appalling, some 25,000,000 of people dying from the dread epidemic. The nature of the great pestilence has been a matter of much controversy, but it is generally conceded that it was closely related to what is known today as the "bubonic plague."

Tobacco for Hiccoughs.

In a Russian medical journal Dr. G. Tatevosoff draws attention to the excellent service which may be obtained from the ordinary snuff tobacco as a means of cutting short hiccoughs. He relates an instructive case of a patient with some chronic chest disease, accompanied by violent cough attacks, in which the latter used to be followed by extremely obstinate hiccoughs.

The common remedies (including cocaine) failing to exercise any controlling influence on the most distressing symptoms, Dr. Tatevosoff at last decided to give a trial to the said old-fashioned popular means, making the patient on each occasion thoroughly snuff into his nose a pinchful of the powder until the appearance of lively sneezing. From the first treatment the effect was truly brilliant, the hiccoughs subsiding as if by magic.

CARROLL COUNTY.

Bowdon, Ga., August 15, 1914.

F. S. Royster Guano Co., Macon, Ga.
Gentlemen—I have been using ROYSTER goods eight or ten years and they give the best of results. To show how well I like ROYSTER'S, I hauled my Guano this year from Carrollton, eleven miles, when I could have got most any other kind right here at Bowdon. Your goods always give satisfaction.

Very truly yours,

Bought of J. M. TARPLEY.
Perdue & Pace, Carrollton, Ga.

CHEROKEE COUNTY.

R. 2, Canton, Ga., Sept. 1, 1914.

F. S. Royster Guano Co., Macon, Ga.
Dear Sirs—I have been using Guano for twenty-one years and during that time have used several different brands by the side of ROYSTER, but yours is better for corn, cotton or wheat than any I have ever used. The first ROYSTER GUANO I ever bought was fourteen years ago, and for the last two years I wouldn't buy any other.

R. P. DAY.

Bought of Frank P. Burtz, Canton, Ga.

Read what others say who have made expensive tests, and be guided by their statements that ROYSTER proves the best.

Interesting Information—Continued.

Better Gas Lights.

Gas mantles which have become so discolored that they give a bad light can be made almost like new by sprinkling a pinch or two of fine salt over them while alight.

Removing Grease Spots.

Benzine or naphtha is the best thing for removing grease spots from woollens, while ether or chloroform should be used on silks and other delicate fabrics. Whatever solvent is used should be applied with a thick piece of sateen to avoid the danger of dust.

Making Your Own Glue.

A simple, effective glue that is harmless, colorless and odorless can be made by adding ordinary tapioca to water and boiling.

Moisten Coal Before Using—Fuel Should Be Thoroughly Dampened to Secure Extreme Value of Product for Heating.

Dry coal does not produce as much heat as coal that is considerably damp. It is, of course, a fact that a greater heat makes the fuel more valuable, and it is essential to know how to secure the most from ordinary fuel.

Coal that is to be burned in a furnace, a stove or a grate for immediate heat will produce nearly one-fourth more heat when wet than when dry.

Large lumps of coal can be soaked in a pail of water for a half hour, and the heat will be increased nearly one half. This is done in cases where the lumps are used in stoves tightly closed, such as those known as airtight furnaces.

Several pails of water thrown over a ton of coal will increase its value greatly to the consumer.

Coal will burn briskly in wet and almost airless mines, and it is said the heat is intense.

When there is a fire and the coal pile burns, it is difficult to drown that portion of the fire with water.

We might as well secure a little of the heat stored in burning water as to permit it all to go unused.

Coal that is to be placed in a stove or furnace to be closed up so as to produce a long-continued, moderate heat will produce a little more than one-third more heat if there is plenty of moisture than can be secured if the coal is real dry.

COFFEE COUNTY.

Douglas, Ga., Sept. 2, 1914.

F. S. Royster Guano Co., Atlanta, Ga.

Gentlemen—Last year I used 500 lbs. of VIKING AMMONIATED 9-2-3 per acre under cotton and made a bale per acre where the year before I only made one bale on two acres with other goods. This year I am using the VIKING 9-2-3 again on cotton and your VULCAN 8-2-4 on corn and am well pleased.

Yours very truly,
J. F. DENT.

Bought of
B. W. Tanner, Douglas, Ga.

CLAYTON COUNTY.

Riverdale, Ga., Aug. 27, 1914.

F. S. Royster Guano Co., Macon, Ga.

Dear Sirs—ROYSTER GUANO gives good results. I used it beside other fertilizers and it shows up fine. I only used one ton, but I wish I had used ROYSTER under my whole crop. I never used it before this year but think I will use all ROYSTER the next time.

Yours very truly,
T. L. PHILLIPS.

Bought of
W. O. Camp, Riverdale, Ga.

Place your order for ROYSTER'S early and avoid the possibility of having to take "something just as good."

HOUSEHOLD HINTS.**To Make Windows Bright.**

A spoonful of kerosene added to a kettle of very hot water is excellent for making windows, looking-glasses, and picture glasses bright and clear. Use a small clean cloth, wring it dry and rub it over the glass, after wiping down the framework with an oiled cloth. Then wipe dry with a large clean cloth. No real polishing is required to make the glass look clean and shiny.

A Test for Seeds.

Seeds not sufficiently ripe will float in water, but when arrived at full maturity they will sink to the bottom, and this is proof that they are good to plant.

Saving the Peaches.

If you open a can of peaches and find them fermented do not throw them away. Heat them over, sweeten a little and make them into pie.

A Famous Chef's Advice.

In making a fruit cake pour half the batter in the pan before adding the fruit, then the fruit will not be found at the bottom of the cake.

Mending an Umbrella.

Take a small piece of black sticking plaster and soak it until it is quite soft; place it carefully under the hole inside and let it dry. This is better than darning, as it closes the hole neatly and without stitching.

Caring for the Clock.

Be careful about winding clocks. Wind them always at the same time and never wind them too tight. Find out just how many full turns of the key it takes to wind the clock to the proper point, and always stop with that number of turns.

A clockmaker says that the hands of the clock should never be turned backward. If it is necessary to set the clock, push the hands forward, as there are some very delicate screws that the backward pushing is likely to disturb.

If the clock strikes, always wait, when setting the clock, with the hand just after each hour, for the clock to strike for that hour; and wait at the half-hours, too, if the clock strikes every 30 minutes.

Don't let the clock run down. Wind it regularly every 12 or 24 or 36 hours, or seven days, or every stated time when it needs winding.

A clock should be moved as seldom as possible. If it does not go when it is first placed, probably it is placed unevenly. An unevenness of a fraction of an inch may cause a clock to vary several minutes from the right time each day, or may cause it to fail to go altogether. So start it in a good position and leave it there as long as possible.

CLARKE COUNTY.

Athens, Ga., Aug. 19, 1914.

F. S. Royster Guano Co., Macon, Ga.

Gentlemen—This is the first season I have ever used ROYSTER'S GUANO, but from present indications I am well pleased with it. I have the best piece of corn in Clarke County, under which I used only 200 pounds per acre of ROYSTER'S VIKING AMMONIATED GUANO 9-2-3.

Yours very truly,

Bought of **GEO. M. BOOTH.**

W. L. Childs, Athens, Ga.

CHATTOOGA COUNTY.

Lyerly, Ga., Aug. 31, 1914.

F. S. Royster Guano Co., Macon, Ga.

Dear Sirs—I have used ROYSTER GUANO for a number of years, with satisfactory results. I have also used other Guanos of the same analysis, right beside ROYSTER, but ROYSTER'S always give best results and I prefer it to all others.

Yours very truly,

N. J. EDWARDS.

Bought of

J. L. Pollock & Bro., Lyerly, Ga.

Something "just as good" is always an acknowledgment of inferiority.

Household Hints—Continued.

External Vegetarians.

Internal vegetarianism is common enough, but the external sort is rare. It is the latest beauty fad.

Internal vegetarians utilize vegetables by swallowing them. The other class apply vegetables to the skin with, it appears, excellent results.

The red pulp of watermelon, according to external vegetarians, is a good astringent, and, applied daily, will remove the most obstinate wrinkles.

Carrot water—rain water in which grated carrots have stood overnight—is said to whiten and clarify considerably the muddiest complexion.

For removing sunburn and freckles cucumber juice is recommended.

External vegetarianism offers a number of recipes for making the skin fresh and ruddy—among others tomato pulp frictions, lemon frictions and onion frictions.

Save the Peelings!

Among the innumerable expedients that have been suggested to reduce the cost of living, the use of potato peelings has not been sufficiently emphasized. These humble and usually despised parts of the potato are not without value. Instead of throwing them into the garbage can, the thrifty housewife, if she lives in the country and has a potato patch of her own, might better put them into a gunny sack and hang them in the woodshed or in some dry place where they will not freeze. If she does this she will not have to buy seed potatoes next spring, but can plant the peelings, which will sprout and reward her with as fine a crop as she could get from the potato itself, provided the "eye" or bud is on the peeling.

Another and more general use for the parings is as shavings or kindlings with which to start the kitchen fire. When dried thoroughly they are very inflammable, and even when not quite dry will burn as well as newspapers. The five or ten cents a week spent for kindling wood might thus be saved.

To give additional endurance to the wearing qualities of the heels of stockings, rub paraffin on them.

To scald milk, set it in a jug or basin in a pan of cold water over the fire. When the water boils the milk is scalded.

Matting may be cleaned by washing it with water in which bran has been boiled, or in weak salt water. Dry it well with a cloth.

For the ironing board try a pad made of old newspapers under the ironing sheet.

DECATUR COUNTY.

Iron City, Ga., R. F. D., Aug. 15, 1914.
 F. S. Royster Guano Co., Macon, Ga.
 Gentlemen—I have used ROYSTER'S ELMO BRAND FERTILIZER 9-1-3 and ALAMO AMMONIATED GUANO 10-1-5 this year and find them much better than other brands I have been using. I get better results from ROYSTER. It holds my crop up better. I expect to keep using F. S. R. Yours very truly, H. H. HARRELL.
 Bought of
 Powell & Brown, Donalsonville, Ga.

DODGE COUNTY.

Empire, Ga., Aug. 26, 1914.
 F. S. Royster Guano Co., Macon, Ga.
 Dear Sirs—I used ROYSTER'S GUANO this year exclusively. We used ROYSTER'S ROMAN GUANO—10-3-6, 300 pounds per acre, under cotton and will make about 1000 pounds of seed cotton per acre on land that was making 400 pounds thirty years ago. I think ROYSTER'S the last word in Guano. Yours very truly,
 R. L. WRIGHT.

Old-fashioned virtues and new-fashioned methods are combined in ROYSTER'S Fertilizers.

Household Hints—Continued.

Gloves Cleaned.

White silk gloves cleaned by the following recipe I find most satisfactory, writes a contributor to Los Angeles Express. To a pint of warm water (not hot) add one tablespoonful of aqua ammonia, put on the gloves and rub hands gently together as if washing them, using a very little good soap, rinse and dry in shade. Take about one minute to a pair of gloves. A white wool waist and silk scarf cleaned with ammonia and water were equally successful.

When Renovating Is Needed—Proper Application of Colors to Secure the Best Results on Furniture.

Brown—Use turpentine colored with burnt umber, yellow ochre or burnt sienna, according to the depth desired.

Gray—Mix gray in turpentine, allowing one ounce of liquid japan drier to one pint of stain. Apply with a brush, and in five minutes wipe over with a soft cloth. By adding a little terre verte to this formula you will have green; or by adding a very little white lead you will have silver gray.

Violet Stain—One ounce of cudbear, one and a half ounces of carbonate of potassium, one pint of hot water. Apply with a sponge saturated at one end with the color.

White Enamel—One pound of white zinc, one pound of white lead and varnish. Add the varnish to the zinc and lead until it is the consistency of zinc or thin cream.

Ebony Paint—Dissolve dry lampblack in turpentine. Use one ounce of japan drier to a quart of paint.

French Polish—Shellac, three ounces; benzoin, three ounces; boiled linseed oil one and a quarter ounces methylated spirits, two pints. Dissolve and filter. Roll flannel into a ball three inches square. Saturate this with polish, then put about it a piece of very thin muslin, then put a drop of linseed oil upon this pad and rub upon the article with a circular motion. Sandpaper down the polish when dry and go over it once more.

Shellac applied to natural wood finishes covers marred spots.

For Your Oilcloth.

A very good and inexpensive polish for oilcloth and linoleum is made by melting bits of candle and adding common turpentine to the grease. Apply the mixture with a soft rag and polish with a clean cloth.

To Clean White Silk.

An easy way to clean white silk without using gasoline is to lay it on a sheet of soft white tissue paper, cover it thickly with flour, lay another sheet of tissue paper on top, and roll it all up as tightly as possible. Leave it for a few days, and then take it out and shake it well. Be sure to use white tissue paper and not colored for wrapping the silk.

EMANUEL COUNTY.

Covena, Ga., Sept. 10th, 1914.

F. S. Royster Guano Co., Atlanta, Ga.

Gentlemen—The fertilizer which I bought of you this year has given excellent satisfaction. I used VIKING AMMONIATED 9—2—3, on one cut of eight acres I used 800 lbs. per acre, putting down 400 lbs. when planting and then broadcast 200 lbs. in each middle the first of June. This plat will produce 1½ bale per acre. I have another

plat of 12 acres on which I used 700 lbs. per acre and worked practically the same as the first plat. I have picked from this second plat of 12 acres eight bales of the first picking and am sure of four more bales in spite of a twelve weeks drought that came in July. I can highly recommend ROYSTER Fertilizers to anyone. My cotton plants are still green and this is the 10th of September.

Yours for future business,

C. P. PHILLIPS.

Why are you told that some other brand is "as good as ROYSTER'S?" Think it over.

Household Hints—Continued.

Use Milk.

Use milk on patent leather to polish, clean and brighten it. Nothing else gives it such luster and softness.

Use milk to clean piano keys. It removes all dust and grime and does not mar their ivory smoothness.

Use milk to remove ink spots. Wet the ink spot with the milk and keep it wet until the spot disappears. Then wash the spotted fabric in cold water before washing it in warm water. Do not allow the milk to dry—keep adding more to keep it damp. The dried milk sometimes makes a yellow stain that is troublesome to remove.

Use sour milk for sunburn. Dab it softly on the sunburned skin with a little piece of gauze or cotton.

Use milk in starch to give it a gloss. Add a few tablespoonfuls to a panful of starch.

Use milk, on a dust cloth, to freshen gilt mirrors or any other gilt objects. It removes discoloration from them.

Use milk in the boiling water in which lace curtains that have been washed are dipped. It will give them a finish and freshness like new.

Use milk, just brought to the scalding point but not boiled, on skin that is inflamed. Apply it with a bit of gauze. Milk has long been considered efficacious in cases of eczema, used in the way described.—Copyright, 1914, by the McClure Newspaper Syndicate.

For Fingermarks on Wallpaper.

Finger marks on wall paper will quickly disappear when rubbed with a stiff dough of flour and water.

Fruit Stains on Linens.

Smear the stains over with some pure glycerine. Leave the linen for an hour, and then wash in warm, soapy water. Repeat a second time if necessary.

When Cooking Greens.

A piece of bread tied in a bit of muslin and dropped into the water in which greens are boiling will absorb the unpleasant odor.

To Prevent Shoes Squeaking.

Have the shoemaker "spring" each shoe, and insert a spoonful of French chalk between the soles.

For Gas Stoves.

After using a gas stove for baking leave the door open a little while. This allows the heat to escape, and will prevent the metal sweating and rusting.

FRANKLIN COUNTY.

Canon, Ga., Aug. 29, 1914.

F. S. Royster Guano Co., Macon, Ga.

Dear Sirs—I used 300 pounds of ROYSTER'S VULCAN AMMONIATED GUANO 8-2-4 to the acre last year and made one bale of cotton to the acre. ROYSTER'S is as good as I want.

Yours very truly,

W. M. HILL.

Bought of

Bagwell & Burton, Canon, Ga.

GREENE COUNTY.

Union Point, Ga., Sept. 1, 1914.

F. S. Royster Guano Co., Atlanta, Ga.

Gentlemen—I have used ROYSTER'S GUANO five years with better success than any I have ever used. I made one bale of cotton and sixty-five bushels of corn last year to the acre and will get about eight bales of cotton on ten acres and twenty-five or thirty bushels of corn this year, and it was the dryest year I ever saw. Yours very truly,

Bought of T. H. BOSWELL.

E. W. Stewart, Union Point.

The popularity of ROYSTER'S is built on the public's preference for that which is best.

Household Hints—Continued.

Food for the Convalescent.

There is no more savory dish of meat to serve, for one who is taking a little hearty food, than a nice, well broiled piece of steak. Have it cut about two inches thick, place it on a greased wire broiler and hold it over the coals, turning it every time you count eight. After it is well seared, so that the juices will not run, it may be cooked slower until of the right stage to suit the individual to be served. Rare broiled steak is easier of digestion than that which is well done. Spread with butter and serve on a hot platter, with a sprig of parsley for a garnish. A teaspoonful of lemon juice may be poured over the steak, to its improvement.

Chocolate Sirup.—Put an ounce of chocolate in a saucepan, add a cupful of boiling water, stir until it begins to boil; then add two cupfuls of sugar and stir until dissolved; cook for three minutes, cool, add a teaspoonful of vanilla and bottle for use. Put two tablespoonfuls of the sirup in a glass, add whipped cream, a half cupful of milk and fill the glass with sparkling water; add ice and serve. It makes a good drink with plain chilled milk.

Ramekins of Sweetbreads.—To one and a half cupfuls of white sauce, add the beaten yolks of two eggs, one cupful of sweet breads cooked and cut fine, seasoning to taste, and the whites of three eggs beaten stiff and added the last. Put to cook in buttered ramekins and bake 20 minutes in a moderate oven.

Grape Snow Pudding.—Soak two tablespoonfuls of gelatin in enough water to cover. At the end of an hour add it to a quart of heated grape juice, add the juice of a lemon and sugar to taste. When the mixture begins to thicken add the whites of four eggs beaten stiff, turn into a wet mold and set on ice to mold. Serve on a platter surrounded with whipped cream.

Stock From Bones.

A housewife frequently has trimmings of meat, cooked or uncooked, which, if she is thrifty, she may make into a nutritious stock. Put the odds and ends into a pot with some bits of carrot and onion and salt and pepper; let them simmer on the back of the stove for some hours and strain off at night. An earthenware crock is best for soup stock and, closely covered, may be left setting on the stove. This stock is used for making gravy, soups and sauces instead of water.

If your glass jars won't open, set them top downward in an inch or two of hot water.

To prevent hot fruit cracking a glass jar, place the jar upon a wet cloth before pouring the fruit into it.

GWINNETT COUNTY.

Lilburn, Ga., Sept. 5, 1914.

F. S. Royster Guano Co., Macon, Ga.

Dear Sirs—I have been using your Fertilizers for five years and make from one to one and a half bales of cotton per acre with ROYSTER'S COTTON SPECIAL 10-4-4, using 400 lbs. per acre. My corn crops will make from 35 to 40 bushels per acre.

Yours very truly,

A. T. JACOBS.

JACKSON COUNTY.

Winder, Ga., Aug. 15, 1914.

F. S. Royster Guano Co., Macon, Ga.

Gentlemen—I have used ROYSTER'S VIKING AMMONIATED GUANO 9-2-3 for five years and I find it to be as good as I want. I can make a bale to the acre with three hundred pounds of ROYSTER. It never has failed.

Very truly yours,

C. J. McDANIEL.

Bought of

Griffith, Hill & Co., Winder, Ga.

Remember, when offered substitutes for ROYSTER'S, that "what's good enough to imitate is good enough to buy."

Household Hints—Continued.

Stiffening Curtains.

When doing up curtains at home if flour is used instead of starch the iron will not stick so much and the curtains will have more the appearance of new ones. One good tablespoonful of flour for each curtain is sufficient. Mix the flour to a thick paste with cold water, then put in the tub and pour on as much boiling water as required for rinsing the curtains.

Novel Salad.

An attractive way to serve small bits of smoked chicken is to cut them into tiny cubes, put into a cup, and add enough seasoned gelatin to cover. Put into a cold place to get firm. Unmold, cut into small squares, sprinkle with finely chopped celery, and serve as a salad with a French dressing or a stiff mayonnaise.

Good Hand Cleanser.

Kerosene will cleanse your hands better than anything else after blacking a range or stove. Pour a little in the water, wash your hands in it, then wash them in tepid water and finally with plenty of soap and a stiff nail brush in hot water. Finish up by rubbing the hands with lemon juice, rose-water or glycerin.

For Results in Laundry—Exercise of a Little Care Will Make All the Difference in the Finished Work.

Green, yellows, lavenders or pinks should not be blued.

There is special starch prepared to be used with black materials.

Colored wash materials must be ironed on the wrong side if the color is to be retained; and the iron must not be too hot.

Several wash dresses of different colors should not be washed together, for if one garment should happen to run it might spoil the others.

When laundering cretonnes or tickings and chintzes, use bran instead of soap. Cook four cupfuls of bran in a gallon of water for 20 minutes, and use half of it in the wash water and half in the rinse water.

Colored wash goods should not be soaked, nor should they be washed in very hot water, nor boiled. To use soap with colored materials, melt one cake in two quarts of water, and use this instead of rubbing soap on the goods.

When salt is used to set the color in wash materials, it should be used with clear, cold water, and not with the soap, as is sometimes done.

Salt is best to set the color in pinks, browns and blacks only, using a cupful to a gallon of water. Vinegar is best for setting the color in shades of blue, using half a cupful to a gallon of water.

MERIWETHER COUNTY.

Bullochville, Ga., R. F. D., 8-31-14.

A word for ROYSTER'S GUANO.

"No other goods could do the work that ROYSTER does for man;

It grows the grain and helps the pain, and makes it better land.

My friends, you that do not use ROYSTER, just try it for a plan;

Let other cheap fertilizers go, and be a wealthy man."

Yours very truly,

Bought of ANDY J. NEWMAN.
P. S. Talbot, Bullochville, Ga.

TAYLOR COUNTY.

Howard, Ga., R. 1, Aug. 21, 1914.

F. S. Royster Guano Co., Macon, Ga.

Gentlemen—I used ROYSTER'S AMMONIATED GUANO this year for the first time and I am making one of the finest crops I ever made. I will make one bale or more to the acre. I gathered 500 pounds August 15th on one acre. I am well pleased with results.

Very truly yours,

W. E. BAZEMORE.

Bought of
F. E. Cosey, Howard, Ga.

No detail is too small, no care too great, in making ROYSTER'S up-to-date.

THINGS WORTH KNOWING.

When decorating a birthday cake, cut leaves and stems from citron and with the rose cups to hold the candles this makes a pretty decoration. Put the leaves and stems on to the frosting while soft.

When raisins and prunes stick to the paper which wraps them, hold them a moment over the steam of the teakettle.

White shoes may be quickly cleaned by rubbing with a piece of batting and powdered pumice stone. The whitening need be done less often.

Skirt hangers which are wire with a clothespin at each end make fine paper bag, and laundry paper holders. Hang the holder up behind the door and keep all wrapping paper together.

Give the baby, no matter how small, frequent drinks of cool water. A tablespoonful of orange juice between meals is another most wholesome and refreshing drink for tiny infants or older ones.

Adhesive tape is a most valuable help in the household; it will stop a leak in the hot water bottle for at least one using, and is indispensable in many ways.

A strip around a sore toe will cure a corn if kept on, as it softens the corn and protects it from the shoe.

Keep the lamp chimneys covered with paper bags to keep them bright.

A cold foot bath is the solution for the cure for insomnia for one woman.

Dip the sweeper brush in water, shake and replace it, then it will pick up clean all the lint and dust with none flying in the air.

When making a fruit cake put the fruit in in layers with the dough, then it will not all be at the bottom when it is cut.

Every busy housewife will, if she follows these suggestions, find herself happier, calmer and more rested at the end of the day. What are the things I can leave undone? Make room for a few moments during the day of absolute quiet, rest and relaxation. Avoid haste and hurry. Habituate yourself to the control of the emotions. Cut off all engagements that interfere with sleep.

Hot Weather Table Napkins.

Table napkins that can be washed out easily and are specially desirable in summer, can be had by using cotton crepe. Two yards of white cotton crepe costing about fifteen cents a yard, will make a dozen napkins. Cut these in squares, and fringe them. They make excellent napkins to use at the children's meals or for occasions where the very "best" in table linen is not needed.

The odor of kerosene lamps can be stopped by putting one teaspoonful of fine table salt into each lamp. The salt should be cleaned once a month.

TIFT COUNTY.

Fender, Ga., R. F. D. No. 1, 9-7-14.

F. S. Royster Guano Co., Atlanta, Ga.

Gentlemen — I have used Royster Fertilizer this year with good results. I used 400 lbs. of AMBOY H. G. 10-2-6 per acre on some of my cotton, putting out 200 lbs. under the cotton before planting, 200 lbs. in the siding about the time I saw the first blooms on the cotton. I will get about a bale to the acre although the seasons have been bad for cotton this year.

Your FARMERS' BONE FERTIL-

IZER 8-2-2 is the best corn fertilizer I have ever used. It grows corn green and don't burn. I used 250 lbs. of FARMERS BONE per acre this year, and will get 20 or 25 bushels per acre. I put a little down with the corn when I planted it, and the balance in the siding furrow at the second plowing. ROYSTER makes corn hump. All a man needs is seasons, and to till the soil, with plenty of ROYSTER FERTILIZER, and he will make a bumper crop.

Respectfully,

G. W. SUMNER.

You feed your stock the food they really need—why not feed your crops with ROYSTER'S Fertilizers?

Things Worth Knowing—Continued.

Dishes Made Over.

The problem of serving reheated and made-over dishes is not one which comes occasionally; but is an ever-present condition to face.

Sometimes these left-overs look so unappetizing that we think of the clever little poem of Myrtle Reed, in which she speaks of the contents of the ice-box:

A roast beef remnant, flat and stale, unprofitable as sin,
A lettuce leaf, a celery stalk, a cold baked fish's fin,
A soft tomato, leaning close against its withered skin.

Too often we are not cheered by even the above worthy eatables, and the depressing fact that there is nothing in the house to eat, stares us in the face.

The happy housewife who never has any leftovers, is not house-keeping save in books, and practical mortals find it necessary to study the possibilities of, often very unpromising, bits of leftovers.

With bits of leftover fish one may serve creamed fish, a fish salad or a soufflé.

Fish Soufflé.—Pick up the fish and heat with a cupful of fish one cupful of white sauce, simmer a moment or two, add the beaten yolks of three eggs, cook, then cool and add the well beaten whites of the eggs carefully folded in. Turn into a buttered baking dish, set in a pan of hot water and bake until firm. The seasoning should be added to the soufflé when cooking, before putting into the oven.

Cold boiled rice added to scrambled eggs makes the dish go farther and also improves it.

A tablespoonful of uncooked rice put into a saucepan with a little butter and cooked until yellow, then a little water added and cook until tender, makes another savory addition to a few eggs, scrambled.

Pilau.—Cook one small onion, finely chopped, with a tablespoonful of butter; when it is beginning to turn yellow add two cupfuls of cold meat, diced, season with salt and pepper and cook slowly ten minutes. Add a cupful of tomato and half a cupful of boiling water, simmer until the rice is tender.

Drying Fruit.

Sun dried fruit, also corn, is best; but there are many drawbacks to drying it out of doors in this variable climate. The following method is fine for those who have a hotbed for early vegetables. And all that is necessary is to lay a floor on top of the dirt. The fruit or vegetables can be placed directly on this floor, if tight and clean; or paper or cloth can be spread over boards. When the articles to dry have been placed inside of hotbed, put the sash back on, but be sure to raise both ends about two inches, to give free circulation of air over fruit, which carries off moisture and prevents burning. Rain cannot reach it; insects cannot stand the heat, and whatever article one puts in dries very quickly, and the quality is fine.—*Woman's Home Companion.*

WALKER COUNTY.

Villanow, Ga., Sept. 1, 1914.

F. S. Royster Guano Co., Macon, Ga.

Gentlemen—I have used ROYSTER goods for ten years and never use any other when I can get ROYSTER'S. I believe it is the best Guano on the market. I use 400 pounds of HIGH GRADE SOLUBLE 10—2—2 to the acre and always make a bale per acre. I have used other brands but always make better cotton with ROYSTER'S.

Bought of CHAS. LOVE.
J. H. Wood & Sons, Rocky Face, Ga.

WORTH COUNTY.

Sumner, Ga., R. 1, Aug. 29, 1914.

F. S. Royster Guano Co., Macon, Ga.

Dear Sirs—I have used ROYSTER'S goods this year and am well pleased with it. I have corn on which I used 450 pounds per acre and will make 40 bushels per acre. I think ROYSTER'S goods the best I have used in years.

Very truly yours.

E. M. FLETCHER.

Bought of Shingler Supply Co., Shingler, Ga.

ROYSTER'S 30 years of constant increase must be built on something solid—don't you think so?

Things Worth Knowing—Continued.

Real Worth in Hot Milk—Not Only as Food, But for Many Other Reasons It Is of Considerable Value.

Not every one appreciates the value of hot milk. Many persons who cannot digest cold milk find that when it is heated and a pinch of salt added it agrees with them perfectly. Milk so hot that it must be sipped will often soothe the nerves of a person too tired and excited by the events of the day to sleep.

For a woman tired and hungry after shopping a cup of hot milk and a crisp cracker, a piece of toast or a graham wafer, will supply the needed refreshment. A little flavoring is an acceptable addition, such as a pinch of cinnamon, cloves, allspice, nutmeg, vanilla or maple extract.

Then again hot milk is valuable for the toilet. It is good to apply to a burn. Should the skin be dry or chapped wash it night and morning with warm skimmed milk. This is far more healing than the average cosmetic. Milk has a way of softening and whitening dark complexions. It is beneficial for those who live in steam heated rooms and should be used as a face lotion upon retiring.

Pancakes Furnish Complete Diet.

Considered from a physiological point of view, the custom of eating pancakes is commendable, says the Lancet. It is a satisfactory fact that they have become popular sweets at other seasons than carnival time, for they are nourishing and digestible food.

A review of the ingredients which provide the formula shows at once that the pancake is a singularly complete diet, containing, that is to say, all classes of food materials. It is rich alike in proteins, carbohydrates, fats and mineral substances, all in an acceptably assimilable form. It is doubtful whether there is a single manufactured or patent food upon the market which can claim such a valuable range of dietetic properties. Apart, moreover, from its dietetic value the pancake possesses an important pharmacology, inasmuch as it is rich in lecithin, which is now known to have a special significance in the processes of nutrition and metabolism.

Summer Mats.

If you have any odd bits of cretonne left from making draperies or pillow covers, make the pieces into round or square mats and edge them with the cheap torchon lace one can buy on the bargain counter for five and ten cents a yard. Bureau scarfs and table scarfs of cretonne, edged with lace, tone in well with summer draperies at the windows and covers on the furniture.

If silver is rubbed up every day with a dry flannel rag it will not have to be cleaned with silver polish oftener than once a month.—Racine Journal.

APPLING COUNTY.

Rockingham, Ga., Aug. 23, 1914.

F. S. Royster Guano Co., Macon, Ga.

Gentlemen—I have been using ROYSTER'S FERTILIZER for the last five years, and it has given me good results. I tried your FARMERS' BONE 8-2-2 beside some 9-2-3 of another Company. Where I used the 9-2-3 it looks like there is nothing to the cotton, but where I used ROYSTER'S 8-2-2 the cotton is far better.

Bought of R. E. CROSBY.

A. Cameron, Rockingham, Ga.

WILKES COUNTY.

Danburg, Ga., R. F. D. No. 1,

Aug. 31, 1914.

F. S. Royster Guano Co., Atlanta, Ga.

Gentlemen—This year I used Royster's Piedmont Special 9-3-3 and Jupiter High Grade 8-4-4. The 8-4-4 can't be beat on Gray Land. I have used meal goods and other high grade guanos, but none make cotton fruit like Royster's 8-4-4 FISH SCRAP.

Very truly yours,

D. R. BEASLEY.

The only farmers who have doubts as to the best fertilizer are those who have not used ROYSTER'S.

POULTRY FACTS.

Market Eggs Often.

Market your eggs as often as possible. Do not wait for a big basketful. The fresher they are the better satisfaction they give, and you can establish a fine reputation with your patrons or the dealers by always supplying cool, fresh, clean eggs, of uniform size and color if possible.

Aid to Digestion.

One of the best aids to good digestion is a supply of charcoal where the fowls can reach it at any time. It absorbs most of the poisonous juices in the digestive organs.

Weight for Market.

When chicks weigh a couple of pounds send them to market; the next pound will draw more heavily on the pocketbook.

Infertile Eggs Best.

The eggs will keep better during the summer if no males run with the flock, for it is the germ in the egg that first starts the decay, and when that germ is absent the keeping quality of the eggs is considerably improved.

Do not forget that in the composition of the egg there is a great proportion of water, and the laying hen cannot produce eggs unless she has all the water she wants, and at the time she wants it.

Keeping Frozen Eggs.

Recent experiments indicate that if eggs are canned in a strictly sanitary manner while fresh, and kept frozen, they will remain in good condition for years. The government has been conducting tests along this line. The eggs are kept in cans instead of their original shells, and are completely frozen instead of being kept at a temperature near the freezing point.

Roosts for the Poults.

As soon as the early hatched poults (little turkeys) get large enough to roost, let them roost in the trees or on the tops of sheds. Don't put them in buildings where they will not get as good air to breathe.

Remove the Roosters.

Remove male birds from the flock as soon as the breeding season is over. Infertile eggs can stand more hot weather.

CLAY COUNTY.

Lineville, Ala., Sept. 5, 1914.

F. S. Royster Guano Co., Montgomery.

Gentlemen—I used ROYSTER'S 10—2—2 this year under my cotton with the most gratifying results. My cotton from beginning was 30% ahead of cotton on same kind of soil and preparation, amount of fertilizer same and cultivation same—used a different brand 10—2—2. In future I will use only ROYSTER'S guano. Respectfully,

Bought of R. A. SPEAR.
W. B. Smith & Son, Lineville, Ala.

COOSA COUNTY.

Kellyton, Ala., R. F. D. No. 2,

Sept. 4, 1914.

F. S. Royster Guano Co., Montgomery, Ala.

Gentlemen—I have used F. S. ROYSTER'S GUANO with all other brands and find ROYSTER'S pays me best.

Yours truly,
JNO. H. HOWARD.

Bought of O. T. Smith, Goodwater Ala.

ROYSTER'S Fertilizer is its own best advertisement.

Poultry Facts—Continued.

Shifting the Eggs.

By numbering the eggs under a hen the exact location of each egg has been determined from day to day during the incubation period. It was found that the position was changed daily, the eggs occupying the center of the nest being moved to the periphery, and vice versa, by rotating on the longer axis.

Points of a Profitable Hen—Good Sign of Healthy Fowl When Comb Is Plump and Red and Wattles of a Bright Color.

If the comb of the hen is plump and red, and the face and wattles of a bright color, it is a good sign that she is in health and laying condition.

If confined at such a time she will show great restlessness, wonderful activity, and be full of business when at liberty. She will be on the alert at every sound or motion.

On the other hand, if the comb appears shriveled, or the edges of the comb and wattles are of a purplish red, she will be listless, sleepy and sluggish in her movements.

In such a case she is out of condition, and is either sick or likely to be before very long.

Feed Chickens at Night.

Never allow your chickens to go to roost with empty crops. They should have all the grain they will take in ten to fifteen minutes, just before they turn in.

Treatment for Sick Birds.

Quarantine or kill sick birds. If you treat the sick, let it be done away from the flock. Give one grain soda, three grains subnitrate of bismuth, two grains of powdered cinchona bark three times a day. This is to check the diarrhea. After the diarrhea has been checked give a good poultry tonic. This last should also be fed to the flock at large. Give turkeys sick with it the same treatment.

Earth Floors Best.

The West Virginia experiment station made a test of the comparative merits of board floors and natural earth floors in the hen houses, with the conclusion that cleanly-kept earth floors were much the better.

CHAMBERS COUNTY.

Abanda, Ala., Sept. 14, 1914.

F. S. Royster Guano Co., Montgomery.
Gentlemen—I have been using ROYSTER'S guano for several years and cannot find any other brand that will equal it of the same analysis. On one acre of upland I raised 74 bushel and 20 pounds of corn with 600 pounds of ROYSTER'S guano. All the hands on my farm want nothing but ROYSTER'S guano.

Yours truly,

WALTER SIMS.

Bought of P. B. Tatum & Co., Abanda, Ala.

CONECUH COUNTY.

China, Ala., Sept. 4, 1914.

F. S. Royster Guano Co., Montgomery, Ala.

Dear Sirs—I have used your GUANO for three years and find it the best I can use. All the hands say they do not want any other kind next year. We have given it a thorough test and find it gives better results than any other kind we have ever used.

Yours truly,

GEORGE ELLIS.

Bought of Jas. K. Kyser, Burnt Corn, Ala.

Unusual care and unusual knowledge accounts for the unusual excellence of ROYSTER'S Fertilizers.

HORTICULTURAL HINTS.

Good Tree Pruning Points.

There can be no ironclad rules laid down relative to the pruning of a tree. No two trees are exactly alike, and each one must be treated individually. The object should be to preserve a symmetrical, well-balanced top, open in the center, without crowding the branches in any part.

All branches which grow toward the center of the tree, and those which cross or interfere with each other, should be removed. A fine-toothed pruning saw is best for this purpose and the cuts should be made smoothly and close to the body or main branch of the tree from which the superfluous branch is pruned.

There is usually a little ring or enlargement at the base of each branch; the saw-cut should be made midway and downward through this enlargement.

Proper Feeding of Tree.

Every gardener knows that a tree can be fed and made to grow with increased vigor. If proper nourishment in the form of humus, nitrogen, phosphate, etc., be placed about its roots the tree will absorb this food and grow rapidly and strongly.

But how the tree feeds is somewhat more difficult to explain. In all probability the tree digests its food first and consumes it afterward. Certain it is that the average tree has no means of consuming food as a whole, as members of the animal kingdom absorb it. It is well known that the larvae of certain insects digest their food first and consume it afterward. Observation would indicate that this is exactly what the tree does. The tiny rootlets act on the substances in the earth, dissolving and breaking them up so they can be absorbed through the root pores. In order so to be taken up the chemicals must be in liquid form and devoid of all waste.

The end of each root is armed with a horny substance with which it can burrow through the hard soil in search of food. When food is found it is dissolved into a liquid and absorbed by the root fibers. From the root the food is carried by the sap to all parts of the tree.

Keep Peach Trees Low.

Every effort should be made to counteract the tendency of peach trees to grow tall by cutting the tops back severely and keeping the bearing wood down as low as possible, occasionally cutting off a main limb and training a new shoot.

Allow Blackberries to Ripen.

Blackberries must be allowed to ripen thoroughly on the bush before being picked. The fruit is not always ripe if it is black and the careless picking and marketing of unripe fruit is doing much to discourage the growing of this berry.

CHILTON COUNTY.

Lawley, Ala., Sept. 5, 1914.

F. S. Royster Guano Co., Montgomery, Ala.

Gentlemen—Will say that this is the first year that I have used your goods. Will say that they are the best that I have ever used and I am now 65 years old. I used your FARMERS' BONE 10-2-2 this year, and am delightfully pleased with same.

Yours very respectfully,

Bought of W. B. HICKS.
J. O. Mize, Lawley, Ala.

DALE COUNTY.

Grimes, Ala., Sept. 7, 1914.

F. S. Royster Guano Co., Montgomery, Ala.

Gentlemen—I have used ROYSTER'S fertilizers for a number of years with better results than I have been able to get from any other goods. I have occasionally used some other brands but always at a loss in yield. I prefer ROYSTER'S to any other brand.

Yours truly,

Bought of JIM BYRD.
McGowan & Hoffman, Grimes, Ala.

Progressive farming should include the progressive fertilizer—ROYSTER'S.

Horticultural Hints—Continued.

Feel Loss of the Forests—Enormous Amount of Soil Carried Away by the Rivers Is Distinct Damage to Agriculture.

When the soil is carried away from one place it goes to another, it is not dissolved and lost. The United States geological survey has made an estimate of the amount of silt carried by a number of rivers in the country, and, with the exception of the Mississippi and the Missouri, the Tennessee River stands at the head of the list, the estimate being 11,000,000 tons per annum.

Whenever the water in the river is turbid it is made so by contributions from the soil adjacent to the river and its tributaries. So every time the river waters are muddy they are made so by soil erosion. It is hardly necessary to discuss these things in their relations to agriculture. It is easily seen that the enormous amount of soil that is carried into the streams, into the oceans and the gulf is that much done for the impoverishment of the land.

As the forests in our hill country have been denuded, erosion has grown worse. The farmers of this East Tennessee section would have been vastly better off today than they are had they left the timber standing on the hills. The timber was wasted and, with it removed, the soils have been wasted to the extent that what is left is unproductive.—Knoxville Journal and Tribune.

Protection for the Trees.

To keep rabbits and mice away from the trees, take a length of plain wire screen; form it around the trunk of the tree, fasten the ends together and push it down an inch or so into the soil.

A good way to fasten the ends of the screen is to lap them over about an inch and run a straight wire down through the openings like making a seam with a needle in a piece of cloth. This can be easily removed.

Small Fruit Insect Pests—Greenish or Yellowish Worms Defoliate Currant and Gooseberry Bushes—Easily Controlled.

(By C. P. Gillette, Entomologist, Colorado Agricultural College.)

Soon after the leaves of the currants and gooseberries are well out small greenish or yellowish worms often appear upon them and sometimes completely defoliate the bushes. In most instances the insect doing this damage is either the native sawfly, a green worm, or the imported European sawfly, a yellowish worm with small black spots upon its body. Either of these pests is very easily controlled by treating the bushes with white hellebore in water in the proportion of one ounce to three gallons of water. The white hellebore may be put into a cheesecloth bag and dusted over the leaves with equally good effect. In either case the application is best made toward evening.

The arsenical mixtures will kill the worms equally well, but are not safe to use when the fruit is developing, as they might poison the people who use the fruit later.

DeKALB COUNTY.

Portersville, Ala., Sept. 5, 1914.

F. S. Royster Guano Co., Montgomery.

Gentlemen—I have been using F. S. ROYSTER'S fertilizer for several years and have found it to be the best fertilizer there is made. I have used several different kinds and find F. S. ROYSTER'S to be the best. It gives me the best results. It makes my land yield more per acre than any other.

Yours truly,

Bought of R. C. MEADOWS.
M. H. Killian, Portersville, Ala.

FRANKLIN COUNTY.

Phil Campbell, Ala., R. No. 3,

Sept. 7, 1914.

F. S. Royster Guano Co., Montgomery.

Dear Sirs—I am well pleased with the results obtained from your fertilizer. I gave three different brands a fair test this year and obtained better results from ROYSTER'S than any one of the three. I consider ROYSTER'S the best fertilizer on the market. Yours truly,

Bought of W. T. ODOM.
G. W. Abercrombie, Phil Campbell, Ala.

Feed your crops and they will feed you. *F. S. Royster*

DAIRY NOTES.

Get Most Out of Dairying—Keep Records, Cull Out Unprofitable Cows and Pay More Attention to Individual Feeding.

We talk about the drudgery of dairying, and it is rather a binding business, but it is the poor half of the herd that makes it so. Keep records, weed out those poor cows, pay more individual attention to the rest, feeding them up to their capacity to respond, and feed the rest of the field products to sheep or colts or steers or heifer calves, or even sell them outright. Cull out the unprofitable part of the herd and don't do it by guesswork. Some people think that they can tell by the looks of a pail how much milk there is in it. Any man who has not actually weighed or measured several milkings will be inclined to exaggerate the amount by from 25 to 50 per cent.

Increasing Worth of Cows—Not Over One-third of Dairy Animals in Ohio Produce 300 Pounds of Butter Fat Yearly.

An estimate made by the Ohio station indicates that not over one-third of the cows in that state will produce 300 pounds or more of butter fat in one year if reasonably fed. No dairyman should be satisfied until the poorest cow in his herd is capable of producing at least three hundred pounds of butter fat per annum. The estimate is further made that if all cows in the state were developed to this point the value of the increased production of butter fat would amount to approximately \$17,000,000 annually, an amount equal to the value of all butter now made in the state. What is true for Ohio is equally true for the rest of the country.

Feed Dry Grain to Calves—Digestive Organ of Young Animal

Is Small and Frequent Feedings of Small Amount Is Best.

In feeding skim milk calves the grain needed to supply the missing fat may be corn, barley, oats or a mixture. Occasionally a feeder has skim-milk or alfalfa or clover hay on hand, and to these he adds linseed meal, cottonseed meal or gluten feed. These are all high in protein, and when any one of them is combined with skim-milk and alfalfa—both high in protein—an unbalanced ration results and scours or other digestive troubles follow. The digestive tract of a calf is small and frequent feeding of small amounts during the first month is best. During the first month it is better to grind the grains fed. At the end of this period either oats or corn may be fed unground. Hard grains like kafir and milo give best results when ground. All grain should be fed dry in a trough. Mixing feeds with milk is not recommended, as calves chew their feed better when fed dry.

GENEVA COUNTY.

Geneva, Ala., Sept. 1, 1914.

F. S. Royster Guano Co., Montgomery.

Dear Sirs—I have used your goods three years and have found it to be the best that I have ever used. I expect to use it next year. I never did get but about 4 bales of cotton per year until I commenced using F. S. ROYSTER'S guano, and now I get 10 and 12 on nearly the same land.

As ever your friend,

Bought of **JOE ANSLEY.**
Jenkins & Early, Geneva, Ala.

HALE COUNTY.

Akron, Ala., Sept. 15, 1914.

F. S. Royster Guano Co., Montgomery, Ala.

Dear Sirs—Have used nearly every make of guano for the past 20 years. Had I been using your goods for same time would now be in banking business instead of raising cotton for Boll Weevil. This first year I ever used your goods.

Yours truly,

Bought of **W. E. WEDGEWORTH.**
W. E. Wedgeworth, Wedgeworth, Ala.

I want you to try my fertilizers, if you have not done so.

F. S. Royster

Dairy Notes—Continued.

Good Rules for Dairymen—Nebraska Station Favors Feeding All the Roughage That the Cow Will Eat Up Clean.

The Nebraska station gives the following brief and simple rules as an aid in determining the amount of feed required by each cow:

"Feed all the roughage, such as alfalfa, corn silage, etc., that the cow will eat up clean.

"Feed approximately one pound of grain for every three pounds of milk produced per day.

"Give the cows as much feed as they will consume without gaining in weight.

"Feed some succulent feed, such as corn silage or roots, to make the ration more palatable.

"Be prepared to supplement the pastures by feeding silage when the dry season sets in."

Factors in Dairy Farming—Among Other Things Co-operate With Neighbors in Establishment of Co-operative Creamery,

Important factors in dairy farming:

1. To grow milk-producing feed on the farm and put it up in such condition as to preserve the greatest amount of food value possible.

2. To have cows capable of producing 250 pounds or more of butter fat annually.

3. To have buildings that provide comfort and convenience.

4. To have a systematic method of work that will do justice to the dairy work without extending the hours of labor beyond reasonable time.

5. To have records showing the amount of milk and butter fat production of the individual cows of the herd, the kind, amount and cost of feed and the profit or loss of the business.

6. To have every cow in the herd freshen every year if possible.

7. To feed neither too little nor too much, but in proportion to the requirements of milk production.

8. To be acquainted with the symptoms of contagious diseases so as to be able to apply effective treatment should they appear in the herd.

9. To provide a clean product at all times for the market.

10. To co-operate with neighbor dairymen in the establishment of a permanent market in the form of a co-operative creamery or cheese factory or shipping station.

Splendid Feeds.

Silage or roots (either turnips or mangels) are elegant feeds not only for the milking heifer, but also for the youngster.

HENRY COUNTY.

Headland, Ala., R. No. 3,

Sept. 10, 1914.

F. S. Royster Guano Co., Montgomery.

Gentlemen—I have used your ROYSTER'S guano for two years. Last year I took a place that had been used for a pasture for three years. There was five acres in the place. I used 300 lbs. of ROYSTER'S guano and I got 6½ bales of cotton that weighed 550 lbs. each.

ROYSTER'S friend,

Bought of C. L. SMITH.
H. C. Price, Newville, Ala.

MORGAN COUNTY.

Hartsells, Ala., R. No. 3, 9-14-14.

F. S. Royster Guano Co., Montgomery.

Dear Sirs—This is the first year I have used it, but will say I am well pleased with the results obtained by its use. I have the best crop I ever had in my life. I used four sacks of another company's goods, but where I used your goods it is as good again. I will never hesitate to buy your goods.

Yours very truly,

Bought of HENRY CULVER.
M. F. Patterson, Falkville, Ala.

I do one thing well—make fertilizer. My 30 years' experience is at your service. *F. S. Royster*

LIVE STOCK.

**Feed for Fattening Swine—Most Grains are Deficient in Protein—
Tankage Is Admirably Adapted to Hogs.**

(By Prof. G. R. Sampson, Oregon Experiment Station.)

That protein element in rations for fattening pigs will increase the digestibility of the other food nutrients is a fact shown by repeated experiments. It has also been noted that when protein is added to a ration deficient in this element the animal will eat a larger amount of food.

Since most of our farm grains are deficient in protein farmers should make a careful investigation of the sources from which it can best be supplied. Alfalfa and alfalfa hay are excellent for breeding and growing stock, but are too bulky for fattening purposes. If the pigs eat enough of them to secure the required amount of protein there is not enough feed capacity available for the other necessary nutrients. Bran has the same faults as a fattening feed. Middlings and shorts may be used if the price is not too much above that of the grains fed and the distance of hauling is not too great.

Soy bean meal is being imported from Manchuria and may become cheap enough for supplementary use. Cotton seed meal is richer in protein than either of these, but because of its poisonous effects when fed for long periods should never be used as pig feed for more than forty-two days.

Tankage, a by-product of the meat industry, is admirably adapted to hog feeding and is likely to long remain the cheapest and most satisfactory source of supplemental protein for swine.

It pays better to milk a four-gallon cow and sell her when dry for two cents a pound than to milk a two-gallon cow and sell her for four cents a pound.

Too much protein in the feed for shoats is dangerous. The pigs may become stiff in the leg joints and fail to thrive. A good pig ration is 100 parts corn, 100 parts middlings, 50 parts barley and 20 parts oats.

Low Vitality of Hogs.

Coarseness in hogs indicates low vitality, sluggishness and slow feeding qualities.

If the sow eats her young she will stop it immediately if she is fed salt pork. A small quantity is usually sufficient.

MONROE COUNTY.

Evergreen, Ala., R. No. 3,
Sept. 1, 1914.

F. S. Royster Guano Co., Montgomery,
Ala.

Dear Sirs—I have used your fertilizers for three years and find it to be the best I ever used. Will continue to use it in preference to any other.

Yours sincerely,

CHAS. DAVIS.

Bought of
Jas. K. Kyser, Burnt Corn, Ala.

MARSHALL COUNTY.

Albertville, Ala., Sept. 7, 1914.

F. S. Royster Guano Co., Montgomery.

Gentlemen—Really it is a pleasure for me to recommend your FISH SCRAP GUANO. I cannot say too much in its favor. I have used it along with other goods and the superiority of your goods in growing the crop from start to maturity convinces me that there is nothing better made for Sand Mountain soil.

Yours truly, J. C. HUDGINS.

Bought of
Hudgins & McBrayer, Albertville, Ala.

ROYSTER'S Fertilizers are composed of peculiarly pure ingredients, compounded with infinite precision.

Live Stock—Continued.

Getting Rid of Bot Flies.

The United States Department of Agriculture has recently thoroughly tested a very unusual cure for the disease of horses called bots. Bots are the larvae of the horse bot fly, and live in the stomachs of the horses. They interfere with digestive processes to such an extent as to cause the loss of flesh, generally poor condition, and often death. Dislodging them is extremely difficult.

In the treatment tested the horse was fed a little hay and oats in the morning, and allowed to go without food the rest of the day. In the evening a purgative was given. Next morning the horse was given three drams of carbon bisulphid in a gelatin capsule three times at intervals of an hour. When the capsule reached the horse's stomach it dissolved, and the carbon bisulphid, a liquid that is extremely volatile at the temperature of a horse's body, evaporated rapidly. The gas suffocated the bots and other parasites in the horse's stomach without injuring the horse in the least. The remedy was tried with complete success on a large number of affected animals.

Clean Feed for Horses.

Don't feed dirty grain to your horses. The dust, weed seeds and other foreign matter in the grain is injurious.

Use a sieve to measure the grain, and give it a few shakes to allow the dirt and seeds to fall out before feeding. Some pour water over the grain in the sieve or dip the sieve of grain in a bucket or tub of water a few times. This is a good plan, as it removes all dust and smut. The feed boxes are kept cleaner by treating the grain in this way before feeding.

Oats for Live Stock.

There is no better grain for feeding young animals than oats. They are fairly rich in protein and contain the mineral matters needed for building up the bones. They are not largely used in the South, because they are too high-priced and they are high-priced because the yields made are small. The yields are small because they are sowed on the poorest land, are either sowed too late in the fall or in the spring and are not sowed on properly prepared lands. We know of one farm having 150 acres in oats that produced an average of fifty-one bushels to the acre. On that farm the oat crop was profitable, and if all oat lands in the South produced such yields we could afford to feed oats to our livestock.—Prog. Farmer.

PICKENS COUNTY.

Gordo, Ala., R. No. 3, Sept. 7, 1914.

F. S. Royster Guano Co., Montgomery, Ala.

Gentlemen—I have been using your goods for two years and it has proven to be the best that I have used. I have tested it by leaving off rows in the field and it has proven to almost double the yield.

Respectfully,

J. M. ARCHIBALD.

Bought of

A. E. Golng, Gordo, Ala., R. 3.

RANDOLPH COUNTY.

Wadley, Ala., R. No. 1, 9-8-14.

F. S. Royster Guano Co., Montgomery.

Gentlemen—I have used your goods for 10 years and it is the best guano that I can get. I tried your 10-2-2 last year right along by a 9-2-3 of another brand and yours paid the best. I have gone to town after guano and ROYSTER'S would be out and I would take some other brand and get hurt every time.

Yours truly,

Bought of

A. W. GREGG.

Lewis Schuessler & Son, Wadley, Ala.

ROYSTER'S Fertilizers are economical because the best is cheapest.

PROTECTING CORN FROM BUGS AND WEEVILS.

Some varieties of corn are much more subject to the attack of weevils than others. Soft varieties of corn should not be grown in those sections of the State where the weevil is very bad. Secure the hardest and flintiest variety of corn you can. You will find Cocke's Prolific a very good variety in this respect. Most of the prolific varieties of corn contain less starch and are harder and flintier than the big-eared types. We think you will find them more satisfactory to grow on upland soils than other types, and that they will resist the entry of weevil to better advantage. There is no way to prevent the weevil from attacking the corn in the field. As soon as it is matured you can gather it and treat it with carbon bisulphide. This is accomplished by putting the corn in a tight box or bin and covering with a heavy tarpaulin. Use about five to seven pounds of carbon bisulphide for every 1,000 cubic feet of space. Place it in dishes on top of the bin and as it is heavier than air it will descend and penetrate every section of the area treated. A second application should be made in about two weeks, and a third application early in the spring. Where an open crib is used more carbon bisulphide should be used, but it is not safe to use more than ten pounds, as there is some danger of the gas exploding. Do not bring lights in the vicinity of carbons bisulphide, as it is liable to take fire. It may be handled, though, without danger of injuring the hands. Where one grows any considerable quantity of corn they should endeavor to build cribs which are relatively tight or can easily be made so that the treatment with the bisulphide may be carried on more cheaply and effectively than is otherwise possible.

Cotton seed meal can be fed with advantage to milk cows and to horses. Where a horse weighing 1,000 pounds receives a ration of 12 pounds of corn per day add 2 pounds of cotton seed meal, or if you desire to prepare a mixture, use 600 pounds of cornmeal and 100 pounds of cotton seed meal and feed at the rate of 12 to 14 pounds per day, depending upon the character of work performed by the horse. Give plenty of clean, bright fodder at the rate of 12 to 15 pounds per day. For cows feed from 2 to 5 pounds of cotton seed meal per day, with plenty of good, bright corn stover, or 15 to 20 pounds of hulls. When cows are on good grass two pounds of cotton seed meal will generally be sufficient.

Raise your own teams and one occasionally for your neighbor. So long as men use improved implements they will continue to use good teams. And the best way to have an efficient team on your own farm is to raise colts for this purpose.

SHELBY COUNTY.

Wilsonville, Ala., Sept. 9, 1914.

F. S. Royster Guano Co., Montgomery.
Gentlemen—I have been using the ROYSTER fertilizer for eight years and I have found it the best on the market. In 1912 I used another grade of fertilizer on 2 acres of land. I made one bale of cotton. Last year I used ROYSTERS and made 2 bales on the same amount of land.

Yours truly,

Bought of JOHN MOORE.
J. F. Pope, Wilsonville, Ala.

ST. CLAIR COUNTY.

Ashville, Ala., Sept. 12, 1914.

F. S. Royster Guano Co., Montgomery, Ala.

Gentlemen—This is to certify that I have used ROYSTER'S guano the past four years. After using three brands of guano. I find ROYSTER'S to be the best of any I have ever used and I expect to continue to use ROYSTER'S.

Yours truly,

ROSS W. COKER.

Bought of Teague Bros., Ashville, Ala.

ROYSTER'S excel in mechanical condition as well as in quality.

ANGLO-SAXON, CELT AND GERMAN.

The term "Anglo-Saxon" comes from the fact that England was largely settled, after the old Briton rule, by the "Angles" and "Saxons" from Germany. The Saxons were, of course, from Saxony, and the Angles took their name from a town near Sleswick called Anglen. The Anglo-Saxons are, therefore, of Germanic breed. It may be said, in passing, that the Germans, English, Americans of English ancestry, Danes, Dutchmen, Swedes and Norwegians are all of the same stock. This Germanic stock (for it may very appropriately be called such) now numbers about 160,000,000 in Germany, Great Britain, the Scandinavian countries, Canada, Australia, South Africa and the United States. There is no other human stock that is anywhere so strong numerically.

WAR, ACCORDING TO—

The Enlisted Man—"A chance to break the deadly routine of the parade-ground with some real excitement. In isolated cases to provide opportunities for military or political advancement."

The Business Man—"A period of economical depression, often followed by large failures and the consequent loss of the public's investments."

The Volunteer—"A stern patriotic duty to be entered upon without inquiry as to its justice or injustice."

The Philosopher—"An unintelligent and gross instrument for the settlement of the world's unavoidable quarrels."

The Historian—"A logical, if somewhat regrettable, method of arranging the world's boundary lines."

The Optimist—"The natural strife of humanity, tending toward the general betterment of the social cosmos."

The Pessimist—"The natural strife of humanity, tending toward the general destruction of the universe."

The Mother—"A long vigil in an empty room and a memory of child voices, forever stilled."

The Wife—"A husband gone, a home destroyed, and a woman's heart broken."

The Seer—"The last great barrier between civilization and the millennium."—Life.

TALLAPOOSA COUNTY.

Alexander City, Ala., R. No. 7, 9-7-14.
F. S. Royster Guano Co., Montgomery.
Gentlemen—I wish to say that I have been using your guano for the past five years with great success and it has given me perfect satisfaction. I have tried other brands claimed to be as good as ROYSTER'S but failed to get as good results from them as I do from ROYSTER'S.

Yours truly,
CHAS. B. HARRIS.

Bought of
H. W. Pearson, Alexander City, Ala.

BUTLER COUNTY.

McKenzie, Ala., Sept. 5, 1914.
F. S. Royster Guano Co., Montgomery, Ala.

Gentlemen—I have used ROYSTER'S FERTILIZER for 10 years and get better satisfaction from it than any, especially on old sandy land. Good for anything we produce in this country. A good deal of it is used here. I have used most all kinds of goods, and it is the best.

Yours truly,
S. W. BALDWIN.
Bought of
W. G. Lee, McKenzie, Ala.

ROYSTER Service means the highest efficiency from the selection of material until they run through your drill.

CALENDAR-1915

JANUARY

Su	Mo	Tu	We	Th	Fri	Sa
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JULY

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1916

JANUARY

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FEBRUARY

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MARCH

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JUNE

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FACTORIES AND OFFICES

Norfolk, Va.

Baltimore, Md.

Tarboro, N. C.

Charlotte, N. C.

Columbia, S. C.

Spartanburg, S. C.

Atlanta Ga.

Macon, Ga.

Columbus, Ga.

Montgomery, Ala.

Phosphate Mine,

BARTOW, FLA.

Total Capacity

Manufactured Fertilizers

300,000 Tons

Per Annum