

Farm and Garden

NEW FACTS; OLD MANURES

Values of the Various Sorts of Fertilizer Set Forth Briefly.

Horse manure from city stables usually contains 70 to 75 per cent of water in the form in which such manure reaches the farmer. The solid portion of such manure contains of nitrogen from 0.5 to 0.8 per cent, phosphoric acid 0.3 to 0.5 per cent, potash 0.5 to 0.7 per cent, lime 0.5 to 0.8 per cent, with traces of magnesia. The drier the manure the larger the quantity of actual plant food elements in the ton. Computing the above named quantities of nitrogen therein as worth 20 cents per pound, phosphoric acid and potash each 4 cents a pound, the valuation of horse manure of the above range of composition works out from \$2.64 to \$4.16 per ton.

Sheep manure from stockyards and slaughter houses is sometimes sold in the market either under its own name or as so called "natural guano." Analysis of three such samples sold in Connecticut showed them to contain about as much nitrogen, phosphoric acid and potash as could be bought in the form of fertilizer chemicals for \$11 or \$12 the sheep manure sold at from \$25 to \$33 a ton. But, as the station report says, it must also be remembered that 60 per cent of sheep manure consists of fine vegetable matter, which forms humus in the soil and has distinct value in feeding the soil bacteria and in regulating the water content of the soil.

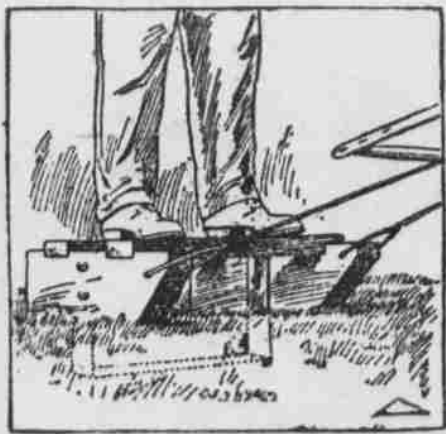
A curious fertilizing material comes in small quantities from silk mills. It is called "cocoon dust" and consists of the dead bodies of silkworms. The Connecticut station found it to be extraordinarily rich in nitrogen, containing nearly 10 per cent of this substance; also small quantities of phosphoric acid and potash.

Sewage waste may be profitable as a fertilizer. The sludge which accumulates on the sand beds used for the purification of sewage at Rockville was found by the Connecticut station to contain of water 68 per cent, of nitrogen 1.34 per cent, with traces of phosphoric acid and potash. This material has almost three times as much nitrogen as stable manure, but it is probably much less available to crops because the more soluble and valuable part of the nitrogen has been removed by water and microbe action. Nevertheless if it can be got for the hauling it might pay for a short haul to plow under.—American Agriculturist.

DON'T CUT SOD WITH SPADE.

Make For Yourself This Ingenious Little Sledge and Halve Your Labor.

The construction of the sod cutter is clearly shown in the sketch. It may be well to add, says Farm Progress, that the knife blade dips downward about three-eighths of an inch in its



CHEAP AND HANDY SOD CUTTER.

width of two and one-half inches. The knife can be adjusted to cut the sod at the proper thickness.

Two men and a boy, with a team, recently cut enough sod to load a flat wagon holding one and one-quarter cubic yards, rolled the sod and loaded the wagon in a trifle more than an hour. The cutter is easily and cheaply made and is a great improvement over the spade.

Puckerless Persimmons.

Yes, it has been done. Do not laugh. You who have been handed persimmons and have bitten to the delight of uproarious spectators.

Our department of agriculture has earned additional fame by taking the pucker out.

We owe the discovery to the Japanese. For five years an expert has been at work for the government devising means to remove the pucker from the persimmon. Like all things, it is simple when you know how. The fruit is put into tanks into which carbon dioxide has been forced and left there three days. Taken out it is sweeter than a Bartlett pear and will keep three times as long.

What part will you take in the campaign for better farming? Much will be required at your hands. Have you determined to do your part?

A Modern Solomon.

"Do you think I am really your affinity?" asked Solomon's nine hundred and eighty-fifth wife coquettishly. "My dear," said the wisest guy, "you are one in a thousand." He got away with it too.—Toledo Blade.

Jansen Sells His Interest

N. C. Jansen, who has been manager of the Central Oregon Well Drilling company since its organization, has sold his interests to E. Wagoner, his partner, who will hereafter have the control of affairs of the drilling company. Mr. Jansen left this morning for Portland, near which city he expects to make his home for the present, and was accompanied by his wife and little son. Mr. Wagoner now owns the majority of the stock in the company, and expects to continue the business along the same progressive lines that have been followed in the enterprise during the past two years.

Auction Sale

Complete farming outfit to be sold, Saturday, August 19, five miles south of Madras. THEODORE RIEGER. a3-10-ch

Bert Widener, a cousin of John T. Dizney, is visiting at the Dizney home at Vanora. His home is in Missouri.

Miss Louise Hammer, daughter of W. F. Hammer, either was thrown from her horse Tuesday, at the ranch at Haystack, or became faint and fell from her mount, and while not seriously injured, she was ill all that day. Mr. Hammer was called to the ranch to attend her.

Astoria Centennial

Opened Today

Continued from page 1.

and expressions of commendation were heard on every side. Manager A. A. Tremp, the man with the pink shirt, lavender tie, coral pin, white vest and brown double breasted coat, with his characteristic smile, said, "Our big pageant is being opened on time, as we promised it would, and we have the biggest amount of free entertainment for those who come to Astoria before September 9, that was ever offered anywhere. It will be gilt-edged amusement, and some instruction mixed with it. That is all I can say about our show now. Look at the program. That tells the whole story." The big-hearted, genial manager was the center of attraction throughout the day, for to him is due all credit for the working out of the entire plan of the celebration.

"Astoria, the City of Lights," as it has been advertised, will see that no one visits their Centennial celebration who will not leave with a satisfaction of knowing that Astoria and the lower Columbia river country is the finest place on earth. Fully ten thousand visitors were present today who are willing to vouch for the grandeur of the pageant as arranged. If the first day is a criterion of the success of the exposition, it will go down

in history as the greatest little exposition ever held, and worthy of the great event it celebrates.

Seemed to Give Him a New Stomach.

"I suffered intensely after eating and no medicine or treatment I tried seemed to do any good," writes H. M. Youngpeters, editor of the Sun, Lakeview, Ohio. "The first few doses of Chamberlain's Stomach and Liver Tablets gave me surprising relief and the second bottle seemed to give me a new stomach and perfectly good health." For sale by M. E. Snook.

Summons.

In the Circuit Court for the County of Crook, State of Oregon:

L. L. Hobbs, plaintiff
vs
Mrs. Julia Hobbs, defendant.

To Mrs. Julia Hobbs, the above-named defendant: In the name of the State of Oregon, you are hereby required to appear and answer the complaint filed against you in the above entitled action within six weeks from August 10, 1911, the same being the date of the first publication of this summons, or suffer a decree to be taken for the dissolution of the marriage contract of the parties to this action, together with the costs and disbursements thereof. LEWIS H. IRVING, Attorney for Plaintiff.

The order of publication in the above entitled case is dated the 20th day of July, 1911.

Notice for Publication

Department of the Interior, U. S. Land Office at The Dalles, Oregon, August 4, 1911. Notice is hereby given that

Matilda McCrudden, of Lamonta, Oregon, who, on April 15, 1910, made homestead No. 06491, for 1/2 sec. 4, tp 12 s., r 15 e., w 1/2 sec. 4, sec. 4, tp 12 s., r 15 e., w 1/2 sec. 4, has filed notice of intention to make final commutation proof to establish claim to the land above described, before Howard W. Turner, U. S. Commissioner, at his office at Madras, Oregon, on the 12th day of September, 1911.

Claimant names as witnesses: Carl McGhee of Madras, Oregon, Andrew Morrow and Mrs. Andrew Morrow both of G. Izly, Oregon, and Ralph Moore of Hayerek, Oregon. a10-57 C. W. Moore, Register.

Notice for Publication

Department of the Interior, U. S. Land Office at The Dalles, Oregon, July 25, 1911. Notice is hereby given that

David Koeh, whose postoffice address is Sisters, Oregon, did, on the 10th day of March, 1911, file in this office sworn statement and application No. 08302, to purchase the 1/2 sec. 4, tp 13 s., r 11 e., w 1/2 sec. 4, and the timber thereon, under the provisions of the act of June 3, 1878, and acts amendatory, known as the "Timber and Stone Law," at such value as might be fixed by appraisal, and that, pursuant to such application, the land and timber thereon have been appraised \$200.00; the timber estimated 124,000 board feet at 50 cents per M, and the land \$138.00; that said applicant will offer final proof in support of his application and sworn statement on the 13th day of October, 1911, before H. C. Ellis, U. S. Commissioner, at his office at Bend, Oregon.

Any person is at liberty to protest this purchase before entry, or initiate a contest at any time before patent issues, by filing a corroborated affidavit in this office, alleging facts which would defeat the claim. a10-65 C. W. Moore, Register.

Notice for Publication

Department of the Interior, U. S. Land Office at The Dalles, Oregon, August 2, 1911. Notice is hereby given that

Harry Windom of Culver, Oregon, who, on August 24, 1909, made homestead No. 05192, for 1/2 sec. 11, tp 13 s., r 13 e., w 1/2 sec. 11, sec. 11, tp 13 s., r 13 e., w 1/2 sec. 11, has filed notice of intention to make final commutation proof to establish claim to the land above described, before Howard W. Turner, U. S. Commissioner, at his office at Madras, Oregon, on the 12th day of September, 1911.

Claimant names as witnesses: E. P. Roby, J. L. Windom, John Green, Carl Windom, all of Culver, Oregon. a10-57 C. W. Moore, Register.

CENTRAL OREGON Well Drilling Co.

ARTESIAN AND SURFACE WELLS
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Public Sale

I will sell at public auction all my stock, farming tools and household effects on Saturday, August 19, 1911, at my ranch five miles south of Madras. a3-10-ch THEODORE RIEGER.

PROFESSIONAL CARDS.

E. BERGLAND
Attorney At Law

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PHYSICIAN & SURGEON

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Notice for Publication

ISOLATED TRACT
PUBLIC LAND SALE

Department of the Interior, United States Land Office at The Dalles, Oregon June 9th 1911.

Notice is hereby given that, as directed by the Commissioner of the General Land Office, under provisions of Act of Congress approved June 27, 1906 (34 Stats., 517), we will offer at public sale, to the highest bidder, at 9:30 o'clock a. m., on the 15th day of August 1911 at this office, the following described land: 1/2 sec. 12, tp 12 s., r 15 e., w 1/2 sec. 12, township 11, south range, 16 East Willamette Meridian, Serial No. 06713.

Any persons claiming adversely the above described land are advised to file their claims, or objections, on or before the time designated for sale.

C. W. MOORE, Register.
J22-a3

Notice for Publication.

Department of the Interior, U. S. Land Office at The Dalles, Oregon, July 29, 1911. Notice is hereby given that

Carrie Messinger, formerly Carrie Smith, of Madras, Oregon, who on December 27, 1905, made Homestead No. 14868, 8 r 10 N. 09246, for 1/2 sec. 12, tp 12 s., r 10 e., w 1/2 sec. 12, township 11, south range, 16 East Willamette Meridian, Serial No. 06713, has filed notice of intention to make final five-year proof to establish claim to the land above described, before Howard W. Turner, U. S. Commissioner, at his office at Madras, Oregon, on the 6th day of September, 1911.

Claimant names as witnesses: E. Fulgham, James H. Davis, L. T. Dam, John A. Peck, all of Madras, Oregon. a3-31 C. W. MOORE, Register.

Notice for Publication

Department of the Interior, U. S. Land Office at The Dalles, Oregon, July 25, 1911. Notice is hereby given that

St-P. Laelling, of Madras, Oregon, who, on June 6, 1905, made Homestead entry No. 14622, Serial No. 03624, for 1/2 sec. 12, township 9 s., r 13 e., w 1/2 sec. 12, township 9 s., r 13 e., w 1/2 sec. 12, has filed notice of intention to make final five-year proof, to establish claim to the land above described, before Howard W. Turner, U. S. Commissioner, at his office at Madras, Oregon, on the 6th day of September, 1911.

Claimant names as witnesses: Alfred H. Parkey, Charley Dillon, Samuel H. Edmondson, and John Evick, all of Madras, Oregon. j27-a31 C. W. MOORE, Register.

Notice for Publication

Department of the Interior, U. S. Land Office at The Dalles, Oregon, July 19, 1911.

Notice is hereby given that Katie Mathers, of Youngs, Oregon, who, on April 28, 1910, made homestead entry No. 06625, for the north half of north west 1/4, sec 23 and north 1/2, sec 22, tp 9 south, r 14 e., w 1/2 sec. 22, has filed notice of intention to make final commutation proof, to establish claim to the land above described, before Howard W. Turner, U. S. Commissioner, at his office at Madras, Oregon, on the 30th day of August, 1911.

Claimant names as witnesses: Joseph Oswald and Elmer Christenson both of Youngs, Oregon, and Stanley Grewell and Fred Fisher, both of Madras, Oregon. j27-24 C. W. MOORE, Register.

NOW IS THE BEST TIME

of the year to have your teeth out and plate and bridge work done and here is the place to get the best painless work possible. Compare our prices.

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Notice for Publication

Department of the Interior, U. S. Land Office at The Dalles, Oregon

Notice is hereby given that Emma G. Marston, formerly Emma G. Marston, of Oregon, who, on April 15, 1910, made Homestead entry No. 06491, for 1/2 sec. 4, tp 12 s., r 15 e., w 1/2 sec. 4, has filed notice of intention to make final commutation proof to establish claim to the land above described, before Howard W. Turner, U. S. Commissioner, at his office at Madras, Oregon, on the 12th day of September, 1911.

Claimant names as witnesses: Matilda McCrudden and all of Hayerek, Oregon. a3-31

Notice for Publication

Department of the Interior, U. S. Land Office at The Dalles, Oregon

Notice is hereby given that Thomas W. Kinnear, of Madras, Oregon, who, on April 15, 1910, made Homestead No. 06491, for 1/2 sec. 4, tp 12 s., r 15 e., w 1/2 sec. 4, has filed notice of intention to make final commutation proof, to establish claim to the land above described, before Howard W. Turner, U. S. Commissioner, at his office at Madras, Oregon, on the 6th day of September, 1911.

Claimant names as witnesses: E. Fulgham, John Edmondson, and William J. Eagles, all of Madras, Oregon. a3-31 C. W. MOORE, Register.

Notice for Publication

Department of the Interior, U. S. Land Office at The Dalles, Oregon, July 29, 1911.

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Claimant names as witnesses: Alfred H. Parkey, Charley Dillon, Samuel H. Edmondson, and John Evick, all of Madras, Oregon. j27-a31 C. W. MOORE, Register.

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Claimant names as witnesses: Alfred H. Parkey, Charley Dillon, Samuel H. Edmondson, and John Evick, all of Madras, Oregon. j27-a31 C. W. MOORE, Register.

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