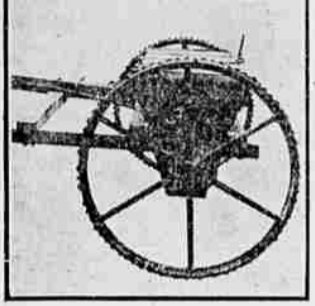


Farm and Garden

LIMING THE SOIL.

Best Cure For So Called "Sour" and "Worn Out" Ground.
By H. B. HITE,
Chemist of the West Virginia Agricultural Experiment Station.

It now seems to be quite generally understood that many of our so called "sour" and "wornout" soils may be greatly improved by intelligent applications of lime. Lime may affect the fertility of the soil in several different ways, all of which are interrelated and a consideration of which is necessary to a proper understanding of its effect in correcting so called "acidity" and building up so called "wornout" soils. Thus lime may (1) improve the soil texture, (2) favor the growth of grass and clover, (3) encourage the development of beneficial bacteria, (4) aid in



GOOD TYPE OF LIME SPREADER.

the decomposition of vegetable matter and the formation of humus, (5) help make the plant food in the soil available to the plant and (6) correct the acidity of the soil. For a proper understanding of the use of lime in correcting acidity and increasing soil fertility these factors must be considered.

Fresh burned lime may be distributed over the field in small piles covered with earth, to be spread with shovel after the lumps have crumbled to pieces. Any other form of lime may be applied with a manure spreader, preferably with a lime hood. Burned lime crushed and screened may be applied with a drill. A good lime spreader does the work rapidly and well. Lime should not be plowed under, but should be thoroughly and promptly mixed with the soil, preferably with a harrow.

The average sour soil examined at this station would require (in round numbers) two tons of burned lime or three tons of hydrated lime or four tons of air slaked lime or ground limestone to correct acidity in one acre to the depth of three feet. If the soil is distinctly acid it will hardly be worth while to apply less than a ton of burned lime or its equivalent. Several such applications may be necessary, but once a normal supply is provided it should not be necessary to apply very much lime, and it will not be necessary to do so if close rotations are the rule.

A NEW VEGETABLE.

Algerian Almost Odorless Onion May Be Valuable in America.

Allium triquetrum, one of the onion tribe, a native of southern Europe and common on the coast of Algeria, gives evidence of being of considerable value as a vegetable. The plants are raised from seed or from the bulbs, which form in large numbers. The bulbs planted deeply in good soil produce large plants, the underground portion of which are white, tender and succulent. The green leaves are removed, the same as with onions, the balance of the stem part forming a delicate vegetable with almost no odor of onion. This may prove a valuable vegetable for growing in our southern states. Only actual tests will prove what it may do in the north. The experiments with this old plant as a new vegetable were conducted by Dr. Traub, president of the Horticultural society of Algiers.

Fruit trees must be pruned for best crop results, but a shade or ornamental tree should never be trimmed without a good reason for doing so.

PROPER DISTANCES FOR FRUIT

The distances given in this table are for small plots that are to receive hand cultivation. The numbers indicate the distance in feet. Where such fruits are planted in rows the distance is given for the rows and also for the plants in the rows. Trees planted in rows should be the same distance apart in the rows and the rows also an equal distance apart:

Apples, standard	20
Apples, dwarf	10
Apricots	15
Bananas, row, 5 plants	15
Cherries	15
Currants	10
Grapes, row, 10 plants	15
Nectarines	15
Pears, standard	20
Pears, dwarf	10
Peaches	15
Plums	15
Prunes	15
Raspberries, row, 5 plants	15
Strawberries	10

BULL FIGHT OR REVOLUTIONARY FIGHT TAKE YOUR CHOICE IN MEXICO



Mexicans do love excitement. Unfortunately the free and independent citizenry of the United States of Mexico have grown rather accustomed to revolutions, especially revolutions in which they are unable to take part. Therefore, while Emiliano Zapata, bandita, revolutionist and patriot, issues statements to the effect that he will raise Mexico City, shoot President Huerta and do other terrible things to his ministers, the populace of Mexico City must have

excitement. The answer is the bull fight. While battles rage miles away, while the fate of the administration and perhaps the republic hangs in the balance, citizens of Mexico City by the thousands flock to the bull fight and cheer madly for the matador and picador. A famous Mexican matador becomes more popular with the people at large than ever a successful bandit masquerading in the guise of a popular deliverer.

DAILY WEATHER REPORT.

U. S. Weather Bureau, local office, Roseburg, Oregon, 24 hours ending 5 a. m., January 26, 1914.
Precipitation in inches and hundredths:
Highest temperature yesterday 49
Lowest temperature last night 42
Precipitation last 24 hours . . . 1.14
Total precip. since first of month 6.42
Normal precip. for this month 5.76
Total precip. from Sep. 1, 1913, to date 16.87
Average precip. from September 1, 1877 18.10
Total deficiency from Sep. 1, 1913 14.17
Average precipitation for 36 wet seasons, (Sep. to May inclusive) 33.08
WILLIAM BELL,
Observer.

NOTICE TO DEBTORS.

Having sold my stock of groceries to Rudolph Harness, all accounts owing to the Economy Grocery, to and including January 15th, 1914, are due and payable to me, on or before February 1st, 1914, at Economy Grocery.
Dated at Roseburg, Oregon, Jan. 13th, 1914.
M. H. LARSON.

NOTICE TO STOCKHOLDERS.

Notice is hereby given that the annual meeting of the stockholders of the Roseburg Park & Fair Association will be held in the Commercial Club room, at Roseburg, Oregon, on Saturday, the 7th day of February, 1914, at 7:30 P. M. of said date for the purpose of electing a Board of seven Directors and transacting any other business that may properly come before said meeting.
Dated this 26th day of January, 1914.
GEORGE NEUNKER, Jr.,
Secretary Roseburg Park and Fair Association.

FOR RENT—1 room partly furnished. Rates to suit high school students. Inquire 117 Broadway street. 78-47

WANTED TO RENT—Store or more with good 5000 sq. ft. also barn. Price \$1000.00. Must be fairly close to city. Property and name in letter, to "A" 121 S. 7th St. City. 77-1514

FOR SALE—A bargain. Good sacrifice, 60 sq. ft. of timber, 1000 feet of lumber, fence, small quantity of good water for stock. Eleven miles from small R. R. town, three and four miles. \$2,750. High quality. 78-41

The first publication of this summons is on the 26th day of January, 1914, and the last will be on the 31st day of March, 1914.
B. W. MARSTERS,
Justice of the Peace.
BUCHANAN & PORTER,
Attorneys for Plaintiff.

SUMMONS FOR PUBLICATION IN FORECLOSURE OF TAX LIEN.

In the Circuit Court of the State of Oregon for the County of Douglas, Lexington Realty Company, a corporation, Plaintiff,

vs.
Morris Hill, and all persons unknown, if any, having or claiming to have an interest in real property hereinafter described, Defendants.
To Morris Hill, the above named defendant:

IN THE NAME OF THE STATE OF OREGON: You are hereby notified that the Lexington Realty Company, the holder of Certificate of Delinquency numbered 904 issued on the first day of May, 1913, by the Tax Collector of the County of Douglas, State of Oregon, for the amount of Twenty-three and 87-100 (\$23.87) Dollars, the same being the amount then due and delinquent for taxes for the year 1909, together with penalty, interest and costs thereon upon the real property assessed to you, of which you are the owner as appears of record, situated in said County and State, and particularly bounded and described as follows, to-wit: The West Half (W 1/2) of the East Half (E 1/2) of Section Twenty-six (26), Township Twenty-eight (28), Range Eight (8), West of W. Meridian, the same lying and being in Douglas County, Oregon.

You are further notified that said Lexington Realty Company has paid taxes on said premises for prior or subsequent years with the rate of interest on said amounts as follows:

Year's tax, 1910; date paid, May 1, 1913; Tax Receipt number, 14531; Amount, \$33.04; Rate of interest, 15 per cent.

Year's Tax 1911; date paid, May 1, 1913; Tax Receipt number, 16893; Amount, \$49.22; Rate of interest, 15 per cent.

Year's Tax, 1912; date paid, May 1, 1913; Tax Receipt number, 15779; Amount \$44.95; Rate of interest, 15 per cent.

Said Morris Hill, as the owner of the legal title of the above described property as the same appears of record, and each of the other persons above named are hereby further notified that the Lexington Realty Company will apply to the Circuit Court of the County and State aforesaid for a decree foreclosing the lien against the property above described, and you are hereby summoned to appear within sixty days after the first publication of the summons exclusive of the day of said first publication, and defend this action or pay the amount due as above

shown together with costs and accrued interest and in case of your failure to do so, a decree will be rendered foreclosing the lien of said taxes and costs against the land and premises above named.

This summons is published by order of the Honorable J. W. Hamilton, Judge of the Circuit Court of the State of Oregon, for the County of Douglas, and said order was made and dated this 24th day of January, 1914, the date of the first publication of this summons is the 26th day of January, 1914.

All process and papers in this proceeding may be served upon the undersigned residing within the State of Oregon, at the address hereafter mentioned.

GEO. M. BROWN,
District Attorney, Attorney for the Plaintiff.
Address, Roseburg, Oregon.

SUMMONS FOR PUBLICATION IN FORECLOSURE OF TAX LIEN.

In the Circuit Court of the State of Oregon for the County of Douglas, Samuel MacClintock, Plaintiff,

vs.
William Stevenson, William Stevenson, and B. Gidner, and all other persons unknown, if any, having or claiming to have an interest in or to the real property hereinafter described, Defendants.

IN THE NAME OF THE STATE OF OREGON: You are hereby notified that Samuel MacClintock the holder of Certificate of Delinquency numbered 912 issued on the 1st day of May, 1913, by the Tax Collector of the County of Douglas, State of Oregon, for the amount of Seven and 64-100 (\$7.64) Dollars, the same being the amount then due and delinquent for taxes for the year 1909 together with penalty, interest and costs thereon upon the real property assessed to you, of which you are the owner as appears of record, situated in said County and State, and particularly bounded and described as follows, to-wit: The South Half (S 1/2) of the Northeast Quarter (NE 1/4) and the Northeast Quarter (NE 1/4) of the Southeast Quarter (SE 1/4) of Section Thirty-four (34),

Township Twenty-five (25), Range Two (2) West of the Willamette Meridian.

You are further notified that said Samuel MacClintock has paid taxes on said premises for prior or subsequent years with the rate of interest on said amounts as follows:

Year's tax, 1910; date paid, May 1, 1913; Tax Receipt number, 14544; Amount, \$7.89; Rate of interest, 15 per cent.

Year's tax, 1911; date paid, May 1, 1913; Tax Receipt number, 16879; Amount, \$2.00; Rate of interest, 15 per cent.

Year's tax, 1912; date paid, May 1, 1913; Tax Receipt number, 15725; Amount \$8.45; Rate of interest, 15 per cent.

Said William Stevenson, as the owner of the legal title of the above described property as the same appears of record, and each of the other persons above named are hereby further notified that Samuel MacClintock will apply to the Circuit Court of the County and State aforesaid for a decree foreclosing the lien against the property above described, and mentioned in said certificate, and you are hereby summoned to appear within sixty days after the first publication of this summons exclusive of the day of said first publication, and defend this action or pay the amount due as above

GEO. M. BROWN,
District Attorney, Attorney for the Plaintiff.
Address, Roseburg, Oregon.

"THE CHASM"

A FORCEFUL MODERN DAY NOVEL

Between Marion Moulton, an American heiress of commanding beauty, and her ardent socialist lover lies the social chasm. On her own side of the gulf she is adored by a talented Russian nobleman. Her love story merges into the greater theme of the warfare between the hostile ideals of human progress which the two men represent. It begins in a small Illinois town and ends in Russia in the midst of conspiracies and counter-conspiracies on the larger scale of world-history. It begins with the little differences and limitations of ordinary life and ends with the fierce flame of passion which burns the false from the true.

Price \$1.25. For sale by
THE SOCIALIST CIGAR STORE
CASS STREET

ANTLERS THEATRE

Program For January 27

NEW ELKS BUILDING -- O. D. BLOOM, Manager

"THE BOOMERANG" | "WHEN CHILDHOOD WINS"

A sensational melodrama in 2 parts | A great Pathe Play

WANTED - A BURGLAR

Featuring Dan Mason in a Howling Comedy. Matinee 2 p. m.; Evening 7 p. m.
Adults 10 cents, Children 5 cents

Coming --- Jan. 28, 29, 30 "Nashville Students" In Tabloid Minstrel Program

POPULAR PRICES 10c, 20c, and 30c | TWO SHOWS 7:00 and 9:00 P. M.

SMOK !! - SMOKE !!

"Tampa Vana" and "La Sublima" : : 2 for 25c
"Umpqua Chief" and "Summer Girl" : : : 5c

BOWDEN

ROSEBURG