

LIME CARBONATE GOOD FOR BOTH MAN AND CATTLE

BY W. W. WATSON

An article on the value of lime carbonate, published in this paper on Thursday, has elicited a number of questions as to how to use it on various soils, as to quantity per acre, and when to apply it.

The quantity of ground limestone to use per acre must be determined by the nature and condition of the soil. If your land is comparatively level and of a clay formation, containing considerable vegetable matter in the form of humus or otherwise, it is likely to contain much acid. If bottom land, it will require a ton and a half to two tons per acre. If upland, it will require a ton to one and a half tons per acre. If the latter be of a shot-clay formation, with rolling or undulating surface, it should have at least a ton to the acre.

A simple test of the acidity of the soil may be made with litmus paper. Take soil from various parts of the tract it is desired to test, moisten it if too dry, thoroughly mix it together, take a small portion of it and bury the paper in it for fifteen or twenty minutes. Remove the paper and let it dry. If the soil be acid, it will turn the paper pink or red. The soil used in such a test should be taken at a depth of six or eight inches.

Limestone Sweetens the Soil
Limestone flour applied to the soil supplies all the necessary lime to the various plants. It sweetens the soil and unlocks the silicates, liberating potash and other valuable materials just as efficiently as burnt or caustic lime does, without producing any injurious effects on the humus or nitrogenous matter of the soil, like burnt lime is sure to do.

The efficacy and added value of ground limestone as a fertilizer and amellorator of the soil depends on how fine the stone is ground. It ought to be ground into a flour that will pass through a 100-mesh sieve—which means ten thousand perforations to each square inch of the sieve. In nature, limestone soil is made from the oxidation of limestone by the action of the solvent power of water in connection with gases of the air and the acid of the dirt. This process is slow on account of the limited surface of the stone exposed to such agencies. Hence, the finer the stone is ground the greater will be the surface subjected to the process, and the greater, also, will be the supply of plant food and the ventilation of the soil.

When limestone flour is once incorporated with the soil, it is not subject to waste like burnt or caustic lime. Slaked lime will quickly seek water because it has become calcium oxide, the carbonic acid having been burned out of it. Ground limestone has its calcium wants supplied, nature having given it the proper balance as plant food.

For Dairymen and Stockmen
A limestone country is always a good stock country, stock grazing on the growth of such a soil being always healthful and in good condition. This fact suggests to dairymen and stockmen generally that an application of from one to two tons per acre of ground limestone on their pastures and meadow lands would prove to be a very profitable investment. It will improve the milk product. On land containing a sufficient content of lime, the milk product will contain six grains of lime to each pint of milk. The benefit of such supply of lime to the human system and to growing stock and poultry is self-evident.

Lime is the natural and preferred base in the use of all fertilizers. Without the presence of lime in the soil, the application of most fertilizers will prove deficient in giving the results desired. Without the presence of lime in the soil no useful and valuable vegetation can exist in profitable abundance.

Fresh water must limestone dissolved and precipitated by processes of nature is a promising source of lime carbonate. When dry, it is sure to be a fine powder. A little potash and phosphoric acid added to this makes improved woodashes of greater agricultural value than the ash from burned hardwood. Marks of various degrees of purity are found in many sections of the country. Some of these beds are worked commercially. Within 25 miles of Medford is found an immense bed of what is believed to be a formation of this character. Samples of it are being analyzed now. Results will be reported later. It is known that this formation contains iron and sulphur, two elements that will enhance its value as a fertilizer.

"No trespass" signs for sale at Mail Tribune office.

News From Our Neighbors

ASHLAND AND VICINITY

The old reliable Eleven o'Clock Dancing club has begun a series of winter parties. The initial one was given at Moose hall last Friday night. The ladies provided the refreshments, which were served from box buffets, while the gents raised enough coin to pay the fiddler. Music was by the Lyric orchestra. F. D. Wagner is president of the club as reorganized; W. E. Newcombe, vice-president, and H. L. Whited, treasurer. Over twenty couples were present. The only discordant note at an otherwise ideal social event was the thieving act of some contemptible pup who stole into the kitchen annex and made a getaway with a portion of the refreshment stores.

Ladies held a busy gathering at Masonic hall Saturday afternoon, making candy sacks and other ornaments for the Elks Christmas tree on the eve of December 24.

Mayor E. E. Morrison of Springfield was an Ashland visitor last week, called here on business matters. He reports the Ashland colony in his adopted town as flourishing.

The Canyon Press suspended publication with the issue of December 18. The publisher found that engineering a municipal election campaign in addition to mechanical details in the office was too much of a mental and physical strain, not to mention financial complications.

Auditor of Disbursements McCaffrey and General Storekeeper Cook, S. P. officials of San Francisco, were here Saturday in the private car Sierra Nevada.

The remains of Mrs. Carrie L. Cowles, who died in Portland, December 16, were brought here Saturday and buried in the family plot in Ashland cemetery. Rev. H. A. Carnahan conducted the services at the grave. The deceased was over 81 years of age and the mother of Mrs. Flo Bethune of Portland. Mr. Bethune accompanied the body to Ashland. The Cowles family were well-known former residents here and came to Oregon from Jasper county, Iowa. They lived on Main street and cultivated quite an orchard tract. The father and a daughter are also buried in Ashland cemetery.

Evergreens for holiday decoration are everywhere in evidence, and many have done a thriving business in bringing them to town, not only supplying local demands, but also for export.

The Royal cafe has changed hands and reports are to the effect that the Park hotel has closed indefinitely.

The statue of Abraham Lincoln, purchased at the exposition from the Italian department, and which G. S. Butler will donate to Lithia park as a memorial to his stepfather, Jacob Thompson, is due to reach here next February. In the meantime the foundations for this work of art as well as the large memorial fountain are being laid.

The late Dr. A. E. Fisher, who some time ago left here for parts unknown, was also a bird fancier as well as cult healer. At one time he had over 100 canaries as a side line. A score of these he left behind which are now being cared for by the new occupants of his former property on Oak street.

Owing to the railroad collision here earlier in the season, Ashland stood third this year in localities as to number of accidents reported to the state commission. Portland led and the manufacturing center of Oregon City was second. By way of Oregon's comparison with California, industrial workers in the Golden state the past year lost 600 fingers, 172 eyes are missing, 28 arms and 48 legs were amputated, and 51 workmen were disabled to the extent of being granted life pensions. The amount paid for the year as compensation was over \$600,000.

There are already eight applicants for the position of receiver of the United States land office at Lakeview to succeed the present incumbent, F. P. Cronmiller, republican, whose term expires January 26, 1916. The following are the elective officers of Siskiyou Chapter, No. 21, R. A. M., recently chosen: W. Earl Blake, high priest; Stuart Samplers, king; P. K. Hammond, scribe; E. B. Shaw, captain of the host; C. H. Vaupey, treasurer; W. H. Day, secretary; T. K. Bolton, principal journeyman. Installation followed the election. The membership is 150.

George W. and Charles L. Wimer have traded their property on Beach street and Mountain avenue for residence property in Myrtle Creek and a 200-acre ranch eight miles from that town, to which they will move and occupy next February.

Under the new arrangement the city is to pay the California-Oregon Power company two and three-tenths mills per kilowatt hour for current for heating purposes specifically.

Southern Pacific officials, including Chief Engineer Barlow and party, occupying the private car Pacific and

JACKSONVILLE ITEMS

Miss Corinne Linn was a Medford shopper Wednesday afternoon.

Miss Marion Bowen returned from Eugene Friday after a month's visit with friends living in Eugene and vicinity.

Miss O. C. King of Medford spent a few hours in Jacksonville Saturday. The bazaar given by the ladies of the Presbyterian church last Saturday proved quite a success financially, receipts amounting to \$35.

Teachers' examination is being held this week at the courthouse, the list of applicants being very small.

Mrs. Harry Luv, Mrs. Ella Cook and Miss Alice Ulrich spent Thursday in Medford.

A number of Jacksonville people attended the Christian Science lecture in Medford Thursday evening.

Miss Leita Prim left for Tucson, Ariz., last Saturday where she will remain during the winter.

The Mahoney confectionery has been reopened, Robert Finney and Roy Ulrich being the new proprietors.

A. B. Cornell, the insurance agent of Grants Pass, was in town Friday distributing calendars representing his firm.

John Renault, Sr., left for Montana recently, where he will visit relatives.

Mrs. Arthur Thompson was called to Eugene one day last week by the death of her mother, Mrs. M. Smith.

ALONG ROGUE RIVER

Mr. and Mrs. W. P. Morgan were called to Central Point by the serious illness of her brother, Alex Belcher.

The high school in the Central district is progressing nicely under the management of Miss Marial Coffeen.

Mrs. George Weeks took some nice turkeys to Eagle Point Friday.

Mr. and Mrs. Jack Houston were guests of the Kregor home Wednesday.

A party of twenty-two gathered at the home of Mr. and Mrs. Tom Rainey last Saturday night and gave them an old-fashioned surprise party. Games of various kinds were indulged in and everyone enjoyed themselves hugely. Refreshments of cake, apples and coffee were served.

Tube Rainey was in Central Point Thursday after his winter supplies.

Lloyd French was smiling on his friends and relatives on the west side of the river a few days ago.

Mrs. Tom Rainey and Miss Ora were shopping and visiting in Central Point this week.

Dr. Kirehgesner was an Eagle Point visitor Friday.

Mr. and Mrs. John Fry were Medford visitors the first of the week.

Mrs. Skyrman was in Central Point the last of the week. Harry and Clara returned home with her to spend the holiday vacation.

There will be a Christmas tree and entertainment at the Reece creek schoolhouse Christmas eve.

Among those on the sick list this week are Mildred Bellows and Joe Hannah.

J. Hannah has bought a bunch of goats from the Britton Bros.

Canadian Northern officials occupying the Dauphin, were here last Friday, southbound. Incident to the stop, their cars were loaded with

For 90c You Can Get the Ideal Gift for Every Man

A crystal glass humidor jar containing one pound of Tuxedo, the mildest, most fragrant tobacco. At every store where tobacco products are sold.

Last Christmas more Jars of Tuxedo were given to men throughout the United States than any other single trade-marked article! Because Americans are learning to make suitable gifts at Christmas time—and learning that Tuxedo is the best gift of all for a man.

Tuxedo is the mildest, pleasantest pipe tobacco in the world—made absolutely non-biting and delightfully mellow by the original "Tuxedo Process" that has never been successfully imitated.

This Tuxedo Christmas Humidor Jar is beautifully decorated with holly, ribbon and Christmas card, and packed in a handsome carton, for sending by mail or messenger; price complete **90c**

Last Christmas the demand for Tuxedo humidor jars was so great that the supply of many dealers was exhausted, and thousands of people were disappointed. The safe plan is to place your order with your dealer now. He will be glad to set your jar aside for you until Christmas.

THE AMERICAN TOBACCO COMPANY
111 Fifth Avenue, New York

TUXEDO IS SOLD IN MANY CONVENIENT SIZES:
In Glass Humidors, 50c and 90c
In Tin Humidors, 40c and 80c
In Curred Pocket Tin, 10c
In Moisture-Proof Pouch, 5c

Union Feed and Livery Stable

FULL EQUIPPED LIVERY STABLE
AMBULANCE SERVICE
112 South Riverside
Phone 150
Gaunyaw & Bostwick
Proprietors

FURS

Ladies' Furs
Misses' Furs
Children's Furs

FIRST-CLASS FURS
at Reasonable Prices
Nothing Nicer for Christmas presents

F. W. Bartlett
418 East Main St.

SAN FRANCISCO HOTEL KENSINGTON

"An hotel of refinement."
Conveniently located within theatre and shopping districts. 100 sunny outside rooms with bath. Beautifully furnished. On direct car line to the EXPOSITION—TEN MINUTES' RIDE. Seven-story steel and concrete building.

RATES: \$1 to \$2.50 a day
From Ferry or Depots take "UNIVERSAL BUS" at our expense, or any trolley street car passes the door. Write for Booklet.

WESTON'S Camera Shop

208 East Main Street, Medford

The Only Exclusive Commercial Photographers in Southern Oregon

Negatives Made any time or place by appointment.
Phone 147-J
We'll do the rest
E. D. WESTON, Prop.

INSIST ON HOME PRODUCTS

THESE GOODS ARE MADE IN THE ROGUE RIVER VALLEY—KEEP THE MONEY AT HOME

WINTER NECESSITIES

Medford Roller Mills
H. A. Nordwick, Prop. Phone 507

Don't Forget to Include in Your Purchases

Rogue Spray Flour

The kind that never varies in high standard quality—the flour you can buy in large quantities and know that the last used will be as good as the first.

For all your baking, use **ROGUE SPRAY**

USE THE PRODUCTS OF

Rogue River Valley Cannery

The Best Made Help Home Industry.

Try Loganberry Juice and Sherbets at the fountains and ice cream parlors.

Medford Iron Works

E. G. Trowbridge, Prop.

General Foundry and Machine Works

Phone 401; Res. Phone 5031

Patronize the institution that maintains the Largest Payroll in Medford.

The Medford Printing Co.

The Best Equipped Job Plant in Oregon outside of Portland.

IT'S FRET WORK

we'll admit, and the most unique and original kind. That's no reason for us to fret over the work in making it. We do so much of it, it's a shame to tell you how easy it is to us. It's another shame we don't ask twice as much for it, too.

MEDFORD SASH & DOOR CO.

For **GALVANIZED TANKS**

OIL AND WATER and IRRIGATING PIPE

Go to **J. A. SMITH**
128 N. Grape St. Telephone 890

Ask Your Grocer and Butcher

FOR **ROGUE RIVER'S HAMS AND BACON**

They Are Home Grown

They're the Best Ever

ACORN BRAND
CENTRAL POINT PACKING CO.