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STAPLING MACHINES

THE SENTINEL

BUSINESS DIRECTORY

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Dentist
Office Fifth and Main Streets
Hours: 8:30 to 12 and 1 to 5:30
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DR. C. H. KIME
Dentist
Office in First National
Bank Building
Phone 10 Cottage Grove, Ore.

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Physician and Surgeon
First National Bank Building
Phone 10 Cottage Grove, Ore.
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Over Kem's Drug Store
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ATTORNEYS
HERBERT W. LOMBARD
Attorney at Law
First National Bank Building
Phone 94 Cottage Grove, Ore.
H. J. SHINN
Attorney at Law—Notary Public
Practices in All Courts
Bader Building
Cottage Grove, Oregon
ALTA KING
Lawyer
Lawson Building
Phone 90 Cottage Grove, Ore.

State Farm Mutual Automobile Insurance Company

of Bloomington, in the state of Illinois, on the 31st day of December, 1933, made to the insurance commissioner of the state of Oregon, pursuant to law:

Capital.
Amount of capital stock paid up Mutual Income.
Net premiums received during the year \$6,113,465.75
Interest, dividends and other income received during the year 243,841.55
Income from other sources received during the year 73,824.20
Total income \$6,431,131.50
Disbursements.
Net losses paid during the year, including adjustment expenses \$2,768,912.07
Commissions and salaries paid during the year 968,126.52
Taxes, licenses and fees paid during the year 139,556.40
Amt. of all other expenditures 2,565,486.53
Total expenditures \$6,443,141.51

Assets.
Value of real estate owned (market value) \$422,712.12
Value of stock owned (market value) 3,303,711.03
Loans on mortgages and other collateral, etc. 553,200.00
Cash in banks and other depositories 338,128.83
Premiums in course of collection 11,552.59
Interest and rents due and accrued 139,043.05
Total admitted assets \$7,876,385.57

Liabilities.
Gross claims for losses unpaid \$1,873,347.69
Amount of unearned premiums on all outstanding policies 2,594,972.53
Due for commission and brokerage 65,295.50
All other liabilities 1,762,696.12
Total liabilities, exc. capital \$6,296,711.84
Surplus over all liabilities \$1,579,673.73
Surplus as regards policyholders 1,579,673.73
Total \$7,876,385.57

Business in Oregon for the Year.
Net premiums received during the year \$1,527.38
Losses paid during the year \$1,527.38
Losses incurred during the year \$2,128.97

STATE FARM MUTUAL AUTOMOBILE INSURANCE CO.
G. J. MECHERLE, Pres.
GEORGE E. FRENDEL, Sec.

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Your Patronage Appreciated.
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WARD'S—on North 9th Street

Bread, Cakes, Pies, Rolls, Donuts and Other Bakery Goods

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We now have Complete Service for Gas Gauges, Liquid and Electric, exclusively.
Nelson Motor Company

Eagle Cigar Store
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Hill & King, Props.

DUCCO PAINTING
Brewer Mills

Block, Planer and Slab. Also Sawdust. Special Price on Winter Supply
TOM ALLEN Phone 47

FOR SALE—Stoves and furniture. We pay cash for used stoves and furniture. See us before you sell or buy.
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For Your Shave, Haircut or Shampoo
The Imperial Barber Shop

WE SPEND OUR MONEY HERE.
Have your Eugene freight and express moved by
COTTAGE GROVE-EUGENE FREIGHT & TRANSFER

'Starving' Chinch Bugs Checks Loss

Legume Crop Diet Good Plan to Minimize the Threatened Raid.

By W. P. Flint, Entomologist, College of Agriculture, University of Illinois.

What threatens to be one of the most destructive invasion of chinch bugs can be headed off and widespread damage prevented or at least minimized if farmers will starve the bugs by limiting them to a "diet" of legume crops.

Unless the weather during May and June is wetter than usual, so as to drown out the bugs, they threaten to cause more damage than they have caused in any year during the past 50.

Farmers that are known to be in the heavily infested chinch bug area are being warned to include all the legumes possible in the field crops they grow during the coming season. This is one of the most effective and at the same time one of the least expensive methods that farmers can use in fighting the bugs.

If chinch bugs could be confined only to legumes during the coming season, they would not live any longer than a meat-eating animal would live on this same diet. Chinch bugs will not feed on any of the legumes, including alfalfa, soy beans, peas, field peas, red clover, sweet clover, vetch or lespedeza. Neither will they feed on such other common field crops as rape, buckwheat, flax, sunflowers or stock beans.

The crops that are "meat" for chinch bugs and the only ones on which they feed are the grasses, and these grasses must be green with the sap flowing in them, as the chinch bug is a sucking insect and takes its food not by biting off and chewing up a bit of the leaf surface, but by inserting its beak in the grass plants and sucking out the sap. They feed on all the small grains, including barley, spring wheat, winter wheat, oats, rye, emmer and spelt. They will also feed on sorghum, broom corn, field corn, sweet corn, sudan grass and millet.

Urge Sanitary Measures for Control of Garget

No one can estimate the economic loss caused by mastitis, commonly known as garget, says Prof. D. H. Tiddell and S. D. Johnson of the New York State Veterinary college. In some dairy cattle herds the loss is slight, they say, and in others it is severe.

Each herd, however, pays an unnecessary toll, and the total loss is enormous. Because of the hidden nature of the disease it may often go unnoticed.

When an owner says that a certain cow made a high record but was "burned out" by high feeding and never produced well again, the usual cause is mastitis. The disease is marked by repeated attacks that tend to appear when the cow is drying off, or shortly after she freshens, or when she is fed on a high protein diet, or when exposed to unsanitary milk. If the disease is active the milk may become watery or contain flakes.

The best evidence shows that infection occurs during milking, and extra precaution at milking is urged. Garget spreads less readily in herds milked by hand than in herds milked by a machine.

Home Lard Production

When lard is rendered at home, it should be graded and as much neutral lard as possible produced, says Miss Flora Carl of the Missouri College of Agriculture. Neutral lard is the lard rendered from internal fats at such low temperatures that it is almost, if not entirely, free of taste and odor. Neutral lard is of high quality but it is seldom that it can be purchased for cooking purposes, since most of it goes into the manufacture of oleomargarine. More lard can be extracted at a lower temperature if the fat is run through the sausage mill instead of chopping before rendering. The fat from the rinds is more difficult to extract and gives a softer and a cheaper grade of lard. The rinds can be rendered by roasting in the oven.

Codling Moth Control

Orchardists are advised by the Department of Agriculture to give their orchards and premises a general clean-up for the purpose of reducing the codling moth. They are advised also to scrape loose bark from the trunks and larger branches of trees, thus crushing many of the worms in their cocoons. The worms that produce the moth are under loose flakes of bark, in crevices in the trunk in dried stems of larger weeds and in partly decayed wood.

\$25,000,000 for Indians
In 1932 the federal government appropriated more than \$25,000,000, including some expenditures in Alaska for citizens of Indian blood.

Mojave Desert Rainfall
The annual rainfall in the Mojave desert is between 3 and 4 inches; the midday temperature in summer ranges from 70 to 125 degrees.

Code for Signal SOS
The code for the signal SOS is three dots, three dashes and three dots.

Scorpion and Lobster Claws
The feelers of a scorpion closely resemble the claws of a lobster.

Get the girl—then your Home Print Shop for the wedding stationery.

Rattlesnake Gets Larger by Discarding Old Skin

Limestone, When Added to Manure, Found to Greatly Boost Yield.

By G. J. Badger, College of Agriculture, University of Illinois—WNU Service.

"Believe it or not," say beans which are often spoken of as an acid tolerant crop will produce from two to five times as much hay to the acre, when given the benefit of limestone on some of the light-colored soils.

Evidence showing the value of an application of the "soil sweetener" is revealed in the results of four years of tests at two soil experiment fields of rather low productive levels maintained by the state university.

At one field, where the soil is a light gray silt loam, the use of manure gave a yield of 340 pounds of soy bean hay to the acre, but when limestone was applied in addition to manure, the yield of bean hay was 1,700 pounds an acre. The field that received no treatment returned about the same as where manure had been spread. The increase resulting from limestone, when it was applied in addition to manure, amounted to 1,360 pounds, or more than a half ton to the acre.

Another experiment field consisting of a yellow-gray silt loam gave somewhat better yields. Soil with no treatment returned 1,940 pounds of soy bean hay to the acre; the manure treatment improved the yield to an average of 1,420 pounds, and applications of both manure and limestone jumped the harvest to 2,980 pounds, or practically a ton and a half of hay to the acre.

The response to manure over no treatment amounted to 380 pounds, while the response to manure and limestone over manure alone was 1,500 pounds an acre. However, manure and limestone gave returns of 1,940, or nearly a ton to the acre, over the plot which did not receive any treatment.

Stone God Marks Site of Indian Church in Mexico

A perverse stone god that hides when men tamper with him is the feature of an ancient Indian city on Yerba Santa mountain, a site six miles east of Ometepe, Mexico, not heretofore brought to the attention of archeologists, says Science Service.

The Indians of the vicinity paid little attention to the big carved god, standing buried to his waist in the central plaza of the buried city, until archeological treasure was found in Monte Alban, Oaxaca. Then, in hope of finding money under the stone figure, the Indians tied ropes to it and tried to haul it away.

The idol bucked and kicked and burst the ropes, but could not be moved. The Indians dug down to a floor of stone slabs. The ground seemed to soften and the idol sank almost out of sight. The Indians concluded thereupon that the idol did not wish to leave the spot.

The eyes of the figure are almond and Mongolian, the nose triangular and the mouth has a divided tongue hanging out. A square headress sits on the brow. It recalls some of the giant human carvings of the Mixtec Indian region of Oaxaca. Amargo-speaking Indians inhabit the region of Yerba Santa.

The Yerba Santa site has many terraces and small pyramids placed about plazas, typical of ancient Mexican cities of apparently Toltec influence. The plaza of the sunken idol is called "the church" by the Amargo Indians.

Plumpness in Oats

How much hull there is in a sample of oats cannot be judged by the plumpness of the kernels. This was shown by tests made by the Minnesota agricultural experiment station, which in 1930, '31 and '32, tested several recommended varieties of oats to determine hull percentages. There was very close agreement between results from tests at University farm and at Crookston, the average of all tests showing the following hull percentages: Rainbow, 25.1 per cent; Minrus, 26.1; Gopher, 26.6; Logold, 27, and Anthony, 30.2. The studies were made because of common opinion among farmers that varieties with plump-appearing grains, such as Anthony and Gopher, have less hull than those like Minrus and Logold with grains of thinner appearance.

Agricultural Hints

Crop roots cannot penetrate deeply into a soil logged with water.

New York state plans to provide 35,000,000 trees for planting on waste lands this year.

The white runner duck, a native of Malaya, has a breed history which dates back more than two thousand years.

Farmers in the north of England are turning from plowing to dairying, and farms of from 50 to 75 acres are in demand.

Owing to the inelasticity of demand, small crops of potatoes consistently yield larger incomes to farmers than large crops.

Production credit associations to make short-term loans to farmers have been organized for more than half of the entire country.

Early oats have proved quite definitely superior to wheat as a companion, or "nurse," crop for alfalfa.

Oil Needed to Make Electricity
The electric light and power industry in the United States normally uses 7,700,000 barrels of oil annually.

Was a Good Talker
There is probably no writer in modern times who has revealed himself to mankind with more loquacity than Voltaire.

Gran Chaco Region
The northern part of the Gran Chaco region in South America is a vast plain filled with myriad lagoons.

Duplicating Supplies, Sentinel.
If you know a news item, phone The Sentinel.

Soy Bean Responds to Soil Sweetener

Limestone, When Added to Manure, Found to Greatly Boost Yield.

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Crested Wheatgrass Gets Good Start, Lasts Longer

One reason why forage specialists of the United States Department of Agriculture are enthusiastic over the merits of crested wheatgrass for planting the drier lands taken out of wheat production this year is the fact that this grass is able to grow at lower temperature than most grasses. Because of this, crested wheatgrass gets an early start in the spring and is one of the last grasses to become dormant in the fall.

A stockman who has a pasture of crested wheatgrass is fairly sure to have good grazing for stock for a week or ten days earlier than he otherwise would, and he may be able to stretch the grazing season again in the fall. The advantages of deferred grazing to allow pastures and ranges to recuperate after intensive use are becoming better known. Crested wheatgrass adds a new advantage of a longer season of keeping cattle on grass. Crested wheatgrass is also distinctively drought resistant and will endure extreme cold.

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If you know a news item, phone The Sentinel.



Picture Shop
GERTRUDE COCHRAN.
The engraved Elgin wrist watch with matching link bracelet was selected by Miss Gertrude Cochran of Cottage Grove as her trophy of The Sentinel's subscription campaign.



Picture Shop
PHYLLIS MONSON.
There was no hesitation when Miss Phyllis Monson of Cottage Grove came to make her selection of a prize in The Sentinel's subscription contest. She took the brilliant blue-green Ziron set in a 14-karat white gold mounting.



Picture Shop
LILLIAN YOUNG.
The lovely square cut Alexandrite set in white gold with a dainty chain and pendant set was Miss Young's choice of prizes in The Sentinel's subscription contest.



Picture Shop
RUTH WARD.
A ring and pendant set with a beautifully cut amethyst doublet was Miss Ruth Ward's selection from among the prizes offered in The Sentinel's subscription contest.



Picture Shop
MYRTLE EWING.
An earring and ring set of brilliant pink tourmaline doublet set in a modern mounting of sterling silver is what Miss Myrtle Ewing of Cottage Grove chose to have as her souvenir of The Sentinel's subscription contest.

NOTICE OF SALE.

Notice is hereby given that by virtue of the last will and testament of Nancy Porter, deceased, the undersigned executor will, on and after the 10th day of June, 1934, sell at private sale the following described real property belonging to said estate, to-wit: Lot three (3) in block eight (8) of Long and Landess Addition to Cottage Grove, Lane County, Oregon.

Bids will be received and sale will take place at the law office of Herbert W. Lombard, First National Bank Building, Cottage Grove, Lane County, Oregon.

Date of first publication May 17, 1934.
Date of last publication June 14, 1934.

WILLIAM ERNEST LEBOW,
Executor Last Will and Testament Nancy Porter, Deceased.

HERBERT W. LOMBARD,
Attorney for Executor, ml7-j14

NOTICE OF FINAL SETTLEMENT.

Notice is hereby given that Nora Boots, executrix of the estate of Emma Axlev, deceased, has filed in the County Court of the State of Oregon, in and for Lane County, her final report as such executrix and a petition for the final settlement of the said estate and that Tuesday, the 29th day of May, A. D. 1934, at the hour of 10 o'clock a. m. of said day at the county court room in Eugene, Lane County, Oregon, has been by said Court appointed and fixed as the time and place for hearing objections to said report and final settlement of the estate of the said deceased. Dated this, the 26th day of April, 1934.

NORA BOOTS,
Executrix of the estate of Emma Axlev, deceased.

H. J. SHINN,
Attorney for estate. a26m24

NOTICE OF REDEMPTION OF BONDS.

Notice is hereby given that on June 1, 1934, Bancroft Bonds No. 57 to 64, both numbers inclusive, issue "L" City of Cottage Grove Improvement Bonds, \$500 each, will be redeemed by the City of Cottage Grove at the office of the City Treasurer, First National Bank, Cottage Grove, Oregon.

All of said bonds aforesaid will be taken up, redeemed and cancelled at said date at par value and interest thereon shall cease on said last day of June, 1934.

Dated and first published this 10th day of May, 1934.
Date of last publication May 31, 1934.
HERBERT EAKIN,
City Treasurer.

Typewriters, The Sentinel.

NOTICE OF SALE.
Notice is hereby given that by virtue of an order of the County Court of Lane County, State of Oregon, duly made and entered of record in the matter of the estate of John Metcalf, deceased, the undersigned Administrator of said estate will, on and after the 28th day of May, 1934, sell at private sale the following described real property belonging to said estate, to-wit: Lot No. 8 in Block No. 2, Cox's

part of Florence, Lane County, State of Oregon.
Also the fractional part of Lot 6, Block 2 in Cox's part of Florence, Lane County, Oregon, the fractional part of Lot 6, Block 2, being an arm extending from main body of Lot 6 to street on West side and lying between and touching both Lots 4 and 5, it being 43 feet 6 inches in length east and west.
Also 43 feet 6 inches of West end of Lot No. 4, Block 2, Cox's part of Florence, Lane County, Oregon, said property to be free and clear

of all encumbrances.
Bids will be received and sale will take place in the law office of Herbert W. Lombard, First National Bank Building, Cottage Grove, Lane County, Oregon.
Terms of sale cash in hand or part cash and part credit.
Date of first publication April 28, 1934.
Date of last publication May 24, 1934.
HARRY K. METCALF,
Administrator with will annexed of estate of John Metcalf, deceased.
Herbert W. Lombard, Attorney for Administrator.

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two new 1934 models

To matchless mechanism, General Electric has now added distinguished style and brilliant beauty of design that will instantly win your admiration. We believe these new de luxe models are the most attractive refrigerators ever presented. Their gleaming white cabinets, graceful simplicity of line and modern styling will add a proud new note to your kitchen.

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A SIX COSTS LESS TO RUN

CHEVROLET

OVERHEAD VALVE SIX

is the most economical car in the world

Drive it only 5 miles and you'll never be satisfied with any other low-priced car

Engineering facts prove it. Experience in building nearly ten million cars confirms it. And the record of over 3,000,000 Chevrolet Six owners removes any shadow of doubt about it: The only way to get real economy in a low-priced car is to insist on **SIX** cylinders and **OVERHEAD** valves.

SIX cylinders—no more!—because extra cylinders mean extra cost for gas, oil, upkeep and parts. **OVERHEAD** valves—nothing else!—for the same good reason that airplanes use them. And racing cars. They get the **MOST** power out of the **LEAST** gas. That's why overhead valves are the choice of leaders—and champions.

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FULLY-ENCLOSED KNEE-ACTION WHEELS

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