

ITEMS OF INTEREST

FOR RENT—Six rooms for light housekeeping on second floor. Rent reasonable to the right party. Inquire of Glenn Loucks s21tf

FOR SALE—A house and four lots for less than cost on north side of Madras. The house is well built but not quite finished, the lots are 50x100. Must be sold at once. For information write Ora Van Tassel, Vanora, Ore. jy 20-tf

FARM LOANS!! Madras State Bank.

FOR SALE—At the Pioneer Office Legal Blanks of all kinds; Carbon and Typewriter paper, Installation Sale contracts, Notes and Receipts.

MONEY TO LOAN ON FARMS. See Madras State Bank.

WHILE fence posts are not our specialty, we have a special price on fence posts that we are sure will interest you. Madras Lumber Co. jy27

FOR RENT—160 acres on Little Agency Plains, 140 tillable, less than 1 mile from Madras, 3 from Metohus; 70 acres now under plow; good place for chicken or hog ranch, or potato growing. Address A. L. Carson, 102 Front St., Portland, Oregon. o12-tf

Having taken over the stock of the Madras Lumber Co.'s yard, we can give our customers the benefit of the hauling expense by quoting prices at the Madras yard. If you are in need of fence posts now is the time to buy before they are moved. Yours to serve, TUM-A-LUM LUMBER CO., Wm. Esselstyn, Local Mgr.

TUCKER & CULP desire to state to the public that they will grind plow shares at their old shop on Saturday of each week. Tucker & Culp. o19-n9

FOR SALE—One good young milk cow, part Jersey. Inquire at this office. o19-n9-pd

FOR SALE—Four fine young brood sows. Inquire of W. C. Young, Opal City, Oregon. 1t-pd

Just received a carload of nut coal. Get your winter coal at once. Phone or call at the Central Oregon Ice & Cold Storage Co.

NOTICE—To the person who removed those brick from the warehouse near the O. W. R. & N. depot last Saturday, he will please call and settle or be prosecuted. P. W. Ashley, agent Balfour-Guthrie Co.

Warren Smith
PROPRIETOR
Elite Tonsorial Parlors
NO LONG WAITS
BATHS
MADRAS, ORE.

Blue Print Township Plats
Corrected up to date, showing names of entrymen, vacant land, rivers and creeks, 50 cents each.

Land Scripts For Sale
For securing title to all kinds of Government land without residence or improvement, at lowest market prices. Write us for particulars. All kinds of Land office business a specialty. Twenty-five years experience. Reference, French & Co., Bankers.

Hudson Land Company
The Dalles, Oregon

FARM LANDS FOR SALE

Two sections of grain lands, partly improved, wells, springs and orchard on tracts. One section within one-half mile of Opal City; other section one mile further east. Terms reasonable. Address inquiries to

WALTER RUBLE
Redmond Oregon

LUMBER FOR SALE

Yes, we have lumber for sale, and for nearly all purposes. If you are thinking of doing any building it will pay you to see us, and we will quote you

—LOWEST POSSIBLE PRICES—

Come and see us; let us figure with you and show you some good things in lumber that will save you money. **Quality and Price**—We give the best of both. We are prepared to furnish everything found in a retail yard. Phone at your service.

Tum-A-Lum Lumber Company
WM. W. ESSELSTYN, Local Manager
Madras - - - Oregon

INTERESTING EGG

LAYING TESTS

Conducted at Oregon Agricultural College

WHITE LEGHORNS USED

Chickens Used in Experiment Suffer No Harm From Cold Weather and Retain Good Health

Interesting tests for egg laying have been conducted at the Oregon Agricultural College by John H. Mack, a special poultry student from Portland.

In these tests single-comb white leghorns were used, five pullets and a cockerel being given a run of but 10x10 feet, in which space was the house, so that they were in close confinement. The house was but a 6x3 1/2 foot brooder coop rearranged for their use. Half was used for roosting-quarters and half for a scratching shed.

This scratching shed was kept well bedded with straw about 8 inches deep, and a large part of the whole grain given the fowls was fed here, though some was fed in the yard to induce the fowls to scratch outside when the weather permitted. The front of the house consisted of two doors which were either wide open or partly so even in the coldest winter weather. No ill effects were noticed, and the egg record and general vitality of the flock showed that they were benefited by the more nearly natural conditions, although the cold sometimes seemed extreme for them.

As the soil was rather heavy, several inches of sawdust were spread on the ground, so that the chickens did not track in cold, wet mud, and had a good scratching place which dried rapidly after a rain.

A dry mash was fed them in hoppers, and whole grain, oats in the morning and wheat in the afternoon, strown in the litter. The fowls ate only about one-third as much oats as wheat, but as there were oats and barley in the mash, they probably made up deficiencies there. The mash, which was fed dry and kept constantly before them, consisted of two parts of bran to one of ground corn and one of ground oats and barley. Other hoppers to which they had access all the time held beef scrap, charcoal, grit and ground shell. A good supply of kale was kept before them to pick at, and good fresh water was always within easy reach.

They were all apparently in good health throughout the experiment, but on the last day the pullet numbered 2 was found dead in the pen without apparent cause, though she had been laying up to that day.

The following record of the amount and cost of the feed from November to May is interesting in the light of the production

records: 158 lbs. of wheat, \$2.22; 66 lbs. of oats, \$.88; 13 lbs. of bran, \$.15; 7 lbs. of ground oats and barley, \$.10; 9 lbs. of beef scrap, \$.32; 8 lbs. of charcoal, \$.04; 5 lbs. of grit, \$.05; 6 lbs. of shell, \$.06; 6 lbs. of ground corn, \$.09; total cost, \$3.92.

Pullet No. 1 weighed 3 lbs. 8 ozs. at the beginning of laying, and exactly the same at the end of the experiment six months later. She laid 113 eggs valued at \$2.35, averaging in weight about 2.01 ozs. each. Pullet No. 2 weighed 3 lbs. 4 ozs. in the beginning, but gained 3 ozs. She laid 112 eggs valued at \$2.75, averaging in weight 2.05 ozs. each. Pullet No. 3 weighed 3 lbs. 2 ozs and gained 12 ozs. She laid 101 eggs valued at \$2.39 and averaging 2.08 ozs. each in weight. Pullet No. 4 weighed 3 lbs. 12 ozs. in the beginning but lost 3 ozs. She laid 113 eggs valued at \$2.94 and averaging 2.15 ozs. Pullet No. 5 weighed 3 lbs. 2 ozs. at the beginning and but 2 lbs. 5 ozs. in May; her laying record was 99 eggs valued at \$2.23 and averaging 1.8 ozs.

Thus it is seen that the total expenditure for the five pullets and the cockerel was but \$3.92, while the income from the eggs was \$12.66, leaving a profit, if the work in caring for the chickens is not counted, of \$8.74.

Chamberlain's Stomach and Liver Tablets do not sicken or gripe, and may be taken with perfect safety by the most delicate woman or the youngest child. The old and feeble will also find them a most suitable remedy for aiding and strengthening their weakened digestion and for regulating the bowels. For sale by M. E. Snook.

FILL ELIMINATES GRADE.

Macadam Road From Cortland to Ithaca Nears Completion.

The above cut gives one an idea of the vast amount of work that has been accomplished at the Gulf hill, changing a steep, crooked road to a straight macadamized highway with a grade of about 7 per cent.

This is on the road known as No. 683, Dryden-Cortland, extending from the Dryden village line, in Tompkins county, N. Y., to the Cortland county line, a distance of 3.850 miles. The contract was let to J. McCormick of East Providence, R. I. The engineering was in charge of A. L. Northrop of Dryden, the division engineer's assistant for Tompkins county. The engineers on the work were L. E. Snyder of Syracuse and Harold Fox of Canajoharie.

The change of grade has been effected by cutting away the tops of the hills on either side and filling in the valley between. The fill at the culvert is twenty-five feet high, eighteen feet above the old road bed. The culvert



THE GULF HILL FILL.

at the base of the fill is a hundred feet long, with a throat five feet across both ways. In making the fill, which is about 500 feet in length, 11,000 yards of earth were moved.

This is said by state road men to be the largest job of filling that has ever been attempted on a state road in New York, says the Dryden (N. Y.) Herald. When the road was first surveyed the engineers planned a different route, not seriously considering the possibility of filling the valley, but after a later survey the highway commission directed that this plan be used.

Those who have used the road in the past will appreciate the change of grade, as this was the only bad hill between Dryden and Cortland, and the automobilist will make it on the "high" without a bit of worry. When this and the two sections of the Dryden-Ithaca road are done there will be a macadam road all the way from Cortland to Ithaca, an important link in the system connecting central New York with the southern tier.

The curves on this road are being banked, which is a new scheme in macadam construction. The outer side of the curve is raised a little higher than the inner edge like a race track.

"I do not believe there is any other medicine so good for whooping cough as Chamberlain's Cough Remedy," writes Mrs. Francis Turpin, Junction City, Ore. This remedy is also unsurpassed for colds and croup. For sale by M. E. Snook.

PROFESSIONAL CARDS.

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Complete tract index to all land and town lots in Crook county. Abstracts made accurately on short notice.
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EVERYTHING NEEDED is supplied at this bargain price—all the material required for the construction of this modern good-looking and comfortable cottage. We are independent dealers—not in any trust or association. At this remarkably low quotation we include all lumber, sash and doors, millwork, siding, ceiling, flooring, nails, stair-work, finishing lumber, window frames, door frames, building paper, eaves trough and pipe, hardware, sash weights, painting materials, roofing, plaster board, wall tint, etc.

The house, which is of solid, double-construction throughout, is 25 1/2 ft. x 29 1/2 ft. in dimensions, and is surprisingly roomy and well arranged.

Architects plans, specifications and full details about construction are supplied.

Our free folder, which tells you all about this house is waiting for you. Ask for Folder K.

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TO

PORTLAND ST. PAUL DENVER KANSAS CITY and
SPOKANE CHICAGO OMAHA ST. LOUIS

DAILY TRAIN

Madras 8:39 a.m., arriving Portland 6:00 p.m. Direct connection at Fallbridge for Spokane and points east. Arrive Spokane 9:45 p.m. Through tickets accepted for west-bound tickets to be furnished persons the east. Details will be furnished on request.

J. J. HOYDAR, Agent, MADRAS, ORE.