



WHITE RIVER FLOUR

MAKES WHITER, LIGHTER BREAD

Spray's Column

White River Flour is made in Oregon out of Eastern Oregon wheat. It is manufactured at The Dalles by theasco Warehouse and Milling Co., handled by Allen & Lewis, one of the best reliable wholesale grocery houses in Portland, shipped to Cottage Grove carload lots by J. F. Spray and furnished to all grocers at the very lowest price that can be made on a high class flour. Ask your grocer for it. If he can't carry it, phone 162. Every sack guaranteed.

Two Jersey cows for sale. See spray.

Improved Oregon strawberry plants for sale. See J. A. Prophet, the man who sells berries all summer.

Grain rolled at Spray's 10c per hundred.

Three year old horse for sale. See spray.

Eugene Miller has for sale, Brown egghorn and black pullets, one Empire Ream Separator, one buggy. Phone #11.

W. A. Hemenway has for sale cows, sows, hogs and farm tools.

C. E. Black wants to buy one dozen Indian Runner ducks.

Try a sack of White River Flour. Ask your grocer for it. If he hasn't, call Spray, phone 162.

Farmers, come in and see our manure spreader. Something new.

I have room in my brick store building for several carloads. Grade your potatoes and store them where they can be shipped at any time, and I think before spring you will be able to sell them at a fair price.

J. V. Thornton has a good brood sow for sale.

Five-horse-power Fairbanks - Morse engine and drag saw for sale cheap, all 23, Sentinel.

I have one 10-acre tract and one 18-acre tract yet unsold, two miles east of Cottage Grove, under irrigation ditch, also near city pipe line. If you want something that will make a nice home, come and see me. J. F. Spray.

F. M. Gibler has for sale India Runner and white Pekin ducks; also hard wood; Saginaw Oregon.

Buy a fanning mill. It is a money saver. All the crushed and small grain is only a detriment to sow, but it is all right to feed. Every weed takes up room and lessens your grain yield. Then why sow them when you can use a good fanning mill of Spray for 30.00.

Vetch seed at Spray's

Archie Thompson has nice sandy loam dirt to sell at 75c per yard delivered in place in town. Just the thing for parking, lawns and garden.

Two yearling buck sheep for sale, crosses of Cotswold and Dalone Moreno. Phone 162.

Page field fence is a spring steel, all by every test. Phone 162.

Lime and cement at Spray's.

John Deere and Oliver plows at Spray's.

Hood River Niagara Sprays, the best by every test at Spray's.

Buy your feed and flour of Spray. Phone 162.

Shingles and posts. Phone 162.

I deliver free to all parts of town. Spray, phone 162.

Second-hand light wagon for sale at Spray's.

Tell Spray what you need to buy, also what you have for sale. Get it into Spray's column and do business. Remember this column is free—don't cost you anything.

Salt by the carload. Salt your hay when you think salt. Come and see Spray.

The New Way gas engine goes and goes right.

If you need an engine see our engine and get our price before you buy.

Good second hand roller feed mill for sale.

Wagons, buggies, plows, harrows, cultivators, discs, binders, mowers and rakes at the big hole in the wall.

Remember the goat. He will kill the brush and make the grass grow while you sleep.

I pay cash for chickens, eggs, hides, grain.

The effete East is looking for a productive country. Send your friends out there copies of The Sentinel and let them know how things grow in this salubrious climate.

RIVER CHANGES COURSE

New Map Issued by Geological Survey Shows Portion of Prehistoric Channel.

When the great plains which rise high above the Columbia River canyon in eastern Washington are entirely mapped, showing all the elevations, it will be plainly seen how the waters of the Columbia were in prehistoric time diverted from its canyon and were made to traverse a new course. A recently issued topographic map covering a portion of this Columbia River plain is the Moses Lake sheet, in Grant County.

In the field season of 1910 Robert Muldrow and C. F. Eberly, topographic engineers of the United States Geological Survey, made a detailed survey of the area known as the Moses Lake quadrangle. The work was done in cooperation between the State of Washington and the Federal Geological Survey, each paying half the cost. The Moses Lake map covers an area of 23 square miles and is published on a scale of approximately 1 mile to the inch, with a contour interval of 25 feet. Moses Lake is shown in the central position of the map as a long, irregular sheet of water resembling an outlier of an elk. This hornlike form is recognized in the local names Pelican Horn, Parker Horn, and Lewis Horn, which have been given to spurs of the main lake.

Moses Lake is believed to have been at one time part of an old channel of Columbia River. During the glacial period, recent as time is measured by the geologist but long before the beginning of human history, the valleys of the northern Cascades and of the Okanogan highlands were filled with enormous glaciers, the largest of which reached the plains before they were melted in the warmer air of the lower country. The greatest of these ice rivers of eastern Washington flowed down the Okanogan Valley, which it filled to the depth of hundreds of feet. On reaching the Columbia River valley this glacier expanded and seems not only to have dammed the Columbia but to have filled its great canyon for some distance. The southern limit of this great Okanogan Glacier is marked by a terminal moraine many miles in width. The moraine is formed of dirt and rock material which was pushed along in front of the advancing glacier or carried on its surface and stranded where the ice melted, and it includes many huge blocks of basalt and other rock. One enormous block of basalt, known as Pilot Rock, which was probably carried by the glacier for some distance, is a striking landmark that can be seen for many miles.

North of the Moses Lake quadrangle is a broad canyon known as the Grand Coulee, which is in reality an old cut-off of Columbia River. When the Okanogan Glacier dammed the Columbia, the waters of that river escaped southward by way of Grand Coulee. Moses Lake and other nearby lakes are today remnants of the old channel. For a portion of the time that the great river flowed through the coulees it plunged into the lower canyon over a precipice some 400 feet high. No more impressive scene can be found in the Big Bend country than is presented by the great cliffs of black basalt below Coulee City, over which the Columbia once poured but where now desert shrubs are growing silently in the ancient channel. Crab Creek valley, which was a portion of the old channel, is plainly an ancient abandoned stream course, sunken in the basalt. During the existence of this great ice dam the Grand Coulee was more deeply carved, Little Crab Creek valley was much enlarged, and extensive deposits of glacial gravel were laid down where the town of Ephrata now stands and about Moses Lake.

When the glacier left the canyon of the Columbia and retreated up the Okanogan Valley the river resumed its former channel.

An interesting feature of the Moses Lake map consists in the immense sand dunes shown below the lake, the results of the prevailing wind from the north.

The Moses Lake sheet is the thirty-fourth map which has been published by the Geological Survey of the quad-

RULES OF CONTEST

Vote coupons must be secured at time of purchase. Clerks have instructions to give coupons on all cash purchases, but if they forget, be sure and remind them at time purchase is made.

Coupons will be given on cash sales only unless otherwise advertised. No coupons can be transferred but candidates can have as many assistants as they wish.

Standing of candidates will be published each week.

Sentinel subscriptions on this contest are payable at the Rees-Wallace Co. No coupons will be given on subscriptions received at Sentinel office.

Job printing shall be turned in at Sentinel office and coupons will be issued there.

On job printing 10 per cent of the face of the order must accompany order, and will be credited as last payment on order.

Standard maps it is sold at 5 cents a copy. An index map of the State of Washington, showing sheets which are available, can be obtained free on application to the Director of the Geological Survey, Washington, D. C.

TO REBUILD BURNED PAVILION

Governor and Building Commissioners Authorize Immediate Replacing of Loss.

Immediate steps are being taken to replace the live stock judging pavilion at the Oregon Agricultural College which burned to the ground last week. Gov. West and the State Board of Building Commissioners have notified Pres. Kerr that the work has been authorized, and State Architect Knighton will see to the work at once. The freshmen at the college have removed the debris to the vicinity of the athletic field, for use in the bonfire for the rally to be held at the time of the Washington game next week. The foundations are uninjured, and an expenditure of \$7,160 will duplicate the former structure with some improvements as to the lighting system.

DEPARTMENT FOR GIRLS

Oregon Countryman to Help Girls Win Fair Prizes.

A department for the young girls of the state, to aid them winning prizes at the industrial and state fairs and to give them useful information generally is to be inaugurated in the next issue of the Oregon Countryman, the monthly magazine published by the students of agriculture and home economics at the Oregon Agricultural College. The first few numbers will be given to the subject of bread making, and ensuing issues will tell what girls of other states are doing, how to make good cake, how to can fruit that will win prizes, and how to make jellies that will meet the strictest score card requirements.

From time to time, also, discussions of the selection of materials for various garments and other matters regarding sewing will be included. It is one of the objects of the new department to interest young girls in all the operations in their homes. Before many years they will be the home-makers of the state, and they should be interested in their profession.

Notice.

During my absence, and until further notice, all matters pertaining to Fire Insurance for my attention should be referred to Orville Spear at Powell & Co.'s store, where it will receive prompt attention. D. T. Awbrey. s26tf

Man wants but little here below, and a Sentinel want ad. will get that for him.

How Would This Look in YOUR HOME?



We Paid \$350 For It Yours For Nothing Want This Piano?

It belongs to the person receiving the greatest number of votes in our FIRST VOTING CONTEST. Fill out the Coupon below and nominate yourself or a friend. It will cost you or the friend nothing.

Act Quickly—\$1330 in Prizes—Five Lyon-Taylor Piano Prizes

First Prize—to the lady receiving the highest number of votes, a Lyon-Taylor Upright Piano, worth \$350.00. **Second Prize**—a due bill for \$260 to apply as payment on a Lyon-Taylor Piano. **Third Prize**—a due bill for \$250 to apply as above. **Fourth Prize**—a due bill for \$240 to apply as above. **Fifth Prize**—a due bill for \$230 to apply as above. Each candidate will have five chances to qualify for a piano prize.

Beautiful Silverware Free

In addition to the piano prizes, we are giving away \$100 worth of Rogers' Eagle Brand Silverware, absolutely free. Get a card and have your purchases punched out. When a \$5.00 card is all canceled it becomes a 25c piece toward the purchase of the Silverware. Four cards equal \$1.00 and so on.

How to Obtain Votes

Make your purchases at the Rees-Wallace Co.'s store and get your friends to do likewise. Every dollar purchase in general stock means 1000 votes.

Ballot Box Open and sample prize piano now on exhibition in our Bargain Department. Contest officially opens Friday, November 15th. Watch this paper for further announcements.

Sentinel Vote Coupons

The Sentinel will issue Vote Coupons as follows:

On each one-year subscription.....	1500 votes
On each year above one year.....	2000 votes
On each \$1 worth of job printing.....	1000 votes
10% of price of job printing must accompany order. No Coupons given on advertising. On first order for \$10 worth of job printing turned in 5000 extra votes will be given. On first club of 5 yearly subscriptions 5000 extra votes will be given.	

Turn subscriptions in at Rees-Wallace Co. Turn Job Printing in at Sentinel Office

Who Do You Think Ought to Have the Piano?

Fill out the Coupon and send it in. It will not cost you anything and will count 1000 votes for your candidate

Coupon

Good for 1000 votes when used to nominate a new candidate

I Vote for.....
Free Piano Contest

Rees-Wallace Co.

"WHERE YOU DO BETTER"