

Electric Bitters

Succeed when everything else fails. In nervous prostration and female weaknesses they are the supreme remedy, as thousands have testified. **FOR KIDNEY, LIVER AND STOMACH TROUBLE** It is the best medicine ever sold over a druggist's counter.

At Even MONEY

A SAVING

Of time, traveling expenses and fatigue can be made by using the shortest route East.

There is but one short and direct route between the West and the East.

Southern Pacific
The O. R. & N.
Oregon Short Line
And
UNION PACIFIC

THERE IS unsurpassed through fast train service to Denver, Omaha, Kansas City, Chicago, with direct connections to all points East and South.

There is an abundance of matchless scenery, and an opportunity to make a day-light stopover at Salt Lake City, if it is desired.

Let us tell you all about what can be done, before you purchase ticket.

E. T. FIELDS, AGENT
OREGON CITY

WM. McMURRAY
General Passenger Agent
PORTLAND, OREGON

PERFECT PRINTING PLATES

IN ONE OR MANY COLORS

LARGEST FACILITIES IN THE WEST FOR THE PRODUCTION OF HIGH GRADE WORK

RATES AS LOW AS EASTERN HOUSES

HICKS-CHATTEN ENGRAVING CO.
2d & Alder, PORTLAND, ORE.

Consultation Free

All Chronic or acute diseases. European Experience. Best Results

Dr. Vladimir Jindra

Office in Masonic Temple

Office Hours:—1 to 6; 7 to 8 p. m. Sun day, 10 to 12

Phone:—Pacific, Main 112; Home, Main 24; residence B-230.

60 YEARS' EXPERIENCE

PATENTS

TRADE MARKS
DESIGNS
COPYRIGHTS &c.

Anyone sending a sketch and description may quickly ascertain our opinion free whether an invention is probably patentable. Communications strictly confidential. HANDBOOK on Patents sent free. Oldest agency for securing patents. Patents taken through Mann & Co. receive special notice, without charge, in the Scientific American.

Scientific American.
A hand-drawn illustration weekly. Largest circulation of any scientific journal. Terms, \$3 a year in advance. Sold by all news-dealers and bookstores. MANN & CO., 301 Broadway, New York

HOLMES BUSINESS COLLEGE

WASHINGTON, D. C.

Portland, Oregon
Write for Catalog

The School that Plans for a Good Future

FARMERS' CORNER

Helpful Articles regarding Agriculture, Horticulture, and Poultry and Stock Raising, Gathered from Far and Near.

We will gladly publish your favorite Method or Recipe for the benefit of our other readers.

Pasture for Hogs

It always pays to have a good pasture for pigs and particularly in a season like the past year when all grain feed is bringing two prices. Of all the grasses, etc., that we raise, clover is the best pasture for hogs, unless it be alfalfa, and but few have it. Of the clovers, June and Mammoth, mixed, make an excellent combination. If a little Dwarf Essex rape seed is sown it will add variety.

To those who have no clover pasture coming on, let them consider the advisability of sowing something like grain and rape mixed. I prefer barley to other grain. Turn over while the barley and rape are small and the pigs will keep it down short enough so it will be tender. It will get tough if allowed to get too large. Don't fence off simply a hog yard and then expect to have good pasture.

Give them a good generous pasture and then if it gets too big run a mow over a part of it and let it come up tender again. Rape must be kept down to have the pigs relish it. I have often seen a farmer fence in an acre or two and sow to pasture for about a hundred hogs and then wonder why they didn't have pasture.

Plenty of range also has a tendency to stop them from rooting and they will also keep much healthier. A pig enjoys nice fresh grass as much as any other farm animal and why should they not have it when it is the cheapest and healthiest hog feed on earth?—Forest Henry, in Pacific Homestead.

Clearing Logged-off Lands.

The timber lands in western Oregon and Northern California are not nearly so accessible as those of western Washington. Neither is there nearly so much logged off land, nor is this land so well adapted for agricultural purposes as that in Washington. While the demand for farm land in Oregon and California is well supplied by prairie and easily cleared brush land, the necessity for reclaiming the logged-off land in these states is not pressing. On the other hand, western Washington has but few valleys that were not heavily timbered at one time, and the demand for agricultural products far exceeds the local supply. Consequently, the demand for farm land and the idle waste of cut-over land has brought the question of clearing this land squarely before the people. The character of the clearing ranges from the heavily timbered spruce and cedar lowlands through the benches and side hills covered with fir stumps and a dense growth of underbrush to the more sparsely covered hemlock ridges.

The spruce stump is thought to be the most expensive to remove, owing to the fact that it is found only on the deepest soil, where it roots deeply, it often requiring a box (50 pounds) of stumping powder to loosen a single stump five feet in diameter.

The fir stump is the predominating stump of all logged-off lands in Washington and Oregon, and is removed by various methods described below.

The cedar grows to some extent wherever the fir is found and predominates on low ground.

All of the above trees have lateral root systems and do not root deeply except in loose or sandy soil, where the roots penetrate to a depth of several feet. On flooded or swampy land the roots are often partly above the surface.

In the logged-off lands of the redwood district of northern California there has been little effort made to clear land for agricultural purposes, since the prairie land is plentiful and the logged-off land is rough and hilly. Some attempts have been made to clear the land of every thing but stumps and then to seed to orchard grass for cattle range. This work of clearing has been done for \$10 per acre. This method of making range has proved a failure in most cases, as the great quantity of brush and the sucker growth of the redwood stumps have almost entirely covered the ground in two or three years.

It is estimated that the logged-off land of northern California can be reclaimed at about the same expense as the fir stump land of Oregon and Washington.

Most of the clearing that has been done in Oregon was done by cheap labor until recent years. The donkey-engine method has been used in some sections of the state recently.

Ground has been broken at the Alaska-Yukon-Pacific Exposition at Seattle for the great athletic stadium to seat more than 5,000 people.

Keep Breeding Dates.

In breeding sows, and more especially those that are apt to farrow early litters, a careful record should always be kept of the breeding dates so that the sow may receive proper attention for a few days preceding her farrowing time. Many a valuable litter has been lost that might have been saved had the owner been aware of the exact date of farrowing. No matter how great the number of sows that are being bred it is a very small matter to keep a little note book with the dates of service. This is valuable not only to ascertain the date of farrowing, but can also be used to ascertain if the sows are with pig. A sow in normal condition will come in heat about every twenty one days and if she has passed two of these periods after service there is seldom any question about her being in pig. This is of particular value to breeders who are shipping or bred sows. A little attention paid to this matter will often save disputes with customers. Ordinarily a sow carries her pigs 112 days and probably farrows nearer this date than any other animal. Occasional variations have been noted but these are not numerous. A young sow will sometimes farrow 119 days after service and occasionally an old sow will carry her litter as long as 120 days, but outside of these rare instances the average sow will farrow at from 112 to 114 days after service with almost absolute certainty. Don't run the risk of losing a valuable litter of pigs because you failed to mark down the date of service. Losses of this kind are some time called bad luck, but here again is a case where bad luck should be termed as criminal carelessness.—Pacific Homestead.

Stafford.

(Too late for last issue.)

Stafford never lacks for things really essential to its welfare, hence the timely rain came as an expected blessing.

The sick ones are mostly improving. Mrs. Esther Toedemeyer's baby is recovering from the measles, and it is thought Amos Mays' is now taking the disease.

It is proposed we meet at the cemetery on Saturday, the 29th, at 10 A. M., and bring our dinner, work till 4 o'clock in the grave yards, and try to work over the whole ground instead of plots here and there where each is individually interested, as there are many graves whose occupants have no friends even to cut the fern from the headstones. Therefore it is hoped that scythes, rakes, shovels and axes, etc., will be brought in plenty so all can work with a will, then placing our flowers upon the graves, return to our homes feeling we have tried to beautify the silent city for the coming day.

John Wilkins was the next one to fall in line with a new well 140 feet deep. The well-borers now have gone over to Mr. Zivani's to bore for him, and a drummer for a firm in Portland follows close upon their heels to sell wind-mills.

It is reported, but we have not had the report confirmed, that Rev. Waehle has sold his 12-acre farm. He has been quite ill for the past three weeks, but seems to be improving under Doctor Vincent's care. All hope he will soon be able to again conduct services again in his church.

Clackamas

(Too late for last issue.)

We are informed that the site for the new depot is not definitely fixed, but that mentioned in a previous item is most favorably considered.

Eight grade examinations will take place at the school house Friday afternoon.

The base ball game between the White Diamond and Clackamas teams was called off on account of bad weather.

Rev. W. B. Moore closed his pastorate with the M. E. church at this place May 2. We understand that he has been transferred to Lents. A farewell reception at the church was tendered Mr. and Mrs. Moore Tuesday evening.

Rev. Prick Hart gave a most interesting and instructive talk at the M. E. church Sunday morning. His subject was "Life in the Philippines." He spoke on the same topic in the evening at the Congregational church. At both places he put on exhibition quite a large collection of curios.

Rev. J. L. Jones will preach at the Congregational church Sabbath morning, May 16 at 11 o'clock.

Clackamas Grange No. 298 held a regular meeting Friday evening, May 7. It was voted to give an entertainment in the near future.

It is said that the school board will meet Saturday evening to consider the bids for contracts on the new school house.

Beaver Lake.

C. G. Vorheis was visiting his wife near Woodburn last week.

Omer Williams and Bert Wade were transacting business in Oregon City last Friday.

G. T. Slaughter had the misfortune to cut his thumb off while chopping wood last week. Dr. Brooks, of Silverton is attending him.

H. Wilson was doing business at the county seat Friday last.

NAME YOUR FARM

Throughout the United States there are many farms that are not named, and the Courier believes that it is just as important that the farms should be named as it is important that the various business houses are named. Give your farm a name. Fill out this coupon, and send it to the Oregon City Courier, and your farm name will be placed on the Courier Registered list of Farms. The name sent in will be published together with the name of the proprietor. Use coupon below.

Name of farm

Proprietor

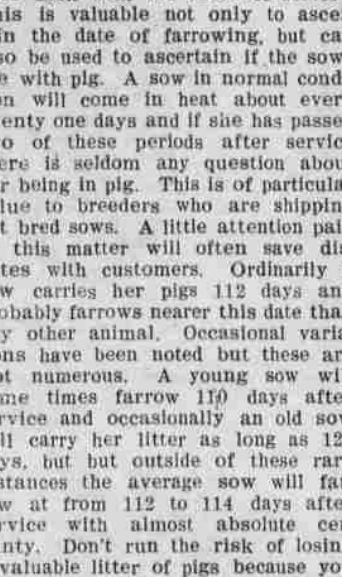
Address

ASBESTOS MINE IN IDAHO

Spokane Capitalists Plan to Mine Product on Large Scale.

Lewiston, Idaho, May 18.—Large deposits of asbestos are now being investigated on state land located near Kamiah, 50 miles east of Lewiston in the Clearwater country, preliminary to granting a lease to a Spokane company recently organized for the purpose of putting the manufactured product on the market.

The asbestos rock is found in large ledges, from which the rock can be quarried in large blocks and sawed into bricks or other products. The company has subjected the brick to the most rigid laboratory tests with satisfactory results. The Baldwin Locomotive Works has been working with the product and has recently offered orders for a large quantity of the brick and waste asbestos.



MRS. R. A. BALLINGER.

Mrs. Richard A. Ballinger, wife of the new secretary of the Interior, is no stranger to Washington. Her husband formerly held the position of commissioner of the land office in the department of which he is now chief. At her home in Seattle she is known as a charming hostess.

COLORADO'S ELECTRICAL HOTEL

One of the magnificent new hostels at Estes Park, Colorado, 50 miles northwest of Denver, is to be operated by electricity. The entire building, large enough to house more than 300 people, will be entirely equipped with electric conveniences and the model kitchen will contain a complete electrical range large enough to cook all the foods necessary even if the hotel is crowded.

Mr. F. O. Stanley, the proprietor of this Twentieth Century hotel, acquired a water power four miles away about the time he was planning to erect the new hostelry. At once he saw the difficulties of transporting fuel into the park, so he consulted an electrical engineer from the General Electric Company as to the feasibility of tapping the water power for electricity enough to supply electric lights for his new hotel and also to do the cooking. Being assured by the engineer that the plan was not only feasible but more economical than coal itself, Mr. Stanley immediately planned to bring the electric current to Estes Park.

This summer when the new hotel opens it will shine brilliantly at night with hundreds of electric lights. The streets and cottages of the little summer village will also be illuminated with electricity.

In the kitchen the steaks, chops, etc., will be broiled on a large grid heated by the mysterious current. The pastry and roasts will be baked in an electric oven; the coffee will be prepared in a large percolator and the vegetables, soups, cereals, etc., will be cooked in large kettles and stew pans heated by electricity.

That this plan is wholly within the bounds of reason and that there is no reason why the hotel should not succeed in its new enterprise is evidenced by the fact that at the Schemm plant of the General Electric works sixteen thousand men and women are employed, the cooking in both the large restaurants is all done by electricity. It will be no trouble for the chef and his assistants at Mr. Stanley's hotel to cook the meals for the guests and to cook them just right and even quicker than by any other method.

Electric heat has the advantage over coal in that the heat, in any quantity desired, is at the instant command of the chef. There is no waiting for slow fires or poor cooking resulting from insufficient heat.

The new hotel will be thoroughly equipped with small motor devices to chop and grind the foods, sharpen knives, turn the ice cream freezers and do other chores about the building.

The electrically equipped laundry will be another wonder about the place.

"My child was burned terribly about the face, chest and neck. I applied Dr. Thomas' Electric Oil. The pain ceased and the child sank into a restful sleep."—Mrs. Nancy M. Hanson, Hamburg N. Y.

Do It Now.

Now is the time to get rid of your rheumatism. You can do so by applying Chamberlain's Liniment. Nine cases out of ten are simply muscular rheumatism due to cold or damp, or chronic rheumatism, and yield to the vigorous application of this liniment. Try it. You are sure to be delighted with the quick relief which it affords. Sold by Jones Drug Company.

Biliousness and Constipation.

For years I was troubled with biliousness and constipation, which made life miserable for me. My appetite failed me. I lost my usual force and vitality. Pepsin preparations and cathartics only made matters worse. I do not know where I should have been had I not tried Chamberlain's Stomach and Liver Tablets. The tablets relieve the ill feeling at once, strengthen the digestive functions, purify the stomach, liver and blood, helping the system to do its work naturally.—Mrs. Rosa Potts, Birmingham, Ala. These tablets are for sale by Jones Drug Company.

August Glinther of Shubel spent Saturday in Oregon City.

Chamberlain's Liniment.

This is a new preparation and a good one. It is especially valuable as a cure for chronic and muscular rheumatism, and for the relief from pain which it affords in acute inflammatory rheumatism. Those who have used it have invariably spoken of it in the highest terms of praise. Lame back, lame shoulder and stiff neck are due to rheumatism of the muscles, usually brought on by exposure to cold or damp, and are quickly cured by applying this liniment freely and massaging the affected parts. Soreness of the muscles, whether induced by violent exercise or injury, is allayed by this liniment. For sale by Jones Drug Company.

Mountain View.

Mr. and Mrs. Frank Kinney and two children and Will Jones, of Eldorado, were visiting a few days last week with Mr. and Mrs. Rholl.

Ed Gottberg had a rush of work at the livery shop last week and Mr. Moran was helping him a few days. John Darling and Frank Beard are tearing down the old Nendall house and making other improvements on the place.

Johnny Darling was home from Corvallis Saturday.

Grandma Molloy is quite sick again. Dr. Norris is in attendance.

Mrs. Jennings, who has been visiting her sister, Mrs. Ingram and her brother, Mr. Robeson and wife, went to her home in Kelso Monday.

Mr. Harrington was making improvements on his lot on 7th and Division streets Monday, and has now sold the place.

Mr. and Mrs. Sinclair of Carus, were visiting Mr. and Mrs. Hamm last Sunday afternoon.

Gus Gottberg, of Ostrander, Wash., was at home Saturday and Sunday.

Sterling May and wife, of St. Johns, were visiting Grandma Molloy last Sunday.

The U. B. church people are preparing exercises for Children's day, June 6th.

Mrs. Goulder is on the sick list.

Stella Kellogg is in town working for Mrs. Owasco Kellogg.

Steve Green and family, who bought Frank Kellogg's house and lot, took possession Friday. Frank Kellogg bought Mrs. West's place near Maple Lane.

Frank Aldredge went to Independence Tuesday morning to look up a

place for a barber shop.

Mrs. Williams, of Sellwood, is visiting her son, Horace Williams and wife.

Mrs. C. Grasier and son were visiting in this burg Monday.

The Baptists will hold service at the church next Sunday.

Rev. Marti is still at Philomath and Frank Parker, of Maple Lane, will conduct the services at the U. B. Church Sunday.

Portland Railway, Light and Power Company

O. W. P. DIVISION

TIME TABLE
Between Portland and Oregon City

Leave	Arrive	Leave	Arrive
Portland	Oregon City	Oregon City	Portland
7:00	7:25	7:30	8:00
7:30	8:00	8:00	8:30
8:00	8:30	8:30	9:00
8:30	9:00	9:00	9:30
9:00	9:30	9:30	10:00
9:30	10:00	10:00	10:30
10:00	10:30	10:30	11:00
10:30	11:00	11:00	11:30
11:00	11:30	11:30	12:00
11:30	12:00	12:00	12:30
12:00	12:30	12:30	1:00
12:30	1:00	1:00	1:30
1:00	1:30	1:30	2:00
1:30	2:00	2:00	2:30
2:00	2:30	2:30	3:00
2:30	3:00	3:00	3:30
3:00	3:30	3:30	4:00
3:30	4:00	4:00	4:30
4:00	4:30	4:30	5:00
4:30	5:00	5:00	5:30
5:00	5:30	5:30	6:00
5:30	6:00	6:00	6:30
6:00	6:30	6:30	7:00
6:30	7:00	7:00	7:30
7:00	7:30	7:30	8:00
7:30	8:00	8:00	8:30
8:00	8:30	8:30	9:00
8:30	9:00	9:00	9:30
9:00	9:30	9:30	10:00
9:30	10:00	10:00	10:30
10:00	10:30	10:30	11:00
10:30	11:00	11:00	11:30
11:00	11:30	11:30	12:00
12:00	12:30	12:30	1:00
12:30	1:00	1:00	1:30
1:00	1:30	1:30	2:00
1:30	2:00	2:00	2:30
2:00	2:30	2:30	3:00
2:30	3:00	3:00	3:30
3:00	3:30	3:30	4:00
3:30	4:00	4:00	4:30
4:00	4:30	4:30	5:00
4:30	5:00	5:00	5:30
5:00	5:30	5:30	6:00
5:30	6:00	6:00	6:30
6:00	6:30	6:30	7:00
6:30	7:00	7:00	7:30
7:00	7:30	7:30	8:00
7:30	8:00	8:00	8:30
8:00	8:30	8:30	9:00
8:30	9:00	9:00	9:30
9:00	9:30	9:30	10:00
9:30	10:00	10:00	10:30
10:00	10:30	10:30	11:00
10:30	11:00	11:00	11:30
11:00	11:30	11:30	12:00
11:30	12:00	12:00	12:30
12:00	12:30	12:30	1:00
12:30	1:00	1:00	1:30
1:00	1:30	1:30	2:00
1:30	2:00	2:00	2:30
2:00	2:30	2:30	3:00
2:30	3:00	3:00	3:30
3:00	3:30	3:30	4:00
3:30	4:00	4:00	4:30
4:00	4:30	4:30	5:00
4:30	5:00	5:00	5:30
5:00	5:30	5:30	6:00
5:30	6:00	6:00	6:30
6:00	6:30	6:30	7:00
6:30	7:00	7:00	7:30
7:00	7:30	7:30	8:00
7:30	8:00	8:00	8:30
8:00	8:30	8:30	9:00
8:30	9:00	9:00	9:30
9:00	9:30	9:30	10:00
9:30	10:00	10:00	10:30
10:00	10:30	10:30	11:00
10:30	11:00	11:00	11:30
11:00	11:30	11:30	12:00
11:30	12:00	12:00	12:30
12:00	12:30	12:30	1:00
12:30	1:00	1:00	1:30
1:00	1:30	1:30	2:00
1:30	2:00	2:00	2:30
2:00	2:30	2:30	3:00
2:30	3:00	3:00	3:30
3:00	3:30	3:30	4:00
3:30	4:00	4:00	4:30
4:00	4:30	4:30	5:00
4:30	5:00	5:00	5:30
5:00	5:30	5:30	6:00
5:30	6:00	6:00	6:30
6:00	6:30	6:30	7:00
6:30	7:00	7:00	7:30
7:00	7:30	7:30	8:00
7:30	8:00	8:00	8:30
8:00	8:30	8:30	9:00
8:30	9:00	9:00	9:30
9:00	9:30	9:30	10:00
9:30	10:00	10:00	10:30
10:00	10:30	10:30	11:00
10:30	11:00	11:00	11:30
11:00	11:30	11:30	12:00
11:30	12:00	12:00	12:30
12:00	12:30	12:30	1:00
12:30	1:00	1:00	1:30
1:00	1:30	1:30	2:00
1:30	2:00	2:00	2:30
2:00	2:30	2:30	3:00
2:30	3:00	3:00	3:30
3:00	3:30	3:30	4:00
3:30	4:00	4:00	4:30
4:00	4:30	4:30	5:00
4:30	5:00	5:00	5:30
5:00	5:30	5:30	6:00
5:30	6:00	6:00	6:30
6:00	6:30	6:30	7:00
6:30	7:00	7:00	7:30
7:00	7:30	7:30	8:00
7:30	8:00	8:00	8:30
8:00	8:30	8:30	9:00
8:30	9:00	9:00	9:30
9:00	9:30	9:30	10:00
9:30	10:00	10:00	10:30
10:00	10:30	10:30	11:00
10:30	11:00	11:00	11:30
11:00	11:30	11:30	12:0