

**THE BEND BULLETIN**

For every man a square deal, no less and no more.

**SUBSCRIPTION RATES:**

One year \$1.00  
Six months .50  
Three months .25  
(Invariably in advance.)

**HOW TO REMIT.**

Remit by bank draft, postal money order on Bend, express money order, or registered letter. Make all remittances payable to The Bend Bulletin.

FRIDAY, NOVEMBER 23, 1906.

The Review says that the new mail route would be an additional expense to the government of something like \$4,000. Mail Route Inspector Yable, during his recent visit to Crook county, told L. D. West that the expense would not exceed \$2,000.

The honorable Johnnie Barrett "of Oregon," minister plenipotentiary and envoy extraordinary to everywhere, is coming out to this state to assure the people that Secretary Root's course in South America has his unqualified approval. Root is a lucky boy.

R. J. Ginn, of Moro, Sherman county, promptly got Senator Fulton's endorsement for register of The Dalles land office, vice M. T. Nolan, resigned. This land office now bears marks of desperate politics, and the public is likely to know more about it before the game is played through, is the guess of an outsider.

There is apparently a widespread desire to force Roosevelt into the presidential chair for another term. Answering a query in line with this effort, Secretary of State Root recently emphatically stated that the president would not be a candidate for re-election; and Mr. Root was not nor would he be a candidate for that high office.

People who live in glass houses should not throw stones. The Prineville Review says The Bulletin lifts news bodily from the Prineville papers without giving credit. The Bulletin never yet has copied a half column article from the Review, word for word, and not given credit for it; but that is just what the Review did in its issue of November 8, with an article from The Bulletin.

Settlement and development in the Deschutes valley leads us naturally up against the necessity for the better mail service outlined in another column of this paper. The plan will take nothing from any other locality, will add nothing to the total expense of serving this region and will vastly benefit a large number of people and important business interests. It is a happy arrangement and ought to be promptly approved and put in operation.

Timber Land, Act of June 3, 1872  
**NOTICE FOR PUBLICATION.**  
U. S. Land Office, The Dalles, Oregon,  
November 3, 1906.

Notice is hereby given that in compliance with the provisions of the Act of Congress of June 3, 1872, entitled "An act for the sale of timber lands in the states of California, Oregon, Nevada and Washington Territory," as extended to all the public land states by act of August 4, 1894, the following named persons have on October 13, 1906 filed in this office their sworn statements, to-wit:

Alice C. Wood  
of Bend, county of Crook, state of Oregon, sworn statement No. 3444, for the purchase of the SW 1/4 sec 19, W 1/2 sec 19 and NE 1/4 sec 19, T 12 S, R 12 E, W 3 M.

Charles E. Wood  
of Bend, county of Crook, state of Oregon, sworn statement No. 3445, for the purchase of the NE 1/4 sec 19, W 1/2 sec 19 and NE 1/4 sec 19, T 12 S, R 12 E, W 3 M.

Mary A. Wood  
of Bend, county of Crook, state of Oregon, sworn statement No. 3446, for the purchase of the SW 1/4 sec 19, W 1/2 sec 19 and NE 1/4 sec 19, T 12 S, R 12 E, W 3 M.

That they will offer proofs to show that the lands sought are more valuable for the timber or stone thereon than for agricultural purposes, and to establish their claims to said lands, before M. C. Hills, U. S. Commissioner, at his official place of business at Bend, Crook County, Oregon, on January 10, 1907.

They name the following witnesses: Charles E. Wood, Alice C. Wood, Joseph E. Wood, Elmer W. Wagoner, Charles M. Weymouth, Mary A. Wood and Samuel A. Gott, all of Bend, Oregon.  
Any and all persons claiming adversely any of the above-described lands are requested to file their claims in this office on or before the said 10th day of January, 1907.  
1914 MICHAEL T. NOLAN, Register.  
\$1200 to lend on real estate security. Apply at The Bulletin office.

**Problems That Confront The Irrigator.**

**Ditch-Bank Irrigation.**

A simple form of depressed-bed irrigation, and one which is readily available for home garden work in the arid region, may be called "ditch-bank irrigation." It aims to use the water percolating from a raised ditch, which will moisten the slope of the bank and the soil for a certain distance outward from its base. Its prototype is perhaps the old permanent ditch of the Spanish settlers, which was opened out from a stream on a grade favoring a slow flow, and whatever land on each side was thus moistened was used for a few onions, beans, and peppers, which were about the only vegetables these settlers required. In the depressed-bed system the banks of the water-carrying levees are usually set full of quickly maturing vegetables.

Ditch-bank irrigation consists in a sort of a combination of the old Spanish practice with some part of the more systematic depressed-bed practice of the Italian market gardeners. The method is to plow in deeply a good covering of manure and harrow thoroughly until the land is well settled. Then find a direction in which the land is nearly level and back two or more furrows to form a ridge. Rake over the surface, shaping up the ridge evenly, and on its crest mark out a narrow ditch with the hoe. Connect the head of this ditch with the water supply and run in a small stream, aiding its course with a little cutting and filling until it runs evenly the whole length of the ridge. This will settle the ground, and some smoothing with the rake will be needed. When the ground is in good shape, sow the seed or set the plants along the top and sides of the ridge and along the base also. If the soil is not too leachy, the water will percolate slowly and evenly and moisten the soil without cropping out on the surface. The ridges can be multiplied and distribution of water to their several heads be arranged with troughs or otherwise, and the overflow at the ends can be led away to trees or clover patches. Water can be run from time to time to these channels as required, and the banks and bases can be used for a succession of vegetables.

The method requires work and care to arrange the grade, etc., in the first instance, but for the rest of the season the irrigation is automatic, though, of course, much hand hoeing will have to be done among the plants, for the constant presence of moisture and manure makes large weeds as well as vegetables. It is surprising, however, how large a home supply of vegetables in variety can be grown on 200 or 300 feet of ditch bank while all the rest of the landscape may star.

**Raised-Bed Irrigation.**

A very important modification of the furrow system is the raised bed, which, under certain circumstances is of great value in the vegetable and small-fruit plantation. The raised bed is an elevation between two irrigating furrows. The field is laid off in narrow lands and several furrows thrown together so as to bring dead furrows about four feet apart, making long beds extending down the grade with their surface raised several inches above the old level. The motive is to arrange a plant bed with a water course on each side and below its surface level. The whole plan is just the opposite of the depressed bed with raised ditches already described, and is obviously to meet quite different conditions. It is especially suited to a rather heavy soil in which water will move well laterally, rise well, and be retained. Irrigation is accomplished by holding water for a time in the ditches. Where the ground is sloping it is held in levels by dirt dams or by cloth or metal dams, placed at intervals as required to raise the water nearly to the ground surface. The arrangement has several advantages for the market gardener and is largely used by those of foreign birth, who rely upon hand work and desire to carry as many plants as possible per acre; for their rents for rich land near cities are usually high. It enables them to plant in close rows and in starting young plants it gives standing water alongside, which they can easily flirt out with a pan or shovel when they think a little sprinkling is desired. The Italian gardeners have a knack of doing this which is very interesting.

The chief advantages, however, are the distribution of water beneath the surface, which lessens the need of surface cultivation, and when the vegetables are well grown obviates the decay which comes to foliage by contact with a moist surface. The same is true of the use of raised beds for strawberries when grown on the heavier loams or when the light, shallow loams overlie hardpan and require frequent irrigation.

Another very important advantage of the raised bed lies in its adaptation to growth of vegetables and strawberries during the rainy season of semitropical climates. Not only is the raised bed more responsive to the greater warmth which comes to the air at intervals, and consequently promotive of winter growth of vegetables, but it also escapes the supersaturation which long rains may occasion. The deep ditches then act as open drains for the escape of the surplus water. The system would seem to be widely available where there exists both the need of irrigation and the danger of excessive rainfall, according to varying weather conditions.

**FARMS, TIMBER LANDS and Town Property**

BOUGHT and SOLD. Timber Claims and Homesteads located, surveyed and estimated.

**ABSTRACTING**

CALL ON OR ADDRESS  
**THE CROOK COUNTY REAL ESTATE CO.**  
PRINEVILLE, OREGON.

**Bend Livery & Transfer Co.**

W. J. ROBISON, Proprietor.

**LIVERY, and FEED STABLE**

HORSES BOARDED BY THE DAY, WEEK OR MONTH

First-Class Livery Rigs for Rent. Phone No. 15

Bond street, between Minnesota and Oregon. Bend, Oregon.

**THOROUGHbred**

**Black Langshan Cockerels**  
FOR SALE  
Your Choice Now for 75 Cents.  
E. C. PARK

**Chickens for Sale.**

I have for sale some pure-bred Barred Plymouth Rock hens; also some spring chickens, fine for table use. Can deliver at Bend if desired.  
MRS. C. B. ALLEN,  
271f Bend, Oregon.

REDMOND, OREGON  
My fowls took seven firsts and three seconds at the fair

Eleven large exhibit palaces will form the main picture of the Alaska-Yukon-Pacific Exposition.

Because we are selling the same and better quality at a closer margin is a very good reason why you will find our store the best place to buy anything in the line of

**Groceries, Drygoods, Furnishings, Shoes, Hardware, Sash and Doors, Paints and Oils**

**The PINE TREE STORE**

E. A. SATHER, PROPRIETOR

A Complete Stock of

At Bend, Oregon. **DRY** Rough, Surfaced and Moulded **LUMBER** At Bend, Oregon.

All Widths, Lengths and Thicknesses

Reasonable Prices Good Grades Dry Stock

INCH COMMON DIMENSION SHIPLAP RUSTIC T. & G. FLOORING BEADED CEILING WINDOW JAMBS WINDOW CASING HEAD BLOCKS O. G. BASEBOARD STAIR TREADS WATER TABLE O. G. BATTINS MOULDINGS P. B. D. PATENT ROOFING FENCE PICKETS SHINGLES ETC., ETC.

Lumber Delivered at Low Cost Anywhere on The D. I. & P. Co., or The C. S. I. Co.

CUSTOM FEED MILL IN CONNECTION.

**The Pilot Butte Development Company**

BEND, OREGON

**PROFESSIONAL CARDS**

**C. S. BENSON,**  
ATTORNEY AT LAW  
Bend, - Oregon.

**W. P. MYERS**  
LAND ATTORNEY  
Twelve years special practice before the U. S. Land Office and Department of the Interior. Also general practice.  
Office, - LAIDLAW, ORE.

**U. C. COE, M. D.**  
OFFICE OVER BANK  
Physician and Surgeon  
TELEPHONE NO. 21  
BEND OREGON

**DR. I. L. SCOFIELD**  
DENTIST  
BEND, OREGON  
Office in residence on Hawthorne Ave.

**R. D. WICKHAM**  
Attorney - at - Law  
OFFICE OVER BANK  
BEND, OREGON

**Harness and Shoe Repairing**

I have opened a repair shop in the Bend Livery & Transfer Co.'s barn and will carry a full line of harness repairs; also whips, curry combs, brushes, blankets, etc. Bring in your work.  
Will also continue to repair shoes.  
FRANK BUTTERWORTH.

**J. H. HANER,**  
ABSTRACTOR OF TITLES  
NOTARY PUBLIC  
Fire Insurance, Life Insurance, Surety Bonds, Real Estate, Conveyancing  
PRINEVILLE, OREGON

**THE First National Bank**  
of Prineville.  
Established 1888.  
Capital, Surplus and Undivided Profits, \$100,000.00

B. F. Allen, President  
Will Wurzelweiser, Vice President  
T. M. Baldwin, Cashier  
H. Baldwin, Assistant Cashier

**Crook County Realty Co**  
Real Estate Bought and Sold.  
Life and Accident INSURANCE.  
OFFICE IN BULLETIN BUILDING BEND, OREGON

**The Deschutes Telephone Company**

Telegrams Forwarded to Any Part of the World.

Direct Telephone Communication with Portland, Prineville and all Pacific Coast cities.

**Public Pay Stations**  
in Bank Building at Bend, at Laidlaw and Powell Buttes.

Messenger service to any part of Crook County south of Crooked River.

The management of the Alaska-Yukon-Pacific Exposition has appropriated \$100,000 for a live stock show.

**NOTICE FOR PUBLICATION.**  
U. S. Land Office, The Dalles, Oregon,  
November 2, 1906.

TO WHOM IT MAY CONCERN:  
Notice is hereby given that the State of Oregon has filed in this office the following list of lands, to-wit:

**LIST OF LANDS FOR PATENT NO. 4.**

Approved	Section	Tract	Acres
W 1/2 of SW 1/4	10	14 1/2 E W M	80.00
N 1/2 of SW 1/4	11	" " " "	80.00
W 1/2 of SW 1/4	12	" " " "	80.00
N 1/2 of SW 1/4	13	" " " "	80.00
W 1/2 of SW 1/4	14	" " " "	80.00
N 1/2 of SW 1/4	15	" " " "	80.00
W 1/2 of SW 1/4	16	" " " "	80.00
N 1/2 of SW 1/4	17	" " " "	80.00
W 1/2 of SW 1/4	18	" " " "	80.00
N 1/2 of SW 1/4	19	" " " "	80.00
W 1/2 of SW 1/4	20	" " " "	80.00
N 1/2 of SW 1/4	21	" " " "	80.00
W 1/2 of SW 1/4	22	" " " "	80.00
N 1/2 of SW 1/4	23	" " " "	80.00
W 1/2 of SW 1/4	24	" " " "	80.00
N 1/2 of SW 1/4	25	" " " "	80.00
W 1/2 of SW 1/4	26	" " " "	80.00
N 1/2 of SW 1/4	27	" " " "	80.00
W 1/2 of SW 1/4	28	" " " "	80.00
N 1/2 of SW 1/4	29	" " " "	80.00
W 1/2 of SW 1/4	30	" " " "	80.00
N 1/2 of SW 1/4	31	" " " "	80.00
W 1/2 of SW 1/4	32	" " " "	80.00
N 1/2 of SW 1/4	33	" " " "	80.00
W 1/2 of SW 1/4	34	" " " "	80.00
N 1/2 of SW 1/4	35	" " " "	80.00
W 1/2 of SW 1/4	36	" " " "	80.00
N 1/2 of SW 1/4	37	" " " "	80.00
W 1/2 of SW 1/4	38	" " " "	80.00
N 1/2 of SW 1/4	39	" " " "	80.00
W 1/2 of SW 1/4	40	" " " "	80.00
N 1/2 of SW 1/4	41	" " " "	80.00
W 1/2 of SW 1/4	42	" " " "	80.00
N 1/2 of SW 1/4	43	" " " "	80.00
W 1/2 of SW 1/4	44	" " " "	80.00
N 1/2 of SW 1/4	45	" " " "	80.00
W 1/2 of SW 1/4	46	" " " "	80.00
N 1/2 of SW 1/4	47	" " " "	80.00
W 1/2 of SW 1/4	48	" " " "	80.00
N 1/2 of SW 1/4	49	" " " "	80.00
W 1/2 of SW 1/4	50	" " " "	80.00
N 1/2 of SW 1/4	51	" " " "	80.00
W 1/2 of SW 1/4	52	" " " "	80.00
N 1/2 of SW 1/4	53	" " " "	80.00
W 1/2 of SW 1/4	54	" " " "	80.00
N 1/2 of SW 1/4	55	" " " "	80.00
W 1/2 of SW 1/4	56	" " " "	80.00
N 1/2 of SW 1/4	57	" " " "	80.00
W 1/2 of SW 1/4	58	" " " "	80.00
N 1/2 of SW 1/4	59	" " " "	80.00
W 1/2 of SW 1/4	60	" " " "	80.00
N 1/2 of SW 1/4	61	" " " "	80.00
W 1/2 of SW 1/4	62	" " " "	80.00
N 1/2 of SW 1/4	63	" " " "	80.00
W 1/2 of SW 1/4	64	" " " "	80.00
N 1/2 of SW 1/4	65	" " " "	80.00
W 1/2 of SW 1/4	66	" " " "	80.00
N 1/2 of SW 1/4	67	" " " "	80.00
W 1/2 of SW 1/4	68	" " " "	80.00
N 1/2 of SW 1/4	69	" " " "	80.00
W 1/2 of SW 1/4	70	" " " "	80.00
N 1/2 of SW 1/4	71	" " " "	80.00
W 1/2 of SW 1/4	72	" " " "	80.00
N 1/2 of SW 1/4	73	" " " "	80.00
W 1/2 of SW 1/4	74	" " " "	80.00
N 1/2 of SW 1/4	75	" " " "	80.00
W 1/2 of SW 1/4	76	" " " "	80.00
N 1/2 of SW 1/4	77	" " " "	80.00
W 1/2 of SW 1/4	78	" " " "	80.00
N 1/2 of SW 1/4	79	" " " "	80.00
W 1/2 of SW 1/4	80	" " " "	80.00

and has applied for a patent for said lands under the acts of August 18, 1894 (28 Stat., 372-422), June 11, 1896 (29 Stat., 45), and March 3, 1901 (31 Stat., 1333-1388), relating to the granting of land to be used for the reclamation of arid lands in each of certain states; and that the said list, with its accompanying proofs, is open for the inspection of all persons interested, and the public generally, on the ground of failure to comply with the law, on the ground of a non-desert character of the land, on the ground of a prior adverse right, or on the ground that the same is more valuable for mineral than agricultural purposes, will be received and noted for report to the General Land Office, Washington, D. C.  
MICHAEL T. NOLAN, Register.  
ANNIE M. LANG, Receiver.

Land Office at The Dalles, Oregon,  
November 2, 1906.

Notice of the above application will be published in The Bend Bulletin printed at Bend, Oregon, which I hereby designate as the newspaper published nearest the land described in said application.  
MICHAEL T. NOLAN, Register.  
\$400 to lend on real estate security. Apply at The Bulletin office.