

TOOLS NEEDED IN ROAD BUILDING

Cheap and Practical Machinery Within Reach of All.

GOVERNMENT REPORT.

Portable Stone Crushers Are Invaluable in Building Good Macadam Roads—Future Maintenance of Highways Must Be Mapped Out Before Anything Else Is Done.

Road building is now occupying the attention of the people to a greater degree than ever before. Building by the old fashioned way is expensive. Tools that reduce the cost are within the reach of every county, and on this subject a government report says:

"In addition to the shovels, picks and other ordinary implements a considerable outlay for machinery is necessary. In these days of high paid labor and short working hours one rarely hears in this country of macadam stone being broken by hand.

"There are many kinds of stone crushers on the market. Except for city use and in cases where a large amount of macadam work is done every year within a comparatively small area, large stationary plants are undesirable. There are several kinds of portable plants which may be bought at prices ranging from \$1,000 to \$2,500 which are admirably adapted for country use. These plants include the stone crusher, engine and boiler, portable bins, revolving screen and an elevator to lift the stone after it is broken and to discharge it into the screen.

"The outfits are mounted on wheels and may be moved from place to place at a comparatively small cost. Under ordinary conditions from \$50 to \$100 will pay the expense of shifting such a plant from its old location to a new one several miles distant.

"Stone crushers are variable in their output. They all need much repair work from time to time on account of the severe usage to which they are subjected. With an outfit such as has been mentioned from eighty to a hundred tons (sixty to eighty cubic yards) of broken stone per day may be expected if the plant is kept in good condition. Such an output is usually satisfactory, since a single steam road roller will not often roll more than this amount in a day. The crusher will take stones which measure up to approximately 7 by 14 inches in cross section; larger stones require mauling before they can be placed in the receiving outfit.

"In some places it may be found more economical to have the stone shipped in from some permanent crushing plant than to purchase a crushing outfit, and it is well to consider this feature carefully. It should also be stated that, while the first cost of the road is important, the costs of future maintenance must also be taken into account. It is sometimes economical, even at a greater initial cost, to import stone from a distance if thereby a more durable road may be had than is possible by the use of local stone.

"The crusher should be set up as nearly as practicable in the center of the section to be built; but, since much water is needed for the boiler, for the roller and for the watering cart, the site is often governed by the location of the water supply.

"If possible the crusher should be set low enough so that a platform may be built at the level of the opening which receives the stone. This platform should be sufficiently strong to bear the weight of the carts loaded with stone for the crusher. With this arrangement the large stones may be dumped upon the platform and fed into the crusher without further lifting.

"The workmen who set up the plant should have had experience in this work. Much depends on the proper alignment of the several parts, and many petty annoyances in operation will be avoided if the work is done properly in the first instance.

"The steam road roller is now used to so great an extent that a discussion of its advantages over the horse roller is unnecessary. Macadam roads may, of course, be built with rollers drawn by horses. They may also be built without any rolling except by the wheels of moving vehicles. But experience has demonstrated that quicker and better work can be done with the steam roller and usually at a less cost. A so called ten ton roller is sufficiently heavy for country roads. Most of the culverts and many of the bridges are too weak to sustain with safety the heavier rollers. There are several excellent makes of such rollers, which may be had at prices ranging from \$2,500 to \$3,500.

"Since water is always needed in rolling the macadam a watering cart or sprinkler should be provided. The road official cannot often afford to wait for rain. Most of these carts are provided with extremely broad tires, so that the cart assists in consolidating the stone instead of rutting it. Many communities are provided with one or more watering carts, so that it is often unnecessary to purchase a new one for road building.

"In macadam work, as in all other construction work, there should be a competent foreman or superintendent in charge."

The Journal Contest.

The piano contest is narrowing down. Miss Elliott is still in the lead but Miss Glaze has jumped from third to second place. Five weeks will settle the matter. Up on the last day of February someone is going to get a fine piano. It is paid for and all you have to do is move it away from the D. P. Adamson drug store. Its a beauty.

The votes are as follows:

Miss Mary Elliott	154,735
Miss Maggie Glaze	130,703
Mrs. Vera Cyrus	119,675
Miss Emerlyn Young	4475
Baptist Church, Prineville	1000
Miss Myrtle Joshi of Haystack	1000

Harold Cook of Laddlaw was a county sent visitor today. He announces a mass convention of prohibitions at Culver on February 27, for the purpose of electing delegates to the state convention.

Died.

Colburn McPherson, born in Johnston county, Missouri, January 28, 1846 crossing the plains with his parents in 1854, at the age of 8 years. His family settled in California. Martha McPherson became his bride September 27, 1868, at Heildsburg, Cal., settling at Hay Creek, where Mr. McPherson engaged in extensive stock raising and farming, accumulating valuable property interests there. He was one of the oldest residents in that part of the state, residing at Hay Creek 37 years. He was the father of eight children: Mrs. C. M. Akin, Miller McPherson, The Dalles; John and Jud McPherson, Hay Creek; Logan McPherson, Prineville; Mrs. Anna Shaw, San Francisco, and two daughters who have passed away, Mrs. Uru Jenkins of Denver and Edythe L. McPherson of Portland.

W. A. Bell for District Attorney.

To the Republican electors of Crook, Hood River, and Wasco Counties: I hereby announce myself a candidate for the Republican nomination for District Attorney at the coming primaries, April 19th, and if nominated and elected I will during my term of office devote my entire time to the duties of the office to the exclusion of other law business, and give my personal attention, and first consideration to the business of the office, and will personally assist the officers in each county with the enforcement of the criminal law, and especially will I exert myself to enforce the law against vice, immoral acts, and the traffic in white slavery.

I have resided in the District, at Prineville, and The Dalles, Oregon, for the past twenty-five years, and engaged eighteen years in the active practice of the law.

Horses for Sale.
On the old C. Sam Smith ranch, near Prineville, sold in any number at reasonable prices. For further information address G. H. RUSSELL, Prineville, Oregon. 12-16-tf

Best prices paid for household goods. Also sell and exchange Prineville Furniture Exchange, Chas. F. Condart prop. 12-14

Application for Grazing Permits.

NOTICE is hereby given that all applications for permits to graze cattle, horses and sheep within the DESCHUTES NATIONAL FOREST during the season of 1912, must be filed in my office at Bend, Oregon, on or before February 20, 1912. Full information in regard to the grading fees to be charged and blank forms to be used in making applications will be furnished upon request. 1-25-St. J. ROY HARVEY, Supervisor.

Restoration to Entry of Lands in National Forest.

Notice is hereby given that the lands described below, embracing 200 acres, within the Deschutes and Cascade National Forests, Oregon, will be subject to settlement and entry under the provisions of the homestead laws of the United States and the act of June 11, 1906, (34 Stat., 237), at the United States land office at Lakeview, Oregon, on April 3, 1912. Any settler who was actually and in good faith claiming any of said lands for agricultural purposes prior to January 1, 1906, and has not abandoned same, has a preference right to make a homestead entry for the lands actually occupied. Said lands were listed upon the applications of the persons mentioned below, who have a preference right subject to the prior right of any such settler, provided such settler or applicant is qualified to make homestead entry and the preference right is exercised prior to April 3, 1912, on which date the lands will be subject to settlement and entry by any qualified person. The lands are as follows: The $\frac{1}{2}$ of ne $\frac{1}{4}$, Sec. 19, T. 22 S., R. 10 E., W. M. 40 acres, application of Stanley J. Pierce, of Bend, Oregon; List 6-532. The $\frac{1}{2}$ of sw $\frac{1}{4}$, Sec. 10, T. 22 S., R. 10 E., 40 acres, application of John F. Bogue, of Lapine, Oregon; List 6-466. The $\frac{1}{2}$ of ne $\frac{1}{4}$, the $\frac{1}{2}$ of ne $\frac{1}{4}$, Sec. 22, T. 21 S., R. 10 E., 120 acres, application of Christ. A. Anderson, of Lapine, Oregon; List 6-560.

S. V. Prout, Assistant Commissioner of the General Land Office, Approved December 19, 1911, Carmel A. Thompson, Acting Secretary of the Interior. 1-25-4t

Must Have Money!

Am Forced to Build New Store

The Fire Monday Night makes it imperative that I build. If I do I must have money. In order to get it I will offer my stock of Jewelry at Sacrifice Prices. Remember my line of Watches, Clocks, Jewelry of All Kinds is most complete.

Come in and Get Prices

L. KAMSTRA

Proprietor Crook County Jewelry and Sporting Goods House

Prineville, - - Oregon

Sale on Chiffoniers and Dressers

New Chiffoniers \$14.00 and \$16.00 values, now \$10.00 and \$12.00 each.
New and Second-Hand Dressers, Values from \$10.00 to \$16.00, Now \$6 to \$12.00.

Can You Beat This in Portland?
Satisfaction Guaranteed.

Prineville Furniture Exchange Charles F. Condart, Prop.

Masonic Building. Pioneer Phone.

General Blacksmithing

HORSESHOEING, WOOD WORK, ETC.,
NEATLY AND PROMPTLY DONE
WHEN IT IS DONE BY : : :

Robert Moore

Satisfaction Will Be Guaranteed

PRINEVILLE, - OREGON.

Notice to Creditors.

Notice is hereby given, by the undersigned, the administrator of the estate of Sophia J. Lafollett, deceased, to all creditors of said deceased and to all persons having claims against said estate, to present the same with the proper vouchers, to the undersigned at the office of M. B. Elliott in Prineville, Oregon, within six months from the first publication of this notice.

Dated Jan. 20, 1912.
T. H. LAFOLLETT,
Administrator of the estate of Sophia J. Lafollett, deceased.

List Your House.

I rent your house and collect the rent for \$1 per month. CHAS. F. CONDART, 1-18

Buggy Robe Lost.
Between Foster & Hyde place and the Davenport ranch about a week ago. Return to city marshal, Prineville, and get reward. 1-15-34p

Hens For Sale.

One dozen large hens just starting to lay, \$8. Also good 50-egg incubator cheap. J. S. Fox, "Braeside," Prineville, Oregon. 1-18-4t
Fresh eggs the year round.
\$50,000 for Farm Loans. See Brenton Jones, Metolna, Oregon. 3-23p

White Leghorns

(Pure Bred)

The kind that lay, and lay big eggs. Eat less and lay more than other kinds.
Eggs for hatching, guaranteed pure, \$1.50 per setting.
Cocks \$2.00 each.

GUY LAFOLLETT, Prineville, Or.

LUMBER

Shingles, Mouldings, Windows, Doors, Glasses, Etc. Etc., Etc.

SHIPP & PERRY
PRINEVILLE, OREGON

Professional Cards.

Dr. Howard Gove
Dentist.

Rooms 14 and 15 Adamson Building.

T. E. J. DUFFY
Attorney-at-Law
(Successor to W. A. Bell)

PRINEVILLE - OREGON

J. K. Rosenberg

Physician and Surgeon
Calls answered promptly day or night
Office two doors south of Campbell's
Drug Store. Residence corner
1st and Main Streets.

Prineville, Oregon.

N. W. Sanborn

Attorney-at-Law

Adamson block Prineville

C. C. Brix

Attorney-at-Law
Real Estate

Prineville, - - Oregon

W. P. MYERS
O. C. YOUNG

Lawyers
Practice in all courts. Special attention to water rights, litigation and criminal defenses.
Culver Junction, Oregon

Dr. John Huback,

Late Veterinary Surgeon, U. S. Army,
Department of the Philippines.
All surgical work at reasonable prices.

Hamilton Stables. Prineville, Or.

W. A. BELL
FRANK MENEFFEE

The Dalles Lawyers Oregon

Chas. S. Edwards H. P. Belknap
OCULISTS

Belknap & Edwards
Physicians and Surgeons.
(County Physician.)

Prineville, Oregon.

M. R. Elliott,

Attorney-at-Law

Prineville, Oregon.

Fred A. Rice, C. E. J. B. Neville, Jr., E. M.
County Surveyor. Deputy Co. Surveyor.

Rice & Neville

Civil Engineers.

General Engineering. PRINEVILLE, OREGON.

M. E. Brink

Lawyer

A street, Prineville, Oregon.

Dr. Charles MacFadden

Osteopathic Physician

Hygienic Dietetic and Natural Therapeutics
Employed. Chronic Diseases a Specialty.
Office Over Morris Furniture Store.
Telephone: Pioneer, No. 126.

Crook County Abstract Co.

Abstracts of title in all land and town lots in Crook county.
B. F. Wyde, Secretary, Prineville, Oregon

F. E. Fremont

Architect and Designer.
Late methods in building construction, interior arrangements and decoration.
Headquarters at Oregon Hotel.
Prineville, Oregon.

HAVE YOU
Filed your Deed? Of Course.
HAVE YOU
An Abstract?

Certainly everyone has an abstract now. Do you know where your corners are. Well, No, Not exactly.
Brewster Engineering Company,
Prineville, Oregon, will locate them for you and guarantee the work. Surveying, Platting, Irrigation Engineering. Phone Pioneer 204.

G. A. McFARLANE

Lawyer
Practice in all courts and U. S. Land Office.
Redmond, - - Oregon

Willard H. Wirtz

Attorney-at-Law.
Office in M. R. Biggs' office.
PRINEVILLE, OREGON.

Huntington & Wilson

Attorneys
Of The Dalles, have opened office in Portland, Oregon, Rooms 805-807
Lewis Building.
Business sent to them from Crook County through their office in The Dalles or direct to their Portland address will receive prompt attention. Portland Phone, Main 746.

E. O. Hyde

Physician and Surgeon
CALLS ANSWERED PROMPTLY DAY OR NIGHT
OFFICE ONE DOOR SOUTH OF ADAMSON'S
DRUG STORE. Both office and residence telephones.

Prineville, - - Oregon

Dr. J. Tregelles Fox

M. B. C. S. Eng; and L. S. A. London;
Licence Oregon State Medical Board.
Specialist in Surgery; Hygiene; Allimentary Canal; women and children's diseases.
Office and residence, Main st. Prineville, Or.

Consultation Free Hours 8 to 5

R. D. Ketchum, M. T. D., D. C.

Acute and chronic diseases treated successfully by purely drugless methods
Rooms 16-17 Adamson Bldg. Calls made

O. O. O. NEST NO. 1588

Subordinate
Order of Owls, meet the second and fourth Thursdays in each month at Belknap hall. All migratory owls cordially welcome. T. E. J. Duffy, President; Willard H. Wirtz, Secretary. 1-4t

Home Comfort Range

For sale at the Prineville Furniture Exchange. 1-18

Prineville--Redmond--Sisters Stage Line

Matt Kulesch, Proprietor.

Passenger Fare to Redmond, \$1.50. Express from Redmond to Prineville, one-half cent per pound for over 50 pounds. Small packages of less than 50 pounds, 25c. Leaves Prineville for Redmond Daily. Office at the Pioneer Cream Company.

11-16

S. R. COOPER, Agent