

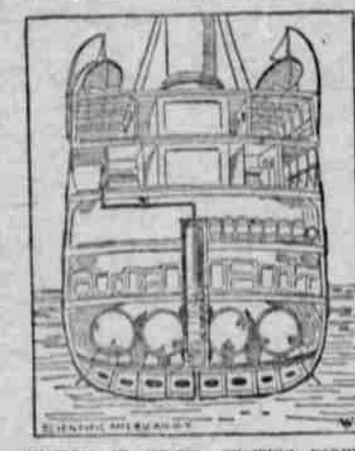
THE PORHYDROMETER.

An Ingenious Apparatus For Weighing Bulk Carriage.

An ingenious apparatus has been perfected by an Italian engineer, Signor Emilio de Lorenzi, the function of which is to indicate automatically the weight of a ship's cargo. This device, which is called the "porhydrometer," is of simple construction and operation and works with remarkable accuracy, the results being within one-thousandth per cent. Moreover, it is easy of installation, so that vessels already in service can be equipped therewith as readily as those in course of construction.

The operation of the instrument is based upon the principle that a body floating in a liquid, no matter what its density may be, displaces a quantity of that liquid exactly equal to its own weight. The apparatus comprises merely a float, or "ascometer," placed in a chamber filled with water, which is in communication with the outside of the ship. Consequently as the vessel sinks deeper into the water while being loaded, or vice versa, when the weight is being discharged, the level of the water in the float chamber must rise or fall in coincidence with the level of the surrounding liquid outside. The float itself being fixed, it becomes more or less deeply immersed in the water in the chamber with a consequent alteration of its apparent weight.

The ascometer is connected and balanced by levers, so that by the adjustment of the balancing weights the volume of water displaced by the ascometer at any particular draft is accurately gauged, the alteration in apparent weight being read on the weighing machine or recording instrument.



SECTION OF VESSEL SHOWING PORHYDROMETER.

and therefrom the weight of any cargo taken on board or discharged is easily determined.

Numerous tests with the apparatus have been carried out in England, and the accuracy of the weight readings, irrespective of the size of the vessel, has been remarkably conclusive. It can be applied to any type of craft with equal facility and infallibility—to a small lighter as easily as to a transatlantic liner. At the present moment arrangements are being made for its installation upon a 10,000 ton vessel. In this case the diameter of the float will be about nine inches. For a small lighter it averages about three and one-quarter inches diameter at the top by about two and seven-eighths inches at the lower extremity. So sensitive is the apparatus that it will indicate the weight of a person stepping on board.

Thus it will be seen that the captain of a vessel always possesses a means of determining exactly the weight he has on board. For those vessels engaged in long journeys, necessitating bunkering at intermediate ports, it is of far-reaching importance, since it enables the captain to ascertain precisely how much fuel he has shipped. This is a valuable point, inasmuch as at many foreign ports short weightings is by no means an uncommon practice, and vessels are often mulcted for a considerable sum per annum in payment for misrepresented quantities of coal.

ELECTRIC COTTON PICKERS.

Machine Gathers and Cleans the Fiber in One Operation.

The electric cotton picking and cleaning machine shown in these illustrations has been recently tried out, with success. It is claimed, in Mississippi, says Popular Mechanics, that the majority of cotton picking machines that have appeared in the past few years, this machine is not an automatic picker, but requires boys or men to handle its picking units. The cotton is extracted from the boll by



SIDE VIEW OF PICKER AND MACHINE AT WORK.

means of an electric brush and suction nozzle and is then carried through a separator, where it is thoroughly cleaned and finally deposited in a basket on the truck. Each man or boy picker carries one of the brushes and nozzles, sixteen of which can be used on one machine.

It is claimed that one picker provided with this electric aid can pick over 500 pounds of cotton a day and that every boll is picked clean. With all sixteen units working the capacity of the machine would be over 8,000 pounds a day. The average negro cotton picker does not exceed 100 pounds a day.

The machine is mounted on a four-wheeled truck and moves along between the rows of cotton under its own power. It is provided with electric lights so that picking can be carried on at night as well as in the daytime.

Don't Read THIS WITHOUT ATTENTION

If you need a watch it would pay you to look over my stock and get prices before you buy or send. Remember, every watch is guaranteed. I would call your attention to my stock of ladies' watches with solid gold cases. Remember, looking over my stock does not cost anything.

I. KAMSTRA.
Elkins' Store, Prineville, Or.

Notice for Publication.

Department of the Interior,
U. S. Land Office at The Dalles, Oregon,
October 24th, 1910.

Notice is hereby given that William Dealy, of Prineville, Oregon, who, on December 24th, 1904, made homestead, No. 13396 (Serial No. 65054), for NE 1/4, SE 1/4, section 33, SE 1/4, NW 1/4, N 1/2, SW 1/4, section 34, township 15 south, range 14 east, Willamette Meridian, has filed notice of intention to make final five-year proof, to establish claim to the land above described, before Warren Brown, county clerk at his office at Prineville, Oregon, on the 21st day of November, 1910.

Claimant names as witnesses: George W. Jones, Bert Wilson, Lilly Curtis, James A. Moffitt all of Prineville, Oregon.
C. W. MOORE, Register.

Notice for Publication.

Department of the Interior,
U. S. Land Office at The Dalles, Oregon,
September 30th, 1910.

Notice is hereby given that Howard W. Turner, of Prineville, Oregon, who, on September 24, 1904, made homestead, No. 13812 (Serial No. 61489) for NW 1/4, SE 1/4, S 1/2, SE 1/4, section 2 and NW 1/4, NE 1/4, section 11, township 15 south, Range 14 east, Willamette Meridian, has filed notice of intention to make final five-year proof, to establish claim to the land above described, before Warren Brown, county clerk at his office, at Prineville, Oregon, on the 15th day of November, 1910.

Claimant names as witnesses: Joel A. Elliott, of Powell Butte, Oregon, Charles A. Graves, George Hobbs, William J. Tanaka, of Prineville, Oregon.
J. W. MOORE, Register.

Notice to Creditors.

Notice is hereby given by the undersigned, administrator of the estate of Oliver C. McDowell, deceased, to all creditors of said deceased, having claims against said deceased to present the same with the proper vouchers to the undersigned at the office of W. R. Elliott in Prineville, Oregon, within six months from the date of this notice.

Dated this 15th day of October, 1910.
D. A. McDowell,
Administrator of the estate of Oliver C. McDowell, deceased.

320 Acres River Bottom Land

I have 320 acres of fine river bottom land, all under cultivation; 300 tons of hay; farm implements of all kinds; two gasoline engines, one 15 h. p. and the other 2 h. p.; 2 centrifugal pumps for irrigation; horses and thoroughbred Jersey cattle, all for sale at a bargain. The entire lot will go at \$32,000. Call on 'phone or write to

T. F. McALLISTER.
9 814
Prineville, Oregon.



Teams Wanted.
For hauling wood. Apply to the Journal office.

For Sale.

640 acres of land on the east side of Powell Butte three quarters of a mile from Crooked River, first class land. Address J. A. WILSON, 1606, Division St., Portland, Oregon.

Jersey Cows for Sale.

For further information, address H. E. RIDGECR, Prineville, Ore. 7-281f

M. ROSENFELD
MERCHANT TAILOR

Suits made to order. First class work. Ladies Tailoring.
Cleaning and pressing. All kinds of attention.

Next Door to Journal Office. Prineville, Oregon.

Contra! Oregon Fair!!
At Prineville, Oregon

October 18, 19, 20, 21, 22, 1910

Over \$2,000 in Premiums and Over \$1,500 in Purses

Three Days of Base Ball

\$350 in purses and a Silver Cup. (Write the Secretary for the conditions in Base Ball Contests.)

Many sports including foot racing for semi-professionals, all distances; bucking contests; saddle horse races, etc., and a baby show.

Good Band Music. A big time for everybody.

Someone will get that \$2,000 for agricultural exhibits. Get a premium list at Adamson's Drug Store and prepare something to take to the fair.

Friday, October 21 is School Day. All pupils in Crook county schools in free on that date. All schools will be dismissed for the teachers institute on that date.

Many people will be at this fair to see what is grown in the country.

We should all unite in getting up a show that will be a credit to our county.

Come! Bring Exhibits!

IF YOU HAVE \$1500 TO \$4000 TO INVEST IN AN AUTOMOBILE AND A BALANCE FOR MAINTENANCE Buy a FORD Touring Car

With all the equipment on it for \$1050 f. o. b. Portland and invest the balance in real estate and give to charity the difference in maintenance. What you get for \$1050 is a car equal in every way except in weight to \$4000 proposition and a car that will take you 25 miles on one gallon of gasoline.

Equipment—Top, Gas Lamps, Generator, Magneto, Two Side Oil Lamps Tail Lamp, Tube Horn, Wind Shield and Speedometer.

Demonstration at your convenience.

C. L. SHATTUCK, PRINEVILLE, OR.
Agent for Crook County.

CROOK COUNTY BANK
PRINEVILLE, OREGON

Capital Stock fully paid.....\$50,000.00
Surplus.....5,000.00
Stockholders' liability.....30,000.00

Statement Rendered to State Bank Examiner March 29, 1910:

| | |
|--|---|
| Assets | Liabilities |
| Loans and Discounts.....\$109,143.10 | Capital stock.....\$50,000.00 |
| County and other warrants.....2,540.00 | Surplus.....5,000.00 |
| Real estate and fixtures.....7,790.94 | Surplus and Undivided profits 70,743.40 |
| Expenses.....1,082.24 | Circulation.....6,900.00 |
| Cash on hand and due from banks \$130,990.78 | Individual Deposits.....603,384.00 |
| | |
| \$202,220.02 | \$202,220.00 |

Rich Mellow Delicious

"I. W. HARPER"
Whiskey

Not to make the tale too long HARPER IS BEST

Sold by **Silvertooth & Browder**
Shaniko, Oregon

Lumber for Sale

We are manufacturers of high-grade Lumber, both Pine and Fir

We have on hand first-class Flooring, Shiplap and Rustic, Etc.

Wood and Slabs

In any quantity

OUR PRICES ARE RIGHT

Wallenburg & Farrer,
Grizzly, Oregon

Mill on Coon Creek, three miles east of Grizzly, Oregon

Wood Choppers Wanted

We can use several wood choppers at once to cut wood on our land. Accommodations good, and cash paid.

Apply at **The Wallenburg & Farrer Mill,**
on Coon Creek, three miles east of Grizzly, Or 9-8

6--Nights Only--6

Beginning October 17, 1910

The Margaret Hles Co.

At the Commercial Club Hall

New Plays--New Scenery

BEGINNING FAIR WEEK

Best Material
Finest Workmanship
Modern Methods and
Correct Mechanical
Principles unite in

The Royal Standard Typewriter

to produce the world's best writing machine, one that has established a new and higher standard of efficiency and economy The Real Standard of today.

The Best Typewriter At the Lowest Price

\$65.00

Local agent for Central Oregon,
J. S. FOX,
Public Stenographer and Bookkeeper, Prineville, Oregon

The First National Bank
Of Prineville, Oregon

At the close of business Sept. 1, 1910

| | |
|--------------------------------------|---|
| RESOURCES | LIABILITIES |
| Loans and Discounts.....\$267,832.45 | Capital Stock.....\$ 50,000.00 |
| United States Bonds.....12,500.00 | Surplus and Undivided profits 70,743.40 |
| Bank premises, etc.....12,533.02 | Circulation.....6,900.00 |
| Redemption fund.....625.00 | Individual Deposits.....603,384.00 |
| Cash & due from banks 389,456.73 | |
| | |
| \$692,977.45 | \$692,977.45 |

B. F. Allen, President
Will Wurzweiler, Vice-President

T. M. Baldwin, Cashier
H. Baldwin, Asst. Cashier

Horses for Sale.

On the old C. Sam Smith ranch, near Prineville, 125 head of mares and geldings, large enough for work horses, will be sold in any number at reasonable prices. For further information address G. H. RUSSELL, Prineville, Oregon. 6-16-ft

Woman Wanted.

Woman wanted to do washing at least one-half day each week. Mrs. J. S. FOX, one house east of Commercial Club. Sept. 29, 11.

Hero Grain Cleaners for Sale.

Two New Hero Grain Cleaners for sale cheap. C. W. ELKINS Co. 9-1

Just Received.

Just received, screen doors, panel doors, sash doors, front doors, windows, tents, camp stoves, stools, tables, cots, hammocks, paints, etc. etc. A. H. Lippman & Co. 6-24f

Fruit for Sale.

Pines and prunes of all kinds at the orchard for 2 1/2 cents per pound. 9-81f H. GIBSON.

Baled Hay for Sale.

Alfalfa and Rye, half mile out on Shaniko road. J. E. ADAMSON. 8-26f

Do You Want a Car

Of course you do. Then buy a **Buick**

You will not be disappointed. J. A. MOORE, agent for Redmond, Madras and Prineville. Will demonstrate the car any time. 5-19

Stub's Place

Successor to Pollard & Henderson

Soft Drinks and Cigars

Always glad to see old friends. New ones welcome. Make my place your headquarters.

D. Quackenbush, Prop'r

For Irrigated Farms and Fruit Lands

IN THE DESCHUTES VALLEY
WRITE
JONES LAND CO
Redmond, Oregon

HARNESS and SADDLERY SHOP

H. D. STILL
Prineville, Oregon

The latest improved—a genuine

EDISON PHONOGRAPH

and records in your own home without cost to you, on ten days Free Trial

The New Edison Fireside Phonograph

\$22.00

Will play 2 and 4-minute records. Fitted with new Cynet Horn. Drop us a postal, or better still, come in and make your own selection of records. The entire list of Amberol records in stock. Easiest of terms.

The Winnek Co.
Prineville, Or.