

## FARM, CITY AND TOWN LOANS

FIVE PER CENT interest, NINE years' time with privilege of paying at any time. Return payments monthly, quarterly, semi-annually or annually, to suit borrower.

FOR PARTICULARS WRITE

**THE JACKSON LOAN AND TRUST COMPANY**  
310 Century Bldg. Denver, Colorado.

## DOES YOUR WATCH KEEP TIME? GRANGE BUSINESS.

If not, we'll cure it, and then you'll wonder why you didn't think of us long before.  
All our work guaranteed. No hasty, slipshod job leaves our shop. Our workmen are skilled and conscientious. You'll not grumble at the prices, either.

**Fred D. Flora**  
191 1/2 Morrison St.  
PORTLAND, OREGON  
(Near Pap's Restaurant)

**BEAVER ENGRAVING CO.**  
QUALITY  
**CUTS**  
DESIGNING, ILLUSTRATING  
FINEST AND CHEAPEST CUTS  
FIRST AND ANCEST 575, PORTLAND, ORE.

SEE CHAUNCEY  
AT LENTS  
For Dry Goods, Groceries, and Light Hardware.  
Foster Road and Main St.

**LUMBER**  
All Kinds of Building Material - Rustic, Flooring, Ceiling and Finishing  
ALL KILN DRIED  
See E. W. MILLER, LENTS  
Wiley-Alton Office  
MILL AND YARDS AT LENTS JUNCTION  
**MILLER-MOWERY LUMBER**  
Company

**GRESHAM HOTEL**  
Under New Management  
Board by the Day or Week  
Rates, \$1 to \$1.50 per Day, or \$5 to \$5.50 per week.  
W. F. GUNN, Prop'r  
GRESHAM, OREGON

The Oregon Agricultural College has planned an extensive Summer School for 1910. In addition to the technical courses in agriculture, domestic science and art and manual training with methods of teaching each, there will be offered special courses for public school teachers in primary, advanced and high school methods. A special feature will be a two weeks school and conference on management.

**POWELL VALLEY**  
Joe Wilcox made a trip to Portland on Monday returning the next day.  
Richard Beadle and family spent a few days at Beaverton the first of the week visiting Mrs. Beadle's brother, Wm. P. Brooks and wife.

**For Sale.**  
The Carpenter place, 40 acres, all clear, fine house and barn; corner Section Line and Reams roads. Inquire on premises or at my Portland office, 213 Couch Bldg. H. M. Barrett.

Another whirl with Richard's orchestra Saturday night, Jan. 22, at Rockwood.  
When you advertise in The Herald you reach the buying class throughout eastern Multnomah county.

Read the "Want Ads." You Want Supplied on page 8.

**General Merchandise**  
New Location - Fresh Stock Daily - Best Brands BUTTER AND EGGS TAKEN  
Cheapest Cash Bargains in the County. Ask about our Prize Offering.  
Agency for Oregon Fire Relief Association.  
**John Brown, - Rockwood**

## TROUTDALE

Troutdale, Jan. 18—Ed Campbell, who suddenly went insane at his home near here on the night of Jan. 11, was taken to the State Insane Asylum on Saturday. The case is an unusually sad one as Mr. Campbell has a wife and three small children, the oldest not yet four years with no means of livelihood except a small farm on Staggerwood mountain. Spinal trouble, with which Mr. Campbell has been troubled for some time, is the cause of the brain trouble, but up to the time of his insanity he has appeared perfectly rational. The family have been attending an Advent protracted meeting for the past three weeks and Mr. Campbell has conceived the idea that the end of the world is nearly at hand. This being his hallucination, he was making all preparations for it and on Wednesday night attempted to take his family out in the cold east wind and snow to warn the neighbors to prepare for the immediate destruction of the world.

Miss Emma Harvey was home from Oregon City where she is employed, to spend Sunday.

C. M. Stillson has returned home from Diamond, Wash., where he has been looking after his interests for the past several weeks.

A. J. Rictor and wife are here visiting Mrs. Rictor's parents, Chas. Rowley and wife. Mr. Rictor has sold his property at Pendleton and is looking for a new location.

Mrs. Henry Richardson has been ill with the grip.

H. J. Wirts and wife have moved from Mrs. Timm's cottage into the Osborne cottage recently vacated by Mr. and Mrs. Coffman.

## LIQUID FUELS COMPARED.

Results of Tests of the Relative Values of Alcohol and Gasoline.

A gallon of denatured alcohol can be made to do the same amount of work in an engine as a gallon of gasoline. Moreover, the alcohol does not produce smoke and is less liable to yield obnoxious odors, but the lower price of gasoline makes it the cheaper fuel. These conclusions, based on the results of 2,000 comparative tests of the two substances as engine fuels, are given in bulletin 392 of the United States geological survey. R. M. Strong, the author of the bulletin, briefly describes the tests, but discusses the more important results at some length. The tests formed part of the investigation of fuels now being carried on by the survey. To determine the relative efficiency and economy of gasoline it was compared with denatured alcohol. In this comparison not only the heating values of the two fuels, but their adaptability to engine use and the effects of variations in fuel quality and in the principal operating conditions, such as load, fuel supply and time of ignition, were carefully studied. Tests were made with gasoline and alcohol in the same engine and repeated in other engines of approximately the same size (ten and fifteen horsepower) and the same piston speed, with different degrees of comparison, different methods of governing and different combustion.

## The Oxygen Blowpipe.

A recent peculiar bit of engineering work at Netherthorn, England, was made possible by a new scientific appliance. At the Pearson furnaces the piston rod of a large vertical blowing engine was so bent in an accident that its removal from the cylinder seemed impossible. The director of an oxygen supply company was called, and by means of the oxyhydrogen cutting blowpipe the piston rod, seven inches in diameter, was cut off close to the gland of the cylinder, the operation occupying only thirty-five minutes. The task was a very difficult one, as the cut had to be made at considerable height overhead, with the burning metal dropping down and repeatedly setting fire to the wooden stage necessary.

## How to Temper Springs.

Heat the spring to a hardening color, taking care not to burn the metal, and quench in oil. As soon as the metal has cooled so it does not "sizzle" put the spring back into the fire and keep it there just long enough for the oil to burn off. Then quench in water.

This method is applicable to all springs and especially small flat springs. This is a simple method and one to be depended upon and can be done anywhere with a stove fire and a little oil.—Popular Mechanics.

## Heat From Rain.

Messrs. Muntz and Gaudelochon have recently experimented in France on the heat imparted to the soil by rain, which they think may play a part hitherto unrecognized in the phenomena of vegetation. When the soil has reached a certain degree of dryness the application of moisture produces a rise in temperature, which is greater in proportion to the fineness of the materials. Coarse, sandy soil is not heated by contact with moisture, while soil composed mostly of humus is especially subject to such influence.

## Holding a Screw.

A piece of sheet lead put on each side of a screw will fill up and hold the threads in a too large hole.

## FAIRVIEW

Fairview, Jan. 18—W. E. Stone was out from Portland to spend Sunday with his parents, A. L. Stone and wife.

Earl Tegart was out from Portland to visit his parents Sunday.

G. R. Stella has gone away on his duties as agent for the Salem Nursery Company, after spending several days at his home here.

Miss Della Robins was home from Oregon City where she is employed, to spend Sunday at her home here.

W. Roads and family left on Sunday for Wyeth to make their future home.

Miss Vernie Dawson of Cascade Locks visited friends here the latter part of last week.

Miss Calla Heslin of Portland spent the week-end with her parents here.

Misses Daisie and Aita Wilcox were out from Portland for a visit with their parents Sunday.

Rev. G. R. Cromley returned to his home at Springwater on Monday after a week's stay here.

D. R. Thompson and bride of Portland visited Mrs. Thompson's parents, J. P. Heslin and wife, the last of the week.

Mrs. H. Hatcher and son of Hubbard are spending a few days with her daughter, Mrs. W. J. Jungnickel, here while Mr. Hatcher and Mr. Jungnickel are looking for a new location.

H. S. Stone has been very ill for the past few days.

Rev. S. H. Bettes will preach his famous sermon on "Jonah and the Whale," in the M. E. church next Sunday evening.

Rev. D. Turner will occupy the pulpit for the 11 o'clock sermon.

Mrs. H. C. McGinnis will entertain the Ladies Society of Smith Memorial church on Thursday afternoon.

## A New Breed of Corn.

Last year a small lot of shelled corn of a kind new to this country was sent to the department of agriculture from Shanghai, says Scientific American. It proved to have qualities that may make it valuable in breeding a corn adapted to the hot and dry conditions of the southwest. The plants raised in the test averaged less than six feet in height, with an average of twelve green leaves at the time of tasseling. The ears averaged five and one-half inches in length and four and one-third inches in greatest circumference, with sixteen to eighteen rows of small grains. On the upper part of the plant the leaves are all on one side of the stalk instead of being arranged in two rows on opposite sides. Besides this, the upper leaves stand erect instead of drooping, and the tips of the leaves are therefore above the top of the tassel. The silks of the ear are produced at the point where the leaf blade is joined to the leaf sheath, and they appear before there is any sign of an ear, except a slight swelling.

## Street Railways of India.

The Electric Railway Journal calls attention to the many problems which arose in modernizing the traction system of Bombay. As the average daily income of the inhabitants is but 25 cents, 5 cent fares are out of the question. The fare is 2 cents for a seven mile ride, while the average fare is 1 anna, or 11-3 cents. In order to withstand the ravages of insects special varieties of wood had to be used in the cars and track system. Even the overhead system had to be modified so as to permit of the passage of the tall shrines used by the natives in their religious pilgrimages.

## Uncle Sam's Highest Mountain.

If most Americans were asked which is the highest mountain in the United States they would probably answer Mount Rainier. As a matter of fact, the honor belongs to Mount Whitney, which exceeds Mount Rainier in height by less than 200 feet. The summit of Mount Rainier is 14,363 feet above mean sea level, and that of Mount Whitney, by checked leveling, is 14,501 feet above mean sea level.—Scientific American.

## To Remove Paper From Stamps.

Old stamps as they are purchased usually have a part of the envelope from which they are taken sticking to them, and in removing this paper many valuable stamps are torn or ruined. Place all the stamps that are stuck to pieces of envelopes in hot water, and in a short time they can be separated without injury. Dry the stamps between two white blotters.

Man is born to trouble and madly rushes forward three steps at a time to claim his inheritance.

Sometimes, it is safe to suppose, the reason a lot of people are looking miserable and cast down is because his Satan-like majesty has been round collecting dues.

It is always easier to tell how things should be done than it is to pay the bill for the doing of them.

A dollar is worth much or little, all depending upon how much it made you flinch or sweat in the earning of it.

Some men conserve their affections so skillfully that it is hard to believe that they really have any.

## BANK OF TROUTDALE

TROUTDALE, OREGON

... YOUR HOME BANK ...

Will pay you 3% on 6 months' deposits, 4% on 12.

Check Deposits Solicited. Money Loaned.

Drafts and Letters of Credit Issued.

Tax Statement on application.

## LUSTEDS

G. Moulton, wife and family and Mr. and Mrs. Frank Linneman of Portland, who is visiting her sister, Mrs. Moulton and also Guy Robertson and Marion, were the guests of E. D. Hamilton and family last week.

George Lusted and wife visited with Nick Ranw last week.

Mr. Erz and son, Milton, are practicing for the drama which will take place in the near future at Pleasant Home.

There was a surprise party at the residence of Mr. and Mrs. Ralph Neibauer Saturday night in honor of their 15th wedding anniversary. Games and music was the features of the evening after which a dainty lunch was served. All present departed expressing themselves as having a good time.

Louis Miller of Pleasant Home is cutting wood for Ralph Neibauer.

Mrs. Heacock and her daughter, Pauline, made a business trip to Portland Saturday and on their return visited relatives in Damascus.

Frank Clark and wife and Emmett Kelley were visiting W. Lusted recently.

## Snaps at Carlson's.

Who carries carpets, rugs, matting and linoleum in all patterns? R. E. Carlson, of course. He has everything that any up-to-date house furnishing establishment has, and if you want to get some real snaps keep track of his prices during the month of February. When he says snaps it means something.

## CEDARVILLE

D. McMillan intends to sell or rent his place by spring.

Mr. Davis is thinking of going back East.

Mr. Cromwell intends to keep a supply of spices and extracts from the Union Tea Company.

Mrs. Cornutt and children will soon leave for Eastern Washington on a visit to her folks. A. Cornutt will visit in Southern Oregon.

## PLEASANT HOME

Jesse Elmer Bailey of Pleasant Home died Friday morning at 2 o'clock. He was born at Geneva, Neb., August 4, 1888, and died Jan. 14, 1910. He died of pneumonia, being ill about a week. The funeral was held on Sunday from the home of his grandfather, William Wolfe, the address being given by Rev. Wolfe. The remains were laid to rest at Douglas cemetery at Troutdale.

Lots for sale in Cedarville, on easy terms. H. W. Snashall, Pleasant View Avenue; Gresham, Route 3.

**Folger's Golden Gate Coffee**

Quality—clean—perfect

Your grocer will grind it—better if ground at home—not too fine.

## MELROSE

The young people have organized a Tuesday Evening Club for social enjoyment. A musical and literary program is given and the club paper read.

James Menzies is visiting his daughter, Mrs. Strebin. We are glad to report that his health is much improved.

Those who went to Portland to hear Harry Lauder were: Mr. and Mrs. H. J. Wallace, Mrs. McKay, Nettie Bucklin, W. H. Cavanaugh and W. E. Harvey.

The Helping Hand Society met with Mrs. Henry Jones on Thursday afternoon. There was a large attendance and good work was accomplished.

Mrs. Schmeer and daughter, Hazel, are visiting Mrs. E. E. Baker.

Little Ralph Baker, who had an operation for rupture a month ago, is now with his grandma, Mrs. John Law in Portland. He is steadily improving and it is hoped he will soon be well.

During the slippery weather Monday Rev. J. H. Wood fell while passing through some brush. A small twig pierced his eyeball, causing a painful wound. Dr. Short, who attended him, thinks the eye will not be permanently injured.

Mrs. E. A. Stafford is visiting her daughter, Mrs. H. Richardson, who has been very ill.

Mr. Randall, who is living on the W. B. Jones homestead, has bought ten acres of land near Troutdale.

J. W. Wheeler is foreman of the Cedar Farm owned by Emil Oleson.

The Herald, \$1 a year.

## Benecke

Has the Goods! New Stock; Fresh, Clean, Attractive Line of Groceries, Boots and Shoes, and Notions of all kinds.

Fairview's Leading Merchant

## CHOPPING AND ROLLING

Grist Taken at any Time—Quick Delivery.

WE CARRY A FULL LINE OF MILL FEED

Market Price Paid for Grain

**SUN-DIAL FEED MILL**

FAIRVIEW,

OREGON