

IF you have never used Electric Lights, you cannot fully appreciate their superiority; if you have always used them, you are apt to accept them as a matter of course; but if you have used them and then, for some reason, are forced to do without them--THEN you will realize how much their brilliance and convenience meant to you, You needn't do without them in La Grande, however, for our service reaches everywhere, and our rates place Electric Light within the means of all.

Eastern Oregon Light & Power Co.
"always at your Service"

Drink SAM-O Natural Mineral Water
and
You'll Know! the Joy of Living

TRANSFER AND DELIVERY PIANO MOVING A SPECIALTY

W. E. McClure & Co.

PHONE MAIN 10.

LA GRANDE.

THE TELEPHONE

By furnishing quick service in communication multiplies a man's capacity and makes it possible for the business man to transact more business.

EVERY TELEPHONE A LONG DISTANCE STATION

HOME INDEPENDENT TELEPHONE SYSTEM

Diamonds and Watches

SEE THE FINEST SELECTION OF BLUE WHITE PERFECT DIAMONDS EVER CARRIED BY ANY JEWELRY FIRM IN EASTERN OREGON.

WE BUY ALL OUR DIAMONDS DIRECT FROM THE CUTTER THUS SAVING THE CUSTOMER THE JOBBER'S PROFIT. EVERY STONE GUARANTEED ABSOLUTELY PERFECT. WE WILL SAVE YOU MONEY.

A FULL LINE OF WALTHAM, ELGIN, ILLINOIS, HAMILTON AND SOUTH BEND WATCHES ALWAYS IN STOCK AND CAN GUARANTEE MEETING ANY EASTERN CATALOG PRICE.

J. H. PEARE & SON

Manufacturing Opticians and Jewelers.
Adams Ave.

Optical Department in charge of Attendants Graduate of Northern Illinois College of Optometry.

LOCAL WIRELESS PLANT ANNIHILATES MUCH SPACE

Message Sent Out From San Francisco Readily Received In Amateur Plant In La Grande.

La Grande is closer to the rest of the world than most of the citizens are aware. It is not by reason of the railroad system, good as that is, nor by reason of the long distance telephone, quick as that method of communication has become. All of these means of communication pale when compared to the system of making the ether the medium of thought transference. Residents living in the west part of the city have seen the poles and the wires of La Grande's wireless apparatus, but have never been made aware of the fact that all communications that are sent out within a radius of 2000 miles are caught by this system and acquaint the operator with the newest happenings of the world. One would suppose that by reason of the hills lying around the valley like a huge barrier this communication could not take place. But the hills are no impediment to the secrets of electricity. Distress signals coming from a ship in dire straits come to this man of La Grande and before the United Press flash the news over the country over many miles of wire and click it off on a telegraph instrument, this man knows the gist of the happening. From San Francisco he gets reports that would make money to one relying on quick changes of the market. He knows of the approaching storm or the sudden change in the weather, but as valuable as the information might be to some one he is not licensed to divulge the contents of his messages to the public. This is one of the factors that tells the inquiring man that the science is still in its infancy and that the government must step in and put restrictions upon the sacrificing genius of some young amateur lest the companies that have spent vast sums of money in the equipment of big plants be robbed of the emoluments of the business by having amateurs pick up and sell to the public statements that are for particular persons. In other words it means that they have not succeeded so far in that they have not succeeded so far in sending the message to one particular station without running the risk of having everybody with an equipment catch up the same message.

In the corner of a bedroom can be found this machine, and in the home of a local optician, O. M. Heacock, living on East Main street.

As far as the equipment is concerned it is just as complete as that of any Marconi station, the only difference being that the latter is vastly more powerful and capable of sending a message a greater distance.

For the purpose of giving the lay mind some kind of an idea how wireless messages are sent, the Observer sent a man to interview the owner and get a brief description of the machinery. The sending apparatus consists of a key like the one used in every telegraph office. On an upper shelf is placed a transformer, better called an intensifier, the purpose of which is to intensify the current and store the storage battery with power. This battery in turn charges the wires with electric life. When this has been done, which requires but an instant, the operator is ready to send his dots and dashes. These dots and dashes cause vibrations of the ether and are transmitted according to their intensity in every conceivable direction, just like the waves of the air. On this same shelf there is a small machine having a rotary wheel with cylindrical plugs in it.

When the key is clicking off the dots and dashes a greenish spark is seen to cross from the rapidly rotating wheel. A constant hum as of some kind of buzzing is the result.

The receiving machine is different. In the first place there is a contrivance that enables the operator to discover if there are any other waves. By adjusting the same he is enabled to intensify the report or to diminish it.

Another machine called a tuner is an instrument consisting of a number of rounds of wrapped copper wire around a cylinder. The purpose of this instrument is to equalize the wire length of the sending station with that of the receiving station by moving a small hand like indicator on the wrap-

ped cylinder to increase or decrease the length.

Most of the machinery has been made by Mr. Heacock himself and operates perfectly. During the interview he connected with Ed Riesland of La Grande who is also operating a wireless outfit and the transmission worked like clock work.

There are wireless stations in Milition, Pendleton, Walla Walla, Union, North Powder and Halfway, all of which are in communication with the local station. They are licensed amateurs and cannot engage in any kind of commercial communication without getting a special permit.

The local station has a receiving capacity of 2000 miles and a sending capacity of 50 miles and more. In the near future Mr. Heacock intends to raise the poles of his outfit to increase the sending capacity. He calls it his plaything but understands all of the fine points.

IF KIDNEYS AND BLADDER BOTHER

Take Salts to Flush Kidneys and Neutralize Irritating Acids.

Kidney and Bladder weakness result from uric acid, says a noted authority. The kidneys filter this acid from the blood and pass it on to the bladder, where it often remains to irritate and inflame, causing a burning, scalding sensation, or setting up an irritation at the neck of the bladder, obliging you to seek relief two or three times during the night. The sufferer is in constant dread, the water passes sometimes with a scalding sensation and is very profuse; again, there is difficulty in avoiding it.

Bladder weakness, most folks call it, because they can't control urination. While it is extremely annoying and sometimes very painful, this is really one of the most simple ailments to overcome. Get about four ounces of Jad Salts from your pharmacist and take a tablespoonful in a glass of water before breakfast, continue this for two or three days. This will neutralize the acids in the urine so it no longer is a source of irritation to the bladder and urinary organs which then act normally again.

Jad Salts is inexpensive, harmless, and is made from the acid of grapes and lemon juice, combined with lithia and is used by thousands of folks who are subject to urinary disorders caused by uric acid irritation. Jad Salts is splendid for kidneys and causes no bad effects whatever.

Here you have a pleasant, effervescent lithia-water drink, which quickly relieves bladder trouble.

Loss of Appetite.

Is the first signal of disorder and decay. The usual loss of appetite is often caused by functional disturbances in the stomach. The stomach fails to do the work required, the appetite is gone, and the body suffers from lack of nourishment. Such a stomach needs to be cleaned and sweetened. Meritol Tonic Digestive is made especially to assist the stomach to digest food, and promote a healthy appetite. This remedy is sold on our positive guarantee, and we ask you to give it a trial. It is a genuine tonic. Sole agents, Newlin Drug Co.

Deafness Cannot Be Cured

by local applications, as they cannot reach the diseased portion of the ear. There is only one way to cure deafness, and that is by constitutional remedies. Deafness is caused by an inflamed condition of the mucous lining of the Eustachian Tube. When this tube is inflamed you have a rumbling sound or imperfect hearing, and when it is entirely closed, deafness is the result, and unless the inflammation can be taken out and this tube restored to its normal condition, hearing will be destroyed forever; nine cases out of ten are caused by Catarrh, which is nothing but an inflamed condition of the mucous surfaces.

We will give One Hundred Dollars for any case of Deafness caused by catarrh that cannot be cured by Hall's Catarrh Cure. Sent for circular, free. F. J. CHENEY, & CO., Toledo, Ohio. Sold by Druggists. This Hall's Family Pills for constipation.

A Greatly Desired Lady.
It would appear from bits of the social gossip of her day that Miss Burdett-Coutts' nearest approach to an occupation was refusing offers of marriage. It is stated in "Intimate Memoirs of Napoleon III." that the name of the "prince of adventurers" was connected with hers, that she refused the Duke of Wellington and a score of lesser gentlemen.

For years the great heiress was the most glittering matronial prize in England, and when at last she consented to change her condition by marrying an American a London club wit struck a responsive chord by observing: "I don't blame Ashmead Bartlett for proposing to the heiress. I've done it myself. I regard it as a duty every Englishman owes to his family."

The Air Man's Dream.
A French aviation expert is of opinion that the day will come when communication between the earth and the moon and stars will be possible in aeroplanes. Pondering that notion in one day faced in larger quantities and, through some way of harnessing the energies discovered by scientists, he calculates that an aeroplane weighing a ton should be able to cover the 238,855 miles which separate the earth and the moon in three hours and five minutes. About 200 pounds of radium would be necessary to provide the fuel for the journey. At the current price about \$10,000,000,000 worth would be required.

Trips to certain of the stars he considers equally practicable. - London Tit-Bits.

Ants Walk on Water.
It may not be new to observers of animal life, but I have been much interested in watching the common house ant here in Rio de Janeiro. We have an American fly trap. The sugar was one day covered with ants, so I placed the trap on a finger bowl standing in a plate of water. The ants when they came to the edge of the water ran around the bowl until convinced there was no way across, and then calmly took to the water and ran across it by aid of surface tension without getting their feet wet. Having presumably been home to the nest, they returned for more sugar, crossing in the same way, and this went on regularly, a steady procession crossing the water. - Nature.

A Fair Proposition.
The manufacturers of Meritol Rheumatism Purgers have so much confidence in this preparation that they authorize us to sell them to you on a positive guarantee to give you relief in all cases of Rheumatism or

FALLING HAIR

Is Easily Stopped; Also Dandruff and Itching Scalp—Use Parisian Sage.

Since Parisian Sage, the remedy that removes dandruff with one application, has been placed on sale thousands of purchasers have found that dandruff is unnecessary, that falling hair and itching scalp can be quickly stopped and that hair which is brittle, matted, stringy or dull and faded, can be made soft, fluffy and abundant.

To everyone who wishes to eradicate dandruff, stop falling hair and have an immaculately clean scalp, free from itchiness, Newlin Drug Co. agrees to sell a large fifty cent bottle of Parisian Sage with a guarantee to refund the money if not satisfied. It is an ideal, dainty perfumed hair tonic, free from grease and stickiness. Delighted users pronounce Parisian Sage the best, most pleasant and invigorating hair tonic mare. Newlin Drug Co.

refund your money. This is certainly a fair proposition. Let us show them to you. Write to agency, Newlin Drug Co.

La Grande Taxi and Touring Car Service

Four good cars available day and all night for city and country driving, and to surrounding towns, charges reasonable. Experienced, licensed chauffeurs always on job. Call Summer House or Foley Hotel.

J. D. LYNCH

How About Your Home Water Supply?

IS IT PURE—PLENTIFUL—DEPENDABLE—ECONOMICAL? Supply your home with all the pure, clear, sparkling water you need—direct from well or spring, by the Perry System. No water tank to collect slime, mud or rust. Compressed air delivers fresh water under the pressure and in quantities you need. Automatic—economical in operation, easily installed. Water left in well until you need it—then drawn fresh.

Call and Get Copy of the Perry Book or let us send it to you. We want you to know all about the merits of this up-to-date system of water supply. The Perry System has more advantages than any other—is just what you need. It will give you water for drinking, kitchen, laundry, bath, barn, sprinkling and fire protection.

FOR SALE BY **BAY & ZWILLER**

Fourth Street Grocery

We handle Preferred Stock and all staple groceries. Fresh fruit and vegetables when in season. We have our own delivery.

CLAPP & CHARBONEAU
PHONE RED 1951. OPPOSITE HIGH SCHOOL.

MAKE A NOTE

of the fact that an abstract is an absolute necessity when you purchase real estate.

No matter how well posted you might be—you don't have a full history of the parcel, as you do when we make an abstract of it. Accuracy guaranteed.

THE ABSTRACT & TITLE CO.
Foley Hotel Building

Monuments

LATEST DESIGNS

Made in La Grande.

E. C. DAVIS

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Best Building Material

Known

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