

WHAT AN OREGON CITY DID WITH A MOUNTAIN STREAM

IF YOU should ever visit the city of Ashland, which cozily nestles in the foot-hills of the Siskiyou Mountains in Southern Oregon, the first thing to attract your attention would be the beautiful mountain brook of Ashland Park. Its birthplace is some thirteen miles distant in the eternal snows, skirting the summits of Ashland and Wagner Peaks, which raise their heads more than 7,000 feet above sea level.

Falling 6,000 feet in thirteen miles it is a tumultuous stream of laughing, leaping water, flashing and sparkling in the sunlight and darkening in the shade, tossing its mane of snow, foaming flakes over the granite rocks and lichen boulders in resentment of the restraint that impedes its progress and that oftentimes holds it back in bubbling, eddying bays where lurk the speckled trout over the golden gravel.

The people of Ashland delight to explain to the visitor how happily the town is situated, and point with pride to Ashland Creek, the finest stream in the Siskiyou range; for this little stream not only provides pure, wholesome water to drink, but also furnishes power for street and domestic lighting and such mechanical purposes as may be desired.

There can be no pollution of the water since the timbered canyon through which it flows is included in the Crater Lake National Forest Reserve, as well as in large tracts of land in Ashland Canyon owned by the city itself. There is no city in the West so completely possessed of its water supply and water power as is the city of Ashland. The forest reservation and the lands owned by the city insure the preservation of the sylvan beauty and primitive wildness along the regions of the head waters and along the course of Ashland Creek.

Although the city of Ashland has used the waters of Ashland Creek as a water supply for several years, it has only been three or four years since the city decided to own and operate a hydro-electric plant of its own, using the falling waters of the creek as the source of energy. For many years no one seemed to realize the wonderful power that might be developed from the little stream with a minimum flow of only ten second feet. It was only after some enthusiastic engineer showed the possibilities of the plan of harnessing the stream that the city finally decided upon taking the step.

Following up Ashland Canyon about six miles, along a beautiful road that crosses and recrosses the sparkling stream, one comes to the forks of the creek. A short distance above the forks, two concrete diversion dams are built so as to catch the entire flow.

Twenty-four inch wood stave pipes pass from the intakes to the forks and there connect with a "Y" to a single 24-inch wood-stave pipe which leads along the side of the canyon in a trench blasted out of the rock for a distance of about three miles. This pipe has a gradient of about 30 feet to the mile, so that it is capable of carrying the entire flow of the two branches of the stream. In some places the pipe-line is carried as an inverted siphon over deep gulches on beautiful trestles, but for the most part, it is laid in a trench and covered over.

The diversion dams are of flow type, and are also provided with flushing gates so as to carry away any sediment which would tend to lodge behind the concrete walls. The intake is provided with a screen and a valve which may be used to cut the water off when necessary to empty the pipe line.

At a distance of about three miles from the intakes, the wooden pipe line turns abruptly down the side of a canyon for about 100 feet, where it connects with a 24-inch riveted steel pipe which continues down the side of the canyon to the power house. At the point where the wood pipe curves downward there is a "T" connection and a standpipe is carried from this point up the canyon side to a point whose elevation is that of the breast of the diversion dams. The purpose of this standpipe is to take up any shock which would occur by the too sudden closing of the valve at the power house. As will be seen there are no reservoirs, excepting the very small ones at the intakes, and the operation of the plant, therefore, depends upon the direct flow, which, at a minimum, provides about ten second feet—enough to generate nearly 400 horsepower at the power house.

The total head is 415 feet and the effective head 405 feet. This great head is the reason so much power is obtained from so small a volume of water, for the impact of the stream as it comes from the nozzle almost as solid as iron, against the blades of cups of the Pelton waterwheel, is something terrific.

The power house is a beautiful little structure with concrete and stone base and brick walls. The inside dimensions are 50 feet long and 32 feet wide with 16 foot ceiling. It is very well lighted and ventilated, and the construction, as a whole, is of the very best. The power equipment, which is very judiciously placed, is up-to-date in every respect. It consists of a single unit, namely, a dynamo, whose revolving field is directly connected to the water wheel shaft. The water wheel and therefore the generator field has a speed of 300 revolutions per minute. Both the waterwheel and generator set upon a single bed plate, making the unit absolutely rigid. A belt carried from a pulley on the other end of the water wheel shaft, connects with a Pelton oil governor which actuates a hood, thus cutting off the water from the nozzle when the wheel tends to revolve too rapidly, bringing the unit down to normal speed. Besides the automatic control, there is a hand

control which operates a needle. There is hardly a home in the city which does not use the energy developed in this little power house. Besides, the city's streets are lighted at a very small cost. Small factories, dairies, canneries, etc., use a considerable amount of the power as a day load so there is need for continuous service.

An engineer visiting this very unique little plant would doubtless find fault with the single unit construction. As a rule, the single unit does not give the guarantee of continuous service which one would like to have. However, the people of Ashland expect to supplement the present power plant with another of about 200 horsepower, making a total of 600 horsepower snatched from the little stream. This is how they expect to do it.

When the water, which rushes down the steel pipe, has spent its energy on the water wheel it drops through a tall race and a part of it flows into a nearby settling basin whence it flows to the city in a twenty-four-inch steel pipe line, furnishing the water supply of the city. As only a small part of the water is actually used for the houses, streets and lawns, the rest of the water flows merrily onward down the canyon. A measuring weir indicates the amount of water which actually goes to waste. It is proposed to carry this excess of water through a wood-stave pipe line along the edge of the canyon, and drop it through another steel pipe. Here another power house will be built on similar lines as the one already described, and 200 horsepower more will be at the city's command. Besides, increasing the total output of the stream, there will be a guarantee of continuous service even if one of the units should be compelled to close down. But to be sure that power service will be continuous, the city has arranged with the company that has been supplying the power, to give them continuous service in case anything should happen to the municipal plant.

It may be said that Nature has placed within easy reach of Ashland everything that goes to make life truly worth living—the wonderful wooded mountains abounding in game, and the streams alive with fish, a perfect climate and a beautiful country.

BRIEFS OF BANDON.

News of City-by-the-Sea as Told by The Recorder.

Smith Bros. and Neuman report the saw mill business out their way as moving along nicely. They have a mill with a capacity of about 20,000 feet a day.

Carl Roy Wren, six-year-old son of Capt. and Mrs. O. Wren of the Bandon Light House, died yesterday at 11:30 o'clock. Death was the result of diabetes which had been of about two months' duration.

As a result of the dispute over the ownership of a calf, which was sold to Geo. Erdman last Saturday, Mrs. C. Ledgerwood and C. H. Chandler swore out warrants of arrest against J. L. Conger for stealing the calf and against Geo. Erdman as an accomplice. It seems that the calf had been at the Ledgerwood farm for some time, but Mr. Conger claims the calf belonged to him and that he turned it out when a month old, and at the proper time he butchered it and sold it to Mr. Erdman for his meat market. Mr. Chandler, seeing the calf hanging in the market, claimed it as having belonged to Mrs. Ledgerwood; hence the difficulty, and now it will be necessary to prove to whom the calf really belongs.

One New York woman admits that she spends \$6,000 a year on facial massage. The mere thought of that expense would give some Coos Bay women wrinkles.

NOTICE CALLING FOR A NOMINATING MEETING OR CAUCUS FOR THE NOMINATION OF CANDIDATES FOR THE OFFICE OF MAYOR, COMMON COUNCILMEN AND OF RECORDER.

Notice is hereby given that by order of the Common Council of the City of Marshfield, Coos County, Oregon, duly made and entered on the 17th day of October, 1911, a nominating meeting or caucus will be held in Odd Fellows hall in said city on Monday, the 20th day of November, 1911, at the hour of eight o'clock in the afternoon of said day, for the purpose of nominating candidates for the following offices: a mayor of said city to serve for the term of two years commencing the first Monday in January, 1912; two members of the common council of said city to serve for the term of three years each commencing the first Monday in January, 1912; a recorder of said city to serve for the term of one year commencing the first Monday in January, 1912. Said candidates to be voted on at the regular annual municipal election of said city to be held Tuesday, the 5th day of December, 1911.

Dated this 9th day of November, 1911.

JOHN W. BUTLER,
Recorder of the City of Marshfield,
Coos County, Oregon.

First Class Auto Service

When you want to go anywhere in a hurry Try FOOTE'S AUTOS. Best rates in the city. BEST CARS. Best drivers. Phone 66-J until 11 p. m., after 11 p. m. phone 5-3. Residence phone 28-J.

D. L. FOOTE, Proprietor.

A RICH SECTION

"The largest and the richest undeveloped section of the United States, outside of Alaska, is Northern California and Southern Oregon, which includes Mendocino, Humboldt and Del Norte counties in California, and Curry, Coos, Douglas, Josephine, Jackson and Klamath counties in Oregon." This statement was made to the Rogue River Courier by John T. Flynn, consulting engineer of the Pacific Coast Harbor League of California, who spent a few days in Grants Pass lately.

Speaking of the possibilities of the Panama canal, he says: "The completion of the canal will witness a revolution of the transportation business of the world, and there will be no section where its influence will be more marked than in the seaboard states of California, Oregon and Washington."

"The 1,500 miles of coast line, embracing these states, will be the scene of the greatest industrial development the world has ever seen. All of the great valleys of California, Oregon and Washington, which lie parallel with the coast at a distance varying from 50 to 150 miles, will be tapped by short railroads to the coast ports, where the products now carried on the long rail haul of \$26 per ton will be delivered to the Panama canal steamer at a cost of less than \$5 dollars per ton. This means that both the Hill and Harriman lines will seek short down hill lines to the coast for the low grade products, leaving the main lines for the transportation of high class freight and passage."

"With smelters, and custom mills established, millions of tons of copper and gold ores, now worthless by the absence of transportation other than wagon haul, would not only yield a handsome return to the owners, but afford employment to thousands of miners and thus transform idleness into industrial activity. Add to this, the lumber possibilities, as well as the choice fruit land and agricultural land, now vacant in the territory, to say nothing of the great empire of the Klamath country, and one can understand why Hill and Harriman railroads now in Southern Oregon, are jealously watching each other. These great systems, operating within 100 miles of the ports of the Pacific, must either grasp the opportunity now afforded, or prepare to see others do so, because the Panama canal ship has come to stay."

USE OF A DOLLAR.

Ten years ago a Kansas farmer put his initials on a dollar. The next day he went to the nearest town and spent it with a merchant. Before the year was out he had got the dollar bill back. Four times in six years the dollar came back to him for produce, and three times he heard of it in the pockets of his neighbors. The last time he got it back was four years ago. He sent it to a mail order house. He has never seen that dollar since, nor never will. The dollar will never pay any more school or road tax for him, will not build or brighten any of the homes of the community. He sent it entirely out of the circle of usefulness to himself and his neighbors.—Ex.

If you have anything to sell, trade, rent, or want help, try a want ad.

After the show try a Turkish Bath Phone 214-J.

Try The Times' Want Ads.

YOUR DRUGGIST STOPS THAT ITCH

If you are suffering from Eczema, Psoriasis or any other kind of skin trouble, drop into our store for instant relief. We will guarantee you to stop that itch in two seconds. A 25c trial bottle will prove it. We have sold other remedies for skin troubles, but none that we could recommend more highly than the well known compound of Oil of Wintergreen, Thymol and a few other ingredients that have wrought such wonderful cures all over the country.

This compound, known as D.D.D. Prescription, will cool and heal the itchy, burning skin as nothing else can. Get a regular bottle and see—on our no-pay offer.

Red Cross Drug Store.

City Auto Service

Good Cars, Careful Drivers and reasonable charges. Our motto: "Will go anywhere at any time." Stands—Blanco Hotel and Blanco Cigar Store. Day Phones—78 and 46. Night Phone 46.

BARKER & GOODALE, Proprietors.

We Clean and Press Ladies' and Gent's Suits

Goods Called for and Delivered

Coos Bay Steam Laundry

PHONE MAIN 57-J

MEN of ideas, who have some inventive ability please write GREELEY & McINTIRE, Patent Attorneys, Washington, D. C.

CHILD SACRIFICED EVERY 20 MINUTES

"Being Baby" is Hazardous According to the Welfare Exhibit Maxims KANSAS CITY, Nov. 9.—"Every 20 seconds a child dies in the civilized world of preventable diseases."

"Being baby is an extra hazardous occupation."

"An open window is cheaper than a closed grave."

"If your milkman brings you warm milk, make it hot for him. Call the board of health."

"Warm rooms have killed more persons than ever froze to death."

"When you see a child looking like an angel, don't kiss it, you might make a real angel of it."

These maxims have been adopted by the city board of health to be used at the child welfare exhibit which opened at Convention hall, November 3. Its aim is to set forth in the most graphic manner possible the ravages wrought among children by preventable diseases and to instruct parents in preventives.

CONTINUED AS PASTOR.

Church Tables For, Time Resignation of Richeson.

CAMBRIDGE, Mass., Nov. 9.—While women cried and pleaded that nothing be done that might appear in any way prejudicial to his interests, members of Immanuel Baptist church society voted not to accept at this time the resignations of Rev. Clarence V. T. Richeson, pastor of the church, now in jail on a charge of murdering Avis Linnell. It was decided to lay the matter on the table until November 24th.

A TURKISH BATH will do you GOOD. Phone 214-J.

RAYMOND'S DANCING SCHOOL

ODD FELLOWS HALL
Opening date **SATURDAY, NOVEMBER 11**, afternoon 2 to 5 evening 7:30 to 10:30.

—Introductory Remarks—

In opening this school for the coming season we assure you every care will be taken to maintain a school of the highest possible standard.

Prices for Term of Eight Lessons: Juveniles, \$4.00; Children, \$4.00; Ladies, \$4.00; Gentlemen, \$6.00. Private lessons, one hour, \$1.00.

Waltz, two-step, three-step and one other dance guaranteed in course.

Class instruction by term only. Private classes may be formed.

New Dances for the season to be included in the course are the Dainty Step Caryle, the Imperial and Military three-step, and others.

Ladies Recreative Classes may be formed for a course in health-giving exercises, including Aesthetics, National court and Folk dances.

A New Feature.

Children's Grand Mask Ball. All children given one hour free on Wednesday, 4:30, and Saturday, 2:30, after school hours. This free hour to be for Children's benefit for Children's Grand Mask Ball and Military drill to be given by Prof. Raymond as soon as children can learn the Grand March. Mothers are invited to come and witness the Grand March drill and bring their children to enter in the Mask Ball.

Pupils can invite friends up to evening dances after class on Wednesday and Saturday by written invitation only. Not public.

All Children and Juveniles are requested to wear slippers in classes. It is essential that pupils enter classes at the beginning of term.

FANCY DANCES TAUGHT free to Children in the dancing school for a Grand Finale at the Opera House at close of term. Skirt dance, Sword dance, Spanish Waltz and Butterfly dances and many other steps. If you wish to learn, come!

PROF. C. RAYMOND.

DRESSMAKING

GOWNS, SUITS AND REMODELLING.

MRS. E. BANDEL

Phone 19-J, Cor. 4th and Park Ave.

WANTED!!!

CARPETS UPHOLSTERING AND PIANOS TO CLEAN, by the Pneumatic Cleaning Company. Orders for work taken at

GOING & HARVEY
PHONE 196

A new stock of the latest in —the—

MAZDA LAMPS

Send in Your Order

Coos Bay Wiring Co.
PHONE 237-J

When you have a bad cold you want the best medicine obtainable so as to cure it with as little delay as possible. Here is a druggist's opinion: "I have sold Chamberlain's Cough Remedy for fifteen years," says Enos Lollar of Saratoga, Ind., "and consider it the best on the market." For sale by all dealers.

Silver Spoon Sweets

Are Delicious Chocolates—made of Pure Materials, in a Sanitary factory by Clean and HEALTHY workmen. They are packed in 1/2-pound boxes at 25c and 1-pound boxes at 50c. Each package contains a Coupon which will help you to get one of these beautiful Silver Spoons—everybody sells 'em.



Send One Full Coupon, (or 2 half Coupons) and 10c for One Spoon —6 Coupons and 48c for Six Spoons.

Bradley Candy Co.
Marshfield formerly The Modern Company.

STATEMENT OF CONDITION

Flanagan & Bennett Bank
—of—
MARSHFIELD, OREGON
At the close of business September 1st, 1911.

Resources.	
Loans and Discounts	\$397,393.93
Banking House	50,000.00
Cash and Exchanges	141,546.53
Total	\$588,940.46
Liabilities	
Capital Stock paid in	\$50,000.00
Surplus and Undivided Profits	54,165.72
Deposits	484,774.74
Total	\$588,940.46

He Got the Job

A young man having applied to a wholesale house for a position recently found himself before the manager for examination. "Have you a bank account?" was his first question. "I have," was the reply. "Let me see your bank book," was the next request. After glancing over it and noting the long list of regular, though small deposits, he said: "Young man, you are engaged, and I want to compliment you on your saving ability. I always insist upon employing only men who have the good sense to save their money." We invite every young man in this community to open an account at this bank.

INTEREST PAID ON TIME AND SAVINGS DEPOSITS.

The First National Bank
OF COOS BAY
CAPITAL \$100,000.00
MARSHFIELD OREGON

WHY NOT NOW?

You will use the Gas Range eventually for these reasons:

It is economical. Consumption of gas starts when you start cooking and ceases when you are through.

It is safe. There is no dangerous oil to handle, nor danger of an overheated coal or wood stove.

It is clean. There is no wood or coal to carry in, nor ashes to carry out.

It is convenient. By the striking of a match you are ready to prepare a light repast or the most elaborate dinner.

Let our New Business Representatives tell you of our gas range proposition. Telephone 178 or call.

OREGON POWER CO.