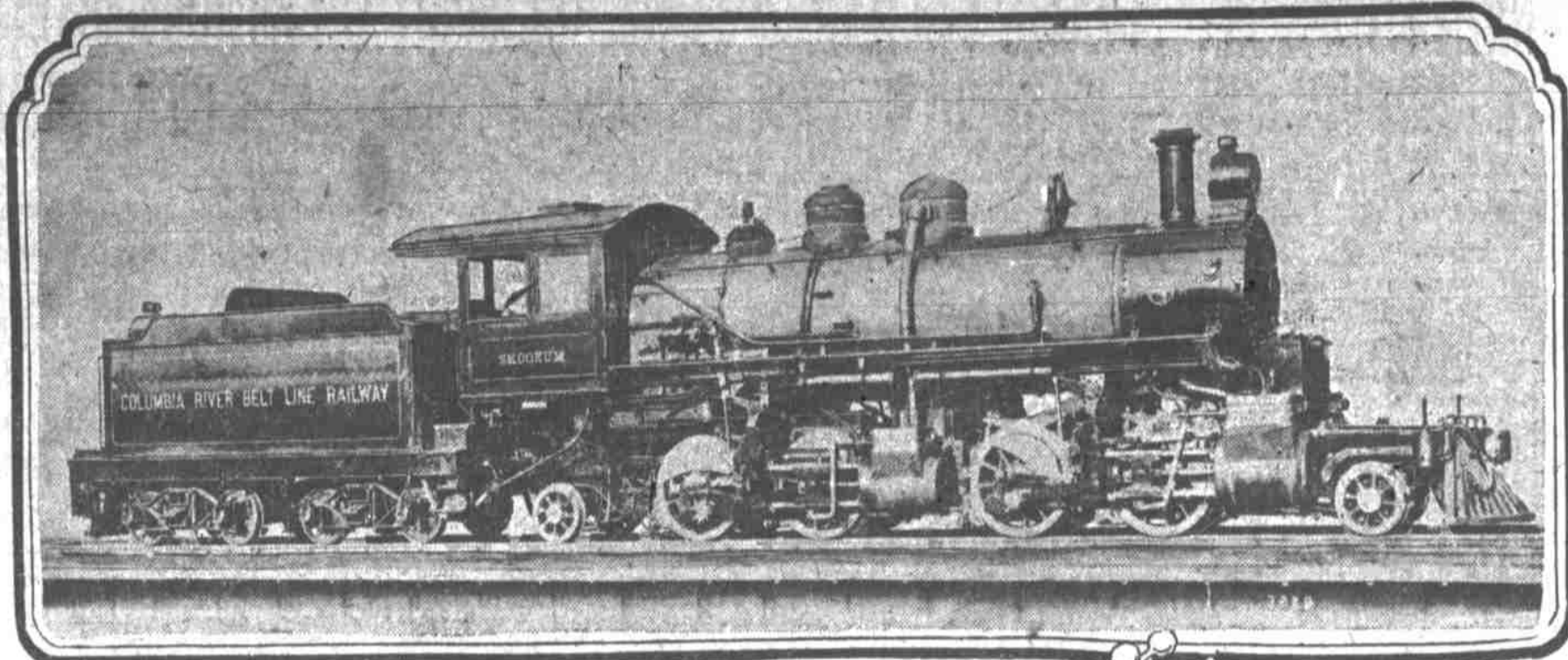


Whitney Company Buys Mollet Articulated Engine from Baldwin Works



Baldwin articulated engine, only one of its kind in existence.

The Whitney company, Ltd., which this summer will be operating logging camps on Whitney creek and Blind slough, tributaries to the Columbia river near Knappa, Or., has recently purchased a Mollet articulated locomotive for logging service. This engine, which is now due to arrive here, was built by the Baldwin Locomotive works. It is similar to one recently constructed by the same builders for the Little River railroad of Tennessee, but is heavier and develops a higher force.

The Mollet articulated locomotive, named after its inventor, consists of two engines placed under one boiler. Each engine rotates a separate group of driving wheels. The boiler is rigidly mounted on the frames of the back engine and is supported on the front frames by sliding bearings. The front frames are hinged to the rear frames, at a point on the center line of the locomotive, between the cylinders of the back engine. The cylinders are arranged on the compound system. Steam is conveyed from the throttle valve to the rear or high pressure cylinders, through rigid pipes. It then passes to the front or low pressure cylinders, through a flexible pipe and a second flexible pipe conveys the exhaust steam from the low pressure cylinders to the smokebox. The steam finally escapes up the stack in the usual manner. When the engine enters a curve the

front group of wheels swings about the hinge pin as a center, and the flexible pipes accommodate themselves to the relative positions of the boiler and cylinders. As these pipes carry steam of only moderate pressure, no difficulty is experienced in keeping the joints tight.

Suitable on Grades.
Locomotives of this type are especially suitable for service on lines having heavy grades and sharp curves, as they are flexible and easy on the rail, and a large proportion of the total weight can be placed on the driving wheels. Where the runs are short, the fuel and water supply may be carried on the frames of the locomotive and if all the wheels are coupled as drivers the entire weight is available for adhesion. Where longer runs are to be made, the fuel and water are carried in a separate tender, and if many sharp curves must be traversed, it is frequently desirable to place front and rear trucks under the locomotive. These trucks are equalized with the adjacent group of driving wheels; they provide an excellent distribution of weight and reduce shocks and blows when passing over uneven places in the track.

The locomotive for the Whitney company has two pairs of driving wheels in each group, with a two wheeled truck front and back. A separate ten-

der is provided. The boiler is fitted for oil burning and 1500 gallons of fuel oil may be carried on the tender. The burner is placed in the front end of the firebox, in accordance with Southern Pacific practice.

Equipped With Airbrakes.
The locomotive is equipped with M. C. B. couplers. Airbrakes are applied to the driving and tender wheels, with train connections front and back. Sand is delivered to the rear group of wheels from a box placed over the boiler and to the front group from two boxes placed low down over the forward deck plate. With this arrangement, no flexible sand pipes are required. The equipment throughout is specially suitable for the service.

The total weight of the engine and tender is 243,000 pounds.

The road will be built three miles into the timber from the head of Blind slough.

Two Special Trains to the Aviation Grounds.

Will be run by the O. R. & N. today and tomorrow, leaving the union depot at 12:30 p. m. and 1:30 p. m. Remember, the 1:30 train will be the last train on both days.

Journal want ads bring results.

LONG PROGRAM OF STATE ACADEMY

Many Interested in Sciences Will Meet in Commercial Club Next Week.

The annual meeting of the Oregon state academy of sciences will be held in the convention hall of the Commercial club beginning March 12 at 10 o'clock in the morning and lasting until the following evening. A most interesting program has been prepared and a general invitation has been extended to all those who are interested in the work of the academy to join in its deliberations and discussions.

The program for the two days' meeting is as follows:
Friday morning—Address of welcome, Mayor Joseph Simon; response, President W. N. Ferrin, Pacific university; "Irrigation and Conservation," John H. Lewis, state engineer; "Irrigation in the Willamette Valley," A. P. Stover, United States department of agriculture.

Friday afternoon—"Radio-Activity, a Popular Phase," W. V. Green, Portland Washington high school; "The Relation of Science to Civilization," President Fletcher Homan, Willamette university; "Some Interesting Archaeological Occurrences," William D. Wheelwright, Portland.

Friday evening—"A Phase of the Divorce Problem: Viewed From the Standpoint of Social Economics," President O. V. White, Philomath college; "Geology of the Willamette Valley," Ira E. Purdin, Portland.

Saturday morning—Business meeting and election of officers; "The Changes Taking Place in the Soil in the Process of Cultivation," Professor C. E. Bradley, Oregon agricultural college; "Weather Forecasting," Edward A. Beal, director government station.

Saturday afternoon—"The Oregon Geographic Board," Professor John B. Horner, Oregon agricultural college; "State and National Conservation," Frederick W. Mulkey; "Science in the Secondary Schools and Its Application in Practical Life," Miss Jane Stearns, Portland Washington high school.

Saturday evening—"An Interesting Example of Hexadactylism and Its Bearing on Heredity," Professor Albert R. Sweetser, University of Oregon; "Glimpses in the Bird World (Illustrated)," by Audubon society.

Jewetts Return to White Salmon.
(Special Dispatch to the Journal)
White Salmon, Wash., March 6.—Mr. and Mrs. A. H. Jewett, proprietors of the famous Jewett Farm Resort here, returned Tuesday from Long Beach, Cal., where they have been spending the winter months.



Our complete stock of Men's SPRING SUITS

Is now ready—More than 1000 Suits at

\$15

to choose from—Equal to the \$20 Suits of ANY other store in town—We have sold thousands of them in the last few years—and have many imitators—if you want the BEST VALUES in Portland—SEE US

WHEN YOU SEE IT IN OUR AD IT'S SO

MOYER

Third and Oak
First and Yamhill
First and Morrison

Sample Suit Sale!

Real Manufacturers' Spring Samples



We place on sale Monday morning 196 manufacturers' samples of Ladies' Spring Suits—samples that have been discarded, for the selling season is now over for the manufacturer. Sample Suits are always just a little better than the goods turned out in factory bulk. For that reason they are always in demand by our customers. Not only that, but the price is so exceptionally low. We obtain them at a fraction of the original cost—that's why we are able tomorrow to offer

The Snap of Your Life!

Ladies' Spring Suits, made up in the very best possible manner in all the popular materials and color shades—Regular

\$35 Sample Suits for Monday at... \$14.95

All sizes, all colors, many materials, perfect 1910 styles. Look at our window display today, then come in and see the greater variety on the racks.

Big Spring Hat Special

On Monday we place on sale an extra special to draw attention to our splendid Millinery display—500 New Spring Hats, just received yesterday.

\$2.75 Sailor Hats at \$1.65

Sailor straw, draped with taffeta ribbon and straw buckle. Very neat and natty. You'll like them.



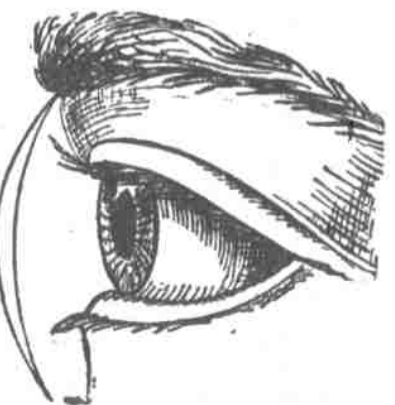
GEWURTZ

First and Yamhill & SONS Second & Yamhill

Thompson's Glasses Give the Best Results



TEN YEARS IN PORTLAND and the largest practice in the Pacific Northwest.



Thompson's deep curve lenses, wider field, clearer vision, greater comfort, improved appearance. ONE CHARGE COVERS ENTIRE COST OF EXAMINATION, GLASSES, FRAMES.

Thompson

EYESIGHT SPECIALIST SECOND FLOOR CORBETT BLDG. Fifth and Morrison Member American Association of Optometrists.

LADIES, LISTEN! GOOD NEWS FOR YOU

Merchandise Bought Could Not Be Countermanded

Suits

Women's Tailored Suits Regular values \$35, sale price **\$22.50** Regular price \$22.50, sale price **\$14.50**

MILLINERY SACRIFICE

PATTERN HATS priced 50% LESS TAILORED HATS priced 50% LESS Shapes, untrimmed, at much less than regular price.

Waists

Tailored, value \$2.50, sale price **\$1.49** Fancy, value \$4.50, sale price **\$3.19**

Flowers, Ostrich Plumes, Wings, Braids, 1/2 Price

NOTE—We have made an effort to get an extension of time so as to be able to remain in our location to finish the spring season, but have been turned down again—hence the sacrifice.

THE HAMMOND CO., Inc.

SUCCESSORS TO LE PALAIS ROYAL

Union Avenue

The Washington street of the East Side, is already decided upon. The word has gone out to the effect that Union avenue is to be the great business street of the city—the longest, widest and best paved—and some day will be lined with great business buildings its whole six miles length. All the great travel between Western Washington and Oregon crossing the mighty Columbia river will traverse this popular avenue. Do you realize what that means to any one who is lucky enough to own a lot on or near this great coming business street? What would you give to have your chance over again and know what you do now of Washington street values? The same thing will occur on Union avenue, and property values will no doubt go sky-high in a few years on Union avenue, which cuts our two beautiful additions.

LOVELEIGH and EL TOVAR

In twain. If you have no property near this avenue, you should not delay in getting some in one of our additions, which we are selling at reasonable price and on easy monthly payments. Every lot is perfect. Splendid view of mountains; close to car, school and church; building restrictions. City water and streets graded free to buyer. Take Vancouver or Woodlawn car at our office, corner Second and Washington streets, get off at Woodlawn schoolhouse. Agents on ground.

Brong-Steele Co. 110 Second Street