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LOW RATES TO ALL EASTERN CITIES OCEAN STEAMERS LEAVE PORTLAND EVERY 5 DAYS FOR SAN FRANCISCO

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Table with columns for Express Trains Leave Portland Daily, South, North, and times for various destinations like Portland, Oregon City, San Francisco, Roseburg, Salem.

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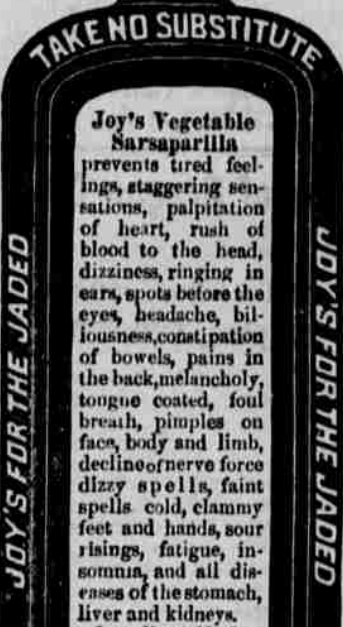
THROUGH TICKETS TO ALL POINTS IN THE EASTERN STATES, CANADA AND EUROPE

L. H. MOORE, Agent, Oregon City. E. KOEHLER, E. P. ROGERS, Manager.

Joy's for the Jaded and Good Health for all Mankind.

JOY'S VEGETABLE SARSAPARILLA.

Is made from herbs, and contains no mineral drugs or deadly poisons.



TAKE NO SUBSTITUTE

Joy's Vegetable Sarsaparilla prevents tired feelings, staggers sensations, palpitation of heart, rush of blood to the head, dizziness, ringing in ears, spots before the eyes, headache, biliousness, constipation, of bowels, pains in the back, melancholy, tongue coated, foul breath, pimples on face, body and limbs, decline, nerve force dizziness spells, faint spells, cold, clammy feet and hands, sour risings, fatigue, insomnia, and all diseases of the stomach, liver and kidneys.

It is an indisputable fact that for more than fifty years, children, from the age of three months to ten years, have been benefited by Steedman's Soothing Powders.

Steedman's Soothing Powders. For Children Cutting their Teeth.

IN USE OVER FIFTY YEARS. Relieve Febrile Heat, prevent Fits, Constipation, and preserve a healthy state of the constitution during the period of teething.

To CONSUMPTIVES. An undernourished having been restored to health by simple means, after suffering for several years with a severe lung affection, and that great disease Consumption.

DR. GORDIN'S Chocolate EMULSION. Builds up the System and Prolongs Life. Gives Natural Appetite and Sleep.

WANTED—AN IDEA. Who can think of something to patent? Protect your ideas, they may bring you wealth.

THE MODERN STANDARD FAMILY MEDICINE: Cures the common every-day ills of humanity.

Scientific American Agency for PATENTS.

Scientific American Agency for PATENTS. CAVEATS, TRADE MARKS, DESIGN PATENTS, COPYRIGHTS, etc.

NEIGHBORING TOWNS

NEWS OF THE NORTHWEST EPITOMIZED.

Development and Progress of the Various Industries on the Pacific Coast—Everything Points to a Bright and Prosperous Future—Oregon.

A new steamer for the coal trade is soon to be put on between San Francisco and Coquille City.

A mining and coal-shipping corporation has been started at Bandon, with a capital stock of \$150,000.

The building of the Astoria railroad has already consumed \$400,000, which is at the rate of \$50,000 per month.

A rabbit drive fad is now being indulged in by the citizens of Lakeview, and thousands of the animals have been killed.

It is estimated that the wool crop alone sold to such good advantage that \$600,000 was disbursed in the vicinity of The Dalles last year.

Benton county, now having six flouring mills, is to possess a seventh. The new mill is to be of a complete roller process and to contain modern machinery.

Pendleton is soon to have a new hotel. A leading property-holder of that city has about completed arrangements for erecting a brick edifice on the corner of Main and Railroad streets.

The Portland Oregonian has awarded \$150 prize for the best definition of a baby. The Heppner lady who won the prize sent in this answer: "A tiny feather from the wing of love, dropped into the sacred lap of motherhood."

An outside market for hops raised in this state would be a most welcome boon to growers, who are very much circumscribed in their movements. An experiment of this nature was recently tried in California when 50,000 pounds were sent to Lewis, England.

The farmers around Roseburg have been cashing up their wheat, taking advantage of the prevailing advance of the market value of that commodity; the result is much coin is being placed in circulation which cannot be accentuated with the opening season.

A \$5,000 nugget was recently found in the Virtue mine near Baker City. It consisted of a single slab of gold weighing in all about \$5,000 worth, and required no retorting before shipment to the mint at San Francisco.

Tillamook's lumber report shows that over 2,000,000 feet were sawed there in 1895. Of the three largest mills, one has a capacity of 50,000 feet, another 30,000 feet, and the other 25,000 feet.

An enterprise which is to be of great importance to the communities in the Rogue river valley will be the proposed Highland canal, which is now taking definite shape.

The Willamette river seems to be steadily deepening every year and also increasing in volume of water. In places the channel has an entirely different course than that remembered by the oldest settlers.

County immigration conventions are all the rage in the Evergreen state this month.

A resumption of the operations of the paper mills at Everett is a matter of considerable importance to that town.

A consignment of Kafir corn will soon arrive from Kansas and an effort will be made to induce Adams county farmers to give it a thorough trial.

The people of Puyallup are rejoicing in the mildness of its climate, which fact is evidenced by the presence of blooming roses and chrysantheums.

Specimen photographs of Whatecom county timber have been forwarded to an Eastern polytechnic institution, to be used in the regular course of study.

Another large batch of land has been patented by the Northern Pacific railway. It consists of 595,318 acres lying in Yakima, Walla Walla and Franklin counties.

To this state has been secured a separate district for river and harbor improvements by the authorities at Washington. An engineering office will be established at Seattle.

The Ritville farmers and business men are very joyful on account of the bright prospects for a good year. Summer followed ground is permeated three or four feet with moisture and a good crop is almost assured.

A good suggestion has been made to build flatboats with a capacity of ten or fifteen tons, to be loaded with ore at or near Fairview mining camp, B. C., in the Osoyoos division upon the Okanogan river, and float them down to Wenatchee.

The Pacific county bar association has taken steps to prevent Oregon lawyers from practicing in the superior court in the district which comprises Pacific, Wahkiakum and Lewis counties. The last legislature passed a law

allowing only those lawyers from other states to practice in Washington courts whose states granted the same privileges to Washington lawyers.

Two carloads of machinery have arrived from the East for the Seattle firm that successfully bid for two of the new warships. The buildings are now all in readiness, including the building ways, which are covered by a roofed shed 200x75 feet, giving ample room to build both the torpedo boat and the revenue tug.

Real estate agents of Spokane are jubilant over the increase of their stock in trade of alluring inducements. The bank clearances for the week ending January 25, exceeded those of Seattle, Tacoma and Helena.

The late Goddard murder case cost the county of Nez Perce \$7,534. A shipment of 70,000 fruit trees was recently made from Moscow to Camas Prairie.

A snowslide carried away the mill at the Vanderbilt mine, two miles south of Hailey.

Another payment is due the Nez Perces in February of \$150,000. It might be very handy these dull days to be an Indian.

Development work on the Black Hornet has suspended for the present. The owners will put up a ten-stamp mill for reducing and saving the gold.

The machinery for the new packing company at Idaho Falls has arrived and is being placed in position.

The Boise mining exchange is starting off in a business-like manner. The members seem to be in earnest in the matter, and filled with a determination to score a success.

Some Indiana citizens desiring to come West have written for offers and inducements as a bonus for their starting a wood-pulp mill. It would require considerable soft wood, such as cottonwood, linn, buckeye, etc.

The diptheria epidemic has died out at Belt and the public schools have reopened.

Billings' latest enterprise is to construct a \$10,000 opera house with a capacity for 600 persons.

A recent fire at Helena destroyed a \$30,000 milling plant of the Montana Lumber & Manufacturing Company.

The assessed valuation of Montana is \$124,076,685.50, while its indebtedness is only \$2,798,080.82.

A brewing concern has just finished a fine cold-storage house and are preparing to put in bottling works in connection with their establishment at Belt.

The assessed valuation of Montana is \$124,076,685.50, while its indebtedness is only \$2,798,080.82. For a young state that is only six years old, Montana is doing remarkably well.

The municipal authorities of Helena, under authority of a popular vote to that effect, tried to dispose of about \$800,000 worth of bonds recently, bearing interest at 5 per cent.

It is likely that the War Eagle will put up a milling plant of its own at Roseland.

A new brewery is soon to be erected at Sappington. It will have a cold storage plant in the same building.

The present air compressor at the Le Roi mine having proven too small, a new twenty-drill one will be put in. This company is a steady dividend payer.

The people of Roseland are now considering the proposition of municipal corporation. Two meetings have been held.

British Columbia possesses the unique distinction of containing the only quicksilver mine under the British flag. It is situated on Kamloops lake, opposite Saramas, a small station on the Canadian Pacific, and the ore is a cinnabar, or native sulphide of mercury.

From a test lot of twenty tons of crude cinnabar sixty flasks of quicksilver, weighing 4,590 pounds, were produced, valued at \$2,130, at a cost of only \$300.

This mercury was sold in San Francisco; but in future, when the new retorts are built, the quicksilver will be dispatched to China for the manufacture of vermilion.

DECIDEDLY BETTER

SUCH IS THE PRESENT TONE OF THE WHEAT MARKET.

Farmers Who Hold On to Their Wheat Have an Opportunity to Profit by the Better Prices Prevailing—Conclusions on Smut in Grain.

The wheat market appears to be steadily improving and is relatively higher than the price in Chicago and Liverpool would warrant, says the Walla Walla Statesman. As wheat started in last fall as low as thirty cents the rise of twenty cents and upwards is remarkably and decidedly encouraging to wheat growers.

Farmers Expect Higher Prices. Apropos of the present boom, the Oregonian states that wheat goes up at local markets because farmers are holding on in expectation of higher prices, and, as charters must be filled, buyers must pay what is necessary to fill their orders.

Had the improvement come earlier in the season, before so much of the grain had passed out of the growers' hands, the benefits would have been greater, but even at this late date, a fair proportion of the crop is in first hands.

The Montana experiment station sends out the following conclusions on smut in grains: Smut attacks wheat only. Loose smuts attack all of the small grains, but that of the oat is the most damaging.

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Clean seed, or that effectually treated for smut, will produce a crop free from smut, but an adjoining smutty field may contaminate this grain for next year's crop.

The disease in wheat may be entirely prevented by thoroughly wetting the seed in a solution of copper sulphate, using eight ounces to a gallon of water.

It may also be prevented without injury to the vitality, by immersing the seed twenty-four hours in a solution of potassium sulphide, made by dissolving one pound of the sulphide in twenty-four gallons of water.

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HEARD THIRTY MILES AWAY.

The Wonderful Music of the 7,000 Bells of Moscow.

"Like the morning stars when they sang together is the melodious thunder of the bell in Kremlin Tower, and sweet as the harp of David are the bells of Valdia," is a Russian saying.



THE GREAT BELL OF MOSCOW.

The great, brazen bell, of sixty tons weight, five times the size of Big Ben, in London, swings lightly on borders of oak and steel.

There is no sweeter music in all the world than the music of Moscow's bells on Christmas day. The boom from the Kremlin wins response from 2,000 great bells and 5,000 small ones all over the city, and such is the quality of tone of the largest bell in the world.

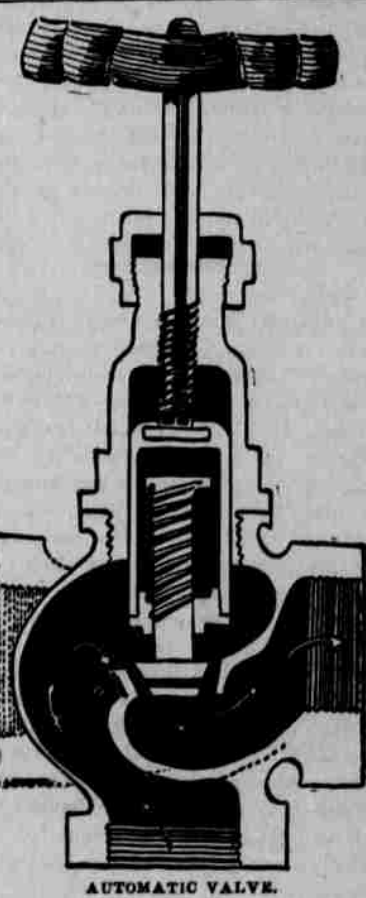
They go to the bell chapel to worship. More than 200 years ago the great bell was cast into the mold of clay.

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AN AUTOMATIC VALVE.

This One Partly Closes or Opens as the Pressure is More or Less.

A valve adapted to close proportionately on an increase of pressure and open correspondingly with decreasing pressure in the flow of gas or other fluid is shown in the accompanying illustration.



AUTOMATIC VALVE.

In a cap on the lower end of a cage, which also slides loosely in the cap of the valve body, the cage being adapted to be raised or lowered by a threaded stem on which is a band wheel.

On the upper end of the valve stem is a cap against which presses a coiled spring, and an increase in the pressure of the gas flowing through the valve, causing an increased pressure also against the top of the valve, moves the latter downward against the tension of the spring, thus decreasing the opening between the valve seat and the valve, the spring lifting the valve and enlarging the opening as the pressure decreases.

The Russian Charge at Eylan. It was a raw and bitter day; during the morning there were occasional