

in the Georgetown district, Montana. Heretofore the mine has been supposed to contain no metal of any value but gold, but recently a rich copper lead was found. This was struck at a depth of about 100 feet from the surface and is said to be quite extensive and carrying eighty per cent. copper. This is not the first occurrence of the kind known in mining. The Tintic mine, located near Provo, Utah, was the first known as a copper producer, and extensive reduction works were constructed for treating the copper ores. In a short time, however, the company found their supply of copper ore becoming less, until it finally produced so little that they were obliged to close down the reduction works. The sinking was continued in the shaft and in a short time they came in contact with a body of silver ore, and after working on this character for some time it also gave out and in its stead came a rich lead of gold ore, and the mine is at present among the richest gold producers in Southern Utah.

The Tacoma & Lake City Railway and Navigation Co. will have its line to American lake in running order in March. The rails have arrived and the grading is completed. The company will enter Tacoma over the track of the Northern Pacific, with which they will connect about three miles from the Pacific avenue depot. The road will be equipped with two forty-ton Baldwin locomotives, two passenger coaches, one combination coach and baggage car and ten flat cars. The road will also connect with the electric line of the Point Defiance Street Railway Co. and the line of the Central Street Railway Co., thus giving it the benefit of three entrances to the city. This road is built to give Tacoma rapid transit connection with the great summer resort, American lake, which is expected to become very popular. The company will build a large hotel at Lake City in the spring and make other necessary improvements.

Albina, Portland's second largest suburb, has made great progress the past year. From data carefully collected by the *Courier* it is learned that there were 1,534 real estate transfers, the consideration amounting to \$2,194,298, being nearly twice as many in number and more than twice the value as during the year 1888. Besides this there are a great number of sales unrecorded, being simply bought on the installment principle. Public improvements in grading streets, laying sidewalks, etc., amounted to \$69,500, and private improvements to \$447,775, the most important being the huge elevator of the Pacific Elevator Co. Albina is practically a portion of Portland, and her growth progresses in proportion to that of the metropolis.

The ship yard of Hall Bros., of Port Blakely, has been removed to Salmon bay, near Seattle, and consolidated with that of Captain Lake. This makes the largest establishment on the Pacific coast for building wooden vessels. Hall Brothers have constructed sixty vessels at their old yards, and some of the finest craft ever built have been turned out by Captain Lake. Puget sound will, ere many years, be famous for its ship building industry, both of wooden and iron vessels.

The Puget Sound Dressed Beef and Packing Co. is building at Puyallup the largest frame structure in Washington. It is going into the business of selling dressed beef and packing meat on a large scale, and will be of great benefit to the Puget sound region.

A national bank has been incorporated at Chehalis, Washington, by local capitalists and others in Portland, Tacoma and New York. It is successor to the well known private bank of N. B. Coffman, who is president of the new bank.

Seattle has taken another step in securing its own water works. For two months past negotiations have been carried on between the city council and the Spring Hill Water Co., which have resulted in the sale of the company's plant to the city for \$352,265.67. This will become a portion of the general system to be constructed, which will draw its supply from Rock creek. The Spring Hill system will be relied upon until the Rock creek supply is ready.

Heppner, Oregon, has taken steps to provide good hotel accommodations. The citizens have incorporated the Palace Hotel Co., with a capital stock of \$40,000, and will build a structure that will be an ornament to the city and supply much-needed entertainment for visitors. It is a test of a town's vitality to thus provide for its growth, and Heppner has always exhibited a spirit of progress in advance of many other towns in the state.

Citizens of Brownsville, Oregon, have incorporated the Brownsville & Calipooia railroad, for the purpose of building a road into the great timber and mineral region at the headwaters of the Calipooia, one of the chief tributaries of the Willamette. The road will also be extended to a connection with other lines on the Willamette, probably at Corvallis or Albany, the citizens of both cities having also taken this matter in hand.

Seattle is building five engine houses for the use of its fire department at a cost of \$41,000, one of them being of stone and brick and costing \$18,000. The latter will have a stone and brick tower sixty-five feet high, in which will be hung a large alarm bell. All the best electric appliances will be put in and Seattle will have a fire department thoroughly equipped and organized for efficient service.

The citizens of Sprague, Washington, are moving in the matter of securing sundry improvements for their town. Among these is the establishing of fire limits, the location of a city park, the selection of a site for a city cemetery, the erection of another public school building, the construction of a system of sewerage and issuing bonds to redeem outstanding warrants.

Both Salem and Albany are pushing their railroad projects vigorously, and other points along their proposed routes to Astoria are moving in the matter. The Albany line will probably go by way of Sheridan and Dallas and the Salem line by Hillsboro. If zeal and energy can accomplish it, both of these schemes will be carried to a successful issue.

The new woolen mills at Salem, Oregon, are almost ready to begin work. The machinery has been started up to get it into good working condition before beginning operations. The mills will start with a large force of hands some time in January, and will be run night and day, a stock of 1,000,000 pounds of wool having been accumulated.

The Iron mountain mine, Missouia county, Montana, has been worked by a Helena company less than a year, and a dividend of \$125,000 has been declared. This is a specimen of what can be accomplished with a good mine and proper management.

Descriptive articles of The Dalles and Baker City, Oregon, will soon appear in *Water Signs*, also a number of engravings of prominent buildings in those two prosperous cities.