

would reach over \$16,600,000.00. Of lead there were about twenty-six million two hundred and fifty thousand pounds, and this, at the rate of four cents, an average price for the year, would be \$1,050,000.00. The grand total, at the lowest computation, is \$38,485,000.00. Or, if we figure copper at the market value of seventeen cents, it would be \$41,417,500.00. Taking the whole, however, at what it actually brought the producers, the total output of Montana for 1888 in the four metals, would be: gold, \$4,250,000.00; silver, \$19,509,000.00; copper, \$13,685,000.00; lead, \$1,050,000.00, making a total of \$38,485,000.00.

**WILLAMETTE FALLS EXCELSIOR Co.**—The first factory to be erected on the west side of the river at Oregon City is that of the Willamette Falls Excelsior Co., recently incorporated as the successor of the small excelsior industry now carried on in that city. Three substantial buildings will be erected, and other upholstering materials besides excelsior will be manufactured. The factory will be located at the foot of the locks and just on the west side of the lower lock. From the factory a slip will be run down to the wharf, which will be built over the locks. A flume will be built one thousand and fifty feet long. This will be open where the water is taken from the locks, then will be closed in, the closed part to be built four feet square. The fall immediately at the mill will be thirty-two feet, the wheels having a capacity of two hundred horse power. The company intends to have its machinery in place and ready to be set in motion in sixty days. Its wheel will probably be the first to turn on the west side. The site selected is an excellent one, well adapted to their use in every particular. With buildings made to suit their needs, they will be in prime shape to meet the demands of their growing trade.

**THE GREAT SUN RIVER CANAL.**—An immense irrigation project is on foot in Northern Montana, which promises to be carried to a successful issue. Between Sun and Teton rivers lies a vast area of bench lands, three million acres of which can be covered by a canal from Sun river. The Sun River Canal Co. began work on this great aqueduct several years ago, and now, at an expense of \$200,000.00, has completed two hundred miles of canal and subsidiary ditches. Benton lake has been tapped at an expense of \$40,000.00, and one hundred miles of ditches constructed from it at a cost of \$100,000.00. It is proposed to extend the main canal so that this great area of bench lands can be covered by ditches leading out from it. The soil of that region is a sandy loam, resting upon a subsoil of clay, which holds moisture for the roots of crops. Irrigation will not be necessary at all times, but the rainfall is too light to be depended upon, and successful cultivation requires the means of artificial watering to be at hand if needed. The area to be reclaimed will make nearly nineteen thousand farms of one hundred and sixty acres each, supplying homes directly to one hundred thousand people, and indirectly to as many more.

**REAL ESTATE IN VANCOUVER, B. C.**—One of the most prominent instances of rapid enhancement of real estate values is that of Vancouver, the Pacific coast terminus of the great Canadian Pacific railway, situated on Burrard inlet, British Columbia. Three years ago it was a wilderness. Now it is a city of large and costly business structures and handsome residences. Property then worth but a few dollars per acre is now worth almost as much per front foot on the business thoroughfares. Identified with the growth of the city from its inception is the firm of Rand Brothers, who have handled hundreds of thousands of dollars as agents for other parties in making invest-

ments in and near the city to the entire satisfaction of their patrons in every instance. These gentlemen are extensive dealers in lands throughout the province, and have an office in New Westminster, where they are engaged in large real estate transactions. Persons from a distance who desire to invest in real estate in the province, or are seeking reliable information on the subject, will find it convenient and safe to address Rand Bros., Vancouver, B. C., by mail.

**RAILROAD FOR QUILUTE VALLEY.**—A large amount of timber land is being taken in the Quilute valley. A gentleman just from there informs us that a number of claims have recently been filed upon. A party consisting of ten or twelve is in town to-day, en route for that section to take timber claims. There is urgent need for more surveying to be done. Quilute is in the extreme western end of Clallam county, bordering on the Pacific ocean. It has some large and fertile prairies, settled upon by an enterprising and industrious community. It needs an outlet other than by water, more than anything else. Mr. J. R. McDonald, of the Mason County & Gray's Harbor railroad, has recently made a tour of investigation, and we understand that the prospect bids fair for the whole Quilute, Gray's harbor and intervening region to be developed in the near future by a railroad system. Its outlet will be by connection south of Union City with the Port Townsend Southern.—*Port Townsend Argus.*

**OAKESDALE, W. T.**—Oakesdale is an enterprising little town that has sprung up in the Palouse country within the past two years. It is incorporated, has a population of about five hundred persons, and claims to be the largest shipping point on the Spokane & Palouse railway. It already has five large grain warehouses, and two more will be constructed on the completion of the Oregon Railway & Navigation Company's line, which is already graded to that point. The farmers of the vicinity are about to establish a creamery on the co-operative plan, a large planing mill is being built, and sundry other enterprises are on foot. A bank and a flouring mill are among the urgent necessities now. The town is situated in a beautiful valley and is surrounded by sloping hills, which are easily tilled and produce large crops of grain, fruit and vegetables. This town promises to become an important trade center in the great Palouse country.

**ENTIRE SKELETON OF A MASTODON.**—The complete skeleton of a mastodon, buried about twenty-five feet under ground, at a point which had evidently been a whirlpool or eddy of the river, was found a short time ago on Snake river, near Salmon falls, by two Idaho placer miners. Many large bones are said to have been found in that locality before, but this last discovery was a perfect skeleton, it having, without doubt, been deposited there while the hide was yet intact. It was about ten feet long, and it is estimated that the pile of bones would weigh three thousand pounds or more. The tusks and some of the huge molars and other bones were preserved, but it was impossible to save the skeleton entire, as soon after it was exposed it began to crumble. The tusks were between six and seven feet long.

**TO SURVEY PIPESTONE PASS.**—The board of trade of Butte, Montana, has resolved to ascertain by actual survey, at an estimated cost of \$2,000.00, the availability of Pipestone pass as railway crossing of the main Rocky mountain range for the projected line of the Northern Pacific between Gallatin and Butte. This pass is south of the Elk Park pass, and is consid-