

# MINES AND MINING.

## THE FOLLOWING ARTICLE ON THE MINES OF TEXADA ISLAND IS FURNISHED BY THOMAS H. FRASER, WHO HAS RECENTLY MADE A TOUR OF THE COAST DISTRICT OF BRITISH COLUMBIA:

About seventy miles from Vancouver, with good seaway communication from all important centers, mining activity is the general order of the day from one end of Texada island to the other. On the Van Andia a shaft is now down about 125 feet with several drifts from the 60-foot level to the lower level, and after twenty feet of sinking on the lode a splendid body of purple copper ore has been met with. This ore is in the solid and being of a value right across the whole body of 100 per cent. value. This is also the most important and considerable ore can be shipped, and the distance from the lode to the water is only a few hundred yards, but the greatest difficulty the company has to contend with in this little section is obtainable from the Everett or Tacoma smelters in the value of freight. These smelters are not allowed to receive more than a certain quantity of copper ore, the rate only containing about 60 per cent, and extra costs out of all question. The rate is now being charged to the account of copper product. It is much to be deplored that these smelters are unable to receive more than a certain amount of copper, unless of an exceptionally rich quality, cannot be shipped. It is therefore the intention of the Van Andia company to allow it to accumulate on the dump with development until more favorable opportunities offer for disposing of the same. It is rumored that a German house is likely to buy for the ore on the ground, and the balance to be paid on assay. The balance to be paid on actual results from smelting. Proposed erection of smelters very considerably to copper mine owners should be the means of increasing the value of the ore. The owners of the Everett and Tacoma smelters to the fact that they may, when too late, discover that the smelters are not so good as they have been made to appear. The owners have shipped away from them on account of the ridiculous charges made. They for instance, for smelting, charge 25 per cent, copper, worth approximately \$44; of this value the smelters allow \$20 and charge for smelting in addition to other charges. As the copper is worth approximately 20 per cent, it will mean that the smelters are getting nearly \$40 per ton. This new strike will give at least from 20 to 40 per cent, in copper, and the smelters, if they are to be paid, will not net about \$20 per ton. This extraordinary method of dealing with shippers of copper ore is being developed, and can only have one ending, viz., the stopping of the industry till capitalists from other parts of the world are invited to supply the necessary means of treating ore on a basis remunerative to all parties concerned.

This view is also taken by the Raven Mining Company, and although every body of copper ore is being developed, worth 15 to 20 per cent, in copper, besides a considerable amount of gold, it is not visible to undertake any further shipping at the rates at present demanded. On the Raven a shaft is being driven, and the lode is being met with, and the body of ore is eight feet wide, containing best copper, and the lode is being driven on the surface, and the value of the ore is maintained. Other properties on this vein are being opened up with exceedingly encouraging results, proving that this copper belt is of high value and very extensive.

Further to the south on the island the Texada Proprietors have sunk a shaft on its property 100 feet and proposes immediately to continue sinking another 100 feet and drift on the lode both ways from the present level. An ore body has been carried down with the sinking of the shaft, and is being driven in thickness of vein matter, of which two feet is solid ore, and the value of the ore is being developed. Further to the south on the island the Texada Proprietors have sunk a shaft on its property 100 feet and proposes immediately to continue sinking another 100 feet and drift on the lode both ways from the present level. An ore body has been carried down with the sinking of the shaft, and is being driven in thickness of vein matter, of which two feet is solid ore, and the value of the ore is being developed.

### THE FISH LAKE DISTRICT.

#### Rediscovery of Old Properties—Organizing a Mining District.

CHENEY, June 10.—So much has been written and said about the Fish Lake mining section that a more detailed account may be taken of its development. The discovery of mineral in that section was probably made by C. A. Rathbun 12 years ago. Several claims were located, but the boom times being over, they were abandoned. A general source of wealth was early this spring when George Kagle, an old settler, discovered or rediscovered gold-bearing quartz in the Fish Lake section. He was with J. J. Oplinger, John Jones, and Jack, who had a claim and called it the St. Anthony. An assay at the surface showed \$2.50 in gold and \$1.50 in silver. A depth of about 22 feet this was increased to \$7. The paystreak was but three or four inches in width on the surface, but has increased with a depth of 33 feet it is over three feet wide. A hundred pounds was sent to the Tacoma smelter, this week for a test, and if the returns are satisfactory a carload will be shipped in a few days.

Mining men all speak highly of the character of the ore. The rock is a fine quartz with an iron capping and is between walls of slate. The mineral belt can be traced for several miles along the Fish Lake, which broken and 20 to 30 distinct ledges can be easily traced. The Northern Pacific railway runs within a few feet of the leading prospect. The elevation is about 250 feet above sea level and 800 feet above Spokane.

Today some good ore was discovered in a cut made by the railroad company a number of years ago. It consists of galena and pyrites of iron and copper rich, though to assay has yet been made. This find is west of Cheney and in a basaltic region. The locators are Steve Harris, Paul Harris, Herman Harris and S. M. Harris, Jr.

A number of claims were held last night and preliminary steps taken to organize the Cheney mining district. The territory includes townships 21, 22, 23 and 24 in ranges 40, 41 and 42 east, W. M. A petition was drawn up praying that the county auditor appoint a recorder for the district and recommending J. W. Minick for the position. H. A. McLaughlin, J. W. Minick, A. B. Hicks, Charles, George J. Oplinger, J. D. Ivey, Ralph Hendricks, J. S. Hull, L. H. Houck, E. N. Hendricks, Frank Cummin, Steve Harris, J. L. Leonard, Frank Martin, W. Conway, L. Walter, J. Addington, J. Cassidy, Paul Bo-

## INDEX-GALENA WAGON ROAD.

### Railroad Franchise Virtually Voted If Miners Can't Ship.

The Everett Mining Record severely condemns the Snohomish county commissioners for granting J. J. Sheehan and A. W. Hawks an exclusive franchise to build a railroad along the wagon road from Index to Galena. The franchise allows two years to complete construction, and requires that it begin before September 1, 1897. The Record says the county, after building the road in 1891, abandoned it by granting this franchise. It says further:

"Silver creek miners are wondering just where they are at on the wagon road proposition. A prominent mining man, who is thoroughly acquainted with the region through which the proposed railway is to pass, is our authority for the statement that within three months of the opening of a good wagon road from Index to Galena there would be twenty shipping mines in the Silver creek district. This view is based on the transportation outlook for the purpose of ascertaining the fitness of cyanide treatment. It appears that hardly half that number will produce ore in quantity the present year. It seems deplorable that merely such means of transportation as a wagon road affords should be the only thing to prevent twenty Silver creek mines from shipping ore. It is doubly deplorable when it is considered that \$500 expended on the present route would afford that opportunity. Although Messrs. Sheehan and Hawks virtually own the road on a grant from the county, they quite naturally are not disposed to maintain it as thoroughly as they should. Individual expense; it cannot be doubted, however, that they will stand their share. They are both heavily interested in Silver creek mines, and are concerned in the development of the district, because it would enhance the value of their franchise. Here is an opportunity for the Silver Creek men to display a little amount of good feeling toward the maintenance of a good road between Index and Galena. The county has washed its hands of the matter."

### IN THE SUMMIT DISTRICT.

#### Free Gold on Quartz Mountain—Stamp Mill for Crystal Mountain.

BUCKLEY, June 11.—Within the past month about 40 locations have been made in the Summit district, about 12 miles east of Buckley, by mining men from Tacoma, Seattle, Mount Vernon and other points. The first discovery of gold-bearing quartz was made about 40 years ago by some California miners. Quartz mountain is a bench or table-land, so called from these discoveries, and is traversed by the old McEllan trail and by the route of the new road being surveyed. The road is open from different points on the No. three Pacific about Buckley. Croppings assay \$2.50 per ton, and at ten feet below an average of \$15 per ton is shown by assays. The stories of the richness of the finds are somewhat exaggerated, but the properties selected are promising ones and justify the development which is being done.

### WORK ON THE NEW SETTLEMENT.

#### It Continues to Show Up Large, Rich Ore Bodies.

Capt. C. H. Thompson and H. G. Blackwell of Spokane, came down on Thursday from Silverton, where they are developing the lower part of the new settlement. The properties in the district, described in our work so far, Capt. Thompson said:

"A tunnel was driven 100 feet on the lode and runs beyond the one shaft, which is 100 feet in length, with a maximum width of nine feet and an average width of three feet. We then came back to the point where we left the shaft and sank a shaft 40 feet in one of the ways. We have now started a drift from the bottom, running into the mountain toward another ore chute, the croppings of which were found higher up the mountain and are in fifteen feet. The ore contains brittle silver, gray copper and occasionally silver siliceous in bunches and disseminated in small particles throughout the quartz. The assays all the way from \$1 to \$50, but cannot form an opinion how it will average, probably \$25 to \$30.

"I never saw a better ore country, geologically speaking, than the Cascade mountains. The New Seattle ledge is an example for it has been traced for 500 feet cutting through four mountain ridges."

### Setting Down to a Solid Basis.

Commenting on the reaction against the location of claims in the Fish Lake section, which has set in throughout Canada, the Vancouver News-Advertiser says:

"It is just as well that this temporary wave of depression and of disappointed prospectors should have been caused before speculation had become too rampant and too many had become involved beyond their depth. From various causes the mining enterprise is something of a novelty to the people of Canada—the mining fever began in this country at an earlier stage than it did on former sections of a similar character in other countries. This is, perhaps, all the better as the disease has not so much to feed on and has not spread over so large a surface. The best remedy is to set the country on a solid basis, which it has done and is doing. Things will adjust themselves so much the easier."

### Annual Report of the War Eagle.

The annual report of the War Eagle Consolidated Mining and Development Company says that shipments have averaged twenty-eight tons a day, including freight and treatment cost \$18, and the ore sold has netted \$12, but the richest ore bodies remain untouched. It is believed that the ore mined in development will pay expenses and probably leave a surplus. The directors propose to limit production to twenty-five or thirty tons a day and meantime develop the mine by sinking and drifting, until the Crow's Nest pass road is built. This is expected to reduce smelting charges \$2 a ton.

Miller River Claims Sold.

The Lone Star group of five claims on Great Falls creek, Miller river, three miles from the railroad, has been bought from Archie Williamson and C. W. Spear, of this city. The ledge is seventy-two

feet wide, with four streaks of ore carrying iron sulphides and gray copper which assays 47 silver and 19 gold. A six-foot tunnel on the old trail shows a sixteen-inch streak. The new owners have put three men to work on a tunnel 100 feet below the old tunnel and below the falls.

### Shipping Ore in Edison Group.

Specimens taken at random from the Monarch claim on Silver creek, owned by the Bonanza Mining and Smelting Company, have assured so well that the company contemplates shipping ore. The ledge, which is between slate and porphyry walls, splits on the line between the North Pacific and one carrying boron, disseminated through decomposed quartz, and the other carrying pyrites, almost solid, in quartz gangue. The latter ore is crowded every day. Those who come are of a more transient character, however; they wish to inspect the newer placers, of which so many are springing up in Kootenay, before investing. Besides such prospectors are rapidly leaving the hills although they say that 100 miles north of here there is still a great depth of snow. General business is good, however, as this is the base of supplies for a

## ROSSLAND BOOM.

THE WORK THAT WILL COME BEFORE THE NEW TOWN COUNCIL.

### The New Mayor Takes up the Reins Laid Down by John Kirkup, the First Head of the Town.

Special Dispatch to the Post-Intelligencer. ROSSLAND, June 12.—For a week or two the town has not appeared to be so full of people, and yet the Red Mountain and Columbia and Western trains are crowded every day. Those who come are of a more transient character, however; they wish to inspect the newer placers, of which so many are springing up in Kootenay, before investing. Besides such prospectors are rapidly leaving the hills although they say that 100 miles north of here there is still a great depth of snow. General business is good, however, as this is the base of supplies for a



JOHN KIRKUP, Rossland's First Mayor.

### One Silk Special.

28-inch Figured Foulards, 40c a yard, they are worth \$1.00

### MINING NOTES.

The O. & B. tramway from Monte Cristo was started on Friday.

Paul Gaston has bought the Solo and Solo Best, in Kaslo district, for \$12,000.

A party of prospectors is working up Cherry creek, near Victoria, B. C.

Ore carrying \$107.85 gold has been struck on the Good Hope, on Wild Horse creek, B. C.

About 300 men are prospecting and mining on Christmas lake, B. C., and are making some good showings.

An English syndicate is said to be negotiating the purchase of the Rees, Slocan district, for \$2,500,000.

About 300 tons of concentrates were shipped from the Monte Cristo mines to the Everett smelter last week.

A ledge thirty feet wide has been uncovered on the Comox, Empress and Victoria, B. C.

A tunnel has been driven twenty-five feet on the Dismore, on Salmon creek, showing a full breast of copper ore.

The Black Diamond at Ainsworth has shipped five car loads and 370 sacks of ore and will concentrate fifty tons a day.

Gold-bearing rock, carrying about \$10, is said to strike near Tardell's place, three miles from Forks, Clallam county.

Work is to be resumed on the Silver Star, near Vernon, B. C. A shaft is down forty-four feet, all in ore, carrying galena and silver.

A tunnel is being run by four men on the ledge of the Chicago, on Money creek, of which the late C. W. Frisbee was the principal discoverer.

Fine ore, carrying \$42 gold and a large percentage of copper, has been uncovered at the Gem on the Grass Roots at Kamloops, B. C.

During May the mining record at New Westminster, B. C., issued 23 free miners' claims and received 20 mineral claims and 20 conveyances.

Four good ledges have been discovered on the Queen Bess group, Slocan, owned by the Gem Mining Co., by William Glynn and J. H. Moran.

H. Venhof, an expert from Berlin, reports that he has discovered a large body of Boundary district for two or three weeks examining its best properties.

In cutting a trail on the Great Eastern, on the west side of the town, an excellent ledge of copper was uncovered a twelve-inch ledge carrying free gold and considerable copper.

A tunnel was driven in the station on the Kaslo & Slocan railway, for the week ending June 5, were 369 tons, mostly consisting of iron ore and concentrates.

About eight feet of decomposed quartz literally sparkling with gold has been struck 150 feet below the lower tunnel on the Fern mine at Slocan, B. C.

The Bunker Hill & Sullivan Company has bought fifteen to twenty claims at the lower end of the Boundary district, running a three-mile tunnel through them.

A ledge, carrying fine peacock copper, and said to be eighteen to twenty feet wide, has been discovered on the Boundary district, a tributary of Duncan river, B. C.

The Banner in Summit camp, Boundary district, is carrying a large quantity of coring gray copper and with sheets of native copper running through it.

The Ontario, Slocan district, has been sold by the Tacoma Lumber Co. to J. W. Craig, Joseph Campbell and William Berkwick to Victoria parties for \$15,000 each.

Leonard and company, who have made many rich strikes for many years, are now working on the Boundary district. The general opinion is that they will make a big thing out of it.

The boiler and air compressor for the Palmer mountain tunnel have arrived at the mouth and are in fifteen feet and are being hauled to Loomis, where the foundation is ready for them.

The Lone Star on Gold Hill, near Loomis, and is in 300 feet. The ledge is capped with iron and is of great width, a six-foot tunnel on the ledge has been struck the walls. It carries gold, silver and copper.

The Block on Wild Horse creek, B. C., has been bought by A. J. Allen and Alexander Auld to the Hall Exploration and Development Co. A shaft is down thirty feet on the footwall shows a seven-foot ledge and pyrites, carrying 50 per cent, of twelve ounces silver and 12 per cent, lead.

Diamond ice wagons go to Queen Anne Hill, Renton hill and below Broadway Tuesday, Thursday and Saturday; to Beacon Hill, Brevel avenue and Pontius, Monday, Wednesday and Friday; in the Boundary district from Seattle General hospital to King street, daily.

For a mild tonic and a refreshing drink nothing equals Rainier Beer. Telephone Main 30.

# SPECIAL SALE PRICES FOR MONDAY.

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MONDAY ONLY.

- Colored and White Wash Goods that you can save 15 to 20 per cent on by buying them at Monday's special sale.
- Chiffon Crepes in beautiful light shades, Monday only 10c a yard, regular value 15c.
- Lapset Mulls in plain shades and large figured effects, Monday only 15c, regular value 20c a yard.
- A Fine Galatea Cloth, the best in the market for salting, Monday only 15c, regular price 20c a yard.
- Cycle Suitings in the best quality, Monday 12c a yard, we can show you a large variety of patterns.
- 28-inch Sheer White Dimity in stripes and fine checks, Monday 10c a yard.
- 28-inch Satin Finish Dimity, plain white, at 12c a yard, Monday only.
- Plain White India Linen at 10c a yard, Monday only.
- A Better quality of India Linen at 12c a yard, this cloth is worth 15c.
- Plain Black India Linen at 10c a yard, Monday only.
- We have a new line of Curtain Swisses in all sizes of color spots and fancy figures, in 24 and 36 inch widths.
- Fine Port Maitland Lace Nettings for sash curtains, at 5 and 6c a yard.

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is what these ores will be when depth is attained, and if the values will be maintained at, say, 100 feet down, as at present the deepest shaft is about forty feet.

**Notes From Grand Forks.**

Special Dispatch to the Post-Intelligencer. GRAND FORKS, B. C., June 12.—On the Boneta tunnel on Observation Mountain, which adjoins Grand Forks, the miners yesterday struck a fine-grained quartz carrying copper when in 50 feet. This is supposed to be the ledge matter, the main body of which is only a few feet further in. This property is only about a quarter of a mile from the postoffice.

The Observation Mountain Gold Mining Company has just finished sinking a shaft on the Crown Jewel and has exposed a fine body of copper ore.

**Found Everything Deep in Snow.**

Thomas Bowers returned yesterday from Leavenworth, where he took a trip up the Icicle to the Pickwick Mining Company's property near the source of that stream. He found the shaft full of water and covered with fifteen feet of snow, which rendered an examination impossible, but he started work on another shaft. He found the King Solomon also covered with snow, and work had not been started on any of the other properties at high elevation.

**To Mine in Whatcom County.**

Special Dispatch to the Post-Intelligencer. WHATCOM, June 12.—The Quartz Mountain Gold and Copper Mining and Milling Company has been organized here by ten residents of this county to work some claims near Quartz mountain, five miles east of Sumas. The croppings of the ledge are very large and are said to assay about \$39 in gold and copper, chiefly the latter.

**Too Much Snow on the Icicle.**

Special Dispatch to the Post-Intelligencer. LEAVENWORTH, June 12.—Ex-Senator McManus, of Everett, and Frank Reeves, of Leavenworth, went to the Icicle district to look at undeveloped property, but encountered so much snow that they could not accomplish much. They will return in July.

## You Can Drive a Beggy to Any Claim in Kamloops.

KAMLOOPS, B. C., June 9.—It now seems as though this was going to prove a rich district, though it differs from other Kootenay camps, in that it is a high-grade country and you can drive with a dead axle, a wagon with a ton of freight on it to any shaft in the whole district. There are a great many prospectors coming in a number from the Slocan and Kaslo, and there have been probably 50 claims staked in the past three months. Many of the properties are excellent showings.

The mine that W. H. Taylor, of Rossland, took from Passy Clark on a bond, the Iron Ore, assays 9 to 11 2-3 ounces gold, 1 per cent, copper, a total value of about \$225.

Howell Stevenson, the engineer, of Rossland, has with Thomas P. Gower, the Kootenay camp, in that it is a high-grade country and you can drive with a dead axle, a wagon with a ton of freight on it to any shaft in the whole district. There are a great many prospectors coming in a number from the Slocan and Kaslo, and there have been probably 50 claims staked in the past three months. Many of the properties are excellent showings.

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## Blood Humors

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Another claim near by, the Lucky Strike, has four feet of yellow copper ore, giving 24 per cent, copper, 48 gold and a few ounces of silver.

Another claim is the Nelson, which is pyrrhotite, with a great deal of copper and good values in gold and silver. The Nelson is one of the finest ledges in the camp.

But the vein of the camp, from a vein point of view, is that of the Iron Mask. All the others mentioned run practically east and west, this runs north and south. This vein is fully 75 feet wide, with a great amount of red and black oxide of iron in it. But on going down it got mixed with a lot of iron sulphides and iron pyrites. This is a perfect self-fluxing ore. The question for the future of the camp

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