

GOLDEN STAR RAN UP TO 73.

Some Deals in Properties Said to Be Pending in the Slokan Moyle Mines.

EASTERN MONEY FOR THE WEST.

Development of Black Tail—Sales of Stocks for a Week—Mining Exchanges.

Golden Star sold up to 73 on the Toronto Stock Exchange on Saturday. War Eagle and Republic were also strong.

It is reported that deals in several properties near Moyle, in the Slokan, B.C. It is stated that both the War Eagle Company and the British American Corporation are after the Lake Shore, Moyle, Queen of the Hills, Peter and St. Eugene mines. All these properties are on the one ledge, and if the ownership passes, they will go as one group. It is said that J. B. Hastings of the War Eagle Company and a representative of the British American Corporation are both on the ground looking over these claims.

The St. Eugene and Peter property is owned by John A. Finch, Peter Larsen, James Crony and White. It is upon the St. Eugene that the greatest amount of work has been done. The price set by the owners is said to be \$400,000 plus the value of the improvements, which they have in hand, consisting of a tramway, concentrator and ore bins, which are estimated to have cost \$85,000. There is a large quantity of ore blocked out in the St. Eugene, which has an average grade of 25 to 30 per cent. lead, James Crony, superintendent of the St. Eugene, says that by September 1 he will be putting 100 tons per day through the concentrator, which will yield an average profit of \$80 per ton.

The Queen of the Hills and Moyle properties are owned chiefly by P. J. Day of Vancouver, and the price set upon them is placed at \$200,000.

The lowest property on the ledge is the Lake Shore, which is owned by Murphy and others, the selling price of which is said to be \$250,000.

These figures indicate that the deal upon the several properties would require something over \$500,000.

Eastern Capital for the West.
The Greenock, B.C., Miner says that J. B. Moyle of that place has placed the Palmer Mountain mine in Okanagan County, Washington State, with a Toronto syndicate. He hopes shortly to place a Southern Idaho property with Montreal parties.

Development of Black Tail.
The Spokane Chronicle of May 29 says: "The samples from the Surprise vein on the Black Tail ground, in Republic Camp, assayed to-day \$11 and \$14.40 per ton, and the samples from the Surprise vein, \$12.25 and \$13.50. None of these samples showed the presence of more than 10 per cent. silver, and as they were all surface samples the values may be regarded as very satisfactory."

The drift from the bottom of the 40-foot shaft on the Black Tail cross lead is 2½ feet wide, and the drift is a silver, assaying \$15.50 in gold and \$15.50 in silver, making a total of \$31 to the ton.

The crosscut from the main tunnel on the Black Tail property will be started tomorrow and is expected to first intersect the main Black Tail lead and to reach the cross vein by running along the 125 feet distance is made in the survey for the dip of the vein, as if the latter is a drift, it would be a waste of time to run the crosscut would have to be run 80 feet further."

To Detect Gold in Ores.
The following methods, which allow the detection of 0.005 ounces of gold to the ton with certainty, offer all the advantages, and leave nothing to be desired as to practicality or efficiency.

About 4 ounces of the finely pulverized ore is placed in a bottle, an equal volume of fuming nitric acid is added, and the mixture agitated. The contents of the bottle are kept in contact for several hours with occasional agitation, and finally allowed to settle. A strip of Swedish filter paper is then, three or four times, being repeated six times, so as to saturate the paper thoroughly. The strip is then placed in the cup, in case gold is present, will show a purple coloration, which, on pouring bromine water over it, will quickly disappear—a sure indication of the presence of gold. This operation is best performed on a plate.

2. The test for gold described above may be altered in the following manner: About 4 ounces of the finely pulverized ore is covered with an equal volume of bromine water in the same manner as above, and after agitating for an hour, the solution is filtered and the filtrate is added to the filtrate to produce a purple coloration, which, on pouring bromine water over it, will quickly disappear—a sure indication of the presence of gold.

The methods given are especially adapted for the separation of gold from sulphides. It is necessary, however, in this case to add the sulphuric acid to the solution before the process, an operation which can be readily accomplished in a can or pan over the camp fire. When roasting is done, this purpose the temperature toward the end should be raised to a full red heat, so as to induce complete decomposition and render the product porous and easily permeable for the liquid, and bromine solutions. If the ore is to be treated contain an excess of carbonate of lime, the roasted mineral should be gently re-ground, and the bromine carbonate, so as to prevent the entry of much lime into the solution of bromine solutions.

To execute the tests described above there would be required a few empty bottles, a bottle of fuming nitric acid, a solution of stannous chloride, a couple of glass funnels, some of the finely pulverized ore, and a small amount of bromine water. A list that cannot be surpassed for simplicity, cheapness and adaptability.

Transactions of a Week.

Messrs. T. G. Williamson & Co. furnish the following report of sales, with highest and lowest prices, on the Toronto Mining Exchange for the week ending Friday, June 2. Sales for the week aggregated 250,410 shares, as against 180,122 during the previous week. The feature of the week was Golden Star, which advanced from 59½ to 73, with sales of 61,900 shares.

Sales.	High.	Low.
Alice A.	2200	74
Foley	1000	74
Hammond Reef	6000	39
Hawthorn	2000	22
Golden Star	61,900	70
J. O. 41	5250	75
Oliver	200	24
Saw Bill	1000	42
Superior G. & Copper	1000	40
South Hill	1000	18
Camp McKinley	2000	125½
Cariboo	2000	22½
Mineral	2000	22½
Waterloo	17,000	9½
Fairview Corp.	1000	10
Smuggler	2000	2½
Boundary Creek	2000	2½
Rathmullen	21,500	6
Winthrop	6,000	21½
Slokan, Alameda	2000	21½
Adathabasca	2000	40
Darandale	19,500	13½
Noble Five	2000	12½
Rambler Cariboo	5000	32
Wonderful	2000	35
Crow's Nest Pass	2000	35
Republic Camp	2000	133
Republ	2000	133
Van Ande	18,500	7
Big Three	2000	21½

Deer Park	4500	4	3½
Evening Star	850	104	104
Iron Colt	1500	11½	11½
Iron Horse	2000	12½	12½
St. Paul	500	2	2
St. Elmo	2500	5½	5½
Victoria	2500	5½	5½
War Eagle	2500	38½	38½
White Horse	2500	4½	4½
Development Cos.	1000	4½	4½
B. C. Gold Fields	1000	4½	4½
Cariboo	1000	4½	4½
Gold Hills	3000	6	6
Unlisted			
Blacktail (Rep.)	18,000	23	22
Insurgent (Rep.)	3000	8½	8½
Iron Monitor	41,000	2½	2½
California	500	7½	7½

American Canadian (Alice A.)	Asked.	Bid.
Empress	5½	5½
Foley	7½	7½
Hammond Reef	34½	34½
Golden Star	70½	70½
J. O. 41	74	74
Oliver	30	30
Saw Bill	42	42
Superior G. & Copper	40	40
South Hill	18	18
Cariboo	130	130
Winthrop	21½	21½
Adathabasca	40	40
Darandale	144	144
Noble Five	12½	12½
Rambler Cariboo	32	32
Wonderful	35	35
Crow's Nest Pass	35	35
Republic Camp	133	133
Republ	133	133
Van Ande	7	7
Big Three	21½	21½
Deer Park	4	4
Evening Star	104	104
Iron Colt	11½	11½
Iron Horse	12½	12½
St. Paul	2	2
St. Elmo	5½	5½
Victoria	5½	5½
War Eagle	38½	38½
White Horse	4½	4½
Development Cos.	4½	4½
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Toronto Mining Exchange.
Closing quotations on the Toronto Mining Exchange were:

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Empress	5½	5½
Foley	7½	7½
Hammond Reef	34½	34½
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Standard Mining Exchange.
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	Asked. Bid.
Big Three	23 23
B. C. Gold Fields	5 4½
Commanche	11½ 11½
Deer Park	9 9
Evening Star	114 114
Iron Colt	20 19
Montreal Gold Fields	105 105
Monte Cristo	105 105
Northern Belle	2½ 2½
Novelty	5 5
St. Elmo	9½ 9½
Victory-Triumph	9 9
White Bear	105 105
Wonderful	35 35
Adathabasca	40 40
Patience	10 10
Winthrop	21½ 21½
Adathabasca	40 40
Darandale	144 144
Dundee	20 20
Noble Five	5 5
Rambler Cariboo	32 32
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