

uch Carried Man

ves Claim the Estate of Klondiker-Deceased Left a Fortune.

Women Send Accurate Descriptions of the Dead Miner.

Dawson is enjoying a second bereavement by the death of a rich man, a common English name, that of William H. Sutton.

He died February 1, 1899, in the district, and is reported to have left an estate of some \$200,000, which is being divided among his relatives in addition to various bequests.

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Mining News

Slocan Mineral Float

Merrimac is to be surveyed for a Slocan mine.

Slocan mines shipped 834 tons of copper ore last week.

Work has put on a small force of men necessary outside work.

Four men are working on the Hewitt, and one on the Spokane.

Eight inches of ore broke into the face of the drift on the Queen Fraction last week.

The ore chute continues in strength at the Marion. About a carload of ore was dumped.

The force on the Marion has been increased to 10 men. Another tunnel will be commenced on the lead.

The new workings on the Anglo-Saxon are fifteen feet under ground. The quartz is mixed with iron, galena and zinc.

Harry Sheran and William Thomlinson are working on the Jackson mine. They are taking out some fine ore.

The head officers of the Rambler-Cariboo visited that property last week. They have increased the force and the output will be enlarged.

A well defined quartz ledge has been discovered on the United Empire, Ten Mile. Considerable iron and sulphide ore is mixed through it, giving good values.

The Black Cloud adjoins the United Empire on the west and the Weymouth on the north.

Above and below ground 25 men are employed on the Rambler-Cariboo. New drifts are being erected and everything put in shape for the winter.

The work done recently on the Bird, below the Dalhousie, Ten Mile, has greatly improved that property. Some fine ore is showing in the face of the drift.

An assay made on Monday on the ore taken from the recent strike made on the United Empire, Ten Mile, gave a splendid result of \$21.80 in gold and 392 ounces silver.

The Butte, north fork of Ten Mile, has a fine showing. The new drift is in 25 feet, with several stringers of good quartz in the breast. One of these has a rich lead.

On Monday the owners commenced work on the Mollie Hughes. Two men are employed, with T. Avison in charge. The operations will be confined principally to the No. 1 mine and shaft.

The Dardanelles will be pumped out this week and work with the Burleighs resumed. Twelve men will be employed. The company has 800 cords of wood on hand, and has just put in some new machinery. The shaft is down 507 feet—New Denver ledge.

Rich Slocan Claims. Mr. C. W. Brewster arrived at Rossland on Tuesday from a visit to Camp Lodge and Eastern Township properties. These are located about 12 miles from Rossland, in the heart of the Slocan, and are owned by Mr. Brewster and Mr. S. R. Hartman.

Mr. Brewster has just finished the assessment work on these properties. A ten-foot shaft has been sunk, and a vein of galena ore five feet thick has been exposed. Two assays were made of the ore, and one goes 70 ounces in silver to the ton, and the other \$138 in all values. The property adjoins the Big Jim, which is owned by the Martin Brothers.

The Martin Brothers are in possession of a government trail, which it is the intention next year to turn into a wagon road. Messrs. Hartman and Brewster are much elated over the find, as they consider that they have a very valuable property in these claims.

Camp McKinley Notes. Mr. E. G. Warren recently returned from a two months' stay in Camp McKinley, where he was manager of the McKinley-Kamloops Mining Company. In speaking of the affairs of that camp he said that on the Kamloops a double compartment vertical shaft is being sunk, which is to go to a depth of 200 feet. The shaft is now down 50 feet. When the 200-foot level is reached a crosscut will be made to the ledge, and when it is found drifting will commence both ways along the ledge. The ledge has been sufficiently prospected by shafts sunk since the start of the year. The company is making exploration at depth. The work is being pushed by a good force of men at present.

On the Minnehaha a five-drill Ingersoll-Sergeant compressor and an 80-horse power boiler have just been installed. The plant is to be used to extract ore in sufficient quantities to run a 10-stamp mill which the company has ordered. There is considerable high grade ore in sight in the mine.

The Sallor is sinking a vertical shaft on a contract for 100 feet, and when that depth is reached a hoisting plant, which was recently ordered in this city from the Jencks Machine Company, will be installed.

The Waterloo and the Fontenoy have just installed small hoisting plants, and are working steadily on the development of their properties.

From the best information obtainable, it is learned that the Cariboo never looked better than at present. The ore is furnished to the mill in sufficient quantity to keep 20 stamps running night and day. The mill reduces between 50 and 60 tons a day.

The Granite has five stamps running, and is pushing the development work on its mine. Several small gold bricks, worth about \$50 each, have been shipped to Vancouver from the Granite mill.

There are a number of other properties being operated, and the camp is enjoying a steady growth, with the promise of growing to much larger proportions during the next year or two—Rossland Miner.

Two Properties Consolidated. Two months ago the Eastern press announced the sale of the Fidelity mine, near New Denver, to Montreal and Spokane parties. This has turned out to be incorrect, as T. J. Lendrum, when in New Denver last week, stated that the mine had been sold to the Northwest Mining Syndicate, who owned the adjoining property, the Boson. W. H. Sanford, manager of the syndicate, explains that the deal is in the way of an amalgamation of the two properties, both to be operated under one management, and from the lower and more advantage

ous workings of the Boson. So far the actual conditions and terms have not been made known, but sufficient has been gleaned to warrant the assertion that the properties will develop into big things under the new management. The accidental discovery of the Fidelity, its subsequent development, and its final passage into the hands of Scott McDonald and his associates is sufficiently well known by this time. There are both prospectors, and future operations already planned will enhance greatly the value of the group. By the use of the Boson workings the vein on the Fidelity can be worked at a minimum expense, as the ore from the former is placed on the what ready for shipment at 90 cents a ton outside the actual mining.

Coal in the Boundary. The first discovery of coal in the Boundary country, it is alleged, has been made by Robert Clark, a well known rancher and prospector. The seam is said to average 25 feet in width. It is located on the mineral claim on the north fork of Kettle river. Jay J. Graves, the well known mining man and another magnate, has purchased a half interest, and the development of the property will be commenced.

Mr. Clark located the Laurier veins years ago, and has done considerable work in opening up two ledges, which give good assays in gold and copper. He sold a half interest last fall to A. Campbell, of Johnson, Nelson, B. C. For a long time past Mr. Clark has been aware of the existence of a darkish slate colored ledge on the Laurier, but until recently never considered the possibility that it might contain lead. The lead at various points is over 100 feet wide. Two weeks ago he re-examined the showing, and at a point where it strikes Fisherman's creek found what he considers to be lignite coal. The pay streak, or seam in the cut banks of the stream is about two feet wide. Tests showed that the product burned very well, and emitted a strong heat. Mr. Clark, in accordance with the law, retained the claim as a coal location, and also recorded similar locations on adjoining property belonging to other parties. He now holds 640 acres.

It has transpired that Jay P. Graves has secured the half interest after the fact had been examined by A. W. B. Hodges, superintendent of the smelter now building at Grand Forks. Mr. Hodges is also a mining engineer. He declined to discuss the matter, contenting himself with the observation that a coal mine in the Boundary district would result in the reduction of smelting charges to \$2.50 per ton.

Mr. Graves took several samples of the coal with him to Spokane last week in order to have it fully tested and examined by experts.

Major J. Edwards Leckie, C.E., superintendent of the Republic mine, on behalf of Montreal parties, has just bonded from E. Spraggett, Grand Forks, and J. McGregor, Nelson, Wash., the owners of the Yankee Boy, the Yankee Girl and the Bell. The consideration is twenty-five thousand dollars. The properties are now situated on Hardy mountain, three miles from Grand Forks. The deal was negotiated after they had been thoroughly examined by Major Leckie. As regards from the face of the hundred foot tunnel at a depth of one hundred feet on the Yankee Girl gave average values of \$50 in gold per ton. The values obtained from ore in the bottom of the 200 foot shaft of the same claim averaged \$71 in gold per ton. Development work will be commenced this week. Steps are being taken to crown grant the properties. There is every probability of the Yankee Girl becoming a mine—Rossland Miner.

Development at Fairview. It will be gratifying news to those interested in the success of the mines at Fairview to know that the prospects of extensive development in that camp have now materialized into certainty. Some time ago, when writing of the magnificent property known as the Stenwindler, we remarked that as the ledge continued westward and was plainly traceable through the Morning Star, on to the Flora, Western Hill and Virginia, three claims now known as the Granite group, and owned by the Dominion Consolidated Mines Company, of which G. H. Maurer, now in Montreal, is president, and L. W. Shatford, of Fairview, secretary-treasurer. This ledge may safely be classed as one of the best defined fine milling ledges in British Columbia, and it is only a matter of time until all the above named claims will be known far and wide as paying mines.

Mr. Shatford has just returned from a trip to the coast, where he disposed of a 50,000 block of shares, and Mr. Maurer is now in the east completing arrangements for the shipment of a six drill compressor plant, which will be installed at the earliest possible date.

In the meantime, operations will be actively continued by hand, and the company has already shown its ability to carry on the work in the most approved manner. Operations are conducted under the experienced management of Mr. Shatford. The extent of this quartz ledge is being run on the Flora, and a shaft, which has now reached the depth of 90 feet, is being sunk on the Western Hill. A tunnel will be driven to tap this shaft at a depth of about 470 feet, and another tunnel will strike the levels. It is the intention of the company to continue work with the object of being able, within the next year, to take out 250 or 300 tons per day. The extent of this quartz body is practically unlimited, as has been demonstrated in the Stenwindler mine, and the facilities for operating a big stamp mill are of the best. The value of the rock at present depth averages \$3 and \$4 per ton, and there is every reason to expect increased values with greater depth, though even at these figures an extremely handsome profit can be obtained, as it is probable that the total expense of mining and milling will not exceed \$2.50 per ton, and may even amount to considerably less with such an extensive body to work upon.

Before leaving for the south on Thursday, Mr. Shatford received a telegram stating that the compressor plant had already been shipped. It will probably be in position by the end of the month—Vernon News.

Phenomenal High Values. Good things seem to be the order of the day in New Denver district. Numerous mineral strikes and developments have taken place, and a number have been added to since Monday. The owners of the Ruby claim, located close to the Neglected, have been exploiting

their ground and have shown up a healthy looking ledge. They brought returns showing the phenomenal high value of \$23.36 in gold and 1,343 ounces of silver. The ore was taken from a three inch paystreak, close to the wall. This, as well as other recent discoveries, has been made on ground which in past years has been held to be barren and worthless.

Noonday Reported Sold. Parties down from the Slocan report that three-quarters of the Noonday mine has been sold to parties represented by Percy Dickenson, of Slocan City. The deal is being completed, but it is generally understood that Benedum and the Stewart brothers, who have a lease and a bond on the property, retain a quarter interest, and that the Dickenson syndicate get the other three-quarters. For the present the management will be retained by Mr. Benedum and his partners. The Noonday is one of the oldest locations on the Galea Farm, and showed large deposits of silver and lead. The owners failed to find the ledge, but the lessees were fortunate in striking it shortly after commencing work. It has since developed into a regular bonanza, upwards of 400 tons of ore having been taken out and shipped. It is most conveniently located, and most easily handled and developed—Nelson Tribune.

An Important Strike. Mr. A. G. White reports that a strike of considerable importance has been made on the Copper Wonder, on Sophie Mountain. Men have been working sinking a shaft on No. 5 lead, and at a depth of five feet have encountered a fine ledge. The gangue is white quartz, and carries copper and galena sulphurets, similar to that found in the Victory property. The ledge in the bottom of the shaft is at least six feet in width, but it has not yet been crossed, its extent is not known. The copper is about 100 tons on the surface, and is traceable for 600 feet. Considerable surface work has been done, exposing the vein. This find has greatly encouraged the prospectors, and it has been decided to energetically push the work of exploration on the property. This find was made by Mr. Ben W. Fennell, who is in charge of the work on the Copper Wonder.

Work has been in progress on the Princess property, which adjoins the Portland on the west. This property has an extension of the lead of the Copper Wonder. The surface is being prospected by means of open cuts through the drift and capping. This lead is considerably more covered with iron capping than is the ledge on the Copper Wonder. In one of the deepest cuts considerable white iron has been found, which leads to the belief that when a little more depth has been gained an ore body will be met.

From Silverton. A tunnel is being driven on the Viona claim, one of the promising properties belonging to Ed. Stewart.

On the east fork of Wilson creek and adjoining the Martin Group is a promising prospect belonging to J. Libby. On this property is a big concentrating proposition over 50 feet wide, being an altered quartzite dyke carrying values in silver and lead. Specimens assaying as high as 200 ounces in silver and 65 per cent. lead to the ton being obtainable.

About one mile from Rosebery and adjoining the Royal Fire Group is the Maple Leaf claim. This property is one of Rosebery's most promising prospects, and is owned by E. Malloy and W. C. Silverton. The vein, which is from 18 inches to three feet wide, has been traced, on the property, for over 1,000 feet, numerous open cuts have been run on it and a shaft started, on which considerable work will be done this winter. The vein lies in a granitic formation and the ore is dry, carrying values of 36 ounces in silver and \$13 in gold to the ton. It is a good surface showing and with work should make a big mine.

Among other claims on Wilson creek on which considerable development work is being done is the Jennette. This mine, for it has virtually passed the prospect stage, lies up the creek about six miles from Rosebery. The property is owned by given steady employment and the development work is being driven night and day. The mine is opened by tunnels, the longest one of which is now in 350 feet. The vein is from 12 to 200 feet from Grand Forks. The property has several fine surface showings. It is situated northeast of the Pathfinder mine, and it is claimed, possesses the same ledge. The bottom of an 18-foot shaft is in ore. The ledge has been crossed on the surface in five different places. The later owner was G. W. Walters. Mr. White purposes sinking to the 100-foot level and then crosscutting. He is the holder of the full share (Chicago, Oregon, New Last Chance, Bartrique, Brooklyn and other well known north fork claims).

The Royal Canadian group on the west side of the north fork of Kettle river comprises five claims. Four of them are located on the ledge of the famous Seattle. The tunnel which is now in 35 feet will be run 65 feet further to tap the ledge at a depth of 35 feet.

The Rio Tinto Mine. The Rio Tinto mine, of which Mr. W. A. Carlyle has been appointed manager, is situated in the north fork of Kettle river, on the south of Spain. At present it employs 14,000 men, from which it will be seen that it is operated on a very extensive scale, yet though it has been worked from a depth of about 470 feet, it is still time immemorial, it is big fair to remain one of the greatest copper-producing mines for centuries to come. Over 2,000 years ago, long before those mining miners, the Phoenicians, secured the mine, it was made to yield copper for the artificers of those days. These ancient miners left 180 miles of underground workings as evidence of their industry, or the industry of their slaves.

The ore body of the Rio Tinto is undoubtedly the most wonderful in all the history of mining, in which history the mine has from the beginning played a leading part. Practically the only known limit to the ledge is its width, which is 1,000 feet. It is not noted for its richness, carrying 2.8 per cent. copper. Last year the mine produced 1,500,000 tons of ore. Of this amount 800,000 tons were shipped and sold. The remainder being treated on the ground in the manner contemplated by some of the early workers. The ore is placed on large roasts where, after being roasted, it is allowed to leach, the copper running out in the form of copper sulphate, to be precipitated as metallic copper in large tanks of electrolytic solution. This system of treatment has been followed from time immemorial.

Last year the mine produced nearly 75,000,000 pounds of copper, and paid \$4,500,000 in dividends. The estimated value of

the mine at the present day may be told from the price of the stock. It is now being quoted on the market at over £90, which would make the market value of the property \$90,000,000. The stock is held principally in England, Scotland and France, the Rothschilds and their associates holding the control.

Mr. Carlyle expects to assume his new position on January 1, but will not take charge of the Rio Tinto until April 1, as it will take him fully three months to familiarize himself with the property.

Around Moyle. Several of the mines in the neighborhood of Moyle, in East Kootenay, are owned by Toronto men, and every one of them is at work. There are now four big mines within a radius of four miles of Moyle and many promising prospects, some of which will probably develop into good properties. All the big mines are in the hands of wealthy companies and are employing many men. Manager Cronin is now working about 50 men on the St. Eugene, a controlling interest in which was recently sold to the Gooderham-Blacklock syndicate of Toronto. This force will and is expected to over 100 men as soon as the new concentrator is started, which will probably be in about forty days. Forty men are working on the Lake Shore, the property purchased a short time ago by J. C. Dewey for the Canadian Gold Fields, another Toronto company. The Queen of the Hill and Moyle properties have been floated in England for \$450,000. Nothing is now being done upon them, but under the direction of a large amount of money is provided for development work. The Society Girl, which belongs to Farrell brothers, local men, is also in good condition, because it is being worked.

Rich Ore. Some very rich pockets of ore have been struck recently in the gold properties in Kootenay. At the Athabasca a short while ago a pocket of ore was broken into which gave returns of from \$1,400 to \$1,700 in gold. Mayor Neelands received a 30-pound sample of this ore which gave a sample value of \$1,465. At the Porto Rico property also some very rich pockets are being struck with and every effort is being made to keep the value of the ore from being known. The management, however, have arranged to send a ten-pound sample to the Spokane fruit fair, the sample value of which is \$100. The estimated value of the ton of such ore would be worth \$20,000.

The Lade group, situated on Galtner creek, a tributary of the south fork of the Lardo, about ten miles from Ferguson, is probably the most uniformly rich property in Kootenay. It is a gold ore and assays frequently indicate values of \$800 to the ton. Ten tons of sorted rock were shipped from the property, which, after deducting all charges for mining, packing and freight and treatment, yielded a net owners a profit of \$240 per ton. It is a small property, but the owners—the Lade brothers—recently refused a cash offer of \$40,000 for it—Nelson Tribune.

Rossland Camp. The Rossland Miner, in its weekly mining news says:

The mines of the camp were practically shut down for two days during the past week in order that the employees might properly celebrate Labor Day. This retarded development work and cut down the ore shipments. The mining situation is very encouraging, however, and the prospect of several shippers before long is good.

Another mine joined the list of shippers at the week the Virginia mine, 1,512 tons of ore to Northport, and the Evening Star 315 tons to the same smelter, the balance of the shipments went to the Trail smelter.

At the week of the past week. Year. Le Roi 1,512 39,783.5 Iron Mask 180 2,928 Evening Star 315 7,918 Centre Star 615 1,617 Columbia-Kootenay 40 31.5 Virginia 40 40

Total 3,127 105,707.5

Homebake.—The work of development on the Homebake is now in progress for a distance of 500 feet, and the work of crosscutting to the south has been commenced. This crosscut, it is anticipated, will shortly intersect the ledge under the big showing on the surface. The main drift has been driven in for the sole purpose of reaching a point underneath the large surface outcrop, as it is thought that here will be found the main pay ore chute of the property. The face of the long crosscut is looking very well.

Southern Belle and Snowshoe.—Work is being carried on energetically on this property. The Snowshoe ledge is being drifted on for the purpose of ascertaining if a pay ore chute can be found.

Virginia.—An important incident in the development of this mine was the shipment during the week of 40 tons of ore to the Trail smelter. This ore is of good grade, and was taken out of the new ledge. The drift has been driven in for the sole purpose of reaching a point underneath the large surface outcrop, as it is thought that here will be found the main pay ore chute of the property. The face of the long crosscut is looking very well.

Phonographic records of messages borne upon rays of light are made and reproduced in the new apparatus of Josef Charfa, of Lemberg, Austro-Hungary. The recorder is a box with a mirror, a diaphragm, and its reflections are passed through a prism and focused upon a rapidly moving chemically-prepared tape. The vibration of the reflector by the voice affects the intensity of the reflected light, causing the action upon the sensitized strip to vary. In the reproducer, the unrolling strip reflects a ray of light upon the rim of a rapidly moving wheel made up of many strips of selenium, which are in a telephone circuit. The variations of the record strip are claimed to vary the current passing through the selenium—that is, to vary the resistance of the selenium—and thus to cause the sounds recorded to be reproduced in the telephone.

The French budget for 1900 shows an increase in the estimated expenditure of 45,000,000 francs. The war and marine ministries ask for 300,000,000 francs. The supplementary force in Algiers and the building of new warships. The national debt amounts to thirty milliards.

Baron Watson, lord of appeal in ordinary, and former member of parliament in the Conservative interest for the universities of Glasgow and Aberdeen, died yesterday in his 71st year.

GOOD ENOUGH TO TAKE. The finest quality of loat sugar is used in the manufacture of Chamberlain's Cough Remedy and the roots used in its preparation give it a flavor similar to that of maple syrup, making it very pleasant to take. It is a medicine for the cure of coughs, colds, a gripple, croup and whooping cough. It is unequaled by any other. It always cures, and cures quickly. For sale by Henderson, Bros., Wholesale Agents, Victoria and Vancouver.

foot level. The 350-foot west is being opened up, and good ore has been followed for over 60 feet. The face of the drift being still in ore. Stopping is in progress on the 200 and 300-foot levels, west of No. 2 mine, and on the 350-foot level east of No. 1 mine.

Drifting along the ledge on the lower tunnel is making good progress. The walls continue to be well defined and the ore body of the same width, about four feet. On this level the same sort of ore continues to be met as was encountered in the first 100 feet. The intention is to drift 200 feet further, and to make an upraise from the lower to the upper level. Some of the pockets found recently in this property carry very high values in gold.

Work is making satisfactory progress in all parts of the mine and the showing of ore is increasing steadily. The main drift is now in for a distance of 373 feet, and it is anticipated that it will intersect the vein within the next 30 feet. The work of drifting on the ledge is still in progress on the 250-foot level and the nature of ore here is a satisfactory one. The work of crosscutting the ledge has been commenced on this level, and in a few days its full width will be known. The ore on the 250-foot level is of a very high grade, running up to 20 per cent. copper and \$16 in gold.

Slaking continues in the main shaft, which continues to show beautiful ore. From the 575-foot level to the 650 there are very large reserves of ore, and in the lower levels, which are now being opened up, there is every indication that the great ore body of the mine will at least hold its own.

White Bear.—The vertical shaft has reached a depth of 335 feet, and slaking is continued. When the 350-foot level is reached a crosscut will be run to the north, the shaft having left the ledge some distance in that direction. There are indications of good mineral in the bottom of the shaft, the manager says.

Gertrude.—Prospecting on the surface continues, while the drifts along the ledge from the 200-foot level in the shaft are being pushed forward as rapidly as possible with hand drills. The shaft has now reached a point 53 feet from the shaft. Fifteen men are at work.

Green Mountain.—Work on the shaft continues, and it is now down for a distance of 230 feet. The indications of the 200-foot level are so encouraging that it has been decided to commence crosscutting soon.

Great Western.—The work of unwatering the workings is expected to be finished during the week, and development will be resumed at once.

Centre Star.—All possible speed is being made in the installation of the new power plant, and it is expected that shipments will be resumed in the near future. In the meantime development work is in full swing, and large quantities of ore are being blocked out.

Lily May.—Ore is being taken out of the 50-foot level.

Sunset No. 2.—Work is now being concentrated on the No. 2 and No. 3 ledges, near their point of juncture, and the indications of the drifts are said to be most satisfactory. The usual number of men is working.

Ethel Group.—Work on this property, which is situated on Murphy creek, will be resumed during the present week.

Mabel.—Work in the lower tunnel still continues.

Mascoe.—The work done on this property only serves to show the importance of the recent find.

Menahla Trail.—The work of development continues on this property. The concentrator is practically finished.

No. 1.—Sinking on the 400-foot level in this property will be resumed in the near future. In the meantime drifting and raising is in progress between the 200 and 400-foot levels. Eight machines are working.

Columbia-Kootenay.—Development continues in all parts of the property, and a good deal of ore is being blocked out.

Deer Park.—No. 2 tunnel, on which work is now being concentrated, is now in 698 feet and progress at the rate of 36 feet a month is being made. Twelve men are employed on the property.

New St. Blain.—Work on the tunnel and drift continues.

Jose and Annie.—A station is being cut out at the 500-foot level in the shaft.

Nickel Plate.—The shaft, which is now down 440 feet, will be sunk to the 400-foot level before drifting is resumed.

Copper Wonder.—Near the surface on this property there has been made a find of quartz carrying copper and galena sulphurets that promises to be important.

Royal George.—The shaft has now reached a depth of 24 feet. Work is also in progress on the surface where prospecting is being carried on with the idea of finding the apex of a pay ore chute.

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