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on the Cup. (Special.)—Richard... Tamblin's rink... cup by a... game was a... close art to... finish and... This is the... and by the... have been played... was so poor... decided to play... belonged in... arranged for... this by a number of...

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19.—The C.P.R. \$500,000 in enlarg... and making it... on the coast... as returned from... ed plans of the...

Kamloops

James Wilks, or... Federation of Min... nized a miners... urday night, There... ip of 41, and they... ease to 100, Wilks... ntative of the... Trainmen and... ds.

C., of Vancouver, port visit.

MINING AND... NY, LIMITED.

general meeting of... Smelting Com... held at the office... "Winnipeg" Mine... on Saturday, the... D. 1901, at the... in the evening, for... report of the... manne, in which... npany disposed of... taking such action... be deemed advis...

February, 1901. RD PLEWMAN, Liquidator.

Price \$15.00 including 16 inch horn, 3 records and record sound box.

phone

reproduces Sousa's... than any other... and operatic select... as Coos songs... is sold with a five...

will last 10 years.

for Canada. MONTREAL.

ROSSLAND WEEKLY MINER.

Two Dollars a Year

ROSSLAND, B. C., THURSDAY, FEBRUARY 28, 1901

Sixth Year, Number 18

FROM OTHER CAMPS

Smelter Propositions in the Neighborhood of Kamloops.

IMPORTANT LARDEAU DEALS

Notes of Interest From Kamloops, Lardeau, Big Bend, South East Kootenay, Sandon, Alasworth and Boundary—Renewed Activity in Mining.

The approach of spring is being signified by the renewal of mining activity which is being reported all over the country. In Kamloops what is principally occupying the attention of the mining public is the advent of a smelter. It is thought as to its advisability, but a question as to the greater or less desirability of the various sites propounded. Lardeau seems to be most concerned over the approaching railroad and there is a distinct tendency evinced to await its coming before much shipping is done. Indeed with the disappearance of the snow rawhiding will cease and the transport of ore over the difficult wagon roads is an expensive luxury.

From the Slovan reports arrive that the Kaslo smelter is likely to be up and running before long and the mind of the denizens of Kaslo seem chiefly exercised over the imputation that there are not sufficient dry ores in the neighborhood to admit of the successful running of a lead stack. This is strenuously denied and the capability of the mines in the neighborhood supplying from 500 to 1,000 tons daily of dry ore is strongly asseverated.

KAMLOOPS.

Activity in Smelter Sites—A Prospective Dividend Payer.

Mr. E. Fowler has arranged for the purchase of the Mission property for \$60,000 for a smelter site and intends to lay out a townsite.

The Iron Mask people are reported to have bought a smelter site near the head of Kamloops lake. This is the fifth site secured so far. The Tenderfoot mine is being developed rapidly, and there is about three or four feet of good ore showing at the end of the tunnel. The ore is chiefly copper pyrites and bornite.

The different smelter projects are being actively pushed and the only question is who will have their smelter built first. As soon as a smelter has been blown in, it will find the ore ready for it.

Prospecting at the Copper King is showing a hitherto unsuspected large body of ore. A crosscut from the drift is now in eight feet in uniformly good ore all the way. This, with the width of the drift, makes a total width of 13 feet of ore.

It is not easy to obtain information of the work on the Iron Mask, as the proprietors are not speculators, and are striving to do any business firm goes. There is, however, a large force of men at work, and the ore being raised is from the 158-foot shaft and is excellent.

THE LARDEAU.

The Black Warrior—Some Important Deals Put Through.

Ole Sandberg has sold his interest in Wa, on Laforme creek, to W. B. D. E. Allan of Calgary, has transferred his interest in the Chilcat, Noble and Treadwell, Wa Wa and White Elephant claims to the Double Eagle Mining and Development company.

The Double Eagle Mining and Development company have sold to Alfred Metavious Kirby of London, England, the White Elephant, Treadwell and the Three claims, and an eighth interest in the Wa Wa and Chilcat claims on Laforme creek, Big Bend, and also a third interest in the Moscow claims on Pool creek.

character and which will be of great importance to Revelstoke. Mr. Kirby being expected from London next month to make arrangements.

The Black Warrior group is situated on the head of McDonald creek and is reached by a good pack trail at a distance of about nine miles from Ferguson to Black Warrior cabin. There are four claims in this group, with a fine showing of ore on three of them. There is also abundance of timber on the fourth for mining purposes. The ledge lies in a wide belt of slate about seventy-five feet from one of the strata of lime which runs through the country. A considerable portion of the ledge has been uncovered of from sixty to seventy feet in length and two and a half to three feet in width, lying along the contact. The ore consists of galena and runs 150 oz. in silver, \$8 in gold and 50 per cent lead. Thomas Horn, the owner and locator, has started a tunnel to tap the ore chute at considerable depth. It is now in about 210 feet. Mr. Horn expects to reach the ore chute in about 70 feet more, drifting and crosscutting. There has been a lot of work on the last 15 feet of work and indications look encouraging.

BIG BEND.

Work Starting Up in Readiness for the Spring.

The French Creek company have a man looking after their property. There are not over 20 men altogether working in the Big Bend section. Raymond Allen on Goldstream takes out more or less gold with his small hydraulic plant.

Messrs. McCallum and two men are working on the McCullum group on Carnes creek.

J. D. Boyd, who came in from the Bend last week, says this is the duller season he has known in the section.

The men working on the Standard had gone through six feet of concentrating ore by latest accounts, but had not reached the wall.

Harry Howard ran an open cut last season on this placer claim on Smith creek and is getting in shape to work this property in the spring.

On McCullough creek caretaker Caesar is getting the rifles in readiness to start work in the spring on a property owned by an English company.

SOUTHEAST KOOTENAY.

The Estella, Anchor, Beaver, Copper Giant and Other Properties.

The Estella, it is said, is looking remarkably well. Late reports from the property are to the effect that if there is a mine in the country it is the Estella. It is reported that a deal has been consummated on the Blue Grouse, one of the well-known Sand creek properties. The details of the transfer have not been made public.

Work is progressing on the Anchor property at Kitchener, and as they approach the lead the prospects look brighter. It begins to look as if the company had a mine in that property. Active development will continue.

Bishop Bros., the owners of the Jessie, are engaged in developing that claim. The tunnel is now in 230 feet, and in prospecting work a large body of quartz has been crosscut which will run well in gold.

McBain and son are developing the Beaver. The shaft is now down 35 feet and in a crosscut at that depth the lead has been encountered. The ore is copper, carrying gold. The work so far is showing up the property in good shape.

William Langley returned from a visit to Sand creek Friday last. He reports considerable work going on in that section. At the Waterfall Breckenridge & Landvase a small force is employed.

The tunnel is now in 110 feet. There has been a change in the formation and small seams of talc, iron and quartz are coming in, which is a strong indication that the lead is not far distant.

John Hutchison has secured a bond on the Copper Grant, the promising copper property near the boundary, located by M. Phillipps. An assay from Treadwell shows 23.2 per cent copper and \$3 in gold. Mr. Hutchison is negotiating with a Boston syndicate that may take up the property. There seems to be no doubt that there is a great copper belt along that district, and that there will be some rich properties developed in a few years.

THE SLOVAN.

The Shipments for the Week—Work on the Sunset.

A full force of men is being put on at the Hillside. The Sunset is developing into one of the best properties in the camp. A shipment of 15 tons of ore was made last week from the Chapleau. The Ruth is the largest property that has stopped shipments owing to the smelter trouble. The Payne, Last Chance and Ivanhoe are getting their round timber from McGugan. The Red Fox is being worked through the old Antoine tunnel. Ten men are employed. Ore is being sacked from the upper workings. Thirty-eight men are on the Rambler-Carbo payroll. The shaft from the 300-foot level is down 200 feet, and will be sunk another 100 feet. The Whitewater mine is working full handed, but shipping no ore owing to the smelter difficulty. There is about 800 tons of ore awaiting shipment.

C. C. Bennett, representing Vancouver capital, has taken a bond on the Prescott. Work will be commenced at once, the bond calling for the expenditure of \$10,000 this year.

Reports from the Hartney are of the most encouraging nature. They have ore in all their workings, and in the lower tunnel the shoot as increased in width and richness. It is high-grade steel galena.

As was predicted by the experts familiar with the Chapleau ore, it has been proven to the satisfaction of the management that the mill recently installed on the property will not save the values in the ore, and, in consequence, the property has been closed down.

At the Emily Edith mine ore is being brought down from the mine to the flat at the head of their wagon road and ore shipments from that property may be begun at any time. The Emily Edith is working a force of about fifty men and has developed into one of the biggest concentrating propositions in the Slovan. C. Dempster of Rossland, last week bought the Republic group, situated close to Slovan City, paying cash for the property. Five years ago Dave Sudherland and Tom Montgomery staked the property, and have since put a great amount of work on it, showing up two leads carrying pay ore.

At the Pinto, one of the Mollie Hughes group, work is going steadily toward the tunnel has been driven on the lead 50 feet, and ore has been taken out most of the distance. That a deal will soon be made on the property whereby eastern Canadian capital will be interested is almost a certainty.

When the Ivanhoe can get a sufficient supply of water, which will be as soon as the weather softens, the mill will be operated night and day. The class of ore being shipped down gives a ten per cent feed after the clean ore has been picked out on the conveyor belt. The loss in the tailings is only 3-10 of one per cent lead and three ounces silver.

The cross tunnel being driven upon the Silverton Boy claim, near the Emily Edith is now in over 300 feet and the lead is expected to be encountered within the next few feet. The surface showing on this vein of rich galena ore is excellent, and if the tunnel, being in the east as good a showing below it will not be long before the Silverton Boy will urge on our shipping list.

Under the supervision of Angus McLean some prospecting work is being done upon the Iron Horse claim on Ten Mile. A shaft lately sunk has disclosed a paystreak of over eighteen inches of clean high grade ore. As early in the spring as practical a full force of miners will be put to work upon the claim and development work pushed ahead as fast as possible. The Iron Horse for the amount of work done upon it gives promise of developing into a very valuable property.

Mr. J. C. Drewry, managing director of the Canadian Gold Fields syndicate and the company's mining engineer came down from Whitewater on Tuesday last and are registered at the Kaslo hotel. The company is operating the Sunset at Whitewater and have a force of 17 men at work on that property.

Each part of the machinery in operation will have to be subject to some slight adjustments as use discovers the weak points. On the bins over the railway track aprons of iron are being so adjusted that they will be worked in sets of three (one set to each truck) by cylinders governed by compressed air. In this way the movement of a lever fills a 50-ton car in a few minutes, and three such cars can be loaded simultaneously. The aerial tramway has a capacity of 100 tons per hour, leaving plenty of time for the shifting of the cars under and from the bin shoots.

THE BOSUN MINE.

A Slovan Property That Has Paid From The Grassroots.

Mr. Wm. H. Sandiford, M. I. M. M., manager for the Bosun Mines, Limited, which is operating the Bosun group of six claims near New Denver, was in the city for several days recently accompanied by his son, who is the assistant manager. This mine is one of the successful ones in the Slovan. It has paid from the grassroots. The ore, which is silver-lead, averages about \$100 to the ton. It has been developed, Mr. Sandiford says, by a series of six tunnels, one below the other. The sixth, or lower tunnel, which was driven 600 feet through a soft formation, has finally intersected the ledge, and this places the mine on a firmer basis than ever before. Mr. Sandiford and son while here visited several of the mines, and said they were most favorably impressed with the large tonnage of gold-copper ore which there is in sight.

Remarkably Rich Ores.

Current statement is made of a recent discovery in an Eastern Oregon gold mine of a vein 25 feet wide in which from a "streak" of ore 12 inches in width "several chunks of ore, each as large as a man's head, have been taken out, which yield one-third gold." With no more than passing reference to the statement, which may or may not be true, it is a matter of record that a rich ore streak will produce great stores of treasure from a very small space. Over \$2,500,000 has been taken from a space "the size of a three-room cottage." From one little "pocket" in the Moose mine, near Alma, Colo., about \$1,000,000 was taken. The same holds good regarding several old deposits in Placer, Tuolumne and other California counties. The Rhod's claim, near Murphy's, Calaveras county, Cal., produced \$250,000 from an area 40x100 feet; twenty pounds of gold were taken out in twenty-four hours. A similar area in the Janieson claim, Iowa Hill, Placer county, Cal., yielded over \$500,000; the Dardanelles claim, Forest Hill, in the same county, yielded \$2,000,000; near Springfield, Tuolumne county, Cal., single miners' carloads of "pay dirt" yielded out \$1,000 each. This constitutes one of the charms of mining. Development of a "prospect," proper working of a "mining claim," may make each of its 1,500 feet worth more than the most valuable 1,500 feet work property on Broadway, New York.—Mining and Scientific Press.

THE BOUNDARY.

The King Solomon—Emma Joins the List of Shippers.

The City of Paris mine in Central camp is shipping to the Granby smelter again, about 10 tons of nice ore having been sent down during the week.

As a result of the rich strike on the Sallie last week, Superintendent Vacher has put on three extra men. He has now a force of twelve men at work. A Logan's pack train is kept busy rawhiding the ore to Beaverton.

A load of rich looking ore was brought to the Greenwood smelter from the Little Bertha on Sunday last. The Little Bertha, which is situated on the north fork, is owned by a company in which A. T. Kendrick of Greenwood is heavily interested.

build a spur one and a quarter miles in length to connect the property with the smelter.

The Emma, Mann & Mackenzie's big property in Summit camp has joined the list of shippers and has sent out several hundred tons of ore to the pyritic smelter at Boundary Falls during the past week. This property has been under development for about three months and is noted as one of the best in that rich camp. It was one of the earliest developers of the Boundary country, but lay idle for about three years, having been shut down at the time of the big copper combine.

Frank Chandler, one of the owners of the King Solomon, was in town during the week and reports development progressing satisfactorily. Speaking of his claim he said: "There are three parallel ledges on the King Solomon, having six feet, five feet and 18 inches of gold-copper ore respectively. On the largest ledge there is a 35-foot shaft with a 10-foot drift at the bottom. At this depth the ore is six and one-half feet solid between walls. There is also a 25-foot tunnel on the lead. On the vein measuring five feet, known as the upper vein, we have a 74-foot tunnel and two prospecting shafts each down 14 feet. The Sally, owned by Robert Wood and associates of Greenwood, has some extremely rich ore in a stope opened up at the end of a 180-foot tunnel. Here the ore is four feet in width of quartz carrying native silver. The mine has a force of 19 men. The ore is rawhided to Beaverton and there taken on sleighs to Midway. It costs \$7 per ton to rawhide it and \$12 to haul it to Midway for shipment to the smelter. The ore, however, is exceedingly rich, running from \$250 to \$300 per ton. It is one of the bonanzas of the West Fork. Besides this rich lead there is a second one that is shortly to be exploited. The ore from this lead will average fully \$40 per ton.—Times.

LE ROI NEW SYSTEM.

Operations Have Now Commenced, but Not in Steady Working Order.

The new system of work described lately in the columns of The Miner is now in full operation. There are still one or two details to be attended to which will be settled as the system under investigation is perfected. The hoist for the waste running in the new shaft, in its two western compartments, is not at present in place. The machinery has arrived in camp and will be on the ground this morning. The concrete foundations are ready, and the plant will be immediately assembled upon them. Before, however, it can be turned over some time will have elapsed to allow of the proper setting of the concrete bed.

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Mr. D. J. Macdonald has returned from a visit to California.

WAR EAGLE MINE

With Lower Charges will Increase Its Output.

HINGES ON TRAIL SMELTER DEAL

Blackstock's Hopeful Assurances at the Annual Meeting—Too Much Stress Laid on Results in Seventh Level—Lean Zones Not Uncommon—Aid Wanted for Silver.

Toronto, Feb. 26.—The annual meeting of the War Eagle Mining company was held here at noon today. In moving the adoption of the report of the directors, T. G. Blackstock, vice-president of the company, said: "It would be useless for me to attempt to disguise the fact that the result of the year's operations has been in a measure disappointing. "On the other hand, it may be said that quite too much has been of adverse circumstances encountered in the development of the seventh level. "We have, during the past year, passed from the richest level into the leanest. As we have seen from the report submitted, the development of the sixth level which was continued during the earlier part of the year, had shown that level to have the finest ore bodies so far opened up in the mine. Subsequent work, however, has shown that these ore bodies are not continuous in size and grade down to the seventh level, but have been broken up into several smaller shoots of lower grade. "Nevertheless as this is an occurrence which happens in almost all mines at some level or other without prejudice either to the size or richness of the ore bodies below, it was in a way to have been anticipated. "Both in the Le Roi and Centre Star mines similar lean zones have occurred, while below them as rich and even a richer ore bodies than those above have been picked up. "Mr. Kirby's assumption, therefore, of values to be found below the sixth level would seem amply justified and to be much more probable than those extremely pessimistic views which have been apparently entertained and currently circulated by candid friends. "None of us can see into the ground. We can only draw conclusions from what we see above, and nothing that the Le Roi and Centre Star mines, within a few yards distance, have opened up some of the finest ore bodies at a depth of as much as 300 feet below our seventh, or lean level, we may infer that the conditions favorable to the deposition of high grade ore still exist in the mine. "With reference to the accounts, over \$248,000 of the increase in the indebtedness is due to the taking over of a controlling interest in each of the following properties, namely the Montie, Pilgrim, Muggump and Roseland Red Mountain. These properties adjoin the War Eagle on the dip side of its vein and were acquired for the company upon the recommendation of the late manager, J. B. Hastings. "The directors are satisfied there will be no difficulty in disposing of the company's interests in these properties for more than they cost as soon as the smelter question is settled and the mine is shipping at its full capacity. These claims, however, are so important to the War Eagle that it is probable it will be found better to make some arrangement regarding them which will prevent the indebtedness from standing in the way of paying dividends later on, rather than to part with the control of them entirely. "Early in February, 1900, shipments were stopped on the recommendation of Mr. Kirby, our general manager, for the double purpose of enabling us to introduce certain economies and to increase our development. For reasons which have already appeared from the manager's report, shipments were not resumed until the end of the year. "The labor troubles which were in an acute stage at the time of the last annual meeting, have since been settled. This settlement has enabled us to introduce the contract system under which the costs of mining have been reduced by from 30 to 50 per cent, while the rapidly with which the operations of the mine can be carried on has been greatly increased. "Next in importance to the question of mining costs and our relations with labor, is the question of smelting. This has engrossed the attention of the directors during the last three months. Under the existing contract this mine and the Centre Star were bound to deliver 100,000 tons at a charge for freight and treatment of \$6 per ton. "After about 80,000 tons had been delivered the C. P. R. offered to cancel this contract and substitute another for the delivery of 600,000 tons at a rate of \$6 for the first 300,000 tons and \$4.50 for the second 300,000 tons. Your directors were unable to see their way to accept this proposal because it would not place the mine in such a good position in regard to the treatment of low grade ores as if they owned and operated their own smelters. The result has been that negotiations have been going on for the past six weeks for the purchase on behalf of the War Eagle and Centre Star mines of the Trail smelter.

"Your directors, recognizing the importance of this question, were fortunate in securing the services of well-known smelter experts, Messrs. A. R. Ledoux of Le-doux & Co., and W. H. Deveroux, both of New York. Deveroux and a chartered accountant are at Trail examining the smelter and their report is expected shortly. "Mr. Kirby in his report has confined his estimates, no doubt, to the ore bodies which would stand present costs of mining and freight and treatment should the negotiations, which are now being conducted, result in the cancellation of the existing smelter contract by the acquisition of the Trail smelter. Such a reduction would follow on the costs of freight and treatment as will enable the mine to greatly increase its output, thereby making a further reduction of the cost of mining and development ratably per ton. With these reductions on the cost of mining and treatment, and having regard to the very extensive scheme of development now being carried on, the mine will be enabled to put out a maximum tonnage with a minimum of cost and as it seems from present indications altogether probable the War Eagle and Centre Star mines will soon have their own smelting plant. I feel that our shareholders are justified in expecting the current year to be one of prosperity. "In conclusion, I beg to refer to the necessity that exists for our government giving some such encouragement to the production of pig lead in Canada as has been given to the production of pig iron and steel. The smelter at Trail is equipped for the smelting of several hundred tons per day of a charge containing about 20 per cent of lead ore. This, of course, is in addition to the copper furnace which have a capacity of matting about 500 tons a day. "There are large quantities of low grade silicious ores in Rossland which are suitable as a flux in lead smelting and as four tons of these Rossland ores are used to one of lead, it will be seen that the Rossland mines are greatly interested in the encouragement of lead smelting at some near point to which ores can be conveyed at a small cost, such as Trail."

FIRST SHIPMENT.

Rosland Great Western Sends Its First Ore to Northport Smelter.

The first shipment of ore made by the Rosland Great Western mines since their purchase by the British America Corporation was sent on Monday, when ten carloads, averaging about 25 tons apiece, were sent to the Northport smelter. This ore is that which was lying in the ore bins with some waste, put in while certain alterations were being carried out below. As soon as the bins are empty the mines will begin filling them with unmined ore, so that there will be no sorting necessary before placing the ore in the cars. Regular shipments from the mine will not be commenced until the Northport smelter is in completion, when the probable amount will be in the neighborhood of 100 to 150 tons daily. This amount will be increased later on, and by the end of a twelve-month after the beginning of regular shipments a larger amount is to be looked for.

LOW GRADE ORES.

Successful Working of the Treadwell at Juneau.

The official report of the Treadwell mine at Juneau, Alaska, for the year ending May 31st, shows that during the year 557,950 tons of ore were mined, and bullion sold to the amount of \$1,153,368, or an average on the ore crushed of \$2.067 per ton. The year's working profit was \$673,901, and four dividends were paid, amounting to \$300,000, or six per cent upon the capital stock. The average expense was a trifle over 88 cent a ton. The ore in sight is estimated at over 4,000,000 tons. These figures only emphasize the fact that the greatest gold mines in the world always have been, and doubtless always will be, producers of low grade ores. The Treadwell is one of the many. The most striking illustration of this truth, however, is found in the operations of the Homestake property at Lead, in the Black Hills of South Dakota, which has been worked for years on ore that averages two to four dollars a ton.

W. P. Dallett, Philadelphia, is a guest at the Allan.