tograph of the Smelting & Rerand Forks is on oia avenue. and attracts

TOODds learned vesof the death W. Hamilton, The merly tel, but left Ross-Greenwood.

ENTan, late pastor of ill probably remain Report has it that ler advisement an to become pastor tist church.

gave a progressive Alhambra hotel people being preson was winner of uvenir spoon, and he end prize. After spent in dancing. themselves.

rculated here yeslay-off or a strike the Phoenix mines nen stopping work. nicated with its lents, who stated truth in the report.

of the new school this afternoon at appointment of a ne first business of which the reguof meeting will be The board is likely toward the end of each month.

ing of the Rossland lay the question was purpose of securing whether the sessions the year should be It was unanimously ees that the meetn to public and press meetings of the city

gineer for the Sporthern system, is in eys about the Red Mr. Maney's data nnection with the imthe depot and yards road. The improve-

three months. st few days there has of a match between niddleweight champion and Charlie Goff of nd sportsmen have for the contest by ascertain what terms meeting. Goff's reny arrangement that be acceptable to him.

t under way in the

been placed for three two side drums for of the Rocky Mountain ill bring the strength ization to 10 bugles ums, exclusive of m, a total of 15 With this aggregation e in excellent shape work.

LICE DROWNEDlately to hand confirm Constables Heathcote of the Northwest

were drowned at the ikine river the day be-The two officers, who at the boundary post are supposed to have om Cottonwood island an unseaworthy boat. cote was a brother of te, of the West Koote-Power company's staff, of G. W. B. Heathcote

mas Long of the city his possession an envelto indicate that the city principally known bewest, in the general disland occupies in the formed easterners. The ed in a splendid busind from Montreal to innipeg, Manitoba." It the discernment of the that the letter came Golden City without de-

" Emulsion of Cod Liver ses of general debility and e is sure to give the best es health and renews & Lawrence Co., Ltd.,

N. Brayton, of Kaslo, I

# ROSSLAND WEEKLY MINER.

ROSSLAND, B. C., THURSDAY, JANUARY 30, 1902

Seventh Year, Number 14

# THE BIG FOUR MINE

Two Dollars a Year

ANNUAL REPORT OF THE MAN-AGER, SHOWING YEAR'S OPERATIONS.

PROGRESS OF THE TUNNELS AND . THE ORE VALUES OB-TAINED.

The report of the year's work at the Big Four mine has been issued for distribution among the shareholders of the company. The Miner is inform-

that James Lawler, manager, will leave shortly for the old country in the interests of the company.

to date, Manager Lawler says: No. 1 Tunnel-This has been driven

into the mountain a distance of 225 feet. To the right hand, or north of \*this tunnel, at a distance of 200 feet, we found the ledge well in place. It crossed to the left, or south, of the tunnel at this point and runs vertically west by southwest and dips to the QUESTION OF SALARIES AND THE northwest. The ledge or pay chute is at least 10 feet wide, of finely mineralized quartz, mixed with feldspar, calcite and hornblende, carrying gold, copper and silver values, called chalcopyrite. The syenite and augite mixed with porphyry is at least four feet wide on each side of this pay chute, and all will amalgamate into ore with a little more depth. We have only a veins. From now on by following this ledge we will gain double the depth for every foot driven, and the ledge now in place will widen out as depth is gained. A station 8 feet by 12 feet has also been cut out and the surrounding walls are all mineralized throughout, with bunches of very high grade ore mixed through the ledge matter, which only needs more depth to consolidate the whole mass into one solid ore body. I ran a crosscut of 15 feet 100 feet from the portal towards the shaft, with a splendid showing, and the assays taken from this tunnel have been very satisfactory to me. They are as follows: \$2.50, \$6 and \$24 in gold, with from 11-2 per cent to 31-2 per cent in copper. A general average sample went \$13 in all values: (Note-One per cent in copper is equal to \$3, or 12s, per ton.) There is considerable molybdenite all through the

run in a distance of 175 feet. A station the centre of the ore body to the right with the assessment for the current 150 feet past the spot where the lead was hand of tunnel. The ledge or pay chute of solid ore is found here in place for to have the assessor start work on the of solid ore is found here in place for to have the assessor start work on the tance by an eruptive dyke common in month, with instructions to have the this camp. This dyke has caused me statement completed by April 1 and ledge. a great deal of worry on account of in the hands of the city clerk by April development, but wherever we broke 10. away from it, either to the right or to the left, and got away from the at the next meeting of the council. barren rock that was thrown up with One of these will deal with the reit, we found pay ore in large quantities of very good grade. The presence of these eruptive copper dykes is the best indication in this camp of a large and rich ore body. At the station mentioned this dyke has been cut off, as one part of it ran towards the right in a westerly direction and the other ran towards the front of the tunnel in a southerly direction, until we found the ledge again well in place coming from the left hand and cutting directly, as all the other ledge matter has done, to the southwest and dipping to the northwest. This is exactly the trend, course and dip of the Le Roi No. 1 and Le Roi No. 2 veins, and the ore is identically the same. We have cut a crosscut opposite the station towards the east for 15 feet, and the face of this drift is in good mineralized rock, but not as strong as I would like it, although it is of pay grade. This ledge in this drift runs towards the face of the tunnel and is in place likewise there. Its width I have not determined, as the contracts in this tun-nel have been completed. A depth Provisions Relating to Its Construction terly has been sent to Trail.

The mine is connected with a of one foot for every foot driven is gained to the east or west, and 18 inches to the foot in south drift. The ore in this tunnel to me averaged \$10.20, \$15 and \$26.50, and other samples, as per reports sent you, went

rock, a very good indication of rich

No. 2 Tunnel-This tunnel has been

much higher. We have considerable ore on the dump and can ship as soon as the spur is completed. I have sunk a shaft on a sheer zone vein in connection with the No. 1 vein to a depth of 35 feet. It began with one inch at the top and widened out as I went down about an inch a foot and dips towards the No. I vein below. The ore is all of a silicious nature, carrying considerable lime, and is much desired for smelting purposes. The assays from this vein were very high, and the average was \$28.

Mr. H. Girdwood, who has been ill with la grippe for some days, will be able to assume his duties at the Le

Roi tomorrow. Passengers ticketed over the Spokane Falls & Northern railroad yesterday were: Mrs. C. A. Corbus to Mount Pleasant, Mich., and John Forin to is laid its operation is under the control

proprietors of Perry Davis' Pain-Killer. Manila.

NAVAL TRAINING.

Western Men Want Station on the Great Lakes.

WASHINGTON, Jan. 28.-The advantages of establishing a naval training station in the Great Lakes were presented to the house committee on naval affairs today by Representative Otjen (Milwaukee). He pointed out the large number of naval enlistments from the lake regions, the records of the navy department showing that 70 per cent come from the districts having Chicago as their centre.

THE COLD WAVE.

CHICAGO, Jan. 28.-The cold wave in this section has moderated slightly, but the weather is still severe. The temperature registered four below at ed that work will be resumed on the dawn and zero at noon. In the Northconsiderably, ranging from zero to four

## Referring to the work at the mine THE CIVIC BUSINESS

ACCOUNTS AND OTHER MATTERS DEALT WITH BY THE COUNCIL.

SCHOOL ESTIMATES POST-PONED.

Last night's session of the city coun cil was devoid of features of special interest. The two matters that were expected to give rise to animated dis-

passed. The finance committee recommended payment of bills aggregating \$2195, the civic payroll for the month being the principal feature. An item of \$300 for insurance on the city schools helped to swell the total. The health and relief committee's accounts made the modest total of \$22.65. Both

reports were carried. The council was informed that the school board had not as yet presented its estimates, but that the report to this effect might be expected for next meeting. The belief was expressed that in the meantime some alterations might be made in the trustees' figures.

Clute, the city clerk stated that the a year and a half ago, the work being audited financial statement for the year 1901 had been completed and was

10 feet by 12 feet has been cut out at in the hands of the printers.

Two new bylaws will be introduc muneration of the mayor and aldermen and the second will authorize the borrowing of funds in anticipation of

the current revenue. Another interesting question will come up at next meeting, having been mooted last night. This relates to the re-investment of the city's sinking fund. Certain debentures have been hypothecated to carry out works for debentures not having been sold in the usual manner, the city pays a certain rate of interest, while the payments made on sinking fund account do not carry as high a rate. The argument is that by using the sinking fund to purchase debentures sufficient to offset the sum hypothecated the city will task of examining into the law on the

U. S. PACIFC CABLE.

ing today the Pacific cable bill was amended so as to provide that the government cable shall be of American make, if this can be supplied according to the highest standard and at a foreign manufacturers. Another amend- great depth, together with the strike cost not exceeding 10 per cent above ment authorizes the postmaster general. the secretary of war and the secretary of the navy to make arrangements for lately, are very cheering evidences he considered it advantageous to do so,

was defeated. As finally determined upon, the bill the coast of California to Hawaii and the Philippine islands via Midway and Miner. the island of Guam, or by whatever route the president may consider most practicable. The cost is fixed at not to exceed \$10,000,000, of which \$500,000 is made immediately available. The work of conof the postmaster-general, the secre-

# AFFAIRS OF VELVET WORK IN THE MINES

IS LAID BEFORE SHARE-HOLDERS.

MORE FUNDS INVOLVED IN THE PLAN.

The London directorate of the Velshareholders proposing to reconstruct the company on a basis providing for sixpence. This would realize \$100,000 contributed 4600 tons, the same quota an assessment of two shillings property in the next two weeks, and west the temperature has moderated to be expended on the further development of the mine. The inference is that unless some step of this nature is taken the development of the property will be suspended through lack sent out two cars of ore, one to the of funds to prosecute the work. The Trail smelter and the other to the consider the matter, but their verdict month has another week to run, and shareholders met a few days since to has not been announced. It is assert- at the expiration of that period the ed by the directors of the Velvet that output will be safely over the 25,000 they have been retarded and handi- ton mark. capped in the exploration of the Velvet by the heavy transportation char-mining in the Rossland district last ges under existing conditions, and that week was the commencement of shipthe government has not manifested ments at the Rossland Bonanza mine reasonable expedition in affording them on St. Thomas mountain, the adjoining the wagon road communication that property to the Cascade, which started should have been put in a couple of sending out ore three weeks since. The years ago. In the latter contention Bonanza mine is entirely owned by the business men of Rossland will join residents of Rossland, and has been heartily, for the utmost efforts of developed to its present stage exclucitizens, individually and collectively sively by local capital. It was to en-

promised wagon road.

the ratiroan v a: earlier date. In London the Velvet is regarded as a promising proposition, and it is be-lieved that the funds necessary to further open up the known ore bodies will be forthcomin; without trouble.

AN IMPORTANT STRIKE .

Rich Ore in the Long Tunnel of the Lest Chance Mine.

One of the most important mis strikes made in the Kootenays took place when the galena ledge was struck in the long tunnel of the Last Chance. In reply to a query from Mayor This tunnel was started a little over Five. The tunnel has been run for 1,800 feet, at a cost of \$50,000, and penetrated

On Saturday last the ore was struck erties. workings in the province. The ore is

S. Heap is the manager at the mine. Dr. Hendryx, of Los Angeles, California, is the largest owner, and J. Stinson, Los Angeles; the Scott MacDonald

Minor the development of the lower estate and B. Wilson, of Victoria, are ted on Noble Five mountain, about immediately by contract work in the two and one-quarter miles from Sandon four-compartment shaft from the 1050 by rail and tramway. It adjoins the No- to the 1200 foot levels, and in the drifts which the bonds were issued, and on the sum thus loaned by the bank, the ent said to be a difficulty between the the 1050 foot level. The pockets at the 1050 foot level. The pockets at the 1050 foot level necessary to the ent said to be a difficulty between the Five ground.

The claims comprised in he group efficiency of the machine. were located in the spring of 1892 by Le Roi No. 2.-Mining and stoping J. McGuigan, who at the same time operations have progressed quietly located the Payne and the Noble Five. during the week. The development of save a considerable sum in interest. It is one of the earliest shippers of the the lower levels in the direction of the The city solicitor was charged with the district, the ore running 130 ounces of Annie ground is making excellent silver and 65 per cent lead, this propor- headway, and it is understood gener tion between the two minerals being uniform throughout the workings. The ore nently satisfactory. was for a long time shipped to the Selby smelter at San Francisco, but lat-

branch spur of the Kaslo and Slocan WASHINGTON, Jan 28.—At a meetput in about three years ago by B. C. Riblet, of this city. A peculiar feature about this tramway is that on it is the longest single span on any tramway in the world.

The striking of the lead at such a workings of the Payne, which occurred connection with Japan and China. A the depth of the deposits of the Sloproposed amendment authorizing the can, and proves thoroughly that the president to purchase a private cable if ores of the Slocan run deep without losing in quality. The success of this company will have an important effect in bringing on a livelier state of affairs provides for a government cable from in this district, and will greatly assist in opening up other properties.-Nelson

## COLOMBIAN FORCES.

PANAMA, Colombia, Jan. 28.-The Government steamers Boyaca, Chicuito struction is entrusted to the army and and General Campo, sailed from here tonavy departments, and after the cable day to make an attempt to break the blockade of Agua Dulce, where the revolutionary fleet was last seen, and to communicate with Gen. Castro.

# A PROPOSITION TO RECONSTRUCT ANOTHER WEEK OF SUBSTAN-

TIAL ORE SHIPMENTS IS ON RECORD.

JOINS THE LIST OF SHIPPERS.

The ore ouput for the week ending vet mine has issued a circular to last night was practically the same and is 5860 tons. Of this the Le Roi mine

A special feature of the record of through the board of trade, have fail- able the Cascade and Bonanza mines ed to stir the government into action to market their ores that the provinwith respect to the construction of the cial government spent \$7000 in constructing the Norway mountain wagon surance men, arising out of the placing compromise was effected whereby the The Velvet people state that their road last fall, and so far a total of 150 by the school board of \$12,000 worth of celebration was cut down to two days, experience has been similar to that of tons of ore has been hauled over the business on the city schools. It is sev- the estimate for this being \$1000. The depth of 100 feet perpendicularly of the feet perpendicula and aldermen and school trustees' estimates for the current year—did not come up. Both are on the tapis for the railroad, as seen in photo showing and aldermen and school trustees' es- foot level the ore bodies are faulty and to market about 1000 tons of ore this come up. Both are on the tapis for Sorenson has notified the company to hand on the ore already shipped, next meeting, however, and the forth-coming session should be interesting.

Indeed of committee re-Under the head of committee reper ton. The lack of snow on the wagon after deducting the cost of hauling ports two budgets of accounts were passed. The finance committee recompassed. The finance committee recompassed. the companies to cover the cost of mining. The proceeds of the ore shipped this winter will be utilized in the further development of both properties. Of last week's shipments the Bonanza carload was sent to the Granby smelter and the Cascade carload was sent to

Totals ...... 5860 20,950

Le Roi.-The output of the mine for week, and probably represents approx-The property is owned by the Last imately the tonnage that the property Chance Mining company, of which H. ments are made to increase the out-Miner, the development of the lower the other principal owners. It is situa- levels is to be proceeded with almost owners of the two properties, it being prosecution of the work are about over the apex of the Last Chance vein completed now. During the week new which is believed to run into the Noble liners were placed in the crusher at the headworks. This will increase the

ally that the results attained are emi-

Nickel Plate.-The development crew is working steadily in the lower levels, and the workings are being extended under favorable circumstances.

are engaged in extending the drifts dent, C. A. Powell; second vice-presion the 400 and 600 foot levels, and dent, Fred Clark; treasurer, Dr. Westthis work is being carried ahead without incident of special importance.

Centre Star.-The plan of developis under way and the contractors are and the work in other parts of the mine are also being pushed ahead. War Eagle.—Sinking and drifting B. C., has been reached.

in the main shaft and on the levels of the lower workings are still proceeding. In addition the ore is being broken in various stopes with a view to shipping when the Trail smelter is prepared to receive the output of the mine, which will be, as has been stated, on or about the first of February. Spitzee.-The crosscutting to the

level has been completed, a distance half of this year. The closing Bronchial affections, coughs and colds, and great the pay and colds, and futures at £50 5s.

Bronchial affections, coughs and colds, and great the pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on the pay Roll City. It is some time to resist any attack on Colon. The pay Roll City. It is some time to resist any attack on Col

Velvet.—Mining operations have been carried ahead as usual, the principal A WINTER CARNIVAL features being the opening up of ore bodies below the 500 foot level. Red Mountain siding and will be shipquantity of ore has been hauled to the ped to Northport in the near future. Up to the present time no ore has

Green Mountain.—The sinking of the two-compartment shaft has been continued during the past week without AN ASSESSMENT TO SECURE THE ROSSLAND BONANZA MINE incident. Good progress has been

Abe Lincoln.-The drift to the south on the 200 foot level has been carried ahead steadily during the week. A crosscut is also being run north of the shaft on the same level. The company has not yet announced its policy with respect to the installation of machinery to replace the electrical drill that did not give satisfaction.

White Bear.-The Miner has no information with respect to the operations at the White Bear during the

COMPANIES FOR THE BUSINESS.

MOST OF THE AMOUNT PLACED OUTSIDE THE TARIFF COMBINE.

marked agitation among the local in-For several days there has been a eral months at least since this amount fact was pointed out that receipts The provincial government never carried insurance on the schools, but the corporation deemed it wise to protect the city against the loss of the buildings, and a suggestion to this effect was pas-sed by the old council to the school board and acted upon. Trustee Galt was charged with the task of inquiting into

Most of the insurance companies business in Rossland are termed Tariff companies, by reason of the fact that they have a uniform rate. When Trusenue school and \$2,000 on the Kootenay Jackson, secretary. avenue building. The trustees desired This committee is to meet tomorrow

tion was that after the board had un- advertising, etc., will also be ap-On Saturday last the ore was structured at a depth of 1.600 feet below the sufface, which makes this the deepest face, which makes this the deepest cally the same as for the preceding the province. The ore is business on a basis of between 2.20 per cent and 2.30 per cent for three years, a substantial reduction on the rate that the board had obtained. It was then too late to go into the matter further. It is proposed to insure the buildings as

Central school ...... \$ 8,000 Cook Avenue school .... 7,000 Kootenay avenue ..... 2,000

Of the above amount, \$12,000 has already been placed and the premium, \$300, was passed at last night's meet-ing of the city council on the recomdation of Trustee Galt. The balance of the business is still to be placed.

AT GRAND FORKS Censure of Old Council-A Coal Company Formed.

GRAND FORKS, B. C., Jan. 23.-The Grand Forks board of trade tonight adopted a resolution expressing regret at the action of the retiring city council in voting itself a bonus of These officers were elected: Kootenay.-The crew at the mine President, E. Doberer; first vice-presi

wood; secretary, Colin Campbell.

The British Columbia Coal Company, Limited, with a capital of \$1,500,000 in ment has not been altered in the past shares of \$1 each, is being incorporated The sinking of the main shaft for the purpose of acquiring all the bituminous coal lands on the north making excellent progress with the fork of the Kettle river, 70 miles north work. The drifts on the 600 foot level of Grand Forks. A basis of consolidation of the interests owned there by claim owners of this city and Nelson, Development work will be started in the spring

## COPPER IS HIGHER.

NEW YORK, Jan. 28 .- There were reports that sales of copper have been made for forward deliveries at \$\$11.25. While this was not confirmed, it was known that producers are reluctant to north of the main drift on the 100 foot sell for forward delivery during the first of 12 feet having been traversed before the wall was encountered. The ore for electrolytic and \$19.75 to \$10.87 1-2 to \$11 managers of the Eastern Townships to wall was encountered. The ore throughout was similar to that en-countered in the drift. The drift will sold at \$11.12 1-2 lacked confirmation. The now be carried west for a further dis- The price for copper at London was raised £1, with spot closing at £50

ED IN FAVOR OF HOLDING THE FETE.

STRONG COMMITTEE APPOINT-ED TO CONDUCT ARRAN-

GEMENTS.

Rossland is to have a winter carnival this year. Unless unforeseen circumstances arise to interfere, the celebration will undoubtedly be equal to any of the winter sports that have taken place in previous years, and it is quite possible that certain changes contemplated in connection with the celebration may substantially improve it in several important respects.

The dates for the celebration have not been announced, this having been left to the general committee selected to carry out the affair. It seems extremely likely that February 21 and SOME COMPETITION AMONG THE 22 will be the principal days of the carnival, with an introductory attraction on the night of the 20th prox. in the shape of a masquerade at the skating rink especially for residents.

Mayor Clute officiated as chairman

at last night's meeting. An animated discussion followed the introduction of the carnival question, there being a feeling on the part of some of those present at the meeting that local conditions did not justify the holding of a four days' celebration at an expense of \$1700 to \$2000. It was conceded that these two sums, with the \$80 now resting in the Bank of British North America to the credit of the carnival committee of 1902, would go far toward helping out the finances. It was held that the balance could be raised with comparative ease, and that the city of Rossland could not afford at rates and making a dicker for the inthis juncture to drop the carnival.

When the matter came to a vote the resolution to hold a carnival was unanimously carried. The committee in charge of the arrangements was or-

ganized as follows:

or pay chute in place for all this discommon in common in common in the common in the

PHOENIX NOTES.

Hockey Match With Grand Forksitors to the Town.

PHOENIX, Jan. 23.—Last Saturday the much talked of hockey match between the Grand Forks and Phoenix teams came off in Grand Forks. teams lined up as follows: Grand Forks -Goal, Cochrane; point, Jackson; cover point, Grant; forwards, Valley, Brown, Baker and McQueen. Phoenix-Goal, Mitchell; point, Lyons; cover point, Strutzel; forwards, Ewing, Monk, Mc-Arthur and Coulton. Referee, Charles H. Bonter. Goal umpires, Fred Clarke, C. H. Niles, Charles Flood and O. N.

The game started off with a rush, Phoenix pressing Grand Forks hard and giving Cochrane all he could do in goal. Finally after fifteen minutes' fast play McArthur scored the first goal for Phoenix. Shortly after this both teams seemed to forget that hockey was the game they started to play, and the game developed into a regular Donnybrook Fair. The first half ended 1 to 0 in favor of Phoenix. Soon after the start of the second half McQueen broke away from the bunch and eluding the Phoenix defence made the score one all. The excitement was intense and for a few moments one would have thought that the whole of Grand Forks was playing the game, as the ice became black spectators crowding upon it. From this on Referee Bonter had his hands full in keeping the players in order, as the Phoenix boys were as determined to win as the Grand Forks boys were that they should. On a pass from Brown Baker scored the next for Grand Forks, making the score Grand Forks 2 Phoenix 1. The Phoenix boys then got down to work and Monk soon evened up the score and with but three-quarters of a minute to play Monk once more shot the rubber past Cochrane and the Pay Roll City boys won a hard fought match by a score of 3 to 2. Over a hundred supporters accompanied the team to Grand Forks on a special train.

H. N. Galer and H. G. S. Heisterman were visitors to town this week.

William Spier and W. A. Spencer,
managers of the Eastern Townships Grand Forks, were in town for a few

days. R. R. Cunningham of Greenwood was

showing George Hughes of Sandon over