THE YEAR'S WORK To the Canadian Smelting Works

at Trail, B.C.

2,657 2,500 416

1.407 140

Copper

435,600 150,582

War Eagle.

Centre Star Iron Mask

Monte Chri Sunset No. 2.

Deer Park

son, B. C.:

To the British Columbia Bullion Extracting company's works, at Silica, B. C.:

1,056,000 00 \$ 808,523 10 58,140 00 98,000 00

27,379 32

Table of Comparative Values.

Some Official Data.

Gross Metal Values.

Silver.

40,788 00 87,911 74 1,453 50 4,200 0: 1,813 20

Szo Value oz Val-<u>\$20</u> Value oz Val-<u>110</u> Ue <u>110</u> Ue

War Eagle..

r Eagle.

Grand Total

The Output of the Rossland Camp Worth To the Hall Mines Smelter at Nel-\$2,804,758.12.

A BRILLIANT RECORD

The Shipments Amounted to 116,-697 Tons.

Le Roi.... War Eagle Cent. Star Iron Mask All others DOUBLED WITHIN A YEAR

The Camp Entering Upon the Most Promising Period in Its History-The Mining Review for the Entire Year-Statistical Matter Showing in Figures the Development of the Past Twelve Months-Customs Returns From the Kootenay Ports.

Le Roi..... War Eagle. Centre Star Iron Mask. All Others.. The value of the ore produced by the Rossland mines during the year just ended reached the enormous aggregate total of \$2,804,758.12. The shipments were 116,697 tons. For the year ending December 31, 1897, the shipments were 68,000 tons, and the value of the ore mined was \$2,100,000. In a single year the shipments from the mines were almost doubled, while the value of the output increased \$700,000, or 33 per

These simple figures in themselves tell a momentous story of the strides taken by the Rossland mines during the year that has just come to an .end. But these figures do not begin to express the enormous advances that have been made that was completed at midnight last

evening. The real progress of the camp has seen made, not in tonnage and not in the value of the shipments, but in the development that have taken place during the year, and in the charater for ecurity and permanence which the camp has acquired. At the beginning camp has acquired. At the beginning of the new year last winter the camp was in a critical condition. The effects of the boom were still being felt, and the town had not recovored from the shat-tering received from that influx of peo-ple and money. The smelting and the transportation questions were un-settled. The Le Roi and the Iron Mask were practically the only shippers in the district. The pay-roll of the mines was district. The pay-roll of the initial world, shout 750 men. The outside world, having burned its fingers in blind spec-ulation in wildcat stocks, was doubtful of the character of the town. In fact, denbt and uncertainty were the characdoubt and uncertainty were the ch terias of the camp. People had every faith in the place, but their faith remained to be proven.

The year that has just ended has splendidly justified every hope that was felt in Rossland and in Rossland mines. The shipments have almost doubled, and the payroll has increased in like ratio. But best of all has come the certainty that the development of the real Rossland has just commenced, and in the next five years the place will become the greatest mining camp in the northwest, if, indeed, not in the whole of the

world. en remarkable for the ROSSLAND WEEKLY MINER, THURSDAY, JANUARY 5, 1899. miles from Trail a branch leaves the main line and connects with the O. P. The apparatus for the run-The apparatus for the runsmelter takes approximately 300 horse power. In anticipation of the cheap power supplied by the company, the smalter has been able to make the present treatment rates.

ent treatment rates. Connection is also being made with the War Eagle, and it is fully expected that the mine apparatus will be put in operation by the 23rd of January. This includes a 400-horse power motor, used for the operation of the compressor, and a 200 horse power motor. a 300-horse power motor, used for oper-ating the hoist. The British Columbia Bullion Extracting company's works at Silica are using power for the operation of the works, and this is one of the long-116.60 est transmissions so far installed, namely, 35 miles from the generating tation at Bonnington Falls. The motor for the running of the Big

29,260 00 5,107 18 Three compressor is also being installed, as well as the motor for the running of Totals... \$ 2,048,042 42 \$ 136,166 44 \$ 620,549 26 the Iron Mask compressor. \$2,804.758 12 When the above apparatus is put in operation, it will enable the local mine Gold. | Silver. | Copper

cheaper than heretofore, and will thus reduce the cost of mining. The company's new power plant was put in operation about August, of last

War Eagle. The past year has established the War Eagle as one of the great mines of the world. Twelve months ago, the prop-The data furnished by John Kirkup. erty was in a peculiar position. On the surface big bodies of phenomenally high grade ore had been opened, and the War Eagle had been a dividend payer gold commissioner and mining recorder for the Trail Creek district, shows that the year just ended was a lively one. During the twelve-month 1017 mineral claims were recorded, and 28 placer locations were filed. Certificates of almost from the grass roots. But the extraordinary values had not continued locations were filed. Certificates of work to the number of 1,110 were rebelow the 250-foot level, and it was a mystery what the further development corded, and in 16 cases money was paid to the governmens in lieu of work. The of the property in the lower levels would show. That was the position of the number of certificates of work showed a War Eagle at the beginning of the year number of certificates of work showed a slight decrease beneath the figures for 1897, when 1,630 records of like nature were filed. The falling off is due both to the increasing number of crown to the increasing number of crown were filed. The falling off is due both to the increasing number of crown grants, which do away with the necesity of performing assessment work, and also to the fact that holders of worthless to the fact that holders of worthless to the fact that holders of worthless table of the fact that holders of worthless table of the fact that holders of worthless 130 certificates of improvements were filed, std imtwo cases money was paid in lieu of certificates of improvements were filed, std imtwo cases money was paid in lieu of certificates of improvements to the past year was a very active one in the way of mining transactions is demonstrated by the fact that the bills of sale filed with the recorder numbered 660. The abandonments were 66. Mis-to 21. Free miner's certificates to the number of 2,800 were issued. Company certificates were 127 in number. Sub-to 21. Free miner's certificates to the much wealth' among the merchants and the business men of the city. Every as-seesment calls for at least \$100 worth is done by the enthusiastic prospector be to due out in many cases fully as much is done by the enthusiastic prospector be to due out within a generation. To much wealth' among the merchants and the business men of the city. Every as-seesment calls for at least \$100 worth is done by the enthusiastic prospector beat on developing his claim. During set of need on the various properties over the completed to operate the mines here. The and the merchants and the business men of the city. Every as-seesment calls for at least \$100 worth is done by the enthusiastic prospector beat on developing his claim. During to the the advance has been in the past to the advance has been in the past the the advance has been in the past the busines men of the city. Every sa-seesment calls for at least \$100 worth is done by the enthusiastic prospector the the advance has been in the past the the advance has been in the past the set of the start to realize how y to the increasing number of crown grants, which do away with the necesity

the camp represents the merchants and the business men of the city. Every as-sessment calls for at least \$100 worth of work, and in many cases fully as much is done by the enthusiastic prospector bent on developing his claim. During 1898 1,110 certificates of work were filed, and according to the sworn statements of the deponents at least \$100 was ex-pended in every case. Thus \$111,000 was evidently spent in assessment work 1 least 50 per cent to those figures in order to get the real value of the prospectors⁴ to get the country, for it is certain to the country, for it is certain 200 tons than any other figure. Now

During the past year the development Of this a ning of the smelter electrically is at present being put in place, and it is ex-pected that it will be put in operation early this week. The running of this ery near the Le Roi line of an immense chute of ore 500 feet long and of an average width of 10 feet, which carries around \$20. It is one of the largest ore chutes in the camp, and promises to produce more ore than any single deposit that has yet been met here.

The Silver Bell The Silver Bell. From the spring of 1897 to October of 1898 the Silver Bell was one of the dor-mant properties of the camp. The prop-

mant properties of the camp. The property had a good surface showing, there was a first class plant on the ground and was a first class plant on the ground and access was afforded by an excellent wagon road, but the treasury was de-pleted. In October, however, Captain J. A. Currie of Toronto, came to Rossland, representing a syndicate of eastern shareholders, and succeeded in reorganizing the Silver Bell Mining company on a satisfactory basis. The capitalization of the new company is 2,000,000 shares of 25 cents each. One halt of this stock was issued to shareholders in the old company on the payment of one cent a share. The balance is held as treasury stock. Work on the property of the company was immediately resumed and

is now progressing at a rapid rate. The shaft, which on the resumption of work, a week the ledge will have been crosscut at the 125-foot level, and its extent will be determined. On the surface the ledge is 30 feet wide, with croppings of galena and sulphides carrying high values in silver, gold and copper. The Silver Bell group is located on the south slope of Deer Park mountain, and em-braces the Lone Jack, the Nancy Lee and the Silver Bell fraction.

Victory-Triumph.

Work was resumed on the Victory friumph on the 15th of February, and has been continuously maintained since On the Victory vein the main drift has been continued southeast 290 feet, mak been continued southeast 250 teet, max-ing 470 feet in all. The property is thereby opened to a depth of 250 feet. One hundred and ninety-six feet of crosscuts has been run, and very large

crosscuts has been run, and very large bodies of good concentrating ore have been opened up. On the Triumph vein a shaft has been sunk 104 feet, with a crosscut of 60 fee. from the foot, which opens up a vein of gold-copper ore similar to that on the Velvet, eight feet wide. A drift on this vein northeast is now in 12 feet. A shaft house 20x30, with 15-foot walls, built of logs, has been erected over the mouth of the shaft, with a roofed shed 24x24 feet attached. A horse whim for hoisting has also been installed and a new bunk house, bring-ing up the accommodation sufficient ing up the accommodation sufficien

Exploration and development on the 00-foot level of the Triumph vein is now being carried on. White Bear.

The feature of the development of the White Bear during the past year was increasing size and permanence of the increasing size and permanence of the vein in the lower levels, as well as the increased values, which ascended stead-ily from \$1 on the surface to \$46 in the 200-foot level. With depth, too, the dykes and faults that were met nearer the surface became steadily less notice-able. During the year the shaft wassunk from the 163- to the 250-foot level, and has been the bered and supplied with ladders for the whole distance. In ad-dition about 200 feet of drifting has been accomplished at the various levels in the property. As work was not com-After a Hard Contest They Defeated the property. As work was not com-The year has been remarkable for the index of foreign capital which have in the country, for it is certain that they would not be expending nearly that they would not be expending nearly to the development of their prospects unless there was substantial promise of the claims becoming mines. The nearly \$5,000,000 in the development of their prospects unless there was substantial promise of the claims becoming mines. Machinery. The year has seen the installation of the mark the purchase by the the year has seen the installation of the mine which average whiles have ranged in the method of 400 tons decreased transmission with the they will be the the method of the the meth single drill, the record is a spratfactory one. The most important find during the year was the opening at the 160-foot level of about 10 feet of iron ore, from which average values have ranged in the neighborhood of \$15. The manager of the property, John Y. Cole, expects to commence shipment from the ore body there within the next few weeks. McCreary Lahey Elwood

the year, 1,268 feet. Total work done during Dr. Gustav H. Bobertz. 252 Woodward Ave., DETROIT, Mich.

and nervous diseases. t desire something for mn the reckless claim

ald write to Dr.

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n, and whose tr

MASCOT.—The total development of the prop-rty for the year amounted to 600 feet of tunnel-ng and 325 feet of shafts and winzes. The new lectrical power plant will be started this week COMMANDER.-Work was resumed under the new management in August of last year. A force of 13 meu is at work. The shaft is being run vertically, and is now down more than 300 feet. VIRGINIA.—The development on the Virginla on December 1, aggregated 400 feet of shafting 816 feet of drifts. The ore body is about 25 feet wide. Twenty-four men are at work.

GOOD FRIDAY.-Tunneling, to the extent of 800 feet, and shafting to the extent of 84 feet, was done during the year. Forty men were em

IRON COLT.—Total work done since the com pany started work, shafting 75 feet, tunnelin 1,422 feet, drifting 210 feet. HOMESTAKE.—Sinking since November when work was recommenced under new gement, 65 feet.

GREEN MOUNTAIN.-The new power plant in n place and eight men are at work. The shaf s down 85 feet.

SOUTHERN BELLE -About 100 feet of winzes

LE ROI.-Sinking, 160 feet; drifting and tun seling, 2,500 feet; raises and winzes, 280 feet. COLUMBIA-KOOTENAY.-Tunneling and drift-ing, 2,820 feet; raising and sinking, 160 feet. NICKEL PLATE.-Tunneling and drifting, 2,40 feet; raises and winzes, 60 feet. GIANT.-Ten men were employed. Shafting 115 feet, tunneling 125 feet. DEER PARK.-Shaft sunk 112 feet to a depth of 303 feet, drifting 300 feet. was 75 feet deep, has now reached a depth of 125 feet. The bottom is in mineralized quartz, in which a good deal of calcite and oxides are found. Within a week the ladge will be here here JOSIE.-Tunneling and crosscutting, 1,300 feet; raises and winzes, 50 feet. No. 1.-Shafts, 220 feet; tunneling and cros cuts, 900 feet. ALBERTA.-Twenty feet of work don the year. FLORENCE.-About 20 feet of croscutting was

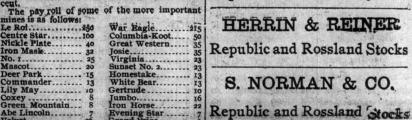
> RED MOUNTAIN-IDA MAY,-The shaft was sur EAST ST. LOUIS .- The shaft was sunk 13 feet.

ROYAL GECRGE.—The shaft was sunk 22 feet. EVENING STAR .- Drifting, 260 feet. ABE LINCOLN .- Sinking 115 feet. GRAND PRIZE .- Sinking 70 feet. GOPHER.-Sinking and drifting so feet. WAR EAGLE .- Total work, 4,000 feet. COXEY .- Tunnel run 400 feet. GERTRUDE .- Tunnel and shafts, 225 feet. JUMBO .- Tunnel run 500 feet, ABBOTSFORD.-Tunnel run 150 feet. MASCOT FR.-Shaft sunk 50 teet.

The Fay Boll.

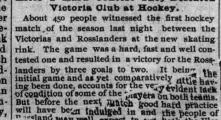
Republic and Rossland Stocks Exactly 1.040 men are employed in 29 of the nore important properties over the camp. Othe erties will employ about 200 men

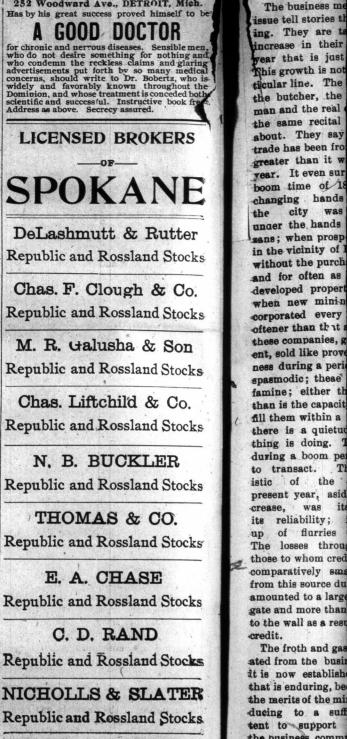
properties will employ about 200 men m which will make the mining pay roll of camp 1,200 men. On the average of \$100 month, the mines disburse \$120,000 every day, or \$1,440,000 per year. The increase in pay roll in the past year has been nearly 100 cent NICHOLLS & SLATER Republic and Rossland Stocks.



Evening St Grand Prize

Total **ROSSLANDERS WIN**





(Editorial c

BUSINESS

it is now establish that is enduring, be the merits of the mi ducing to a suf tent to support the business comm crease in the output ment of the mines corresponding aug business of the cam to be many steps for mines during the certain to be the bes the experience of views and prophesie bers of the busines fore, that they exp their transactions realized. There is they will be. The larger than it was year, but even if it ratio of increase as good ground for con The merchants of so successful so far i they should reach deavor to make thi of West Kootenay.

chief mining, financ

and with these adv come the chief job

already taken som tion. By a little

portant goal could Rossland be the

British America corporation, with he yestments of nearly \$5,000,000 in the north belt. Close after it came the purchase by the Gooderham-Blackstock syndicate of the Centre Star for \$2,000,000 cash. The flotation of the Le Roi in London proved

year of development. The reduction of the smelting rate from \$11 to \$7.50 has given an immense impetus to the min-ing industry and everywhere the big mines have been preparing for heavy shipments during the coming year. It is expected that the cheap coke furnished by the Crow's Nest Pass line without doubt, enable the smelters to permit of still further cuts until a freight and treatment rate of Yo effort \$5.60 per two is possible. Al-ready the Le Boi company at its North-port works is handling ore for a less cost than the first named figures. With the reduction of the smelting rates to these figures, the shipments for the coming year will be altogether un-precedented. The War Eagle will begin outputting on an extensive scale about

rates to these figures, the shipments for the coming year will be altogether un-precedented. The War Eagle will begin outputting on an extensive scale about the first of next month, and by the time the snow flies next winter the shipping list will be reinforced by the Le Roi and the Centre Star, which will be producing on the basis of about 400 tons each daily. It is certain, therefore, that within nine months the shipments of the camp will aggreate 1,200 tons daily from those three properties alone, not to mention the other shippers which will be on the list by that time.

THE ORE SHIPMENTS.

Ore shipments from the mines of the Rossland camp for the year ending December 31, 1898, were as follows:

Le Roi	66,000
War Eagle	42,779
Iron Mask	3,500
Centre Star	2,907
Poorman	453
Monte Christo	416
Velvet	350
Velvet	140
Giant	114
Sunset No. 2	32
Deer Park	6
	20110.2

Shipments of ore were divided as fol-

To the Le Roi Mining & Smelt- ing company's works at North-	1.50
port, Wash.:	131
Le Roi	
Velvet	1%
Poorman	66,8
To the British Columbia Smelting	

ing & Refining company's works at Trail, B. C.:

in the north belt. Close after it came the purchase by the Gooderham-Blackstock syndicate of the Centre Star for \$2,000,000 cash. The flotation of the Le Roi in London proved to be the financial triumph of the year. The stock was doubly subscribed, and since then it has risen steadily in value that according to the latest reports the shares were quoted at £8 17s. 6d., or an advance of 75 per cent. The year has been in a great degree a year of development. The reduction of the smelting rate from \$11 to \$7.50 has given an immense impetus to the min-ing industry and everywhere the big mines have here new any in a seven-drill com-ting the start of the start of the start of the start in the neighborhood of 400 tons. With in the neighborhood of 400 tons.

has installed the new plant on the Vir-ginia costing \$6,500. The Le Roi and the Centre Star have each put in com-plete new holsting plants. The heavy machinery either erected or contracted for during the past year amounts in value to \$150,000. In add-ition, repairs and smaller machinery value of the machinery secured in the past fear fully \$200,000. West Kootenay Power & Light Co. The construction of the West Koot-enay Power & Light company's alterna-tive line is completed from Bonnington purchases of the British America corhas installed the new plant on the Vir-ginia costing \$6,500. The Le Roi and the Centre Star have each put in com-plete new hoisting plants. The heavy machinery either erected or contracted for during the past year amounts in value to \$150,000. In add-ition, repairs and smaller machinery purchased in the camp would make the value of the machinery secured in the past year fully \$200,000.

tive line is completed from Bonnington

Fails to the Rossland sub-station, a distance of 31 miles. The right-of-way is taken over the property before the new is uperintendent, J. B. Hasting, was athorized to undertake its development of the new for the sector the property to the factor the property t The new management had hardly

and the property, John Y. Cole, expects to forwards.
bas been taken over by a Toronto company. The capitalisation is \$750,000 in 3,000,000 25-cent shares, of which 2,000.
bas been taken over by a Toronto company. The capitalisation is \$750,000 in 3,000,000 25-cent shares, of which 2,000.
commission of the property. The ore in the merits of the property. The ore in the merits of the property. The ore in the merits of the property. The ore in the wallingford shaft runs as high as 20 per cent in copper, besides gold and silver values. It is similar to that found in the Velvet, Victory-Triumph, Wallaroo and Anaconda properties, and it is expected to strike this same ledge in the Wallingford tunnel during February. Two shifts will be kept working continuously unit the ledge is encountered, after which drifting or sinking will be continued. W. O. Archer is the local manager.
Big Four.

to strike this same ledge in the waining ford tunnel during February. Two shifts will be kept working continuously until the ledge is encountered, after which drifting or sinking will be continued. W. O. Archer is the local manager. Big Four. The vein which traverses this property is now the subject of much interest in the solution of the subject of much interest. The vein of the geological circles. The

local and other geological circles. The vein as exposed was cut by the Red THEY MUST BEHAVE WELL

> General Otis' Proclamation to the Filipinos Kept Secret.

adhere to their original intention and withhold

adhere to their original intention and withhold from publication the proclamation to be ad-dressed to the Filipinos by General Otis, the mil-itary commander of the islands, until the docu-ment has been given publicity at Manila. The proclamation is very long, going in great detail into the conditions in the islands, and out-lining, as far as possible at this time, the inten-tions of the administration at Washington to-wards the people of the archipelago, the keynote being the strong intimation conveyed that the whole future happiness and welfare of the islands depends on their conduct now.

LILY MAY.-Work was recommenced on No-vember 1. The shaft is now down about 140 feet. The old Lily May company is under contract to deliver the property to the English Candian com-pany on February 1, on the performance of cer-tain conditions which are being carried out.

tion Completely Destroyed. CHTCAGO, III., Dec. 31.—A special to the News from Portland, Ind., says: With a roar, which was heard 15 miles away, followed by a flash of fire which reach d hundreds of feet high and lighted the entire country for miles around, a 12-inch ine leading from the Ohio & Indiana company's immense gas station, one mile south of Red Key, 'unst today. A few seconds later the entire structure was in flames and the fire-raged until the building was destroyed. The pumping station compressed the gas which went through the lines to Lima, Fiqua. Dayton and a number of other Ohio towns and cities as well as a number in Indiana, and was erected at a heavy expense, being equipped with powerful batteries of boliers and immense en-gines and compressors. It was one of the most complete of its kind in existence. Three years ago the same station was wrecked

Three years ago the same station was wrecked y an explosion of natural gas, when two me ore killed and the loss was close to \$100,000.

thy, but note ocn indulged in and the people of """ and the Rosslanders put up first class bockey. It itory was 845 before the game was called, and right here it might be well to remind the hockey men that the delay appeared unwarranted. The teams lined up as follows: foot Rosslanders.

cover point forwards.

WASHINGTON, D. C., Dec. 31.-Upon full con

deration the authorities here have decided to

tion Completely Destroyed.

Jenning Merrit O'Brien [Capt. Richest in Cream. Best for All Purposes.



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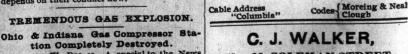
erected thereon. The hotel or boarding house is now let under short lease. It contains 22 rooms, the furniture of which may be secured if desired. For terms and full particulars apply to RICHARD PLEWMAN, Agt.,

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