

IMAGE EVALUATION TEST TARGET (MT-3)



Photographic Sciences Corporation

23 WEST MAIN STREET WEBSTER, N.M. 24580 (716) 872-4503

STATE OF THE STATE

CIHM/ICMH Microfiche Series. CIHM/ICMH Collection de microfiches.



Canadian Institute for Historical Microreproductions / Institut canadian de microreproductions historiques



(C) 1984

Technical and Bibliographic Notes/Notes techniques et bibliographiques

Ti

O bit si of file si of

origin copy which repro	Institute has atter nal copy available which may be bi th may alter any o oduction, or which usual method of fi	for filming. Fea bliographically (If the images in In may significan	itures of this unique, the itly change	qu'i de d poir une mod	l lui a été et exemp et de vue image re lification	nicrofilmé la possible d plaire qui sa bibliograph produite, a dans la mé s ci-dessou	e se procu ont peut-ê nique, qui ou qui peu othode noi	rer. Les e tre uniqu peuvent vent exig	détails es du modifier er une	
	Coloured covers, Couverture de co					ed pages/ le couleur				
	Covers damaged Couverture endo		•		_	damaged/ endommage	ies			
	Covers restored Couverture resta					estored and estaurées e				
	Cover title missir Le titre de couve			Q		liscoloured lécolorées,			ies	
	Coloured maps/ Cartes géograph	iques en couleu	•		_	ietached/ létachées				
	Coloured ink (i.e. other than blue or black)/ Encre de couleur (i.e. autre que bleue ou noire)				Showthrough/ Transparence					
J	Coloured plates a					of print va inégale de		on		
	Bound with other material/ Relié avec d'autres documents				Includes supplementary material/ Comprend du matériel supplémentaire					
Tight binding may cause shadows or distortion along interior margin/ La re liure serrée peut causer de l'ombre ou de la distortion le long de la marge intérieure Blank leaves added during restoration may appear within the text. When over possible, these have been omitted from filming/ Il se peut que certaines pages blanches ajoutées lors d'une restauration apperaissent dans le texte, mais, lorsque cela était possible, ces pages n'ont pas été filmées.					Only edition available/ Seule édition disponible Pages wholly or partially obscured by errata slips, tissues, etc., have been refilmed to ensure the best possible image/ Les pages totalement ou partiellement obscurcies par un feuillet d'errata, une pelure, etc., ont été filmées à nouveau de façon à obtenir la meilleure image possible.					
	Additional comm Commentaires s									
	item is filmed at									
10X		ıx	18X	22X		26X		30X		
	12X	16X		90X	24X	1	28X		32X	

The copy filmed here has been reproduced thanks to the generosity of:

Vancouver Public Library

The images appearing here are the best quality possible considering the condition and legibility of the original copy and in keeping with the filming contract specifications.

ils

ne

ege

ata

lure.

lifier

Original copies in printed paper covers are filmed beginning with the front cover and ending on the last page with a printed or illustrated impression, or the back cover when appropriate. All other original copies are filmed beginning on the first page with a printed or illustrated impression, and ending on the last page with a printed or illustrated impression.

The last recorded frame on each microfiche shall contain the symbol → (meaning "CONTINUED"), or the symbol ▼ (meaning "END"), whichever applies.

Maps, plates, charts, etc., may be filmed at different reduction ratios. Those too large to be entirely included in one exposure are filmed beginning in the upper left hand corner, left to right and top to bottom, as many frames as required. The following diagrams illustrate the method:

L'examplaire filmé fut reproduit grâce à la générosité de:

Vancouver Public Library

Les images suivantes ont été reproduites avec le plus grand soin, compte tenu de la condition et de la netteté de l'exemplaire filmé, et an conformité avec les conditions du contrat de filmage.

Les exemplaires originaux dont la couverture en papier est imprimée sont filmés en commençant par le premier plat et en terminant soit par la dernière page qui comporte une empreinte d'impression ou d'illustration, soit par le second plat, selon le cas. Tous les autres exemplaires originaux sont filmés en commençant par la première page qui comporte une empreinte d'impression ou d'illustration et en terminant par la dernière page qui comporte une telle empreinte.

Un des symboles suivants apparaîtra sur la dernière image de chaque microfiche, selon le cas: le symbole → signifie "A SUIVRE", le symbole ▼ signifie "FIN".

Les cartes, planches, tableaux, etc., peuvent être filmés à des taux de réduction différents. Lorsque le document est trop grand pour être reproduit en un seul cliché, il est filmé à partir de l'angle supérieur gauche, de gauche à droite, et de haut en bas, en prenant le nombre d'images nêcesseire. Les diagrammes suivants illustrent la méthode.

1	2	3		1	
				2	
				3	
	1	2	3		
	4	5	6		



11

The Idol o' the Staff.

JULY ANNUAL

Kootenay Mining Standard,

1899.

AN ILLUSTRATED JOURNAL

SHOWING THE

Beauties and Resources of the Kootenays.

Endorsed by the various Municipal Bodies and Boards of Trade throughout the District.

"Read, Mark, Learn and Inwardly Digest."

SINGLE COPIES \$1.50 EACH.

FIVE COPIES OR OVER \$1.00 EACH.

NW 1971...08 8 K 83;

PRINTED AND PUBLISHED
BY THE
STANDARD PUBLISHING CO.,
ROSSLAND, B. C.

tranta

KOOTENAY Mining Standard. JULY ANNUAL.

ROSSLAND, B. C., JULY, 1899.

Kootenay

An up-to-date newspaper, published in the interest of the Kootenays.

Printed and published monthly at the office of the Standard Publishing Co., 118 Columbia Ave. E., Rossland, B.C. P.O. Box 308; Phone 88; Cable Address, "Standard," Code, Bedford-McNeill.

RATES OF SUBSCRIPTION:

All communications to the editor must be accompanied by the writer's name and address, not necessarily for publication, but as evidence of good faith.

Copies of the STANDARD can be secured at all reliable news stands.

will be favorably received. The are fully appreciated. fear, favor or affection. Particular been accomplished.

tenays-the most favored section of are practically illimitable. ence paid for by any party whose it becomes a wagon road. The work has been as will be observed by our illus- sive one, and the progress made is, delayed longer than we anticipated. trated pages. In this particular the on the whole, satisfactory. Kootenay is a big district to cover, position of the Kootenay Mining The Kootenay district comprises and our anxiety to make the annual Standard Annual is unique. In an area of over 15,000,000 acres, as complete as possible is the only faithfully representing the resources extending north and south from the excuse we have to tender for not and beauties of our country to the international boundary to the Big publishing on the date announced. world we feel that good will result, Bend of the Columbia. It is divided Every section of the country has and to those who have assisted us in by the Purcell range of the Selkirks been visited by our special corres- our work we tender our best thanks. into East and West Kootenay, and pondents and artists: the result of All along the line we have been re- almost the entire region is drained their labors we now respectfully ceived very generously, which en- by the Columbia River, which flows submit, and venture to hope that it courages the belief that our labors north through East Kootenay and

localities throughout the Kootenays have some of the richest mines in minence as a mineral section.

have from time to time been "written British Columbia, while the developup" by those immediately interested ment work being done proves conand in some cases at least with an clusively that there are equally rich apparent desire to detract from the bodies of ore yet to be handled. It merits of neighboring camps so as is only a matter of a few months till to inflate the richness of the section new dividend paying properties shall under treatment. We have endea- have been added to the list and new vored to avoid these undesirable shippers recorded. As the country comparisons and present matters just is being opened up new discoveries as we find them. The naked truth are made which go to prove that is all that need be told of the Koo- the mineral resources of the district a peculiarly favored province. Not first prospectors blaze a trail, the a line in the annual has been in- next flight of newcomers cut it out dicted by any corporation, body or rendering it plain and passable : by individual to "boom" their parti- those who follow the trail is still cular interests nor is a single sent- further improved, until ultimately property may be mentioned. Under process is not as rapid as might be such circumstances the contents of desired, nor is the provincial governthe annual may be relied on as re- ment to be complimented on their N presenting our Annual we would presenting Kootenay in its present road-making policy: the tendency apologise to all who have ex- stage of development. Our work rather is to leave to private enterperienced disappointment in not is endorsed by every board of trade prise much that should be done at having received their number as and municipal body throughout the the expense of the public exchequer. early as we had hoped to place it in entire district we profess to cover, However, the district is an exten-

south through West Keetenay. It information herewith furnished has Kootenay is a comparatively young may be said that throughout the been obtained from the most reliable mining country, but during its brief whole country mineral is found, and sources, and is presented without history some wonderful things have in great variety. Early in the 80's To-day we the Kootenays first came into protors from Cariboo, California, Co!- principal element of value. The off in the silver product of Slocan. orado and other well-known mining galena is usually rich in silver where To the total Ainsworth division conregions wandered into Kootenay in the ledges are small, the silver value tributed \$159,801, Nelson \$694,880, search of gold. But the formation decreasing in inverse ratio to the Slocan \$2,619,852, and Trail Creek was new to them. Some of the more increased size of the ledge. Lead \$2,470,811. It is, perhaps, in the practical of the little band flung values range as high as 75 per cent. Trail Creek division that the greataside precedent and boldly pro- with a few dollars per ton in gold. er, activity is apparent. The vast claimed the mineral wealth of the Gray copper proves a high grade amount of development work being heads were filled with California iron carries a gold value. Silver substantial returns to the fortunate precedents, were called in and aver- also occurs in association with cop- investors. Already there are many red that the ore was too base and per in some districts, and in the dividend-paying properties in Trail low grade to pay for treatment, and form of chlorides, bromides and car- Creek, and others are being added that the formation was so broken bonates. Free gold is frequently to the list. Some idea of the amount that it would be impossible to follow found on the surface, where the ore of work being done may be formed any ore body from the croppings to has been subject to the decomposing from the machinery installed at the any considerable depth. How mis- influence of the air, but it continues various mines throughout Kootenay taken these gentlemen were has in decreasing ratio as the ore bodies -a list of which machinery is given since been fully demonstrated. It are followed down. With increas- in another page. has been proven over and over again ing depth the gold is found more they had but themselves to blame. to excite wonder.

common, perhaps, being iron and Kootenays a wide berth.

formations met with in this district our mines are second to none in the facilities.

Ilttie silver, and often carry so much last year the figures were \$6,177,343, mode of treatment is devised.

few of the old miners and prospec- copper as to make that metal the and this in the face of a big falling Experts, whose silver ore, and when associated with done in this section promises to yield

A wholesome sign of the times is that the ore codies increase as depth and more in iron and copper sul- the anxiety being displayed by railis attained, and that values improve. phides. In many sections the ledges way companies to get into newly However, it took some time and have a gangue of quartz, porphyry, opened districts. The big corporacapital to make the pleasing disco- porphyritic quartz, horneblende or tions realize the immense trade to be The first flock of investors modifications of these several rocks, captured, and seem determined to was doomed to disappointment, and and are exposed to such a width as get as big a slice of it as possible. The Crow's Nest Pass line has They were without experience in With renewed confidence in the opened up an immense country, not mining-farmers, merchants, manu- mines of the Kootenays, a large the least important feature of which facturers and professional men from amount of capital has come in and is the immense coal deposits-said the eastern provinces and the Old development work is being actively to be among the most extensive on Country. This was no mining pop- pursued. Unfortunately, the recent the continent. Then, the rich ulation, and those who composed eight-hour law has been productive Boundary Creek district, lying at it had to pay for their experience. of some trouble, but it will only be our very doors, will contribute its Besides, there were "sharpers" in of temporary duration. There is a full quota to Kootenay's wealth as those days who missed no oppor- general feeling that the change soon as railway construction is comtunity to take the tenderfoot in and should have been agitated rather pleted there, while the Lardeaurelieve him of his superfluous cash. than legislated. To spring such Duncan miners will shortly have By degrees, however, prejudices legislation upon a mining com- the iron horse snorting past their were removed and experience was munity shows undue impetuosity, doors at the head of richly freighted gained, till to-day Kootenay can to say the least. However, the cars. Throughout the Kootenays boast of the most practical miners in mining laws of British Columbia railway building is going on apace. the country and the richest mines. will bear favorable comparison with so that ample provision is being As already stated, the peculiar those of any other country, while made for very complete transport

were a puzzle to the experts who world for richness and extent. Here Heretofore the treatment of the undertook to report on the rich dis- as no place else, is person and pro- ores was a difficult problem, but Minerals are found in perty safe. The laws are enforced; this has been overcome to a great almost every combination, the most evil-doers know this, and give the extent. With a greatly improved railway service, better roads and copper pyrites, arseno-pyrite, chal- As an example of the rapid growth trails, modern machinery, and recopyrite, pyrrhotite, tetrahedrite or of the mining industry in the Koo- duced smelter charges the output of gray copper, galena or zinc blende. tenays, it may be mentioned that the mines can now be economically The pyritic ores carry gold in some while in 1896 this territory turned and profitably treated, and it is only a proportion almost invariably, with a out ore to the value of \$4,157,162, matter of time till somestill cheaper



ROSSLAND.

failing locan. n con-4,880. Creek in the greatie vast being o yield tunate many 1 Trail added mount formed at the otenay s given imes is oy railnewly orpora-

le tobe ned to

ossible.

ie has

ry, not

f which

s-said

sive on

e rich

ying at

oute its

alth as

is com-

ardeau-

y have

st their

eighted

otenays

apace,

s being

ansport

of the

m, but

a great

nproved

ads and

and re-

utput of

omically

isonlya

cheaper

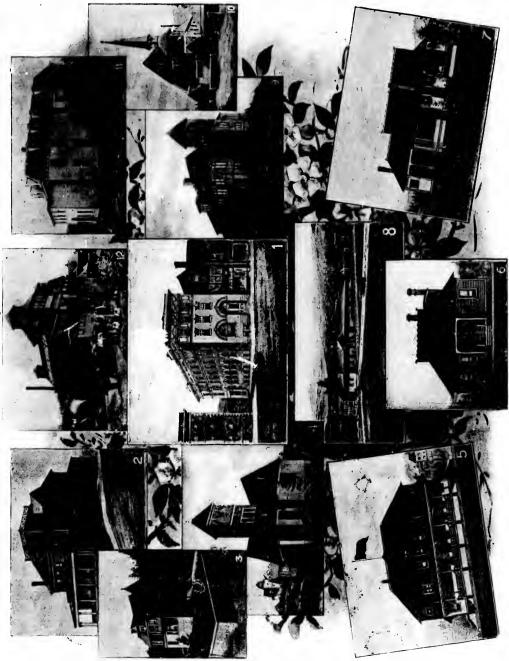
d.

in the mining history of this dis- trict extends six unles northward S. Topping, the then recorder, retrict which gives it a peculiar facin- from the international boundary and luctantly accepted the offer. About dry technical details which practical the Columbia River. Two systems by Harry Sherrin for himself and miners so much enjoy. Up to a few of railway run through, connecting R. E. Lemon, of Nelson. the busy, thriving, progressive city Western, which connect in turn with he selected in lieu of recording fees). little band of hardy, hopeful pros- ship lines. pectors, and had no place on the map of British Columbia. establishes a confidence thatensures ginia. level, and is the centre of the famous were so low that the disappointed 1890, and by the following spring a

STREET VIEW, ROSSLAND.

There is an element of romance Gold range of mountains. The disc claims in lieu of recording fees. E.

Tral Creek mining district, in the prospectors offered any one of the ation for those who do not relish the about seven miles westward from the same time the Josie was located brief years ago what is now the with Rossland -the Spokane Falls Topping lost no time in testing his mining capital of the Kootenays - & Northern and the Columbia & property (the Le Roi was the claim of Rossland-was known only to a the big trunk systems and steam. He had samples of the ore taken to Colville, Wash., and got returns About the first mineral discovery approaching \$500. He showed his To-day in the immediate district of Ross- specimens and assays to George M. Rossland is the best known mining land was made in 1887 by George Forster and Col. Wm. Ridpath, two centre perhaps in the world, and the Bowman and George Layson, who lawyers attending court, by whom one receiving most attention on the guarded their secret very jealously. he was induced to go to Spokane part of mining experts and judicious Their mysterious air, however, in- and show the ore to Oliver Durant, investors. The accompanying views duced others to try their luck in the an experienced mining engineer. So of the "camp," as the place is still wilds, and two years later the Lily pleased was this gentleman with the familiarly designated, with some of May was located by Oliver Boideau prospect that he took a six months' its leading mines, machinery, etc., and Newlin Hoover. The initial bond on the property, for which he will give a fair idea of its pheno- locations on Red Mountain were agreed to pay \$30,000 and to spend menal growth, while the activity made in July, 1890, by Joseph Bour- \$3,000 in development work. The displayed in mining operations and jois and Joe Morris--the Centre venture was joined in by a coterie the amount of capital being invested Star, War Fagle, Idaho and Vir- of lawyers, including Messrs. Fors-Later on they also staked ter and Ridpath, Senator George success. Rossland stands at an ele-the now famous Le Roi, but the Turner, Col. W. W. D. Turner and vation of some 3,200 feet above sea assays from the samples taken out Frank Graves. This was in Nov.,



Bank of Montreal.
 Rossland Club.
 Residence of Ald. Ross Thompson, the Founder of Rossland.
 Haptist Church.
 British America Corporation, General Office.
 Bank of Montreal Founder of Rossland.
 British America Corporation, General Office.
 Bank of Montreal Founder of Rossland.
 Bank of Montreal of Rossland.
 Bank of Rossland.

chased, and the Le Roi Mining & are numerous. Smelting Co. was organized. In

in ore that ran high in values. The cepted Le Roi stock under protest the same time a substantial reducbond was taken up, some interests thus acquired unexpected riches it tion has been made in freight and reserved by Col. Topping were pur- would be difficult to say, but they smelter charges. The Spokane Falls

the fall of 1891 the first car load of lier stages of the Le Roi is given land. Thus by degrees the camp ore was packed out and shipped to because it is the poincer mine of the emerged from the prospecting to the a smelter at Butte, giving returns of camp. It was not until 1893 that mining and shipping stage. \$86.40 in gold, silver and copper, the development of the other pro-But despite the prospects of the Le perties, now so well known, began, located as a pre-emption, in 1891, by Roi of those days, the stock was for In the summer of that year the Ross Thompson, but not until 1895 a long time a drug on the market, wagon road to Trail was made and was it crown-granted and platted. It was reluctantly accepted at a f.w the Le Roi commenced to be a regu- The first sale of town lots took place

shaft was down some thirty-five feet vice. How many of those who ac- the latter considerably enlarged. At & Northern also extended its rail-This brief little history of the ear- way system so as to take in Ross-

The townsite of Rossland was



LE ROI MINE, ROSSLAND.

cents per share in payment of debts lar shipper, and has continued so to the same year. Prices ranged from to persons who have since become the present day. The construction \$25 to \$100 per lot on what is now A Spokaue boarding- of the road down Sheep Creek to the principal thoroughfare in the house keeper took it in payment of Northport, a distance of sixteen city. In those days property in a board bill hopelessly in arrears; miles, followed. Early in 1896 a Rossland sold at so much per lot; a stenographer accepted it in settle- narrow guage railroad was built by in these it is bought up at so much ment of arrears in salary because it F. August Heinze from Rossland per foot. During the summer of was "Hobson's choice;" a tailor to Trail, and a smelter was started 1896 there was a great influx of pocried quits on a suit of clothes in at the latter point by the same gen- pulation -a "boom." consideration of a block of the stock tleman. Both the railway and the lowing spring there must have been and avowed he had the worst of the smalter have since been acquired by fully 7,000 people in the camp; but bargain; the artistic certificate was the Canadian Pacific Railway Co., the boom burst, and matters have traded for a pair of jeans, and in and much improved the former since gradually settled down to a various other ways it did needly ser- widened to the standard scale and sound business basis.

8. NEW



H. A. C. OFFICES, ROBLAND.

one of the first official acts of the represented. "Colonel" was to vote himself a wonderful improvements have taken this year, to July 1st, 64,630 tons. The capital stock of the company is

In March, 1897, the city was in- place-streets graded, miles of sides of ore, an increase of 25,400 tons on corporated, the first mayor being walk laid, fire protection established the corresponding period of 1898. "Colonel" Bob Scott - an eastern and the sewerage, electric light and The Le Roi is the heaviest shipper Canadian gentleman who created waterworks systems extended. Fin- to date, but that great mine hus the impression that he was a man of ancially the city is sound. The some very formidable rivals in the leizure and one willing to give the school system and accommodation camp which may any day catch up community the benefit of his spare is excellent, and all the leading to it. The property passed to the hours and experience. However, religious denominations are well control of the British-America Cor-

Since incorporation some Rossland-well, they have shipped worked, and with the best results.

poration last year with many others, As to the mines in and around and has since been systematically

COLUMBIA AND KOOTENAY MINE, ROSSI AND.



JOSIE MINE, ROSSLAND



GREAT WESTERN, ROSSLAND,

joo tons on to? 1898. est shipper mine has eals in the y cutch up ssed to the ucrica Corany others, tematically est results. company is



in better condition. Some short steadily, with vastly increased faci- sum of \$2,000,000. tion, that the ore was proving of on the new tunnel on the Black cularly directed to practical devel-The idea was erroneously founded at a good pace. on the fact that the smelter returns regular dividends. The new com- the figures are 20,262 tons.

have been lower in proportion to equipped with an electric plant, making the total for the half-year the amount of ore now handled. In The whole property has undergone 1,835 tons. The mine is to be thothis connection it should be remem- a complete change since it came into roughly equipped with up-to-date bered that under the old manage- the hands of the Toronto syndicate, machinery, which it is expected will ment only picked ore was shipped headed by Messrs. Gooderham and be installed by October next. Both indeed, nothing eise would pay Blackstock. Last year the output properties enjoy rare facilities for considering the then freight and of the mine shipped for treatment handling ore owing to their proximsmelter charges and the imperative totalled 42,779 tons, while for the ity to the railway. By the payment demand of stockholders for their first six months of the present year of the last regular monthly dividend pany, however, is doing systematic mine ceased to be a shipper for a received to date \$335,250. development work, and is sending considerable period pending extensible by the reduction in freight and War Eagle Consolidated Mining & record is 1,275 tons. Work is pro-The property will maintain also own and operate the Centre is now one of the established shipits old position as a substantial divi- Star, an adjacent property, for which pers of the camp.

\$7,500. The mine itself was never dend-payer. Work goes ahead the former owners were paid the time ago the rumour was started by lities for handling the ore. Sinking tous had been shipped under the old some interested parties who evi- on the main shaft to the 900-foot management, and although at predently did not understand the posi-level is now in progress, and work sent attention is being more partiinferior grade as depth is attained. Bear ground is being pushed along coment, considerable ore is sent to the smelter. For the week ending The War Eagle is now thoroughly July 1st, 640 tons were shipped, The the War Eagle shareholders have

The Iron Mask last year sent to to the smelter material which would sive alterations and more favorable the smelter 3,370 tous of ore, and under the old regeme be consigned smelter rates than prevailed when received therefor \$72,600. For the to the dump. This is rendered pos- the property was taken over by the first half of the current year the smelter rates—now from \$5 to \$6 a Development Co. The company gressing steadily at the mine, which

> inc for the

th

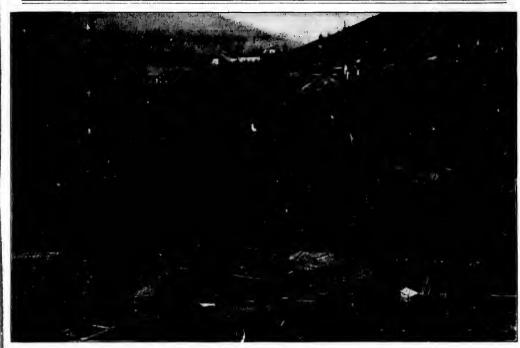


THE NICKEL PLATE, ROSSLAND

paid the out 2,600 er the old gh at preiore partical develis sent to ek ending shipped, half-year to be thoup-to-date pected will ext. Both cilities for eir proximie payment ly dividend lders have

ear sent to of ore, and o. For the t year the ork is promine, which lished ship-





VIRGINIA MINE, SHOWING CENTRE STAR, WAR EAGLE, AND LE ROL

The Evening Star has joined the hopefully of the prospects. that the output can be materially land, increased. A contract has been let for hauling the ore to the depot and dition. the lower tunnel.

made.

At the Deer Park they are drift- started. ing on the 300-foot level, and all is more to come.

The Iron Horse shows every inout clear across, and a drift is being which was struck recently. run on a 10-inch streak of high main shaft in good ore. proceeding vigorously.

and the management speak very suffice to reach the main ledge.

The list of shippers, and from present property is situated on the O. K. for the big compressor, which is indications there can be no doubt Mountain, two miles west of Ross- expected daily. There will be no time

the winze is being continued from surface to the 200-foot level for the well. new shaft has been made and the At the Virginia work goes on timbering completed. Sinking will the arrival of new machinery. All steadily, but no shipments have been be continued to the 400-foot level, is in readiness to instal the plant and from which point drifting will be resume work.

Some small ship-ness to resume active operations, is being made between the several ments of ore have been made from The policy is to sink the shaft 400 levels, three of which are being conthe mine, with every prospect of or 500 feet if necessary, and tho-tinned. roughly test the property.

The Velvet continues to improve grade copper ore. There is also a as work progresses. On the 200- the long tunnel advances. 180-foot drift from the bottom of the foot level the ore body has been ent Work is across for some eight feet. The I. X. L. has resumed work, is expected another 100 feet will Great things are expected from the

The new St. Elmo is in readiness lost in installing the plant. The Nickel Plate is in good con- present the tunnel is receiving all The connection from the attention, and everything is looking

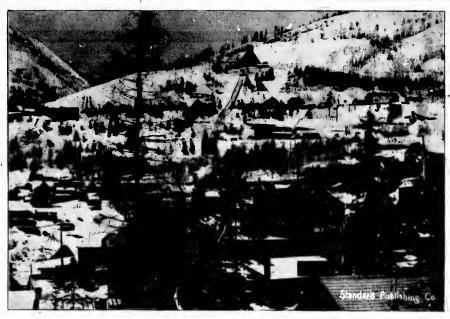
The Great Western is awaiting

At the Columbia-Kootenay the The White Bear is now in readi-usual activity prevails. Connection

The Green Mountain managers The Douglas is showing up well are sanguine that by a little more dication of becoming a great pro- for the amount of work done. They work they will be able to determine A 158-foot ledge has been are now engaged on a 30-foot lead the character and extent of their recent rich strike.

The Jumbo improves as work on

The Lily May ore body is widen-The ing out, which gives renewed vigor main tunnel is in some 300 feet. It to those engaged in the property. Lily May.



1. LE ROI MINE. 2. WAR EAGLE SHAFT-HOUSE. 3. WAR EAGLE AND CENTRE STAR MINES.

The Leiter tunnel is in nearly 200 feet. It was driven for No. 3 lead, tinnes on the 300-foot level, and shoe ledge, which has been struck. The ore is with encouraging results. very promising looking and many declare it of shipping quality. is intended to continue crossing to cutting south is the orders the men hundred feet, when drifting will be determine the width of the ledge.

The Mabel is being worked to cross-ent the ledge. The property shoe are being worked systematic- work continues, is looking well.

It favorably. Drifting west and cross- level preparatory to sinking another are carrying out.

The Southern Belle and Snowally. They are cross-cutting in the

At the Deer Park drifting con-Southern Belle to-meet the Snow-

The Josie hands are engaged in The Homestake is progressing cutting out a station at the 400-loot started.

On the Coxey systematic surface

At the Gertrude cross-entting is continued from the 200-foot level. Work shows up well.

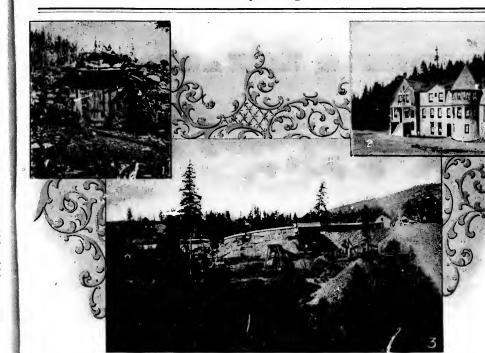
At the Olga and X-Ray tunneling is still the order of the day.

The Big Four has been reorganized, and the new company undertake to work the property for all it is worth. Already considerable work has been done in the way of tunneling and snafting, and this is to be resumed.

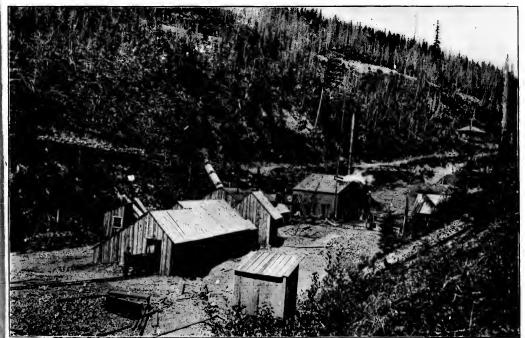
At the Sunset No. 2 development work proves up most satisfactorily. The mine will soon be a regular Good pay ore has been struck, and every facility for working the mine is at hand in the way of unchinery. The Canadian Gold Fields, Ltd., also own and operate the Gold Hunter and Alabama,



WAR EAGLESHAFTHOUSE.



. First Building on War Eagle Ground. 2. Boarding-House, War Eagle. 3. War Eagle Mine, showing Dump.



CENTRE STAR, ROSSLAND.

et the Snow-

re' engaged in ut the 400-foot inking another brifting will be

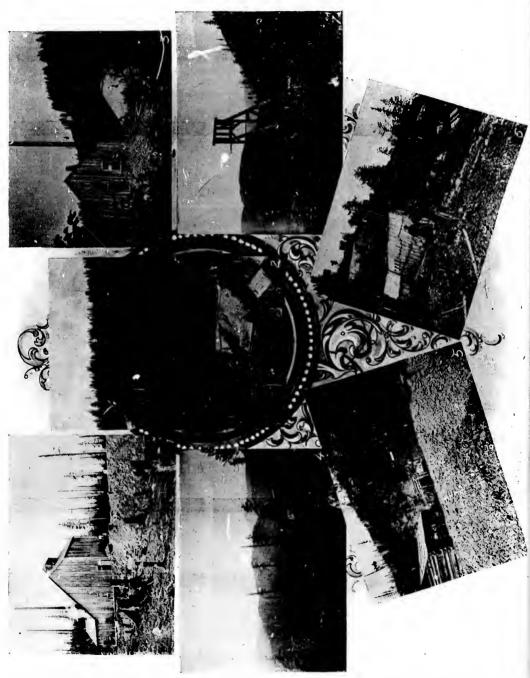
ematic surface

ross-entting is 200-foot level.

-Ray tunneling te day.

been reorganompany underperty for all it y considerable in the way of ng, and this is

2 development t satisfactorily. In be a regular y ore has been weility for workand in the way t Canadian Gold yn and operate and Alabama,



I. WHITE BEAR MINE. 2 JUMBO MINE. 3. TRON COLT MINE. 1 GERTRUDE MINE. 5, CONEY MINE. 6, GLANT MINE. 7, No. 1 MINE (B, A. C.)

cently acquired the Lake Shore ceeds, group at Movie.

perty.

fully worked.

At the Monte Cristo upwards of well as work proceeds. The pro-pecting shaft 30 feet deep, but the 5,000 feet of development work has perty was recently taken over by a development work on the lower been done. There is ample plant strong Toronto syndicate, and the levels of the Velvet is approaching on the ground to operate the pro- development so far done consists of the point where the ore body runs two shafts, several prospect open into the Triumph ground, The Iron Colt has had consider cuts and a 340-foot tunnel. Assays property has been transferred from able work done on it-upwards of run from 11 to 20 per cent. copper the Victory-Triumph Gold Mining 1,000 feet. Here, also, the neces- besides fair gold and silver values. Co. to the Trail Creek Mining Co. sary machinery has been installed. The ore is said to be identical with of London, Eng., and preparations The Good Friday has been care-that found in the Velvet, Victory- are now about consummated for Surface showings Triumph, and Anaconda properties working it on an extensive scale.

adjoining the Sunset, and have re- for work, and improves as it pro- is a good showing of ore at this point. On the Velvet vein nothing The Wallingford is showing up has been done so far except a pros-



IRON MASK, ROSSLAND.

are great, but a sufficient depth has in the same belt. not been attained to fully test the ore bodies.

tinct leads on the ground.

been fairly well proven.

the workings.

The Commander is well equipped feet on the 100-foot level. There sidered outside its range.

The Giant last year shipped 114 and adjoining the Velvet mine. On camps in the country.

The introduction of electricity The Victory-Triumph is located into the mines of Rossland has been on Sophie Moantain, south east of a step in advance of all the other tons of ore, averaging \$17 to the the property are three veins—the rendered possible by the construc-There are at least two dis- Victory vein, the Velvet vein and tion of the Bonnington Falls electhe Triumph east vein. The first- tric works. Although 32 miles The Novelty, adjoining the Giant, named vein is developed by a trut- distant from Rossland, a satisfacis another good property which has nel 700 feet long, with subsidiary toryservice is maintained—so much cross-cuts opening up large bodies so that electricity is not only fast On the Abe Lincoln five stringers of copper-silver ore. The Triumph superceding all the other forms of of pay ore have been encountered in east vein has been opened by a power in mining work, but is being shaft 100 feet deep with drifts 250 applied to branches hitherto con-

No. 1 MINE (B. A. C.)

the 7-drill compressor. Iron Mask a similar motor is in-demands on the service. stalled, while at the Gertrude is a

instance, a 300 horse-power induc- the power current at the Rossland ment has taken place since the tion motor operates the War Eagle sub-station. At present the sub- C. P. R. people acquired the railhoist, also the 40-drill compressor, station contains six 250-kilowatt way and smelter interests of Mr. besides lighting up the mine. At step-down transformers, but six Heinze: the rates have been about the Big Three mine a 100 horse- others of equal capacity are being halved. power synchronous motor drives installed with a new 1,500-kilowatt of ore in the camp which will not At the generator to meet the increasing stand even the reduced rate.

50 horse-power induction motor bia Bullion Extracting Co. are able profit, and hence the advent operating the hoist. In other mines situated on the Red Mountain Rail- of the British Columbia Bullion not already using electric power, way, near Rossland. The location Extracting Co. is hailed with depreparations are being made to is all that can be desired for the light in Rossland. If the new prohave it installed. Besides supply- economic handling of ore, and great cess proves to be what is claimed

There is, however, a lot the Pelatau-Cluici system this ma-The works of the British Colum-terial can be handled at a respect-

112

fo

111

18

t lı

as

K

gī th th

la th K



MONTE CRISTO MINE, ROSSLAND.

ing power and light to the mines things are expected from the plant. for it, it will give a still greater there are several motors, ranging The company is a private one with impetus to mining in the district. from one to five horse-power, in a capital of £40,000, having its For about a year laboratory experioperation in different industries head office in London, Eng. For ments supplemented by practical in Rossland and public and private the treating of ore the Pelatan- working have been carried on at lights are also furnished from the Cluici system is that adopted by the works and definite conclusions falls. During daytime the power and the company, and it is claimed for arrived at. lighting circuits are operated in it that very low grade material can agement announce that every diffiparallel, although they are separ- be handled with profit. Up to a culty has been overcome, and that ated and operated independently very recent date nothing less than they are now open for business. from the power-house by night. \$16 or \$18 ore could be treated in The company are said to have The War Eagle hoist, however, is the Rossland camp so steep were spent \$150,000 in creeting the preoperated on an independent current the freight and smelter charges. In sent plant and conducting the ex-

by day, but at night it is cut into this particular a decided improve- periments alluded to.

As a result the man-

since the red the railests of Mr. been about wever, a lot nich will not l rate. By tem this maat a respectthe advent ıbia Bullion led with dethe new pro-

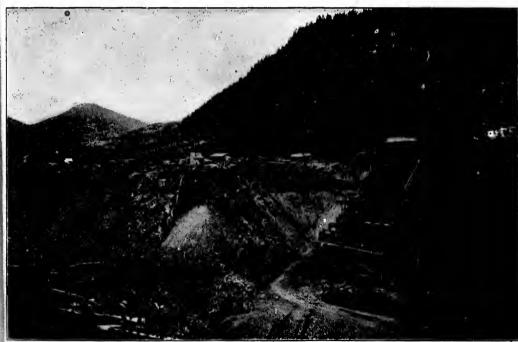


a still greater in the district. oratory experid by practical carried on at ite conclusions esult the manthat every difficome, and that i for business. said to have recting the preducting the exTHE STANDARD.

but with all due respect to these and incur the heavy expense inci- ket before any attempt had been

In presenting our big July illus- efforts are put forth on behalf of the copies, and we are convinced that trated number, a word of explana- particular districts in which they are great good will result to the protion may not be out of place. The issued, often to the exclusion of vince as a whole and the Kootenays work goes from our presses as the equally important mining news from as the most important part, from "annual" of the Kootenay Mining neighboring camps. Then, again, this circulation. To further give Standard, although the publication the ordinary newspaper has to cover honest prominence to the immense has not really been before the public a big field—it is looked to to supply resources of this favored district, we for twelve months. The Standard all sorts and conditions of news, and have arranged for the reproduction made its debut at Nelson in October, the demands upon its space are so of the Standard in London, Eng., 1808, and a few months afterwards numerous that however well dis- where another 10,000 copies will be the plant was moved to Rossland, posed the publishers may be full available for all who wish to know as the mining metropolis of the justice is seldom accorded to the more of the country, whether as a Kootenays. That it has grown in great mining industry, apart from field for safe investment of capital popularity and usefulness the pre- its purely local bearing. Under or as a desirable place to settle in. sent number is respectfully sub-these circumstances a journal such Our illustrations set forth the beaumitted in evidence. The rapid as the Standard, exclusively devoted ties of the Kootenays as well as their growth of the mining industry in to mining interests, has a mission natural wealth, while the greatest this province, and particularly in peculiarly its own, and that the care has been exercised that nothing the Kootenays, called for a journal ground is faithfully and honestly with the slightest tendency to exexclusively devoted to honest min- covered is the verdict of all who aggeration or misrepresentation aping interests: the Standard was have expressed themselves on the pears within the covers, launched to supply the want. True, subject. That our efforts are ap- somewhat unfortunate that many there are a number of weekly and preciated is testified to by the ever- sections of the province have had a a few daily papers published in the increasing circulation of the Stan- "boom." Mining values were in-Kootenays in which considerable dard, and hence we are encouraged flated, "claims" and "prospects" space is devoted to mining matters, to produce our present big number were stocked and put upon the mar-

excellent productions their best dental thereto. The issue is 10,000



BRITISH COLUMBIA BULLION EXTRACTING O.'S WORKS, NEAR ROSSLAND,

victimized and have bitter recollec- assured it is not for reward, tions of the boom days. All this

and the dangerous "wild-cat" man-position to handle our mining news concerns to forward photographs, aged to roam around preying on the without fear, favor, or affection, and and where these were available they Very many were thus if we do err, our readers may be were promptly sent on, but in

has very happily changed, and min-position of having the endorsation have been reluctantly obliged to ing is now carried on as any other of the various municipalities and hold them over for some future oc-The plain public bodies throughout the en- easion, truth about the mineral wealth of tire district in which it operates, this country is all that is necessary. Our special agents and artists have views were taken while the snow -exaggeration and misr-presenta- been over the ground, gleaning the was on the ground, our object being tion are a positive injury. In their latest information and taking the to give friends in other climes an anxiety to gain an enviable pro- most representative views. The idea of what Kootenay is like in

made to practically test their worth, be its principle. We are thus in a requesting the managers of such many cases the delay in securing The Standard enjoys the unique the views has been such that we

As will be observed, some of our



LE ROI SMELTER, NORTHFORT,

matters with the press.

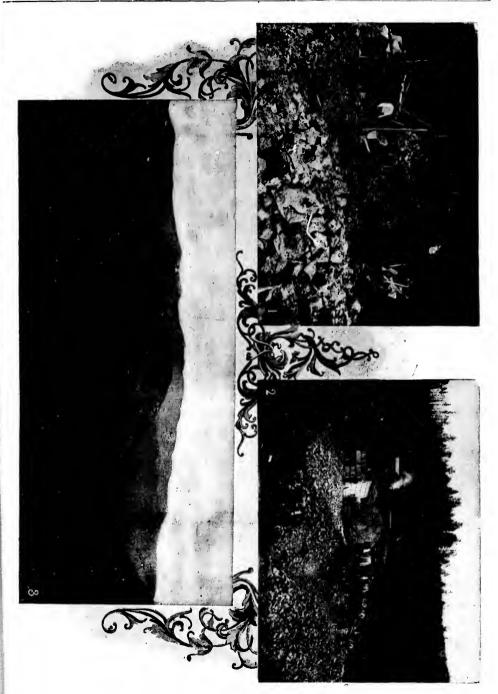
minence for their properties many result of their labors we now sub- winter. The snowfall in some dispromoters are disposed to "square" mit having spared no expense to tricts is heavy, but it is as essential In this present their work in the best pos- to successful mining operations in particular we wish it to be distinctly sible style. While we do not pro-particular places as it is to the growth understood that not a line in the fess to have visited every property of crops in the most favored regions Kootenay Mining Standard is paid in the Kootenays, we claim that the of the world. Over the glistening for by any individual or corporation particulars herewith furnished give white surface the miner glides his -save, of course, our legitimate a correct idea of the country in its supplies on sleighs or raw-hides his advertising pages, and in no instance present stage of progress. In some minerals down the mountain slopes have those who thus patronize us instances bad weather or the diffi- to be carried tomarket. Then with received any consideration to which culty of getting at mines prevented the dawn of spring the mountain they are not justly entitled. This our artist from securing desirable streams begin to play adding volume has been the policy of the Standard views. We endeavored to fill in to such grand lakes and rivers as we all along, and shall ever continue to those blanks in our programme by illustrate.

otographs, uilable they n, but in a securing ch that we obliged to future oc-

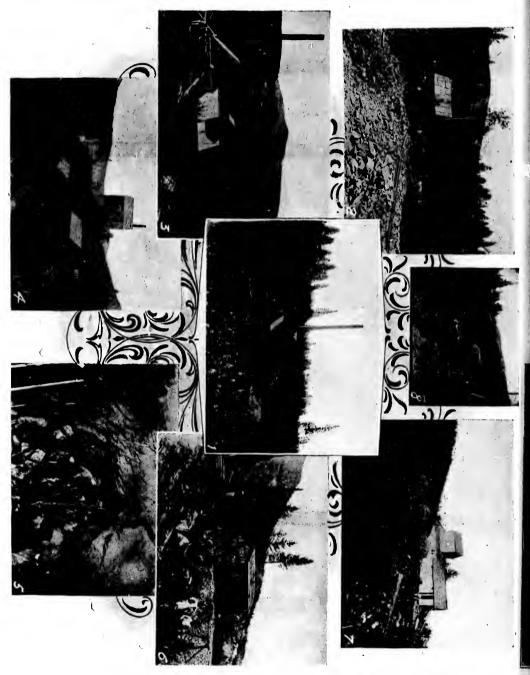
some of our e the snow object being r climes an y is like in



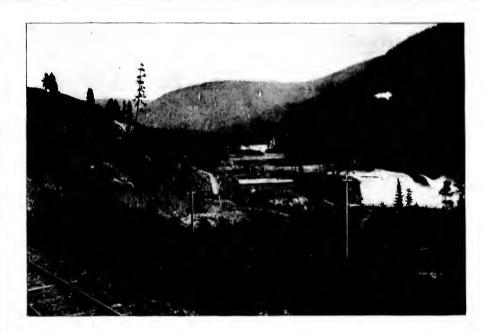
1 in some disis as essential operations in stothe growth wored regions the glistening ner glides his raw-hides his raw-hides his out and the mountain dding volume and rivers as we



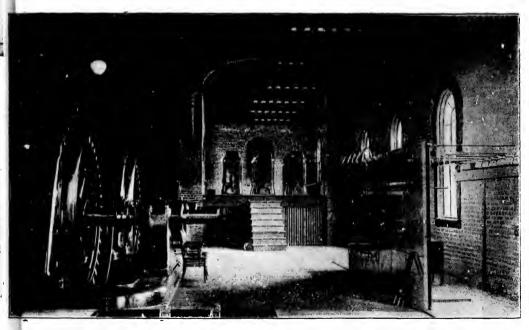
4. VICTORY-TRIUMPH MINE. 2. VELVET MINE. 3. BIG SHEEP GULLY FROM VELVET



1. LILY MAY MINE 2. GOPHER TUNNEL. 3. R. E. LEE MINE, 4. HOMESTAKE MINE, 5. 339-FOOT LEVEL SUNSET NO 2. 6. ARE LINCOLN MINE. 7. DEER PARK MINE. 8. COMMANDER MINE



Electric Power-house, Bonnington Falis.

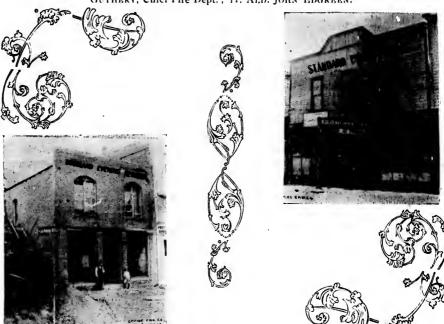


INTERIOR VIEW OF POWER-HOUSE.



GITY COUNCIL, ROSSLAND.

1. J. L. G. Abbott, City Solicitor: 2. W. T. Oliver, Mgr. Bank of B. N. A., City Banker: 3. A. S. Goodrye, Mayor: 4. Ald. J. F. McCrae, 5. Ald. C. O. Lalonde, 6. Ald. J. S. Clute, 7. Ald. J. E. Hooson, 8. W. Harp, City Assessor: 9. W. McQueen, City Clerk: 10. D. Guthery, Chief Fire Dept.: 11. Ald. John Édgreen.





Banker; 3. A. S. J. S. Clute, k; 10. D.







BOARD OF TRADE, ROSSLAND.

- 1. J. FRED RITCHIE,
- 2. RICHARD MARSH,
- 3. Ross Thompson,
- 4. J. S. C. FRASER, President, Mgr.Bank of Montreal,
- 5. WM. DUNN,
- 6. A. S. GOODEVE, Mayor,
- 7. L. D. WEBBER,
- 8. J. B. Johnson,
- 9. JOHN M. SMITH, Manager Bank of Halifax,
- 10. J. S. CLUTE, Jr.,
- II. C. R. HAMILTON,
- 12. DAVID DICKENSON,
- 13. DR. E. BOWES,
- 14. JOHN MCKANE,
- 15. ARCHIE MACKENZIE,
- 16. S. T.LANGLEY,
- 17. HON. T. M. DALY,
- 18. J. F. MCCRAE,
- 19. C. O. LALONDE,
- 20. W. T. OLIVER, Mgr. Bank of B. N. A.,
- 21. H. W. C. JACKSON, Secretary,
- 22. JAMES MARTIN, M.P.P.,
- 23. C. B. BARKER, Mgr. Bank of Toronto.





COTENAY, fair Kootenay, thou once despised "Sea

Of Mountains," what unbounded wealth is held in store by thee

On every peak, in every dale, in stream and river bed,

I hro' ravines drear in ages past by mighty waters fed,

E'er Nature heaved that thunder sigh, the dread volcano's roar,

Nor ceased to belch her burning wrath till mount 'pon mount did soar

Away into the viewless air, each peak still high and higher—

Yea, seeming if to heaven's height the topmost would aspire!

Majestic in thy grandenr,—a nation's hope and pride, in every hill and valley thy golden riches hide;
Not in our empire's diadem a brighter gem than thee is found to mark an epoch in a glorious destiny,
Nor thrill with joy thy favored sons whose priceless heritage that yields its treasures up and will from age to age.

Stand forth, thou glorious Kootenay, in all thy grand array,

Tower up ye snow-capped mountain peaks to welcome dawning day,

Arise ye drooping forest kings, ye slumb'ring zephyrs wake,

Nerve up thy strength ye rippling brooks, swell full thou beauteous lake,

Deep down ye surging gorges sweep your foaming waters 'long,

All join, ye works of Nature, in the joyous, jubilant song:

Rich Kootenay! Fair Kootenay! Thou favored spot on earth,

Decreed a royal heritage when bounty gave thee birth!

NELSON.

located in 1887.

The first general store started in with the towns all along the lake, and a third--the Crow's Nest Pass

Charmingly situated on the shore on the site of the present provincial mineral belt, enjoys the advantage of Kootenay lake lies the city of jail. It was run for a time by Denny of having several other industries to Nelson -commercial metropolis of & Devine. They were bought out swell the pay roll. Here the Hall the Kootenays. The townsite was by R. E. Lemon, who is still one of Mines Smelter is operated; the It was then re- Nelson's most popular citizens, and Slocat Ore Purchasing Co. are corded as Salisbury, but subsequent J. Fred Hume, now Minister of erecting large sampling works; a investigation proved that the very Mines for British Columbia. So franchise has been granted for the ground upon which the city now eager were men to get into business erection and operation of gas works, stands was practically a government in the Nelson of those days, that also for an electric street ear serreserve. The place was also known many "stores" were conducted vice; the largest saw and planing as Stanley - a name given to it by under cauvas. To-day no city or mills in the Kootenays are here at another of its pioneers. After con- town in the Kootenayscan boast of work, employing about 100 hands; siderable disputation, it was decided a better class of business blocks, the Kootenay Cigar Manufacturing that the embryo city should be duly public buildings, private residences. Co. are turning out their fragrant recognized as Nelson, in honor of or a more prosperous and contented smokes as quekly as a score of exthe then lieutenant-governor of the people than can the beautiful city perienced men can roll them into The discovery of rich on the west arm of the most pic- shape; three brick yards are in full mineral deposits on Toad Mountain turesque sheet of water in the coun-swing moulding the material which and neighboring creeks was that try. Nelson was incorporated in is to further build up a model city; which attracted the first settlers, but 1897, the first mayor being John wholesale houses are as busy as can geographically situated as Nelson Houston. The passage of a fire be packing freight for the numeris, its advantages as a distributing limit by-law did much to ensure a ous steamers that ply on the lakes point were quickly realized, and as better class of building than usually and for outside camps, while the the surrounding country commenced runs up in a new western town. It retailers of the city are all doing a to be opened up enterprising busi, is claimed that the present popula- good business. Nelson is a busy ness men brought in their merchan-tion of the city is in the neighbor-spot. dize, for which they met a ready hood of 6,000, and it is constantly for Southern Kootenay. Two railgrowing. Nelson does a big trade way systems connect with the city,

Nelson was in a shack which stood and in addition to being in a rich It is also the judicial centre



VIEW OF NELSON

lake,



line will be there next year.

the pioneer property. themselves sought repose.

STREET SCENE AT NELSON.

The Hall mines are to Nelson was found pawing at some peculiar the title of the Hall Mines, Ltd., what the Le Roi is to Rossland - looking material. This was found have since successfully operated it. Two prost to be rich float of peacock copper Within the past two years the mine pectors, father and son, named Hall, ore. The find altered the program, has paid dividends amounting to 15 were the original locators of the as the intention was to shift camp per cent, on ordinary stock and on mine. And the discovery was pretty that day. A diligent search for the preferred stock 7 per cent, has been much the result of accident. Hav- lead was rewarded with success. It declared for several years. Besides, ing put in a laborious day on the was found a short distance off, and a great amount of development work mountain slope, they set their horses proved to be of exceptional richness, has been done and up-to-date maloose to browse about, while they A shipment of twenty tons, the first chinery installed, Next made, is said to have netted \$8,000, also been creeted out of the profits

their stock, when one of the animals to an English syndicate, who under A smelter has morning they proceeded to round up. The property was subsequently sold of the mine, having a copper blast

fu

to

ciı

to



KOOTENAY LAKE AT NEUSON

trially.



ate, who under Mines, Ltd., lly operated it. years the mine mounting to 15 y stock and on · cent. has been years. Besides, velopment work up-to-date ma-A smelter has it of the profits a copper blast



INTERIOR VIEW, HALL MINES SMELTER,

furnace with a daily capacity of 280 ing the ores of the Hall Mines, there ity of Nelson. tons, silver-lead furnace with a daily is considerable custom work done at capacity of 100 tons, two large cal- the smelter. cining furnaces, and two reverbera-

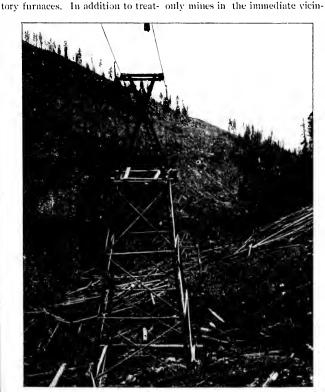
The Dandy group is a big property which is rapidly pushing its But the Hall Mines are not the way to the front. It was but recently acquired by an English syndicate, the members of which are also interested in the Athabasca. Arrangements have been made to thoroughly work the property.

The Last Chance is another of the properties at Nelson which is entitled to special mention. It is a copper proposition. English capital has also been introduced here to further develop the Last Chance, and the necessary work will at once be done to make the mine a dividend payer.

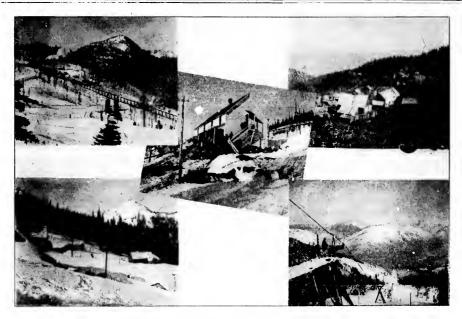
The California, on the northwestern base of Toad Mountain, is a free milling proposition. Work so far has been very satisfactory, and it is to be continued. Indications are that the California will soon be a dividend paver.

The Venus is a property which has recently come to the front. It has been bonded by a Toronto syndicate. A 41/2 foot vein of free milling ore has been uncovered, which is traceable for a considerable distance.

The Athabasea, on Morning Mountain, is a well-developed pro-A 10-stamp mill was put up last fall, and the ore treated has



TRAMWAY, HALL MINES.



SHAVER KING TRAMWAY, HALL MINES, WITER SCENE, SHAVER KING,

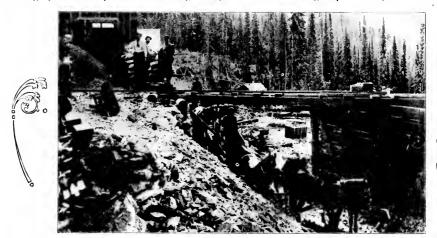
STORE HOUSE, SHAER KING.

SHARE KING SETTLEMENT, HALL MINES TRAM TO SMELTER,

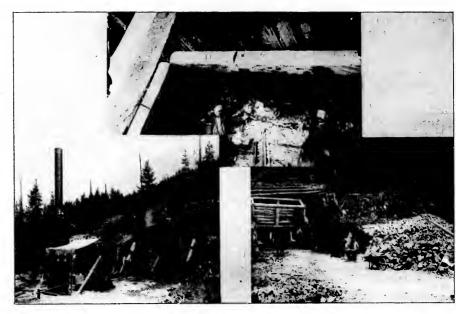
ity.

yielded over \$20 per ton. A great been done. Two veins have been would, perhaps, be \$60 per ton. body of this material is in sight, traced the full length of the pro- There are about 200 tons of ore on and is being systematically worked. perty, running east and west. A the dump, 75 tons of which is first Athabasca gold bricks are now shaft has been sunk 75 feet which class material. Stoping has begun produced with refreshing regular- is connected with an upraise of so that the mine may soon be exsome 27 feet. At the bottom of the pected to join the list of regular Between the California and the shaft four feet of right grade ore shippers. Athabasca lies another great pro- was encountered, which carries perty-the Exchequer-on which through the upraise. Values run groups, on Eagle Creek, are being

The Granite and Royal Canadian some highly satisfactory work has as high as \$302, but a fair average operated by the Duncan Mines,







DUNCAN MINES, NELSON,



No. 3 TUNNEL, ROYAL CANADIAN (D. NEAN MINES).



EMERIT.
SMELTER.
be \$60 per ton.
too tons of ore on
of which is first
toping has begun
the property of the second of the second

Royal Canadian Creek, are being Duncan Mines,

list of regular



Ltd. These properties were bonded by the company two years ago, and having expended some \$50,000 in development work, the bond was tallen up. They are free milling propositions. On the Granite are two shafts, both in good ore, while the Royal Canadianis being worked by tunnels. A 20-stamp mill is to be erected on the ground, and with eareful management and every facility for economical working the Dimean Mines will soon be paying dividends.

On the same creek is situated the Poorman, also free milling. A tostamp mill has been in operation here for some time, and is being worked with good profit.

The Fern mine, at Hall Siding, a few miles from Nelson, is another well-known mine, and a dividend-payer. A 10-stamp mill and clorination plant treat the output. The company has been reorganized of late with increased working capital the intention being to more extensively work the mine.

At the Lone Pine, also located at the Siding, a rich strike recently made gave \$90 in gold, and of this material there is a big body.

An adjoining property, the Empress of India, is showing up well. For about 100 feet the ledge has been stripped and definitely traced. Work is proceeding.





DANDY MINE, NELSON,

CITY COUNCIL, NELSON.

- 2. H. G. NEELANDS, Mayor,
- 3. W. K. STRACHAN, City Clerk.
- t. J. A. Kirkpatrick, Alderman.
- 4. F. FLETCHER,
- 5. C. HILLYER,
- 6. A. L. McKillop, ...
- 7. Assistant City Clerk.
- 8. C. W. Du.t., Asst. City Eng.
- 9. W. R. JARVIS, Chief of Police,
- 10. W. J. THOMPSON, Chief Fire Department,

ing results.

The Flying Dutchman, on Hall before in the history of the district at by others not in the secret, at-Creek, has had considerable work has there been so much practical tempted to import the contagion, done on it, and with very encourag- interest taken in its mining develop- but it did not take. The nuggets ment. And Nelson is the one see- said to have been so pleutiful on a The Mascot, Red Rock, Julius tion of the Kootenays that has never local creek, were too big-too nu-Casar, Rebecca, and several other had a "boom," Something over a merons; in fact investigation proved very promising properties on Toad year ago, when booming was quite that they were not there at ali. It Mountain are being developed. In the fashion, a few over-enthusiastic did not take long to investigate and the Nelson district generally min- individuals, for reasons best known burst the bubble before it had time ing operations are active. Never to themselves and s roughly hinted to do harm,



COUNCIL, NELSON BOARD OF TRADE. 2. J. R. Robertson, President; 7. H. J. Evans, Vice President; 4. F. W. Swanella Sec.; 4. T. G. PAOCTOR, 5. F. FLETCHER, 6. W. A. MACDONALD, 8. G. V. HOLT,

9. A. E. Hodgins, to. C. Hillyer, tl. M. DesBrisay.







FIRST C. P. R. TRAIN FROM NELSON FOR SLOCKS.

" NELSON.

s, Mayor. n, City Clerk. ick, Alderman.

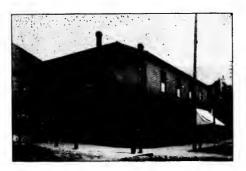
lerk. at. City Eng. Milef of Police.

ox, Chief Fire





IMPERIAL BANK OF CANADA, NELSON,



BANK OF B.C., NELSON.



BANK OF MONTREAL NEISON.



MINER OFFICE, NELSON,



BANK OF HALLEAN, NELSON.

SLOCAN CITY.

Practically the only two

veins being (1) dry ore quartz, for some 3,000 feet. carrying values in gold and silver, associated with zinc blende.

above the new town of Oro, at the ingly conspicuous. junction of the second North Fork

Slocan City, at the foot of Slocan to connect it with Kootenay Lake which some 25 feet of concentrating Lake, is a beautiful town, and one and Nelson. The property isowned ore is encountered. Farther up the which had a very lively boom a and operated by the British Cana- hill a level is being run from the couple of years ago. For the past dian Gold Fields, Ltd. Consider- surface, for which a new car and twelve months no great mining ac- able development has been done, track have been furnished. tivity has been apparent in the im- proving the ore body to be a free- on a concentrator will be installed mediate district, although 596 re- milling quartz. A sleigh-road con- to treat the dumps and ledge matter cords of assessment were made in nects the mine with the town site of before shipment. The property is 1898, which goes to show that those Oro, where a saw-mill, assay office being actively developed, and will who hold claims at least have faith and 10-stamp mill are in operation, no doubt fulfill the expectations of

On Ten-mile Creek is the Enter- its fortunate owners. properties continuously worked by prise group, consisting of two claims strong management have been the and a fraction. This property has Calumut and Hecla. Enterprise on Ten-mile Creek and recently changed hands at a respect- were forced out by water in the the Golden Wedge on Lemon Creek. able figure. Up to June last 460 spring they had driven a 280-foot The mineralized portion of the tons of ore was shipped. A great cross-cut tunnel. Slocan City division lies chiefly in body of good material is in sight, granite the two main varieties of a continuous chute being traceable again receiving attention, and the

The Evening Star, on Dayton associated with iron pyrites and Creek, has had a lot of exploratory a name for itself as a gold producer, silver sulphides, and occasionally work to its credit. New machinery and now that work has been refree gold and silver; (2) wet ores, has been installed, the intention sumed in earnest great things may carrying only silver and lead values evidently being to continue opera- be expected from it. tions. A good quartz vein with The Golden Wedge is 2,000 feet silver sulphides and pyrites is pleas- the Black Prince for shipping ore.

miles of wagon road and twelve tion has been blocked out and drift- ver property to the front.

miles of sleigh road have been built ing commenced on the vein, in

Work has been resumed on the Before they

The Skylark and Ranger are outlook is reported good.

The Chapleau has already made

Preparations are being made at

The Two Friends people have On the Arlington the main shaft settled down to work again, and with Lemon Creek, and some five is down to the 130-foot level, a sta- will once more bring this great sil-



FAMILY GROUP, KOOTENAY INDIANS.



THE TOWN OF TRAIL.

TRAIL.

situated on the Columbia River at treated at Trail cheaply and ex- worked to any great extent. standardized. railway have been taken over by day. the Canadian Pacific Railway Co., the works considerably enlarged and improved, and a substantial reduction made in freight and smelter charges—indeed the charges on certain classes of ore are lower at Trail than in either Colorado or Montana, where competition is particularly keen. Since the opening of the Crow's Nest Pass railway, coke is now procured from that quarter at a much lower cost than when the supply came from the Coast, and it is a much superior article. With increased facili-

The smelter and of the smelter is about 500 tons per chants do a good business,

There are numerous rich pros- ation is agitated, but as yet the good

ties for handling ore, the output of peets in the immediate vicinity of The town of Trail is beautifully the Rossland camp can now be Trail, but none of them are being

the mouth of Trail Creek, and is peditiously. Loaded cars from the The smelter is the mainstay of one of the oldest settlements in the mines (with the exception of Le the town. It gives constant em-It owes its present Roi, whose output is dealt with at ployment to close on 300 men, all prominence chiefly to the big smel- Northport) are constantly being of whom live in Trail. There is also ter located there in 1896 by F. Aug run to the smelter, to which ad- a great number of men engaged on Heinze, and its connection with ditions are being made so as to the railways and in the steamship the mines of Rossland by a narrow keep up with the ever-increasing service, so that the pay-roll is very guage line of railway, recently demands. At present the capacity considerable, and the local merand again the question of incorpor-

> people of Trail have not agreed that their affairs would be more economically or satisfactorily managed by a mayor and board of aldermen than they are at present. However, the town is gaining in population and importance, and must soon become a city. Its newspaper does a good service.



THAIL CREEK NEWS.



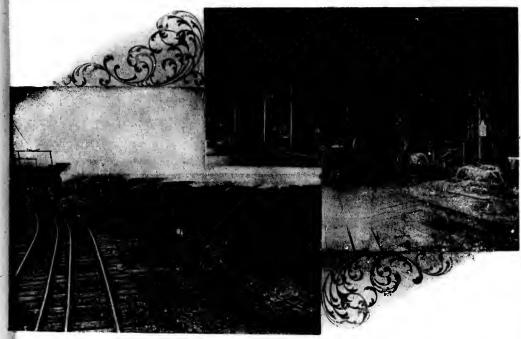
te vicinity of em are being extent.

constant em-300 men, all . There is also en engaged on the steamship ay-roll is very ie local mersiness. Now n of incorporis yet the good of Trail have eed that their vould be more ically or satisy managed by r and board of n than they resent. Howie town is gainpopulation and ince, and must become a city. vspaper does a

rvice.



THE SMELTER, TRAIL,



ROAST HEAP, TRAD, SMELTER,

FURNACE HUDDING, TRAIL SMELTER.

SANDON.

Sandon is the chief mining centre in the Slocan district. town site is by no means an ideal one-at least as a residential quarter, but for business purposes it is as compact as could be desired. Sandon is essentially a mining town, built into a little valley between mountains of mineral towering skywards over 3,000 feet. The richest silver-lead mines in the province are here in operation, and when all are in full blast the town presents a very animated scene. A good waterworks and electric light system are among the evidences of progress which one would scarcely expect to find in a little mountain city 3,500 feet above sea level, so recently added to the family municipal. The interests of Sandon beneath. town, peculiarly its own, is the question enjoys a monopoly. shall we call it recreation ground? The Noble Five was about the their suspicions aroused and manthe games of the season.



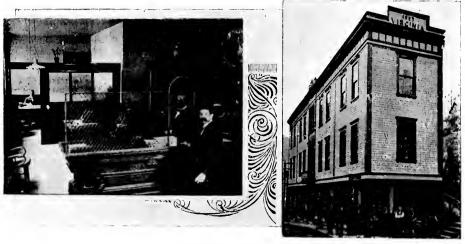
STREET VIEW, SANDON.

are well looked after by the mayor winter, and when the ice disappears their lucky find. One of those who and board of aldermen—the pleas- the once frozen surface becomes a heard the story started off, taking ing group to be found among our football ground,—in fact as a struc- a circuitous route, to the scene, illustrations. A novelty about the ture of general utility the shed in intending to "jump" the claim;

Well, it serves the same purpose, first of the big mines located at aged to get on the ground before It is a large wooden shed on the Sandon. This was in 1890, and the would-be jumper. Pistols were main street and is utilized for all although it was not baptized in drawn on that occasion, but fortun-In the blood, it was very nearly so. Jack ately were not fired. summer evenings lawn tennis is Seaton and the Hennessy brothers played on the roof, while cricket were the locaters of the claim, and R. E. Lee, Last Chance, Slocan engages the attention of its votaries returning to the Hot Springs, then Boy, Slocan Star, Washington and

It is a skating rink in their head quarters, they told of but Seaton and his partners had

The following year the Payne,



INTERIOR AND EXTERIOR RECO OFFICE, SANDON



they told of e of those who ed off, taking to the seene, " the claim; partners had ised and manground before . Pistols were on, but fortun-

ar the Payne. iance, Slocan ashington and





RECO MINES, SANDON,

some other claims that have since points.

The Payne is, perhaps, the great-brings the total paid up to \$1,025turned out wonderful mines, were est of the great mines of Sandon. ooo. For the first six months this In 1894 silver reached For years it had been run by a year the mine shipped 4,930 tons its top notch, and this gave a great close corporation, and the public of ore. impetus to the silver mines of the generally knew little of it beyond 14,000. Sandon began to boom, the fact that the dividends paid The Last Chance has contributed The same year fire and water played were greater than those of any other 1,505 tons to the ore shipments of havoe with Kaslo and other lake mine in the province, amounting Sandon for the first six months of In 1895 the building of the to close on \$1,000,000. Since, this year. For the year 1898 the Kaslo & Slocan Railway was started however, the property has fallen shipments totalled 1,700. and in September of that year the into the hands of the Payne Con-mine is fully equipped for business, first train puffed into Sandon. The solidated, principally composed of and has already paid dividends C. P. R. now runs into the city, Montreal capitalists, more is known amounting to \$37,500. connecting it with Slocan Lake of it. The dividend of a cent a The Slocan Star has attained a

Last year the total was

share, declared in March last, depth of about 1,000 feet, and is



NO. 3 TUNNEL SHED AND ONE HOUSE, RECO MINE.



PROPOSED

(TENSION STATION)

TRAMWAY

(LOWER TERMINAL)

FOR THE

(UPPER TERMINAL)

RECO.



still in good ore. Besides, there are nearly 3,000 feet of tunneling and 1500 feet of upraises and winzes. For the first half of the current year 460 tons of ore has been sent out; shipments for 1898, 2,862 tons; dividends paid, \$400-000.

to

d

b

01

to

Τ

 \sin

The Treasure Vault is doing good work. It has joined the list of regular shippers, and has sent out 111 tons of ore for the half year ending June 30. last.

The Ruth last year shipped 3250 tons of ore. Upwards of 3,000 feet of tunneling has been done at the mine and 2,000 feet of upraises and winzes. A mill and tramway are being added to the equipments. The Ruth has paid dividends to date amounting to \$450,000, and will no doubt continue a substantial dividend payer, as every effort is being made to still further increase the output and errning capacity of the mine.

The Reco is another of the properties which has made the camp famous. In May, 1892, the claim was located by Mr. J. M. Harris, who in 1896 also staked the townsite of Sandon. From the very outset the mine has proved all that was expected of it. In January, 1898, the last dividend was paid, which brought the total up to \$287-Since then they have not been mining with a view to dividend making, but rather with the object of systematic development, which always pays best in the long run. Seven tunnels have been run with numerous cross-cuts and upraises, sufficient ore being taken out to pay working expenses. traniway and concentrator will be put in as soon as the proper stage of development has been reached. During the first six months of this year 200 tons of ore has been sent out.

good ore. Behere are nearly eet of tunneld 1500 feet of s and winzes. e first half of rrent year 460 ore has been ut ; shipments 8, 2,862 tons; ids paid, \$400-

reasure Vault ig good work. joined the list ular shippers, as sent out 111 ore for the half nding June 30.

ar shipped 3250 rds of 3,000 feet en done at the of upraises and nd tramway are quipments. The vidends to date ooo, and will no ubstantial diviy effort is being er increase the capacity of the

her of the promade the camp 1892, the claim . J. M. Harris, aked the townm the very outproved all that

In January, dend was paid, total up to \$287they have not a view to divirather with the e development, best in the long ls have been run ss-cuts and upre being taken expenses. A entrator will be he proper stage is been reached. c months of this e has been sent

The Ivanhoe has had considerable difficulty in handling the output owing to lack of facilities for shipping. However, this will be overcome as soon as the mill is ready for work. A large body of milling ore is blocked out. Eighty tous have been shipped for the six months ending June last.

Another recent addition to the shipping list is the Ajax. Its contribution for the first six months of the year was 40 tons, but a good beginning has been made, and the prospects are that a big total will have been piled up by the close of 1899.

On the Sovereign something over 1,000 feet of tunneling has been done, enabling the management to ship considerable ore.

The Trade Dollar, which has been a shipper or a small scale, is now in a position to increase its output. A recent shipment of 18 tons gave very satisfactory returns. There is a big body of ore now in has been done, proving it to be a sight.

The Madison group produces a returns.

A lot of development work has Slocan Mines Development Co. been done on the Goodenough,



RECO MOUNTAIN, SANDON.

marketing its product.

ing the town, a great deal of work the district. very promising property.

high grade dry ore, of which a big the record on the Canadian group, the mine owners in and around the body is available. Some shipments on the divide between Carpenter camp to prepare for an increased have been made, giving satisfactory and Four-mile creeks. This pro- output. With this object in view

which it is expected will soon be ing properties in and around Sav. ore.

don, but those here mentioned will On the Donnelly group, adjoin- prove a fair index to the wealth of

The present price of silver, and the prospects of the white metal Some 1,200 feet of tunneling is going up in price, has encouraged perty is worked by the Outario & the most approved machinery is being freely introduced to facilitate There are several other promis- the handling and treatment of the







ON A PROSPECTING TOUR,



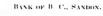
CITY COUNCIL, SANDON.
2. H. H. Pitts, Mayor; 1. Ald. J. Buckley, 3. Ald. C. D. Hunter, 5. Ald. R. Mac-Donald, 6, Ald. E. Thompson, 7, Ald. A. Crawford, 4, Chief of Police.



















BUREAU STAR PRAMWAY, SANDON



R. Mac-





AR TRAMWAY, SANDON



CITY OF KASLO,

KASLO

in the Provincial Legislature.

eral traders a lively business.

recovered itself.

boys have some 2,000 feet of hose gives values in gold, copper and The City of Kaslo enjoys an envi- at their disposal, two hose-reels and silver netting \$14. Holders of proable position on the west side of a hook-and-ladder truck. There perties surrounding the Leviathan Kootenay Lake. It is one of the are 23 hydrants judiciously placed, are auxiously watching progress, bases of supplies for the mines of with a nominal water pressure of and may be expected to start work the district. In August, 1893, the 78 lbs., but capable of being run up any day. town was incorporated, the first to 120. The city own and control mayor being Mr. Robert T. Green, the waterworks. Among the indus- of work has been done-sufficient now the representative of the riding tries of the town are saw and plain- to prove that a great body of ore At ing mills and ore sampling works, lies beneath the surface. that time the city was in a flourish. A wharf is being built by the C.P.R ing condition, the mining activity which will prove a great conven- River, some thirty miles north of securing for its merchants and gen- ience to the public, as it will facili- Kaslo, is the Lode Stone group of In tate the handling of freight and the five claims. Work has been some-February the following year fire and despatch of a growing trade. flood almost swept the place out, already intimated, there is a big road, the building of which has been and since then Kaslo has not quite mining district tributary to Kaslo, long agitated. Such a road would The building of so that trade must grow in propor- be the means of opening up a numthe narrow guage railway to con- tion to the mineral development.

nect with Sandon, then attracting The Leviathan group of eleven great attention, seems to have given claims, immediately opposite Kaslo. the people renewed spirit, and they covers the ground from the top of is very promising. A tunnel of 330 proceeded to re-build. To-day sub- the hill to Campbell Creek. A good feet has been run, following two stantial business blocks and beauti- lead, 50 feet wide in places, has been feet of ore which gives 220 onnces ful residences adorn the city, while traced almost the full length of the of silver to the ton with good values a good water and electric light sys- property. Two tunnels have been in gold and copper. tem add to the safety and comfort of run, 160 and 200 feet respectively, the community. The volunteer fire which bring the ore body to a is showing up well. brigade is well equipped and takes a depth of 150 feet. At this depth of clean ore and four feet of concengreat interest in the work. The the vein is some five feet wide, and trating material have so far re

On the Montezuma a good deal

On the west fork of the Duncan As what retarded for want of a wagon ber of other good properties in the district.

The Wagner group of eight claims

The Elephant group of four claims

warded the efforts put forth to prove the property.

some fine surface showings, and tionally good. with but little work have struck ore yielding 400 onnees of silver to the good properties in course of de- values.

On the Trail group 50 feet of tunledge of concentrating ore struck.

Seven claims comprise the Bannockburn group. A 4-foot ledge of concentrating ore has been stripped recently boulded to Col. Veits, is larly. Close on 1,000 feet of work for 600 feet. This property recently proving up well. changed hands for \$22,000 cash, and is now being worked to ship group is very favorably reported on, recently made from the Black Fox, ore.

At the West Fall group they a 60-i-> have a quantity of ore ready for concentr shipping.

some rich free milling ore.

At the Bad Shot there are several shaft, cars of ore ready to be shipped, will give 400 ounces of silver to the, over 40 feet.

On the Warrior group a big body

eight claims, and so far as work has cent copper and \$8 in gold. On the Viking group, they have proceeded the prospects, are excep-

velopment.

neling has been done, and a 20-foot the head of Kootenay Lake towards. They have made a couple of ship-Windermere, and promises to be a ments with satisfactory returns. big producer.

The McLoughlin and Clinton On the Hanson and Weir group and there is more to follow.

··· ·el has been run in ore of high value.

The Lade group is showing up group they have struck two feet of good concentrating ore. clean ore at the bottom of a 40-foot

> At the Hendryx the tunnel is in centrating ore is encountered.

On the Hess and Miller group a of shipping ore has been nucovered, big body of ore has been struck being taker out in large quantities.

The Johnson group consists of running 116 ounces in silver, 12 per

On the Bigham and Metalic group they have an 18-foot ledge running At Crawford Bay there are some high in gold, silver and copper

On the Liberty Hill group over The Hamill group runs east from 500 feet of tanneling has been done.

The Bismarck has already shipped The Lavinia group, which was and is preparing to send on reguhas been done on the property.

A shipment of seventy tons was

The B. N. A. group has had considerable work done on it stimuel-On the Rimardson and Pollock ing, cross-cutting, etc. It yields a

> The Silver Bell has also shipped, and is preparing for more.

The Gibson and Palmer group is A big boly of con- a well developed property that will soon be shipping ore.

On the Cronin group good ore is



CITY COUNCIL, KASLO.

2. G. Hartin, Mayor; J. E. E. Midman, City Clerk; 4. E. D. Twiss, 5. J. D. Moore, 6. G. T. Kanl, 7. W. V. PAPW RTH, S. S. FAWCETT, 3. M. ADAMS, Chief of Police,

e group running copper

, 12 per

up over in done, of shiparus, shipped

or reguof work rty. tons was

ick Fox,

had contunnelyields a

shipped,

group is that will

ood ore is uautities.



KASLO BOARD OF TRADE.

2. G. O. Buchanan, President; O. A. Sutherland, Secretary; 1. G. B. Øerrard, 4. D. J. Young, 5. A. W. Goodenough, 6. E. T. Stephenson, 7. H. Girgerich, 8. W. E. Hodder, 9. A. S. Garland, 41. J. W. Cockle,









PANK OF B. N. A., KASLO,

T. KANL



TOWN OF YMIR.

YMIR

ing camps in the Kootenays. It it burst things got very dull. Howgreat mine, the Ymir.

better took place. For a time a a big town, and that at no distant Ymir is one of the most promis- regular "boom" was on, and when date.

111

in

The Ymir mine, owned and operwas originally known as Quartz ever, business is picking up again, ated by the London & British Col-Creek-a name which was subse- and the camp is steadily growing umbia Gold Fields, Ltd., is practique illy changed to that of $\frac{1}{4}$ ts first with the development of the mines, cally the property to which the Quartz Townsite difficulties prevented the town owes its existence, although Creek had long been known to old more rapid building up of the place, it is by no means the only great prospectors, but the inaccessajbility but nevertheless there are some mine there. It was, however, the of the district seriously retarded its very creditable structures there to- first to demonstrate the richness of With the advent on the day, and a good foundation has the mineral deposits of the district, railway a decided change for the been laid for what will doubtless be At the mine there is a 40-stamp



MINER OFFICE, YMIR.



MERCHANTS BANK OF HALJEAN, YMER,



mill—the largest in the country— plished, revealing two very distinct done much to establish the good 3,000 tons of ore was crushed, and tramway connects the mill with the concentrating proposition, develsome 40 tons of crude material and mine. On the outer ore clinte the oped by numerous drifts and a shaft 250 tons of concentrates shipped to shaft is down 500 feet. It is in- which is down over 250 feet. A the smelter at Nelson. During the tended to sink it 150 feet more, and 50-ton, concentrator was erected preceding month 40 stamps drop- then run a cross-cut tunnel, the last winter. Everything was in ping for 17 days crush d 1 450 tons, mouth of which will be only 500 splendlid working order when unyielding 600 ounces - estimated feet from the mill. A gravity tram- fortunately a fire broke out, desvalue, \$8,300; gross estimated way will then connect the mill with troying the buildings and part of value of concentrates, \$3,000. Some the mine. The mill is turning out the machinery. But all has been 6.000 or 7,000 tons of ore are on gold bricks and concentrates with put, into shape again, and the shipthe dump, and an immense quan- agreeable regularity, and will con- piling of concentrates has been retity is blocked out. Extensive time to do so. development work has been accom-

listant

d oper-

ili Col-

practi-

ch the

hough

great

er, the

ness of

istrict.

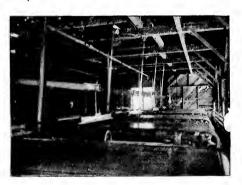
-stamp

STAMP MILL AND CONCENTRATOR, YMIR MINE, YMIR. Last month about chutes of high grade ore. An aeriel reputation of the camp.

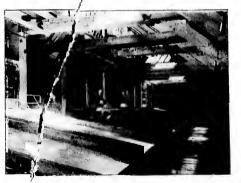
The Dundee is a mine which has

simed.

The Porto Rico has a 10-stamp



INTERIOR CONCENTRATOR.



INTERIOR STAMP MILL



DUNDER MINE, VMIR

mill in operation, which is kept busy. Everything is looking well in hands by a strong company, of rich ore, four feet in width, has at the mine. It is the intention to whose intention it is to push work, been stripped for a considerable drive a fourth tunnel, so as to give A shipment of 20 tons, recently distance. It is claimed that there sufficient stoping ground to keep treated at the Northport smelter, is 2,000 tons of ore in sight. the mill going.

At the Wilcox they are strifting on the ledge in two places and in 115 feet, and in good ore. They nel in some 35 feet, in good ore, sinking a shaft. All work is now are drifting on a rich vein. being done with the view to more thoroughly developing the property and as soon as this is accomplished a mill will be erected.

Co. Ltd., are operating the Rainv assays give 78 per cent lead, \$5 in shaft. "Good ore, and lots of it," Day mineral claims on Wild Horse gold, 38 ozs. silver, and two per is the latest news from the camp-Creek, about eight miles from Ymir. The property is traversed its field length by two parallel quartz vein's the shaft on one of which is to b continued to a depth of at least 150 feet, to prove size and dip. Both veins will be developed by adit tunnels from the east side of the mountain, which is very steep, rising to an elevation of nearly 2,000 feet above Wild Horse Creek. ore averages \$16 to the ton, and it is calculated that \$8 rock would pay well.

There is great activity on Porcupine Creek. On the Big Patch the shaft is down some 15 feet, and at the bottom ore has been found to assay \$32.50. Outward and visible signs are most encouraging.

gave returns of \$43.50 per ton.

The Free Silver group, consist-

A number of open cent copper. ents have been made on the Ruby, another of the group, which are encouraging.

On the Gold Queen sufficient work has been done to prove the property a good one. Development proceeds.

The Big Horn group of nine claims is being worked by the Simcoe Mining & Development Co., and with good results. A 20-foot shaft reveals a good body of ore, which assays as high as \$52 to the ton, but a number of pan tests have been made which go to show that the ore is pretty free milling and can be worked to advantage with a stamp mill and concentrator.

On the Nevada some good strikes The Black Cock has been taken have recently been made. A body

ha

th

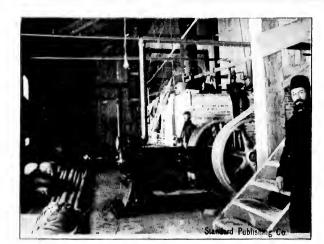
Cr

The Laurel, adjoining the Ne-At the Rio Grande the tunnel is braska on Bear Creek, has a tunwhich assays \$18.

The Iroquis group consists of ing of five claims, is a property five claims, and is located on Hidfrom which much is expected. A den Creek, about five miles from fifty foot tunnel has been driven Vmir. A good deal of work has The Gold Reef Mining & Milling cross-cutting the lead. Recent been done, including an 80-foot



Jia Roosi, Devocia



ENGINE ROOM, DUNDEE.

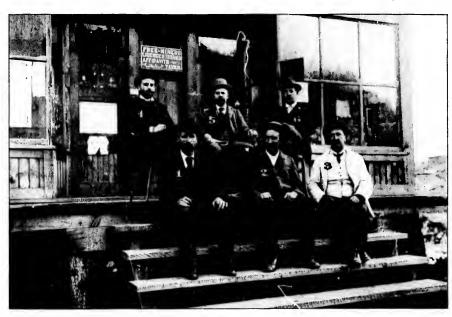
Adjoining the Big Horn is the from Ymir-the New Brunswick. Empress group. So far as work Deadwood and Florence. has gone it is very encouraging. have a continuous quartz ledge of

dated Gold Mining Co. Ltd., own assays from \$5 at the surface to \$51 three full claims on Wild Horse in the 300-foot tunnel. It is thought Creek, about one mil; and a half that the Tennesse vein passes into ties being developed in Ymir.

the New Brunswick.

The Tamarac is owned and operated by the Kenneth Mining & Development Co. Some ten months ago the present owners took the property in hand, and since then it has been worked almsot continu-At an early stage of the ously. operations there was a shipment of seven tons of ore made. This was treated at the Hall Mines smelter, and gave returns of \$11 per ton. Since then considerable work has been done, with the result that a large body of ore has been located and of a higher grade. A shaft has been sunk 232 feet, from which one drift is run in a northerly direction 172 feet, and another southward, which will come out on to the sur-The output is largely free milling. At present the necessary machinery is in operation to fully develop the property, but it is the The New Brunswick Consoli- from 12 to 20 feet wide, yielding intention of the management to put in a mill and tramway.

There are dozens of other proper-



BOARD OF TRADE, YMIR

5. S. DE BRISAY, President; 4. K. E. MACKENZIE, Vice President; 6. A. B. BUCKWORTH, J.P., Secretary; t. W. Delany, J.P.; 2. C. F. Mythers, 3. J. W. Laird.

pen uby, cient

the elopnine

Sim-Co., -foot ore, o the have that and

rikes body , has rable there

vith a

e Neı tımıd ore.

sts of Hidfrom c has o-foot of it," 1111).



NEW DENVER.

or take up abode. There is good town is surrounded by good mines. Brother Lowery has had "every



As will be seen. New Denver is tain climbing, etc., while there is press than any other man, and has a very pretty little spot-an ideal regular steamship and railway com- had a career "as chequered as a log place in which to spend a vacation munication with outer points. The cabin quilt," as he himself puts it.

been longer in con- incidence.

boating, fishing, shooting, mount tinnous service on the Kootenay The Ledge is the phase of the newspaper habit - from

the

Lto

age

pro

the

elo

ma

had

local newspaper, being shot at to having money," So and a capital one he informs us. We believe it is Mr. it is. Mr. R. T. Lowery's intention to emigrate to Lowery is the pro- some large city and start a paper prietor, editor and that will alarm the natives. We financier, and his reproduce the latest picture of the dry humour is one great and only financier of the New of the great fea- Denver Ledge, and that it should tures of the publi- appear on the same page as that of eation. He has the Bank of Montreal is a happy co-



R. T. LOWERY.



BANK OF MONTREAL, NEW DENVER,



OFFICE, NORTH-WEST MINING SYNDICATE.

NEW DENVER

otenay

id has

is a log

outs it.

'every

y.'' So

is Mr.

rate to

paper

of the

ie New

should

that of py co-

We

the North-west Mining Syndicate, latter proving a valuable feature. a month's option was taken on the of ore. property, which sufficed to satisfy made, 20 tons, and before the month ments have been made. had closed tee total was brought up

the average monthly shipment. The Hughes, Convention and several New Denver's greatest mine is ore runs 105 onnees silver, 50 per other properties in the immediate the Bosun, owned and operated by cent lead and 12 per cent zinc, the vicinity of New Denver. Ltd., with W. H. Sandiford as man- The mine has been scientifically de- the name would suggest. On the 10th of June, 1898, veloped, and shows up great bodies work has shown up well, and a lit-

The Marion had some 300 feet of up the property satisfactorily. the manager that the deal might be tunneling done when the mine closed closed. On the 6th September fol-down for winter. Since resuming season on the Sarah Jane, which lowing the first shipment of ore was the seasons work a couple of ship- goes to show that the property is a

Considerable work has been done to 120 tons, which has since been on the Royal Five, Hauney, Mollie ores of the camp are good.

THE LEDGE OFFICE.

The Neglected is no longer what Recent tle further effrot will doubtless prove

Some work has been done this pro nising one.

The facilities for handling the



THE BOSUN, NEW DENVER.



THE BOSEN LANDING.







SILVERTON.

good business centre. sheltered, and beautifully wooded, dozen of which are regular shippers, to ship on a large scale,

Little was known of the Noonday until the present management took hold of the property at the beginning of the year. There was a great deal of dead work to be done before getting fairly started, but it was got through, and operations begun in carnest. A large body of ore has been opened up for a length of over 120 feet, and is now being stoped. This ore chute is prospected 300 feet farther, and although not developed, can be traced clear to the surface, and varies from three to seven feet in width. The ore is a steel galena, carrying a large percentage of grey copper, specimens containing ruby, antimonial, and native silver not being uncommon. A large force of men is employed on the Noonday, and some six or seven

SILVERTON, WITH C P.R. STEAMER, SLOCAN, AT WHARF.

tons of ore is being sorted and sacked Silverton is some four miles from daily. At present a small jig is at galana and carbonat.s. Upwards New Denver, and is a stirring little work giving satisfaction, and a large of 2,000 feet of tunneling was done town, with everything to commend dump of second class material is fast last year, and as a result the mine it as an ideal residential quarter or a accumulating, for the treatment of was put on a sound shipping basis, It is well which a plant will soon be installed. having sent out 580 tons of ore for and that the residents take a just siderable development work done last. pride in their snug little town is last year, during which time some manifested by the willingness with 300 tons of ore was shipped. For fully handled property, which they turn out to do street and the first half of the current year 1,000 feet of tunneling was done

The Wakefield shows up rich in On the Vancouver there was con- the six months ending 30th June

The Comstock is another care-About other public improvements. There 320 tons were sent from the mine, during 1898, and some 700 feet of are many good mining properties in which is now looking better than upraises. A concentrator is operand around Silverton, some half- ever. The property is in a position ated in connection with the mine, and up to June last 20 tons of or?



THE NOONDAY MINE, SILVERTON.

and shij stai dev whi shij curi sme

dov

troi

hav

pec

am



THE EMILY EDITH MINE, SILVERTON.

and 100 tons of concentrates were shipped as the output for the year to date.

h in

ards

done

mine

asis.

re for

June

care-

Chout

done

est of

oper-

mine,

ofore

The Emily Edith is one of the old stand-bys of the camp. It is a well developed property, and one from which considerable ore has been shipped. For the first half of the current year 60 tons were sent to the smelter, but the mine had been shut down for some time owing to water troubles, otherwise the total would have been much higher. It is expected that the mine will soon become a regular and heavy shipper.

The Fidelity must also be classed among the shipping mines of Silverton, adding a few tons to the total shipments of the camp, which for the six months ending June last totalled 1123 tons.

There are a number of very promising properties in course of development, including the Sultana, Congo, Edinborough, and Bartlet.

It is reported that a deal has just been consummated by which the mining property known as the Galena Farm passes into the hands of A. W. McCune of Salt Lake and W. L. Hoge of Anaconda. A representative of the parties was in Silverton a short time ago and secured a load of ore samples, and also got bids for freighting ore and supplies.



OFFICE OF THE SILVERTORIAN.







THE ORIGINAL SETTLERS OF KOOTENAY.



WHITEWATER.

WHITEWATER.

valley of the Kaslo River, on the ments exceeded 500 tons, chiefly K. & S. line of railway. It is about clean ore, and the large reserves of 18 miles from Kaslo and 12 from ore at present in sight justify the is now in the hands of a strong Sandon, and enjoys an altitude of expectation of continued shipments. English syndicate, and is being 3.400 feet above sea level. There for a long time. A large force of thoroughly and scientifically workare some great mines surrounding men is employed at the mine. the little town, and when all are in full operation Whitewater is a busy spot.

The Jackson mines comprise the crown granted claims Northern Bell, Kootenay Star, Dublin Queen Ophir and Labor Day fraction. In 1892 the properties were located. They are situate at the head of Jackson Basin, Jackson Creek running through the property. The workings consist of five tunnels, aggregating 4000 feet, whilst below the creek level a shaft has been sunk to a depth of 300 feet, and is equipped with large steam hoisting and pumping plant. Last year a concentrating mill was built at the mine, with a capacity of 75 tons a This is operated by water power, with an alternative ste m plant to provide for exceptionally

low water. During the first quar-The town of Whitewater is in the ter of the present year the ship, next page) was located in 1891 by



THE JACKSON MINES.

The Whitewater (illustrated on J. C. Eaton, and the worth of the property was soon established. It ed. A well equipped concentrator with a capacity of 120 tons per day is kept busy, while the mine is literally honeycombed with tunnels, winzes, cross-cuts and drifts. For the first half of the current year 1,360 tons of ore was shipped from the Whitewater, which is now in a position to increase its output considerably.

The Whitewater Deep (illustrated on page 52) is one of the first mines in the Slocan undertaking to attain a vertical depth of over 1,000 feet below the apex, to prove the continuity of the yein and ore chutes. The property is being thoroughly and systematically developed, no expense being spared to make it a liberal shipper and substantial dividend payer. A flume from Lyle Creek, 5,000 feet long, supplies power to the combe ta do ve W

> wl WC

op



WHITEWATER CONCENTRATOR.

A 1,800-foot tunnel is pressor. 1.000 feet. doubt that the famous Whitewater Whitewater Deep group.

A Montreal firm controls and expected. operates the Charleston group, but one which will require a lot of tory showing. work ere it becomes a well developed property.

being driven on the lowest level to been done on the Hillside, all of and thoroughly prove the property. tap the ledge at a depth of about which goes to show that there is a There can now be no good body of ore available.

tention, and from which much is to any great extent.

On the Elkhorn some work has Whitewater upon which assess-

A lot of well directed work has intention to continue operations

The Bell has been fairly well developed, and shows up well. Picked The Alexander is another good samples assay high, but the ore vein is that which runs through the property which is receiving due at- body proper has not been worked

which is a very promising property been done, resulting in a satisfact ment work is being done, proving that the holders at least have con-

There are numbers of claims at

The Wellington is reported as fidence in their locations. This is looking well. It is said to be the a source of satisfaction.





INTERIOR VIEW OF CONCENTRATOR.

ted on 39r by of the d. It strong being worktrator er day ine is

t1111lrifts. irrent ipped s 110W utput illus-

e first aking over , to vein rty is matiheing ipper r. A) feet

com-



OFFICES, WHITEWATER DEEP, WHITEWATER.





COMPRESSOR, WHITEWATER DEEP.



WHITEWATER DEEP MINE.





AINSWORTH.

AINSWORTH.

used to be called, is the oldest proved methods of treating ore, and without concentration, but the camp but one in the West Koote- the probability of having the Pilot main ore body will not stand this nay district. The oldest camp was Bay smelter again blown in, there treatment. known as the Bluebell (now Pilot is a good time in store for Ains-Bay) and was located in Jan. 1883 worth. In the camp at present are by R. E. Sproul, but was known two concentrators, one worked by to the Hudson Bay people long steam and the other by motor prior to that date. In the summer power. of 1883 Hot Springs was also supposed to possess rare medicinal shipped or properties, but which were afterwards found to be overcharged Little Donald and Black Diamond, with lime. The springs proving a working through a joint tunnel, failure, attention was directed to and in other particulars well dethe mineral deposits, and the name veloped. Stevenson & Son, the ing well some good bodies of ore was altered to Ainsworth. The owners of the steam concentrator. majority of the claims are old loca- have taken over these properties. tions, that lave been worked with and built a flume to work the air more or less success; but it is only compressor. Ore taken from the of recent date that the old-fashioned tunnel averages 40 per cent. lead methods of mining have been dis- and gives 90 onnces silver. carded - hand-drilling, windlass work and mule packing have given depth, and the concentrates (4 to 1) place to compressed air drills, con- have assayed from \$300 to \$600 continues to ship.

centrators, steam hoists and ele- per ton. Ainsworth, or Hot Springs as it vated wire tramways. With im- galena has been shipped direct

On Woodbury Creek the Albion, located. It took its name from a Pontiac and Grant have had conseries of hot springs, which were siderable ork done, and have

Lying off the wagon road are the

Number 1 is improving with

Some argentiferous

On the New Jerusalem some excellent work has been done. About 2000 feet of tunneling has been driven, giving a depth of over 500 feet. A good wagon road has been built to the mine, a large flume constructed to supply power to the a.. compressor, and a 100-ton concentrator is being installed.

The Rand is also showing up well, and will soon be a regular shipper if indications count for any thing.

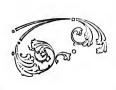
At the Twin everything is lookhaving been blocked out.

The Tamarac ought soon to join the list of shippers.

The Silver Glauce has shipped. The Highlander has recently been acquired by J. C. Beatty and associates, who intend to work it acthery.

The Tariff is in fine trim and







STAMP MILL AND OFFICE BUILDINGS ORO MININGAND MILLING CO. (SEE PAGE 31).



HALOYON HOT SPRINGS, UPPER ARROW LAKE

HALCYON HOT SPRINGS.

The Lakes of Kootenay are every vear attracting more attention as their beauties become known and facilities for reaching them are imgreat watersheds are more popular results of the analysis of which are than Upper Arrow Lake, where the now before me.' peculiar curative properties of the Haleyon Hot Springs attract to it those in search of health and hapsome twelve miles from Arrowhead takes its name. The town site is A fine hotel and cottages are owned by the Nelson & Fort Shephere provided for the accommoda- pard Railway Co., and was laid tion of visitors, while the splendid out in 1896. The first settler was steamships of the C.P.R. and their W. H. Gilliam, who is largely in- property, on which considerable willing testimony. says:

and alkaline salt which it contains, the summer months. In the shipper,

composition of the water is the presence of a very considerable amount of sulphuretted hydrogen, and also the rare substance, lithia. Of this latter substance there is fully six times as much as is shown to exist Perhaps none of these in two different American waters,

ERIE.

Erie is an ideal little spot on the The famous springs are shore of the lake from which it

Another noticeable feature in the mountains and creeks, by which Erie is surrounded, are some very rich mines.

> The Second Relief shipped some 500 tons of ore last winter to the Northport smelter. From one parcel of 135 tons, picked ore, they had returns of \$78 per ton; another parcel gave \$46.60 per ton. A good wagon road leads to the mine, which, in addition to other mining machinery now in operation, is to have an eight drill compressor. The Second Relief can easily be made a regular shipper.

The Arlington is another great palatial railway cars make travelling terested in mining properties in development work has been done. a luxury. As to the medicinal pro- the district, and who runs a very The main shaft is down 425 feet, perties of the waters of the springs comfortable hotel. If the beauties and from the 400 foot level they are all who enjoy their benefits bear of the place were but generally drifting north and south in 10 feet J. Falconer known, Erie would soon become a of rich ore. Last winter a ship-King, the famous Scotch analyst, favorite resort of the angler and ment of 300 tons netted \$36 per spotsman, and those who have ton. Work proceeds satisfactor-"This water is remarkable chiefly time to get rid of that tired feeling, ily, and it is expected that the for the very large proportion of silica which most people experience in Arlington will soon be a regular



ARROWHEAD

has been sunk in good ore, giving good values in gold. \$38 in gold and copper values.

within a couple of hundred feet of continued. the Arlington ledge, for which they are working.

adjoining the covered. The Waffer, Second Relief, was closed down already been done, and it shows tention. up well.

seam, three feet wide, has been un- aging results. covered, giving values in gold, ranging from \$15 to \$72 per ton.

the Second Relief ore body.

The Edith, in the same group,

On the Humming Bird, adjoin- has a 60-foot tunnel on a ledge of but more work is needed to fully ing the Arlington, a 30-foot shaft quartz and sulphides, carrying establish the richness of the pro-

On the Sanshine they have a On the Norway a 50-foot tunnel three-foot ledge, traceable for 1200 has been crown granted. This is has been run, and values of \$30 feet, carrying values of from \$10 a copper proposition, and one from obtained from a well defined two to \$16. There are two shafts, one which good things may be exof which is down 10 feet and the peeted. At the Canadian King they are other 20 feet. Sinking is being

body of good ore has been un-

owing to water troubles during the hands of a Colfax, Wash, company, been sunk—one 40 feet and the spring, but work has been re- who will work the property, which other about 12 feet. sumed. Over 600 feet of work has has already been proven worth at-

erations are encouraging. A rich been done, and with very encour- to the richness of the ground.

work proceeds. A depth of 45 gold and copper. On the Minnie they claim to feet has been attained, and at the gold with 7 per cent. copper.

perty.

An adjoining claim, the Barton,

On the Atlanta some 125 feet of tunneling and 35 feet of shafting On the Deer Trail a six-foot-wide has been done, and work continues.

A good round sum has been spent in testing the worth of the The Ontario has passed into the Poor Richard. Two shafts have

Although but a year's assessment work has been done on the Copper On the Bella and Rosa consider- King at Craigtown, the showing is On the Singlehurst renewed op- able drifting and cross-cutting has such that there can be no doubt as four-foot ledge of ore has been un-The Maud S. is improving as covered, giving values of \$26 in

On the North Fork claims, owned have traced the vein 3000 feet- bottom of the shaft ore has been by Benn Bros., some goodwork has supposed to be a continuation of taken out which assayed \$46 in been done. A smelter sample of ore taken from the bottom of a 25-foot The Idaho is looking very well, shaft gave returns of \$29 per ton.

which very

some

o the one . they other n. A o the other operaef can mer.

erable done. feet, ey are o feet ship-6 per actor-

great

t the egular



NARDSP, WITH C. P., R. STEAMER KOOTENAY AT WHARF.

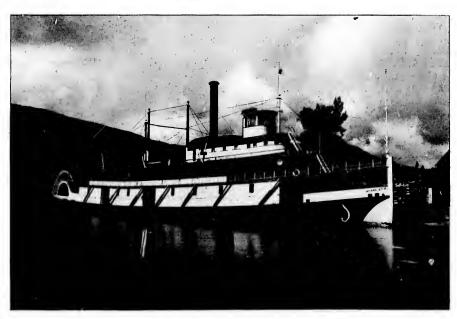


M F

th T Q cl fiv

in core fe are two or per an kr av sill

an



C. P. R. STEAMER ROSSLAND, PLYING ON ARROW LAKES.



AT THE QUEEN BESS MINE.

THREE FORKS.

At Three Forks the Queen Bess. Idalio, Monitor and Wild Goose are all shipping ore.

The Queen Bess, owned by the Queen Bess Proprietary Co., Ltd., of London, is situated on the northern slope of Howson Creek. It comprises ten claims—the Queen Bess, American Girl, Young Dominion, Concord, First Extension, Mentor, Mentor Fraction, Queen Fraction, Old Dominion Fraction and Young Dominion Fraction, the first five being crown granted. The principal workings are on the Queen Bess and Young Dominion claims. The mine is worked by five main adit levels, the aggregate was taken over by its present own- above the upper level. length of which is about 3500 feet, ers in October, 1897. From that The Idaho is another dividend andesite. The ore shipped is of tomage was 569 and 642 respecper ton and 66 per cent. lead, and 1260 tons of carbonates. The com- to increase the output. an oxidized metal, commonly pany paid an interim dividend of



THREE FORKS IN 1894.

and there are upwards of 2000 feet date to the end of June, 1898, the payer. The last payment was made of upraises, besides cross-cuts, and output was 715 tons of galena and in January of this year, 536 cents some hundreds of feet of prospect- 185 tons of carbonates. For the half per share, making the total to date ing tunnels. The country rock year ending Dec. 1898, 660 \$220,000. Four thousand tons of consists mainly of the Slocan slates, tons of galena and 433 tons of car- ore was shipped in 1898, and for the cut by numerous dykes of quartz- bonates were shipped, while for the first half of the current year 640 felsite (porphyry) and a species of quarter ending March 31st last, the tons. two classes—clean galena, carrying tively, the shipments to that date to June 30 last, us the half-year's on the average 94 onness of silver aggregating 1944 tons of galena and showing, and is in a good condition

known as "carbonates," with an 12 cents per share in April last, from the Wild Goose, a property average contents of 55 ounces of The present work is mainly directed which is recently coming into prosilver and 28 per cent, of lead, to showing up the ore in and below mineuce.

The galena is fine-grained, striated the lowest level, and to developing and more rarely cubic. The mine the considerable area of ground mising prospects at Three Forks.

The Monitor shipped 62 tons up

A small shipment has been made

There are a number of very pro-

CAMP MANSFIELD.

in which London and Paris capital ferent parts of Canada, America, that the company are well satisfied is largely interested. Mr. Mansfield England and France.

the last ten feet become free-milling. Camp Mansfield is a new lay-out. Well known mining men who have It at the head of Ten-Mile Creek inspected the Joker workings say it forthcoming mines of Salmo. Last and south fork of Kaslo Creek, in has one of the finest showings in year it was bonded by G. R. Mickle the Airsworth mining division. The British Columbia for the amount of of Toronto, for \$50,000, and a com-Joker and Derby groups comprise work done. The reef is continuous pany was formed to work the prothe camp, which promises to be- from top to bottom of the shaft, perty. A 4-drill compressor plant come one of the great producers of The value of ore taken out at the has been installed and a stamp mill the precious metals in the very near bottom runs from \$60 to \$70 per is to be erected. future. The property is managed ton, although higher values have with which the stipulated payments by Mr. Ernest Mansfield, and is one been given from assays made in dif- on the bond have been made proves

last fall took hold of the properties. field estimates the average value of

SALMO.

The Yellowstone is one of the The regularity Mr. Mans- with their bargain.

The Salmo Consolidated is situate then mere prospects, and the vigor the ore at \$40 per ton. It is now about four miles from the Vellow-



long before the rigors of the season ery to treat the output of the mine. were over, a shaft had been sunk Mr. Fleutot represents some of the in length, was run on the ledge. A and acts as the power of attorney don, and is the centre of a group remarkable thing about the property for the Excelsior Gold Mines of of rich silver, lead and galena is the fact that the ore started in of London, Eng., with a capital of mines, chief among which is the a refractory nature and has within £200,000.

with which he pushed work is an proposed to run a cross-cut tunnel stone, and has had some \$8,000 Mansfield, at that season, was sup-depth of 700 feet. Mr. J. J. Fleu- with good results. posed to be "ungetable," but Mr. tot, a well-known French electrical Mansfield demonstrated what pluck and mechanical engineer, returned in the Salmo district which are now and determination can accomplish, from the Old Country with Mr. working, and every day brings the He managed to get his men and Mansfield in March last to experglad tidings of rich strikes on some supplies in in the face of winter, and pedite matters in creeting machin- one or other of them. 73 feet, and from it a drift, 104 feet best financial houses of France,

augnry of future success. Camp 1,200 feet to tap the ledge at a expended on it in development work

There are a number of prospects

CODY.

Cody is about a mile above San-Noble Five, Blue Bird and Ruby.

of the Last Mickle a comlie pror plant աթ ամՈ ularity yments proves atisfied

situate Vellow-

\$8,000 it work

ospects re now igs the n some

e Sangroup galena is the Ruby.



REVELSTOKE.

REVELSTOKE. plated steamship service on the eminently successful, Columbia River going north into which a rising western city can in full operation. afford, including a good electric light and water system.

and is crossed by the C. P. R. at been done, particularly on the Ros- of the plant recommended.

Revelstoke, 75 miles farther west, berry, Revelstoke, owing to its geogra- This immense tract is mineralized claim is a large area of limestonephical position, is destined in the throughout, but as discovery came on the south a series of foliated near future to become an important from the west and south, the little rocks. They consist of argillites mining centre. The city was incor- that is known of its resources is and schistose, in some places disporated in March last, and has a confined to its western portion, tinctly micaceous. At the junction population of about 2,500. Since reached from the city of Revelstoke, of the lime and argillites is found a the removal of the C. P. R. work- which is its natural and only sup- calcuica schist containing some iron shops from Donald, Revelstoke has ply point. The first gold dis-pyrites. On the creek is found conbecome the most important terminal covery in West Kootenay was siderable gold bearing rock, while point between Winnipeg and Van-made in this Big Bend country in farther south gold, silver, copper There are some 300 men 1865, in the placer claims dis- and lead is met with. The ore is a employed in the railway service who covered on French Creek, which mixture of quartz, iron pyrites and make Revelstoke their home. As runs into Goldstream, and in mispickel. From 32 assays made as a trading centre the city commands many other streams tributary to development proceeded the results a wide territory which, with the the Columbia. The rush was only run all the way from \$17.50 to main line of the C. P. R. east and temporary, owing to the primitive \$230, showing that the ore apprewest, the branch to Arrowhead 28 system of placer mining in vogue ciated in value as depth was atmiles south, connecting with the in those days. Hydraulic mining tained.

On the north side of this

Lardeau country, Fish Creek, and was introduced some four years Last December Mr. W. Pellew-Trout Lake camps and the contem- ago, and has alreay proved to be Harvey, F. C. S., of Vancouver, made a series of exhaustive tests, On French Creek a Chicagosyn- and assays from a sample consistthe Big Bend district, is bound to dicate known as the French Creek ing of 350 pounds of ore from the make it the base of supplies. Re- Mining Co., have one and one-half Roseberry group, where most of velstoke is beautifully situated on miles frontage, covering the rich the development has been done. the banks of the Columbia River, placer claims there, which they The average assay was gold 1.1 surrounded on all sides by delight- purchased from the Government, ounces per ton, silver 1 ounce, ful mountain scenery. It has every and have a complete hydraulic value \$22. It was found that the advantage, social and commercial, plant installed on the ground and gold in the sample was in a fine state, and equally divided, and Carne's Creek camp, thirty miles that 57.7 per cent existed in a free from Revelstoke, is one of great state; that the ore could be treated The Big Bend mining district promise. The results obtained by very successfully by the cyanide comprises all that portion of East a party of prospectors equipped by process, and that the total cost of and West Kootenay lying north a Revelstoke syndicate some three treatment would not exceed \$3.50 of the C. P. R. main line between years ago, brought the Carne's per tou. During the last two Golden and Revelstoke, and ac- Creek Consolidated Gold Mines, years \$13,000 were spent in operquires its name from the course of Ltd., into existence. The company ating the property, and 100,000 the Columbia River, which flow- owns seven claims and a mill site on treasury shares were sold last ing north from Donald for 100 this creek, and a very considerable February, which enabled the manmiles, suddenly turns southward, amount of development work has agement to arrange for the erection



Molson's Bank, Revelstoke.





MAIL OFFICE, REVELSTORE.



M gr of Si

111 T1

do

of Reincini eas

1110

IMPULIAL BANK OF CANADA, REVELSTOKE,





CITY COUNCIL REVELSTOKE.

6. F. McCarty, Mayor; 7. Dr. McKechnie, 5. Ald. W. F. Crage, 1. Ald. W. M. Brown, 2. G. F. McCarter, City Solicitor; 3. C. E. Shaw, City Clerk; 4. Ald. F. B. Wells.

stone Mountain.

through by Mr J. M. Scott, Bar- the Great Western Co. rister. Active work is now in progress.

VELSTORE.

The Great Western Mines, Ltd.,

seven hundred claims have been Nettie L. The ledge was tapped had previously owned a minority located in the vicinity of Carne's at about 160 feet, where it passed interest. This property has been Creek, Standard Basin and Key- through seven feet of iron and cop- a continuous shipper for the past per bearing rock, three feet of tale, three years, little or no ore being The Coston & B. C. Copper two and a half feet of graphite and shipped except the results of de-Mining & Smelting Co. bonded a eighteen inches of solid grey velopment work, which at the group of seven claims the begining copper and galena. Several as- present time has proceeded to a of June, from Wilcox, Rhumen & says of ore have been made giving considerable extent, putting in Smith, old time prospectors. The as high as 351 ounces silver, 29 sight large bodies of ore under property is situated in the Standard per cent, lead, 6.9 cer cent, copper conditions of highest promise, Basin, about 40 miles up the Col- and \$5.60 in gold. The railway The workings consist of an incline umbia River from Revelstoke, from Arrow Head to Kootenay shaft 200 feet in depth, sinking The amount of the bond was \$65,- Lake will bring the line within upon the vein, and showing ore 000, \$3,000 of which was paid one and a half miles of the Nettie during its entire depth. From down as soon as the deal was put L. property, and be the making of this shaft four levels have been

McGUIGAN.

The Antoine Mine, situated of Lardeau, with head offices at some six miles from McGuigan, on Revelstoke, have three full claims, the K. & S. Railway, resumed including the Nettie I,, some seven work in April, after a cessation of miles from Arrowhead on the north-two or three months—from the east arm of Arrow Lake. Develop- date when the entire interest in utilized in providing an improved

During the past two years some of tunneling has been done on the George Alexander, of Kaslo, who run, the longest being about 700 feet, of which more than half the distance is in ore. The value of the ore from this property may be judged from the fact that a shipment of fifteen tons gave net smelter returns of over \$3700. The recent shutdown has been ment work to the extent of 100 feet the property was acquired by Mr. plant for pumping and hoisting,



REVELSTOKE BOARD OF TRADE.

12. H. A. Brown, President; 11. F. B. Willes, Vice President; 13. C. E. Shaw, Sec. Trea.; 6. W. M. Brown, 7, J. M. Scott, 8, C. Lindmark, 9, W. F. Crage, 40, W. M. Lawrence, 5, G. E. GROGAN, 4. DR. MCKECHNIE. 3. F. MCCARTY, 2. J. ABRAHAMSON, 1. G. F. MCCARTER.



made for running a long tunnel, ped from this mine, and for the joined the list of shippers. The which will give a depth of over first six months of this year there Enterprise group consists of two full 1,000 feet from one of the other were 388 tons sent to the smelter. claims and a fraction, and is being claims, now owned with this property, covering the entire dis- the shippers. A depth of over 500 tunnels in a vertical distance of 800 tance between the Antoine and the feet has been attained, and at the feet, three of these being in over Rambler-Cariboo. The new tun- bottom of the shaft they are in two 700 feet. A continuous ore chute nel, in addition to draining the feet of rich ore. Up to June 30, is followed for 3,000 feet. The mine mine, will have its mouth close to last, the mine shipped 100 tons is well ventilated, and is in good the wagon road which connects this year, while for the twelve shape for continuous work, McGuigan with the Rambler-Cari- months ending Dec. 1898 the total boo mine. The surface indications was 75 tons. It will thus be seen of the Enterprise. On it considerof the country which it will tray- how rapid has been the progress able drifting and tunnel work has erse give good promise of value made. of results before the Antoine ledge proper is cut. Shipments during concentrating ore. the year 1898 amounted to about feet of tunneling has been done on Creek. 500 tons, and as work is now be-the property, which has recently Joker people for \$30,000. ing prosecuted with a larger force, been added to the list of shippers, page 58). it is probable that this rate of out. There is a great body of ore in put will be exceeded in the present sight, with good facilities for tioned there is a great deal of assessyear, although it is intended to handling it. push development, and do little or

The Rambler-Cariboo has al- in course of development. ready paid dividends amounting to \$50,000, besides defraying the expense of development work, which scale, and also installing machinery, among which is the Enterprise, (see page 31).

The Great Western produces

no stoping for some time to come. several very promising properties are being made, establishing the

TEN-MILE CREEK.

and arrangements have also been Last year 580 tons of ore was ship- which has lately changed hands and The Dardanelles has also joined actively worked. There are seven

The Ohio group is an extension been done with good effect.

The Crescent group is another About 400 very promising property on the It is under option to the

Besides the properties here menment work being done all along the In the immediate district are creek, and every day rich strikes wonderful wealth of the district.

On Lemon Creek there is great activity. Some of the leading pro-There are a number of good pro- perties here being operated are dealt is carried on on a very liberal perties on Ten-Mile Creek, chief with under the heading Slocan City



MOVIE.

MOYIE. The pretty little town of Moyie usary to the town. The Crow's mines, and is growing steadily in stands on the shore of the lake Nest Pass Railway connects Moyie wealth and importance, from which it takes its name, and with the busy outer world, al. townsite was located some years just at present there is not a busier though the railway station adorns ago by Mr. G. Campbell, who, spot in the country. A few a place called Moyelle, some two convinced of its great future, esfamous mines, well developed, and miles distant, where a sort of op-tablished a hotel there which he a number of rich claims, now be-position townsite was for a time still holds. What the place was

ing worked, are immediately trib-boomed. However Moyie has the



MOYIE IN 1896

ds and The wo full being of 8oo n over chute e mine

ension ısiderrk has nother

good

n the to the (See

men-ISSESSig the trikes g the iet. great g proe dealt

n City



MOYIE BOARD OF TRADE.

J. M. Lindsay, W. A. Hamilton, N. Dara, J. P. Laronde, G. Campbell.

O. J. Johnson, R. Campbell, F. I. Moore, J. N. McCracken,

F. J. Smyth, Trea.; Karl Neitzel, Vice-Presdt.; J. P. Farrell, Presdt.; A. T. Clark, Sec.





MOYIE LAKE.

He is now proprietor, with Engene and the Peter. Mr. Musgrave.

Indians, then roaming the country and zeal in the good cause. in troublesome bands. He soon



then, and how rapidly it has grown the St. Eugene mission, on a since, the accompanying illustra- treasure hunt, and a few weeks tions will show. Over two years afterwards returned with the anago D. R. Young, Manager of the nonncement that he had found the Standard Publishing Co., estab- treasure that would build the lished a newspaper at Moyie-the church. Peter had some samples Leader,—a paper which has grown of the ore from what is now the with the town, and played an im- St. Eugene mine with him-bright, portant part in bringing the glistening galena. James Cronin beauties and great mineral re-shortly afterwards appeared on the sources of Moyie to public notice. scene, and was induced to inspect The Leader has all along been in the find. It was richer than he charge of F. J. Smyth, under whose even dreamed of, so he staked off editorship it has been a power for two claims, calling them the St. received a half interest for his ser- is the St. Eugene lead. The great St. Eugene mine, vices, and the priest and the Indian which has a touching little history, the other half. John A. Finch the St. Eugene lead. This prois the property to which Moyie bought out the priest and Indian perty has recently been acquired by owes its existence. Some half for \$12,000, and with part of the Canadian Gold Fields syndicate, dozen years ago a Corsican priest, proceeds of the sale they built the who are putting in a seven-drill one Father Coccola, came as a church and mission, which today compressor. When the plant is missionery to the East Kootenay stand a monument to their courage installed work will be resumed with

The Gooderham-Blackstock syn- mine considerably increased. got into the good graces of the big dicate, owners of the War Eagle red men, and unfolded to them a and other well-known mines, have Eugene, and with work will prove scheme for building a church in purchased a controlling interest in another great mine. which to worship the Great Spirit, the St. Eugene, paying for same in But, poor in the world's goods, the the neighborhood of \$500,000, clear across from Moyie, is the Auundertaking presented great diffi. The property has been well-devel- rora group, being operated by Johnculties. It was agreed that the oped, and proven to be of excep- son & Neitzel. Indians were to look out for some tional richness-shafting and tun- evidence to show that the St. Eubig mineral deposit, for the good neling all being in solid ore, which gene lead crosses under the lakeaud priest knew the country was rich gives returns as high as 70 per strikes the mountain at the other in this particular. Accordingly cent. lead and 50 ounces of silver side. Here it is traced through the one of the band, named Peter, left to the ton. Work on a big, new Aurora group. They have one to be installed.

Moyie are full-sized, crown-granted to tap the pay chute. claims, lying directly below and ordinary seam of ore, which is well adjoining the St. Eugene group, defined from the St. Eugene for 9000



LAKE SHORE AND ST. EUGENE MINES.



Cronin Running through both properties

The Lake Shore group also carrenewed vigor and the output of the

The Society Girl adjoins the St.

On the west side of the Lake, There is every concentrator is now going ahead, tunnel in 95 feet following a vein and a ten-drill air compressor is three feet wide earrying quartz and a little sprinkling of galena, but The Queen of the Hills and the another 90 feet will have to be run

> feet on the east side of the lake, has been followed for 6000 feet up the mountain on the west shore. There can be little doubt that the seam runs under the lake from one side to the other, as the ore is almost identical at both sides, and in a direct line.

There is a great deal of work going on in the vicinity of Moyie.



CRANBROOK.

Cranbrook is the principal town on the line of the Crow's Nest Pass Railway, and is the divisional point where the workshops of the company are located. The townsite is all that could be desired, being on a fertile stretch of prairie in the valley between the Rocky and Sil-The town has kirk mountains. grown wonderfully in population and importance since the advent of the railway, and has no doubt a bright future. A spur line has been started to connect with the North Star, one of the great mines near



HERALD OFFICE CHANBROOK.

CRANBROOK

Cranbrook, and when this line is in be stocked at \$1,500,000, with some running order it will make the town others adjoining. more than ever the great distributing point of the district. the question of incorporation has has been done on the property, been mooted, so that before long the which gives promise of soon becominterests of the ever growing com- ing a regular shipper. munity will be looked after by a mayor and board of aldermen. At over 100 feet, present a very efficient board of ledge about 80 feet below the surtrade do the needful in this particular, and do it well. A glance at the next page will show that all the leading business men of the town are on the board.

As already stated the North Star is about the best developed property in the district. McKenzie & Mann of railway fame, are the principal The property has been owners. worked since 1892, and has shipped over 5,000 tons and is now in a position to contribute more liberally to the output of the district. The main shaft is down 200 feet; from this they are cross-cutting and drifting in ore giving 30 onnees in silver and 60 per cent lead. There is an immense body of ore in sight. It is reported that the property is to

The Sullivan group is with the Already North Star, A lot of good work

On the Payroll the tunnel is in They struck the



A great deal of tunneling, cross-cutting and drifting has been done and a large body of ore assured which runs high in values.

The Union Jack is about 416 miles from Cranbrook. A good deal of work has been done, which has encouraged the owners to go ahead. A contract has been let for a couple of hundred feet of extra work. Encouraging assays have been obtained, running up to \$26 in gold and 65 per cent copper.

Adjoining the Union Jack is the Paymaster. The ground is only partially explored, but those who been done on the Bellevue, at Palhave been over the country exam- mer's Bar, and results are reported several strong companies operating, ining it professionally, say that an as highly satisfactory. immense copper belt runs clear from Baker to Palmer mountain. within this belt is the Paymaster.

Nearly 200 feet of tunneling has things on this creek.



HAPPY HUNTERS, NEAR CHANBROOK.

The Copper Bell on Niggar Creek showings. Well has been fairly tried and not found a rich copper belt, and as developwanting.

On the upper St. Mary's there are and all seem to be satisfied with the They are working on There are many good ment proceeds prospects are improving.



CRANBROOK BOARD OF TRADE.

1. J. H. SMYTHE, Mgr. Bank of Commerce, Vice-Presdt.; 2. Archie Leitch, J.P., Presdt.; 3. A. W. MCVITTIE, Sec.; 4. J. H. KING, M.D.; 5. W. T. REID, 6. ALEN. MOFFATT, J.P.; 7. J. McDuff, S. R. E. Brattie, 9. Gro. Bremner, 10. C. Maggs, 11. F. E. Simpson, 12. H. H. Browne, 13. H. MCMILLAN, 14. C. M. EDWARDS, 15. J. FINK, 16. J. R. COSTIGAN, 17. G. H. MINER, 18. J. Hutchison, 19. J. H. Laidlaw, 20. J. M. Heeley, 21. T. Richards, 22. E. SMALL, 23, J. Leask, 24, F. R. Morris, 25, J. G. Pattison, 26, A. W. Watson, 27. F. W. Hughes, 28. L. M. Vandecar, 29. J. Laronde, 30.

1 some

work perty, ecom-

l is in k the e sur-



FORT STEELE.

FORT STEELE

stretch of park. The town is on during the past year, has been the roundings of the town are beauti- interests of the whole district, and a very busy spot it is. ful-great stretches of grass-covered Perhaps the most important min- As far back as 1864 Fort Steele

The Fort Steele mining division the bank of the Kootenay River, opening up of the Crow's Nest is in the East Kootenay district, near the mouth of St. Mary's Pass coalfields, estimated to conand has an area of between 6,000 River, and the advent of the rail- tain 16,443,909,000 tons in twelve and 7,000 square miles. The sur- way has done much to further the seams. Fernie is the coal town

prairie, dotted with stately Douglas ing development in East Kootenay, was located by J. T. Galbraith, fir and bull pine, a beautiful if not indeed in the province, but was then known as Galbraith's Ferry. It was in 1887 that the place was called Steele, after Major Steele, of the Northwest Mounted Police, who, with Troup D., visited the district to quell an uprising of the Indians. The aborigines, however, are now a very law-abiding lot, thanks to Father Coccola of the mission. The precious metals have long been known to exist in the vicinity, and in 1863, when Wild Horse Creek was discovered, it is estimated that there were between 5,000 and 6,000 prospectors and miners camped there. Of late years considerable prospecting has been done, and with good results.

A recent discovery on Boulder Creek, near Wild Horse, is creating a great deal of attention. The

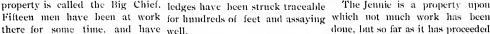


WILD HORSE CREEK, FORT STEELE

property is called the Big Chief, ledges have been struck traceable there for some time, and have well. stripped the surface in several places, tracing a free milling body of ore which gives returns from \$200 to \$300 per ton, while picked samples run away up in the thousands. It is claimed that there is a million tons of this material in sight.

The Dupont group of four claims is also a very promising property. Here

good quartz



The Burton, on McKinnon Creek, near the town of Eiko, has what appears to be a true fissure quartz property, has some good indications vein from one to six feet in width. The ore consists of copper carbonates and oxides, with rich copper splendid prospects. sulphides in place, occurring in stringers and pockets through the quart". A 200-foot tunnel has been driven in on the vein, from which Crauston. Three tunnels have been has been taken some very fine ore, It is a copper proposition, with little or no silver or gold values.

There are some half-dozen good claims on Sheep Mountain at the fork between Elk and Kootenay rivers, about a mile south of Elko. On the Ram's Horn a fairly well defined quartz vein, some 20 inches wide has been encountered. More work, however, will be needed to establish the claim.

The Jennie is a property upon done, but so far as it has proceeded the showing is good.

The Sweet May, an adjoining for the amount of work done.

On Sand Creek there are some The Bishop group of five claims is situate about half a mile up the Creek from the C. P. R. crossing and the town of driven exposing quartz leads con-



MINERS' CABINS IN THE SIXTIES, NEAR FOAT STEELE.



FORT STEELE BOARD OF TRADE.

1. G. H. Gilpin, 2. J. A. Harvey, President: 3. E. A. Elton, Sec.; 4. E. J. Cann. 5. D. Griffith, 6, R. D. MATHER, 7, Dr. HUGH WATT, 8, THOS. EDE, 9, W. H. KERLER, 10, D. L. BEETSCHEN, 11, DR. COURSON, 12. WM. CARLIA, 13. W. R. ROSS, 13. R. G. SHIER, 15. C. F. MANSFIELD,

een the s Nest to contwelve I town

Steele braith, raith's at the after thwest Troup iell au he aba very Father The

g been ty, and Creek imated oo and miners s conbeen

oulder creat-The taining copper carbonates and sulphides, with some iron sulphides and occasionally galena.

The Empire Mineral Claim, locally known as Major Steele's claim has had a lot of work done on it, but not sufficient to thoroughly prove the property.

The Blue Grouse is an extension of the Empire, and where the vein is exposed it is found to earry copper and iron pyrities in stringers.

The Mountain Mineral claim is between four and five miles west of Sand Creek, Some 30 feet of timuelling has been done, and the ore are several old miners, who con- are some 85 feet of tunneling done so far is in stringers. will be needed to prove up the pro- bed, and who implicitly believe feet of shafting and open cuts.

The Waterfall claim is a prom- these days. ising one, some five miles west of galena have been encountered.

ground appears to have been in ing claims, now being worked, the immediate vicinity of the canyon, but where the gold came Chickamanstone and Mabel, con- McMillan's placer mining claim is from that lay there is still an un-sisting of four claims, is owned by proving what a few practical solved mystery. However, there Mr. Griffith, an old timer. There miners can accomplish, when they



KOOTENAY BRIDGE, FORT STEELE.

More work tinue to take gold from the river on this property, besides some 30 that they will strike it rich one of The ore is rich in copper, and car-

About ten miles from the mouth Cranston. Work consists of tun- of the river are situated the Chick- the same belt. The main tunnel nelling, open cuts, etc., and some amanstone. Maple and Sirdar is in some 35 feet, and a great deal good pockets of copper pyrites and groups. The general character of of surface work has been done. On Bull River there are some gold values. Work on the two cent, lead, and small gold values. good properties. The river flows first-named properties consists of a in a southerly direction from the 200-foot tunnel, following a well- of Lost Creek, are some good Rockies, and empties into the defined lead for a depth of 70 fect, properties. The creek is one of Kootenay near Wardner, and since There were about 30 tons of ore on the "lost" creeks of the district, the early sixties was known as a the dump when we visited the disappearing underground at a fortune maker. It would be diffi- property. Several open cuts had point about six miles from Fort cult to say how much gold was been made showing the average Steele. The Dibble group is a taken out of the stream in the old width of the ledge to be from 9 to fairly well-developed property, days of placer mining, but there 15 inches of clean ore, giving with two tunnels of 500 and 150 can be but little doubt that an im- values running to \$46. This prop- feet respectively, and several open mense amount of the precious metal erty has been purchased by Mr. cuts. Some lots of ore have been was washed in the river bed near Theis, of Spokane, and associates, sent for smelter tests, and give the old Pack Bridge. The richest who have also secured two adjoin- good returns.

ries good gold values.

in ol ai C oi w

P C m fi

pi

o

di

b

I,

S

The Old Abe is apparently in the ore is copper, earrying good Assays give \$100 in silver, 60 per

In the Dibble Basin, at the head

There is still some placer mining The Sirdar group, adjoining the going on at Wild Horse Creek. have the courage of their convic-The men working this claim believe in the existence of an old channel—contending that a gigantic slide has occurred on the mountain side, whereby the old channel on Wild Horse has been filled up, and the river forced into its present course. They are now engaged in driving a tunnel near the present bed of the creek, to cut what they suppose to be the western rim rock of the old channel.



Here they hope to be rewarded by the discovery of rich placer grounds. The operations are being watched with keen interest.

There are three companies working by hydraulics the grand banks of Wild Horse Creek-the Nip and Tuck Gold Hydraulic Mining Co., of London, Eng.; the Invicta Gold Mining Co. and a Chinese outfit. All appear to be doing well.

The Darum. · another promising property of 1d Horse Creek. Surface show. 4s are im-This is said to be the first free milling property located in the camp. Active work ought to establish the Dardanelles a good property.

On Skookum Gulch there is a number of good claims, none of which, however, have been thoroughly tested.

On Four-mile Creek there are the Try Again, Good Prospect, Paris Exhibition and some other good properties in course of development.

good wagou road. The camp embraces a wide area, including with depth. All work done so far ated by the Tracy Creek Mining town takes its name from the cascome a large producer. The count the Montana group. There has



THE PLEASURES OF HOPE, BURNT BASIN.

try rock includes granite, por- been more or less work done on all phyry, quartzite, tale, slates, of these properties, and in every schists, lime slates, diorite, etc. instance it has given satisfaction. ledges, all carrying mineral, which Mining Co. have a group of six is chiefly copper, in its different claims, adjoining the North Star, forms. Galena is associated with which gives great promise. The it in places. The general form of ore is a galena, carrying some 50 Tracey camp is situated about 15 carbonate, pyrite, azurite, tetra- per cent. lead. A shaft, down miles from Fort Steele in a northerly hedrite and gold quartz. The about 45 feet, is in vein matter all direction, and is approached by a ledges run from two to twelve feet the way, with bunches of galena in width.

Among the notable properties of Lewis, Tracy, Grundy, Wassa and the camp are the Estella group; Six Mile. The ledges are strong the Golden Fleece group, the and continuous, and have every Lady Ann group, the John L., J. appearance of holding their own H. C. and Hartwell claims, operhas greatly improved the prospects. Co.; the Minnie M. and Tiger, by and it is only a question of a very the Lewis Creek Mining Co.; the short time when this camp will be- Swan and St Lawrence group, and

The whole district is a network of The Kimberly Consolidated the ore includes galena, copper, ounces of silver and from 50 to 60 through it.

CASCADE CITY.

Cascade City is one mile from the beautiful Christina Lake, and is the gateway of the Kettle River, Boundary Creek and Lake country. The cades, whose never-ceasing music seems to sing of future prosperity. A company has secured this great waterpower, which it is intended to utilize in the generation of power for lighting and working the mines and other industries of the district.

Tributary to Cascade city is the famous Burnt Basin, is which many good properties are being worked, including the Mother Lode, Tammany, Unexpected, Snowdrift, Hoodoo, Monntain View, Eva Bell, Solid Gold, Hastings, Keeler, and the Pleasures of Hope.

AtGladstone the John Bull is the great property which will make a reputation for the place.



g done me 30 ents. nd car-

ntly in

tunnel

at deal

done.

60 per alues. e head good one of istrict, at a u Fort is a perty, id 150 l open e been 1 give

nining Creek. laim is actical n they onvicg this ice of that a m the ie old s been d into e now l near

to cut

west-

annel.



GRAND FORKS.

GRAND FORKS of this region, its fertile valleys, running into Cascade City. Coa- of their prosperous little burg. beautiful waterways and congenial struction work is proceeding as fast. The Grand Porks Miner is the

in which to settle. Having shown will be in full enjoyment of a good of the camp,

themselves patient but persevering railway service. Grand Forks has Grand Forks, the principal town for a long time, the earlier settlers tributary to it a splendid mining and in the Boundary Creek country, is demonstrated that there was work agricultural country, capable of suprapidly growing in population and for railways to do, and at once a porting a very large population, The Boundary has somewhat bitter contest was entered. The city has its electric light and long been known to the prospector into as to whether the C. P. R. or water system and all the convenand miner, but owing to the lack the Corbin system should be given iences of an up-to-date community. of any reasonable means of trans- the privilege of first entry. The Its interests are faithfully guarded portation the mineral deposits lay C. P. R. won, and lost no time in by the mayor and board of alderunworked. However, the excep- building into the country. At pre- men and board of trade, while the tionally rich character of the ores sent the rails are laid and trains are citizens generally are justly proud

climate, all tended to mark it out as as is practicable, so that within the local newspaper, and excellent sera desirable and profitable country next few months the Boundary vice it does in presenting the news







MINER OFFICE





GRAND FORKS CITY COUNCIL,

- 1. J. K. Johnson, City Clerk,
- 2. L. A. MANLY, Mayor,
- 3. JOHN A. MANLY, Alderman,
- 4. Jeff Davis,
- 5. W. B. BOWER, City Treasurer
- 6. E. DAVEY, Water Consur,
- 7. F. H. KNIGHT, Alderman,
- 8. H. A. SHEADS, Chief of Police



ks has
ag and
of suplation,
at and
onvenunity,
larded
alderle the

proud

is the

it ser
news

The Grand Forks Board of Trade is having a fine collection of the ores of the Boundary made for display at the Paris Exposition next year. The samples got together seem to prove the mineral wealth of the country. Nearly all the leading mines are represented in the collection

Everything is looking well at the Old Ironsides. No. t shaft is down 200 feet, and No. 2 has reached a depth of 320 feet. From the first shaft a 100-foot level has been run some 110 feet. On the 200-foot level a 300-foot cross-cut has been made. Drifts are now being run along the foot-wall of the ledge in a northerly and southerly quantity is rapidly increasing. It silver and gold. is intended to accumulate the ma-



THE OLD IRONSIDES.

direction, aggregating a distance terial until the smelter at Grand in on the ledge about 600 feet. of 500 feet. The ground is being Forks is in operation, and here it Two cross-cuts have been made opened out in blocks of 200 feet will be treated. The ore is chiefly from the lin ging to the foot-wall, square. Several thousand tons of composed of hemitite and magni- which goes to show that the vein ore lie on the dumps, and the tite iron, carrying good values in at this point is some 200 feet wide, At a point 400 feet from the en-

At the Knob Hill the tunnel is trance of the tunnel an upraise has



GRAND FORKS BOARD OF TRADE.

1. Ernest Miller, Sec.; Richard Armstrong, President; 3. John A. Manly, 4. Jeff Davis, 5. E. Davey, 6. Robt. Petrie, 7. J. K. Thompson, 8. F. W. Askew, 9. F. H. Knight, 10. L. A. Manly, 11, J. A. Smith, 12, H. A. Sheads, 13, E. S. Biden, 14, S. P. Biden, 15. M. D. WHITE, 16. A. MILTHORN, 17. T. F. CURRAN.

been made for ventilation purposes. which passes what is practically a solid body of ore, a distance of 40 feet. At the mine a large body of ore is awaiting treatment, and will be sent to the smelter at Grand Forks as soon as it can be handled.

Development work goes ahead on all the properties in the camp, and judging from the activity, apparent on all sides, and the great quantity of machinery being installed, this section of the Boundary country will contribute its full quota to the mineral wealth of the province. Last year there were 561 free miners' certificates issued in the Grand Forks mining divison record.

ade

all,

ein

ide,

e-11-

has

pect stage, and will soon be on the ing throughout the whole district. shipping list.

Boundary. The building is going proves as the mountain is bored. ahead at a great rate. It will be equipped with all modern machinery looking well.



KNOB HILL, SHOWING BIG CUT

ion, and 860 locations recorded, and appliances, and will be capable cutting continues, as does the rich For the six months ending June 30 of handling all the material at pre-body of ore. last there were 658 assessments put sent offering. However, should the country continue to develop at the justify the fond hopes of its owners. The following mines in the Bound- present ratio, the time is not far disary are on a shipping basis: The tant when a second smelter will be are still obtained from the ore taken Knob Hill, Old Iron Sides, Winni- a necessity. The C. P. R. people out in development. peg, Golden Crown, Mother Lode, will doubtless supply the want as Sunset, City of Paris, Brooklyn, soon as that time arrives. Just at Stemwinder, Oro Denero, Gold Bug, present, however, the knowledge K. are progressing rapidly. B.C., R. Bell, and Morrison. About that smelting facilities will be availthirty others have passed the pros- able, gives a great impetus to min-

Work is progressing satisfactorily A smelter is now being built at on the Volcanic. The ore runshigh Grand Forks to treat the ores of the in gold and copper values, and im-

> At the Pathfinder everything is Shafting and cross-

The Diamond Hitch continues to

At the Little Bertha high values

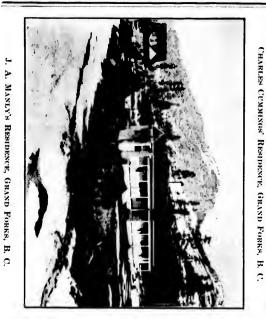
The Three-to-One is doing well. The War Cloud, Twins and Lilly

NORTHPORT SMELTER

The Le Roi Co.'s smelter is at Northport, Wash., on the main line of the Spokane Falls & Northern Railway. It has a capacity of 400 tons per day, and is kept busy. An up-to-date stamping mill is installed with a bin capacity of 1,400 tons, a battery of 84 ore roasting stalls, a furnace building with two 38 by 120 copper furnaces, well equipped calcine building, thoroughly furnished electric power house with a dynamo supplying are and incandescent lamps for lighting the premises, and machine shops for repairs. Cars are loaded at the mines in Rossland and run direct into the smelter, everything being handled expeditiously and at the smallest Work was commenced on the plant in Aug. 1897, and on the 21st January following the smelter was blown in. In addition to treating the output of the Le Roi, considerable custom work is done at the smelter. (See page 16).

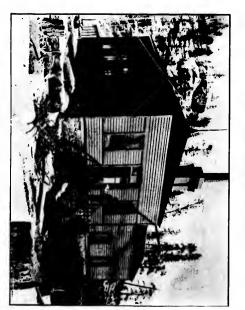


THE VOLCANIC.



The particular management of the particular of t







set for neighbors and greather the distant

WATER & LIGHT CO., GRAND FORKS, B. C.



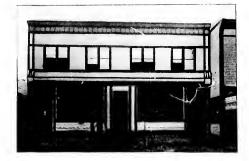
CITY OF GIGENWOOD, B. C.

GREENWOOD.

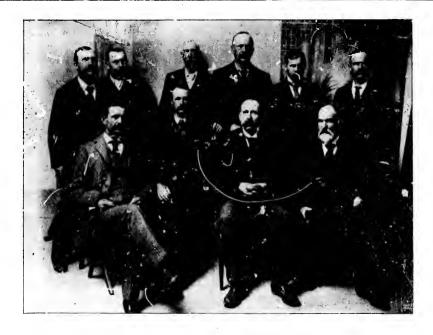
mining was becoming better difficulties of reaching the camp Greenwood is perhaps the oldest known. There could be no mis- and handling the ore. However, settlement in the country. Over taking the surface indications all this has now been overcome. forty years ago the wealth of the shown in the vicinity of Green-Good roads and trails have been neighborhood was known to the wood, and it did not take long to built, railway construction is under prospector of that day; but those induce practical miners to take a way, machinery has been introworthies were after placer diggings, lively interest in these. Once the duced, and capital is freely torthand having hurried over the richer interest was aroused the grounds coming for the working of the grounds, moved on to California, were tested and proved of great good properties in and around then -attracting much attention, richness. Claims were staked and the place. The town is a very However the first comers gave the worked till the stage was reached pretty one, and is rapidly coming district a good name, and this in- where capital was needed to secure to the front. The members of the duced others to try their luck in the certain profits. This was slow Board of Trade are very active in

the new country. The art of quartz in coming in, chiefly owing to the guarding the interests of the town,





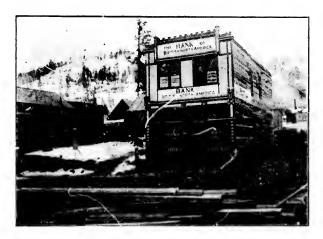
BOUNDARY CREEK TIMES, GREENWOOD.



CITY COUNCIL, GREENWOOD.

1. Ald. Robt. Wood, 2. R. J. Hardy, Mayor; 3. Ald. C. S. Galloway, 4. Ald. A. J. Cameron, 5. W. J. Nelson, Chief Fire Dept.; 6. G. B. Taylok, City Clerk: 7. Andrew Leamy, City Solicitor; 8. J. McLaren, Chief of Police; 9. J. Hallett, P.M.; 10. Ald. J. Setherland.





BANK OF E. N. A., GREENWOOD,



MORRISON MINE.

A company, in which McKenzie & Mann and eastern capital are largely interested, has been formed, to work a number of claims in the Greenwood camp, including the Stemwinder, Montezuma, Phænix, Standard, Brooklyn, Idaho and Rawhide. The Brooklyn and Stemwinder are adjoining properties, and on the latter there is a double compartment shaft, which is down some 200 feet. The Montezuma ledge is being opened up from the Standard, and this from the Brooklyn. The Rawhide is opened up by a tunnel, which is in 400 feet, tapping the vein at a depth of 250 feet. The properties are well equipped with machinery, and it is expected that a spur will quality and quantity. be run from the main line of the assays average 27 per cent, copper, good, but a sufficient depth has not

railway to facilitate the shipping to ounces silver and \$6 in gold. of ore. The ore body is a chaland copper.

the Summit camp. The necessary and are expected daily. machinery is on the ground for



THE STEMWINDER,

Recent

On the property of the Zela Gold copyrite with a gangue of lime and Mining Company, (owned chiefly silica, and values run high in gold in Rossland), a shaft is down 150 feet, and a tunnel has been started Boundary Falls, Nou Such, Repub-Work is proceeding satisfact to tap it. A 40-horse-power boiler lic, Last Chance and Hidden Treatorily on the Oro Denero mine, in and compressor have been ordered.

carrying on operations, and every-still holds the lead. The first steam thing is looking well. A depth of plant brought into the district was pyrites in quartz, and aways \$20. 125 feet has been attained in the installed at the Jewel early in 1897 main shaft, and tunneling has been - v 15 horse-power boiler, 6 horsestarted, headway being made as power hoist, and a steam pump. A fast as fifteen men can work. The shaft is down about 200 feet, and ore body appears to improve in over 200 feet of dritting is done.

Surface showings at Kimberly are as yet been attained to determine

In Smith's eamp the chief properties are the Ruby, Great Hesper, On the Non Such probably more work has been done than on At Long Lake camp the Jewel the others, and it has turned out well. The ore is iron and copper

At Central eamp sufficient work has been done on the Norfolk to prove that it is a rich property, but for the want of a wagon road through the district operations are retarded. On the City of Paristhere is much activity. Here a 10-drill air compressor has been installed. Showings are very rich.

An agreeable strike was made at the Morrison mine, in Deadwood eamp, the other day. The ore body appeared to dip out at a depth of 100 feet in the working shaft. feet it has again been struck, showing 20 feet of ore, and of improved values.

A number of strong companies, representing eastern and British capital are now operating in the Boundary, and with satisfactory re-Prospects are low very bright. No property of merit need lay idle for want of the necessary cash to develop it.



THE BROOKLYN

soon be completed. from Grand Forks.

The Rathmullen group is in and the mineral deposits lie in the iron pyrites, which, at a depth of Grand Forks mining division of altered eruptions in which are iso-twenty feet, assayed 9.5 per cent. Yale district, generally known as lated areas of crystalline limestone copper, 5.5 onness silver, giving the Boundary district. The group and bosses of granitic rock. The \$36 in all values per ton. Sinking consists of sixteen claims and frac- elevation is from 3,000 to will be continued on the Ben Hur. tional claims of valuable mineral 3,800 feet above sea level. The The vein is a contact of porphyry land, situated in the summit camp, mountains are rounded, not high to the east and lime rock to the about ten miles distant from Grand or difficult of access; water west. The Helen Ray, Lausing, Forks. The extension of the Ca- is abundant, and the rock of the Glasgow, Westward Ho, Belle nadian Pacific Railway from group being almost self-fluxing, it Marie and Trafalgar claims have Grand Forks to Greenwood will will not be long before the Rath- all shafts sunk upon them to vary-The line mullen will have local smelting fa- ing depths. Practical and systempasses within eight hundred yards cilities, and indications are not atic development work has been of the ground, giving best access wanting that this will be in the im- done on all of them, with most satfor shipping, while there is also a mediate future. The group con- isfactory results, and it has been good wagon road to the property sists of the following lode claims: fully demonstrated that there are These 16 The Rathmullen, Peerless, Maple several distinct veins upon the propclaims are in one block, as per ac- Leaf, Ione, Helen Ray, Malta, North crty, the width of the main vein becompanying sketch, and include a Star, Trafalgar, Glasgow, Lausing, ing over thirty feet. Assays from number of parallel gold and copper. Westward Ho, Chieftain, Ben Hur, the different workings average high bearing quartz and iron lodes or Rob Roy, Toledo and Belle Marie, and point clearly to the fact that as ledges, exposed on rising ground The Maple Leaf claim is now soon as the railway can give transon both sides of Ione Creek, which equipped with machinery, and the portation—say by October of the runs through the property in a present shaft will be continued to present year - Rathmullen will be northerly direction, and aggregat- the 300-foot level. The present a shipper. ing an area of over 700 aeres of lead is thirty feet wide, with a pay valuable mineral land. The form-streak two feet wide of \$60 ore, work has been done. Last year ation, or country rock, consists of The Ben Hur and Rob Roy claims this property was bonded by an limetsone, dark green diabasic have running through their entire English syndicate for \$65,000. A rocks and dykes of altered diorite, length a fine vein of copper and shaft has been sunk some 185 feet.

On the Snow Shoe considerable

M

G

vε

de

at

si

by aı

th ul

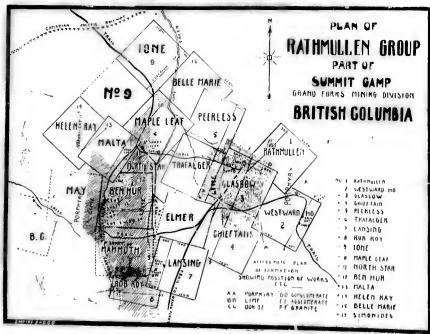
110 aı bε

of

in

iti

be e.



GOLDEN CROWN (WINTER).

mer of 1898, when an inhow of satisfactory, showing from 17 assays 6 ounces silver.

pth of

cent.

giving

inking

Hur.

rphyry

to the

msing,

Belle

linve

vary-

ystem-

been

st sut-

s been

re nre

prop-

ein be-

from

e high

hat as

trans-

of the

vill be

erable

year

by an

o. A

5 feet.

The Golden Crown, the property water rendered work impossible. of the Brandon Golden Crown This, however, cannot occur again Mining Co., the stock in which is as means have been taken to obvery largely owned by Brandon, viate it by drawing the water into Man., and Rossland people, is one a sump. To afford some idea of of the leading properties about the economy that has been dis-Greenwood, and promises in the played in the working of the propvery near future to become a divi- erty we will quote from the comdend payer. Steady and system- pany's last annual report the total atic work has been prosecuted cost per foot of the various worksince the purchase of the property ings : Shaft, 154 feet, (including by the company, in January, 1897, timbering throughout), \$40 51; and it is generally conceded that cross-cut and drift, 221 feet, \$14 52; the management are to be congrat- upraise, 66 feet, \$15 67; winze, 17 ulated on the practical and eco- feet, \$23 49. The formation in the being made to ship on a large scale nomical manner in which the large shaft shows the mine to have a dio- as soon as railway facilities are afamount of development work has rite hanging wall, the footwall be- forded. There are two immense been accomplished. An average ing an altered gabbro. The general dumps on the ground—one, of of fifteen men have been engaged character of the ore may be de- 4,000 tons, which will yelld from in development since the acquis- scribed as pyrrhotite and copper 25 to 30 per cent. copper, and 30 ition of the property, and there has pyrites in a silicious gangle. The ounces silver to the ton; the other been no suspension of operations, average values obtained from eare- an 8,000 ton heap, which will give except for a short time in the sum- ful sampling have been most returns of 10 per cent, copper and

\$28 10 in gold and 2 per cent. copper. At the annual meeting of the company, held at Greenwood, on the 15th March last, it was concluded to at once install a five-drill compressor. This has been done, the necessary machinery being installed by the Jenekes Machine Co. of Sherbrook, Que., which gives every satisfaction. There are tho isands of tons of ore now on the dump, ready to be shipped to the nearest smelter as soon as the C. & W. Railroad (a spur of which will pass within 100 feet of the shaft house), reaches the mine and affords the necessary facilities. Large bodies of ore are also being blocked out, so that when shipment does commence it may be steady and continuous. Hon, T. M. Daly, Q. C., is president of the company; Mr. W. J. Potter, of Greenwood, vice president; Mr. Geo. H. Collins, of Greenwood, managing director; a. 'Mr. W. L. Orde, of Rossland, secretary-treasurer. That the mine will soon be a dividend payer seems beyond peradventure.

At the B. C. Mine, in the Summit camp, active preparations are



GOLDEN CROWN (SUMMER).



WINNIPEG MINE.



The Mother Lode is one of the camp. It is a wonderful sight, carrying gold and silver. with its rich out-eropping. standing boldly to view for 1,000 feet along the hill in which it occurs, and rising to a hight of nearly 300 feet. The mine is fully equipped with machinery, and is being systematically worked.

The geological features of the Boundary Creek district are truly "varied and interesting," as one expert puts it. Perhaps it would be as well to give the principal characteristics of some of the leading camps:

Graham's Camp-Big surface showings of copper ore assaying well in gold and silver.

Smith's Camp-Veins one foot to eight feet wide; ores carrying gold and silver in silicious gaugue.

Copper Camp-Large bodies of cuprite and chalcocite, carrying some gold and silver,

Deadwood Camp-Large bodies of copper-gold and iron-gold ores.

Kimberley Camp—Big quartz leads and iron cappings, with ores carrying gold and silver.

Long Lake Camp--Veins one foot to eight feet wide; silver-gold ores with some copper and silicious gangue.

copper-gold ores.

Central Camp (including Atwood's Douglas' and White's camps)-Veins 2 to 12 feet wide; ores copper, gold and silver.

TROUT LAKE.

In the last annual report of the gold commissioner for the Trout Lake mining division, it is stated: "This camp only requires transportation facilities to make it a most important one, but owing to the lack of the same progress is materially retarded." It is to be regretted that a district so rich in minerals should be thus handicapped, but there is every prospect that the necessary accommodation will be provided without delay. Navigation has been improved, roads partially opened up, and a couple of railways are under way great properties in Deadwood to 50 feet wide; copper pyrites, through the Lardeau-Duncan. It was our intention to have the Wellington Camp-Ore bodies Tront Lake country covered by from 3 to 20 feet wide; copper-iron our special representatives and to pyrites and pyrrhotite in a silie- have fully illustrated it, but we found traveling so tedious, that Greenwood Camp-Ore bodies within the time at our disposal we from 10 to 300 feet wide; copper could not do it justice. We were, therefore, reluctantly obliged to Providence Camp-Silver-gold defer our visit to this important ores; veins from 6 inches to 4 feet section of the Kootenays; but it shall receive our special attention

Summit Camp-Ore bodies 10

ious gangue.

pyrites carrying gold.

Skylark Camp--Silver-gold and within the next two months.

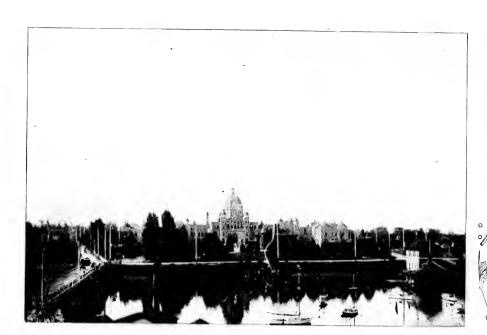


SHAFT AND GALLOWS FRAME, MOTHER LODE.

g At-Vhite's wide; r.

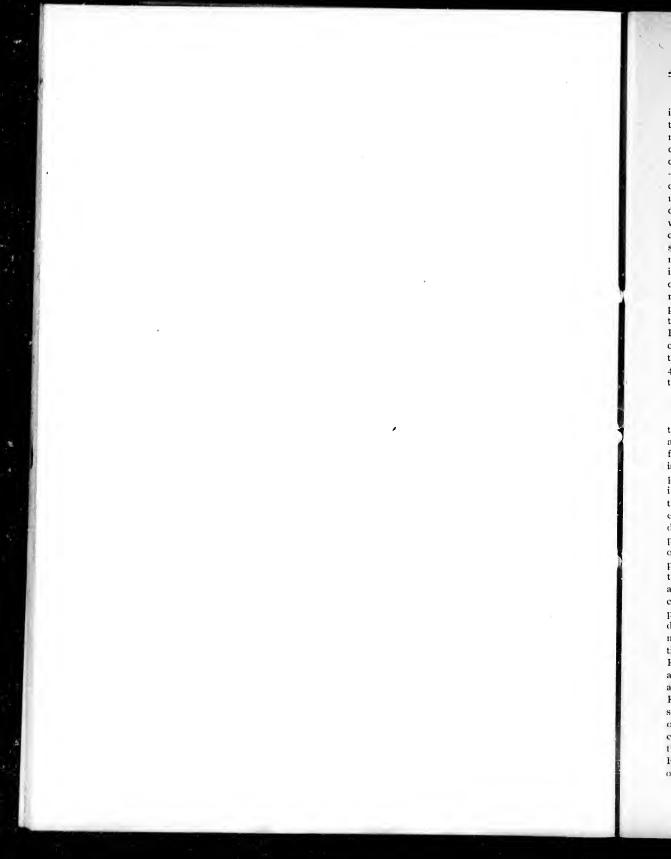
of the Trout stated: transe it a ing to ress is to be ich in handıospect dation delay. roved, and a r way n. It e the ed by uid to ut we , that sal we were, ed to

ortant but it ention



PARLIAMENT BUILDINGS, VICTORIA, CAPITAL OF BRITISH COLUMBIA.





CROWN-GRANTS.

nually, crown-granted. eific amount of work must be done Ferry. -sufficient to prove that the locator hundred miles of steamship route. Three years are allowed to pany is excellent. crown-grant is applied for it may by the "iron horse," as charters owners to the extent of \$32,500. perty is a promising one and that districts not already covered. the applicant's title thereto is clear. For the year 1897 there were 334 claims crown-granted in the Koothe current year 256.

RAILWAYS AND STEAMSHIPS.

freighting facilities. The country vestment. the Kootenays enjoy an exception- have no record. ally good service in both particulars considering that it is only within the five cents per share amounting to a silver-lead producer. past few years the rich mineral \$10,000. deposits have become known. Astional line, the Canadian Pacific cent on preferred. Railway, control the greatest mileover 243 miles of waterway. or 40 miles of which will run through ooo.

Kootenay territory. The Kootenay A good indication of the activity Railway & Navigation Co. operate in the mining of the Kootenays is 35 miles of railway, and have under the increasing number of claims an-construction some 35 miles of road \$1,025,000. Before a into the Lardeau-Dunean district, crown-grant can be obtained a spe- and 30 from Kuskanook to Bonner's dend in May, 1899,-11/2 cents per They also operate one or holder of the claim means busi- The service afforded by this com- vidends \$12,500. The Spokane do this assessment work, and if Falis & Northern & Red Mountain stockholders \$400,000. within that period it be not done, the Railway Co. control 80 miles of road claim is forfeited. If on the first or in the Kootenays. Besides the sersecond assessment the claim does vices here enumerated, there is every not show up satisfactory it is invar- indication that in the near future a iably abandoned, so that when a still greater area will be opened up reasonably be inferred that the pro- are being applied for to build into

DIVIDEND-PAYING MINES.

It is a difficult matter to give a tenays. Last year the total reached complete list of the dividend-paying 404, and for the first six months of mines of the Kootenays, as several of these are held by companies who do not make public the amount paid over to their stockholders an-For years the great drawback to mually. However, sufficient data is the speedy progress of the Kooten- to hand to show that the mines of ays was the lack of traveling and the Kootenays are a profitable inis an essentially mountainous region every figure here given, as we can of the Kootenays. presenting many serious engineer- only approximate some of the divi- Creek district, for instance, the ing difficulties in railway construct dends paid. The Poorman, for in-most notable feature is the marked tion with attendant heavy cost. Its stance, was worked for some eight predominance of rocks of igneous exceptional wealth alone could in- or ten years as a private concern, origin. duce railway and steamship com- and is said to have netted the Daven- presented, the older consisting of panies to incur the great expense ports of Spokane \$20,000 a year porphyrites, diabases, gabbros, tuffs of introducing a service; but it has during this period. Other proper- and agglomerates, and the younger proved the attraction, and to-day ties have paid dividends of which we of granites; while in the Slocan

Their various branch lines of 10 cents per share in April, 1898, silver in other compounds, galena and main cover 395 miles in the -\$825,000. This does not include with gold disseminated through the Kootenays, while their palatial \$150,000 which the holders of shares quartz, tetrahedrite in quartz with steamships give first-class service received after the property was sold galena, to a low grade ore carrying The to the British America Corporation galena, from and copper pyrites and company have also under construc- for the ore and matte that was at the pyrrhotite. In the Nelson district tion 155 miles of road to tap the smelter, nor does it include the smel- there is gold-copper and silver-Boundary Creek country, some 35 ter at Northport, which cost \$200- copper ore bodies of great size and

The Rambler-Cariboo, has paid \$50,000 in dividends.

The Payne Consolidated has paid

The War Eagle paid its last divi-

The Queen Bess has paid in di-

The Slocan Star has netted its

The Reco has paid in dividends \$287,500.

The Idaho has paid dividends totalling \$220,000.

The Goodenough has enriched its

The Last Chance has paid \$37-

The Ruth contributed \$115,600 to the total dividends paid by the mines of the Kootenays.

The Alamo, Cumberland, and Noble Five have also paid dividends as well as others not here mentioned for reasons above stated.

GEOLOGICAL FORMATIONS.

The geological formation varies We cannot youch for considerably in different sections Two great series are regranite and granitoid rock take the The Fern has paid dividends of lead. The Slocan is consequently worth the ores vary from a solid The Hall Mines have paid 15 per galena with zine blende through might be expected, the great na- cent on the ordinary stock and 7 per quartz and calcite carrying sulphides with little galena and zinc The Le Roi paid its last dividend blende, quartz and lime earrying considerable free-milling material.

MINING MACHINERY.

The following is a list of mining plants in operation in East and West Kootenay: ROSSLAND DISTRICT.

War Eagle Mine-One 40-drill duplex Ingeraoll - Sergeant air compressor, ejectrically driven; one Cross Corlies Rand air compressor, 20-drill capacity; one 300-horse power double drum, electrically driven hoisting eng.ne, capacity 16,000 lba., 800 feet per minute to a depth of 3,000 feet, built by James Cooper Manufacturing company, Mon-treal; two 100-horse power Ingersoll boilers; one geared hoisting engine, Fraser & Chalmers; 20 Ingersoll-Sergeant drills; three Rand drills; five sinking and station pumps, complement of air receivers, small pumps, etc. Electrical machinery furnished by General Electric company, Peter-boro', Ont. Le Roi Mine-One 40-drill Cross Corliss boro

Rand compressor; two 80-horse power Ingersoll boilers; three 125-horse power Ingersoll boilers; one 100 h.p. Ingersoll boiler; one 80-horse power Fraser & Chalmers one 80-horse power Fraser & Chalmers boiler; eight Rand drills; 18 Ingersoll-Sergeant drills; three small hoisting en-gines; one large 300-horse power direct acting winding engine, manufactured by James Cooper Manufacturing company; three sinking pumps, station and small three sinking pumps, station and small pumps, ane electric light plant, including one 40 horse power Westinghouse engine; machine saw for tomber framing, etc.; one 150-horse power electric hoisting engine, Denver Engineering Works.

Kootenay and Columbia Mine—One 30-

drill Corliss Ingersoll-Sergeant air compressor; three 100-horse power boilers; one 10 x 12 hoisting engine, American manufacture (Lidgerwood); 10 Ingersoll-Scrgeant drills; complement of receivers,

pumps, etc.

Josie Mine-One five-drill Ingersoll-Sergeant air compressor; one 60-horse power boiler; six Ingersoll-Sergeant drills; plant

by James Cooper Manufacturing company.

Nickel Plate Mining Company-Two 60horse power return tubular boilers; one Ingersoll-Sergeaut compressor; one hoisting engine; six Sergeant drills; two Cameron sinking pumps; one station rump (Knowles); plant built by James Cooper Manufacturing company,

Great Western Go'd Mining Company One O-horse power tubular briler: one 8x10 hoisting engine; one 30-horse nower boiler; seven Ingersoll deil's; plant bult by James Cooper Manufacturing company. This mine is supplied with air from the

N ckle Plate mire.

No 1 Mine-One 60-horse power tubular boiler; one 40-hor-e power hoisting engine; sinking pump and station pumps, four Ingersoll drills; plant supplied by James Cooper Manufacturing Co. The air for this mine is supplied by the Le Roi plant.

Centre Star Mining Company-One 7 drill Ingersoll-Sergeant air compressor; one 80-horse power boiler; five Ingersoll-Sergeant drills; two Rand drills; one small hoisting engine. A dunlicate or the War Eagle plant is now being built for this mine.

Rossland Red Mountain-One 5 drill Rand air compressor; one 60-horse power boiler; three Rand drills; plant supplied by Jenckes Machine Co. and Rand Drill

Iron Mask Gold Mining Company-One

10-drill duplex Rand compressor, electri cally driven; two duplex pumps; one one 8x10 hoisting engine, Fraser & Chalmers; five Rand drills.

Monte Christo Mining Company-Ons 7-drill lugersoll a.r compressor; one 80herse power boiler; five Ingersoll-Sergeant drills; receiver, pine line, etc.; plant built by James Cooper Manufacturing Co.

Giglin Mining Company—One 8xll hoisting engine, Jenckes Machine Co.; two lagersen urike; two tand drain, one large are receiver, etc. This mine is supplied with air from Monte Christia

compressor.

Iron Cott Mining Company-One fourdritt Ingersell air compressor; one 40horse power return tubular boiler; one Rand drill; one Ingersoil-Sergeant drill; plant built by James Cooper Manufacture ing company.

O. K. Mining Company—One 10-stamp mill (Jenckes Machine Co.); one four-drill Rand air compressor; two Rand drills.

thiff Mining Company-One two-drill compressor; one 50-horse power boiler; two Rand drills; plant built by Jenekes Machine Co. and Rand Drill Co.

City of Spokane Mining Company-One three-drill Rand air compressor; one 50-horse power boiler; two air drills; air receivers, etc.; plant built by Jenekes Machine Co.

Lily May Gold Mining Company-One four-drill Ingersoll-Sergeant air compressor; one 60-horse power boiler; one 6 x8 hoisting engine; two air drills; plant supplied by James Cooper Manufacturing

Homestake Gold Mining Company-One five-drill Ingersoll-Sergeant air pressor: one 80-horse power boiler, air receivers, etc; one 8 x 10 hoisting engine; one sinking pump; five Ingersoll drills; plant supplied by James Cooper Manufacturing Co.

Crown Point Mining Company-One four-drill Rand air compressor; one 60horse power boiler; three Rand drills; receiver, etc.; plant built by Jenckes Machine Co., and Rand Drill Co.

Deer Park Gold Mining Company-One 80-horse power tubular boiler; one 50horse power boiler; one seven drill Ingersoll-Sergeant air compressor and receiver; one 30-horse power hoisting engine; six Ingersoll drills; one Cameron sinking pump; one Knowles station pump.

Sunset No. 2-One 7-drill Ingersoll air compressor; one 80 horse power holler; one 30-horse power hoisting engine; one Cameron sinking pump; six Ingersoli drills; plant built by James Cooper Manufacturing Co.

Gopher Mining 'ompany-This com-pany get their mr the Hour's Lee Mining empany, and are using two Ingersoll drills.

Commander Mining Company-One Tubular boiler; one small Rand air compressor; one hoisting engine.

Mayflower Gold Mining Company-Oue 30-horse power hoisting engine and boiler and s'nking pump; built by the James Cooper Manufacturing Co.

Robert E. Lee Mine-One 7-drill Inge." soll Sergeant air compressor; one 100horse power boiler; one 30-horse power hoisting engine; six Ingersoll-Sergeant drills; one sinking pump, receivers, etc.; plant built by the James Cooper Manu-

facturing Co.

Velvet Mine-One 60-horse power return (u.ular boiler; one 30-horse power boller; one 30-horse power boisting engine; built by James Cooper Manufacturing Co. Silver Bell Mining Company-One ver-

tical holler and holating engine; built by denckes Machine Co.

Blue Hell Mining Company-One 25 horse power boiler; one amail hoisting engine (American manufacture); one Rand drift.

Iron Horse Mining Company—One 80-horse power return tubular boiler; one 7-drill Ingersoll-Sergeant air compressor;

7-dril Ingersolf-sergeant air compressor; one noiseting engine; receivers, pumps and drills; plant supplied by James Cooper Manufacturing Co.

Mascot Mino-One 7-drill Ingersolf-Scrgeant air compressor, driven by 109-horse power electric motor; three Ingersolf drills; one Rand drill; receivers, pumps,

Gertrude Mine—One 20-horse power electrically driven hoisting engine, pumps, etc.; supplied by James Cooper Manufacturing Co.
Coxey Mine-One 20-horse power elec-

trically driven horsting emane, pumps, etc. Umatilla Gold Mining Company-(Sophie Mountain)—One 40 horse power tubular holler; one 20 horse power hoisting engine; one small Ingersoll-Sergeant air compressor and drills; one Cameron sinking pump, ete,; plant supplied by James Cooper Manufacturing Co.

Green Mountain-One Knowles sinking pump; one 40-harse power locomotive boiler and hoisting engine; supplied by James Cooper Manufacturing Co. and

Jenekea Machine Co. British Columbia Bullion Extraction Company—Pelatan Clerici extraction plant and machinery, consisting of electricallydriven crusher, rolls, grinding and amalgamating vals, concentrators, etc.; American manufacture.

Iron Mask-One 50-horse power ske" indetor, type 3-phase motor; one 5-norse power "Sie" induction motor, by Royal

Electric Co.

NELSON DISTRICT.

Hall Mines (At Mine)-Three Ingersoll-Sergeans air compressors, (two 10- and one four-drill); five boilers (Ingersoil, three 60, one 80 one 40-horse power); one 16 x 36 Corline engine; 22 Ingersoli-Sergeant drills; one rock erusher; three hoisting engines: two Sullivan diamond drills; air receivers; pipe lines, machine shop containing lathe, drill presses, ete; one Hallidle aerial tramway in two seetions four and one-half miles long to smelter, capacity up to 300 tons per day. Smelter capacity 500 tons per day, copper and lead; plant three rock crushers, three sets of rolls, two blast furnaces, sampling mill, two blowing engines, 16 x 36 Corliss epe'ne; three 80 horse power boilers, etc.

Poorman Mines-One 10 stamp mill, American manufacture, Franc & Chalmers: one three-drill belt compressor, Rand: one 20 horse power hol-ting engine

and boiler; two Rand drills.

Duncan Mines-One 30 horse power holler, holst and Cameron sinking pump. Athabasea Mine-One 10 stamp mill, vanners, etc.; one holoting engine; pump, (France & Chaimers.)

Forn Mine—thre 21-stump mill (Union Iran Works, San Francisco), complete with vanners and cyantling tanks; two

ower reting en Manufac-

One verbutt by Une 25 hoisting

e); one -One 80ler; one pressor; pumps

James

rsoll-Ser-100-horse Ingersoil pumps,

power

pumps, Manuer elec--(Sophie tubular

engine; npressor cooper sinking omotive lied by

o. and traction n plant tricallyamalga-

5-norse Royal

gersollgersoll, gersoll-; three iamond nachine es, etc; wo secong to er day. copper three mpling Corlina

rs, etc. Chalressor, engine power

pump. mill. pump,

(Union mp'ele 4; two

power boilers; one five-drill Ingersoll-Sergeant air compressor, receiv-

respectively. The result of the service of the serv

Cameron sinking pump; plant built by James Cooper Manufacturing Co. Arlington M.ne (Erre)—One tubuar

Arington and Carlos power hoisting engine; one Cameron sinking pump.
Yellowstone Mine—Two 30-horse power boilers; two Rand drills; one four-drill Ingersoll-Sergeant air compressor, pumps.

SLOCAN DISTRICT.

Slocan Star Mine (Byron N. White company) - One 120-ton concentrating mill built by E. P. Allis Co., Milwaukee. Wis.; one tour-drill Rand air compressor, two 50-horse power boilers; three Inger-soll-Sergeant drills; one surface trand from mine to mill; receiver; saw mill;

Galena Mines-One six-drill Rand compressor: onc 40-horse power boiler; three Rand drills; one large water power hoisting engine, Pelton wheel and pipe nue, by Pelton Water Wheel Co.; two sinking pumps, (one Cameron, one Knowles.)

Noble Five Mine—One 120 ton concentrating mill, built by E. P. Allis Co., Mil waukee; one aerial tramway (Finlaison), capacity 480 tons per day, length 0,000 feet; built by the Colorado Iron Works, Denver, Col:; one 12 drill Ingersoll-Sergeant air compressor; four ingersoll-Sergeant drills; receivers: Pelton wheel,

Kuth Mines—One seven-drill Ingersoll-Sergeant air compressor; one 80-horse power economic boiler; six IngersollSeretc. geant drills; receiver, etc; one saw mill, including 10 x 16 horizontal engine, built by w. M. Hamilton & Sons, Peterboro. There is being constructed on this property a concentrating mill of 100 tons capacity built by the E. P. Allis Co., Mill waukee; and an aerial tramway under construction by B. C. Riblet.

Lucky Jim Mine-One 3 drill Rand air compressor; one 40-horse power boiler; two air drills built by Rand Drill Co. and

Jenckes Machine Co.
Dardanelles Mine-One 3-drill compressor; one 40-horse power boiler; two Rand drills; two Ingersoll-Sergeant drills; one

pump, (American Manufacture).

Washington Mine-One 40-ton concentrating mill, built by Jenckes Machine Co.
Alamo Mine-One 75-ton concentrating mil, built by Fraser & Chaimers, oper ated by Pelton wheel: one surface tram-

Ivanhoe Mine-One five-drill Ingersoll-Sergeant air compressor; 60-horse power boiler; four Sergeant drills; pumps; etc. Northern Bell—One small donkey hoist.

gersoll drills; one 40-horse power hoisting engine; one Cameron sinking and other pumps; one Pelton wheel; 4,000 feet steel pipe line; one electric light dynamo; sawmill, etc.; plant supplied by James Cooper

Manufacturing Co.
Whitewater Mine—Ons 100-ton silver-lead concentrating mill; built by E. P. Allis, Milwaukee.

Arlington Mine-(Slocan City)-Hoist and boiler and sinking pump, (Cameron).

AINSWORTH DISTRICT.

Highlander Mine-One hoisting engine and boiler; built by Jenckes Machine Co. Evening Star Mine (Slocan City-One 20horse power hoisting engine, boiler and pump; built by the James Cooper Manu-

facturing Co. No. 1 Mine and Highlander Mine (H. Fern Mine—One 10-Kilowatts plant M. Stevenson)—One 50-ton silverlead coucomplete by Royal Electric Co. centrator, built in United States; one 4-drill Ingersoll-Sergeant air compressor; three Ingersoll drills; one Pelton wheel, operated under 1,080-foot head. Canadian Pacific Mining & Smelting

Company—One 50 ton concentrating mill, built in Missouri, U. S. A.; one 10 drill Ingersoll-Sergeant ar compressor; four ingersoll drills; Pelton wheel, receivers, etc.

Montezuma Mine-One 100-ton concentrator and ariel tramway, (concentrator by E. P. Allis); one 2-drill Rand compressor; one air drill; compressor operated by Pelton wheel

Blue Bell Mine-Onc 12-inch Allis air compressor; one 50 horse power boiler: two Rand drills; two Ingersoll drills; receivers, etc.

Pilot Bay Smelter and Concentrator-One 100-ton lead concentrating mill; two blast furnaces; two return tubular boilers, crushers, rolls, etc.; the whole plan supplied by the Chicago Iron Works.

EAST KOOTENAY DISTRICT. Lake Shore Mine, Moyie-One seven-drill Ingersoll Sergeant air compressor; five Sergeant drills; 80-hose power boiler, condenser, pumps, etc.; plant built by James Cooper Manufacturing Co.,

Montreal. Thunder Hill Mining Company—One 80-ton silver-lead concentrating plant, built by the Chicago Iron Works; Ingersoll-Sergeant air compressor and drills;

soli-rergeint air complessor and times, surface tramway; etc. North Star Mine—Two tubular boilers, 30- and 50-horse power; one 40 horse power hoisting engine; sinking and other emp"; etc., built by the James Cooper

Monnfacturing Co.
Sullivan Mines—One 33-horse nower tubular boiler; hoisting engine; saking hoisting engine; boiler pumps, etc.; supplied by James Cooper Manufacturing Co. Menufacturing Co.

St. Eugene Mine-One 120-ton silver Cameron sinking pump.

Antoine Mine—One 20-horse power hoisting engine and boiler; one small sinking Riblet: one 10-drill Rand air compressor and four Rand drills.

BOUNDARY DISTRICT. WEST KOOT-ENAY, WELLINGTON AND GREENWOOD CAMPS. Brandon and Golden Crown—One 60-

horse power boiler; one 50-horse power locomotive boiler; one 30-horse power hoisting engine and Knowles sinking pump, supplied by the James Cooper Monifacturing Co. one feur-drill Rand still Rand s

ing pump; etc.; built by James Cooper

Manufacturing Co.
Winnipeg Mine—One 20-horse power
hoisting engine: boiler and sinking pump,
supplied by the Jeneses Machine Co; one two-drill Rand compressor.

Brooklyn Mine-Two hor zontal return tubular boilers; hei-ting engine; suking pump; etc.; supplied by the James Cooper Manufacturing Co. Stemwinder Mise-Oue heisting plan', supplied by the James Cooper Manufacturing Co.

Old Ironsides-One 10-drill Rand ste compressor; two 10-ho as poxer boilers; three Rand drills; pumps, etc., supplied by Jenckes Machine Co.

Knob Hill-This company is using two drills and getting their air from the Old ironsides plant.

Athelstane Mine—One 30-horse power hoisting engine; boder; sinking nump; etc.; supplied by the James Cooper Manufacturing Co.

Dominion Copper Company—One five-dril Ingersoll-Sergeant air compressor plant, including 80-horse power boiler; five drills; pumps; etc.

SUMMIT CAMP.

B. C. Mine—One 20 drill compound duplex Ingersoll Sergeant air compressor; three 80-horse power return tubular boilers; one 100-horse power hoisting enboulers; one two norse power notating en-gine; Ingersoil drills, pumps, eages, etc.; small auxiliary plant on this property supplied by the Jenckes Machine Co. Oro Denoro—One 40-horse power return

tubular boiler; one 20-horse power hoisting engine; compressor and Ingersoll drills, sinking pump, etc., etc., built by James Cooper Manufacturing Co. City of Paris—One 10 drill Rand com-

pressor; Rand drills; one return tubular boiler; sinking pump, etc.; built by the Jenckes Machine Co. and the Rand Drill

Rathmullen-One 2-drill Rand com-pressor, boiler and hoist.

DEADWOOD CAMP.

Mother Lode Mine-One 12 drill Ingersoll-Sergeant air compressor; two 100soll-Sergeant air compressor; two 100-borse power boilers; one 40-horse power hoisting engine; sinking and other pumps, receivers etc.; plant built by James Cooper Manufacturing Co. Sunset Mine—One 20-drill Ingersoll-Sergeant nir compressor; 10 Sergeant

drills; 100-horse power hoisting engine; three 80-horse power boilers, pumps, eage, etc.

CAMP MCKINNEY.

Cariboo Mine—One 20-stamp mili, com-plete with vanners, etc.; one 7-drill aur compressor; plant supplied by the Jenekes Machine Co. and Rand Drill Co.

Minnehaha Mine-One 10-stamp mill: one 5-drill Ingersoll-Sergeant air compressor; return tubular hoilers, hoisting engines, drills and pumps; supplied by the James Cooper Manufacturing Co.

LONG LAKE CAMP.

Jewel Mine -- One small prospecting plant (American manufacture).

Whitewater Deep Mine -One 12-drill Ingersoll-Sergennt air compressor; four In
Whitewater Deep Mine -One 12-drill Ingersoll-Sergennt air compressor; four In
Minimeturing Compand Rand drills.

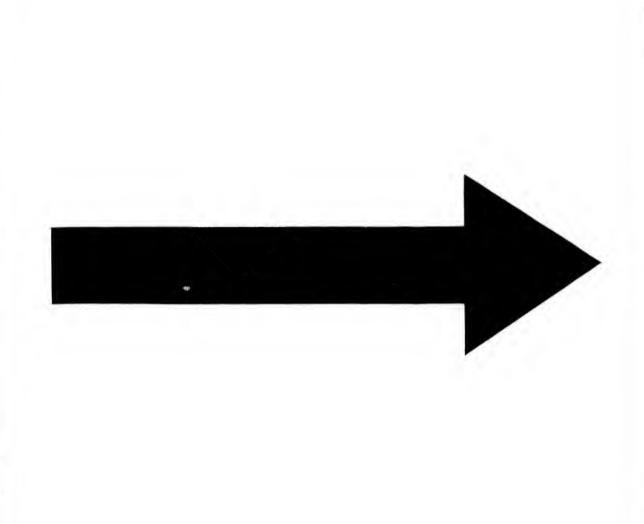
The e'ectric p'ant supplying power at the offices of the Standard Publishing gersoll-Sergennt air compressor; four In
Snow Shee Mine-One 50-horse power the offices of the Standard Publishing locomotive holler; hoisting engine; sink
Company was also supplied by the Royal

metion. Company has supt for the town of the temporarily sustended the temporarily sustended to the temporarily s		Black Diamond Tamarac Rand Highland Alberta Whitewater. Charleston Hillside Alexander Whitewater Deep Elkhorn W llington Bell Kasio. True Blue Leviathan Bismarack Group Montezuma Liberty-Hill Pendora Cody. Ruby Silver	Wakefield Comstock Fidelity Emily-Edith Vancouver Noonday St Eugene Lake Shore.	Edinborough Bartlett Moyle. Queen of Hills Peter Society Girl Aurora New Denver. Halney Marian Royal Five
mile have two 100- ent dynamos for led by the Royal MINES. of the properties shipping mines and eloped at the var- On some of the temporarity sus- Developing. Last Chance Granite Royal Canadian Exchequer Golden Dale Californa Juneau Dunean toold Hill Silver Crown	Tariff Silver Glance Whitewater Jackson Blue Bird Noblo Five	Tamarae Rand Highland Alberta Whitewater. Charleston Hillside Alexander Whitewater Deep Elkhorn W llington Bell Kasto. True Blue Leviathan Bismarack Group Montezuma Liberty-Hill Pendora Cody. Ruby Silver	Wakefield Comstock Fidelity Emily-Edith Vancouver Noonday St Eugene Lake Shore.	Neepawa Mollie Silverton. Congo Sultana Edioborough Bartlett Moyle. Queen of Hills Peter Society Girl Aurora New Denver. Halney Marian Royal Five
mt dynamos for dynamos for led by the Royal MINES. of the properties shipping mines and eloped at the var- On some of the temporarily sus- Developing. Last Chance Granite Royal Canadian Exchequer Golden Dale Californa Juneau Duneau Dunean toold Hill Silver Crown	Whitewater Jackson Blue Bird Noblo Five	Highland Alberta Whitewater. Charleston Hillside Alexander Whitewater Deep Elkhorn W llington Bell Kasto. True Blue Leviathan Bismarek Group Montezuma Liberty-Hill Pendora Cody. Ruby Silver	Wakefield Comstock Fidelity Emily-Edith Vancouver Noonday St Eugene Lake Shore.	Mollie Silverton. Conyo Sultana Edioborough Bartlett Moyle. Queen of Hills Peter Society Girl Autora New Denver. Halney Marian Royal Five
mt dynamos for dynamos for led by the Royal MINES. of the properties shipping mines and eloped at the var- On some of the temporarily sus- Developing. Last Chance Granite Royal Canadian Exchequer Golden Dale Californa Juneau Duneau Dunean toold Hill Silver Crown	Whitewater Jackson Blue Bird Noblo Five	Alberta Whitewater. Charleston Hillside Alexander Whitewater Deep Elkhorn W llington Bell Kasio. True Blue Leviathan Bismarck Group Montezuma Liberty-Hill Pendora Cody. Ruby Silver	Comstock Fidelity Emily-Edith Vancouver Noonday St Eugene Lake Shore.	Congo Sultana Edioborough Bartlett Moyle. Queen of Hills Peter Society Girl Aurora New Denver. Halney Marian Royal Five
of the properties shipping mines and eloped at the var- On some of the temporarily sus- Developing. Last Chance Granite Royal Canadian Exchequer Golden Dale Californa Juneau Duneau Onnean Gold Hill Silver Crown	Jackson Blue Bird Neblo Five	Charleston Hillside Alexander Whitewater Deep Elkhorn W llington Bell Kasio. True Blue Levlathan Bismarck Group Montezuma Liberty-Hill Pendora Cody. Ruby Silver	Comstock Fidelity Emily-Edith Vancouver Noonday St Eugene Lake Shore.	Congo Sultana Edioborough Bartlett Moyle. Queen of Hills Peter Society Girl Aurora New Denver, Halney Marian Royal Five
of the properties shipping mines and eloped at the var- On some of the temporarily sus- Developing. Last Chance Granite Royal Canadian Exchequer Golden Dale Califorma Juneau Duneau told Hill Silver Crown	Jackson Blue Bird Neblo Five	Charleston Hillside Alexander Whitewater Deep Elkhorn W Hington Bell Kasio. True Blue Leviathan Bismarck Group Montezuma Liberty-Hill Pendora Cody. Ruby Silver	Comstock Fidelity Emily-Edith Vancouver Noonday St Eugene Lake Shore.	Sultana Edioborough Bartlett Moyle. Queen of Hills Peter Society Girl Autora New Denver. Halney Marian Royal Five
of the properties shipping mines and eloped at the var- On some of the temporarily sus- Developing. Last Chance Granite Royal Canadian Exchequer Golden Dale Califorma Juneau Duneau told Hill Silver Crown	Jackson Blue Bird Neblo Five	Charleston Hillside Alexander Whitewater Deep Elkhorn W Hington Bell Kasio. True Blue Leviathan Bismarck Group Montezuma Liberty-Hill Pendora Cody. Ruby Silver	Fidelity Emily-Edith Vancouver Noonday St Eugene Lake Shore.	Edinborough Bartlett Moyle, Queen of Hills Peter Society Girl Aurora New Denver, Halney Marian Royal Five
of the properties shipping mines and eloped at the var- On some of the temporarily sus- Developing. Last Chance Granite Royal Canadian Exchequer Golden Dale Califorma Juneau Duneau told Hill Silver Crown	Jackson Blue Bird Neblo Five	Hillside Alexander Whitewater Deep Elkhorn W Hington Bell Kasto. True Blue Leviathan Bismarek Group Montezuma Liberty-Hill Pendora Cody. Ruby Silver	Emily-Edith Vancouver Noonday St Eugene Lake Shore.	Mayle. Queen of Hills Peter Society Girl Aurora New Denver. Halney Marian Royal Five
hlipping mines and eloped at the var- On some of the temporarily sus- Developing. Last Chance Granite Royal Canadian Exchequer Golden Date California Juneau Duncan Gold Hill Silver Crown	Blue Bird Noblo Fivo	Alexander Whitewater Deep Elkhorn W Hington Bell Kasto. True Blue Leviathan Bismarck Group Montezuma Liberty-Hill Pendora Cody. Ruby Silver	Vancouver Noonday St Eugene Lake Shore.	Moyle. Queen of Hills Peter Society Girl Aurora New Denver, Hainey Marian Royal Five
hlipping mines and eloped at the var- On some of the temporarily sus- Developing. Last Chance Granite Royal Canadian Exchequer Golden Date California Juneau Duncan Gold Hill Silver Crown	Blue Bird Noblo Five	Whitewater Deep Elkhorn W Hington Bell Kasto. True Blue Leviathan Bismarck Group Montezuma Liberty-Hill Pendora Cody. Ruby Silver	Noonday St Eugene Lake Shore. Bosun	Queen of Hills Peter Society Girl Autora New Denver, Hainey Marian Royal Five
eloped at the var- On some of the temporarily sus- Developing. Last Chance Granite Royal Canadian Exchequer Golden Dale Califorma Juneau Duneau toold Hill Silver Crown	Blue Bird Noblo Five	Elkhorn W Hington Bell Kasto. True Blue Levlathan Bismarck Group Montezuma Liberty-Hill Pendora Cody. Ruby Silver	St Eugene Lake Shore.	Queen of Hills Peter Society Girl Autora New Denver, Hainey Marian Royal Five
On some of the temporarily sus- Developing. Last Chance Granite Royal Canadian Exchequer Golden Dale Californa Juneau Duncan Gold Hill Silver Crown	Blue Bird Noblo Five	Bell Kasto. True Blue Leviathan Bismarck Group Montezuma Liberty-Hill Pendora Cody. Ruby Silver	Lake Shore. Busun	Queen of Hills Peter Society Girl Autora New Denver, Hainey Marian Royal Five
Developing. Last Chance Granite Royal Canadian Exchequer Golden Dale Californa Juneau Duneau told Hill Silver Crown	Blue Bird Neblo Five	True Blue Leviathan Bismarck Group Montezuma Liberty-Hill Pendora Cody. Ruby Silver	Busun	Society Girl Aurora New Denver, Hatney Marian Royal Five
Developing. Last Chance Granite Royal Canadian Exchequer Golden Dale Californa Juneau Dunean Gold Hill Silver Crown	Blue Bird Neblo Five	True Blue Leviathan Bismarck Group Montezuma Liberty-Hill Pendora Cody. Ruby Silver	Bosun	Aurora New Denver, Halney Marian Royal Five
Last Chance Granite Royal Canadian Exchequer Golden Dale Californa Juneau Duneau told Hill Silver Crown	Blue Bird Neblo Five	Levlathan Bismarck Group Montezuma Liberty-Hill Pendora Cody. Ruby Silver	Besun	New Denver. Halney Marian Royal Five
Granite Royal Canadian Exchequer Golden Date California Juneau Duncan Gold Hill Silver Crown	Blue Bird Neblo Five	Bismarck Group Montezuma Liberty-Hill Pendora Cody. Ruby Silver	Besun	Halney Marian Royal Five
Royal Canadian Exchequer Golden Date Californa Juneau Duncan Gold Hill Silver Crown	Blue Bird Neblo Five	Montezuma Liberty-Hill Pendora Cody. Ruby Silver	-	Marian Royal Five
Exchequer Golden Dale California Juneau Duncan Gold Hill Silver Crown	Blue Bird Neblo Five	Liberty-Hill Pendora Cody. Ruby Silver		Royal Five
Golden Dale California Juneau Duncan Gold Hill Silver Crown	Blue Bird Neblo Five	Pendora Cody. Ruby Silver		
Californa Juneau Dunean Gold Hill Silver Crown	Blue Bird Neblo Five	Cody. Ruby Silver		
Juneau Duncan Gold Hill Silver Crown	Neblo Five	Ruby Silver		Mollie Hughes
Duncan Gold Hill Silver Crown				Convention •
Gold Hill Silver Crown		Freddie Lee		Mary Durham
Silver Crown		Three Forks.		Neglected
	Idaho	Cinderella		Mero
Northern Light	Queen Bess			Sarah Jane Ymir.
	Monitor		Ymir	Jubilee
Poorman 1.	Wild Goose		Dundee	Blue-eyed Nellie
Columbia & Koo.		Sproule. Carbonato No. 2	Blackcock	Tamarae
tenay		Fourth of July	Porto Reco	Rio Grando
Great Western	-	Texas	Purto Reco	Sadie
Sunset No. 2				Porcupine
Giant		London Con.		Canadian Belle
Nickel Plate		Richilieu		Flossie R
Josie		Humboldt		Dumas
No. 1	5			Farmont Eveg Star
Snowshoe		Molly Gibson		Bullion
Msacot	D 11 (1 11	McGulgan.		Wileox
Lily May				Big Horn
Monte Christo		•		Union Jack
Homestake				Great Western
R. E. Lee	Antoine			Ymir Belle
Gopher				New Victor
Gertrude		Surprise -	-	
Good Hope	Payne	Adams Group	Ç.	imp Mansileid. Joker
Commander	Last Chance	Goodenough		Joker Erie.
Velvet	Ruth	Canadian Group	Arlington	Singleheart
Grand Prize	Trade Dollar	Palmetto	Second Relief	Waffer
Iron Herse				Sunshine
	•	Heather Bell		Deer Trail
		Vuiture		Ontario
	Reco	Corie		Bella & Rosa
		Supshine		Salmo,
				Yellowstone
				Salmo Con,
**		=		Trout Lake.
		D.		St. Elmo
	Madded Civil	Stocan City.		
	Shipping.	Developing.		Beatrice
		Arlington		Silver Queen
		Two Friends		Nettie L
	*****			Towser
			-	- carety delicated delicates
			THE	BOUNDARY.
		•	For particul	lars as to mines operat-
reitel.	Diane D	Golden Wedge	roi particul	
	Giant Nickel Plate Josie No. 1 Snowshoe Msacot Lily May Monte Christo Honestake R. E. Lee Goopher Gertrude Good Hope Commander Velvet Grand Prize Iron Horse Victory - Trumph Novelty Keystone Iron Colt Virginia Big Four Jumbo White Bear Abe Lineoln Anaconda Con Joseph Leiter Wallingford Annie Jo-Jo Coxey Eureka Leiter	Giant Niekel Plate Josie No. 1 Snowshoe Msacot Lily May Monte Christo Homestake R. E. Lee Good Hope Good Hope Commander Velvet Grand Prize Iron Horse Victory - Trumph Novelty Keystone Iron Colt Virginia Big Four Jumbo White Bear Abe Lineoln Amaconda Con Joseph Leiter Wallingford Annie Jo-Jo Coxey Eureka	Content Cont	London Con.

			r	rooten	ay M
ping.		MINING	STOCKS.		
			B. Cent.		
ngs.		Сотраву.	Capital.	Par Value.	Price
		TRAIL CREEK,			
			\$1,000,000	81	\$0 4
		AlbertaBaltimore	1,500,000	i	\$0 ±
gh		Big Three	3,500,000	1	14
		British America Corporation Bruce	7,500,000 1,000,000	1	4 55
		Butte	1,000,000	i	2
1		Caledonia Con	1,000,000	!	e
Hills		Canada Western	1,000,000	1 -10	7
		Canadian Gold Fields	3,300,000	1	'
irl		Commander	500,000	1	10
		Deer Park	1,000,000]]	l a
		Enterprise	1,000,000	1	20
		Evening Star	1,000,000	i	1
		Fourteen Gold	5,000,000	1	2
		Georgia,	1,000,000	1	11
lies	1	Gertrude	500,000 500,000	li	1 14
ti <i>'</i>		Golden Drip	1,000,000	i	1 3
am_		Giant	1,000,000	!	.
		Good Hope	1,000,000		1
		Grand Prize	1,000,000 1,000,000	;	
•		Hattie Brown	500,000	1	
		High Ore	1,000,000	l i	15
Nellie		Iron Colt	1,000,000	1	
······································	1	Iron Horse Iron Mask I, X. L.	1,000,000 500,000	li	6
		I. X. L.	1,000,000	5	10
		Jumbo	500,000	, 1	2
		Le Roi	£1,000,000	£ 5	£9 \$0 20
lle		Lily May	\$1,000,000 1,000,000	l i	18
	7	Mabel		l i	10
	4	Monarch	750,000	!	1-
Star		Monita	750,000 2,500,000	1	1:
,		Monte Cristo Montreal Gold Fields			`
		Mugwump		125	
		Nest Egg-Firefly	1,000,000	!!	1
	1	Northern Belle	1,000,000 1,000,000	1 1	1
ern		Novelty Poorman,	500,000	l i	1.
	4	R. E. Lee	2,000,000	1	1
		Red Mountain View	1,000,000		1
		Rossland, Red Mountain	1,000,000	i i	11
		Salmo Con	1,000,000	i	4
	¥	Silver Bell Con	500,000	125	1 4
t		Silverine	500,000 1,000,000	120	
1		Victory-Triumph Virginia	1,000,000	i	1
,		War Eagle Consolidated	2,000,000	1	3 61
		White Bear	2,000,000	1	1 3
eL		NELSON, SLOCAN, AND AINSWORTH.			
		American Boy	1,000,000	1	11
e		Arlington	1,000 000	1,0	6
		Argo	100 000	10	34
1		Black Hills	100,000	-10	10
		Buffalo of Slocan	150,000	-10	1
		Dardanelles	1,000,000	1 !	11
1		Dundee Dellie	700,000	1	23
		Exchequer	1,000,000	1	12
		Fern Gold	200,000	-25	35
		Goodenough	800,000	ļ	[1
		Gibson	650,000	l e 1	17
	I	Hall Mines	£ 300,000 \$1,250,000	£1	8
		Lerwick	1,500,000	i	10
·rn(-		Leviathan	2,000.000	1 25	4
	i i	London Con	150,000		38

_				
1	Minnesota	81,000,000	21	80 66
١	Nelson Poorman	250,000	-25	20
:	Noble Five Con	1,200,000	1	201
ł	Ottawa and Ivanhoe	1,000,000	i	124
1		3,000,000	1	3 45
1	Payne	1.000.000		31
١	Rambler Car			
	Reco	1,000.000]]	1
	Slocan Reciprocity	1,000,000	1	
	Slocan Star	500,000	-50	1 25
1	Santa Marie	1,000,000	1	5
	Silver Band,	250,000	-25	124
ı	Slocan Queen	1,000,000	1	10
1	Star	1,000,000	1	7
1	St. Keverne	1,000,000	1	45
	Sunshine	500,000	- 10	
	Tamarac	1,000,000	1	113
-	Two Filends	250,000	-30	1
	Washington	1,000,000	1	25
ı	Wonderful	1,000,100	i	3
	Wonderful	.,	٠.	•
	LARDEAU.			
	Lardeau Goldsmith.	200,000	1	4
		1,500,000	i	10
	Consolidated Sable Creek	1,500,000	l i	5
	Lardo-Duncan	1,100,000	١. ١	.,
	REVELSTOKE.			
	Carnes Creek Con	1,000,000	1	
	BOUNDARY CREEK.			
	Banner	100,000	10	5
	Boundary Creek M. M. Co	1,500,000	1	51
	Brandon & Golden Crown	1,500,000	1	27
	King	1,500,000	l i	2.5
	King	1,500,000	l i	96
	Knob Hill	1,000,000	l i	17
	Morrison		i	
	Old Irousides	1,000,000		1 13
	Pathfinder	1,000,000	1	10
	Pay Ore	1,000,000	1	7.
	Rathmullen	1,000,000	1	8
	Winnipeg	1,000,000	1	34
	,		1	
	CAMP MCKINNEY.			
	Camp McKinney Dev. Co	(100,000	1	23
	Cariboo,	1,250,000	1	1 25
	Fontenoy	1,000,000	l i	18
	O'Shea.	50,000	10	2
	Little Cariboo	100,000	10	2
	Mammoth,	50,000	-10	2
	Minnohuha		1	24
	Minnehaha	1,000,000		
	Sailor	1,250,000	1	15
	Shannon	50,000	5	3
	Waterloo	100,000	10	9
	Waterloo No. 2	50,000	-10	2
	(For live market quo	tatioas see pag	e 90).	





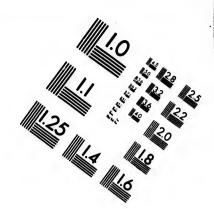
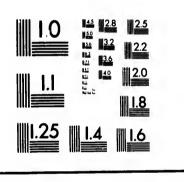


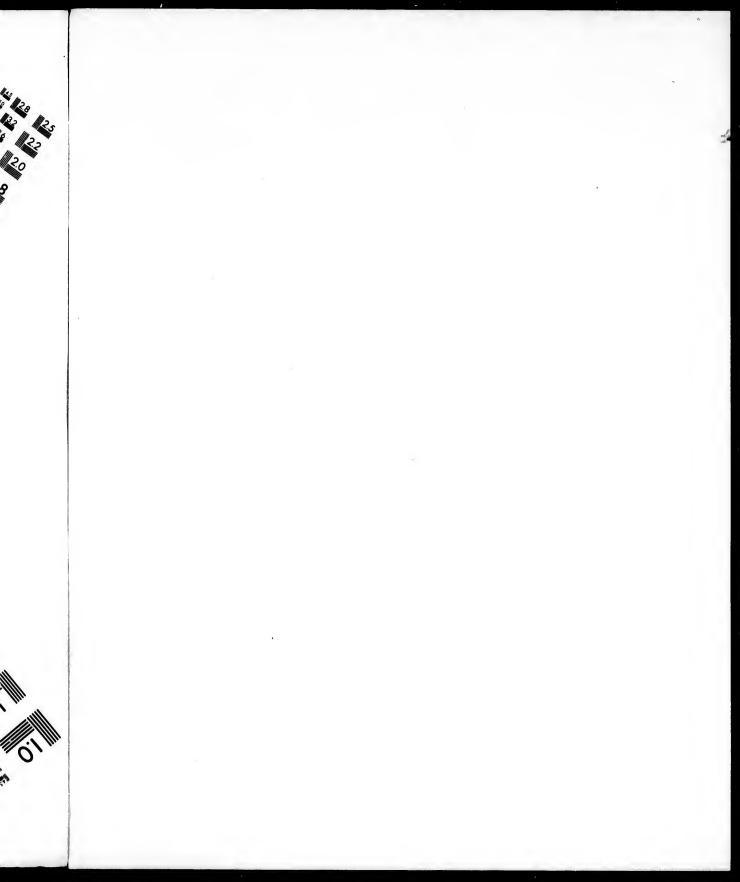
IMAGE EVALUATION TEST TARGET (MT-3)



Photographic Sciences Corporation

23 WEST MAIN STREET WEBSTER, N.Y. 14580 (716) 872-4503

STATE OF THE PARTY OF THE PARTY



MINING STOCK QUOTATIONS.

(Corrected for the KOOTENAY MINING STAN-DARD to July 39. American Boy..... Balthnore ... B. C. Goldfields..... Blg Three..... 147 Brandon & G. C..... Hen Hur..... 30 Butto & Boston..... Cartboo, (Camp McKluney)...... 1 16 'ommander..... 12½ Canadian Gold Fields...... 7 1 Canada Western..... 15 Doer Park..... Dardanelles 12 Dundeg..... 154 Evenlug Star..... t0 Eureka N Star Fairview...... 11 Gertrude..... 11 Good Hope... Grand Prize..... Gopher..... Homestake 94 Iron Colt..... Iron Horse..... Knob Hill..... 90 Lone Plac..... 20 Montreal Red Mountain 28 Morning Glory..... to Morrison 11 Mil'er Creek 9 Monte Cristo 94 Ingwump 6 Northern Belle 34 Netson-Poorman 21 Old Ironsides..... 1 00 Okanagan..... 15 Pathfinder 15 Princess Mande 4½ Poorman 12 Qulip..... 16 Rambler Cariboo 27 It. E. Lee... 3 San Poll. 70 Smuggler.... 1 Silverine..... Slocan Star...... 1 50 Smuggler 4 St. Elmo.... Vletery-Triumph 5½ Virginia..... 18 War Eagle 3 07 White Bear..... 5 Wonderful...... 2 Waterloo, Camp McKinney..... Winnines M & S..... 32

Kaslo & Slacan Railway; International Navigation & Trading Co.

Scedule of Time. Pacific Standard Time. EFFECTIVE JUNE 19--'99.

KASLO & SLOCAN RY.

Passenger train for Sandon and way stations, Leaves Kaslo at 8:00 A. M. daily Iteturning, loaves Sandon at 1:15 P. M. arriving at Kaslo at 3:55 P. M.

International Nav. & Trading Co.

Operating on Kootenay Lake & Itiver. S. S. "INTERNATIONAL."

Leaves Kaslo for Nelson at 6:00 A. M., dally Returning, leaves Nelson at 4:30 P. M., calling at Balfour, Pilot Bay, Alnsworth and all way points.
Connects with Str. Alberta to and from Bon-ner's Ferry, Idaho; also with S. F. & N. train to and from Spokane, at Flve mile Point.

S. S. "ALBERTA."

Leaves Nelson for Bonner's Ferry, Tuesdays Thursdays and Saturdays at 7 A. M., meeting steamer "International" from Kaslo at Pilot Bay, Returning, leaves Bonner's Forry at 750 A. M. Wednesdays, Fridays and Sundays; con-necting with Str. International, for Kaslo, Lardenu, and Argenta. Direct connections made at Bonner's Ferry with Great Norrhern Italiway for all points east and west.

LARDEAU-DUNCAN DIVISION.

Steamer International leaves Kaslo for Lardeau and Argeota at 8.45 p. m., Wednesdays and Fridays.
Steamer Alberta leaves Kaslo for Lardeau and Argenta at 8 10 p.m. Sundays.
Steamers call at principal landings in both directions, and at other points when signalled. Tickets sold to all points in Canada and the United States.
To escertain rates and full information, address

address ROBERT IRVING, Mgr., Kaslo, B. C

ORE SHIPMENTS.

Shipments via. Nakusp for the m July were as follows:	onth of
	Pounds.
Mine. Destination. Bosum San Francisco	. 10,720
Potal	40,720
Following are the ore shipments month of July via. Kaslo:	for the
Mine. Destination.	Pounds.
Trade Dollar San Francisco	
Sapphire "	30,000
Whitewater Gt Falls	330,000
Itambier Everett	90,000
Wonderful Treonia	. 40,000
Sample "	. tā0
A. It. Browne Ellesmer, Eng	
SampleSpokane	125
Total	.020,836
The following are the shipments of citossland for the month of July	ore from
Le Rol	. 5,379
War Eagle	
Iron Mask	. 510
Centre Star	2526
Evening Star	203

These tigures bring the totals for the year up to 1st of July to something close on 48,000 tons.

Kootenay Ry. & Nav. Co. Canadian **Pacific** Railway

And SOO Line

Imperial Limited, NEW FAST EAST NEW FAST WEST

OPTIONAL ROUTES

East from the Kootenay Country. First-Class Sleepers on All Trains from

Arrowhead and Kootenay Landing.

TOURIST CARS Pass Revelstoke daily for St. Paul

Thursdays for Montreal and Boston Tuesdays and Saturdays for Toronto,

2 Trains Daily To and From Robson & Nelson. 2

7 00 o'clock Lv. Rossland. Arr, 11 00 o'clock. 15 20 o'clock Lv. Rossland. Arr. 19 40 o'clock.

Morning train daily for North and Main line, and (except Sunday) for Kaslo. Afternoon train daily for Crow's Nest Pass hee, and (except Sunday) for Sandon and Slocan points.

ROSSLAND TO

Toronto 92 Hours. Montreal 96 Hours. New York 108 "Winnipeg 52 "Stancouver 30 "Victoria 34 "

4 Hours from Rossland to Nelson.

For Rates and Full Intermation Address the nearest Local Agent or

A. B. MACKENZIE, City Tkt Agt | Rossland P. G. DENISON, Agent, E. J. COYLE, W. F. ANDERSON, Trav. Pass. Agent. A. G. P. A. Vancouver. Nelson.

Spokane Falls & Northern

Nelson & Fort Sheppard R'y.

Red Mountain Railway.

The Only Direct Route to Nelson, Kaslo, Kootenay Lake and Slocan Points.

Every day in the year between

SPOKANE, ROSSLAND & NELSON.

LEFECTIVE 12:01 A. M., JAN. 3.

LEAVE.	DAILY,	ARRIVE.
8:30 a. m	. Spokane Northport	6:30 p. m.
1:55 p. m	Northport	1:00 p. m.
Arrive 3:10 p. 3	mRossfandL	eave 11:55 a. m.

No change of cars between Spokane and Rossland.

Tickets on sale all over the world Close connec lons at Nelson with steamers for Kaslo and all Kontenay Lake points. Passengers for Kottle Itlver, Boundary Camp and Boundary Creek connect at Marcus and Bossburg with stage daily.

e. W. Ruff, Agent, Rossland, B. C. Seatle & Dewas, Agent, Trail, B. С. C. G. Dixon, G. P. T. A., Spokano, Wash,

THE special

The B

THE Coloni

THE

Publis

1-8

Eπ

Ore

Th

ed.

from

ng.

Paul

ston nto,

SON. 2 clock. clock.

and for for

cept ints.

lours.

son.

Ad-

sland

er.

rn

ıslo.

N.

VE.

• m >, m, •, m, •, m,

ners

ash.

The British Columbia Review

AND

NORTH-AMERICAN MINING JOURNAL.

A Weekly Review of Canadian Mining, Trade and Pinance.

THE B. C. REVIEW gives reliable information upon the movements of Mining Stocks in England and Canada, and its comments thereon are absolutely impartial. It speaks with special authority upon all City matters connected with British America.

THE B. C. REVIEW is frequently able to give special and exclusive information of great value to investors and mining men generally. Annual subscription, post free; 10s. 6d.

THE B. C. REVIEW will reproduce the July Annual KOOTENAY MINING STANDARD with all its artistic effect.

Advertisement and Editorial Offices 65 New Broad Street, Corner of London Wall, London, E. C.

Published every Saturday. Price 2d. By post 2 1-2d.

Cablegrams: JUGATOR.

SPECIAL OFFER TO ADVERTISERS.

							PER MON	TH				PER	MONTH
		<u></u>			O	N SIX	MONTHS	CONT	RA	CT.	ON	YEAR	CONTRACT
1	PAGE		-		-	-	\$16.00	-		-	-	. \$	12.00
1-2	"			-			10.00	•	-	-		-	7.00
1-4	"		-		-	-	7.00	-		-	•		5.00
1-4 1-8	6.6			-		-	5.00		-	-		- 1	4.00

GEORGE PURGOLD.

Stock and Share Broker.

Wallace Building.

Columbia Avenue

ROSSLAND, B. C.

P. O. Box 73. Cable Address, "PURGOLD."

Codes, A. B. C., Fourth edition Moreing and

Neals, Cloughs and Bedford McNeills.

CUNLIFF & ABLETT.

Rossland Engineering Works

Engineers,



Founders,

Machinists.

Boilermakers.

All Classes of Repairs and Construction Work Undertaken.

Ore Cars, Wheels and Axels, Ore Buckets, Fans, Shafting, Hangers and Pulleys. Pipe Work a Specialty.

AGENTS: Wm. Hamilton Mfg. Co., Peterboro', Ont. Nordway Pump Works, Toronto PUMPS ALWAYS IN STOCK.

Third Ave..

ROSSLAND, B. C.

C. O. LALONDE, The Leading and Pioneer Shoe Store

ROSSLAND, B. C.

FINE FOOTWEAR A SPECIALTY. The very best makes of MINERS' and PROSPECTORS' SHOES Always in Stock.

MAIL ORDERS PROMPTLY ATTENDED TO.

106 WEST COLUMBIA AVENUE and 111 EAST " "

D. E. KERR, D. D. S

ROSSLAND, B. C.

Expert Dentistry in all its Branches.



may be made by Letter or Telephone from neighboring towns



DIAMOND-POINTED CORF DRILLS

Prospecting Mineral Lands and Developing Mines.

MACHINES # CAPACITIES.

American Diamond Rock Drill Co.,

Halcyon Springs.

HOTEL and SANITARIUM.

A Beautiful Pleasure and Bealth Resort on the Arrow Head Lakes.

SPLENDID PLUNGE BATHS.



IS HIGHLY RECOMMENDED BY THE BEST MEDICAL EXPERTS.

FOR ROOMS AND WATER ADDRESS

ということにはいいっというとして

MANAGEMENT. HALCYON SPRINGS.

HALCYON, B. C.



OES

nds

ES.

0.,

RK.

ancouver____ Hardware Co., Ltd.

Shelf and Heavy Hardware.

> Paints, Oils, Plumbers' Supplies, Miners' Supplies. Stoves. Tinware.

Baker St.,

Nelson.

P. BURNS & CO., Wholesale and Retail Meat Merchants.

Wholesale Markets at Nelson, Rossland, Sandon and Greenwood.

Nelson, Trail, Ymir, Kaslo, New Denver, Sandon, Silverton, Cascade City, Grand Forks, Midway, Greenwood and Sirdar.

Orders by Mail Promptly Forwarded. HEAD OFFICE, NELSON, B. C.

For Fine Wines

Choice Brands of Cigars

address-

CALIFORNIA WINE COMPANY.

NELSON.

B. C.

The Vancouver Ore Testing Works. W. PELLEW-HARVEY, F. C. S.

ESTABLISHED 1890.

Mining Engineer Assayer and Analytical Chemist.

Specialty Made of

Advising on Ore Treatments, Checking Smelter Pulps, Concentration, Cyanidation and Milling on a practical scale up to two tons.

Agent in Canada for MESSRS. VIVIAN & SONS, SWANSEA. THE ELLIOTT'S METAL CO., LTD., BURRY PORT. THE MCARTHUR-FORREST CYANIDE PROCESS, GLASGOW.

FOR MANY YEARS WITH MESSRS. VIVIAN & SONS, SWANSEA VANCOUVER AND VICTORIA, B. C. Furnaces, Balances, Scales, Weights, Etc.

MINE AND MILL SUPPLIES. CHEMICALS. CHEMICAL GLASSWARE. ETC.

JOHN TAYLOR & CO.,

Write for Prices.

63 FIRST STREET, SAN FRANCISCO, CAL.

GOLD COMMISSIONERS AND MINING RECORDERS Name of Gold Address Mining Div. Name of Recor. Address Commissioner East Kootenay-Donald J Stirret Golden F C Lang Golden Windermere. G Goldie. Windermere. Fort Steele. C M Edwards. Fort Steele. M Phillips. Tobacco Plains. J E Griffith.., Donald, JF Armstrong Fort Steele. West Kootenay H R Coursier, Revelstoke. Lardeau. Lardeau. Trout Lake. T ' Havlor . Trout Lake. Slocan . . . A McInnia . New Denver. Slocan City... H PChristie . Slocan City. Arrow Lake. F G Fanquier. Nakusp. Ainsworth . John Keen . Kaslo. Nelson . D A McBeath Nelson . Trail Creek . J Kirkup . Rossland . Goat River . M Murphy . Kuskanook . Trout Lake ...

≪E. A. HAGGEN.>>

Assayer, Notary Public, Mining. Financial and Commission Agent

GOLDEN, B. C.

Properties Examined and Reported on. A Thorough Knowledge of East Kootenay,

Cable Address: "Kanagan", Golden. Codes: Moreing and Neal, and Bedford McNeill.

W. H. PAUL & CO., STOCK BROKERS.

Nelso J Kirkup.... Rossland

Jno A Turner.

We deal in all Standard Stocks of the Rossland, Boundary, and Republic Camps. Write for our Weekly Price List.

CORLESPONDENCE PROMPTLY ATTENDED To. Room 68, Canada Life Building, MONTREAL, QUE.

TELEPHONE 62. P. O. BOX 756. PLEWMAN. RICHARD STOCK BROKER.

Tel. and Cable Address, "Plewman, Rossland. Clough's and Bedford McNeill's Codes.

Companies Incorporated. Stocks of Merit Bought and Sold for Clients only. WeeklyStock Letter Issued Mondays. Mailed Regularly on Application.

Official Broker Official Broker
The Baltimore Gold
Mining and Development Co. The
Winnipeg Mining & Smelting Co.
B. C. Mining
Properties For Sale.

NO. 3 IMPERIAL BLOCK.

ROSSLAND, B. C. Promoters Shares in Mining Companies.

Promoters Shares in Mining Companies,
If the properties they are based upon are
well selected, pay enormously upon small investments, while possible losses are trifling.
I offer such shares in two recently organized
syndicates, whose properties are vested in
trustees, soon to be incorporated, and in two
aiready incorporated, that have a few shares
for sale for development purposes. The prices
are very low considering the favorable reports
from the results of work so far accomplished.
One of these, on the famous "Lime Dyke"
ledge, Trout Lake District, B. C., will ship excativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se soon as the C. P.
cativally high grade or se

looking Armi character, and constitution of these propositions is seriously advised, and an opportunity for submitting details solicited. GEO. K, MORTON, Private Banker.

St. Thomas, Ontario. R. M. GROGAN.

The B. C. Assav & Chemical Supply Co.. Ltd

(Late MacFarlane & Co.) VANCOUVER. B. C.

WE ARE MANUFACTURERS AND DIRECT IMPORTERS.

And carry a Large Stock of

Balances, Furnaces, Fire Clay Goods, Scientific and Practical Books, Glassware, Platinum Goods, Acids, Chemicals, and all other Assayers' and Miners' requirements.

MORGAN CRUCIBLE COMPANT, BATTERSEA, BECKER'S SONS' BALANCES. ETC Catalogue and full particulars sent on application.

ROLT & GROGAN,

Mining & Investment Brokers

P. O. Bex 428.

Bedford McNelll. Clouch.

Columbia Avenue

Rossland, B. C.

G. W. MCBRIDE.

WHOLESALE AND RETAIL

HARDWARE MINE SUPPLIES.

Jessop and

Ganton Steel

T. Rails.

Iron Pipe,

Bar Iron,

B. S. Goal.

AGENT;—Imperial Oil Co's. Lubricating and Illuminating Oils; Mission Candle Works' Miners' Candles; Canada Paint Co's. Painters' Supplies.

ROSSLAND, B. C.

WEST KOOTENAY POWER AND LIGHT COMPANY,

-LIMITED-

Head Office and Distributing Station,
Generating Station,

ROSSLAND, B. C. BONNINGTON FALLS.

Estimates Given for Supplying Power

FOR THE OPERATION OF-

Hoists, Compressors, Blowers, Sinking Pumps,
Crushers, Lights,
AND ALL OTHER SMALL POWERS.

Rossland Warehouse Transfer Co.

WILL MOVE OR WAREHOUSE ANYTHING.

DEALERS IN

LIME, CEMENT, BRICK, PLASTER, BUILDING TILE, DRAIN TILE, COAL, HAY, OATS.

THE BEST WAREHOUSE FACILITIES IN KOOTENAY.

Will Clear and Distribute or Warehouse as Required by Shipper Any Class of Goods. Insurance if Desired on Storage upon Application.

REFERENCES

BANK OF MONTREAL.
MARTIN BROS.



T R. MORROW.

Wholesale & Retail Druggist.

ROSSLAND, B. C.

Has a Complete Stock of Assayers, Photographic and Artists Supplies.

Our Goods Are Right.

Our Prices Are Right.

THE LARGEST STOCK OF DRUGS, TOILET ARTICLES, ETC. IN KOOTENAY.

Davidson's Headache Powders Sure Cure For MINER'S HEADACHE.

WRITE FOR PRICES

25 PER CENT. REDUCTION SALE.

Crockery. China and Glassware,

Plates, Cups, Saucers, Cake Plates, Salad Bowls, Mush Sets, Mush Bowls, Sauce Dishes, Glass Bowls Low and Footed, Goblets, Tumblers, Vases, Etc., Etc. Lamps and Tinware, Heavy Hotel Ware. A Full Line of Bar Goods.

CONSISTING OF

O. M. FOX & CO.,

Columbia Ave, and Lincoln St.,

ROSSLAND, B. O.

JAS. HUNTER.

MINING SUPPLIES.



Canton Steel. Ensign Bickford's Patent Fuse, Giant Powder, Giant Caps. Goodwin Candles. Verona Mining Tools,

Pipe Fittings,

Steam Fittings.

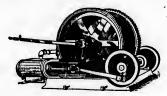
ROBT. HUNTER.

A Complete Stock of Steel Rails, Mining and Building Hardware, Wholesale and Retail Groceries, Men's Rubber Boots and Rubber Clothing.

UANADIAN RAND DRILL (10. THE REFERENDUM FREE GOLD

Jenckes Machine Co.

ROSSLAND,



Mining and Milling Machinery, Compressors, Rock Drills, Boilers, Hoists, Pumps, General Mining Supplies.

COMPLETE STOCK ON HAND.

les,

o.

Write for Catalogue. F. R. MENDENHALL, Agent. SANK OF MONTREAL, ROSSLAND.

MINING M MILLING CO., LTD.

Capital Stock \$500,000, in 2,000,000 Shares of age. Each.

TO THE PUBLIC:—

We submit to you as a safe and profitable investment the first issue of 100,000 shares of the Referendum Free Gold Mining and Milling: Company, Limited, non-personal Hability. The capital stock of the Company is \$30,000 in shares of 25 cents par value, Of these 80,000 shares are set aside to be sold to develop further the property, and operate the mine.

The Company's property consists of the Referendum, Katle and Golden Cross mineral claims, situated on Forty-Nine Crock, about eight miles from the city of Nelson, B. Ca, and in the self-known free Referendum of the control of the control of the Referendum of the New York of the Referendum of the Crock, about the control of the Company of the Referendum of the Company of the Referendum of the Referendum of the Company of the Referendum of the Re

date. A second quartz vein, six feet in width, surface ore from which gave assays of \$5, crosses the property. Exploratory work on this vein is now in process. This vein promises to be a valuable one upon development. The Referendum Company share offers the following advantages: Ore body of value proven, plant arranged for at once, reduction of ore on the grounds, and ample treasury for further development. The first issue of shares is offered at five cents, payable in five equal monthly instalments. By statutory provision these shares are sold free from further personal liability.

Applications for stock, accompanied by remittance of first psyment, may be made through any chartered bank or direct to the undersigned.

E. N. OUIMETTE & CO..

BROKERS FOR THE COMPANY ROSSLAND, B, C.

Quick Work.

RED STAR LIVERY AND TRANSFER COMPANY.

Good Saddle Horses, Elegant Turnouts,

and Fancy Driving Teams

Will drive you anywhere, at any time, day or night. If you are getting up a driving party see us about rigs; Good Horses. Horses boarded by the day or month. Packing of all kinds done. We do Express and Baggage work, will call at any part of the city. Contract and job work done promptly, light or heavy freight handled, mining machinery delivered on short notice, ore contracts taken, furniture, pianos and safes safely moved. We pay all damage done to anything we handle. We act as shippers' agents. Will Transfer, Warehouse or Ship any class of goods.

WE SELL WASHINGTON SEASONED FIR AND TAMARACK WOOD.

STABLES, First Ave.,

TELEPHONE NO, S.

OFFICE, 9 Washington St.

Por

JOHN W. HARTLINE, Prop.

M. F. CHESNUT. PRESIDENT.

J. M. MILLER, SECRETARY-TREASURER.

THE PRIMROSE GOLD MINING COMPANY, LTD.

Capitalization 1,000,000 Shares, Fully Paid and Non-Assessable. 475,000 Treasury Shares. Par Value \$1 Each.

The directors of the "Primrose Gold Mining Company, Limited," are now in a position to announce to the stockholders of the Company, and to the mining public, that they have just succeeded in securing title to the "Grace C." and "Edna" mineral claims—two of the richest and most promising properties in the Lardeau-Duncan country.

Assays from these properties give the magnificent return of \$725.76 to the ton-Twenty-three per cent. of which is in Copper.

With these values on the very surface, and with two large and well-defined ledges running through the properties, the Company feels justified in declaring the "Primrose" an almost immediate producer.

The "Grace C." and "Edna" are located on the West Fork of the Duncan River, and within a haif mile of the splendid properties of the Old Gold Company, and in the immediate neighborhood of the Bad Shot, Abbott, Wagner, Bannoch Burn and Silver Cup mines, the ores from which are of high values.

The development work upon these properties has produced a splendld showing, considerable shipping ore having already been taken out.

The "Primrose Company" now owns seven valuable properties, five of which are on the North Fork of the Salmon River, one of the finest gold-producing districts in the Province.

The Company is out of debt, and has a good cash fund on hand. Work is being pushed on the property and will be continued vigorously during the summer.

NOTE THE FOLLOWING FACTS.

1. Three hundred and fifty acres of Valuable Mineral Lands. 2. Shipping Ore from the surface. 3. Development Work now being Vigerously Pushed. 4. No Debts, 5. No Salaried Officers. 6. Low Capitalization. 7. Large Treasury Fund. 8. Careful and Energetic Management.

Only a small block of stock will be sold at Ten Cents, when the price will be advanced.

J. M. MILLER. Secretary-Treasurer

P.O. Box 148.

ROSSLAND, B. C.

Gold and Silver Stocks.

For Reliable Information or Investments in Rossland, Boundary, Cariboo (Camp McKinney), Republic and Slocan Districts, Write or Wire

THE REDDIN-JACKSON CO.,

Limited Liability,

P. O. BOX 498.

St.

ER

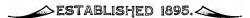
C."

perthe

ore the

op-

ROSSLAND, B. C.



Operating the Largest Brokerage Business in the North-West.

We are not Promoters or Interested in any Companies.

SC

3

C

SC

We Buy and Sell Stocks only on Commission.

REFERENCES:

CODES:

Bank of Montreal. Bank of Halifax. Bank of British North America.

ROSSLAND, B. C.

Clough's M. Code. Moreing & Neals. Bedford McNeill's. Leibers S. T. Code.

THOS. S. GILMOUR, ACCOUNTANT, MINING AGENT.

Stocks and Shares.

OPPICE OF The Homestake Mines, Limited.

R. E. Lee Gold Mines, Limited.

Gopher Gold Mining Co., Ltd. Lic.

Gold King Mining Co., Ltd. Lia.

Red Mountain View Mines, Ltd., (Non-personal Liability.)

Carbonate Silver Mines, Ltd., (Non-personal Liability.)

British Columbia Syndicate, Ltd. Lia.

British Columbia Gold Discovery Co., Ltd., Loudon, Eng.

Cable Address: "Whitehall,"

Code: Bedford McNeill.

ledg fam and

DO

ship

will

all

Pur

deh a g

Cor

011

Correspondence Solicited.

16 Columbia Ave., P.O. Box 88. ROSSLAND, B. C.

CHAS E. BENN.

J. L. PARKER.

J. L. PARKER & CO.

Columbia Ave.,

Rossland, B. C.

MINING ENGINEERS AND BROKERS

CABLE ADDRESS: "PARKER," ROSSLAND.

CODES; MOREING & NEAL'S, BEDFORD McNEILL'S, AND CLOUGH'S.

J. L. PARKER,

Consulting Mining Engineer for Dundee,
Tamarac and Fairmont

Properties Examined, Mines Managed, Standard Stocks Bought and Sold.

P. O. Box 64.

Telephone 83.

The Old Gold Quartz & Placer Mining Co., Ltd.

500,000 TREASURY SHARES. PAR VALUE \$1 EACH.

The Old Gold Quartz and Placer Mining Company's properties consist of eight claims (comprising about 420 acres of tich mineral lands) six of which are on the North Fork of the Salmon River, one of the most promising gold producing districts of British Columbia, and two within the Famous Lardeau-Duncau Country.

All of these properties have good ledges. The Lardean-Duncan properties have two large and well defined ledges, one of which is over 25 feet in width, and carry from the very surface more than three times the values of the famous Le Roi, and are located among such well-known properties as the Princose, Silver Cup, Bad Shot. Wagner, and Abbott mines.

The Company has just received the very satisfactory smelter test of ONE HUNDRED AND THIRTY-TWO DOLLARS AND EIGHTY CENTS to the ton from a recent shipment of ore from the property. The Manager of the smelter in sending the returns makes the following statement:--"This is an excellent grade of ore and should be shipped to great profit."

Development work is progressing on these properties and will be continued without interruption.

The Old Gold has a considerable amount of high grade shipping ore on the dump, a large amount in sight, and will commence regular shipments this summer.

We have every reason to believe that we will be able to take a sufficient amount of ore from the mines to pay all expenses of developing and operating the property from the time we make our first regular shipment,

NOTE THE FOLLOWING FACTS.

1. A large area of Rich Mineral Lands. 2. Low Capitalization. 3. Large Treasury Fund for Development Purposes. 4. Water and Timber in Abundance for all Mining Purposes. 5. No Salary to any Officer until the property becomes dividend paying. 6. A Careful, Economical and Honest Management. 7. The Company bas no debts; has a good cash fund in the Treasury; a large amount of unsold Treasury Stock; is working its properties with a good force of men, and is taking out high-grade shipping ore from the surface.

The above are some of the reasons why an investment in the shares of The Old Gold Quartz and Placer Mining Company at present prices is the most profitable that can be made in British Columbia.

A limited number of shares will be placed on the Market at Twenty Cents. The Company reserves the right to advance the price at any time without notice.

M. F. CHESNUT, Secretary-Treasurer,

P. O. BOX 148, ROSSLAND, B. C.

DANIEL DICKINSON.

eill.

WALTER L. ORDE.

DICKINSON & ORDE,

Mining and Stock Brokers.

Correspondence Solicited.

Our Weekly List of Stock Offerings with Market Report will be sent to any address on application. Trustworth information relative to B. C. Mining Stocks cheerfully given.

ROSSLAND,

B. C.

Cable Address: "NUGGETS."

Telephone 44.

KENNEDY, CRONYN & RACE,



27 Columbia Avenue, Rossland.

DEALERS IN

Mines, Stocks and Real Estate.

OFFICIAL BROKERS. ***



Dundee Gold Mining Co.
Fairmont Gold Mining Co.

Monarch Gold Mining Co.

Royal Electric Company

MONTREAL-Western Office: TORONTO.

Manufacturers of

Electrical

Machinery

AND

Apparatus for

Mining and

Transmission of

Power.

Our S. K. C. Two Phase System

PENDERS DISTANT WATER POWERS AVAILABLE FOR ALL KINDS OF MINING WORK.

Tramways

Compressors

Hoists

Fans

Locomotives

Stamps

Pumps

Drills

Write us your requirements and we will furnish you with estimates and plans.

GEO. C. HINTON, & CO., B. C. AGENTS, VANCOUVER.

The James Cooper Mfg. Co., Ltd.

Manufacturers. Under Patents

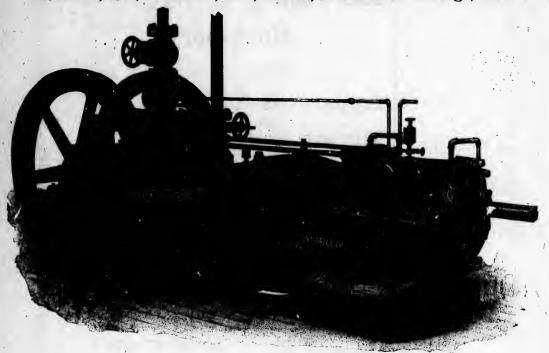
OF

INGERSOLL-SERGEANT MACHINERY.

Head Office and Works: Montreal, Canada.

BRANCH OFFICES:

Rossland, B. C., Vancouver, B. C., Halifax, N. S. and Rat Portage, Man.



MANUFACTURERS OF

Boilers, Air Compressors, Rock Drills, Hoisting and Winding Engines, Coal Cutting Machines, Channelling Machines and Machinery for the Milling and Smelting of Ores. Wire Rope, Ore Cars, Ore Buckets, Sinking and other Pumps. Stock carried in Rossland. Small Plants furnished immediately. Write for Catalogues and particulars to Head Office, or

JAMES D. SWORD, Agent,

Post Office Block,

TELEPHONE 60.

Rossland, B. C.

THE MAC MACHINE CO.,

LIMITED.

Head Office and Works Belleville, Ont. Branch Office and Works Trail, B. C.

MANUFACTURERS OF



AIR COMPRESSORS.

ROCK DRILLS.

HOISTING AND

STATIONERY ENGINES.

《※》



BOILERS.

ORE TRUCKS,

ORE CARS.

ORE BUCKETS, ETC.

<b

KNOWLES PUMPS.

Our Machine Shops at Trail are most complete, consequently we are in a position to handle all kinds of repairs.



J. B. Johnson & Co.,

DEALERS IN

MINES, STOCKS, REAL ESTATE, ETC.

Orders By Wire Promptly Attended To.



J. W. SPRING

THE LEADING JEWELER.

Diamond Importer, Manufacturer AND Watchmaker

A GOOD INVESTMENT.

Money paid for a Good Watch is always Well Invested.

Promptness and Punctuality are the Essence of
Business, and it is therefore necessary that a Business Man should have a Proper Timepiece.

We make it a point to have in stock Fine,
Reliable Timepieces. We also make a
Specialty of Fine Repairing, and if
your watch was ever affactinekeeper we can thorough
iy renovate it and
make it so again,

COLUMBIA AVE.

ROSSLAND, B.C.

FOR SALE!



Mines at Trail, Rossland, and Salmon Creeks, Deer Park, Murphy Creek, and all parts of the Columbia Basin.

WILL EXAMINE and REPORT on MINES

Can bring to bear the result of 28 Years' Experience in Mining.

E. S. TOPPING

TRAIL. - - -

THE TORONTO WORLD

Contains More Mining News than any other Eastern Daily.
It Reaches All Canadian Investors in Mines and Mining Stocks.

Subscription Rates:

Daily and Sunday Editions, \$5 00 a Year.

Daily Edition only, \$3 00 a Year.

Advertising Rates

Furnished on Application to

The World Newspaper Co., Ltd.,

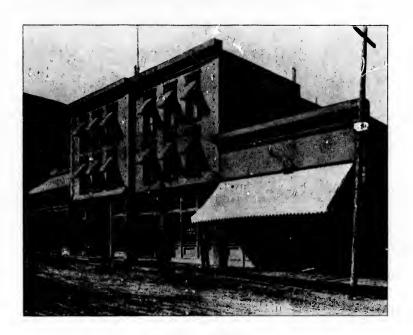
83 Yonge St., - - Toronto.

The Most Delightful

SUMMER RESORT

-IN----

KOOTENAY



KASLO HOTEL.

Every Accommodation for Tourists and Commercial Men. Situated on the Shore of Kootenay Lake.

Cockle & Papworth, Proprs.

Bourne Bros.

GENERAL



MERCHANTS

STORES AT

REVELSTOKE, NEW DENVER AND NAKUSP.

PATENAUDE BROS.

Watch Repairing Skilfully and Scientifically Executed.

We are thoroughly equipped with every facility for modern, up-to-date watch making.

SATISFACTION POSITIVELY GUARANTEED OR MONEY REFUNDED.

Our Optical Department is attended by an Expert of long experience. Fine Engineering Instruments Carefully Repaired.

PATENAUDE BROS.,

Nelson, B. C.

SMOKE

"ROYAL SEAL" AND "KOOTENAY BELLE" CIGARS.

UNION MADE BY THE

Kootenay Cigar Manufacturing Co.,

Nelson. B. C.

TELEPHONE 118.

P. O. ROX 128.

THE HALL MINES, LTD.

NELSON, B. C.

H. E. CROASDAILE, General Manager.

R. R. HEDLEY, Smelting Supt.

SMELTERS AND REFINERS.

PURCHASE

Gold, Silver, Copper and Lead Ores, and Concentrates,

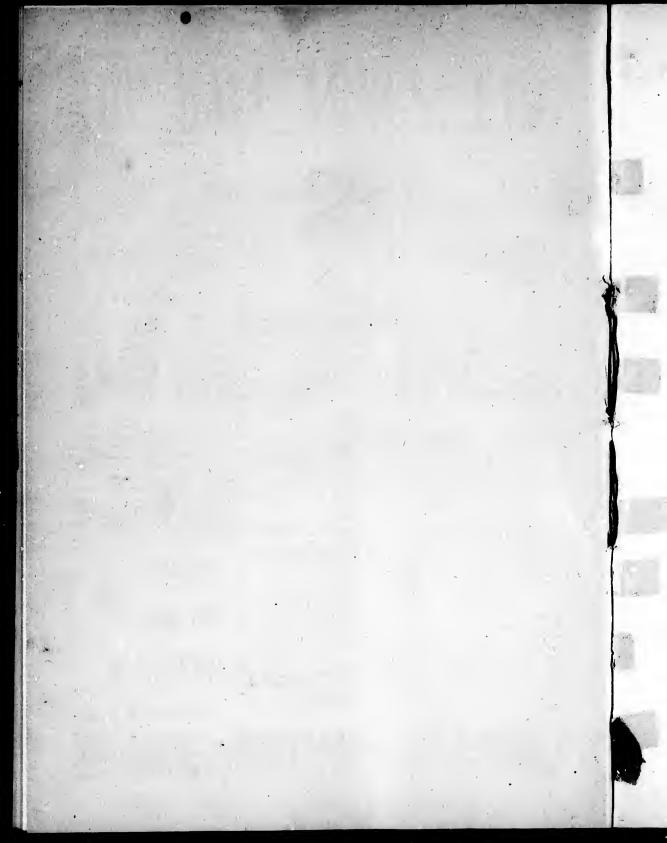
and Copper Matte.

General Offices and Smelting Works

NELSON, BRITISH COLUMBIA.

INDEX.

	P. 1 0 . 7	. '				•		
4	Abe Lincoln			Knob Hill	• "	•	75	St Eugene 65
-	Acrostic, "Kootenay Mining	٠.		Le Roi	•	- 59		Stemwinder 78
	Standard,"	-, 1	22	Lilly May !		•	18	Stock Quotations 90
	Ainsworth -		53	Lake Shore -		4.	65	Shipping Minea
	Arrowhead		55	Monte Cristo				Steamships
•	C. P. R. steamship			Middle Falls, Kootenay F	liver'			Trail, Town of
		•		Manufield Camp			58	Trail Smelter
1	3. A. C. Offices				•	•		
	3. U. Builion Extracting Co. W	orks	10	McGnigan	•	-		Three Forks 57
.]	Big Sheep Creek Gulley .	**	17	Moyle City -	-			Trout Lake 82
]	Bonnington Fails	-	19	Board of Trade	- ,	800	64	Virginia Mine 9
1	Bosnn Mine · · ·	-	47	Lake	-	-	64	Victory-Triumph Mine 17
	Burnt Basin · · ·		71	Miners' Cabins -		-:	60	Velvet Mine 17
	Brooklyn Mine	_	79	Morrison Mine				Volcanic Mine
	Joiumbia and Kootenay Mine		8	Mother Lode -		_	82	War Eagle Mine 9-10-11
			11	Mining Recorders			94	
	Jentre Star · · ·	. 0						
(Joxey - · ·	•		Mining Stocks -			89	Whitewater 50
. (Commander	-	8	Mining Machinery		- 86	78	Whitewater Mine 51
- (Jody	-	58	Nickle Plate Mine	-	-	8	Whitewater Deep 52
(ranbrook	_	66	No. 1		-	12	Wild Horse Creek
	Board of Trade -		637	Nelson · · ·			23	Winnipeg Mine , 81
			71	Street View		_	24	Ymir
	Cascade City	٠.		Lake View			24	
	Crown Grants		85			•		Merchant's Bank of Halifax 42
	Deerpark • • •	•	7	City Council		-	28	Ymir Mine 43
	Duncan Mines		27	Board of Trade	•	• 1	29	Board of Trade 45
	Dandy Mine · . ·		28	Imperial Bank		• 1	120	
	Dundee Mine		44	Bank of Montreal	-		30	
	Developing Mines · -		88	Bank of B. U.			30	The firm of Kennedy, Cronyn &
	Dividend-paying Mines .		85				30	Race has changed, the business now
		-		Bank of Halifax	•	•		being carried on under the name and
	Emily Edith Mine	•	40	New Denver -		-	46	
	Erie · · ·	-	.54	Bank of Montreal	•	•	46	title of Ernest Kennedy & Co. The
	Fort Steele	•	68	R. T. Lowery -	-	•	46	change in title does not affect the high
	Board of Trade .	•	69	Noonday -			48	standing of this well known Rossland
	Great Western		7	Nakusp -			56	office of brokers.
	Gertrude		12		_		49	
	Giant		12	Oliginal security	-		53	The B. C. Assay & Chemical Supply
	Gopher Tunnel		18	Ole manning tree	•			Company, Limited has taken over the
	-	•		Old IIIIDoldo	•	•	74	business formerly conducted by Messrs.
	Grand Forks	•	72	Ore our printing	•	-	90	MacFarlane & Co., at Vancouver (see
	City Council · -	-	73		ontisį	piece		advertising pages). A full line of
	Board of Trade -	-	74	Pioneer Train for Slocan		-	29	
	Merchants' Bank of Hal	ifax	72	Prospectors Tour	-	-	37	goods of the best quality is in stock.
	Residences		76	Parliament Buildings		-	83	
	Waterworks Offices		76	Queen Bess Mine	_		57	
	Greenwood	-	77	Kossland and Mines	•	•	3	
	City Council		78		•	•		\$
	Canadian Bank of Comr			Street View	•	-	3	
	Bank of B. N. A.	nerce		Buildings -	•		4	
		•	78	City Council		-	20	
	Golden Crown	•	81	Board of Trade			21	
	Gold Commissioners -		94	R E Lee Mine -			18	CTINDIDA
	Geological Formations .		85	Royal Canadian Mine	_		27	STANDARD
	Homestake Mine		18	Reco Mines			35	JIMIVARV
	Hall Mines Smelter .		25		•	•		
	•			Translituing, Orderer	•		36	
	99 A CVI 4		25	Itt vetatore	٠.	•	59	
	" " Early Shipments	•	26		-	-	60	DUDITCHING
	Halcyon Hot Springs .	•	54				61	PUBLISHING
	Happy Hunters		67				60	
	Introductory · · ·		1 2	Imperial Bank of	Canad	a.	60	
	Iron Colt		12	THIDELIER Dank of A	- territo		80	
	Iron Musk		13	Rathmanen		•		COMDANY
	Josle Mine		40	Italiways	-		85	· 1.171 III
			- 1	Smelter, Northport	•	• ,	16	
	Jumbo Mine		12	Dunoce titt			18	*
	Jackson Mine · · ·	•	50	Silver King Tramway	-		26	*** *** *** *** *** *** *** *** *** **
			31				26	
	Kootenay Indians	•					31	
	Kootenay Indians		39	Slocan City .				NOODLAID. D. C.
	Kaslo :		39	Ditte an only	•	•		
	Kaslo : Board of Trade .		39 41	Sandon	:		34	
	Kaslo : Board of Trade City Council		30 41 40	Sandon City Council	:		34 38	
	Kaslo :		39 41 40 41	Sandon City Council Bank of B C	:		34 38 38	en a
	Kaslo : Board of Trade City Council		39 41 40 41 62	Sandon City Council Bank of B C	:	(.	34 38	******************************







PETERBOTA, ONTARIO.

DUILDERS OF

MADERN MINING MACHINERY.

Contractors for the Design and Construction of Complete Stump Mills, Concentration, Chlorination, Cyanide and Specific Equipments.

Sole Agents to John Bertran & Sons' Iron Working Machinery, MacGregor, Gourlay & Co's. Wood Working Machinery, R. Hoe & Co's. Celebrate Unserted Tooth Saws,
M. Beatty & Son's Dredging Machinery.

BRANCH OFFICES: VANCOUYER, ROSSLAND " GREENWOOD, B. C.

