ptember 4, 1902

nner, and con se, as if each of ned the objects and independent

EDITORS

of the Town of Northwest Terriof the Northwest cial District of

"Judicature Orthe matter of a for the benefit of e 8th day of Aug-in Frederick M. wn of Edmonton, Territories, Mersignor, and James and trustee.

en that pursuant Hon. Mr. Justice nd dated the 11th all creditors and against the trust ed, are required ve named trustee the trust estate, declaration, tont of the securithem, addressed Esq., Trustee of rick M. Shoults, on. N. W. T.," on of October, 1902. y given that, purns of the said " at the expiraed as aforesaid the t liberty to distrior any part thereof entitled thereto, claims of which James J. Dunlop. he, the said trusable for the trust reof so distributed nose claim he, the ot have had notice distribution of the part thereof n this 15th day of

ROBERTSON the Said Trustee.

IMPROVEMENTS.

claim, situate in g Division of West Where located: Adys, about one-half international boun-Northport road. I, N. F. Townsend, M. Edmondson, free No. B 56835, intend, date hereof, to apecorder for a certients, for the purcrown grant of the

notice that action. must be commenced e of such certificate

lay of August, A. D. F. TOWNSEND.

IG GOES ON. fell in the Red River

While reduced freight and treatment | carry itself through the smelting oprates, together with concentration me-thods, are attracting special interest in such excess as to permit of a certain quantity of stillotous ores being thods, are attracting special interest carried through at the same time.

in the Rossland camp it is probable that another method of ore treatment As the ores of the Boundary form -a pyritic smelter-will be achieved in an ideal self-fluxing ore when smelted on a copper base, so does the product of the Kootenay mine form a perfect the Golden City in the near future.

Per Year \$2.50.

PYRITIC SMELTER

FOR KOOTENAY MINE

Treatment by Pyritic Smelter

-Costs Will Not Exceed

\$2.00 Per Ton.

mine in this camp is not in the adap- subhide. tability of the ore for treatment in a . The people of Rossland will undoubt-preliminary stage by concentration, edly be delighted to learn that the almost inexhaustible bodies of low grade nor because of any merit the ore may auriferous pyrites blocked and now possess as a lead flux-pyritic smelting gives the entire answer to the being developed in the Kootenay mine are ideal for pyritic smelting. Smelting of ores is done by three well known The undoubted fact that the Koot-

has naturally created more than ordinary interest generally in the question of its treatment when the proprietary company decides that the juncture is ripe to reap the results of its extensive been suggested that when concentration was finally evolved the Kootenay mine would profit from this initial in which is concentrated the gold and process of treatment, and in another quarter it is stated that the special Copper smelting produces a copper

enay mine contains great ore reserves methods: Smelting with a lead base. Smelting with a copper base. Smelting with an iron base. In these processes the lead, copper or iron, respectively, is the collectprogram of development work. It has ing base for the precious metals. Lead smelting, on account of the excess of lead in the charge, produces lead bullion

silver originally contained in the ore. utility of the ore will be found in its matte, which contains from 40 per cent value as a lead flux. Neither deduction to 5 per cent of copper and the gold and silver originally contained in the is correct. The ore blocked out in the Kootenay ore. Pyritic smelting concentrates in an

mine constitutes an ideal product for Iron matte the gold, silver and copper originally carried by the ore. treatment by the pyritic smelting pro-Lead smelting is very expensive on cess-a process with which all old account of the fluxes of lime, iron and miners are familiar with as being in successful operation in Colorado and silica and high percentage of coke reother states where ores similar in na- quired for the operation. Copper smeltture to that of the Kotenay mine are ing is very expensive on account of found in equal quantities The char-acteristic of ores amenable to treat-of coke necessitated. The Northport ment by the pyritic system is an exsmelter, for instance, uses 36 per cent cess of iron sulphide sufficient to make to 39 per cent of lime, and 20 per cent to the ore self-fluxing by reason of its 24 per cent of coke, while at other sim iron contents, and, even more import- ilar plants the percentages vary some ant from the standpoint of economical what, but are always high. In pyritic treatment, sufficient sulphur to furnish smelting these charges for lime, iron fuel with the assistance of the hot blast apparatus. In the reduction of uced as to be next thing to eliminated. While duced as to be next thing to eliminated

such ores the 15 or 20 per cent coke or- -two per cent taking the place of the dinarily employed to supply fuel is high percentages employed in other replaced by about 2 per cent coke, and systems of smelting. the sulphur contained in the ore fur-The ores of the Kootenay mine ca be smelted att a cost not to exceed \$1.75

nishes the balance of the fuel. Such an ore is the product of the Kootenay mine. In fact the ore is above of treating Boundary ores. The propothe ideal in respect to pyritic smelting sition is extremely interesting throughhids fair to h within itself the self-fluxing and heat- ant feature of the interior economy of to the Rossland camp. producing constituents necessary

ROSSLAND, B. C., THURSDAY, SEPTEMBER 11, 1902

ROSSLAND WEEKLY MINER.

Rossland Company Lucky in Lardeau A SHRAGE

Ore in Kootenay Mine Is Ideal For

Some \$4000 was expended by the origin-

The solution to the problem of util-izing the immense ore reserves blocked out in the workings of the Kootenay because of its heavy excess of iron because of its heavy excess of iron because of its heavy excess of iron al locators. The ledge is 30 inches in width near the surface, and the ore is galena.

About Rossland Miles

Reports direct from the Lardeau would seem to indicate that the Cari-boo Creek Development Syndicate, of this city has made an exceedingly lucky strike in acquiring the Mohican group of claims on Gainer creek, the purchase of which has just been concluded by the syndicate. The negotiations were con-cluded on the strength of a report by syndicate. The negotiations were con-oluded on the strength of a report by two members of the corporation who inspected the group in person, and sampled the vein for the purpose of securing assays. The property is sixteen miles north-east of Trout Lake City, ten miles of the distance being covered by a much-traveled wagon road and the balance by a good pack trafl, over which it will be possible to ship the high grade ore present on the claims. The main lead extends across all three claims, having been opened up at intervals with cuts. Some \$4000 was expended by the origin-

be sacked for shipping.

Crow's Nest Coal Co. Not. Supplying sufficient For the Needs of the Northport Smelter--Only Sixteen Cars

Seventh Year, Number 46

John H. Mackenzie, general man- just where the Northport smelter's ager of the Le Roi Mining company coke is being sent, but the diversion is and Northport Smelting company, left apparent.

last night for Fernie to personally take up the coke question with the manage-ment of the Crow's Nest Coal company now pro-ment of the Crow's Nest Coal company now pro-ment of the Crow's Nest Coal company now pro-ment of the Crow's Nest Coal company. Does to raise the price of coke to the The problem has assumed features that Northport Smelting company. The are interesting from the standpoint of plant has suffered heretofore in con-those who delight in the analysis of nection with its coke supply by reason those we company the standpoint of the tot tot tot. knotty problems, and that are serious of the fact that the haulage of coke from the viewpoint of citizens of Ross-land generally. originated on the lines of the Cana-dian Pacific, and that, railroad has aland generally. It would seem as if the Crow's Nest ways adopted the rule that they were

sion of operations on Labor Day and the restricted output on the following day. These deductions will bring the Le Roi's output to about 3500 tons. Shipments from the No. 1 dump at the Le Roi, have also been exceedingly ight, and this will probably be the light, and this will probably be the

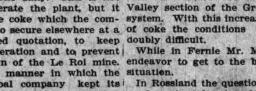
light, and this will probably be the case for some months to come. It is understood the mine will sort such dump ore as is shipped and reduce the quantity to a couple of cars a day, or approximately 250 to 300 tons weekly. The Le Roi No. 2 worked the full week, and its output will be in the neighborhood of 1500 tons. The War Eagle and Centre Star were especially active this week, sending out

plant is securing an adequate supply the discrimination against the North-of coke, but there has been no develop-ment in the situation that would pre-tween the Great Northern and the vent the Crow's Nest Coal company Canadian Pacific, which has been wag-from fulfilling the compact into which they entered some weeks ago. The fact southern section of the Great Northern simply is that the coke is being divert-approaches the heart of the East ed elsewhere. It has not yet developed Kootenay coal fields.

Ore Crushing Started At The Silica Works

The shipments of ore from the Ross-land camp during the present week will be slightly over 7000 tons if the av-erage of the week to date is maintained. The feature of the output is the prob-able reduction in the ordinary more able reduction in the ordinary more able reduction in the ordinary more than the ordinary more able reduction in the ordinary more than the ordinary more able reduction in the ordinary more able reduction in the ordinary more than the ordinary more able reduction in the ordinary more than the ordinary more than the ordinary more than the ordinary more the ordinary more the ordinary more able reduction in the ordinary more the ordinary more the total. And Trail Smelter

The feature of the output is the prob-able reduction in the ordinary record are being made to blow-in the copper undertaking to supply the plant with road to Creston Junction, where the of the Le Roi mine due to the suspen- furnaces, but it is understood that six three cars of coke daily. This is not cars were transferred to the Kootenay sion of operations on Labor Day and weeks or thereabouts will elapse be- sufficient to operate the plant, but it Valley section of the Great Northern





pt. 2.-Today was and harvesting went cess throughout the warm. A few showriver valley. f the Shamrock lacity received a letustralia, stating that of that country had Canada next summer. tten by F. G. McDon-

vash, Victoria Univerhead foremost from teamer Lake Manitop. He badly strained back and head. ed at Port Arthur of was well known in

Marks, Clavet, Dobie r, was taken suddenly on Monday and left in a precarious con-

DEAVOR SOCIETY.

ge Gathering of Memolitan Tabernacle.

2.-There was a f members of the Society in the Mecle today, at which th presided. Mrs. esident of the society, ited States September was presented with a of flowers. Both Dr. addressed the meeting tions.

ERICA'S CUP.

ot. 2.-Mr. Carmichael, to Sir Thomas Lipton, the statement that Sin diately issue a chalerica's cup. The chalde through the Royal

IERAL SYNOD.

Sept. 2 .- The third sesral synod, Church of here tomorrow. and 90 clerical and law ion are the formation board for the entire riage of divorced peration of a special ediof common prayer.

TED SUICIDE.

nt., Sept. 2.-George committed 'suicide ting a Bullet through e is known.

Shipments of Ore Will Grow Steadily

The output of the camp for the week | reached without further setbacks. ending last night is less than was be-Matters have progressed quietly at lieved would be the case. Several mines the big mines during the week. Addidid not produce their normal output tional men have been put at work on for various reasons. The Le Roi closed the Nickel Plate and Kootenay mines, down for Labor Day and work was not and at the War Eagle and Centre Star resumed until next day thus cutting mness the crews have been strengthened a couple of days off the possible period somewhat. While the number of mer for shipping. The Le Rol' No. 2's tonat work in the camp is not likely to be nage was also reduced substantially, increased to any great extent immedibut this was only temporary and the ately, there is every reason to believe from the statements of various mine present week will see a return to normanagers that the next six weeks or mal shipments. two months will see such additions as The War Eagle and Centre Star

mines have raised their tonnage to a will add substantially to the payroll figure approximating their standard and thus stimulate business locally. Year

output under the new shipping arrange-		Y
ment with the Trail smelter. The short-	Le Roi	157
age of power on the Canadian Pacific	Le Roi No. 2 776	44
only linterfered to a slight extent with	Centre Star	7
the operations of the mines, and ar-	War Eagle	2
rangements will doubtless be made by	Rossland G. W.	2
the railroad company to handle the	Glant 160	1
business without delays. The present	Cascade	
week should see the shipments well	Columbia-Kootenay	
over the 8000 ton mark. It is difficult	Bon'anza	
to estimate the output for any partic-	Velvet	
ular week because of the unforeseen	Spitzee	
contingencies that frequently interfere	White Bear	
with the operations of the mines, but		
the higher tonnage should now be	Totals	217
		1934

PROFESSOR VIRCHOW IS LAID TO REST

freedom of the city, a funeral worthy of the great scientist. The assembly with the most distinguished professors, foom in the town hall, where the ser- scientists and physicians of the capivices were held, was most lavishly tal and with the highest medical offidecorated, and in the adjoining lobbies cers of the German army. The hall was a great display of magnificent was nearly filled by university profeswreaths sent by medical, political and sors and city councilmen in their gold-scientific societies. Among them was en chains of office. Around the sides an exquisite one of Easter lillies and and in the rear stood deputations from maiden-hair ferns from the American students' societies in mediaeval cos-physicians practicing and studying in tumes, bearing aloft their richly em-Berlin, with an inscription which ex- blazoned banners.

nary interest to mining companies and the community generally.

The Le Roi No. 2 Mining company has taken action in the supreme court

volve a question as to the methods of sampling in effect at smelting works it will be of special interest to a mining of the province to recover from the Le Roi Mining company and the Northcommunity where shipments of ore to custom smelters are of frequent ocport Smelting company a sum approxicurrence.

value of the said ore and the amount

as the net values. As the suit will in-

paid them by the defendant compar

tion Now on the Tapis

Initial steps were taken in supreme, they now claim is the sum due them as

court chambers at the court house yes- the difference between the actual net

mating \$4000, which is claimed by the In chambers yesterday application plaintiff company to be due from the was made by C. R. Hamilton for an defendant corporations on account of order for discovery and for an affivalues contained in certain ore shipped davit from a material witness who is from the Le Roi No. 2 company's mines expected to be out of the city at the to the Northport smelter. The plain-time the suit comes to trial. The order tiff's statement of claim sets up the was made. His Honor Judge Andrew contention that the shippers of this ore Leamy of Greenwood occupied the were not recompensed in full for the bench in the absence of Judge Forin values in the ore, and that the amount who is enjoying a vacation at Banff.

Yesterday will probably go down on practical test can be made. A cor secord in the annals of the Rossland siderable crew of men is employed at Silica. camp as a red-letter day, inasmuch as The War Eagle and Centre Star co

it witnessed the actual inauguration panies have expended a considerable appropriation in fitting up the plant of the first experiments in concentra-

of the first experiments in concentra-tion on a commercial basis. Yesterday the War Eagle and Centre Star companies' experimental plant in the old Bullion Extraction works at Silica was got under operation and the tests are now in full swing. A con-traction the second start of operations

tatement of claim sets up the tion that the shippers of this ore not recompensed in full for the in the ore, and that the amount **g Improvement in Mining Shares Business** tests are now in full swing. A con-siderable length of time will be required to demonstrate the process to the satis-faction of the mining companies, and with whiter coming on and almost pro-hibiting construction works the mines are in no particular haste to arrive at a conclusion, preferring the leisure the complete satisfaction. The daily shipments from the mines to the Silica works will be 20 or 30 tons, with which quantity of or a a thoroughly in which and the satisfaction.

Good Ore Found At Green Mountain

The recent strike at the Green Mountain mine has developed into ex-tensive proportions. Manager Lawry states that he is thoroughly satisfied with the outlook and will proceed at once to open up the lower levels of the property.

property. The crosscut which tapped the ledge company will continue sinking at once. The conditions at the 400-foot level The crosscut which tapped the ledge some days ago was carried through the vein, and it was found that the ledge was ten feet in width between well defined walls. The vein was solid ore and a sample across the face gave

CONFERRING REGARD-ING THE COAL STRIKE

NEW YORK. Sept. 9.-When Gov- business interests. Mr. Widener is very ernor Stone left the office of the United Steel Corporation he said: "Attorney Morgan. We are doing what we can." General Elkins, Senator Flynn and PHILADELPHIA, Pa., Sept. 9.-The myself have been in consultation for some time today with P. A. B. Widener of Philadelphia, who is a director in the United States Steel Corporation and is associated with Mr. Morgan in many strike.

Big Improvement in

The present condition of the stock A reference to a paragraph along the business affords an excellent indication same lines appearing in another col-.441 4,901 of the manner in which interest in the mining industry of the Kootenays is 2,585 mining industry of the Kootenays is reviving. The daily reports of the ronto is buying heavily and a large Rossland stock exchange as published in The Miner only gives an inkling to the real situation in respect to the movement of stocks, inasmuch as the transmuch as the transactions on the board from day to day represent but a fraction of the ac-and Montreal on the other is rapidly 20 tual volume of trading. increasing.

In a sense the sessions of the stock Eastern investors have apparently exchange have come to be regarded in concluded that a decisive turn has the way of a preliminary to the day's come in connection with the mining inthe way of a preliminary to the day's business. In the course of the session of 'change stocks are "called" and brokers are afforded an opportunity to judge in some measure of the shares that are available for trading, together with an idea of the prices which will rule for the day. During the balance of the day orders are received and ere

BERLIN, Sept. 9.—The city of Berlin pressed the high esteem which the today gave the remains of the late medical profession had for the "world Prof. Virchow, one of the four citizens renowned pathologist, Rudolph Vir-

HALF MILLION TO CHARITY.	ANOTHER VOLCANO ACTIVE.	
PHILADELPHIA, Pa., Sept 9.—The will of Miss Harriett S. Benson, who in life was prominent as a philanthropist,	and the second	

was admitted to probate today. It dis-poses of an estate estimated to be worth and torrents of stones. The island is upwards of \$2,000,000. Charitable e- shrouded in smoke. quests are made amounting to half a Mount activity. Mount Vesuvius is showing signs

million dollars.