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# The Nino Mining Company, 

Limited.

NO PERSONAL LIABILITY.
head office:
95 Freehold Building, Toronto, Ontario.

UNITED STATES OFFICE:
812 Prudential Building, Buffalo, N. Y.

Authorized Capital, $\$ 1,000,000$.

Par Value of Shares, $\$ 1.00$ each.

## OFFICFRS.



## DIRECTORS

WhLJAM CHAPIIN. President Welland Vale Mes. Co., St. Catharin's. Ont.

IAMES D. CIIAPIIN, Mantufacturer. St. Gatharines. Ont.

ARTHCR SCHOFLLKOPF, President Power City Bank. Secretary and Treasurer Niagara Falls Hydraulic Power \& Mg. Co., Niagara Falls. N. Y.

Wh. B. WLLLARD, President Fremont Marble Co. of Colorado. Hartford. Conn.

BENJ. WV. GALILP. Assistant Cashier First National Bank. and Assistant Treasurer People's davings Bank, Woonsocket, R. J.
D. Willard WilifaMs, Vice President of The J. B. Williams Co., Glastonbury, Conn.

CHIDRLES B, WORTHAM. President Niagara County Irrigation \& Water Supply Co.. Buffalo, N. Y.

DEXTER D'TE. POTTER, Real Estate, St. Catharines. Ont.

THOM.IS W. GLEASON, Financial Agent, Buttalo.

## SOLICITORS.

JAMEN B. OBRI.IN. J. BO.IRDM.IN ECOIELI.

Toronto, Ont.
Buffalo, N. ${ }^{\prime}$ '

## BANKERS.

COLUMBII NATIONAL BANK. . . Buttalo. N. Y. IMPERIAL BANK OF CANADA. Rat Portage, Ont.

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J. E. S

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F.ISON otter RTHAM.

## THE NINO MINING COMPANY, LIMITED.

## NO PERSONAL LIABILITY:

The Nino Mining Company, Linited, is a corporation organized under a charter from the Province of Ontario. It has taken over, and is operating, the Nino Mine on mining locations J. E. S., 93, and J. E. S., 110, in the Deer Lake District, Lake of the Woods, about sixty-five miles from Rat Portage.
This remarkable property was discovered only a short time ago; but sufficient development work has already been done upon it to demonstrate the permanence and character of one of the many large veins, and to confirm the good impression made by the surface showings.

## LóCATION.

The Deer Lake Country, in which the Nino Mine is situated, is a part of the Lake of the Woods District of Western Ontario, which comprises several thousand square miles of territory between the western end of Lake Superior and the Manitoba boundary. This tract of country is very much broken, altrough without any points of great elevationd and the depressions filled with water corbthete a net work of navigable lakes which serve as water-: highways to all parts of the district. It is asserted, upon good authority, that there are more than 14,000 islands in the Lake of the -Woods proper, and it is probable that the number of small connecting lakes in the mainland adjoining is even greater. By this means nature has provided transportation facilities to most parts of the district of a most economical character, which may be still further extended
artificially at "very small expense. The country
The ne is well wooded; it many places with heavy timber of finest quality, and elsewhere with excellent firewood. At the outlet of the Lake of the Woods there exists one of the greatest water powers in the world, This is already under development and operates a reduction. _ plant doing custorn work, and there is'suffieicht reserve power to operate thousands of stamps. The cost of labor is moderate ; and the expense of living in the district is reasonable, owing to proximity tơ the rich agricultural lands of Ontario and Manitoba.

It will thus be seen that the naturalconditions are favorable for the installation of mining plants and for the prosecution of mining operations at minimum cost. But a sttll more important factor lics in the character of the ores, which are to an exceptional degree free milling, and call for treating plants, of the simplest nature, costing relatively little for equipment and operation. Uuder these conditions, the operations of mining and milling can be carried on as cheaply in this district as in any country where quartz mining is done on ore bodies of equal extent. Inder present conditions, all costs can be covered by $\$ 2.50$ per ton, which should be still further reduced as conditions become more settled.

## DEER LAKE COUNTRY.

The Deer Lake Country is reached through Rat Portage, a city of 7,000 people, which is the distributing center for the Lake of the Woods District. It is situated on the Canadian Pacific Railroad, about forty hours ride from Montreal and thirtysix hours from Toronto, without change of cars. A new line of railway, known as the Ontario \& Rainy River Railway, is now being built through the central and
4 southern part of the district, which will greatly improve transportation facilities.

The neighborhood in which the Nino property lies is of recent discovery, but is already one of the most active in the district, having regular steamboat service almost daily during navifration and service by stage during the winter.
, Many rich finds have been made during the present summer, some of which have produced the richest surface samples ever formme in the Lake of the Woods District, and it is probable that the numbery of working properties in the neightiorhood will be largely increased before the winter sets in. .

## NHNO PROPERTY.

The Nino property consists of 110 acres on - Tillie Lake, north of Deer Lake. It is traversed by many well-defined veius of quartz, of which no less than twelve have been already located; and it is probable that many others exist covered by vegetation. Of these, only one, the No. 1 Vein, or Nino Vein, from which the property derives its name, has been explored to any considerable extent. This outcrop is along the shoulder of a hill dropping into a swamp at either end. In the other veins, we have ample ground for extending operations in the future, and will doubtless be able in time to supply ore for our mill from a number of shafts. On one vein many tons of/millable ore already lie exposed by action of the elements, and need only transportation to the mill.

## WATER POWER.

An application has been filed with the On: tario Government for the right to control the water of Caribou River and develop power for use on this property and elsewhere, and such right will be granted as soon as the company is prepared to develop the power.
Under'this concession; at very small expense, a fall of sixty feet can be made available upon a
stream drawing from a watershed of about 250 square miles; while there can also be held in reserve, above this head, an available amount of water equal to six feet in depth over about fifteen square miles. In this way, ample and permanent power for all uses on this and other properties will be assured for all time at a nominal cost.

The location of the falls is near the present point of mining development, which will eliminate any problem in transmission.

## TIMBER GRANT.

The mining locations of the conpany are well wooded, and will supply fuel and mine timber for a long time. Besides this timber and lunber supply, the company has also secured a timber grant for mining purposes on Deer lake, furnishing ample quantities of excellent pine, so situated that it can be floated to Caribou Falls and there manufactured by water power within a slort distance of our camp.

## EXPERT REPORTS.

## Rat Portage, Ont., Angust 17, 1900.

Messrs., The Directors of the
Nino Golid Mining Compans, Bufralo, N. Y.
Gentlemen:
In accordance with the instructions contained in your letter of the 4th inst., to visit and make a report on the Nino Mine, I now beg to subnit the result of my investigation, with assays. I also append two plans that will show at a glance where the samples were taken, and also the general run of the veins, etc.
Locality: The freehold of the property consists of the two locations, J. E. S., 93, and J. E. S., ind, of fifty-one ant sixty acres respectively.

Ger beyon granit the f middll east a1
1 , or
done that $w$ amoun veins tions; less ea from 1 is in e gold, J. E. S pannin Nino V concent sample vein se enp finl had an ton; in shaft an with sm in gold. how lav I think metal w less vary Nino in the $g$ trap, fro prospect a depth, between six inch

[^0]out 250 held in mount $r$ about le and 1 other a nompresent 1 elimtimber 1 lums ured a Lake, pine, 1 Falls within
1900.

Geonoge: I need not dwell on this point beyond saying that the formation is eruptive granite with intrusions of porphyry and trap, the former comprising, 'approximately, the middle half of the two locations and running east and west. In this band is situated the No. 1, or Nino, Vein, on which most work has been lone; but there are a number of other veins that will, I am of opinion, well repay a certain amount of exploiting, especially a band of five veins crossing the line between the two loca, tions; these are running parallel and more or less east and west, varying in size on surface from nine inches to two feet wide. The country is in every way favorable to the occurrence gold, and that this is the case, especially J. E. S., 93, is demonstrated by the fact that paninings made of the soil from the top of the Nitno Vein all slow gold, the result of Nature's concentration. Notably is this the case in the sample No. 14 that I took from the top of the vein seven feet east of shaft. I panned an eggcup full and the result was so surprising that I had an assay made, No. 14 ; this gave $\$ 50.62$ per ton: in fact, for a distance 120 feet north of shaft and 150 feet south, the ground is covered with suall stringers and splashes of quartz rich in gold.* I mention these facts simply to show how lavish Nature has been on the surface, and I think it only fair to assme that the yellow metal will also be found beneath, in more or less varying quantities.

Nino Vrin: This vein runs east and west in the granite, parallel with the contact of the trap, from which it is distant about too feet. A prospecting shaft has been sunk on the vein to a depth of 123 feet; the quartz varying in width between good walls from four feet to one foot six inches; the vein is dipping north on an

[^1]a verage, approximately, of from $30^{\circ}$ to $40^{\circ}$ from the vertical. At the depth of seventy-two feet from the surface, a level has been driven east thirty-two feet, the quartz having an average width of three feet six inches; another level was driven west twenty-four feet, with quartz averaging three feet wide. The vein outcrops boldly on the surface to the west for a distance of 2.50 chains ( 165 feet), varying in width from five feet at the shaft to one foot where it disappears in hill and under swamp seventy-two feet below. On the east side it crops out for a distance of 3.25 chains ( 215 feet), varying in width from four feet at shaft to four feet six inches where it disappears in swamp, prior, I believe, to appearing on the opposite hill, about fifty feet above swanip; here the vein is three feet wide, and I obtained several specimens showing visible gold. At the base of this hill, a tunnel or adit has been run in on the vein for seventy feet.

Before leaving the Nino Vein, I wish to draw your attention to a vein of pyritous schist, about seven feet wide, lying inmediately between the granite and the trap; this has imbedded in it small stringers of quartz, some of the latter was panned in my presence and showed gold ; but my sample No. 13, taken across the lead on surface, failed to show more than a trace. Still, I incline to think that with depth something will be found, as I expect, from the dip of the Nino Vein, a jupction of the two will occur. and that the trap will eventually form one of the walls of the vein.

Assays: Owing to the timbering, and torrential rain, I was nuable to take samples from sides of shaft, and was, therefore, compelled to make use of your assay record, kindly placed at my disposal by the manager; as there was nothing exceptionally high, except letter "D," they may be accepted without demur ; the cause of this high assay may be accounted for, as in the case of iny No. io, by the occurrence of a
from feet east rage level lartz rops ance rom dis--two for a g in six or, I bout hree tens hill, 1 for
ress is in the arr. and, in proverbial phraseology, "We must take the season when it serves or lose our venture." Our natural resources are enormous-wheat, catlle. forest products, horses, minerals and men. We are bound by loyalty and affection more closely than most people imagine to the Mother Country, and all are inspired by that laudable ambition of seeing a solid and imıregnable British Empire,

The following references to the Nino Mine is made in the Toronto Clobe of July 4, 1900:

rich spot, always likely to occur in this district. Your assays are lettered from A to $I$, in the table appended, and mine figured No. I to 54 ; these, compared with the corresponding numbers and letters on plans, will show at a glance where taken.

Ore in Sight and on Dump: I estimate this, approximately, to be 1,000 , tons, and the average value $\$ 9.50$.
Mili,: The position is an ideal one for the erection of a mill, being on the shore of two lakes; there is a large supply of fine timber of all kinds on the locations, suitable for mining, building and fuel, for many years. Slould this fail at any time, or should it be preferred to adopt electricity as the motive power, there is a fine waterfall about a mile and a halfa way that could be secured and would be ample for all purposes.

Buridings: These consist of an eating house and kitchen, sleeping camp for twenty-four men, manager's room and office assay office, smithy, stable and ice house.
Summary: I am of opin yon ion that you have a valuable a property, there being in addition to the No. I Vein: a number of others of a distinctly promising appearance, and there are more yet to be found, I expect on J. E. S., ino. The work done on the Nino Vein, the consistent character of the vein matter from the top to the bottom of the shaft, is satisfactory ; and, taken, with the general run of the assays, goes far towards establishing the value permanency of the vein, and
amply just regard to adyise you shaft so as tom of sv essential, a size to sup

Every e Nino Vein the hill on in a three-

Attentio parallel ve that, with cheapest w them by a feet below

In concl already do
amply justifies a more extensive outlay. With regard to the work of the future, I strongly adyise you to lose no time in sinking the present shaft so as to get well below the valley or bottom of swamp. To do this, a steam hoist is essential, and the boiler should be of suffieient size to supply air drills, if adopted later on.

Every effort should be made to locate the Nino Vein as it reaves the swamp and enters the hill on the east, where I found visible gol I in a three-foot vein.
Attention should also be given to the five parallel veins south of this, as the cliances are that, with depth, they will unite ; possibly, the cheapest way to do this would be to crossicut them by a tunnel at foot of bluff, about sixty feet below top of hill.
In conclusion, from the useful work yon have already done on the Nino Vein, and the gen-

eral satisfactory nature of the assays, you could not wish for more honest inducement to carry on operations.

Yours faithfully,

> [Signed.]
> WM. S. BECK,
> Engineer.

## ASSAYS FROM Nino vein.

## sample

1. Across roof of east level at mouth
. Across root of east level at io teet distance
Across rool of east level $t 20$. 2.86
2. Icross rof east level at 20 feet distance, . $\quad 6.20$
. Across roof of east level at 30 feet distance, . 10.30
3. Across breast of east level at 32 feet distance. $\quad 5.96$
4. Icross roof of west level at mouth, . . . . 3. 10
5. Across roof of west level at to feet distance,
3.10
*. Across roof ol west level at 20 leet distance. . $\quad 1.03$
6. Across breast of west level at 24 feet distance, $\quad 1.03$
7. Selected ore from about five feet of hottom of shait,
8. Average sample along outcropping of vem for $\quad \mathbf{2 2 . 3 7}$ 3.25 chains east, . . . . . . . . .
9. Average sample along outcropping of vein for 2.50 chains west.
10. Average sample from vin ${ }^{\circ} \cdot{ }^{\circ}$. . . 125.70
norti of shaft, by the contact north of shaft. by the contact,
11. Ferriginous earth from top of quariz, 7 leet east of shalt.
A. 6 feet from top of shaft. average value per ton, $\quad 6.30$
B. i8 feet lrom top of shaft. average value per ton, $\quad 6.20$
C. 28 feet 6 inches Irom top of shaft. average value per ton.
1). 36 feet from top of shait average value of three samples.
E. 47 feet from top of shaft. average value oi f 35.00 samples, samples,
F. 55 Iect frof toy ol shaft. average value of two samples,
feet from top of shait. average value of four samples,
64 feet, a selected sample value per ton • • 9.32
II. 90 feet 6 incbes from top of shaft, average value per ton.
. . . . . . . . . . . 35.8 c
12. 101 feet from top of shaft, a verage value per ton 3.88
13. ilo feet from top of shaft, average value per ton
K. 115 feet from tov ol shaft, average value per ton
L. 123 feet from top of shaft, dverage value per ton

It will be understood that all visible gold is excluded Nino Co.

Rat Portage, Ont., August 13, 1900.
Thos. W. Giefason, Ese., Manager, Great Granite Golid Mining * Đrvetopment Company, of ©ntario, LTD.

## Dear sit.

In compliance with your letter of instruction of August I, 1900, requesting me to make a report to you on the mining property said company has been developing to some extent since lebruary ist of the present year, viz: Minjng Locations, J. E. S., 93, and J. E. S., 11o, District


Caribou Falls - Power for Nino Mine.
of Rainiy River, Province of Ontario, the following is respectfully submitted:
As you are fully aware of the route by which the property is approached and the main topor graphical features surrounding it, I will, not touch upon that point more than to inform you that I am now having a wagon' road prospected direct from Sturgeon Lake to the property; its length will be, approximately, four miles, and it will run from the camp nearly a southwesterly course direct to the east end of Sturgeon Lake, where cohnection will be made with the Frazer I.ine of steamboats. I think this will be a great improvement on the present method of approaching the property and will result in a considerable saving in the operating expenses of the company
Veins on the Property: Theye are to be seen on the property not less than twelve distinct veins, eight of which occur in the porphyritic granite and the remainder in the slate and trap rocks. All the veins occurring in the granite have a strike nearly east and west; approximately paralleling the line of contact between the granite and trap, and dipping at various angles towards the contact to the north. Those veins in the trap have a northeasterly and southwesterly strike, and seem to dip to the southeast to the contact also. Immediately in the contact occurs a banid of sheared slate, eight to ten feet wide, containing stringers of aurierous quartz, which pan always very freely. In addition' to the veins above enumerated, there occurs in the granite, about 125 to 150 feet south of what is called No. I Vein, a series of quartz stringers paralleling said No. I Vein and dipping at an angle of $45^{\circ}$ towards Vein No. 1 ; these stringers are generally highly auriferous and invariably pain gold freely, assays as highras $\$ 1,676$ to the ton in gold having been obtained.
Development: The development work done consists in the sinking of a shaft 123 feet, and drifting thirty-two feet and twenty-four feet
east and west respectively on Ven No. i, the drift being at a depth of seventy-three feet.
On ${ }_{9}$ Vein No. 2, an adit has been driven about seventy feet.
The work on No. i Vein has proven it to be a strong, well-defined, persistent quartfivein, enclosed between well-defined free porphyritic granite walls. The chute of ore has the appearance of dipping to the east at a flat inclination, which I believe is typifal of all proven ore chutes in the Lake of the Woods District. The values I have from time to time reported to you, and a summary of which shows the average, of eighty-three assays, made of samples taken all across the vein throughout the drifts and slaft and from the surface for a length of 370 feet, to have been $\$ 7.20$ in gold per ton; the average width of the vein from which said samples were taken being estimated at three feet nine inches. I may say that at no time in this vein have we been confronted with the problem of hunting for a lost vein.

The work on Vein No. 2 has proven it to be very tortuous, both vertically and horizontally, so much so, that the adit was driven for a good portion of the distance off the vein, and it remains for a crosscut to be made to prove the vein at all points at this depth. The values to be obtained from this vein show the average of the outcrop to be $\$ 6$ per ton in gold, with a width of three feet and an exposed length of 150 feet, the west end of the vein, where it is strongest, running into a swamp; the strike and dip of the vein vary somewhat from the other veins in the granite, its strike being, approximately, northwest and southeast, with an apparent dip of $45^{\circ}$; it apparently forms a junction with No. I Vein in the aforesaid swamp.
From the showings already obtained by developinent work, and from the surface showings of yeins upon which no work has been done, I am led to the conclusion that the prospects of developing a paying mine are of the brightest;
and I know of no other property in the district, with the same or a less amount of development work done on it, that promises better.
The locations and surrounding country are well wooded with mine timber and fuel, and, in addition, at a distance of one mile and a half from the property, there is situated a water power which can very cheaply be developed, and will produce 200 horse-power every day in the year; and I estimate that, in the mining and milling of ores, by utilizing this power instead of steam power, fifty cents saving per ton can be obtained.
I would advise putting machinery on the property at once, as the development work is too far advanced for hand labor.
[Signed.] S. H. REYNOLDS,

> Engineer to the Great Grauite Gold Mining \& Development Company.

From the foregoing statements, it will be seen that the proposition which is being worked out by this company is a peculiarly favorable one. Namely: A large body of rich ore easily milled, situated conveniently for mining, with all the accessories of cheap operation, water, fuel, and power already at hand at minimum cost.
Seventy-five per cent.. of the value of ore at present in sight should be profit above cost of mining and milling.
Assays and pannings of ore from this property, made by disinterested persons at various timcs, fully substantiate the foregoing estimates of value.
In presenting this property for the consideration of investors, we do so with full confidence in its great value and the practicability of making it a profit-paying proposition almost immediately upon being equipped with machinery.

THE NINO MINING COMPANY, LIMITED.

## APPENDIX.

## THE MINERAL RESOURCES OF CENTRAL CANADA AND SOUTH AFRICA COMPARED.

 Reprinted from the Manitoba Free Press.Following is an address given at the City Hall hy Mr. F. H. Malcolm (late President of the Jolannesburg Diamond Boring and Development Co., Ltd..) to the members of the Centrai Canada Chamber of Mines:
From published statistics it will be noted that the Transvaal ores are low grade, averaging only $6 / / 2$ dwts. to the ton, over the plates, in value slightity under $\$ 6$ per on. The mines are deep, averaging 2.500 leet, some exceeding 4,000 leet, before the reef is reached. Water is also scarce.
The cost of constructling these immense dams average about $\$ 500,000$, and sinking and equipping a shaft to that depth about $\$ 250.000$, or $\$ 750.000$ in all has to be spent before they are on the same basis as a Canadian out-crop mine, when the first pick is put into the ground.
The Transvaal reets average ten feet in thickness. In Canada a fair average reef is four leet, but many run In Ontario up to fifteen feet. Average returns from Lake of the Woods mines nqw working would give atout $\$ 14$ to the ton, some much higher results. Large out-crop dykes returning 85 per ton upwards are common in Ontario, which might be worked as quarries. The cost ot mining and milling the latter with modern appliances (as on the Rand) should not exceed 8 sr . 50 per ton.
Labor is considerably higher Iri Afrlca, averaglng for white labor $\$ 6$ per đ̈ay. Kaffir labor being $\$ 17$ per month and found. All necessaries of life are much more expensive in Africa, and a workman's threc-roomed cottage cannot be obtained in Johanneaburg ưnder $\$ 35$ per month:
Transvaal mines are highly capltalized, but not more than twenty per cent. of nominal capital has been provided In cash in working capital, yet, notwithstanding this, the dividends are large, as will be observed from statistics. The dividends (average sixty-seven per cent. per annum) are paid also upon vendors' shares which equal bout eighty per cent. of the whole nominal capitalization. And the present price of shares in Europe, notwithstanding the war, average about 370 per cent. premium, the highest being Rand Mines, Ltd., whose $£_{\mathrm{I}}$ shares now (even in war time) atand at $\kappa_{3} 38$ on London Stock Exchange.
Both Transvaal and Central Canada ore are free mill ing, and these remarks apply to over-plate yields only (in both cases), for the reason that few Canadian mincs are equipped with modern cyanide or other processes for extractlon of residues from tallings, silimes, etc., which would probably increase yields about thirty-five per cent. as in the Transvaal.


There is no doubt whatever that the mines of Central Can ida are greatly superior to any yet known in South Mrica, both in extent, size of ore body, and grade of ore The conditions and facilities for economical working are greatly in favor of Canada. bofh in respect to cost of labor, abundance of water power. cheapness ol provj sions. accessibility through resular railwav communica tion in all directions. and the important face that the reef are payable almost from the surface. as has been abun dantly proved by the few mines now working at the Lake of the Woods and other centers. where, with the most primitive appliances, highly encouraging resuits are even now being achieved
The total white population of South Africa never ex ceeded 500.000 persons, the gold fields being distant and difficult of access. Compare this with the central posi tion of Canada, with probable so,000.0co of people on the American continent south of us, and about 350,000,000 in Europe, all within ten days reach of the Central Canadian gold fields. Many of these (especially those who have made money through mining investments elsewhere) would undoultedly invest, if they knew of the existence of these mines. a lractional percentage of which will suftice to place Canada on a satisfactory basis as a gold-producing center, and cannot fail to prove advantageous to Camada as a whole, and the great expansion of population and commerce generally.

## GOLD FIELDS.

Exiract from the Canadian Government Gazette.
The Gold Fields of Central Canada are very extensive. the quartz reefs being situated principally in the Provinces of Ontario and Manitoba, in the lilly region on the shores of the Lake the Woods, also Lakes Manitoba and Winnipeg.
The ore bodies are large, clearls-detined fissure veins. of Iree-milling high-grade ores and of grear extent, covering some 350 by 150 miles in area.
In certain localities there are immense bodies of lowgrade ore, running "up to soleet and over in width, at the surface, and of unknown depth; 5 to ro dwts. per ton mill returnis Ironi trial crushings are common averages; these reefs could be worked as quarries at small cost, and should in the near future yield important results.
Unlimited water power is available throughout the whole district, fuel is plentiful, and other facilities are all that can be desired for extensive mining operations.
At tresent, development is only in its infancy; but, as the railway now passes through this region. important results are anticipated in the near future.
Some of the pioneer mines, with primitive appliances, have proved highly productive. and the reefs increase in size, grade and uniformity as depth is attained.

The following 解 quoted from an address of Mr. Allan Sullivani to the shareholders of the Anglo-Canadiań Company in London :
1 should like to make a few preliminary observations as to the gold fields of the Lake of the Woods and Rainy River districts. Their area is, approximately, 60.000 square miles, an extent of country 400 miles long by 150 wide. lying directly northwest of Lake superior and between that magnificent body of water and Winnipeg, which latter place may be said to be the beginning of the prairie cquantry of the West. This region is traversed alon: its northern edge by the main line of the Canadian Pacific Railway, and there is at present under construction an other independent line. called the Ontario \& Rainy River Railway, which practically bisects it Irom end to end. The district has an unrivaled waterway. consisting of: maze of lakes and navigable rivers stretehing for hundreds of miles. For instance. I can leave Rat Portage on the Lake of the Woods, which is the point where the Canadian Pacific Railway touches that lake, and take a steamer of $\ddagger 00$ tons burden and proceed for 180 miles: 1 can then take another steamer and proceed another serenty miles, after which canoes are utilized. The ground. where bare rock exposures do not occur, is covered with a dense growth of pine and spruce and other merchantable timber. The most attractive feature of the district is. of course, its auriferous belt. This I find somewhat hard to describe, because this whole enormons tract may be said to compose this auriferous belt. Wherever you go, in any part of it. there are out-cropping reefs varyine from one foot to too feet, and my personal estimate is that filty per cent. of these reefs carry gold in appreciable quantities. This high percentage is no exaggeration. and 1 venture to say it is unparalleled in any other part of the globe. There has been a great deal of volcanic disturbance throughont the district, to which fact 1 attribute its auriferous qualities. All along and near the edge of the contacts bounding the eruptive points gold is found - sometimes in reefs of outcropting quartz. sometimes in dykes or bands of schistose rocks, through which the solution carrying gold values has percolated with extraordinary uniformity,
I do not consider that the future of the district lies so much in the treatment of the quartz reefs, which varv in size from two feet to sixfeet and in value from io dwt. to 15 dwt., as in the winning of gold from these large dykes. where the maryinal profit, wbile not so great, may be counted upon as absolutely certain. I myself have seen these dykes 300 teet wide, with an average value of 6 diwt.. where, under conditions due to available water-nower, the cost of treatment should not exceed 3 dwt . In an orec body of this nature a very small amount of development work is necessary to prove the existence of a very large
body of payable stone. As the result of the wearm down by glacial action, the present surlace of the country is from 600 leet to 800 feet at least below the original sur lace. This means. in other words, that Nature bas don this amount of prospectrissor us, and at 500 heas don this amount of prospecturnor us, and at 500 feet below the present surface. I have seen reets which amply justify my assertion that they do most certainly carry down to an indefinite deptls. Amongst other mines in the neighborhood of our prospecting rights. The Sultana, at 400 leet, cross-cuts through an ore body thirty feet wide. and a mill test of several tons broken across this face realized over 30 dwt. per ton. The Mikado. ft 250 feet, is in splendid condition, with a reef of considerable magnttude and most unmistakable value. The Foley, at $400^{\circ}$ feet. is equally promising ; and the Olive, at 200 feet. has about 200 feet thickness of ore, which should return them good profits over the plates : while the Ilammond Reel has an ore body 400 feet wide and about hall a mile long, which has been proved to a depth of seventy-five feet and has a value equal to the Olive. These are irrefutable fists. which I can prove by ocular degnonstration to anyonwho will take the time and trouble to look at them. [Hear, hear.J Thie depth of surface the disturbance does not, is a rule surf $f$ extend beyond too feet.

A point to which 1 particuarly desire to draw your at tention is the purity of our
ores. They do not contain tale, which causes slimes and loss of value, or arsenic. which sickens mercury and prevents, amblyamation; neither do they contain an appreciable amount of copper, which prevents economical extraction by cyanide. What this meana can best, perhaps, be reakf ized by those who ary at present wrestling with the problem of extraction from sulphide ores in other parts of the globe.
Our labor con Our labor conditions, are: most favorable. There is an abundant supply of skilfed labor at a cost of $\$ 1.75$ to $\$ 2.00$ per day. This is very cheap when comerns pared to labor in British Columbia, where it costs $\$ 3.50$. The erection of a plant of machly ery is also most reasonable, owing

our transportation facilties. Our percentage of extrac tion is high, owing to the simple nature of the ores. In most of them from sixty to seventy per cent. can be extracted by amalgamation, the remaining twenty per cent. by cyanide; that is to sas. in our. ordinary ores it believe a total extraction of from eighty-five tio niget per cent. is easily oltained with a modern and economical planh and cyaniding is practically rendered unnecessada,
During winter time our shafts are absolutely dry. the we have no surface water. With regard to this. I woutd say that I do not know of one property in the whold district which is troubled with any more water than it can casid tike care of. In our own case, our shat makes just enough water to keep the biter going Crushing, of course, continues also through the twelse months. The water is spightly warmed as it enters the mill, and not the slighterat dithiculty is experienced either if the freering of pipes or in amalisamation.
There is no more prontable field for English capitaly thin in Canada. If you send your money there you
sead it to friends. Illear hemr fand of great develope. Thear, hear.) Canada is on the eve of great developments and prospueritv: the spirif of pros
ress is in the alr. and, in proverbial phatarollege? "We must take the season when it serves or lose wus eenture" Our natural resources are enormous - wheas cilfin forest products, horses, minerals and men. We anc bound by loyalty and affection more closely than most Heople imagine to the Mother Country, and all are inspired by that laudable ambition of seeing a solid and mmpregnable British Empire

The following references to the Nino Mine is made in the Toronto Globe of July 4 , 1900 :

Mr. Pengilly, the managing expert of the Mikad mine, visited the Nito when the shalt was eighty fee deep, and was highn-y pleased with the property. He ; reported to have stated in Rat Portage that if the min were his property be would not exchange it for any min in the Lake of the Woods, not even excepting th Mikado: The shaft is now down over 100 leet and lool ing better than ever. Samples from the property, recen ly assayed at Rat Portage and Toronto, have shown frot $\$ 1,500$ to $\$ 1,600$ of gold per ton.

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## HENEV D. BrAMBLE.


Sept
Mr. D. D. Potter,
Secy, Wino Mining Co.
Dear Sir,
rom the Below you will find assay of samples handed Nine Mine for determination of gold values.
results given are the average of the entire samples and
4 Marked surface rook from main vein east or sift
a From haft on main vein

* 3 From ahart on main vein
* 4 Surface rook

6 From shaft on main vein at $110^{\prime}$ depth
Values are given in tons of 2000 pounds.
Yours truly,
$\therefore 2-2 y$




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[^0]:    From
    a rich pay wide, all

[^1]:    *From this it would appear that the Nino Vein is like a ride pay streak ln a belt of gold-bearing rock 270 leet wide, all of which is likely to prove of workiny value.

