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# The Cons ated Mines Company of Lake Superior, Limited 

(NON-PERSONAL LIABILITY)

Incorporated 1901 Under the Ontario Mining Companies' Incorporation Act.

| Capital, | , | , |  | , | \$1,000,000. |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | mines | S: |  |  |
| Porcupine West |  | Badger ain | Mine, East |  | Keystone Mine, Mountain. |

RESOLUTION ADOPTED BY THE DIRECTORS OF THE CONSOLIDATED MINES COMPANY OF LAKE SUPERIOR, LIMITED, February 12 th, 1902.
 Propertios awned by the Compally with tatement of the history and present state of development of eath, and that the same he primed for the information of the stockhoders.

 Gentamex：






 properts．




いたににたには ついたった。



## The Consolidated Mines Company of Lake Superior，Limited

These properties situated in the Dintrict of Thumber Bals，I＇rowince wi Ontaris．C＇allod．t，and



| 96 T． | 1 （\％） | ごくらい。 | The Porenpine line | R． 5.5 | 160．．cren． |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $2(0)$＇1， | 10.4 | － |  | R． 5 ¢ | Su |  |
| 201 ＇1． | 9） | ． |  | R．（x） | （1）${ }^{\circ}$ |  |
| $1+5 \%$ | $1(6)$ | ＂ | The Kerwone Mine． | $\begin{aligned} & \text { R. } 151 \\ & \text { II: } 1,18-1 . \end{aligned}$ | $161^{10}$ | Mammain Minc． |
| R． 5.5 | 80 | ＂ |  | 1．0！ $0_{1-1}$ |  |  |
| R．${ }^{\text {a }}$ ）， | 80 | ＂ | The Went lind Siluer |  |  |  |
| R． 57 ， | S\％ | ＂ | Muuntain Minc． | $1.0110 \cdot 1$. | 104，．． |  |
| $178 \%$ | 160 | $\cdots$ | ） | Lat N－E． | 149 |  |

## The Porcupine Mine

## FIISTORY

Hfs property comsist of Mining lacation go $T$, containing foo acres, and was worked in a fobmodic manner and with a very irregular force for abotit a year previous to $188 \%$.

Agood wagon road to connect with the Canadian Pacitic Railway at Murillo Station and commonication with Port. Arthar was halt, and in addition to the erection of the necessary camp huildings some drifting and tert pitting work was done on a wein from 2 feet to 0 feet in widh, from which there was extrated wer sts, woo in ore that for the most part consisted of masise Vrgentite and Natise Silver, hipment of which were made to the Smeters.

On the strengrth of the se showing the property wan sold for $\$ 50,000$ eably, and the purchasers proseded
 properts at the time of chbing down, (on account of litigation), wath very fairly well opened ap to commence thping and milling. While this development was going on some 3 , ooo toms or more wore stoped out above the adit level and milled at the " Badger" Nill. Wthough no acearate figures or data were ever kept of this milling it is belies. arom the information gathered, and from statement made by the Manger of the

 ore was eltowntered in the vicinty of the matith hatt.

The sher-heather rock of thin Dintrict are thom of the Later Cambrian series known ats the

rate of drilling by hand being about four (t) feet per hour. Thowe these shates in at eitping of hatrd mamis. Basalt or Trap rock, varting in thickness in different bealities from for feet to foot. The sila
 consideroble quantities. The Animiki slates lie horizontally, and the veins. which are of the the finure lype,
 result of a fatuling of the rocks, and there is in nearly all eases at conciderathe displatement of the hamging ath? foot watls, the thrust varying from to feet to bo feet. . It the " lercupine "the difference de lesel betwern the junction of the trap and shates on the fort wall and its correpponding point on the hanging wall in lo lied. and the depth of the trap capping on the higher side, that is, the footwall, in is feet, below the surface. The


 ghance) and natise silver. The . Irgentite exists in the wein hoth in the nugget and leaf form, mugget- wt
 is also encountered, but in not so prevalent as the black sulphide of siber (argentite). I pale green almal
 magnesia, is found impregnatiog hoth the wein itself atnd along its walls. This mountain tallow han heell found to be intinately ansociated with rich depositions of silver, and in alwils - lowked for an at good indie:ation of the approiteh to a rich chute of ore.
 as 3,000 w\%, in silver to the ton.

Of the Poreapine Mine in Jamary, isho, fatter abme additional development work had been earried ant under my direct anpervision while Mathager of the "Badtrer Mine") I then reported as hallows: - Von will notice by glancing at the accompanging undergromal plath of the Porempine Mine the amount of ore atailathle for stoping as well an what has alrealy been soped out. Ipproximately the in ore enough it preselt blacked wut to keep a 10 stamp mill ruming for att leat two gears, and sinking the present shat two hundred to thre humbed feet deeper, would open up a wery larse we boty of a dualith that
will paty a hamhome makem, over and above the expenser of milling and mining, and I confidently expect that a large amount of smelting ore will be decountered weh is hat alrealy been shipped when the mine was

 Porcupine but upon the same beation and parallel thereto, lien the Porenpine fonior, an excedingly latere and wall defined vein on which deselopment worls was done thortly before the mine cloned
 flow, striking nolid rock formation and what win suppond to he the wein, the outcropping of which shows on
 "here it showed an acerge width of two fed, and wis in place very rich in sher.
 - Her was taken from thee workinge Subsebmetly it wis determined, apparently, that this work was






 cylaration dincorered.






the extension of the second level, both east and west, in driving which some very rich ore has been encoutered, one chote in particular was arnck Nowember fth earrying a 12 inch pay wreah of ore amily ing

 in the bottom of the shatt, which is at present fo feet below No. z ievel. The total amome of deschopment an the main Poreupine comints of 1 .6go feet of drititing and 250 feet of hatting.

## PエANT

When the Company twok over the property in July, no plame exited on the property. Sine then atl - Cellent hoisting plant, capable of hamding 200 tom or more per diem has been installed, with cugine homes.
 stage in the shatt house, and the undergromad working are lighed by electricity, the eldetrie plamt having it :apacity of 50 lights.
 to supply power for a 10 stamp mill in exces of what is now being uned for the hointing phant. The mine heing a particularly dry dine mo trouble in experienced with water, athongh at duphex pump of 170 grallown per minute cepacity is intalled, and would be capable of hamdling the water wen when the working ane birgely increated

A number of the homses whish tand on the Batger property were repaired on that ample homina

 and conk campand ollice wo the Badger and Poreupine properties.
 what work in met with in the ordinary whene of events. For heatier work a mathine shop and bumdry at Port Irthur are easily asatable and prompt serviee is rendered.

The tr meportation problem, whith in the early history of the mine was atory werions and whensia


 poillt trailn rum into fort Arthur, a diatille of es mita

## 巴XPENSESOFOPERATION









 margin for prolit is ample.

porcupine mine shaft and engine housk


BADGER STAMP MILL

## Porcupine Junior

On this wein a development tund was driven wome test leet, from which nome wery rich siker ore wats

 croserent tumblat a bewer bed than the Porcupine Junior tund they could intereet this wein and therehy
 whateser. The therefore drove the tumel wown on the map wome fil feet, with the remblt that, not having
 marked " (0." they veponed they had reathed the wein they were nekking: they then drifted on it for 1.37 leet.

 "Propond (romecut," the Pompune Junior ven will • strack, allowing for the dip of the vein, in about to fiet.

By com-cuting from the matin waft of the main Poreupine, a distance of about $2(x)$ feet, the Porcupine Junior could be hronght into comection with the prement hoisting plamt, and the ore taken wo the mill that way.

Between these two veins there ought not to be the slighten difficulty in keeping at zo-stamp mill, with a capacity of so won per diem, pounding otedily for weral sears. It in alow wers probable that a smath
 are klown to exim, hut hate never heen exploited.


## The Badger Mine


 athtition to the erection of eimp huiklings, ahout one humded feet of drifting wia dene, during which initial


 -

 mill with a dai's ciplatity of thirt! wos were completed.

The Mine is vithated well within the centre of what ha heon tormed the "Siluer Coratellath, "and


## The Keystone

The Kewtone was antil the comatuctan of the men colonimation radd and spur thereto.











## Silver Mountain West
















 and gradninh lawrite.

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|
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 silser mininger in this dialrict.




## Mines $\rightarrow$ section

an




STAMP MILL AT WEST ENO MINE


INTEAIOR STAMP MILL

underground, west end mine

## The East End Mine





 Hay and Pronince of ontario, Canada.

The man sen on the en propertion is a continuation of that of the Wen End Silser Momtana and develop-
 alatt in $2,3 /$ feet in depth, and in stated athout 1.30 fect from the batern boundars of the Weat bind Mine properts. Whout five homdred feet of drifting in two ledeh han heen done from this haft. Other deselop-
 imtermediate leds and hatio hate alow heen drisen on the wein, and it in entimated from the werkingh, that at kint geron ton of milling ore are now on the dump. ready for treatment, and the re in now developed and
 milling capact!, and it would -ecm wioc for the Connany to intall an additional plam at an carl! date.

In the eentere of the property and at the highent attitule are two lake, which will furnish an

 tilct purponen.


EAST END MINE


