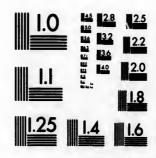


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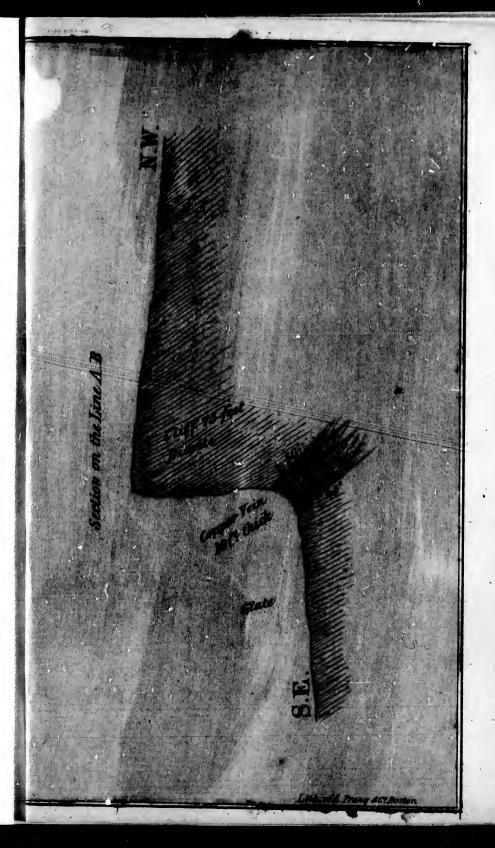
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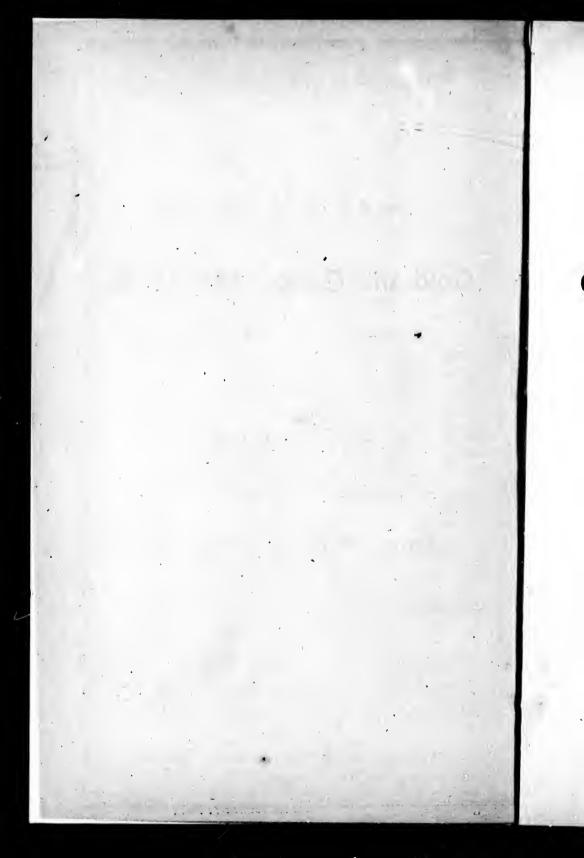
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GEOLOGICAL SURVEY AND REPORTS

ON THE PROPERTY OF THE

SOUTH HAM

Gold and Copper Mining Co.,

TOWNSHIP OF SOUTH HAM, CANADA EAST.

TOGETHER WITH A

STATEMENT

OF THE

CONDITION AND PROSPECTS OF THE COMPANY.

BOSTON:

PRESS OF GEO. C. RAND & AVERY, 3 CORNHILL. 1864. 1864 (5.4)

SOUTH. HAM

GOLD & COPPER MINING COMPANY,

TOWNSHIP OF SOUTH HAM, CANADA EAST.

To be incorporated under a Special Act of Incorporation granted by the Canadian Parliament.

Capital \$500,000, in 100,000 Shares, at \$5.00 each.

OFFICERS.

PRESIDENT.

WILLIS RUSSELL, QUEBEC.

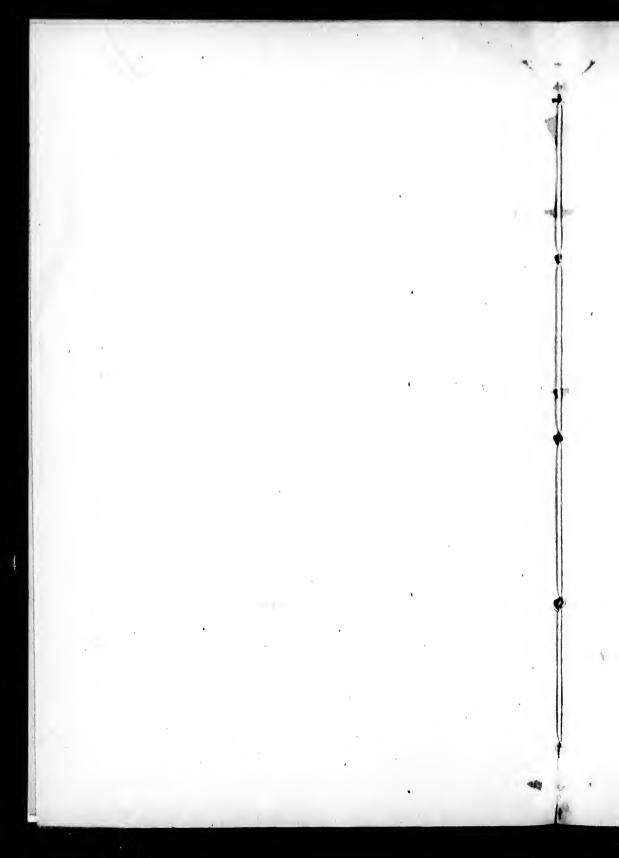
SECRETARY AND TREASURER. WM. WALLACE.

DIRECTORS. .

CHARLES O. ROGERS	•	•	٠	•	•	•	•		Boston.
W. C. DUNTON					•				New York.
SAMUEL B. LOCKE .									Boston.
J. WILLARD RICE .					•				Boston.
WILLIAM WALLACE									Boston.
WILLIAM A. RUSSELL								. '	Lawrence.
WILLIS RUSSELL .									Quebec.

OFFICE OF THE COMPANY,

No. 11 Doane Street, Boston.



SOUTH HAM GOLD AND COPPER MINING CO.

THE property of this Company is situated in a most remarkable and interesting mineral region, being contiguous to mines worked for other ores than copper, viz., native antimony and bell metal, chromic iron, etc. The Nicolet Antimony Mining Company, with a capital of five hundred thousand dollars, having purchased the adjoining property, is in successful operation, producing the ore of native antimony, the only mine being worked for that rare and valuable mineral on this continent. Near to the antimony mine and the property of this Company, on the run of the vein, is the very rich and remarkable Garthby Copper Mine, which produces a solid ore of rare and exceeding richness. On the other side of the Company's property there has been worked a mine for ehromic iron, which, while it was in operation, was highly remunera-These different ores, occurring in the region of the Company's property, must convince every one of the great concentration of mineral wealth on the property acquired by the Company, which is now being developed.

GOLD.

Since the commencement of the organization of this Company, an assay of some portion of the rock of the vein has been made, and found to contain one oz. nine dwts. of pure gold to the ton of rock, surpassing the average yield of the rich quartz veins of Nova Scotia.

THE PROPERTY.

The property consists of 327 acres of land in fee-simple, without the least incumbrance of any kind. There is no royalty except what may be levied by the Crown in common with other mines in Canada.

THE VEIN OR BED.

The vein, or bed, — ten feet wide, — runs diagonally across the Company's property for a distance of a mile, while close to the ore-bearing bluff are streams of never-ficiling water, affording every facility for crushing their ores, and washing, while the entire property is covered with a growth of timber and wood for building purposes, sufficient for the Company's operations for the next twenty years. It is expected that the Company possesses a sufficient extent of the mineral-bearing rock, on the run of the vein, to form at least two more companies for extensive mining, which, if this should be the case, will be sold for the benefit of the present owners and subscribers to the stock of this Company, enhancing, it is hoped, the value of the stock to a great premium.

THE MINE AS IT IS.

The mine, as it is, has all of the necessary buildings upon it, with all the mining tools required, and provisions for the entire season's operations, and is under the superintendence of the well-known and accomplished mining engineer, Herbert Williams, Esq., of Harvey Hill Copper Mines, and the work upon it will be vigorously carried on, both for gold and copper ores, until it proves a dividend-paying concern.

THE PROSPECTS OF THE COMPANY.

The prospects of the Company are highly promising, from the presence of gold, so recently found upon the property. The discovery of gold in the township of Weedon, which Boston, 26 April, 1864.

GEOLOGICAL SURVEYS AND REPORTS.

REPORT OF PROF. HAGER.

STATE OF VERMONT, PROCTORSVILLE, June 20, 1863. WILLIS RUSSELL, Esq.

DEAR SIR: I embrace the first opportunity, since my return home from Canada, to give you my views concerning the Nicolet Lake, or South Ham Copper Mine.

This mine is situated about three-fourths of a mile from Nicolet Lake, on lot 26 in the 1st and 2d range of South Ham, Canada East. The mine is not sufficiently developed to convey to the mind its true character and value, there having been expended only a few days' work, — not enough to show the extent and richness of the vein, even at the surface.

The exposure of the cuperiferous rock is at the base of a high and mural-faced ledge of indurated talcose schist, which overlies, or forms the "hanging-wall" of the vein. This ledge has an extent of more than ten rods in length, and in places presents a face, nearly or quite perpendicular, thirty feet in height. The strike of the rock, which corresponds with the face of the ledge, is north sixty deg. east, with a southeasterly dip. A deep valley, extending the entire length of the ledge, and parallel with it, is found a few rods northwest of the outcrop of ore, by which there is afforded an excellent opportunity for driving in a horizontal adit, should indications of copper at this place warrant an undertaking of that kind. The copper-bearing rock now exposed has a thickness of two to four feet, in which there is disseminated, quite uniformly, the yellow and purple sulphurets of copper. We also saw traces

of the red variety, known among miners, as the "horse-flesh ore." We noticed that the ore was disseminated in a granuular form, though the entire vein-stone, instead of being found in laminated or concretionary patches, of uncertain extent. Should the loose rock and earth be removed along the line of the vein, and copper be found the entire extent of the ledge, possessing the richness of the specimens already found, we should be inclined to place the "surface indications" presented at this mine equal, if not superior, to any which we saw in this part of Canada.

Respectfully yours,
ALBERT D. HAGER.

REPORT OF CHARLES ROBB.

MINING ENGINEER.

53 St. Francois Xavier St., Montreal, 10th December, 1862.

WILLIS RUSSELL, Esq., QUEBEC.

DEAR SIR: On the 2d inst. I visited and surveyed your property in South Ham, on which copper ore has been found; and now beg to submit the following Report thereon, together with a map, showing the position of the lots, and of some of the copper veins thereon.

The property consists of Lots 25, 26, and 27 in the two ranges south of Gosford Road, South Ham, comprising, in all, 327 acres, and is closely contiguous to your antimony mining property, on which I had, on a previous occasion, the honor of submitting a report.

The property is underlaid by chloritic and epidotic slates, irregularly interstratified with bands of feldspathic and horn-blendic rocks, forming a species of diorite, in which probably calcarous matter is also intermixed. At some places the

hornblende rock constitutes a pure diallage. These rocks, by their superior band ss, having resisted denudation, rise, above the general level in the form of bluffs and cliffs, and at their junction with the slates carry copper ores in quantity which seems to be sufficient for mining purposes. The property is surrounded on all sides, and in some places penetrated, by serpentine, and these changes of rock occurring in a metalliferous region, and accompanied, as they are here, by evidences of dislocations and disturbance, are highly favorable to the concentration of the ores of copper and other metals at the points where they occur.

Little work has yet been done in developing the deposits of copper ore on your property. At the place marked A B on the map, a cliff of the description indicated rises to the height of about seventy-five feet, at the base of which, and between the slate-rock and the body of the cliff, a bed or band of the diorite occurs, separated from the rest by a distinet wall or clearage joint, traceable for at least one hundred paces. This band, which is ten feet thick at surface, is of a coarser grain, and more crystalline character than the body of the rock, though not otherwise distinguishable from it. It contains, however, considerable quartz in veins, and throughout it the yellow sulphuret of copper occurs in such proportion as would probably pay for working, even if no improvement were to take place in sinking. A shaft or pit has been sunk upon this vein, to the depth of ten feet, showing the head-wall dipping N. W., at an angle of forty deg., and the foot-wall (slate) in the same direction, at an angle of fifty deg.; thus indicating that the vein increases in thickness, in sinking, while the quantity and quality of the ore evidently undergoes a corresponding improvement, being well distributed through the body of the rock, and associated with magnetic pyrites, which, on working deeper, will probably be replaced by copper. The strike or direction of this vein is N. sixtyfive deg. E.

At the distance of about 150 feet to the west of the pit, on the course of this vein, another ore-bearing vein or bed joins the former, bearing North 45° East, thus forming an angle of 20° with the first. Whether this is simply a deflection of the principal metaliferous bed, or the intersection of another vein, it must be regarded as a highly important and favorable feature; and towards this point of juncture a rich deposit of copper ore may reasonably be expected.

At the point C, where a pure diallage rock occurs, the presence of copper ore in considerable quantity is indicated by much green carbonate on the surface, and on working into it the rock is found to contain copper ore disseminated in fine particles all through it, and occasionally to yield rich masses. But so little work has been done here, that it is impossible to determine the extent or value of the deposit.

At several other points on the property, good indications of copper are found, and although the nature and extent of the deposits have yet to be discovered, there can be no doubt that this property presents a highly promising field for mining adventure, and is well worthy of further development. It is well supplied with wood of the kind required for mining purposes, and is traversed by means of water affording at all seasons an ample supply for washing ores. Though the distance to the railway is considerable (24 miles), the cost of teaming and of labor of all sorts is remarkably low. The total cost for transportation of the ores to Boston or New York will not exceed ten dollars per ton.

I am, Dear Sir,

Yours, very sincerely,
CHARLES ROBB,
Mining Engineer.

Chair Day

REPORTS OF PROF. C. H. HITCHCOCK.

GEOLOGIST TO THE STATE OF MAINE,

WILLIS RUSSELL, Esq.,

DEAR SIR: At your request I have visited and examined the bed of copper ore in Lot No. 26, Ranges 1 and 2, in South Ham, Canada East, and the following is the result of my examination:—

The rock carrying the ore is a gray siliceous dolomite, checked with numerous segregated veins of quartz. It is a member of the Quebec group of the lower silurian system, and is the rock most commonly carrying copper in the Province.

The copper ore is the yellow sulphuret, disseminated more or less abundantly through seven feet of thickness of strata, having the course of north 60° East. The bed is situated at the base of a high bluff, and has been traced a distance of half a mile. A very prominent seam is displayed near the base of the bluff which appears to be the hanging wall.

The ore may be followed through the whole distance of seven feet, occasionally appearing richer along minor veins or irregular lines. The bed dips about 50° south 30° east. Very little work has yet been accomplished, and the full development of the extent and richness of the bed remains to be proved.

The locality is 24 miles from Arthabaska Station, on the Quebec Branch of the Grand Trunk Railway, and hence the ores will need to be crushed and concentrated before they are transported to a distance. It is not a great distance to a stream of water which, for the greater portion of the year, will yield sufficient power for this purpose. A steam-mill would appear to me to be better adapted to the purpose, since fuel is remarkably cheap in the neighborhood.

The gradual descent of the surface to the northwest will afford a considerable facility for drainage, while the necessary water for the washing of the ores is abundant.

The freight of this are would be from \$3.00 to \$5.00 per

ton to Arthabaska, and from thence to Boston an additional \$5.00. If transported to the Lennoxville Smelting Works the railway charges would be greatly diminished, and thus the profits be increased.

Wood costs from thirty to fifty cents per cord in the vicinity, while laborers can be hired for sixty and eighty cents per diem.

The conclusion readily derived from an inspection of the bed, and the amount of work done upon it, is that the appearances indicate the presence of a valuable bed of cupriferous rock — certainly sufficient to authorize you to go on with the development of the property by means of a shaft and costeans.

With sincere respect,

Your obedient servant, C. H. HITCHCOCK,

Geologist to the State of Maine.

QUEBEC, Canada East, Oct. 31st, 1863.

W. A. RUSSELL, Esq.,

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DEAR SIR: At your request I have paid another visit to the bed of copper ore upon Lot No. 26, in South Ham, Canada East.

It will not be necessary for me to repeat what I have heretofore said in a letter to Willis Russell, Esq., respecting the appearance of the ore at the surface. I will only state the differences manifested at my second visit.

Much of the rock appears very much like serpentine; and it may pass into it occasionally, — particularly so since it lies by its side.

The rock has been opened to the depth of fifteen feet from the surface, and very plain foot and hanging walls are displayed. At the top of the opening, the full ten feet thickness carrying the ore can be clearly seen. Part way down the rock is "hungry," as the miners say, or not so fully charged with ore as it is above. But in the bottom the ore shows itself again abundantly. Immediately adjacent to the foot-wall, are nearly two feet thickness of loose schists associa-

ted with decomposed slates and gossan, all of which carries copper. This I regard as a favorable indication for the presence of copper. The copper seems to be the richest next the two walls.

The copper-bed dips into the hill about 60°. Quite a large pile of ore lies near the opening. And a considerable preliminary work has been done in the vicinity.

I have had enough experience in examining beds of copper ore situated geologically like your property, to be satisfied that you will find the ore to vary considerably in quantity at different levels. At one time it will be very hungry, and then within a few feet it will expand enormously, and be very rich.

The indications are such as to make me advise you to expend considerable more labor in developing the bed. Before any of the ore can be transported to the market it should be crushed and sorted up to seven or eight per cent. of metallic copper, at least, in order that no unnecessary gangue work be carried over the road to the station.

Very respectfully,
Your obd't serv't,
C. H. HITCHCOCK.

16 BOYLSTON STREET, BOSTON, 22d March, 1864.

WILLIS RUSSELL, Esq.,

DEAR SIR: Your ore has been assayed for gold. It was found that the gold was connected with the copper ore, hence some of the rock was dressed off, and then the amount of ore was smaller than would be the case in large operations.

One ton of ore yielded, one ounce nine pennyweights of pure gold.

Truly yours,

A. A. HAYES.

An Act to incorporate the South Ham Copper Mining Company.

WHEREAS the persons hereinafter named have Preamble. by petition represented that they desire to engage in the business of exploring, mining, smelting, manufacturing, and disposing of copper and other ores in the County of Wolfe, in the District of Arthabaska, in the Province of Canada, and that they can do so to better advantage by the aid of a charter of incorporation, and have prayed for an Act to that end; and whereas it is expedient that such prayer be granted. Therefore Her Majesty, by and with the advice of the Legislative Council and Assembly of Canada, enacts as follows:—

1. J. Willard Rice, Samuel B. Locke, William Incorpora-Augustus Russell, and Willis Russell, together with all such other persons as shall become shareholders in the company hereby constituted, shall be, and they are hereby made a body corporate and politic, by the name of "The South Ham Copper Mining Company."

2. The Company may carry on the business of exploring for mining, smelting, manufacturing and selling copper and other ores and metals, and for these purposes may acquire and hold by purchase, lease, or other legal title, such lands and mining rights in lands in the district aforesaid, not at any time exceeding two thousand acres, in superficies, Real Propand construct and maintain such buildings and machinery, and other improvements thereon, and sell

Business of Company.

and dispose of the same and acquire others in their stead, as the Company may deem to be for its advantage, and acquire any royalty or percentage payable for the privilege of mining, smelting, or manufacturing copper and other ores and metals; provided however that the acquisition of such royalty or percentage shall not entitle the Company to carry on any mining operations beyond the limits of the said district; but such Company may carry on smelting and manufacturing operations elsewhere in the said Province than in the said

Proviso.

Capital Stock.

district.

3. The capital stock of the Company shall be the sum of five hundred thousand dollars, divided into shares of five dollars each, and may be from time to time increased, as the wants of the Company require, by vote of the stockholders, at a meeting of the Company called for the purpose, to an amount not exceeding one million dollars in the whole; provided always that no such increase of stock shall be made until the whole amount of the original stock of the Company shall have been bond fide paid in.

Proviso.

Payment of instalments on shares, & forfeiture of shares for non-payment. 4. The capital stock shall be paid by the subscribers therefor, when, where, and as the directors of the Company shall require, or as the by-laws may provide; and if not paid at the day required, interest at the rate of six per centum per annum shall be payable after the said day, upon the amount due and unpaid, and in case any instalment or instalments shall not be paid as required by the directors, with the interest thereon, after such demand or notice as the by-laws prescribe, and within the time limited by such notice, the directors may by vote, reciting the fact, and duly recorded in their records, summarily forfeit any shares whereon such payment is not made, and the same shall thereupon become the property of the

Company, and may be disposed of as the by-laws or votes of the Company may provide.

5. The stock of the Company shall be deemed Assignment personal estate and be assignable in such manner only, and subject to such conditions and restrictions as the by-laws prescribe; but no share shall be assignable until all instalments called for thereon have been paid, unless it has been declared forfeited for non payment.

6. At all meetings of the Company every shareholder, not being in arrear in respect of any instalment called for, shall be entitled to as many votes as he holds shares in the stock of the Company: and no shareholder, being in arrear, shall be entitled to vote; and all votes may be given in person or by proxy; provided always the proxy is held Proviso. by a shareholder not in arrear, and is in conformity with the by-laws.

Votes of Shareholders.

Qualification, election, and quorum of Di-

7. The affairs of the Company shall be administered by a board of not less than five and not more than seven directors, being severally holders of at least one hundred shares of stock, who shall be elected at the first general meeting, and thereafter at each annual meeting of the Company, to hold office until their successors are elected, and who (if otherwise qualified) may always be reelected; and four members of such Board, present in person, shall be a quorum thereof; and in case of the death, resignation, removal or disqualification of any director, such Board, if they see fit, may fill the vacancy until the next annual meeting of the Company, by appointing any qualified shareholder thereto; but a failure to elect directors, or any failure of directors, shall not dissolve the corporation, and an election may be had at any general meeting of the Company called for the purpose; provided that voting by proxy shall not be allowed at any meeting of the board of directors.

Provision in case of fallure to elect.

Powers of Board of Directors.

8. The Board of Directors shall have full power in all things to administer the affairs of the Company, and to make or cause to be made any purchase and any description of contract which the Company may by law make; to adopt a common seal; to make from time to time any and all bylaws (not contrary to law or to the votes of the Company) regulating the calling in of instalments on stock and payment thereof, the issue and registration of certificates of stock; the forfeiture of stock for non-payment; the disposal of forfeited stock and the proceeds thereof; the transfer of stock; the declaration and payment of dividends; the appointment, functions, duties, and removal of all agents, officers, and servants of the Company; the security to be given by them to the Company; their remuneration and that (if any) of the directors; the time and place for holding the annual and other meetings of the Company within the Province or elsewhere; the calling of meetings of the Company and of the Board of Directors; the quorum; the requirements as to proxies; the procedures in all things at such meetings; the site of their chief place of business, and of any other offices which they may require to have; the imposition and recovery of all penalties and forfeitures admitting of regulation by by-law; and the conduct in all other particulars of the affairs of the Company; but every such by-law, and every repeal, amendment, and reënactment thereof shall have force only until the next annual meeting of the Company, unless confirmed at some general meeting of the Company; and every copy of any by-law under the seal of the Company and purporting to be signed by any officer of the Company, shall be received in all courts of law as prima facie evidence of such by-law.

9. Until the first election of such Board the said J. Willard Rice, Samuel B. Locke, William A. Rus-

Provisional Board of Directors. sell, Oramel N. Russell, and Willis Russell shall be a provisional Board of Directors for said Company, with full flower to fill vacancies, to open stock books, assign stock, make calls for and collect instalments, issue certificates and receipts, convene the first general meeting of the Company at such time and place within this Province, or elsewhere, as they shall determine, and to do other acts necessary or proper to be done to organize the Company and conduct its affairs.

10. In addition to their ordinary place of busi- Places of business within this Province, the Company may establish and have any place or places of business in this Province, in Great Britain, or in the United States of America, and may at any one thereof order, direct, do, and transact their affairs and business, or any thereof, in such manner as may be prescribed by their by-laws.

11. The Company shall not be bound to see to the execution of any trust, whether express, implied, or constructive, in respect of any shares; and the receipt of the person in whose name the same shall stand in the books of the Company shall be a discharge to the Company for any dividend or money, payable in respect of such share, whether or not notice of such trust shall have been given to the Company; and the Company shall not be bound to see to the application of the money paid upon such receipt.

Execution of

12. The shareholders of the Company shall not, Liability of as such, be held responsible for any act, default, or liability whatsoever of the Company, or for any engagement, claim, payment, loss, injury, transaction, matter or thing whatsoever relating to or connected with the Company beyond the amount unpaid upon their shares in the stock thereof.

Shareholders.

13. All contracts, promissory notes, bills of ex- Contracts, ac., need not change, and engagements made on behalf of the be under seal. Company by the directors, officers, agents, or ser-

vants of the Company, in accordance with their powers under the by-laws, or by vote of the Company, shall be binding upon the Company; and in no case need the seal of the Company be affixed thereto; nor shall such directors, officers, agents, or servants thereby become in a idually liable to any third party therefor; but the Company shall issue no bank-note or note to circulate as money.

Proviso.

Commencement of operations.

Province

14. The Company shall not commence operations under this act until at least ten per centum on the another of their capital stock shall have been paid in; provided always that unless mining operations be commenced under this Act within five years from the passing thereof and continued bona fide, this Act of Incorporation shall be null and void, saving only to the said Company the right to part with any real estate which they may hold, and to make such conveyance as may be necessary for that purpose.

Public Act.

15. This Act shall be deemed a Public Act.

BY-LAWS

OF THE

South Ham Gold and Copper Mining Company.

ARTICLE I.

Said Corporation shall be known and called by the name of "South Ham Gold and Copper Mining Company."

ts business shall be the mining and smelting of copper and ther ores in that part of the Province of Canada called Canada Eat, and its principal office shall be in the city of Boston, in the Commonwealth of Massachusetts.

ARTICLE II.

The Board of Directors shall consist of not less than seven members, to be chosen annually by ballot; and said Board shall choose one of their number to be President of the Corporation; whose duty it shall be to preside at all the meetings of the Corporation and Directors, and in general to perform all the duties incident to such corporate office. In his absence the Board may appoint a President pro tempore with like powers and shall have power to fill any vacancies occurring in their number.

ARTICLE III.

A Clerk and Treasurer, who may be one and the same person, shall be appointed and chosen by the Stockholders at their first meeting and hereafter at the annual meetings of the Company; and shall continue in office until the next succeeding annual meeting, or until others are chosen and accepted in their places. The Directors shall have the power to levy an

assessment not exceeding twenty-five cents per share to be called for as the necessities of the Company may require.

They shall have the general supervision and control of the Company's affairs; they shall hold their first meeting upon due notice being given by the Clerk and hereafter shall meet at such times and places as they may deem needful and convenient.

The Clerk shall notify meeting of the Directors upon the request of any two of their number, by giving a written or printed notice of the time and place thereof to each Director.

The Directors may appoint such agents or Superintendents as they may deem best, and may fix the compensation of the Treasurer or of any other person employed by the Company.

They shall also from time to time order such division of the profits of the Company as they may think advisable, and at any of their meetings four Directors shall constitute a quorum for the transaction of business.

ARTICLE IV.

The Treasurer shall have the custody of all moneys, valuable papers, books, and accounts of the Company, subject at all times to the inspection and control of the Directors.

He shall give or negotiate such Bills of Exchange or Bills Receivable for such amounts and at such times as the business of the Company may require, and at the Directors' order, but for no other purpose. He shall record all transfer of Stocks, shall cancel and carefully preserve certificates of all Stock transferred, and shall perform all duties pertaining to the office of Treasurer.

He shall take suitable vouchers for all moneys paid out by him on account of the Company, but no money shall be paid out unless by written approval of one or more of the Directors. He shall give such bond for the faithful performance of his duties as shall be satisfactory to the Directors.

ARTICLE V.

The annual meeting of the Corporation shall be held on the third Tuesday of April in each year, at such time and place as the Directors shall designate, due notice of which shall be given by the Clerk in such manner as the Directors shall prescribe, either by personal notice to each Stockholder, or by publication in the newspapers, in either mode seven days at least before the day of meeting.

And special meetings may be called by giving written notice to each Stockholder, by order of the President, or of Stockholders representing one-fifth of the Capital Stock.

ARTICLE VI.

A record of all proceedings of the Corporation, of the original articles of agreement, of the By-Laws, and of all conveyances to and from the Corporation shall be kept by the Clerk; and the Directors shall also cause a record to be kept of their proceedings, which shall be subject to the examination of the Stockholders at any meeting of the Corporation.

ARTICLE VII.

The Corporation seal shall be a circle on which shall be berne the name of the Company, and the year of its organization.

It shall be in custody of the Treasurer.

ARTICLE VIII.

The Directors shall cause a quarterly examination of the Treasurer's accounts with the vouchers therefor to be made by a Committee of the Board, who shall sign a report thereof upon the Directors' records. At the annual meeting a similar examination shall be made by a Committee of the Stockholders, whose report, signed by them, shall be entered by the Committee upon the records of the Corporation.

ARTICLE IX.

The Capital Stock of the Corporation shall be the Sum of Five Hundred Thousand Dollars, to consist of One Hundred Thousand shares of the par value of Five Dollars each, certifi-

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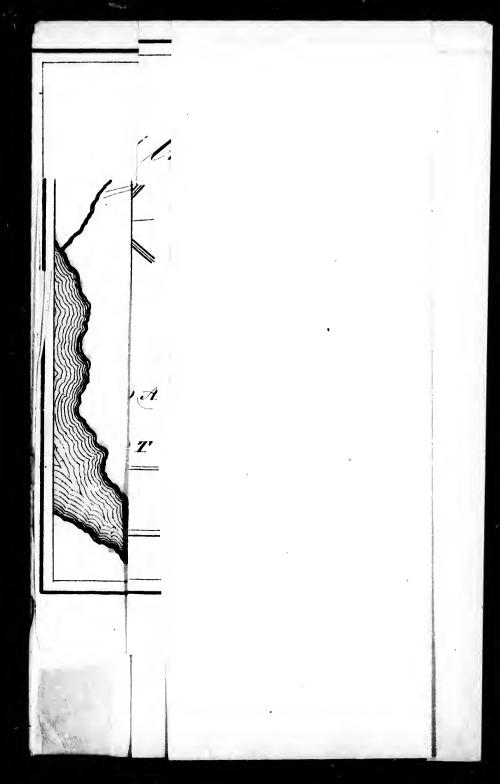
cates of which, duly numbered, signed by the President and Treasurer, shall be issued to the several Stockholders, under the Seal of the Corporation, and be duly recorded by the Clerk upon their first issue, and every subsequent transfer of the same.

ARTICLE X.

The By-Laws of the Corporation may be altered, amended, or repealed at any annual or special meeting, provided that in either case such alteration, amendment, or repeal is proposed in the notice for such meeting.

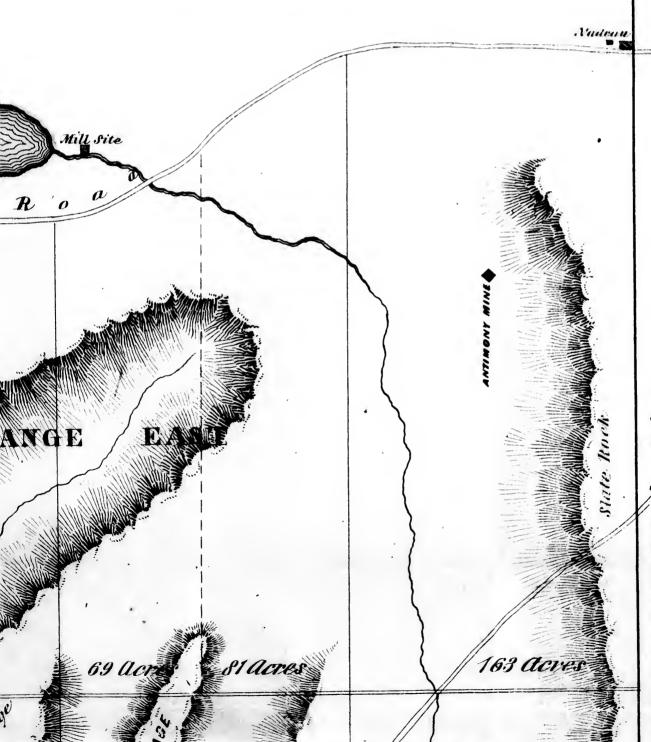
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Map of Mining Location Litrang & Co. Litte. Hoston. Mill Site SERPENTINE Chromic Iron O MINED Soopstone

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