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Attract Attention---COBALT COBALT---Portage Bay Again Extension

COBALT IS IMPORTANT

Writer in The Scientific American Points Out the Possibilities of Cobalt's Uses.

Aftan Porter, writing in The Scientific The new mining region which is being

outcroppings of ore having been found as high as 500 feet above Lake Temiskaming, while workings in the lake itself have also yielded ore of a high grade. Altho the principal mining operations at the present time are being donducted immediately around the Town of Cobalt, ore containing a large percentage of not only cobalt and silver, but also some gold, has been found fit Ingram, thirty miles north of the present field, while a vein has also been located thirty miles south, which gives been but certainly error of solds. From time to time reference has been made to the work which Mr. Edison is doing. It is known that the miles are percent, cobalt, 7 per cent, nickel, 23 per cent, arsenic, with a mere trace of silver, but averaging nearly \$10 worth of gold to the ton. While the entire region about these points has been but certainly examined, the experts to whom we have referred believe that the United States and Canabeen to attempt the statement that he had discovered a substitute for lead which would which would the statement that he had discovered as a substitute for lead which would the statement that he had discovered a process by which it can be secured from the ore in such a first purpose. The property is a substitute for lead which would be a consideration of \$125,000. Several verial examinations of mineral deposits both in the United States and Canabeen to a trigitly examined, the experts it which he intends utilizing is cobalt, and of unknown width.

A Buffalo syndicate, composed of Dr. Walter L. Savage, Aaron Fybush, attending the state, administration of the surface and the state are a being constructed under the supervision of the Surface of the surface to the supervision of the surface to make the ore-bearing region fully sixty miles in length and of unknown width.

As we have stated, the examinations of the surface to make the ore-bearing region fully sixty miles in length and of unknown width.

As we have stated, the examinations of the surface to make the ore-bearing region fully sixty miles in

alysis of quantities of ore taken from different portions of the field give the clearest idea of the proportions of the various metals. A carload of ores taken at random from a series of five veins at Cobalt showed the following percentages when analyzed: Silver, 11.41; co-balt, 11.27; nickel, 3.78; arsenic, 44.16.

most systematically thus far, furnishes at present the best illustration of the at present the best illustration of the extent of the veins. The main shaft at this mine is down to 100 feet and drifts have been made for a distance of over 300 feet at this level. These drifts show that the vein of ore is as extensive and as rich as the portion which was first discovered. The mine was one of the series to be investigated by the mineralogists. Here the diamond drill has bored to a depth of 350 feet, ore being found at the greatest distance from the surface. The Trethewey mine contains

percentage of metal which it carries. The veins thus far located thruout the district are not noted for their size. They average from 10 to 12 inches, in one or two instances widening to 18 inches. The geologists are still in doubt as to the formation of the veins, but believe they were created by the action of highly heated water which permeated the narrow vertical fissures where they are found. These fissures cut thru the rocks of the geological ages to which we have referred.

Owing to the presence of so much ore near the surface, mining operations in the Cobalt district are notable for the crude methods employed. As already stated, the majority of workings are practically on the surface,

ings are practically on the surface, the earth and rock covering being stripped off and open trenches dug to conform to the size and direction of explored in Northern Ontario is per-the vein. Some of the largest pro-ducers have not been mined to a dis-standpoint as from the fact that it is tance of 25 feet below the surface as of considerable extent. While the principal output has been silver, it is now known beyond question that the percentage of the cobalt in the ores is so

compared to the context of the results of the context of the conte

enough to the surface to make the orebearing region fully sixty miles in
length and of unknown width.

As we have stated, the examinations
of the veins thus far opened have been
sufficiently exhaustive to give an idea
of the character and grade of the ores,
while a number of the mines has been
opened to a sufficient extent to make a
conservative estimate of the possibilities of the output. While silver is the
principal output, the ores are remarkable for their diversity. They include
native silver, smaltite, niccolite, argentite, cobalt bloom, nickel bloom, milleritie, dyscrasite, galena, copper and iron
pyrites and zinc blende.

The principal vein stone thus far
found is calcite, while considerable
quartz is taken out mingled with the
ores. Some of the outcrops so closely
resemble pure silver that very exaggerated statements have been made as to
the richness of the field. It has been
claimed that pieces of ore have been
taken out that are practically pure silver weighing as much as 150 and 200
pounds, but as a matter of fact no nuggets of pure metal anywhere near these
dimensions have been obtained in the
opinion of the mineralogists. The analysis of quantities of ore taken from
different portions of the field give the

NIPISSING NEW OFFICERS.

Are Elected and President Earle

Retains His Position. New York, Feb. 4.-At a meeting of Nipissing Mines Company directors, held balt, 11.27; nickel, 3.78; arsenic, 44.16.

It will be noticed in this carload the percentage of cobalt nearly equaled that percentage of cobalt nearly equaled that rell, E. C. Converse and Col. Robert M. \$112.26. percentage of cobalt nearly equaled that of silver. A carload from another portion in the vicinity, however, gave 15.6 per cent. of cobalt, merely a trace of silver and 61.74 per cent. of arsenic, the percentage of nickel being 7. These figures can be taken as a fair standard of the grade of ores in the district, althous one of the mines contain a considerably larger percentage both of silver and cobalt. The bulk of the ores is transported to New Jersey for reduction, the average cost of transportation per carload being \$150. The quality of the metal, however, is such that the several mining companies have been sending not only the first-grade but their second-grade ores to be treated, as the second-grade ores to be treated, as the second-grade assays from \$200 to \$300 per ton.

La Rose mine, which was the first to be opened and has been worked the most systematically thus far, furnishes at present the best illustration of the silver and colable that the several mining companies have been sending not only the first-grade but the several mining companies \$1,20,000.

Silver Star Sells a Claim.

Silver Star Sells a Claim.

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McGregor v. Forgis, \$17.64.
Watson v. Forgis, \$99.99.
Wyer v. Canadian Pacific Railway Company, \$67.37. Low v. Darleyson, \$40 Hamilton v. Campbell, \$95. Virtue v. Wallace, \$9.

Ward v. McCutchecn, \$50. Hughes v. Babister, \$60. Virtue v. Jones, \$15. Jackson v. Curriaco, \$5.
Gould v. Walsh, \$22.
Cruttenden v. Rogers, \$3.35.
—Adjourned Suits—
McKeegan v. Coffee, \$19.
Allward v. Waters, \$100.
McMiller v. Waters, \$100. McMillan v. Newman, \$42.95. Harnden v. McMullen, \$17.50. Export v. Can. Piano Co., \$30. Berliner v. Allalla, interpleader. Berliner v. Allalla, interpleader.
Cousins v. Macdonald, \$26.07.
Kortosk v. Turk, \$64.
Empire v. Bodes, \$11.01.
O'Malley v. MacMahon, \$10.
Anderson v. Standard, \$75.
Burrow v. Cooper, \$20.30.
Ont. Coal Co. v. Petrie, \$69.65.
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to live-but Dr. Agnew's Cure for the Heart foiled them and cured

bored to a depth of 350 feet, ore being found at the greatest distance from the surface. The Trethewey mine contains ore of such a grade that 50 tons of it have actually yielded 190,000 ounces of silver, in addition to 12 per cent, cobalt gilver, in addition to 12 per cent, cobalt and 31-2 per cent, nickel. Like most of the other operations in the district, an open cut which at the present time than that in which are being sunk with every foot in depth; an open cut which at the present time is 60 feet in length and 25 feet in depth; the vein of ore averages but 8 inches in odoubt that this section will very soon report a number of shippers.

Coleman Township.

There is no portion of Coleman Township. There is no portion of Coleman Township will at the present sufferer from Heart Disease. For days at a time she ship attracting greater attention at the briese time than that in which are situated the properties of the Cobalt Union Mines, Limited. This company, as well as several other strong companies surrounding it, are actively pushing development work, and shafts are being sunk with every foot in depth showing more valuable minerals. There is no doubt that this section will very soon report a number of shippers.

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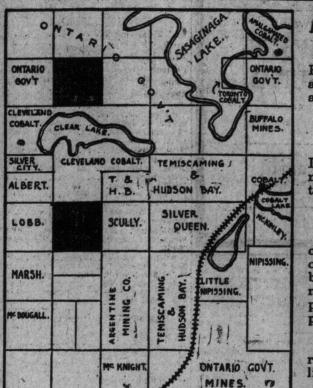
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Big Veins of Silver Queen Mine running west into this lot. The north let lies in the midst of

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Mr. S. Lawrence, M.E., who submitted a report after examination of both properties, says that on the South property there is a "strong vein eighteen inches wide." The value of the North claim, he submits, is "enhanced by the fact that on the claim next east on sinking is found native silver."

. "The two properties are well located, being only one mile from the railway, and also in the heart of the mineral belt.

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