PAGE FOURTEEN

Development Work in West Shining Tree Yields Rich Results

Ribble vein.

THURSDAY MORNING JANUARY 24 1918

Dominion and Genera Toward

THURS

While trading change continu narrow rut, the indications that comparatively material increa mand would res toward higher issues to which restriction appe solid barrier aga being sought a above the min the market is d dertone by degr Firm spots Steel. minion Steel, Electric and Ma sold at 56 for ectric, at 1011/2 the minimum; was slightly h buoyant at 75% in which transa came out at unchanged at 3 the second issu and the third sl The day's tra



240 shares an

Declines Af Are Foll

New York. Jan drifted aimlessly being succeeded these in turn g

these in turn g rally, with yet the close. The final rever Secretary McAd congressional co-again urged pri-realized per realized per realized per realized per realized per to its bearing. u bashs to be flow fiscal year. Other Washin served to unset the extension of maintenance of maintenance of dule on copper Specialties a large part of th lative issues, wh standard stocks within narrow b Industrial con

production of were further as ckade. accor United States active issue of on persistent to 400,000 share

call loans contin depositing of go cal institutions.

MINING

REM

gcld-laden solutions. Indeed, it is more than probable that the gold itself came in with the diabase, Mr. Rogers' Qualifications. Gold mines. He is a na-uth Wales and a graduate

exploi

notwithstanding the cut-off, the original quantity of vein matter does not appear to be in any way diminished to be in any way

sale for \$550,000 to English capitalists, but shipment: have been discontinued in the vicinity of the outer walls of the since the beginning of the war. Mr. Rogers then began a very thoro investi-gation of the various mining distriets of northern Ontario, and finally came to the conclusion that the best opportunity for substantial profits lay in the develop-ment of that portion of the great Ribble vein, now owned by his company. Sampling the Ribble Vein. As a preliminary to the organization of the Wasspika Gold Mimes, Limited. Mr. Rogers made a systematic and very thoro sampling of the outcrop of the Ribble vein. From 101 determinations of values there is not a single blank. These constant tenors are unusual in northern Untario. Surface assays the often hieft.

b the number of the space of this vent, whether circular, square, lo ngitudinal or merely irregular, is immaterial, so long as it has sufficient dimensions, tho, of course, any marked irregularity adds greatly to the cost of mining.
Evidently the cost of mining.
Evidently the cruptions of the diabase created openings, which facilitated the migration of the solutions, and if the gold then came in it must have been in contact with both the walls of the diabase basic dikes.
The vein at the famous Silver Islet mine intersected a single dike, and this led to the accumulation of one great boordare in the summation of one great boordare in the summation of one great boordare in the summation of the solutions. Ribble vein. From 104 determinations of values there is not a single blank. These constant tenors are unusual in northern Ontario. Surface assays, the often high, are often spotty. but on the Wasapika, 18 samples taken at intervals over a length of 150 feet and a width of 40 inches gave \$10.40 per ton in gold. Fifty-e ght carefully molied samples were also taken for a width of 49 inches, on an-other section of the vein, 280 feet in length, and the average values were \$8 per ton.

per ton. Sampling by Engineer Dixon. George W. Dixon, E. M., consulting en-gineer of the Buffalo Mines, of Cobalt, also examined and sampled the property. Also examined and sampled the property. Mr. Dixon traced the outcrop of the great ve.n for its total length of 2000 feet. He took many simples at inter-vals along this entire outcrop. The low-est assay was \$1.20 and the highest \$261.50 in gold. Results equal to this are seldom, if ever, obtained from surface samples in the gold fields of northern Ontario. Ontario

Ontaric. Rolls in the Ribble Vein, In studying the accompanying plan, it is necessary to bear in mind that the course of the Ribble vein is nearly north the course of the Khoble vein is nearly north and south. The smaller of the two sec-tions into which it has been divided is on the south, and the larger, or mainly folded section, on the north. The break between the two is about 150 feet wide. Apparently the upheaval of the diabase compressed or crumpled the vein into the rolls or folds shown on the sketch. The diabasic dikes were also vehicles of heat and they opened sufficient channel for the ascension and infiltration of the

the gold itself came in with the diabase and is, therefore, of a later generation than the mass of the vein, tho the Andes itic lava and the granite were, no doubt, the main sources of the precious metal. Section in Which Rolls Occur.

It will be noticed that the principal rolls occur in the northern portion of the vein, and that apparently a portion of the vein has been displaced and pressed into the northern section. Here the ore body has been considerably widened, and notwithstanding the cutoff the emicine

Personal Examination,

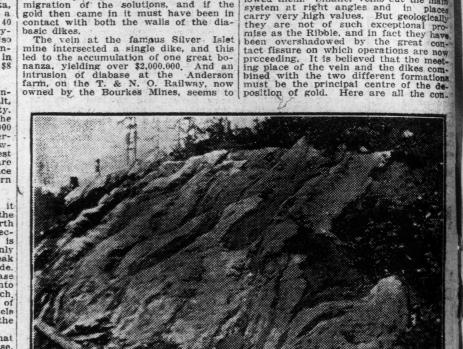
Having made a very careful examina-

DIKE

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RHYOLITES AND PORPHYRIES

Bought and Sold



Small section of the Ribble vein.

the sole cause of the very rich ore, ditions which unmistakably point to the

be the sole cause of the very rich ore ditions which unmistakably point to the which can now be seen on that property existence of a very big mine. But here there is only a zone of com-pression caused by the upheaval, while, a Work at the Wasapika Mines. Before the winter set in comfortable camp buildings had been erected at the mine, and supplies of all kinds are now on hand. With adequate provision thus metamorphism, and wherever found they carry high-grade ore. There is a limit-te d development of this type at the Por-cupine Crown in Porcupine, and in some of the gole mines of California. The famous "Saddle Reefs" of Bendigo, Aus-trails, are somewhat analogous but the

Original prospector's cabin at Wasapika.

that the close of the war will see a wonderful transformation in this favored pegion. It seems destined to advance by leaps and bounds. Its merits have been long recognized and with a railway located to secure its thoro development it will soon rank with Porcupine and Kirkland Lake.

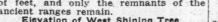
ANDESITIC

The Timiskaming and Northern Ontario Railway.

The Timiskaming and Northern Ontario Railway. It is well-known that the Timiskaming and Northern Ontario But in this enterprise the government builded better than they knew. At the very gateway of the broad belt of fer-tile land, the road stumbled onto Co-balt, the richest silver region that the passing centuries have known. While mines in other parts of the wold rarely raise ore running even 100 ounces, the cobait mines have yielded ore carrying a short time their producting sources of this stroke of good fortune came the discoveries of the other producting county in the world. And 'largely in consequence of this stroke of good fortune came the discoveries of the rober producting mining fields. And as yet we are far from the end. Every mining man now believes that there are other metalliferous wolds atil uncon

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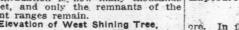
In northern Ontario begins a vasi area of metal-bearing rocks of pre-Cambrian age, which extcads northeastward, as well as northwestward, for many hundreds of miles, on both sides of Hudson Bay. In early geological ages this region was the seat of great mountain ranges, and the nucleus of the continental mass. But eternal time has laid its corroding hand on the mountain tops, and has finally brought them to a much lower level. Weathering and erosion have pro-ceeded thru countless acons, and the to-tal degradation is now many thousands of feet, and only the remnants of the Ribble vein,



of feet, and only the remnant ancient ranges remain. Elevation of West Shining Tree. The general elevation of West Shining Tree is now about the same as that of Porcupine, or, approximately, 10=0 feet above the sea. The region as a whole is one of low relief, and few of the veins have outcrops more than 50 feet above the permanent water level. Wood and Water Plentiful, the

According to our provincial geologists the gold of northern Ontario is geneti-cally connected with granites, to which the name Algoman has been applied. These granites belong to the younger generat on and are found at Porcupine. West Snining Tree, Kirkland Lake and the other gold regions of northern On-tario. The older or basement granites





George R. Rogers, referred to above. is also president and general manager of the Wasapika Gold mines tive of New South Wales and a graduate of the famous Balarat School of Mines. Victoria, Australia. He has constantly practiced his profession both in Austrative of Nev



His very tation of that property resulted in its

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as yet we are far from the end. Every mining man now believes that there are other metalliferous worlds still uncon-guered. **Chance Discoveries.** The Canadian Pacific Railway inad-nickel-copper mine now valued at ten millions of dollars, and now being oper-ated by a strong company in which the British Government holds the controlling interest. Cobalt was born as the child of chance, with a silver spoon in either hand. And in its more or less intermittent mining operations, New Ontario has allever, nickel and copper. And incidentally we

LAVA

DIABASIC

RIBBLE VEIN

DIABASIC



Ribble

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SUARTZ SUARTZ

The above diagram shows a section of the famous Ribble Vein at the Wasapika Gold Mine

J. T. EASTWOOD

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RIBBLE VEIN

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> Trading broad local mining may was no clearly of gains and smag gled. One of the gold group Kirkland Lake, upward move reports that the which were su may be the s as it is stated mine has been mained steady 1.37. but Hollin 0 5.00 was held yestement of earn In the Col

stendy aroun and Beaver BANK OF

The direct treal have de terly dividen-able March Jan. 31/

BREAK

J. P. Bicke following at The market the last hou outside suppo sional sellin ably oversold of abandonm brought out

sue

LIVE

Liverpool, closed (uiet. 2343; February 2243; May, 2: prices): Janu ary, 2208; Feb April, 2190; A 2124; June-Ju

CEM A dividend

Canada Ceme stock. It is bursement o on Feb. 15, Jan. 31.

VETERAN Halifa annual m Nova Scot zant ret Gency, T

occupied Charles president bell and presiden