

THIS week's "Monetary Times" is mainly devoted to the mineral development of New Ontario, and especially to silver mining in the Cobalt district, where the first find of precious metal was made in September, 1903. It is the first of the "Canada Expansion Numbers" which will be issued from time to time by "The Monetary Times," with a view to making known in other countries the commercial development of the Γ minion. "The Monetary Times" is the leading financial paper of Canada, and is published at 62 Church Street, Toronto. A subscription form will be found on page 93.



This photograph is of "Number 26" on the Nipissing Mining Company's property at Cobalt. It is a typical illustration of early and present conditions at the camp, and shows "open-cut" mining. A vein was found by shovelling the earth from the solid rock. It has already been followed to a depth of about sixty feet. The ore in it is extremely rich, and specimens taken from the "waste" have assayed 150 ounces to the ton, or about seventy dollars' worth. From a similar cut, about 100 feet long, on "Number 19," \$400,000 worth of "Number 26" two nuggets were recently found on the surface of a large vein, one of which contained silver of the value of \$350.

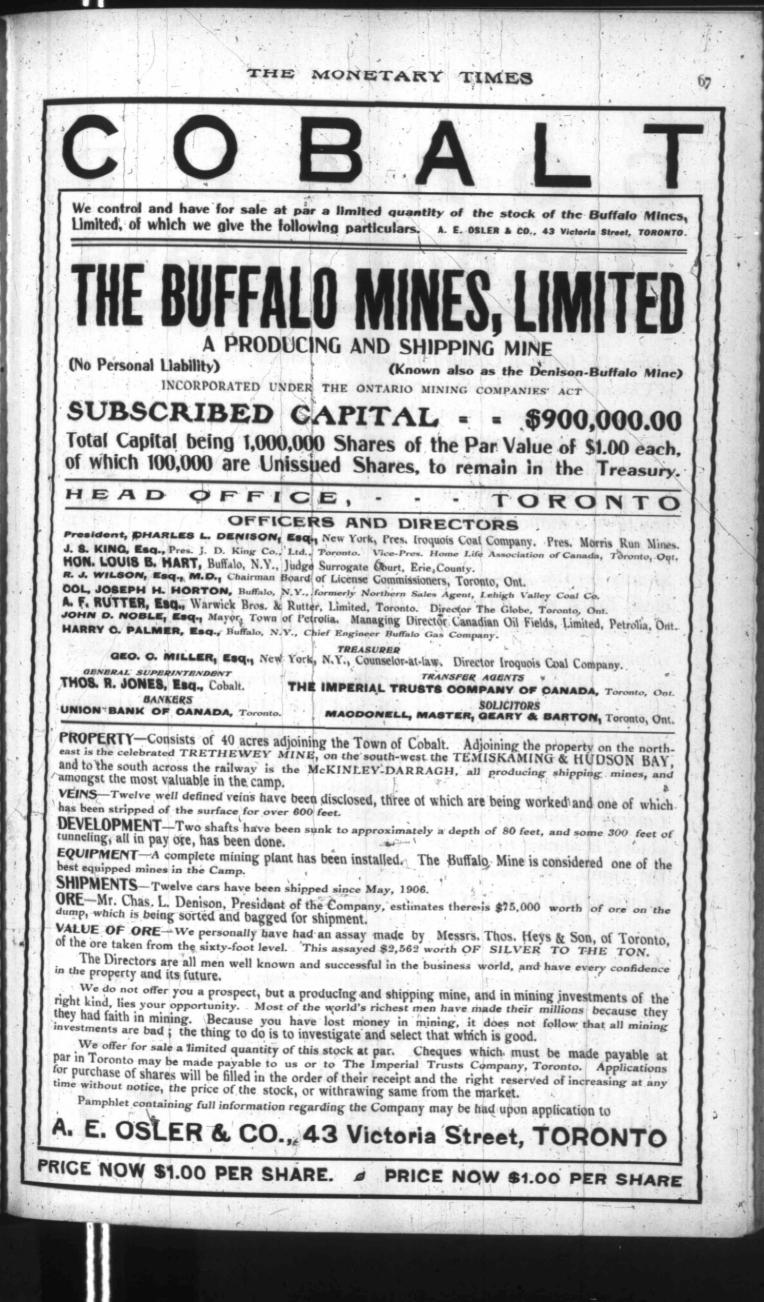
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NAKANANANANAN	THE first mining district in the world where a responsible Government has given the investors protection. The only camp of enough importance for an entire legislature to visit officially. Investors have a strict Government Inspection and Supervision. Cobalt is the camp of profit; Cobalt is the camp of dividends. Buy your stock of responsible brokers; they will not sell you shares in badly managed companies.	CNo P SU Tota
	In one year Cobalt mines have produced as follows: Nipissing, 51,200,000 Foster, \$250,000 Timmons, 600,000 Jacobs Kerr Lake, 400,000 Trethewey, 700,000 Drummond, 300,000 Trethewey, 700,000 Silver Queen, 200,000 McKinley Darragh, 350,000 Silver Queen, 200,000 McKinley Darragh, 350,000 Violet 100,000 This ore was shipped and smelted at a cost of less than ten per cent, of the amount realized. Can this be equalled anywhere? Shares have advanced in leaps and bounds. Nipissing, 5.00 \$5.50 Montreal Cobalt, \$0.40 \$0.51 Nipissing, 5.00 \$5.50 Kerr Lake, 50.00 100.00 Coleman Cobalt, 10 50 University, 10.00 15.00 Silver City, 40 55 Foster, 80 1.55 Silver City, 40 55 Foster, 10 .15	Of W H E Preside J. S. KI HON. L R. J. W OOL, JO A. F. R JOHN HARRY OBM. THOS. UNION PROPE east is th amongst VEINS
	The purchasers of founders' shares have made large profits, and the investors at the present selling price will realize hand- somely within six months. Having offices in Cobalt, Haileybury, New York and Toronto, we can offer to investors the best service possible for the purchase and sale of all Cobalt shares. Eighty per cent. of the business done in this wonderful camp passes through our hands, so deal direct with the leaders and secure the best service and prices obtainable.	has been DEVELO tunneling EQUIPM best equi SHIPMI OREM dump, wi VALUE of the ore The in the pro- We of they had investment

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C O B A L T Headquarters

MONETARY TIMES

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Before the fame of Cobalt had hardly extended beyond the borders of Coleman Township we were on the ground sizing up the situation, and looking for good propositions. We were among the first in the camp and were absolutely the first to exploit the resources of this wonderful camp. From the start we have recommended the very best propositions in the district and every stock recommended by us has been a money maker and as a natural result we do practically all the Cobalt stock business. We have practical mining men constantly on the ground looking after our interests and thus keep in close touch with every move made in both mines and prospects.

We are an absolutely independent brokerage firm and give you unbiased opinion and advice regarding the different Cobalt investments. We are anxious to interest our clients only in propositions that will make them large profits and thus strengthen our position and increase our clientele, and our successful business has been built up on these lines. Our Cobalt Market Letters are the recognized authority on Cobalt investments. Our lithographed map of Coleman Township, showing the different geographical formations in colors, is almost universally used by mining men and prospectors in the camp. We deal in all good stocks of the district and furnish information free at any time. Write for our Map and Market Letters and get on our mailing list.

BANK AND OTHER REFERENCES FURNISHED ON APPLICATION

B. B. HARLAN & COMPANY

149 LAWLOR BLDG.

Largest Mining Brokerage Firm in Canada TORONTO, CANADA E. P. EAR CAPT. J. H JOSEPH W DUNCAN C RICHARD 7

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THE MONETARY TIMES 69 THE NIPISSING MINES

AUTHORIZED CAPITAL, \$12,000,000: 2,400,000 SHARES, \$5.00 EACH OUTSTANDING 1,200,000 SHARES

E. P. EARLE, President, of New York. CAPT. J. R. DE LAMAR, Vice-President, of New York. JOSEPH WHARTON, of Philadelphia, Pa. DUNCAN COULSON, of Toronto, Canada. RICHARD T. GREENE, of New York.

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EDMUND C. CONVERSE, OF New York, Col. ROBERT M. THOMPSON, of New York, AMBROSE MONELL, of New York. DAVID FASKEN, of Toronto, Canada.

RICHA	D T. GREENE, of New Yor
	CIEDV
LEWIS	A. BURLEIGH,
* Park	TRANSFER AGENT
1.10 :	The Bankers Trust Company of New York
	REGISTRAR
. 7	The Liberty National Bank of New York.
New	York Office.

Mine Office, ---- Gobalt, Ontario, Canada

Capt. J. R. De Lamar, the Chairman of the Executive Committee of the Nipissing Mines Company in submitting the first report of the Company to its Stockholders, says :

"The Company is incorporated under the laws of the State of Maine, with an issued capital of \$6,000,000, divided into 1,200,000 shares of the par value of \$5.00 each. "Our Company now owns more than ninety-five per cent. of the Capital Stock of the Nipissing Mining Company, which is incorporated under the laws of the Dominion of Canada. The Directors of the Nipissing Mining Company are E. P. Earle, of New York, President ; David Fasken, of Toronto, Secretary; and Fletcher Armstrong, Barrister, of Toronto; its Treasurer is W. O. Fletcher, of New York.

"Our Company is now upon a permanent dividend paying basis, having over \$600,000 met earnings available."

In submitting a statement of the condition and affairs of the Nipissing Mining Company to its Stockholders, dated May 1st, 1906, Mr. E. P. Earle, the President of the Company, says :

"As you are aware, the Company owns about nine hundred acres of Crown patent lands in the heart of the Cobalt Mining District. We obtained the titles thereto in January, 1905, but were unable to begin active mining until about April 1, 1905, by reason of the deep snow that covered the ground.

Our net earnings have very nearly equalled the **combined net earnings of** all the other producers in the Cobalt Mining District. Our Treasurer, in his letter to me dated April. 25, 1906, gives the following data in connection with the operation of our mines since we began operations, viz.:

Amount received from sales of ore, including value, of

1	ore, etc., on hand which has not yet been paid for Profit on ore purchased	\$1,160,351 • 16,905	
	TOTAL, Less cost of mining and all other expenses Net profit	1,177,257	83 73
	Less paid stockholders	400,000	\$1,024,628 10 00 400,000 00
	Net surplus, This surplus is made up of the following items: Ore on hand and in process of refining Accounts receivable	2	- \$624,628 10 - \$194,269 48 =
	Cash in hand		- 170,000 00 - 260,358 62
		: A Markel	\$624,628 10

"These results have been produced from the **surface ores** taken from **less** than ten per cent. of our properties. The average depth of our workings to-day is less than fifty feet. It is my expectation that during the coming year our properties will produce results which will equal or exceed those of this past year, and judging from the reports of our Manager and Prof. Hidden, I am of the opinion that such results will continue for a number of years to come."





A Multi-Cabinet **Upright Vertical Section** Built of fine quarter sawed oak, finished a rich golden shade. Measures 52 in. high, 17 in. wide, 27 in. from back to front. Will hold about 20,000 letters ready for instant reference. Price only \$24.00

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THE MONETARY TIMES

True in all walks of life, but especially so in business. You cannot afford to waste time and energy hunting for invoices, letters or memoranda when your competitors have their papers available for ready reference. This convenience is afforded by the Shaw-Walker Multi-Cabinet Filing Systems, for which we are sole agents in Toronto.

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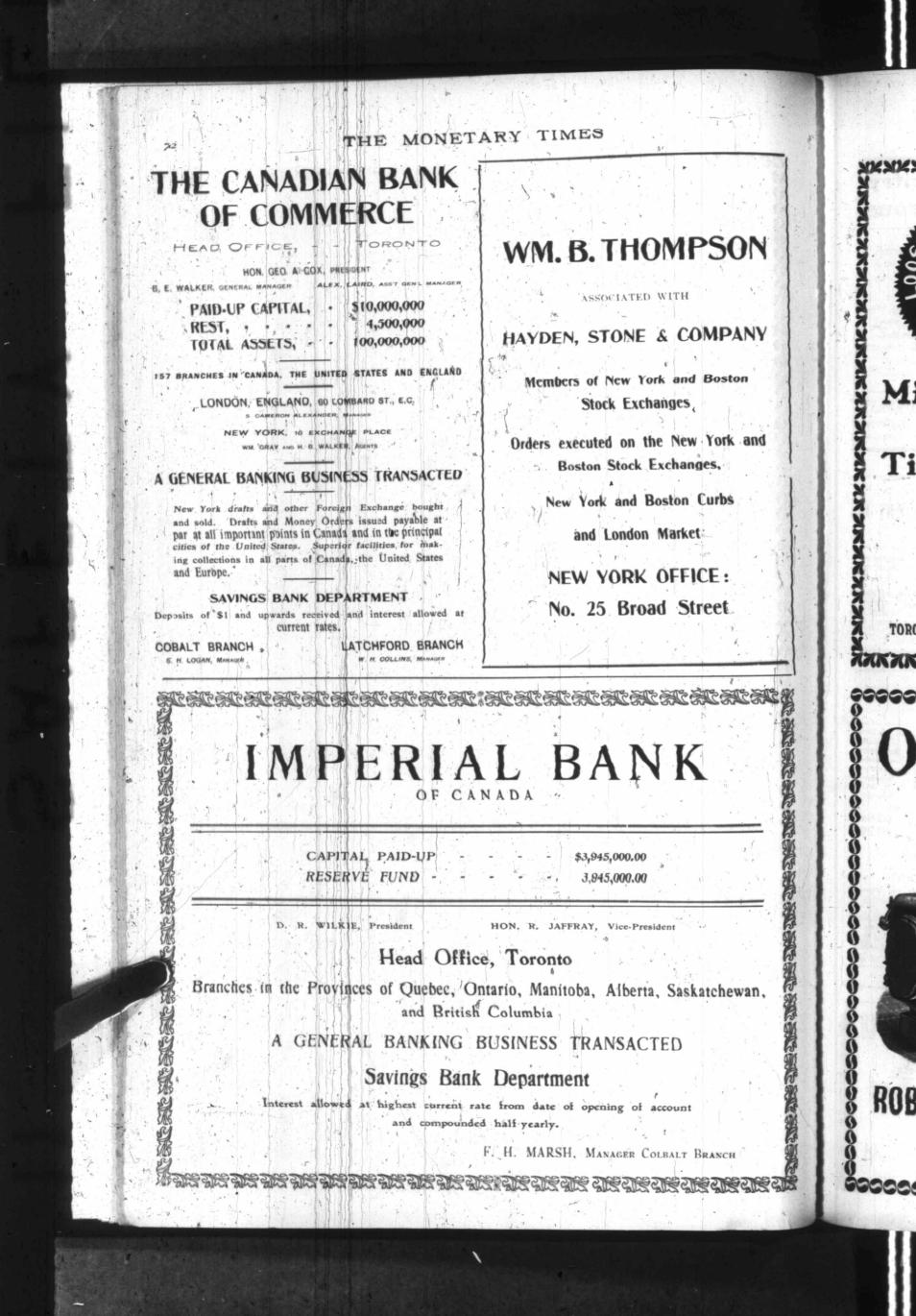
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If you live out of town, write for a copy of our Multi-Cabinet Systems Catalogue. It contains particulars of many labor-saving office devices.

JOHN KAY, SON & COMPANY, Limited 36 and 38 King Street West, TORONTO FOUNDED 1825. OUR TRUCKS **JENKINS & HARDY** Law Union & Crown are fitted with rubber Insurance Company of London ASSIGNEES, tires that do not TOTAL CASH ASSETS EXCEED \$24,000,000 CHARTERED ACCOUNTANTS, come off. Fire risks accepted on almost every description of in-surable property. Corner of Place d'Armes.) MONTEITH, NIXON & GO., "Estate and Fire Insurance Agents MAKERS OF GOOD TRUCKS. Ganadian J. E. E. DICKSON, Mgr. 151 Toronto Street, - - - Toronta. 256 Macdonell Avenue, Toronto. DOUGLAS K. RIDOUT, Terento Ast. Telep ne, Park 1318 52 Canada Life Building. - - Montreal. Agents wanted throughout Canada.





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Provincial Loan of \$3,000,000

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THE GOVERNMENT OF THE PROVINCE OF ONTARIO, under the authority of Chapter 4 of the Statutes of Ontario, 1906, invites subscriptions from the public for a loan of \$3,000,000 on bonds

invites subscriptions from the public for a loan of \$3,000,000 on bonds of the Province of Ontario, dated ist July, 1006, and payable \$1,500,000 on the ist July, 1026, \$1,500,000 on the ist July, 1026, with coupons attached for interest at the rate of 34 per cent. per annum payable half-yearly on the ist January and the ist July in each year at the office of the Frovincial Treasurer, Toronto. Bonds will be of the denominations of \$200, \$500 and \$1,000, and will be payable to bearer, but on request will be registered in the office of the Provincial Treasurer and endorsed as psyable only to the order of certain persons or corporations, and on request of holders may be exchanged for Ontario Government Stock bearing the same rate of interest. The issue price during the month of July, 1006, will be par, and after the 31st July, 1000, the issue price will be par and accrued interest.

ALL BONDS AND INSCRIBED STOCK ISSUED UNDER THE AUTHORITY OF THE SAID ACT ARE FREE FROM ALL ONTARIO PROVINCIAL TAXES CHARGES, SUC-CESSION DUTY AND IMPOSITIONS WHATSOEVER.

Purchasers of amounts up to \$1,000 will be required to send certified cheque with the application. For amounts over \$1,000 pay-ment for subscription may be made in instalments of 10 per cent. on ment for subscription may be made in instalments of 10 per cent. on application, 10 per cent. Ist August, 10 per cent. Ist September, 10 per cent. Ist October, 10 per cent. Ist November, and 50 per cent. Ist December, 1906, with privilege of paying at an earlier date, the interest on issalment subscriptions being adjusted on 1st January, 1907. In the event of any subscribes for bonds payable by instalments failing to make payment of subsequent instalments, the bonds may be sold and any loss incurred will be charged to the purchaser in default. Forms of Subscription to the Treasury Department. This loan is raised upon the credit of the Consolidated Revenue.

obtained on application to the Treasury Department. This loan is raised upon the credit of the Consolidated Revenue Fund of Ontario, and is chargeable thereupon. All cheques should be made payable to the order of "The Pro-vincial Treasurer of Ontario," and subscribers should state the de-

nominations and terms (20 or 30 years) of bonds desired. A. J. MATHESON, Provincial Treasurer. Treasury Department, Parliament Buildings, Toronto, 27th June, 1906.

inserting this ad not be paid for it.







WHAT THE PRODUCT OF COBALT IS WORTH.

Considerable assistance has been afforded by the Government of Ontario in the preparation of this number of "The Monetary Times." The whole story of the wealth of the new Temiskaming silver region lies in these few lines, referring to shipments of ore and published, with Government authority — With one exception, the vein on the north of R. L. 404 near Cobalt Lake, all of these veins carry high values in silver, besides important amounts of cobalt, nickel and arsenic. The composition of shipments (carloads) from one of the silver-hearing veins, and from the vein which does not carry silver values is seen from the following results of analyses:—

Bearing Silver.	Not Bearing Silver.
Per cent.	Per cent.
Silver	Cobalt
Cobalt	Nickel
Nickel 3.78	Arsenic
Arsenic	

Silver brings about 60 cents per Troy ounce, and about 90 per cent. of the value is paid for the metal in the ore. Cobalt has sold for 60 to 65 cents, nickel at 12 to 15 cents and arsenic at about 1 cent a pound in the ore.

COBALT AS IT IS-A CHARACTER SKETCH.

BY THE EDITOR.

Mark Twain defined a mine as "A nole in the ground belonging to a d-d liar." The history of mining is littered with stories of much faith and more laithlessness. But mining persists, and always will persist. Whoso findeth a good mine findeth a good thing.

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On the street a friend asks, "What do you think of Cobalt?" He tells you he lost a little money in Cobalt soon after silver was found there. Somebody brought him two or three chunks of ore, saying it was found on a claim which he had acquired somewhere along the Montreal River; and straightway induced him to make a small venture in the richest silver district of the world. Presently it was proved that though the ore was rich, the location of it was mythical, and the money putinto a prospect opened up on the sidewalk had gone the dishonest way of a good deal of honest cash.

There is no monetary folly which has not been committed in mining. Your friend who, is doubtful about Cobalt, is shrewd enough in his own business. But a piece of highly mineralized ore produced by a guileless-looking acquaintance has made him take leave of his senses, depleted his pocket book, and not added very much to the sum of his acquired wisdom. If They Only Knew and Understood.

Some men will buy nothing except a gold brick. For a while they avoid real enterprises as though they were plague-smitten, and then presently, like a dipsomaniae, breaking down after a long spell of sobriety, they plunge head over heels into the very ventures which they believed they heartily loathed. It is nearly three years since the first find of silver

It is nearly three years since the first find of silver and cobalt at Cobalt. A few weeks ago I was discussing the position and prospects of the camp with a metallurgist of unusually wide experience, who said — "If the people of Toronto had any idea of what there really is in that country, they would have made it impossible for Americans to come in, as they have done, and attach much of the best property." That was the conclusion of a man who knew what he was talking about. It is the view held by many others who have spent days and, sometimes weeks, in examining the Cobalt country. As far as can be learned to date, most of the money to be extracted from the mines up there will go into American pocket-books.



Cobalt Town, Looking North. The present Population is About 3,000. The Trethewey Mine is Among the Trees on the Hill. Its Shaft is Just Discernible. The La Rose Mine is on the Right of the Railway, North of the Lake

Last winter prophetic writers declared that we should see a rush to Cobalt, the like of which had never occurred within 2,000 miles of the Atlantic sea-board. Some translated their faith into works a few weeks later, and gave the population of Cobalt town at 10,000. The mighty influx has not taken place. There has not been the crazy exaltation of prices which anxious seers predicted. There is a curious scepticism about the wealth of Cobalt camp. If it were not so, it might be unnecessary to take the trouble to discuss the story of Cobalt in an unexciting fashion, and to begin it with such brutally frank recognition of the distrust which is felt by so many who have not taken the trouble to investigate for themselves.

This is Not a Boomer.

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During every hour spent on this number of the paper, I have had in mind the picture of a most honest and worthy gentleman, who came to warn me, in accents of the greatest apprehension, against the swindles in Cobalt mines that are being attempted by men who otherwise might be regarded as respectable. I do not agree with my frightened caller. But I respect the feeting which he represents. It is good sometimes to write with the feeling that, there is a very critical policeman at your elbow.

policeman at your elbow. New Ontario is good enough, to have the truth about it shade known. There are wildcats in every mining camp, just as there are improperly obtained nickels on almost every church collection plate. I am concerned only to show the facts about the mines in Northern Ontario as they exist.

In three visits to Cobalt, I have seen a good many of the mines, and have discussed the situation with men who) though they are interested in the locality, are still capable of speaking veraciously. No man's judgment is infallible, but a journalist whose experience covers a pretty wide range, has generally acquired a certain discrimination in sizing up the reliability of stories submitted to him.

This number of "The Monetary Times" is not instended to "boom" Cobalt, any more than a guide book about Westminster Abbey is intended to "boom" that sacred fane. It is intended to enlarge interest in the most remarkable mining development which the 20th century has produced, and, in a larger sense, to increase the favour with which Canada, as a whole, is regarded by all who contribute to the translation of her commercial possibilities into achievements, which will be leading features of the extension of civilization during the next two or three decades.

When You Reach the Town.

On the road to Cobalt in winter you pass through a weariness of snow and gaunt timber. In summer you are railroaded through avenues of foliage, processions of takes, and multitudes of butterflies. You reach a town whose solitary beauty is the outside of it—a take and undulating wooded landscape. On the station platform there is sure to be a crowd with few women in it. Most of the most look weatherbeaten. The prospector's long, laced boot will be plentiful enough. If it is Saturday the prospectors will be in very strong force. On the sixth day of the week he comes to Cobalt for mail, soap, flour, tatk, and rest,

Cobalt for mail, soap, flour, talk, and rest, The town is as you see it in pictures, only more so. On sight, it is a place to live away, from; on closer acquaintance not a bad sort of place at all. Property as safe; company is agreeable. Cobalt is not flowing with milk and honey. Sanitation is in rather a theoretical stage. Transition is the prevailing aspect of its sewerage problem. But, these are disadvantages you can overcome with the help of a little boiled water. The streets are not of boulevardic surface. They are a great deal better than they were three months ago, which is much more than you can say of some boastful, long-established, cities.

The outward guise of human habitations is varied. The best structures are covered with tin; the homeliest with tar-paper. On some wooden exteriors there is comforting paint; on most the marks of contact between rain and nails. On the open space, which is a sort of triangular square for the communion of the hopeful, there is a quick-lunch institution on wheels. About it you notice that unlike others of his profession who flourish in other down-towns, the proprietor does not belie his title.

Banks, Law Offices, Churches.

Of banks there are the Imperial, and the Canadian Bank of Commerce, the former with the more commercial site; the latter with the more imperial appearance. It was brought in sections from British Columbia Lawyers abound and brokers put the best face on things. They do it with great ease. They seem to want to sell more than to buy. The place is as devoid of business vehicles on wheels as the island of Madeira. Wealthy mine-owners travel to and from their properties on Shank's pony. There is a church on the hill and a tent in a vale where sacred songs and solos are regularly and excellently sung. Beside and beyond the church are tents, and then a useful structure is announced to be the future jail. In the other direction is a frame hospital, from which you are thankful to be delivered in hot weather.

Right by the station is the free and open-doored establishment of the blessed association which provides reading for campmen of all kinds. It is a free library, lounge-room and school in one. It is a resort for the disappointed, and a threshold of hope for those who appreciate Lord Salisbury's belief in the utility of large maps. Nearby is a galleried opera house, used for wrestling bouts, entertainments and public meetings. In some such place as it, in the glorious republic, the notice appeared: "Don't shoot the man at the piano: he's doing his best." Such an injunction would, be out of place in Cobalt opera house. There is no plano.

The excitement here is pure and undefiled. At public meetings a big dinner pail of liquor and a in cup are placed between the chairman and the speaker. When the speaker takes a drink he throws the remains of his draught on the floor behind him, by which you may be assured that the liquid is harmless and cheap. The hotel stoop has no railing, though it is eight feet above earth—it is further proof that you are in a community of steady-footed, haw-loving gentlemen.

Talk of the Market Place,

Conversation outdoors, and in is only profane in the sense that it is not apt to run on strictly spiritual lines. It is occupied with the silver present, rather than with the empyrean future. References to another world are rather casual, and frequently of a downward tendency, and very warm. There is no outward and visible sign of deep-feeling and high expectations. Men in the neighborhood of vast fortunes always talk as mysteriously as though they were on the verge of the tomb. There is a passionless reserve about much Cobalt talk.

Who's who in the camp is a subject of daily importance. The man next you is as likely to be the emissary of some New York trillionaire as he is to be the barber from across the road. You see a fly-bitten fellow laboriously writing at the hotel table, and know he may be writing to his parents for a remittance or ordering an automobile to be purchased for his temporary sojourn at home. And then, perhaps, you ful yourself looking at the collection of ores in the Bank of Commerce, which is the epitome, the proof and the sure promise of the camp.

There are men in Cobalt absolutely independent of Cobalt. They represent institutions which are there for the same reason as they are in a hundred townsbusiness is being done by their customers and they are there to facilitate it. If a seismic disturbance shook all the mineral out of the rocks and left Cobalt a aggregation of deserted shacks, they would be as well off as they are to-day. They have seen pretty nearly every This is a Government and Lake Ter north, and th side of Lake was known t miles of Coba

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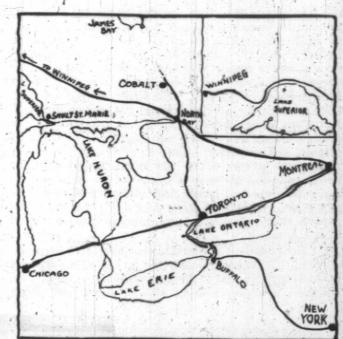
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This is a section of a map published by the French Government of Canada in 1744. The Ottawa River and Lake Temiskaming were then the highway to the north, and the words "Anse a la Mine" on the east side of Lake Temiskaming show that mineral wealth was known to exist 162 years ago within about ten miles of Cobalt.



79

This map shows the location and accessibility of the modern "Anse a la Mine." Distances to Cobalt from the leading cities are:—Montreal, 463 miles; Toronto, 320 miles; New York, via Toronto, 886 miles; Chicago, via Toronto, 823 miles; Winnipeg, 1,165 miles. The journey from Toronto occupies fifteen hours.

thing there' is to be seen in the neighborhood. Familiarity with such things has begotten in them a kindly tolerance of the sceptics who stay away.

Question of Faith and Chances,

They believe in the future of Cobalt just as surely as they know of its present. They tell you the place only needs as fair treatment as is meted out to a man haled before a magistrate. Let it be tried, tested, weighed in the scales of justice, and it will emerge a good proposition; a certain developer of national prosperity. Which is not at all to say that there are no dangers in the Cobalt situation. There are possibilities of harm in the Bank of England. Railroads are sometimes overcapitalized. Steamship companies might be bought up at high prices and combined at higher.

This world is no place for such as are of a guileless heart. If a man is interested in mining he must know that much money has to be lost as well as made in the industry. Sometimes it is lost because the mineral is not there; sometimes because it costs too much to get it; sometimes because capitalization has been too high for the reasonable prospects of return.

If you go into a mining deal you should have reason to believe that you will, in a comparatively few years, get your money back, and something besides. Up to a certain point mining is a gamble. So is wheatgrowing. So is buying real estate. The farmer sows on faith as well as works. The real estate dealer sizes up the situation and takes chances. The miner risks his money on his judgment as to what is under the ground. Where does Cobalt stand?

Compared With the Rand.

And here is my difficulty. How shall I say a good word for Cobalt without seeming to become a fugleman for some sharper who wants to sell stock, which may or may not represent property that will yield more than dollar for dollar? The only way is to use facts in the same way that Mr. Chamberlain uses figures—as illustrations and not as the beginning and the ending of an argument.

The wealth of Cobalt is principally in silver. The silver is in ore of varying make-up. Calcite, smallfite, dyscrasite, cobalt, arsenic, bismuth—you mght go on enumerating the constituents of the veins which are the admiration and despair of scientists and smelters. Four facts are outstanding, undoubted, about Cobalt veins. They are rich. Their width is exceedingly variable. Their depth is unknown. Their number is not ascertained.

I have seen gold-mining on the Rand. I went down the Robinson Deep-the second richest mine, I think, in all the Johannesburg group. At twelve hundred feet the Kaffirs were taking the gold quartz out of seams two and three feet wide. The very best of the quartz yielded an ounce of gold to the ton. The gross return was, therefore, about \$18.00 per ton of 2,240 pounds. Some Cobalt ores have yielded over 4,000 ounces of silver to the ton of 2,000 pounds, worth about \$2,400.

Low Grade Ores are Valuable.

The comparison is incomplete, for the Cobalt veins are not twenty-four to thirty-six inches wide. Still one ounce of gold is about all the British investor in the Kaffir market gets out of his ore. The by-products are insignificant. You see great heaps of almost white powder—the leavings of the stamps and chemical processes employed at each mine. They are worthless. To look into an open cut at Cobalt I stood on a pile of rock that had been blasted from beside the vein, and thrown aside, the ores having been sorted by hand. The refuse is waiting for a smelter to be started in the vicinity. A sample of it had been assayed, and proved to be worth \$70 a ton—nearly four times the value of the best gold quartz in South Africa.

In the same place I picked up a chunk of rock, brilliant with pieces of unsullied bismuth. Scattered around were portions of rock covered with the bloom which denotes the plenteous presence of cobalt. After examining an average dump, the waste of another open cut, a friend, experienced and skilled in mining practice in Montana and Idaho, said the dumps of Cobalt were richer than the best output of Western mines, and that, the miners of his country would not believe that ores existed in large quantities of such worth as those reported to have been assayed in Cobalt. But seeing was believing.

Silver in the Walls.

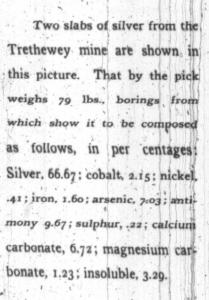
Thousands of tons of low grade ore are lying around the twenty-odd mines that are producing larger or smaller quantities of silver within three miles of Cobalt station. They do not represent all that is in sight, even if not a single vein were worked a single foot deeper. As a rule the common rock is only removed from one side of the vein. The silver bearing vein is a distinct formation in the original fracture of the rock. But when things were pretty hot in that localify and Mother Earth was puking up silver and cobalt and arsenic, and goodness knows what besides, from her nethermost bowels, silver was injected right into the rock beside the fissures. I examined the walls of several open cuts and found clear silver jutting out here and there I broke off some pieces. My colleague got a particularly good specimen only by chipping it off with a crowbar.

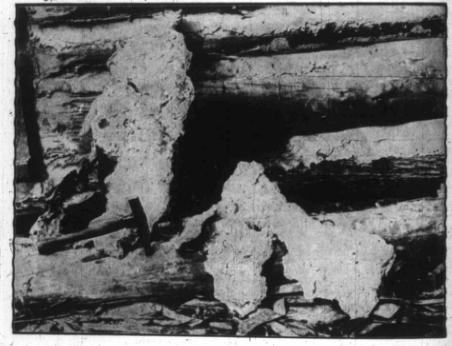
Occasionally it is reported that veins had been discovered ten, twelve and fourteen inches wide. The innocent supposes that in the fissures of the lower Huronian there is a perpendicular slab of almost solid silver dirty silver. I have seen a leviathan block of ore which weighed six hundrd and fifty pounds. Finds like this are not made every day. They are the freaks of the camp, if you like, but they are not lone strays.

Place of the Geologist.

The Cobalt silver deposit is not the leavings of some cataclysmic flood which swept over half the world, leaving only a few precious isolated fragments to tantalize humanity. It is the scrawling epitaph of an upheaval from the centre of things. The fountains of the great deep were broken up, and from a molten treasury they were emitted, an uncounted contribution of imperfect coin to the currency of civilization. It has long lain in an immutable bank. No man can stake his life on the depth of these Huronian coffers. The geologist is a commercial asset as well as a gentleman, who goes around tapping rocks with a simple-looking hammer. When he says that the lower Huronian is most likely five hundred feet deep, in a given district, his judgment is cheap, at seven dollars a foot for the work of a diamond drill.

Professor Miller, Geologist to the Ontario Government, has a reputation to lose. He is as far removed from the stock-jobber as the East is from the West.





a foot wide, of great length, of depth chough to make a fortune for every lucky being who puts hands on it. The reality is not so. I have seen a vein fourteen inches wide. Rubbing my foot on its surface I polished streaks of silver. Two feet away I might have rubbed for a year and only wasted good shoe leather. But the vein was already proved to be 150 feet long ; five or six feet of earth fiad been lifted off it for that distance; and, it probably extends to the pext claim.

Vital Importance of Depth.

The width varied considerably. In some places you could see no mineralization. In others the silver was plugged in between the Huronian rocks tike filling in a broken tooth. Down below it most likely varies as much as it does on the surface. In places it may disappear, and be found again almost immediately. I have seen men working in a cut on one side of which the véin had apparently petered out. Next morning when I passed that way a vein of calcute four inches wide was being removed, a foot below the spot where there was but apparently solid rock.

The range of values in the ores is wide. Here and there are imm nse nuggets of almost pure silver in parts of which the metal can be bent exactly as you would bend the lid of a discarded peach can. On my table is a niece which went through the cobbing mill and was only dented in the process. It is not ore, but

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He does well to be conservative. He expects the Cobalt vents to continue with little material variation, until they strike the Keewatin, and as the Keewatin was probably in place before the Huronian, the silver and cobalt could not very well get into the overlying Huronian without passing through the Keewatin. It is scarcely likely that when the puking planet got over its unpleasantness, the Keewatin was washed clean of silver, and the Huronian above was left in possession of all the attractive matter.

Objection to Open Cuts.

The ultra-doubting Thomases, putting on the most bewildering solemnity, observe that this company and that have gouged all the most valuable ore from the surface, have capitalized on the best possible product obtained in the cheapest possible way, and will leave the poor, unsuspecting Shafts should have been sunk at ore should have been blocked out. a mine. It defies the rules of the game. And so on and so forth.

There is something in the objection to the open cut. It is splendid to know that away down in the earth there is a long dark tunnel, and that from where you stand down to that tunnel is a vein bearing riches almost enough to satisfy the dreams of avarice. If there were of be fair excuwere being perties the emen may be not pay big somebody to Fortunatus. hundred and at the bottor of silver and predominate,

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have proved There is no only deep ve conditions ar ing ore is be being worked experience. assistance ov pensed throu

The photo sor Miller ex-La Rose prop silver-bearing head of the ha

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Veins That W

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there were only open cuts around Cobalt there would be fair excuse for shakings of the head. If no steps were being taken to test the deep quality of the properties the experts would be proven incompetents. All men may be liars, but all men are not fools. They do not pay big sums for claims and then whistle for somebody to operate a wand and fill the purse of Fortunatus. At La Rose mine the shaft is over two hundred and fifty feet deep. The vein is just as good at the bottom as it was at the top. The proportions of silver and cobalt vary. Sometimes silver values predominate, sometimes cobalt.

Prospecting by Hydraulics.

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At first the variations worried the owners. Events have proved that there is nothing to be anxious about. There is no reason to suppose that La Rose has the only deep vein in the camp. Broadly, the geological conditions are the same all over the area in which paying ore is being mined. Some of the properties are being worked with the aid of a minimum of scientific experience. Others are advantaged by special expert assistance over and above what is beneficiently dispensed through the writings of Professor Miller. probably millions. As a Yankee who has large commitments in Cobalt said to me two days ago, "The stuff is there."

More Machinery and Rails.

The stuff being there, what will be the future of the camp? One who has seen deserted mining towns will not predict everlasting wonders from Cobalt. Johannesburg has lasted twenty years and is producing more gold than ever. But it cannot last all the time. Dig long enough and you will convert a mountain into a plain. Cobalt is only beginning its career. It is bound to enlarge its industry for years to come. The primitive methods illustrated on other pages will not continue. Hand windlasses and cranes which have to be swung around by human strength are vanishing witnesses to the exceeding profit of the camp. Anywhere else costly machines would have to be used from the beginning.

Pneumatic drills, more powerful engines—all the appliances which elsewhere make it possible to handle low grade ores profitably will soon be used on every property. The demand for labor will grow steadily.



The Nifissing people, for instance, have put in a hydraulic plant with which to wash off the superincumbent earth, stones and stumps from the rocks around Peterson Lake. They believe that in their small acreage already deforested, there are many more veins than those hitherto discovered. So they will lay bare acre after acre. If nothing should be found, so much the worse for Nipissing stock. The hydraulics are being installed in faith that many more valuable veins will be revealed. There is no secret about such procedure.

Veins That Were Missed.

The phenomenal vein on the Jacobs property, to which I have referred, was just missed by a trench that was ding in one direction, and was disclosed when a new trench was dug across the first. I saw another rich vein on the surface of a property half a mile east of Cobalt station, which the prospector missed by six inches, and was observed one day after heavy rain had cleansed the rock. The Fosters prospected their claim for a year without striking anything. They went down almost to the bottom and made a discovery certainly worth hundreds of thousands of dollars, and By this time next year a million dollars' worth of upto-date machinery will be on the ground, unless all reasonable expectations are falsified.

A branch railroad is going to Kerr Lake from Cobalt. The Gillies timber limit will shortly be an ore producer. For Government mining there must be the ordinary machinery which other money-makers employ. How much the Gillies limit will do to damn or dignify public ownership of the means of wealth, it is impossible to estimate. But it must mean the appearance on the Gillies territory of all the instruments of industry which go to make up a town. As good finds of metal have been made in this fenced-off, jealouslyguarded Tom Tiddler's ground as on any other Cobalt location.

Voices of Grumbling.

You must keep the Gillies property, therefore, very much "in sight," when you reckon the worth of opinions that have been backed by action. The Government action may not have been in accord with hoary, rusty precedent. But Premier Whitney and his colleagues had the accumulated knowledge and experience, and advice of men who had made mining con-

The photograph shows Professor Miller examining a vein on the La Rose property, the width of the silver-bearing ore being from the head of the hammer to his hand.

ditions in Ontario their daily study for half a generation, and who are no chumps, excited by the unfamiliar sight of lumps of metal dug out of the ground. The Cabinet are not putting their own money into Cobalt mining. They are staking their political future on it, which is much more than money; and they are doing it on evidence; not on a company prospectus.

Cobalt was discovered during the regime of one Government; it is being exploited under the paternal oversight of another. The Provincial mining laws



Engine House and Shaft of the Savage Mine.

were changed last spring. The complaint of the prospector has been heard in the land.

A well-informed business man in Cobalt, whose occupation makes him independent of the ordinary cross-durrents of a mining camp, writes that the mining laws are keeping outside capital from coming in to develop the country. Another observer on the spot, who is familiar with mining conditions in the Western States and in South Africa, says that the Ontario mining laws are the best in the world, and that the difficulties arising from their application are such as are incidental to the best-devised machinery.

There has been talk obsecession from Old Ontario, and that a deputation of prospectors and others went down to Toronto to interview the Government, some of the delegates in the mood of roaring lions; when they came away their accents approximated more to those of the sucking dove.

Position of the Government.

Where does the truth lie? The Whitney Government is not perfect. Saintship is not a monopoly of prospectors, who are being pestered by mosquitoes, black flies, and pick-and-shovel disappointments. Even purchasers of mines and founders of companies have been known to stumble sometimes within the four corners of sober truth. Complaint is made that the Government is contesting titles to claims which itself has granted. Whose title, then, is safe? To which the reply is that any title is vitiated by fraud; and that you cannot evolve fair play out of crookedness.

The Government of Ontario is an honest government. It is served by able, zealous officers. It knows that Cobalt is not as wide-open as most mining camps. It has kept hre-water off the town-site. Cobalt is the quietest mining camp that has ever existed on this, or any other continent. A few men may carry revolvers, but gun-play is unknown. The Inspectors who pass the discoveries of miners, are expected to know too much to be fooled. They are instructed that if there is a doubt as to the worth of the prospector's find, they are to give him the benefit of it.

-There are grievances, of course. An inspector is as liable to make a mistake as a prospector. Those who stake claims in mid-winter should not be sore if the Government representatives were as unable to see silver in snow as they would be to discern gold in sea water. What astonishes the capitalist, though, is the Government's policy of reserving the Gillies timber limit for exploitation by the Government. In this they see an excursion into the region of public ownership as unprecedented as it is foolish. They fear that the Government, having appropriated 100 square miles of land contiguous to the richest mines in the world, may come down on the otherwise fortunate discoverer of a new mineral area farther north, and despoil him of that which ought to be his for all time.

The Government policy with regard to the Gillies' timber limit is set forth in another place in the language of the Prime Minister. It is here to stay. In this place the only thing necessary to say about it is that on the principle that the prospector is entitled to retain the fruits of his labor, the Government, which was the first prospector, whose railroad unearthed the silver, is entitled to reserve, for those whose credit was pledged to build the road some of the direct revenue obtainable from the stores of silver waiting to be uncovered.

Not Making A Noise.

It is a debatable question as to whether the Government should be satisfied with having unexpectedly opened up most valuable traffic for its railway. That, again, is a question of policy. The motion that the Government is waiting to pounce upon the unluckydiscoverer of a new bonanza, is hardly worth serious consideration.

Leaving these questions aside, one aspect of the opening up of Cobalt, which is outside the realm of controversy, is whether the Government had done all it could to make known the indubitable facts about Cobalt. It has done everything that could be expected of it. It handed the management of the railway over to a commission, with instructions that it was to run the line on a purely business basis. The Commission, by some peculiarity of reasoning, does not try to advertise the country widely. That may be either because the Colonization Department is supposed to do that; or that the Grand Trunk is doing useful work for it.

The Government has not, of course, advertised Cobalt as the proprietor of a summer resort, would



The Canadian Bank of Commerce was doing its Cobalt business in a tent this time last year; it is now in a handsome building, imported in sections from British Columbia.

announce the amusements of his enterprise. Bat it has published Red Books unequalled of their kind, containing everything which one needs to know about Cobalt, and it has left it to the natural channels of exploitation, of which this number of "The Monetary Times" is one, to spread abroad the facts, and to open out to

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This summer about two thousand prospectors have been in the New Ontario bush. There does not seem to be very much left for the stranger to pick up in immediate contiguity to Cobalt. Even in that neighborhood, though, it is not certain that the land on which no discoveries have been passed is not highly mineralized. But, broadly speaking, the prospector must go farther afield. He is going, as fast as his legs can carry him, and as peacably as the flies will let him. Cobalt has been found on the Montreal River in large quantities. Thomas Edison is understood to be interested in a cobalt claim and to disdain silver prospects. He would rather cheapen and lighten electric storage batteries by the use of cobalt than own the best silver strike in the camp. *l*

On the Montreal River, too, gold has been found. That it is there the evidence is clear. Whether it is in paying quantities has to be determined. North of Lake Temiskaming a couple of French Canadians have found gold, and the/Minister of Mines for Quebec, in whose province the discovery was made, has gone up to examine the prospect.

Part of a map is reproduced on another page, which was drawn in 1744, and shows "Anse a la Mine" within a dozen miles of Cobalt. In that locality is the Wright silver mine, which was worked for many years, shut down for many years; and is being reopened.

No wonder the prospector is everywhere. I had a long talk with one who went with a companion away up north to a district where they believed only Hudson Bay men and Indians had trod. They found a dozen men on the same quest as themselves. One was past seventy years of age, sick, and sheltered only by a few poles leaning against a rock. The more men know of the country the more are they convinced that it is unexcelled as a mineral bearger. By way of compensation for long, hard winters, the daily palliations of which are abundance of fuel, and dry, keen air; Nature seems to have accumulated treasures immune for the damages of frost and snow.

83

Railroads Which Discover:

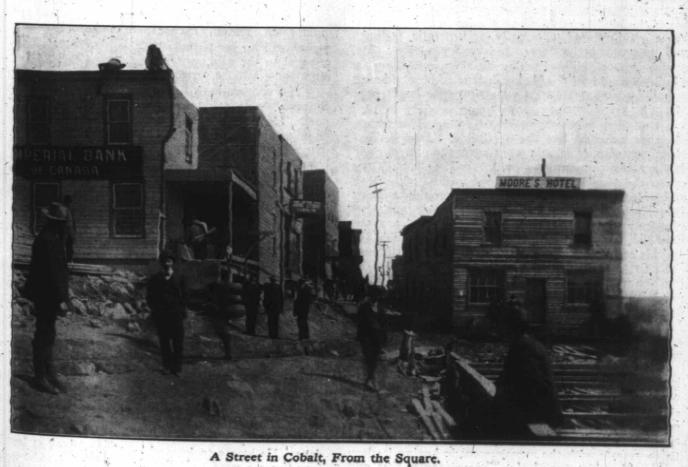
Up to Lake Abitibi, two hundred miles from James Bay, there is fine farming land, which in graingrowing capacity will yearly improve as the timber is cleared. The Grand Trunk Pacific transcontinental railway will soon open up the country east and west. Ganadian Pacific construction discovered the unequalled nickel deposits in the Sudbury region, ninety miles southwest of Cobalt. The Temiskaming and Northern Ontario line unearthed the wealth of Cobalt. Chances are even that similar fortune will escort the builders of the Grand Trunk Pacific.

Two weeks ago this very country was described in a famous American newspaper as a desert that will never be inhabited. It is worth bearing in mind that every railway that has opened up a hitherto inaccessible part of Canada, has confounded all the prophets of gloom who lifted up their voices against its construction. The Canadian Pacific would never earn axle grease. It is the greatest railway in the Empire. The Canadian Northern is the line nearest the North Pole which serves agriculture. Part of it goes through magnificent country in which, it used to be said, wheat could never grow; but in which there are thousands of flourishing farmers. The Canadian Northern has been built on money obtained more cheaply than the capital of any line in the Western Hemisphere.

A few years hence train-loads of fish will pass through Cobalt on the way from Hudson-Bay to the cities of Ontario and the middle States. This season six thousand people, most of them from the United States, will spend their vacations in Temagami, and around that lake of fourteen hundred islands, which is the best fishing territory open to everybody, and which has only been three years in railway connection with the populations of the south.

A Policy of Frankness.

It is a good country, then, to be in touch with. Its fame has been chiefly made by Cobalt. For some time, at least, Cobalt will be its most conspicuous



asset. The firmer Cobalt is established the easier it will be for the unknown territory to be thoroughly prospected, opened out, peopled. Providence has done its best for Cobalt. I question whether it is in anybody's power to spoil the good intentions of Providence. It will surely not be possible for rogues to sell to the public mines which do not exist.

There will always be danger of over-capitalization in every industry. A reference to the queries sent to the Cobalt companies for the purposes of this number, and to the statements given in reply, will show the extent to which we have sought to keep the story of each property within the truth. The same naked candor was displayed in the offers to purchasers of advertising space sent out by the business manager of the paper. In future "Canada Expansion" numbers the same policy will be followed. Canada is a good enough country to have the truth told about it. We are not the only people in it entitled to be believed.

TO SAFEGUARD INSURANCE FUNDS.

A census of policyholders and their opinions would produce a curious crop of suggestions for the Royal Commission, which has nearly finished its investigation of Canadian Life Assurance Companies. There are policyholders and policyholders—and policyholders' associations. There must be four hundred thousand people insured in Canada. Most of them a few months ago knew as much about the principles of life assurance finance as they know about the prayers of the Grand Lama of Tibet. They are not greatly wise now, after the prolonged course of statistics and crossexaminations.

In the mass, they have no settled convictions as to how their money should be handled; but they know enough to be well aware that it is their money which makes insurance so important a factor in national economics. They are not accustomed to the larger movements of commerce. They are not at home in company where five the usand dollars is not considered a salary out of which a fortune can be saved. They are of the kind towards whom the insurance manager has a good-natured, paternally aristrocratic feeling; and upon whom he does not draw for advice. He would as soon think of taking his time from them as a builder would think of being instructed how to brace a wall by the amateur at whose expense he is constructing a residence.

But there is another class of policyholder whose ideas on insurance are not negligible. Many professional men depend mainly on insurance to protect their families, if dire calamity should overtake them. They grasp the significance of expense ratios, of loading and of reserves. Just now nothing would be more valuable to insurance companies than a sure indication of what this section of their clienteic thinks about Canadian insurance as bared before Judge McTavish and his colleagues. It is a pastime in some insurance journals to abuse policyholders' associations. So doing, the writers vainly imagine they do insurance good service. Unless a policyholder was a fool when he bought a policy, he is something more than a fool if he does not take a sympathetic interest in what becomes of his money when he has confided it to a reputable company.

Everybody admits that there are abuses in life insurance. The companies confess their inability to put down rebating. That evil, and every other which afflicts insurance can be obliterated more easily if the policyholder, actual and potential, knows something about the details of, insurance finance: and is invited to co-operate with the management in keping it clean and making it economical. The companies that will get most business in future will be those which spend moderately on management, and diminish the gap between profits estimated and profits paid.

Life insurance managers who know their business unicignedly desire to know what the public is saying-the public which does not invade directorial sanctums, or vocalize itself in newspapers. There is no more valuable constituency from which guiding opinion can be obtained than that which supports this journal. Ninety-nine per cent. of the readers of "The Monetary Times" are policyholders. Probably five per cent. are proprietorially interested in insurance companies. Some of them bought shares in the smaller companies in the belief that dividends would begin at once and continue ever after. They have been sorely disappointed. The first people to gain by remedying the defects of the insurance machine; and by correcting the abuses which all deplore, are the in-1 surance people themselves. There is no divergence of interest between the company and the policyholders; unless one of the parties is at present getting something for nothing.

It is wise to assume that the Commission will propose some plan for reducing the expense ratio. Once admit that insurance may be written at injurious cost-nobody denies that the high expenses of late years reduced the amount of money which the insured leaves to his family-and limitation there must be. Rebating is unjust to the man who pays the premium. The agent who practises it is not the only offender against businesslike insurance. Large head office salaries during the last eight or ten years have been unavoidable. But in far too many cases the increase has been incommensurate with the additional service rendered. The assurance manager should be paid according to the results achieved; and not according to his estimate of what he is going to do. It is not impertinent in a policyholder to want to know whether officials who live on him earn their money.

The worst you can say about a good deal of latterday insurance history is that it is thoroughly unbusinesslike. If expenses do not come down, companies will arise which know how to be bold enough to rely for business upon plentiful publication of their premium rates. The only excuse there can be for more companies will be proof that the existing companies are unequal to the new situation. No such confession of impotence is to be expected.

The companies will soon get together to devise concerted action in view of the Commission's Report. They will be concerned about the future range of investments. Greater freedom of choice is needed. The difficulty of obtaining it is greater than it would have been if some of the transactions disclosed by the Commission had never taken place. The freedom which exists has been used just jeopardously enough to convince the intelligent policyholder that the machinery of corruption has been within reach of directors and managers who cared to use it. In view of what happened in New York, it is gratifying that Canadian directors, as a whole, have come so well out of the inquisition. What is wanted is not so much grandmotherly restriction as confidence that liberty to invest will not be abused. The problem before the Commission, the companies, the policyholders, and. presently, before Parliament, is the problem of combining freedom with safety.

The solution is not so difficult as it looks. All that is needed is to modernize the state check upon the companies. Most things have been speeded up within the last decade. The Government slow coach is pretty much the same as it used to be. The bank shareholder receives his dividend quarterly, nowadays. He wants to know how things stand at least four times a year. Railroads and big industrial enterprises pub is continually have from the thing trustwo once a year.

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Some stock! should show p creased sums the might argue that to show a sligh paid-up capitals small a part of t

In order the and in assets fo

terprises publish their returns weekly. The man who is continually putting more into insurance should have from the state, which is his watchman, something trustworthy about its destination oftener than once a year. Sometimes he has to wait eight months after the year has been closed, for Blue Books are ground out with exceeding deliberation.

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Bank clearings are returned once a week. Monthly we receive a complete statement of the position of all banks. Let the insurance companies send to the Department at Ottawa at least once a month, a detailed record of their stock and bond transactions. Let the Department publish, at once, the details at its discretion, but publish a summary, anyway, once a quarter. This would simplify the work of the Superintendent of Insurance. Monthly returns would be made to him with the same guarantees of veracity as those employed in the annual statements. It would be easier to pass upon a year's dealings in twelve instalments than to deal with an accumulation of transactions, some of them nearly two years old.

With a frequent reporting in vogue, the Superintendent would, by daily following stock exchange reports, be well posted in everything laid before him, and would detect anything suspicious at a glance. He would be in living contact with insurance finance, instead of a post-mortem operator. There could not be a quicker, safer, saner, safeguard against suspicious transactions. It would open the way to larger investments in Canadian enterprises. The policyholder likes to know that his premiums are building up his own country. That is one of the ways in which his own chances of making money are likely to enlarge. seen the following tables of figures for fourteen leading banks are given :--

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Merchants Bank of Connucree 72,845,032 Bank of British North America 34,108,287 Bank of British North America 30,854,131 Imperial Bank of Canada 25,051,440 Dominion Bank 28,999,571 Royal Bank of Canada 21,860,068 Bank of Nova Scotia	Ends,
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	Profit	s Declared.
	1901-2,	1905-6.
Bank of Montreal Canadian Bank of Commerce.	\$1,601,152	\$1,638,659
Merchants Bank of Canada Bank of British North America	550,000	1,376,167 740,300
Imperial Bank of Canada	463.355 448,857	453,041 * 535,786
Royal Bank of Canada.	353,173	490,495
Union Bank of Canada	430,322	478.507
Bank of Hamilton	304,868	452,930
Bank of Ottawa	351,375	399,274 360,187
Bank of Toronto Traders Bank of Caftada) 325.372	164.806
		396,231
* Eleven months	\$6,857.203	\$8.635.763

FIVE YEARS' BANK PROGRESS.

. . . .

A comparison of Canadian bank returns for the last ten years is the most reliable way of estimating the expansion of the country's commerce. Nothing like the advance made in that time has occurred in any other land. From one point of view, the more surely a country flourishes the less money the banks make. The greater the stability the lower the interest earned.

Taking the Canadian banks generally, their profits show increases not only positively but relatively to their paid-up capitals as well, although the paid-up capitals have been considerably augmented. Thus the per cent, value of the shares is higher and the rise in value has been reflected by a more or less general rise in stock market quotations.

In Canadian banking the thing that has attracted most attention lately has been the very rapid growth of their resources. Besides the new capital they have called up from their stockholders, the great activity of business has enabled them to maintain in circulation a substantially large amount of their notes. The people of Canada have been deluging them with a flood of new deposit-money. At the end of 1896 their total deposits amounted to \$202,098,751; at the end of 1901, to \$374,782,259; and at the end of 1905 to \$567,846,794. From all sources combined their assets grew from \$329,692,255 on 31st December, 1896, to \$815,533,302 on 31st December, 1905—nearly thrice the size they were ten years ago.

Some stockholders might suppose that their banks should show profits more proportionate to the increased sums they have had to operate with. They might argue that it was hardly good enough progress to show a slightly higher percentage of earnings on paid-up capitals when those paid-up capitals form so small a part of the total assets.

In order that the growth respectively in profits and in assets for the last four years may be clearly

These figures should hardly be taken as a fair comparison of the progress made by the individual banks, because it is very likely to have happened that some whose profits show practically no increase in the four-year period may have charged against their profits for the later year some especial appropriations. This is mostly the case with the Bank of Montreal which has had heavy expenditures on the rebuilding its head office. But the figures taken as a whole give a fair idea of the general conditions. In 1901-2 the percentage of profits to total assets as they were at the year ends was 1.44; in 1905-6 it was 1.26. The average of total assets through the year would not be substantially different relatively from the amount of assets as taken at the end of the year.

It is not difficult to find reasons for the lower relative earnings of the banks on the funds handled by them. Everybody knows that competition has increased considerably. Rates of discount tend to seek lower levels; and what is perhaps of more consequence, the banks to-day perform a great deal more free service than they did yesterday. These extras naturally reduce the earning capacity.

Among the items of extra service performed might almost be placed the increased branch facilities. The banks have established branches so fast as to incur criticism. But there is no doubt that the new branches serve as increased conveniences for the public. Like the expensive stationery, the quarterly dividends; the quarterly additions of interest to savings bank balances, the collections made for nothing, or at cut rates, many of the new branch offices must represent, for a time at least, a greater increase in expenses than in profits. The increase in expenses and decrease in rates of revenue has proceeded pretty steadily for some time. It is a notable example of what competition does for the people. What the bank stockholders lose in this manner, the business people gain.

SAVED MONEY

Comparison of the aggregate of Canadian investment securities during recent years would tell a similar story of bounding prosperity as the bank aggregates. But this is not equally practicable for lack of full available statistics at different periods. There is an interesting indication of the emergence of Canada from provincialism in finance in the figures of corporation bonds and stocks placed on the market in Canada during the last five years. Within the past twelve months a large share of the bonds of electric companies issued in Canada, but operating in Mexico, South America, and the West Indies, have been taken up by capitalists in Germany, Belgium, Holland, France, Switzerland and Great Britain. The bonds of half a dozen such companies total seventy-four million dollars, and their y stock a still larger sum.

Bonds. Stocks. Sao Paulo Light & Power Co.... Mexican Light & Power Co.... Rio de Janeiro Tramway, Light & Power Co.... \$ 5,500,000 \$ 7,500,00. 18,000,000 14,000,000 20,000,000 000,000 Hayana Central Railway Co. Cuban Electric Railway Trinidad Electric Railway Para Harbor, Limited 5,000,000 7.000,000 8,000,000 2:500.000 1.000.000 1,200,000

17,500,000 ,500,000 \$75,000,000 .

Totals

Most of these \$75,000,000 of bonds have been taken in Europe, which illustrates strikingly the rapid awakening of British and Continental capital to the potentialities of Canadian industrial enterprise in ioreign countries. The recent over-subscription of Grand Trunk Pacific in the London market, and the wonderfully altered tone of that market within a year with respect to investments in Ganadian undertakings of various kinds attests the hold which the Dominion is taking of the British mind. All the issues of capital for railroad building in the last half year.

From a list now before us of corporation bonds alone, (no shares included), issued and sold in Canada from 1900 to 1905, we learn that including one Grand Trunk Pacific issue, and only part of the Canadian. Northern Railway issues, Montreal Light, Nova Scotia Steel, Shawinigan Power, Toronto Electric, Ontario Power Co., Hamilton Cataract, Dominion Coal, and some forty other securities, the aggregate was \$88,-588,000 distributed over the six years as follows :-

1900		
1901 2.678,000	 904	
1902 . 1	 1905	29,047,0004

This list of \$\$8,000,000 includes bonds of several. electric roads, from Vancouver to St. John; the Lake Erie and the Bay of Quinte Railways, the Bell Telephone Co., rolling stock companies, radial railways, etc. But it does not include municipal bonds, of which there were issued in 1904 more than \$13,700,000, and in 1905 over \$9,000,000.

These totals take no account of the large amount of Canadian money invested in such United States enterises as the Twin City Electric Railway, the Detroit Inited Railway, and the Toledo Electric Railway, each of which latter have a Montreal director, or the Commercial Cable Company, one of whose directors is a Toronto financier.

Judging from the extent of the transactions here outlined, it is not too much to say that in addition to the \$700,000,000 or \$800,000 of Canadian deposits in the hands of chartened banks, the savings banks, and the loan companies, there are hundreds of millions more of Canadian accumulations actively employed in the industrial world

A significant showing is made by the record of sales on the Toronto Stock Exchange during the first six months of this year. Exclusive of transactions in bank and loan company shares (30,293 and 12,102 respectively), 366,047 shares of industrial stocks, and \$1,145,900 worth of industrial bonds changed hands on that one exchange in six months.

It would be a mistake to suppose that the money deposited by Canadians in the chartered banks of the country represents the whole of their accumulated wealth. There are plenty other receptacles, more or less safe,-the knotted stocking, or tin box, or clock case, of a farmer's wife in the rural districts, the private bankers' hands, or the treasurers of the loan companies. All that can be authentically traced is included in the following list of principal deposits in 1901 and 1906.

Chartered (Banks\$347,882,000	\$532,593,000
Government Savings Banks 54,317,000 Montreal C. & D. Savings Bank 12,660,000	60,006,000
Caisse d' Economie, Quebec 6,581,000	7,853,000
Loan Companies	20,000,000

Two hundred millions increase in five years is three and one-third millions a month. The increase in the five years, 1896-01, was, if anything, more remarkable. At the close of the fiscal year 1896 (30th June), the total deposits of all kinds amounted to \$293,220,000, of which \$211,600,000 was in the chartered banks, and \$81,614,000 outside them.

With \$532,000,000 in the chartered banks, and \$126,000,000 in other institutions, the total wealth earmarked in this way is equal to \$110 for each man, woman, and child, of the estimated population of the Dominion.

POLICY OF GOVERNMENT MINES.

There has been considerable misapprehension about the Ontario Government's conduct in regard to the development of mineral areas in the Temiskaming country. Premier Whitney in the Legislature defined the Government's atti-tude on April 3rd. He said:

It is well known that the mileage between the 101st and 105th mile of the Temiskaming and Northern Ontario Rail-way is very rich in silver ore. Advertisements will be issued shortly calling for tenders for a mining concession along this stretch of the right of way, some three and a half miles. These tenders will be issued on the followin~ conditions:

1. A yearly rental of \$500 for the use of a small block of land outside the 99 feet of the right of way, to be used as a site for mining buildings.

2. The payment to the Government of a 10 per cent. poyalty on all ore valued at \$400 per ton or less, a 20 per cent, royalty on all ore valued at between \$400 and \$1,000 per ton, a 50 per cent, rovalty on all ore valued at between \$400 and \$100 per ton, a 50 per cent, rovalty on all ore valued at over \$1,000 per ton. We want it to be understood that we are not offering the concession to anyone on these terms. They are the lowest we are prepared to consider. If any higher offers are made we shall, of course, be prepared to consider the highest. highest.

In addition to this, there is another question on which the public mind should be(set at rest, viz., in regard to the Gillies timber limit. It is understood that a portion of the limit consists of very valuable ore-producing land. The limit is now withdrawn from prospecting. The holders of the limit have disposed of the timber on that portion supposed to be rich in minerals, and it is now being removed. Of course, there is great enviosity as to what the action of the Government will be, and there has been considerable dis-cussion as to whether, on October 1st, the day by which the timber is to be removed, the Government will dispose of this mineral-bearing land in the usual war, or divide, it up this mineral-bearing land in the usual way, or divide, it up in small lots and auction them off. I desire to say that the Government have considered this matter carefully, with all the circumstances and conditions before them, and they have arrived at this conclusion, and they consider it their manifest duty to the people, that they will not dispose of that silver bearing land. It being ours, we are prepared to keep it, to use it, develop it and mine it for the benefit of the people of the Province of Ontario,

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By Professor

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Ores assaying are not so very r and ounces per thus far shipped

THE MONETARY TIMES PAGE OF TESTIMONY.

The following contributions speak for themselves. They could be easily multiplied:

By Professor Willet G. Miller.

In Camp at Giroux Lake, Cobalt, July 10th, 1906.

Not having a stenographer in camp, I try to avoid the preparation of papers and reports while here. One's ingers get stiff in handling the geological hammer, and after tramping eight or ten hours a day he is inclined to write but

I have not attempted to make a systematic examination of the various properties in the camp on which discoveries have been made during the last few months, my intention being to go over them in the autumn. The opportunities for examination will then be better, as development work is in progress on most of them.

The progress of the camp as a whole during the last year may be summarized as follows: All the old properties which I have examined in the vicinity of Glen, Kerr, and Cobalf Lakes are looking even better than they did a year ago. Important finds of veins, unknown a year ago, have been made on several of the older properties. It should also been made on several of the order properties. It should also be noted that very few important finds of rich silver veins have been made outside of the boundaries of the old pro-perties during the past year. These older properties are numerous enough to make the camp an important one. Few areas of the same size in North America have as many producing mines.

The ores from the older properties now being worked are of so high a grade that handsome profits are made on the silver contents alone. It is to be regretted, llowever, that during late months the mine owners have received nothing for the cobalt, nickel and arsenic contents of the ores, the value of these metals, if refined, being more than sufficient to pay for all the mining and other expenses. Many of the mine owners are awaiting the completion of the refining works at Hamilton, Ont., where it is said all the constituents will be extracted from the ores.

The history, geology and other points in connection with the camp are given in my report, published in the last volume of the Bureau of Mines.

By Professor William Earl Hidden, F.G.S. (London).

Cobalt. July 13. 1906.

I have made six professional trips to Cobalt, and feel after each visit more and more confidence in the future of the camp and in the district in general.

When specifiens of the rich silver-cobalt ores were first shown to me, in the summer of 1905, I considered them "freaks," or at least rare specimens. It seemed impossible that tons upon tons (as later proved to be the fact) of such oree could be ores could be produced by any camp in the known mining world. In fact, I strongly advised my friends against sending me to examine and report upon several properties there. telling them frankly that it looked to me like a waste of good

money and valuable time. But at length I went up to Cobalt in November last, and had the honor of going with Dr. Robert Bell, Chief Geologist of the Canadian Geological Survey. We spent a week together most profitably, as it proved, visiting the principal mines in and near to Cobalt town. It was the Doctor's and my maiden visits, so we were ready for first impressions. We were both amazed at what we saw, and wondered why we had not fully believed much of what we had been told

about the discoveries at Cobalt. After my several visits I am yet astonished at what is to be seen around "Cobalt" in the line of enormously rich veins of silver and unprecedented quantities of rich ores of cobalt itself. It is hard to comprehend now any good reason for my former disbelief, and to me it seems that Cobaltonpotentialities in the line of future sources of wealth from the rocks that surround them on all sides, and which seem to be saturated with uncommonly rich ores of silver, cobalt

One mine is now down to a depth of nearly 250 feet, one mine is now down to a depth of nearly 250 iccu, and "all's well" thus far: and I look for a continuance to 500, or even to r.000 feet, of present ores and profitable work. One company has earned over a million dollars in a little over a year at an expense of less than \$150,000. Another company has over a million dollars worth of rich ore now company has over a million dollars worth of rich ore now "blocked out," and is besides very much to the good already on earned profits. There are twenty other good working

Ores assaying five thousand ounces of silver to the ton are not so very rare, and assays up to eight and nine thou-sand ounces per ton are common. The average for all ores thus far shipped from Cobalt is not far from seven hundred ounces per ton, or about \$450 for the silver alone. Many a good mining camp is to-day booming on one-tenth of this average value.

87.

Cobalt is a place where the careful investor can easily prove to himself that the mining property is in actual ex-istence, and not a myth. He can get satisfactory proof as to value; proof as to the title to the property; satisfactory proof as to value; proof as to the title to the property; satisfactory proof as to the capability and honesty of the management and as to the officers and directors of the company; proof that the capitalization is consistent with the value of the company's holdings, and lastly, that the company has no internal quartele no litization.

company s notings, and instay, that the company has no internal quarrels, no litigation, no grait, and no deceptions. Cobalt is unique in many ways, and is by all odds the best-behaved mining town on this continent. Cobalt, looked at in a most conservative way, has a future full of exceeding promise. It is as yet, in spite of the very numerous dis-coveries, a veritable "terra incognita" as to ninety per cent. of its area.

Professor Hidden returned to Toronto yesterday. He informs "The Monetary Times" that during his visit to Cobalt, just closed, he discovered a silicate or carbonate of at Schneiberg, the famous cobalt mines of Saxony. It is a pink mineral occurring as an encrustation. Professor Hid-den has also identified polybasite among cobalt minerals, its first discovery in Canada. Though found in Silver King, Arizona, and several mines of Mexico and Saxony, polyba-site when pure contains seventy five per cent. of silver. It is an iron black ore of silver, consisting of silver, sulphur and antimony, with some copper and arsenic.

On the Spot a Year.

The following is from a twelve-months' resident in Cobalt for whose independence and integrity we can vouch: I am quite satisfied that this is a wonderful camp, and that we all feel confident that Cobalt is here to stay, for any rate.

some few years at any rate. It has been demonstrated during the past winter, and these summer months that there is no sign whatever of the veins petering out; in fact, I think each property looks better than it did a few months ago. While we know that some of the properties are very rich. I do not think that even the owners of the rich properties know what they really have. for even these properties have not been thoroughly pros-mental. When they are I look to see many more vering expected. When they are, I look to see many more veins posed than are in sight to-day.

I think the day for the poor prospector is about over in Cobalt, for, with from 2,000 for 3,000 men in the bush for so long the out-crops must have by now been thoroughly ex-amined. I think from now on what is found will be as a result of the expenditure of considerable money in the way

of trenching, sinking shafts, cross-cuts, etc. So far the silver showings appear to be confined to a small area in the immediate vicinity of Cobalt. The silver-bearing district does, however, seem to be extending a little for two or three good finds of silver and cobalt, have been located about five miles east of here, or one and a half miles east of the Kerr Lake section.

By a New York Expert in Rare Minerals.

do not believe that anyone in this country can give reliable information concerning the probable value, price of, and demand for silver and cobalt for a period covering, say, the next two or three years, or even a year. I, however, am a firm believer in the stability of silver values.

am a firm believer in the stability of sliver values. Fifteen to eighteen months ago silver sold as low as fifty-seven cents per ounce, but I doubt very much if we shall ever see that price again. It is my opinion, and the opinion of some of the largest bullion dealers in this city. that for some time to come, say until the first of January, silver will work higher; but what it will do next year depends reatly on economic and political conditions in the world, at large.

Certainly the consumption of silver has increased steadily for the past two or three years, and it really looks as if silver might go to seventy-five cents per ounce and stay there unless extraordinary conditions should arise; but, you know, two or three years are a long way ahead to look, and certainly I am not willing to put myself on record except in a general way. I believe that unless the Cobalt district produces a great

I believe that unless the could under produces a view deal more cobalt than it has in the past we are not going to see any serious decline in the price of cobalt metal and products. Just now, and in fact for some years, past, the price of cobalt has been controlled by a very strong syndi-cate in Europe, and I see no evidence, of any change in the

syndicate's attitude. Cobalt is a rare mineral, and the demand for it is limited, but I believe that at present the supply is not much, if any.

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THE MONETARY TIMES EXPERT. SCIENTIST'S STORY. THE

The most reliable writings about the Temiskaming distriet are those of Professor Miller, Geologist to the Ontario Government. Professor Miller is, in his field, primus inter pares. Dealing with such a potential speculative subject, he naturally writes conservatively, but he makes no secret. of his belief in Cobalt.

A letter from him to "The Monetary Times" is reproduced on another page. He is now surveying and prospecting the Gillies timber limit for the Government, and with a The second corps of helpers, is in camp at Giroux Lake. edition of his report on the silver deposits of Temiskaming for 1905, contains a preface which brings his observations up to the middle of last winter, the conclusion of which is: "No part of the world to-day offers better opportunities for legitimate mining enterprises than does Ontario and Canada in general. It is to be hoped that the industry will not receive another set back from mining on paper."

Mining on paper has been accomplished in other parts of the continent. Mythical properties were capitalized during a boom, which, of course, collapsed. Fortunately for the future of Cobalt there has been no boom, in the ordinary sense. The "stuff" is there waiting to be taken out. Belief in the possibilities of the camp has been of slow growth.

Cobalt has convinced the public that Ontario has de-posits of ore richer than are those known in most parts of the world. The discovery in Northern Ontario of eco-nomic minerals of any grade of richness will not be doubted in the future. It will be different from the his-tory of Cobalt, which although described in both the daily press and in technical journals, shortly after its discovery, received little attention from the public for nearly eigh-seen months. If the ore deposits had been in some re-mote region, difficult of access, its history as regards recognition would likely have been otherwise. There would have been a stampede to it.

First Historical Document.

There having been no stampede it is easy to consider rationally the facts as sifted and refined by this most com-petent authority. Professor Miller shows how the building of a railroad discovered mineral deposits. Valuable ores were kicking around the end of Long Lake, now Cobalt Lake, for some time before anybody took the trouble to have them examined. Mr. T. W. Gibson, Director of the Bureau of Mines, was at Halleybury, a town on Lake Temiskaming, a few miles north of Cobalt, which is likely to become a sort of Cobalt sur Mer, and the walue of which they did not recognize. Here is part of the first historical document referring to the great discovery. It is a letter from Mr. Gibson, the Director of Mines, to Professor Mil-ler, who was then inspecting mineral properties at Perth, Ont. Ont.

Bureau of Mines, Toronto, Oct. 26th, 1903.

Burcau of Mines, Toronto, Oct. 20th, 1903. I am enclosing herewith a fragment of a larger sample of what I take to be kupfer-nickel found along the line of the Temiskaming & Northern Ontario Railroad. The locality of the deposit is in the unsurveyed territory, im-mediately south of the township of Bucke. I have not learned anything as to the extent of the discovery, but if the deposit is of any considerable size, it will be a valu-able one on account of the high percentage of nickel which this mineral contains. I think it will be almost worth your while to pay a visit to the locality of the discovery before navigation closes.

With the testing of the ores at New York, the convic-tion that a new era in Ontario mining had been inaugurated naturally followed. Professer Miller began his investiga-tion of conditions. He found that most of the silver veins were in the Lower-Huronian, which overlie the Keewatin rocks. As to how the silver got there the Professor said a year, ago:

The material in these veins flas, in all likelihood, been deposited from highly heated and impure waters which circulated through the cricks and fisures of the crust and were probaby associated with-followed-the post-Mid-dle Huronian diabase and gabbro eruption. It is rather difficult to predicate the original source of the metals-silver, cobalt, nickel, arsenic, and others-now found in these veins. They may have come up from a consider-able depth with the waters or they may have been landbade able depth with the waters or they may have been leached out of what are now the folded and disturbed greenstones and other rocks of the Keewatin. Some European veins,

such as those of Annaberg, Joachimsthal and other locali-ties, show a similar association of minerals. How Deep Are the Veins?

On the important question of depth Professor Miller speaks clearly enough:

It is also impossible to give much definite information concerning the depths to which these veins will reach. Most of them do not appear to cut through the older Keewatin series, which forms an uneven surface below the Lower Huronian. In the vicinity of Cobalt Station the latter rocks are found on hill-tops which stand about 500 feet above the low water level of Temiskaming, where therefore, that the Lower Huronian conglomerates and other rocks associated with them may in some places have a thickness of at least 500 feet. In other places this series is entirely wanting, outcrops of the older Keewatin and later diabase forming the surface.

Professor Miller has written this valuable addition to his account of the first upon the depth of the veins, which, read in conjunction with his letter of two weeks ago, stating that the older properties are looking even better than they did a year ago, is while not, of course, the last proof of the soundness of his judgment, for that can only be obtained by actual mining, is as near conclusive as any fallible opinion based on scientific data can be.

While silver in the free state will probably become less abundant as the veins are worked to a greater depth, the reverse will likely be true of its compounds. At Silver Islet, which was worked to a depth of about 1,200 feet, the chief production came from the first four levels. At the Chalanches it was not found profitable to work the veins to a great depth. At Annaberg and Joachimsthal marrow veins similar in width and mineral contents to those of Cobalt have been worked profitably to a depth of between 1,500 and 2,000 feet. The writer, on general those of Lobalt nave been worked promaty on general of between 1,500 and 2,000 feet. The writer, on general principles, would not expect the values in the veins at Cobalt, except as regards their content in metallic silver, to change materially so long as the veins continue in one series of rocks. That is, if a vein is worked in Lower Huronian rocks, as the majority of them are, its values should not change materially until the bottom of the basin in which these rocks lie is reached. Or if a vein is followed from the surface in diabase, its values should continue not only in this rock, but also from what one can say at present into the Lower Huronian as well, it it underlies the diabase, as it does in many parts of the field. The horizontal extent of any vein, if it can be deter mined, should form some criterion as to the depth to which the vein can be followed.

** ** **

SQME TEMISKAMING MINERALS.

It will be some time before all the Temiskaming minerals finally classified. Professor Miller dissects the ores shipped from Cobalt as follows:

I .- Native elements: Native silver, native bismuth, graphite. II .- Arsenides:

Nicolite, or arsenide of nickel; chloanthite, or diarsenide of nickel; smaltite, or diarsenide of cobalt

III.-Arsenates: Erythrite, or cobalt bloom, and annabergite, or nickel bloom. IV .- Sulphides:

Argentite, or silver sulphide; millerite, or nickel sulphide.

V.-Salph-arsenide: Mispickel, or sulph-arsenide of iron; cobaltite. or sulph-arsenide of cobalt.

VI.-Antimonide

Dyscrasite, or silver antimonide. VII —Sulph-antimonides:

Pyragirite, or dark red silver ore; tetrahedrite. or sulph-antimonide of copper.

Stratcheona, Alta, has issued \$16.000 debentures, bear-ing 41/2 perseent, interest, Geo. F. Downes, secretary-

Guelph. Ont. is advertising for industries. The city offers special inducements to manufacturers who locate there. J. W. Lyon, secretary of the Board of Trade, will be glad to furnish full particulars.

To ensure "The Monetary mines, inviting first reply can Here it is:

I-Name Limited.

2-Exact sion 4, Coleman Extent 3

4-Date of eptemb -Name o 5-

-Date of Number -Number

length, approxi 9-Number

worked—Seven 10—Nature and drifts.

11-Extent can be given to 12-Depth shaft is about 1 the ore near th

ever, places wi appeared. 13-Extent 14-Where

15-Best ca 16-Poorest

17—Has an Yes, on one sh 18-Estimat

We have no wa bable value \$50 20-Descrip

mall steam 1 of the company drills, shortly.

21-Any ar ore will be sold 22-Particul \$10 shares; i.e.,

Toronto. 23-Current At present no shares was offe other issue of s

24-Dividen 25-Workin 26-Labor but in general t

A request f directorate was replies are give

The location Limited, is Mini and the extent covery was abo it was shortly Buffalo, the pres The first co In all, about tw principal veins boo feet on the Veins 5 and 6. depth of about for some three h eight other veins

.The shafts are being run so as rich at the 8 there is every pro-Veins are in this

with highly min The superint ship ten cars a Belbach Smelting and the Delmar The best car prod freight, sampling no receipts for values are unest Denison estimate

THE MONETARY TIMES ABOUT MINING PROPERTIES.

To ensure completeness and accuracy of information "The Monetary Times" wrote to the proprietors of all known mines, inviting them to answer a series of questions. The first reply came from Mr. W. J. Blair, of the University. Here it is

1-Name of firm or company-The University Mines, Limited.

2-Exact location of property-Part of Lot 4. Conces-sion 4. Coleman Township, and Mining Location J. B. 8. 3-Extent in acres-Fifty-six acres. 4-Date of first discovery and interesting facts about

September, 1904.
S-Name of discoverer-George Glendinning. Esg.
Date of first commercial working-August, 1905.
7-Number of veins worked since beginning-Two.

-Number and length of veins now being worked-Two: length, approximately 1,000 feet. -Number and length of veins discovered but not yet

orked-Seven 10-Nature of workings open, cut or otherwise-Shafts

and drifts.

11—Extent of ore blocked out—No satisfactory answer can be given to this question. 12—Depth of ore and variation of veins—The deepest shaft is about 100 feet. At this depth very little change from the ore near the surface can be seen. There have been, however, places where less silver and more cobalt and nickel appeared.

13-Extent of shipments-About 100 tons. 14-Where smelled-Principally at Newark, N.J.

Best carload results

15-Best carload results ______ 16-Poorest carload results ______ 17-Has anything beyond silver values been recovered— Yes, on one shipment which went to Europe. 18 Estimated value of other than silver ores shipped-

We have no way of determining this. 19-Data and estimated value of ores in dumps-Pro-

bable value \$50,000.

20-Description of mining plant-No complete plant-a small steam hoist, pump and one drill. It is the purpose of the company to install a complete plant, including air drills, shortly.

21—Any arrangements for smelting in Canada?—Yes; ore will be sold to Hamilton smelter when ready. 22—Particulars of capitalization—Capital, \$7,000,000 in \$10 shares; i.e., 100,000 shares. Head office, 10 Jordan Street.

23-Current prices of stocks and places where selling-At present no stock is being offered. One issue of 10,000 shares was offered at par and largely over-subscribed. Another issue of same size may be offered in a few weeks. 24-Dividends already declared-None.

25-Working expenses—\$1.500 to \$2,000 per month. 26-Labor conditions—Skilled miners are not plentiful, but in general there is no scarcity of men. A request for information about the personnel of the directorate was also made to each company. Mr. Blair's replies are given under "Who's Who."

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THE BUFFALO MINES.

The location of the property of the Buffalo Mines, Ine location of the property of the bunned links, Limited, is Mining Location 120 within the town of Cobalt. and the extent is forty acres, more or less. The first dis-covery was about one and one-half years ago, after which it was shortly purchased by Mr. Charles L. Denison, of Buffalo, the present president of the company.

The first commercial working was about a year ago. In all, about twelve veins have been discovered. The two principal veins that have been worked have been stripped foo feet on the surface. The chief work has been done on Veins 5 and 6. Shafts 5 and 6 have been sunk to a depth of about eighty feet each, and drifts have been run for some three hundred feet, all in pay ore. There are about

the shafts are some eighty feet deep, and drifts are being run some three hundred feet. The ore is just as rich at the 80 foot level as it was on the surface, and there is every present indication of its maintaining its value. Veins are in thickness from three inches to twelve inches.

with highly mineralized rock on each side. The superintendent of the mine estimates that he can ship ten cars a month. Smelting has been done by the Belbach Smelting and Refining Company, of Newark, N.J., and the Delma Company of Chrome, N.J. and the Delmar Copper Refining Company, of Chrome, N.J. The best car produced \$20,000 for twenty tons after deducting freight, sampling and treatment charges. There have been no receipts for anything but silver values, so that other values are unestimated. On May the 1st Mr. Charles L. Denison estimated the ore on the dump to be worth \$75.000.

A completely equipped mining plant has been estab-lished on the property, consisting of boiler, air-compressor, piping, hoists, mine cars, tracks, drills and all tools required in mining. There are also on hand fuel and food supplies sufficient for several months' requirements. About sixty-five miners are employed. The total capital is \$1,000,000, in \$10 shares, of which 100,000 remain in the treasury. No stock has been sold by the company at less than par. It is selling principally in the United States.

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NIPISSING'S GREAT OUTPUT.

The Nipissing mines at Cobalt, because of their great extent, their rich veins and their large shipments are natur-ally taken as a criterion of the camp. Less than ten per cent. of the total area of 846 acres, comprising the Nipissing Group, has been deforested or prospected. From the "Lit-tle-Silver" mine on the Nipissing Group, which was one of the first veins to be opened in Coleman township, has been taken over \$300,000 in silver values. Another ledge of this group-number 19—has produced over \$400,000. These are two of thirty ledges that have been opened and worked are two of thirty ledges that have been opened and worked on this property, none of which are down more than sixty feet in depth and the great majority of which show increasing values as the veins go down. Not a month has passed since operations first began on

this property without the discovery of a new yein, and the company has been by far the greatest shipper in the camp. It employs a large number of men and its force is



This is a photograph of the shaft at the Savage Mine. An earlier photograph of it appears on page 82. This picture was specially, taken for "The Monetary Times" last week, and shows the sacks of ore which have been brought up from the shaft.

being rapidly increased. Before August there will be em-ployed at this camp 250 muckers, hoisters, drill-men and laborers, all of whom will be fed and housed on the pro-

The new hydraulic plant on the shore of Peterson Lake The new hydraulic plant on the shore of Peterson Lake is now ready for operation, and there is little question that when the hydraulic giants strip the moss and surface soil from surrounding ledges, new and rich veins will be un-covered. Before the summer is over a shaft will be sunk at ledge 26, new which a new, and very rich vein has just been uncovered. As an indication of the richness of the ore found on the Nipissing it may be stated that several car-loads have been shipped which averaged \$95,000 per tar.

In May last 65 tons of first-class ore averaging 2,000 the second grade ore which will run from \$150 to \$250 per ton, and of which there are hundreds of tons on the dumps at the various ledges. The total operating expense for the month mentioned was less than \$6,000.

With the steady addition to the working force at the Nipissing mines the output will be materially increased throughout the summer, and there is every probability that

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the total earnings for 1906 will be from \$2,500.000 to \$3,000,-

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Not only have marvellous silver values been found on this property, but it is also rich in nickel, cobalt and ar-senie. Here also have been found bismuth, copper and antimony, and, in smaller quantities lead and zinc. It is highly probable that the deposits of some of the last men-tioned will considerable increase with the depth of operating.

The hydraulic plant at the Nipissing mines is now in operation. It consists of a 150 horse-power engine, a bat-rtery of boilers, and a powerful pump, together with three hydraulic "giants," as the nozzles are called, which can throw a solid 34-inch stream 250 teet. With this equip-ment the moss and surface soil for an area of many acres on the shore of Feterson Lake will be stripped quickly and conomically in the underlying ledge. The use of hydraulics in silver-mining is unique.

in silver-mining is unique, The Nipissing camp itself is interesting. It consists of two grub houses, four bunk houses, two ore houses, and assay office, a general office building, the superintendent's house, beautifully situated on the shore of Cobalt Lake, and stables for the horses? One of the grub houses—just com-pleted—is 150 by 30 feet, two stories, and will accommodate 250 men in the "chuck-room"—as the miner calls his dining hall—at one sitting. The present working forca at the Nipissing is being increased daily, and soon 250 men will be employed, fed and housed upon the property. Suit had been entered by the Government as to the validity of the title of part of the Nipissing property, but the following announcement was made this week by Attorney-

valually of the title of part of the Miphssing property, but the following announcement was mide this week by Attorney-General Foy, the acting Premier: "The Nipissing Mining Company, having satisfied the Government by evidence under oath taken in the suit that they were bona fide pur-chasers for value without notice of any defects in the title, and having paid \$250,000 to the vendors, and having taken out a certificate under the Lands Titles Act, the Govern-ment has withdrawn all claims against the company, so far as the matters at present in dispute are concerned."

MCKINLEY-DARRAGH-SAVAGE MINES.

McKINLEY-DARKHOL to make the McKinley-Darragh-Savage Mines, Limited. The company's capital is \$2,500,000, of which \$490,000 is still in the treasury, the bal-ance of \$2,100,000 having been paid for the properties. No shares, the par value of which is \$1.25, cach, have been offered for sale yet. Since the property was acquired by the property of the propresent company no dividends have been paid. The pro-perties comprise 122 acres, the McKinley-Darragh being at the south end of Cobalt Lake and containing forty acres.

The South end of could Lake and containing forty acres. The Savage contains forty-two acres at Cart Lake. The Bennett claim is a forty-acre lot in the township of Bucke. On the McKinley-Darragh two parallel veins, 500 fect, and on the Savage mine one vein 200 feet long have been opened. At the McKinley-Darragh surface work on a vein opened. At the McKinley-Darragh surface work on a vein 400 feet long has been done, and another vein about sixty feet long has been uncovered. On the Savage property there are five, known veins not yet touched; and on the Bennett lot, one of three parallel, veins which have been dis-covered, has been opened up for 300 feet. Mining on the McKinley-Darragh has been in open cut. Two shafts are being sunk. On the Savage one shaft is down 80 feet, and there is a drift from it of 60 feet. Another shaft is down 28 feet. It is estimated that about \$400,000

worth of ore has been blocked out. The Savage vein is better 80 feet down than it was on the surface.

The total shipments have been worth about \$200,000; forty tons shipped within the last month are expected to yield a minimum of \$1,000 per ton. About \$10,000 has been received for cobalt and nickel. There are about 60 tons of high-grade ore on the dumps, 30 tons of second-grade and 500 tons of milling ore.

SILVER CITY BY CLEAR LAKE.

The Silver City Mining Company, Limited, is incor-porated under the Ontario Mining Incorporation Act. The authorized capital is 350,000 shares of \$1 each. The extent of the property is twenty acres. It is a little to the southwest of Clear Lake, about two miles from Cobalt Station. The discoverer was Norman McLeod.

The first commercial work was done about December 1905, and consisted of a shaft thirty feet deep and 'a crosscut ten feet from the bostom of the shaft. Two veins have been worked since the beginning. Six veins have been discovered on the property. The amount of work done is the above shaft and another shaft that is now being sunk, and is about twenty-two feet deep. Considerable open cut work has also been done. Assays

have shown values of nearly \$3,000 per ton, selected samples. No ore has been shipped as yet. The stock is selling on the exchange at present at about 56 cents per share. It was first sold at 40 cents.

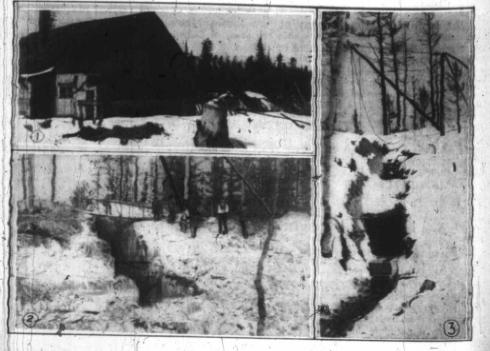
The directors believe the capitalization is exceedingly small. Values in Coleman township have advanced rapidly since the property was bought. The former owners accepted all of their pay for the property in stock-150,000 shares, or, on the original market price basis of 40 per cent -a total of \$60,000. The company states that the title to their ground is absolutely perfect. The claim adjoining the Silver City on the north was recently reported sold to Mr. Gates for \$50,000, and was in turn sold by him for \$150,000.

THE KERR LAKE.

The Kerr Lake Mining Company owns 52 acres at the south-west corner of Kerr Lake. The first discovery was by Edward Wright in November, 1904, and the first com-mercial working took place in February, 1905. Since then four yeins have been worked, two are now being operated, and twelve veins have been discovered, but not yet worked. There is a shaft 100 feet deep, a tunnel 200 feet long, and overhead stopping for about 50 feet. From the tunnel \$250,000 worth of ore has been taken. The Kerr Lake veins vary in width from 2 to 14 inches. Seven carloads of ore have been smelted at Perth Am-

Seven carloads of ore nave been smelled at Perth Am-boy in New Jersey. Only the cobalt and silver values have been paid for up to the present. The capital of the company is \$3,000,000, and incorpor-ation is under the Outario and New Jersey laws. The stock is practically owned by the officials of the company, and several dividends have been declared. About fifty men are working on the property and the company of operation are working on the property, and the expenses of operation are about \$3,500 per month, the wages running from \$1.75 to \$3 per day and board. There is an excellent plant on the properties. A ten-stamp mill, and complete concentrating plant for treating low-grade ores have been purchased, and will be installed at once.

A batch of winter views at the Buffalo Mine, which is within the town site of Cobalt. Number 1 is the engine house and 2 and 3 show the openworkings of veins.



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The Trethey the company wh by Mr. W. G. T shares. The pro-ground and a su within a quarter

What is kno covered on May in the Cobalt con menced in a ver shipped about D tons; and produc The property has lows: \$257,000 in is now in bags, a on the dump.

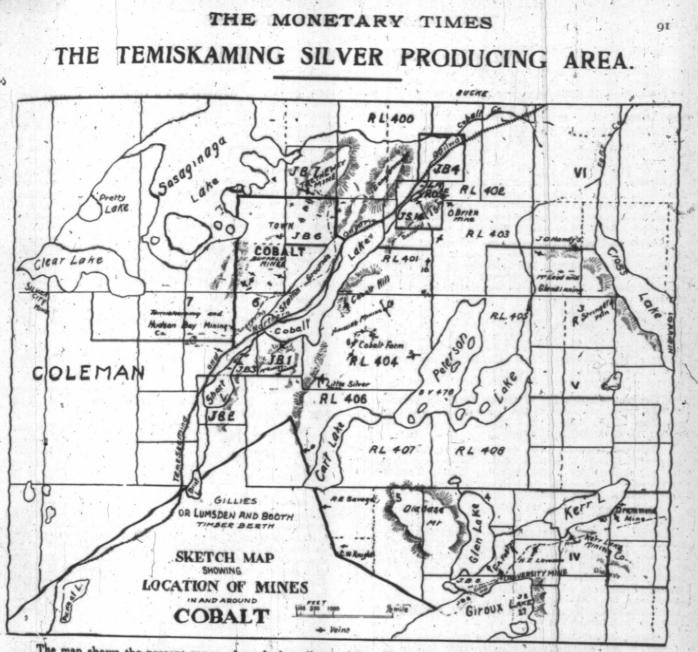
The large vei posed by open ci teet, and as nea \$500,000 and \$750. shipped to New per ton, 12 per c cent. arsenic. The have not been wo

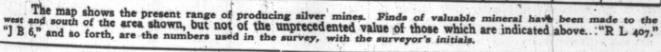
On the prope urteen drills, or There is also a house, office, powe cottages for the penditure to date etc. and: \$30.000 sink the shaft on t feet, put in levels. the other veins la high-orade or Cobalt Refining C

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THE TRETHEWEY.

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t.75 to the trating d, and The Trethewey Silver-Cobalt Mining Co., Limited, is the company which acquired part of the claims discovered by Mr. W. G. Trethewey. Its capital is \$1,000,000, in \$5 shares. The property contains about thirty-five acres of ground and a small portion of Sasaginaga Lake, and is within a quarter of a mile of Cobalt Station.

What is known as the large vein on J. B. 7 was discovered on May 23rd, 1904. It was the fifth discovery made in the Cobalt country. In the fall of 1904 work was commenced in a very small way, and the first carload of ore shipped about December of that year, contained nineteen tons, and produced \$34,000 net, one car realizing \$70,000. The property has produced over \$30,000, made up as follows: \$257,000 in cash for ore shipped to New York; \$30,000 is now in bags, and there is about \$57,000 of low-grade ore on the dump.

The large vein before mentioned on this property is exposed by open cutting and a tunnel for about five hundred for about five hundred \$500,000 and \$750,000 worth of ore in sight. Part of the ore shipped to New York produced about 4,100 ounces of silver per ton, 12 per cent. cobalt. 3 per cent. nickel and to per cent arsenic. There are other veins on the property which have not been worked.

On the property a large compressor, capable of driving fourteen drills, or eight drills with all the other machinery. There is also a boarding-house, blacksmith shop, storehouse, office, power house, sleeping house for forty men and collages for the management of the mine. The entire expenditure to date is about \$60,000, \$30,000 in plant, houses, etc. and \$30,000 in wages and material. It is intended to feet, put in levels, cross cuts to the north and south, cutting the other, veins lying north and south of the main vein. The high-orade ores will be shipped to the North American Cobalt Refining Company, of Hamilton.

MONTREAL-COBALT MINING CO., LIMITED.

The property of this company consists of 107 acres on the Montreal River, about a mile from Gillies' Depot. The entire tract has been patented, the title being held by the company free from all encumbrances.

The company bought the property this spring, and commenced prospecting scientifically. A diamond drill was installed, the result being the testing of two veins at a depth of foo feet, showing silver values of 525 and 587 ounces per ton, Twelve other promising veins are being developed; a depth of some fifteen feet has been gained at one point. The property is supplied with water transportation direct to the railroad.

TORONTO-COBALT MINING CO., LIMITED.

This company owns the south-east quarter of the north half of Lot 7. Concession 6. Coleman township, adjoining the town site of Cobalt. Six veins have been discovered on the property. On vein No. 1 considerable development work has been done with an up-to-date steam plant. A shaft sixty-five feet deep has been sunk, and a level is now being run to cross-cut other veins.

AMALGAMATED COBALT MINES, LIMITED.

This company states that it has just purchased a block of patented ground adjoining the Trethewey property on the west. A vein, which is believed to be a continuation of the large vein, J B 7, has been uncovered in the Amalgamated ground, and what is believed to be an extension of the wellknown J B 6 vein has been stripped for 200 feet. Another vein has been located and the working shaft begun where a two-inch vein of cobalt comes to the surface. Mineral showing already on the property has led to the belief that the "strike" is of great value. Some shipping ore has already been taken out, and as soon as the vein can be opened up sufficiently for economical ore extractions shipping to will commence.

WHO'S WHO IN COBALT.

Blair, W. J., B.A. Sc.—Director of the University Mines-Member of the firm of Blair, Sinclair & Smith, engineers, of New Liskeard.

Coulson, Duncan-General manager of the Bank of Foronto, has been in the banking business in Canada for 50 years. He is a director also of the Nipissing Mining Company, and the Victoria Rolling-stock Company, of Ontario

Chapin, F. B.—President of the McKinley-Darragh-Savage Mines, is an American who has been connected with many large and successful transactions in lumber and timber, and has made a success of everything he has touched. Attributes some of it to having married a Canadia .

Cochrane, Hon. Frank.—Ontario Minister of Mines and representative of the Nipissing district, which includes Cobalt, in the Legislature, was appointed in 1905, before being elected a member of the House. Is a hardware merchant of Sudbury; a strong administrator, but no speechmaker.

Converse, Edmund C.—One of the most prominent bankers and capitalists in New York, a director of the Nipissing-Mining Company, director of the Nipissing Mining Company, president of the Liberty National Bank, president of the Bankers' Trust Company, director of the United States Steel Company, the International Nickel Company, and the American Bank Note Company.

Denison, Charles, L., of New York.—Is president of Buffalo Mines, president of the Iroquois Coal Company, and president of the Morris Run Mines, also owns extensive timber limits in British Columbia.

Delamar, Captain J. R., of New great fortune out of mines in Nevada, He is vice-president of the Nipissing rector of the American Bank Note International Nickel Company.

Drummond, George E.—President of the Drummond Mines, Limited. Was born in Ireland, and educated in Montreal. Founded in 1881, in conjunction with J. T. McCall, the firm of Drummond, McCall & Co., Montreal, iron and steel merchants; also the Montreal Car Wheel Co., Can. Iron Furnace Co., and Drummond, McCall Pipe Foundry. Past president of Canadian Manufacturers' Association. Frominent for his able advocacy of protectionist principles for Canadian industries, and proposed principal resolution at the Congress of Chamber of Commerce of the Empire in England last week.

Earle, Ellis P.-Is a well-known New York expert, and dealer in rate metals. Immediately after testing the first sample of Cobalt ores submitted to him he visited the neighborhood, tramping through the bush from Haileybury, as railroad communication was not open. Having ascertained that the district was unprecedentedly rich, he at once bought up properties, and later amalgamated with other ininterests, which have eventuated in the Nipissing Mining Company, of which we is president. Is also president of the Peruvian Ochre Company.

Glendinning, Geo. President University Mines, Limited, is a young man who has had a norable career as a prospector in the Cobalt district. Was associated with M. Mc-Leod in the McLeod-Glendinning property near Cross Lake. These two were also the locaters of the Nuggett claim at s Gironx, as well as other properties. Mr. Glendinning is an undergraduate of the School of Science.

an undergraduate of the School of Science. Gibson, Thomas W., Deputy Minister of Mines, Ontario: became Secretary of the Bureau of Mines at its inauguration in 1891; promoted to be director in 1900 and Deputy Minister, 1906 At Haileybury in November, 1903, he was shown some samples of ore, very rich in niceolite, the value of which the prospectors did not recognize. Prof. Miller, at Mr. Gibson's request, made an examination of the district, which he continued in the following spring, with the results which are now well-known.

the results which are now well-known. Gordon, Major J. R.—Consulting engineer of the Silver City and Albert Mining Companies. Was a pioneer of the Sudbury district, and of New Ontario, which he has thoroughly explored. Urged the acquisition by Canadians of Sudbury properties for thousands of dollars, which now, in alien hands, are worth millions. Eaterly he concluded that a large vein of silver ore ran under Clear Lake. Attached a diamond drill, operated by a gasoline engine, to a 'scow, and pierced the vein within a few inches of the point calculated on, seventy feet below water, Major Gordon was trained at the School of Practical Science. Toronto. Hartan R. R. Used of the first of R. Harlas & Co

Harlan, B. B.-Head of the firm of B. B. Harlan & Co., Limited, dealer's in mining stocks in Toronto and various American cities. Mr. Harlan's firm were absolutely the first to exploit the Cobalt district in the United States.

Hidden, Wm. Earl Who writes on Cobalt on another page, has been a mineralogist since 1872. Discovered 1830 mine, producing emeralds and a transparent emerald green gem variety of spodumene (now know nas hiddenite) in Alexander County, North Carolina. Sent by Thos. Edison in 1879 on a five months' search for platinum mines in Appalachian belt of the C.rolinas, Georgia and Alabama. Discoverer of monasite (thought to be excessively rare) in commercial quantities. It now furnishes thoria for incandescent gas light. Co-discoverer and co-describer (with late Dr. Jas. B. Mackintosh) of minerals-hanksite, sulpholite. yttrialite, thoso-gummite and nivenite, also (with Samuel L. Penfield) of hamlinite; (with Dr. W. Hildebrand) of rowlandite and mackintoshite; (with Dr. J. H. Pratt) of new gem rhodolite and its associated minerals; discoverer of second known locality of sperryite, (the only known ore of platinum), in Macon Co., N. C. With Prof. John W. Judd, of London, discovered and described new mode of occurrence of ruby in North Carolina. Fellow of Geological Society, London. Resides at Newark, New Jersey.

Jacobs, J. Robert.-Manager Kerr Lake Mining Company. Has had large experience in British Columbia mining. A firm believer in "Canada for the Canadians." His company is financially interested in the Hamilton smelter.

King, J. S.-A director Buffalo Mines; is president of J. D. King Company, Limited, Toronto; vice-president Home Life Association of Canada.

Monell, Ambrose, of New York.—Is president of the International Nickel Company, and a director of the Nipissing Mining Company.

Murray, J. P.—President Silver City Mining Company. Is widely known as a Toronto manufacturer. Ex-chairman of the Toronto branch of the Manufacturers' Association. President of the Toronto Carpet Company. An intensely patriotic Irishman. President of the Empire Club of Toronto.

Miller, Willet G., M.A.—Premier scientific expert on Cobalt, and namer of town. Educated at Port Rowan High School, and graduated at the University of Toronto. He is a B.A. of 1890-93, M.A. 1897, Fellow 1890-93, and examiner in mineralogy and geology 1893-95; was assistant in held geology, Geological Survey of Canada in the region north of Lake Hurorf in 1891-93; lecturer in geology in Queen's University, Kingston, Canada, 1893; in charge of field works in geology in Eastern Ontario for the Bureau of Mines 1897-1901; appointed Provincial Geologist by the Ontario Government 1902. Has been a post-graduate student at Chicago and Harvard and at Heidelberg, Germany. His writings have been chiefly on the archean and economic geology of Eastern Ontario; papers and reports on corundum-bearing rocks, iron ores, gold deposits, etc., in annual reports of the Ontario Bureau of Mines, American Geologist, Canadian Mining Institute, etc. His recreations are canceing and exploring. Predicted valuable mineral discoveries in the neighborhood, two years before. Now in camp at Giroux Lake, and is surveying Gillies' limit for mining under Government auspices. Believer in Cobalt, because he knows.

Osler, A. E.-A broker of Toronto, and a strong handler of Cobalt properties, is a director and secretary of the McKinley-Darragh-Savage Company, and closely identified with the Buffalo interests.

Rutter, A. F.-A director of the Buffalo Mines, is a partner in the printing firm of Warwick Bros. & Rutter, Limited, Toronto, and is also a director of the "Globe" newspaper, Toronto.

Smith, J. C.-President Albert Mining Company, and director Silver City Mining Co. Is Mayor of Toronto Junction, a flourishing outgrowth of the capital of Ontario.

Smith, Cecil B.-Is chairman of the Temiskaming and Northern Ontario Railroad Commission, the Government Railway, the grading of which led to the discovery of Cobalt silver. Has written a standard work on Railway Engineering.

Sibley, Hiram W.—One of the principal men in the Kodak organization. is a director of the McKinley-Darragh-Savage Company. Lives at Rochester, N. Y., where he is and has for many years been a leader in basiness circles.

Thomson, Col. Robert M.—Banker and capitalist of New York. Is a director of the Nipissing Company, the National Bank of North America, and the International Nickel Company.

Wilson, R. J., M.D.-Who is director Buffalo Mines; is also chairman of the Board of License Commissioners, Toronto.

Wharton, Joseph—Has large intérests in Philadelphia, where he is a well-known capitalist. Is a director of the International Nickel Company, and of the Nipissing Mining Company. In a general of paying ores, down 275 fect. for 600 feet; an maintains its a 4 to 14 inches, good veins in From another worth from \$20

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The property Co., Limited, com property: Mineral and it was first w is now being work discovered, but no of ore have not ye capitalized for \$3.1 still in the treasur

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LATEST FROM COBALT.

(From Our Own Correspondent.)

Cobalt, July 19th, 1906. In a general way the best asset of the camo is the depth of paying ores. I have proved that the La Rose shaft is down 275 feet. At the 100 foot level drifting has been done down 275 teet. At the 100 100t level drifting has been done for 600 feet; and at the 200 foot level, for 300 feet. The ore maintains its values, and the vein varies in width from 4 to 14 inches. There is no reason to suppose that other good veins in the neighborhood are different from this. From another wein on that property many rich nuggets worth from \$200 to \$800 each have been taken.

Great interest has been taken in the hydraulic plant Peterson Lake, which is now in operation. The powerful streams from the 3%-inch nozzles of the "giants" have already cleared away enough earth to disclose a valuable showing of smaltite near the power house. Within the next few weeks it is expected that several acres will be stripped. and that the expenses incurred by the Nipissing people in

and that the expenses incurred by the Arbissing people in establishing the plant will be more than justified. Mr. W. H. Linney, superintendent of the mines, who has had wide experience in the Western States, expressed himself to me as well satisfied with the work done so far. He tells me that he has found a new vein on the hillside near Ledge 26, which is wider and richer in appearance than 26, from which \$200,000 worth of ore has been taken. A shaft is being sunk on the spot, from which drifting in three directions will be done. The new ore in sight assays at about 8,000 ounces to the ton.

The reported shipments of ore during the last few months do not indicate the extent of the mining carried on. Most of the mines are financially interested in the smelter at Hamilton, which will be ready for work very soon. They

have, therefore, been accumulating ores. While the Buffalo, Nipissing, Trethewey and Univer-sity have made shipments pretty steadily, the Silver Queen and one or two others expect to send out their first carnext week

l have talked over the situation with Mr. John Black. who lately went to Toronto to interview the Government. He is a native of Montreal, and has had wide experience in the mining camps of British Columbia and the Western

States. He regards the outlook here as most hopeful. The camp looms up bigger every day in the minds of United States capital. He knows of many who are looking for properties.

The mining laws of Ontario, as at present administered, give every one a show. Since the recent adjustment by which the first applicant receives privilege of working for a certain length of time the condition is better than ever. The establishment of a branch office at Cobalt is a tardy . recognition of Cobalt's importance. Mr. Black predicts recognition of Cobalt's importance. Mr. Black pitthat the output for 1905 will run into many millions. Mr. Black predicts

** ** ** THE SILVER QUEEN.

- The Cobalt Silver Queen mining property is fifty-eight acres in extent. It was discovered on June 12th. 1905. by Messrs. D. D. Cameron, J. J. McEwen and James E. Whyte. The first commercial working was in July. 1905, and there is now being worked one vein about 200 feet long. There is one shaft, and drifts, about 200 tons of ore having been blocked out. The tested depth of ore is sixty-five feet. One car has been shipped to be smelted in Newark, N.J. The mining plant consists of a nominal five-drill air-compressor, boiler and hoist. The company has been capitalized for \$1,500,000, divided into 1,500,000 shares of \$1 par value. The current price of stock is \$1. It is selling principally in Toronto

THE DRUMMOND MINE.

The Drummond Mine is owned privately, and is not on the market, so far as its shares are concerned. The capi-talization of the company is \$100,000. The mine is in regular operation, is a regular shipper of Cobalt ore, and is in every way satisfactory to those interested. The property is fully epuipped with steam power, compressors, drills, etc., and is being worked on an economical basis. Additional plant has been arranged for and will shortly be installed.

PETERSON LAKE.

The property of the Peterson Lake Silver Cobalt Mining Co., Limited, comprises 208 acres adjoining the Ninissing property. Mineral was first discovered in the spring of 1005: and it was first discovered in the spring of 1005: and it w first worked commercially this spring. One vein is now being worked in open cut, and three veins have been discovered, but not yet worked. The depth and variations of ore have not yet been ascertained. The company hasebeen capitalized for \$3,000,000, in shares of \$1 00 each, half being still in the treasury. The current price of stock is 50 cents.

THE STAR.

The Star Silver Mine Co.'s claim contains thirty acres; and mineral was first discovered on it in the summer of 1905 by Mr. J. B. Woodworth. Two veins have been worked 1905 by Mr. J. B. Woodworth. Two veins have been worked since the beginning, and one vein, 300 feet long, is now being worked, while three yeins are waiting to be mined. There is a shaft 100 feet deep and a tunnel 150 feet. No slipments of ore have been made. The company has a full mining plant, including air drills, boiler, etc. The capitalization is \$2,000,000, and none of the stock is for safe. The working expenses are figured at 10 per cent, on cost of ore. Labor conditions are good.

....

CROPS NEED THOUSANDS OF EXTRA MEN.

Winnipeg, July 19, 1906.

Crop reports to noon to-day show the general condi-tions throughout the West to be uniformly fine. Wheat in every district is nearly all headed out. With continued fine

weather cutting will be general in the first part of August. There have been some reports of rust damage, but in-vestigation has shown them to be scare stories to influence the market. There is an occasional field of summer-fallowed where grain is lodged, but no damage has been done. estimated by most that 25,000 extra harvest hands will be needed to take in the crop

.... GOLD IN TEMISKAMING.

The discoveries of gold along the old Hudson Bay fur traders' route, 75 miles north of Ville Marie, the French Canadian town, which is on the east side of Lake Temiskaming, about twelve miles from Cobalt, are attracting manyectors

Messrs. Renaud and Ollier, of Ville Marie, who made the find, exhibit exceedingly rich samples of orc. Areas of large or small size have already been "blanket-claimed." and one company was formed within an hour of the an-nouncement of the find. Under Quebec laws, a man may take up as many square miles of territory as he likes on payment of \$5 per square mile, which gives him possession for three months, at the end of which he can renew.



Published by THE MONETARY TIMES PRINTING COMPANY, LIMITED, 62 Church Street, Toronto

TO EXTRA-CANADIAN READERS.

Several thousand business men in the United Kingdom and the United States to whom this issue of "The Monetary Times" goes, will see the paper for the first time. Many of them will want to know more about the enterprises which are described and advertised in it.

This number is intended to help in the expansion of Canada. We shall be delighted to answer any enquiries, and to serve in any way gentlemen who care to communicate with us.

The number was only announced two weeks ago, but the demand for advertising space has been so great that we are compelled to omit several articles, including "The Way In," "A Sketch of the Temiskaming & Northern Railway," "Rail-road Extension in Canada Since 1901," "How Cobalt Ores Are Smelted," "A Complete List of the Mineral Discoveries Passed by the Government Inspectors," and a great deal of our ordinary financial and other matter.

The present subscription of "The Monetary Times" is \$2 per annum, and \$2.50 abroad. Fill in, cut out and mail the following form .--

To "The Monetary Times" Publishing Co., 62 Church Street, Toronto.

Please send "The Monetary Times" for one year from aate

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THE MINING LAWS OF ONTARIO.

Summary of An Act in Which There Are 222 Sections.

By T. W. Gibson, Deputy Minister of Mines.

In view of the criticisms of the Mining Laws of the Province of Ontario, the following precis has been written for "The Monetary Times" by Mr. T. W. Gibson, Deputy Minister of Mines, at the request of the Minister, the Hon. Frank Cochrane:---

"The Mining Laws of Ontario were remodelled at the last session of the Legislature, and the following is a synopsis of the New Act, officially known as The Mines Act, 1906, so far as concerns the taking up of mining lands the property of the Crown.

"In order to acquire mining lands the property of the Crown two essentials are requisite: (1) A Miner's License, which costs \$10 per annum; (2) discovery of valuable min-eral in place. The holder of a Miner's License is entitled to prospect for minerals on all lands save those included in Forest Reserves; in the latter case a special permit is re-mined quired.

Lands which have been sold or located for agricultural purposes since 4th May, 1891, since which time the mines and minerals on said lands have been reserved to the Crown, may also be prospected by the holder of a Miner's License.

'Applicants for mineral claims' on lands, the surface rights of which have been granted or located, must compente the holders of the surface rights for damages done thereto before patent can issue

What a Discoverer, Must Do.

Lands covered by timber licen e may be prospected for mineral, and if discovery is made may be staked out as mineral claims. The applicant is not authorized to begin-mining operations without procuring the consent of the Department after communication with the holder of the timber license

"The Act provides for the division of the Province into mining divisions with a Recorder in each division. Where there is not sufficient prospecting to warrant the establish-ment of a local office, applications are made to the Depart-

ment of a local office, applications are made to the Depart-ment at Toronto. "On discovery of valuable mineral in place on un-located lands the license is required to stake out a claim. The size of a claim, except in special mining divisions is 40 acres, viz., 20 chains square, with boundaries due north, south, east and west. In unsurveyed territory the claim may be staked out to suit the discoverer. In surveyed ter-ritory the claim must conform to surveyed lines on the ground. The corners of a claim are marked with four posts. These posts are connored by lines blazed on the trees, if there are any, or marked by pickets or mounds if on bare rock. A similar line is blazed or marked from No. I (the north-east) post to the discovery which must also be mark-ed by a post planted on the outdropping. On No. I post and the discovery post must be marked the name of the licensee with the number of his license, date of discovery, and if in surveyed territory, the sub-division of the lot claimed.

claimed. "In special mining divisions flic size of the claim is 20 acres, viz, 20 chains from north to south, and 10 chains from east to west. The township of Coleman has been pro-claimed a special mining division by the Act. "Within fifteen days after staking out his claim the licensee must make application to have it recorded in the office of the Recorder for the division on forms provided for the purpose. One day, additional is allowed for every ter miles distance from the Recorder's office.

Three Claims a Year the Maximum

The licensee may stake out three mining claims in a year in any mining division. The fees for recording claims are \$5 for the first, \$7.50 for the second, and \$10 for the

third. "Thirty days' development work is required to be done on a claim within the first ninety days after recording it, sixty days' within each of the next two years, and ninety days within the third year, making in all 240 days work of not less than eight hours per day within three years and three months. This work may be completed within a shorter period at the option of the claim-holder

"On performance of the work, and filing proof of same with the Recorder, and also having the claim surveyed; if required, a patent of the claim will be issued by the Depart-ment free from any further working conditions The price to be paid is \$2.50 per acre in unsurveyed territory, and \$3 per acre in surveyed land.

"The Act provides that an inspection may be made by Departmental inspectors to verify the allegation of valuable discovery. Similarly, the amount of work alleged to be done upon a claim is subject to inspection.

"It will be seen that the discovery of mineral in place is necessary before a mining claim can be acquired. The law makes special provision for cases where mineral does not outcrop at the surface by reason of an overburden of soil, barren rock, etc., or where the nature of the mineral does not admit of its appearing at the surface, as in the case of natural gas, salt, etc.

Two Dollars an Acre for Some.

"In such cases a working permit may be procured sixty days after making application therefor entitling the holder to exclusive possession of the claim for six months. During this time he is required to work on the claim five days in the week, or to expend an equivalent amount of labor. At the end of six months, if no discovery has been made a renewal of the permit may be obtained. On making discovery, the claim may be taken up in the ordinary way.

"The Act also provides for what is known as 'prospecting permits,' under which a square mile of Crown territory may be staked out for the following minerals, viz: coal, petroleum, natural gas, or salt, upon which \$2 per acre must be expended in searching for minerals during the cur-ency of the permit, which is issued for one year. Upon dis-. covery of any such minerals a lease may be obtained at an annual rental of \$1.00.

"To hold mining lands acquired under the Act a miner's license is necessary. Mining companies as well as persons and firms operating mines must also be licensees.

"Disputes between licensees, instead of being settled as formerly by the Department of Lands and Mines, are now referred to a Mining Commissioner. An appeal lies from the decision of the Mining Recorder to the Commissioner. and from the commissioner to a Divisional Court, whose judgment is final.

"There are no royalties or taxes levied on minerals in Ontario,

"Miners and workmen under the Mines Act may obtain lien for wages in the same way as a workman under the Mechanics Lien Act.

"Liquor licenses may not be granted in new mining camps within six miles of a working mine."

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LIFE AND ACCIDENT INSURANCE.

At the conference of the International Association of Accident Underwriters at Bluff Point, Lake Champlain, thirty-six companies were represented half a dozen of them Canadian. The president, Mr. W. Bro. Smith, gave the annual address. Among the addresses were those by Mr. Barry, Insurance Commissioner for Michigan, on "The In-surance Company and its Relations to the Public"; Mr. Miles Dawson, the eminent actuary of New York, on "Health Dawson, the eminent actuary of New York, on "Health Insurance in North America"; V. D. Cliff on "Industrial, Accident and Health Insurance"; by F. C. Oviatt on the general subject.

Mr. Smith deplored the failure of the association to cure foolish action by companies. Mr. Eastmure, of Toronto, differed from this view, insisting that the voluntary association could control no one, and that the individual companies were to blame for not following the recommendations of the body. Mr. Barry condemned the double liability clause in policies, and also the beneficiary clause. Mr. Oviatt, in an able paper, satirized the "fakes and frills" that some companies tacked on their policies for mere advertising. Some of the newer companies, he thought, were selfishly aiming at petty advantages, and there was a lack of dignity about their business. A committee was ap-pointed to prepare standard forms of policy.

Over a year ago the North American Life Assuran Company applied to the Insurance Commissioner at St. Paul, Minnesota, for the release of the mortgages on deposit there on the ground that the company had not transacted business in that State for some years, having but a few policyholders there; and that New York State had been made the depository for securities for the benefit of policy-holders in the United States. Insurance Commissioner O'Brien was anxious to meet the views of the company, but the Attorney-General for the State said consent of the courts was necessary. The North American Life thereupon entered into a friendly suit to obtain possession of the mortgages, amounting to a little over \$100,000, and suggested that it would be willing to leave on deposit in the State for the protection of policyholders (the total amount of the policies being about \$17.500) gold bonds to the amount of \$25,000. The judge consented, and said the suggestion of the com-pany was very liberal.

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FROM ALL OVER THE COUNTRY.

Walkerton.—An addition is being maile to the furniture factory here, and also a new G. T. R. station is building. There is also a prospect of a new drill hall.

East London. Ont-The Crandall Cullery Company, of Bradford, Pa., propose to start a plant in East London, Ont., and they look for a subscription of \$40,000 of stock from the people of London.

Regina.—Assessment of city lots at their full value has, made a mighty difference in the valuation figures of the city this year. The figures are:—1905, \$3,850,018, and 1906, \$7,083,979. The building permits issued for the month of June exceeded a quarter million.

Portage la Prairie, Man .- By-laws ace to be submitted in a few days to enable the town to borrow \$50,000 to ex-tend the water-works and \$10,000 to make additions to the school buildings. An engineer will shorts look into the development of power from the Assinibure, near here.

North Battleford, Sask.—Settlers and land-seekers, are still pouring in, and for a homestead one shas to go a dis-fance of 40 or 50 miles.—The Government has agreed to build a traffic bridge connecting the two towns, which will be a great boon. It, is expected to be built by next spring

Chatham, Ont. The ratepayers are saked to vote on two by laws. The principal one being to authorize a loan of \$75,000 to the Keystone Sugar Factory the other to lend \$20,000 to the Keystone Sugar Factory the other to lend hank proposes to build a branch on a lot they already own. They have meanwhile leased premises to open in August.

Woodstock, Ont.—This city shows an increase of 300 in population, owing to the immigrants having more than filled the places of the people who have left here for the North-West. The building trade is very active and the factories well employed. Faimers are deing well in hogs, and the crops show an excellent prospect.

Lethbridge, Alta.—The continuous fains of May re-sulted in heavy losses to sheep men. One lost 1,000 lambs, and between winter storms and spring fains about 1,000 ewes. But even with these drawbacks, the business is profitable, the average price paid for wood this year being slightly over 17 cents per pound.

Hamilton.—Two large new industrial enterprises are in sight for Hamilton. The Berlin Machine Works, of Beloit, Wis, one of the largest wood-working concerns in the United States is going to spend hait a million dollars on a factory in the east end of the city, and will employ 250 hands. The Hamilton Steel and Iron Company will more than double their capacity by the erection of new furnaces, and the extension of their buildings at a Cost of over \$300, ooo. Arrangements are being made with the city for cer-tain exemptions of taxation.

Quebec.—It is realized that the port of Quebec is very badly off for proper piers and facilities for loading and un-loading vessels. Indeed it is no position to handle the traffic which will be poured upon it by the C. P. R. The shipping merchants are trouble, about the matter and call upon the Harbor Commissioners to wake up.—A group of well-known Quebec men are in a syndicate which has leas-ed to be the control of the Commusation. ed to lots of a square mile are in a synuccase which has leased which lies in the far north and can be reached in 25 days from Roberval. Mr. H. L. Blake, engineer, has been up there, and is going again. He believes there is gold, sil-ver, copper, nickel and asbestos, in the disprict.

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BEST OF THE LAST AND BEST.

Red Deer Board of Trade sends a brochure setting forth the attractions of that district of Central Alberta, under the title of "The Last West, the Best West, Red Deer the Best in the West." The second title page con-tains these points grouped around a railroad map.--"Red Deer, the centre of the Province of Alberta." "Modern and progressive." "Stuard on the south bank of the beautiful Red Deer River." "Hawing water-works, electric light, and two telephone systems." "A coming metropolis." "An industrial and unicial centre." "Mixed farming in all its branches flourishes." "Ked Deer the rail-way centre of Central Alberta."

way centre of Central Alberta" Climatically, what could be bestar than this? March sometimes sees the ground plear of snow-March sometimes sees the ground plear of snow. Spring begins in March and April and cours quickly. The full spring and summer produce the most marvellous changes, of which we shall speak later. Is May and June copious showers may be looked for, and are very much re-quired for the grain crop. The summer is a rich, glorious season of growth and ripening, and as subsequent facts will show, produce amazing results. There are no blizzards in this country, no hot winds to scorch, no serious drought, this no locusts to destroy. There are seasons better and worse, but on the whole no better and healthier climate can be found than that of Alberta, always bearing in mind that is a bracing climate, not an enervating one.

BANKING AND FINANCIAL.

The Consolidated Mining & Smelting Company, of Canada, Limited, have declared a dividend of 21/2 per cent for the quarter ending June 30th last. For the five months ended June 30th the gross value of the company's output was \$2,608,362

The Hon. W. C. Edwards, of Rockland, Ont., has been elected a member of the board of directors of the Canadian Bank of Commerce in place of the late Mr. W. B. Hamil-ton. Senator Edwards is the head of the well-known lumber firm of W. C. Edwards & Company, whose mills on the Ottawa River are among the largest in Canada.

The debenture-holders and depositors of the defunct The debenture-holders and depositors of the defunct Farmers' Loan Company are being paid a fifth and final dividend. Enough has been realized from the Farmers' Loan assets to pay 88 cents on the dollar to debenture-holders and a like percentage on 85 per cent of the de-positors' accounts. The insolvent concern has been in the hands of the Toronto General Trusts Corporation since 1897. The assets were chiefly real estate, hence the delay in winding-up.

Coates; Son & Oo., the London financial firm, are pressing their claim for \$15,000 for brokerage against the Ontario. Government, contending that, per agreement with Mr. Harcourt, the late Minister of Finance, they had the right to float permanent loans. On two occasions when op-portunity offered to tender for loans, the Coates Co.'s figures were lower than those of any other tenderers. The Covernment of course is discussion to be been Government, of course, is disputing the claims.

At the first annual meeting of the Rio de Janeiro Tram-way, Light & Power Company, Toronto, favorable reports were made as to the progress of construction work, and the company's prospects. The company hope to supply power and light from a temporary power house by the end of the present year. Earnings of the subsidiary companies are satisfactory. The old board of directors were re-elected as follows:--W'. Mackenzie, Frederick Nicholls, Sir W. Van Horne, Z. A. Lash, E. R. Wood, F. S. Pearson, A. W. Mackenzie N. P. Bull. P. Farguhar Alex. Mackenzie, and Mackenzie, N. P. Bull, P. Farquhar, Alex. Mackenzie, and R. M. Horne-Payne.

R. M. Horne-Payne. Mr. D. M. Stewart, general manager of the Sovereign Bank, returned to the city, from New York, on Wednesday. Being interrogated on behalf of "The Monetary Times," respecting the rumor that he was the medium for the invest-ment of French capital in Canada, and that the Penman Manufacturing Company, of Paris, Ont. had in this way been purchased, he said: "I am not in a position at present to give you any particulars of the deal, but I am in a position to confirm the purchase of the company by British and European capital."

....

THE STOCK MARKETS.

Friday .- Trading continued dull and prices generally easier. Montreal Power advanced to 97 in Montreal on announcement of increased dividend of 5 per cent. Transactions limited, partly owing to advance in call money, rate to 51/2.

Monday .- Rio de Janeiro quoted lower, as a result perhaps of scanty information at annual meeting. Mexican stocks also were a little easier. In New York the market showed some improvement, not reflected in Canadian 'Changes to any extent.

Tuesday .-- Continued weakness of Brazilian securities. Reports of revolution came to hand but were denied. These bear influences countermanded, by the increasing stability of Brazilian currency, by which Sao Paulo in particular has been strengthened.

Wednesday.—Business dull and few sales of Rio. Sao Paulo, however, dropped 5% to 136 in Montreal. Twin City weak on declaration of old dividend. Mackay, preferred. more active, selling at 72 and down to 7114. Imperial Bank rose two points, with the demand for evening up purposes in connection with the new stock. Thursday.-Market continued

continued dull, with no feature worth noting

. The general situation of the stock market in this country and the United States is very dull, while at the same time apparently everything favors activity and firmness. Crops promise to be excellent, the industrial situation was seldom of never better; the widespread prosperity of the people unquestioned. Yet, where there is any activity in tracks at all it same to perit down and the theorem. people unquestioned. Yet, where there is any activity in stocks at all, it seems to point downward. The theory in Walk Street is that large interests, with exceptional facilities for information. for information, foresee a business reaction. More pro-bably, however, a readjustment is in progress between money rates and stock exchange values, in which exchange business naturally suffers.

Note-Montreal and Toronto market reports will be found on page 106.

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THE MCKINLEY - DARRAGH - SAVAGE MINES

OF COBALT, LIMITED

INCORPORATED UNDER "THE ONTARIO COMPANIES ACT"

Notice is hereby given that the above named Company is issuing a Prospectus inviting subscriptions for the shares at a price of \$1.25 each, the par value of which shares is \$1.00 each. Said Prospectus states among other things that,

I. The Company owns two producing and shipping mines in the midst of the producing mines of Cobalt Camp. known as THE MCKINLEY and THE SAVAGE MINES, from which in the neighbourhood of \$200,000 worth of ore has been shipped.

2. Both mines are fully equipped with machinery, plant, buildings, etc., and are managed by men having large practical experience; active mining operations are being continuously carried on, shipments from time to time being made. The Mining Engineers of the Company estimate that the carrying out of the mining operations as suggested by them and contemplated by the Company, will produce an annual return of \$720,000 from the veins now being worked; a large portion of the properties owned by the Company is as yet unprospected, from these equally good results may reasonably be expected.

3. The Charter of the Company, By-Laws, Contracts, Engineers' Reports, Assays, etc., may be seen at the offices of the Company, NOS. 6-7 ABERDEEN CHAMBERS, any time during business hours. Copies of the said Prospectus may be obtained at the offices of the Company's Brokers,

> MESSRS. A. E. OSLER & CO., No. 43 Victoria Street, TORONTO.

This notice is not to be regarded as an invitation to the public to subscribe for shares

THE UNIVERSITY MINES

LIMITED.

A PRODUCING AND SHIPPING MINE.

Incorporated under the Ontario Companies Act and the Ontario Mining Companies Incorporation Act.

Authorized Capital - - \$1,000,000

DIRECTORS :

GEORGE GLENDINNING, of Toronto, Mine Owner WILLIAM JOHN BLAIR, of New Liskeard, Civil Engineer HUGH LIVINGSTONE KERR, of Toronto, Geologist DAVID ALEXANDER DUNLOP, of Haileybury, Mine Owner

ARTHUR CLARENCE PRATT, M.P.P. for South Norfolk"

Within two months it is probable that the Company will put on the market a new issue of stock.

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MONETARY TIMES THE

SILVER IN TEMAGAMI REGION.

Extraordinary mineral activity is noted by L. O. Arm-strong, colonization agent of the C. P. R., in new areas in the Lake Temagami region, and north, of the Soo. The ores are very rich in silver, but are quited different from those at Cobalt, the lodes being broad and deep and com-orising large bedies to be being broad and deep and American capitalists are about to build a smelter near Canadian and to be in extremely keen Labor is reported Tront Lake. demand.

. . . MISCELLANEOUS ITEMS OF NEWS.

Ouebee and Lake St. John Rallway £75000 4 per cent. prior lien bonds of £100 cach have been listed on the ondon Stock Exchange

A highly improved Welland Canal being needed, a party of Dominion Government surveyors has been at work in ors has been at work in the neighborhood for some time.

The total number of visitors to Bauff National Park last year was 19,838. Of these, in round numbers 13,000 were-Canadians and 4,000 Americans.

Ellison & Co, are about to erect a. 156-barrel flour mill at Lumsden. Alta, to be increased to 500 barrels within five years. The municipality gives the site and some tax xemption

The business section of Arrowhead, H.C., was on the 12th inst. wiped out by fire at a loss of \$50,000°. Chief suf-ferers were Read & Young's general store, C. B. Hume's general store, Geo. Chapman's eigar store, Union and City Hotels. Total insurance was \$12,000.

The section of the Trent Canal between Lakes Balsam and Simcoc, about twenty miles long, is to be opened for navigation in two months. Other sections are already com-pleted, and it is expected that the whole length of the water-way, from Orillia to, Healey's Falls, will be navigable by the fall the fall.

Mr. J. S. N. Dougall, of McCaskill, Dobgall & Co. late president of the Dominion Commercial Travellers' Associa-tion, has been elected by acclamation chairman of the Mont-real branch of the Canadian Manufacturers' Association. Mr. S. W. Ewing, of S. H. Ewing & Sons is the new vice-Chairman

A new concern has been organized in Livels with English capital under the name of the Canadian Direct Meat Supply Co. It buys its supplies direct from Liverpool, and guar-antees that all meat sold is Canadian. The company is said by Mr. J. B. Jackson, Canadian trade agent, to be very popular,

The Grand Trunk has let contracts for the erection of a ten-storey office building on McGill Street, Montreal, to cost \$300,000. Offices in it will be occupied by the Canadian Express Co. and by railroad companies amiliated to the G.T.R., such as the Canada Atlantic Transit, the G.T.P. Telegraph, etc.

The Dominion Department of Public Works has awarded

The Dominion Department of Public Works has awarded the contract for a public building in Inversess, N.S., to E. F. Monroe, New Glasgow, N.S., at \$15,000; at Iberville, Que., to A. G. Marshall, Ottawa, \$8,000; at North Bay, to Mec Gillivray & Labella, Ottawa, at \$30,000; drill hall at Ham-ittor to G. F. Webb Hamilton, at \$220,000 A report to the Canadian Manufacturers' Association from New Zealand says that it looks as it Canada's repre-sentation in manufactures and natural products at the In-ternational Exhibition, which opens at Christchurch on November 1st, will be a very good one. Applications for space for exhibits from Canada and Englane, as well as from other countries, are very large. other countries, are very large,

At the end of last week the backs of Montreal sent out At the end of last week the backs of Montreal sent out notices to brokers announcing an increase sin call loans to 53% per cent. from 5 per cent. There is much speculation in financial circles as to what the money situation will be during the coming autumn, and not a slittle aporchension among holders of stocks. The bear talk is having its effect. and this is heightened by the firmness of money.

It is noticeable, however, that the local stock market is It is noticeable, however, that the local stock market is holding very firm, practically not a stock on the list showing weakness. The dullness of trading, however, is exceptional. Power has been the feature, prices being fairly firm at around 97, but no advance taking place as a result of the increase in the dividend. Richelieu and Ontario, is also holding fairly firm. Very good reports of the tourist busi-ness done this season have gone out, the optlook being now for a record year. Other stocks are almost dead.

The C.P.R. is letting contracts, for the reclaiming of several acres of Lake Huron and the conseruction of docks for a line of boats between Goderich and Fort-William also reclaiming of of a large elevator. The new dock will be the terminal point for the Gueiph-Goderich branch of the C.P.K, and uoderich is expected to become a very important point orderich is expected to become a very important point in regard to North-west freight. This branch is already in operation from Guelph west to Elmira. It will enter Goderich over a monster bridge across the Maitland River, now in course of completion.

The receipts of the port of Montreal again show an compared with previous seasons. increase as just issued shows that receipts for June amounted to \$52,750. while the total from the opening of navigation-about May while the total from the opening of navigation-about May ist-to the end of June, amounted to \$86,120, or \$11,137 more than for the corresponding period of last year. Of this amount, imports contributed \$58,500, or \$6,000 more than a year ago, while exports contributed \$14,500, or \$2,500 more than last year, local traffic contributing \$13,120 as against \$10,483 last year.

Steady progress is being made towards a settlement of insurance claims for losses by the San Francisco disaster. Three British fire insurance companies, the Norwich Union, the Commercial Union and the Alliance, are negotiating with San Francisco policyholders. The policies of all three of these companies contain an earthquake clause, which makes them non-liable. Shareholders say to the directors: "If you pay to those San Francisco people more than they are entitled to we shall hold you rersonally responsible." And aver the managers wish to avoid a guarrel and the local that are the to we shall hold you retsonally responsible." And yot the managers wish to avoid a guarrel and the loss of their future business, for the underwriting of these three companies in that city amounted to many millions.

The dividend of the Montreal Light, Heat and Power Co, has been increased to the rate of 5 per cent, per annum from the former 4 per cent. There were indications that the increase was really about to take place, and on Friday the directors declated a dividend of. 11/4 pers cent, for the first quarter of the fiscal year, payable August 15th. The com-pany was organized in May, 1001. The course of its stock on the exchanges was a disappointment to many of the officials, and everything possible was done to support it. The earnings were always fairly satisfactory, but it was rumored so frequently that the dividend would be increased that the public lost all confidence in it. The increase had been discounted on the stock exchange, so that its announce-ment made no change in prices, unless it slightly depressed them. The stock is selling around 96 to 97.

COBALT STOCKS YESTERDAY.

Cobalt stocks are quoted as follows: Nipissing, \$51/4 to \$53/8; Thethewey, \$5: Silver Queen, \$1: Foster, \$1.60; Hudson Bay, \$60: University, \$14: Silver Leaf, 14c.; Montreal, soc.: Kerr Lake, \$85: Peterson Lake, 50c.: Amalgamated, 50c.: Savage-McKinley-Darragh, \$1.25: Buffalo, \$1.

The price of cemmercial silver yesterday was 65%. ounce. Cobalt (rock) was worth 35 to 421/2c, per pound: per ounc refined, \$2.75 per pound.

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TRADE ENQUIRIES.

The following were among the enquiries relating to Canadian trade received at the Canadian Government Office, 17 Victoria Street, London, S.W., and 73 Basinghall Street, London, E.C., during the week ending July 6th, 1906:

LiverpooDfirm want to be in touch with users of borax and other chemicals, oils, etc.

Dutch firm is anxious to correspond with exporters of evaporated apples.

Yorkshire engineering firm seeks communication with likely users of stone, marble, granite and slate machinery.

London firm will purchase Canadian honey for cash. London firm wishes relations with a lumber mill able to ship planed and unplaned pine to South Africa,

French manufacturer of satin white wishes communication with firms possessing a connection among paper manufacturers.

North Country manufacturer of agricultural machinery and implements would like to introduce his manufactures.

Yorkshire company manufacturing beltings, ram and pump leathers, india rubber goods, packing, etc., is prepared to appoint Canadian resident agent

London firm wants addresses of shippers of raspberry pulp London firm seeks supplies of match splints and invites quotations c.i.f. London and Liverpool. The sticks must be round.

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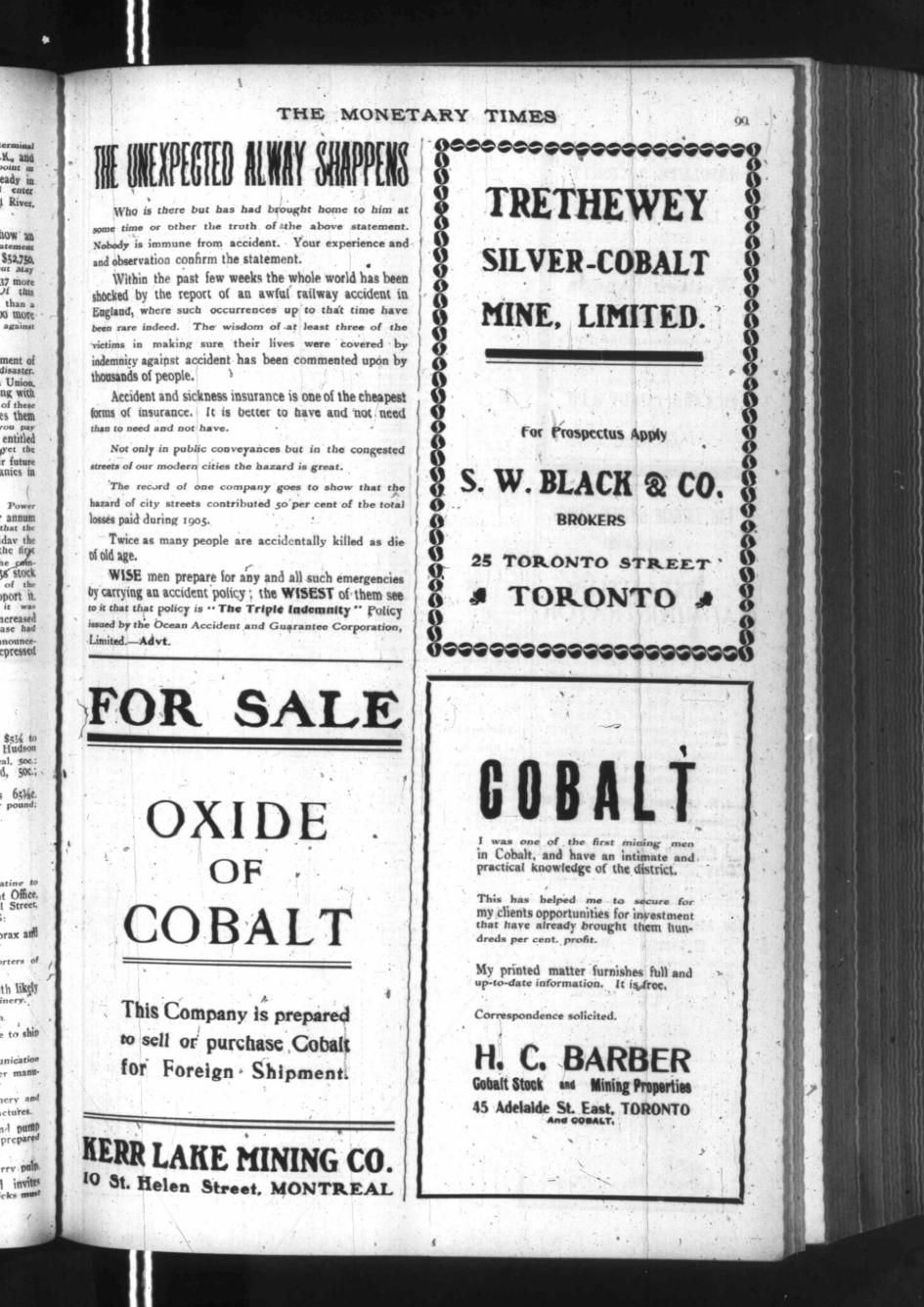


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. Lands .	Metropolitan Bank.	100	a,000,000 5,000,000	1,000,000	1,000,000	1,000,000
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	Union Ble of Can Union Bk, Halifax (u).	100	4,000,000	1,500,000	1,500,000	1,143,000
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PROSP Something

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PROSPECTS OF MORE BRITISH TRADE.

Something About Wool Consuls, a Board of Trade Mission, and Company Laws.

(From Our Own Correspondent.)

Manchester, July 10, 1906.

Toronto letters, accompanied by samples, invite various North of England wool-spinners to buy Canadian wool. At least a million pounds, it is stated, will be available for the English market consequent on the inability of Canadian producers of blankets to pay the very high prices ruling for raw material. It is not known that business has resulted and erobably it has not as buyers are working from hand nd probably it has not, as buyers are working from hand to mouth.

The English clip has not sold at the prices that farmers The English clip has not sold at the prices that farmers expected and values are lower in Bradford for wools of the coarser types. Canadian wool is not unknown to our users, Some of it is admired. Some sorts have proved deceptive, losing quality at each succeeding process, whereas Aus-tralian is consistently improved by the work put upon it. Wool prices, of course, are determined by comparative values. Less prejudice than ever is attached to the origins of woolen materials. A Trade of Commerce report from Ottawa shows that

A Trade of Commerce report from Ottawa shows that Canadians are considering ways of making British Consuls abroad useful to themselves. The report calls certain re-plies received from the corps in the United States "splendid testimony to the efficiency of the service". But that dictum testimony to the efficiency of the service." But that dictum is surely premature. By waiting a little longer Canadians are reasonably sure to find our Consuls very willing, but very helpless persons in most commercial matters. They will do whatever they feel it their duty to do, and the re-sults will, rerhaps, be satisfying. The report does not say whether an important rule of the service has been relaxed. British Consuls' replies on trade subjects have to be made through the Foreign Office. Must replica to Consul the through the Foreign Office Must replies to Canada be via London?

made via London? It surprises us to learn that Canada has no commercial agent, in the great adjacent country, and the more so when we remember that America has some two hundred odd in Canada. Now we only neglect our own relations; in strange lands we have between six and seven hundred Con-sular agents. On occasion they are of considerable service to perplexed traders, but their chief commercial functions relate to shipping. They have a diplomatic standing which tends to put them out of touch with sordid commerce. The more they are asked the more will H. M. Consuls get to know, and the better it will be for all who rely on their assistance. assistance.

Looking for Correspondents,

Looking for Correspondents. Manchester provision merchants have been impressing on Mr. Grigg, the Trade Commissioner to Canada, their opinion that Canada should have a regular service of steam-er communications up the Ship Canal. Mr. Grigg replied that the matter was more for ship-owners on this side than for the Canadian Government. Although that be so, it may be as well to put on record the demand for regular salings of vessels fitted with refrigerators. The Commis-sioner has gleaned little-that is definite showing the Eng-ush view of terms of credit in Canada. He anticipates that Canadians will tell him that Germans give more credit than English firms. The opinion is a safe one to hazard for. may here you will in papers dealing with foreign com-merce, that saying confronts one. Not the least important of the Commissioner's duty is the appointment of corre-spondents in the chief trade centres of the Dominion, who are to be the permanent referees on Canadian trade subare to be the permanent referees on Canadian trade sub-

Possibly some one can assist Mr. Grigg in finding jects.

jects. Possibly some one can assist Mr. Grigg in finding good men for this responsible duty. A committee of the House of Commons has recom-mended the amendment of our company laws. One ques-tion, considered was whether companies registered abroad and carrying on business here should be required to comply with certain requirements as to prospectuses or to make de-posits for the security of British creditors. The committee avoids extremes, by calling tor a copy of the annual bal-ance-sheet to be filed with the registrar, as well as a copy of charters, statutes and articles of association, and the name of a person authorized to sue or be sued on behalf of the strange company. "limited" and inviting compelled to state the company's place or origin, and on its English premises would have to put up its full name and compelled to state the company's place or origin, and on its English premises would have to put up its full name and its home address. These proposed amendments will alarm nobody. Nor will it greatly trouble those devious persons who avoid legal restrictions by issuing companies without formal prospectuses, if they are obliged to file particulars with a registrar of the sort necessary in a proper prospectus.

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TOWARDS HUDSON BAY.

Minerals, Timber, and Farm Lands North of Existing Settlement

The Government railroad, on which is Cobalt, will intersect the Grand Trunk Pacific, which will be built east and west, somewhere about the region of Lake Abitibi. Already the rails are beyond the "height of land" which divides the St. Lawrence basin from the country tributary to the great Canadian sea. The T. and N.O. road may be extended to Hudson Bay so as to bring the unsurpassed supplies of fish in northern waters to the populations of middle Ganada and the central States. middle Canada and the central States

Boston Township Iron Range.

The iron range, discovered there a few years ago in the township of Boston, fifty miles north-west of New Lis-keard, consists of magnetite, interbanded with jasper and other silicious material. It is similar to formations in the Temagami and other parts of Ontario, though its width is generally not more than go or 100 feet. The Abitibi Region

The Abitibi Region.

The Abitibi Region. The Abitibi Region. The apploratory survey of the northern clay belt west of Lake Abitibi, ordered by Mr. T. W. Gibson, Director of the Bureau of Mines, in 1904 resulted in a practical plotting out of that region from a geological (and mineralogical) and from an agricultural standpoint. In an area of suck extent the conditions naturally vary very widely, but there are parts where the prospects for settlement appear to be very good. In the basin of the Abitibi, for instance, there is much mixed timber, the poplar and balsam particularly being-fine timber, reaching 60 to 80 feet in height and some-times a diameter of three feet, though the average would be 15 to 20 inches. Spruce grows high; but rarely reaches a diameter exceeding two feet. The soil is a good quality of clay, well drained by many creeks. Some of the clay hand is wet, however, owing, not to lower elevation, but to it flatness. What summer frosts occur are likely to be dissipated as a future result of the clearing up of the moss-covered land. The best areas for settlement are the Abitibi basin, for an average of three miles on either side the river, the basin of the Frederick House River for a rather less width, and the parts adjoining the main tributaries of these rivers.

This bridge over the White River is a sample of Government railroad engineering. It is nearer to Hudson Bay than any similar structure. It is in the fertile clay belt, north of Cobalt, where construction is especially difficult,



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ONTARIO. IN MINING KINDS ' OF OTHER

Some Facts about Mineral Development in the Province outside the Temiskaming District.

The wide range covered by Optario's mineral produc tion is manifested by the inclusion of ten metallic and eight non-metallic substances in the recorded output of 1904. . which were lacking in 1895:---

Metals.	Non-Metals.	
1805. 1904.	1895. 1904 -	
\$ \$	\$. \$	
Silver , nil 111,887	Actinolite	
Platinum nil 10,452	Arsenic gil 903	
Palladium , nil 18,564 Cobalt , nil 130,620	Carbide of	
Cobalt	Calcium ail 152.295	
Pig Iron nil 1.811.664	Corundum , nil 159,645 Feldspar , nil 21,966	
Steel	Graphic , hil 21,900	
Lead Ore nil 11,000 Pig Lead nil 2,500	Iron Byrites & nil 43.716	
Pig Lead nil 2,500 Zine Ore nil 3,700	Talc	
Zinc Ore	All All a be strong of	

Before the Cobalt discoveries almost all the silver of Ontario came from the Lake Superior region. The "Silver Islet" mine found on a rock in the lake only eighty feet across, by Thos. Macfarlane in 1868 yielded about \$3,500-000 worth of silver. The assemblage of minerals in that, and other mines west of Port Arthur seems to be very similar to that in the Temiskaming district, though to a less rich extent.

In association with the nickel-copper ores of the Sud-bury region occurs that highly valuable metal, platinum, Al-together in the years 1002, 1003 and 1004, the quantity of platinum produced in that district was 4.621 ounces valued

at \$90,109. Palladium, another metal similar in Size respects to platinum; and even more rare, also occurs of Sudbury. The Oxford Copper Company produced in 1002-04 8,540 ounces, valued at \$106,530.

Before Temiskaming Discovery.

102

Previous to 1904 the last reported production of Cobalt in Ontario was in 1804, when the return was 31/4 tons, valued at \$1,500. Up to and including 1804 the production had been 303/4 tons, valued at \$14,613. A yield of 20 tons in 1904, worth \$30,620 came from the nickel-bearing ores of Sudbury and the silver-cobalt-nickel-arsenides of Coleman township. Through recent changes in treating processes at Sudbury no cobalt has been produced there during the last year or two. A feature of the nickel production of the Canadian Copper Company's Creighton mine, which is the most im-portant in that line in the Sudbury district, is the fact that the average value of the ore has steadily risen. In 1901 for instance, the average nickel contents of the ore averaged 1.64 per cent. in 1902 it was 2.54 per cent. and in 1904, it was 4.58 per cent. Previous to 1904 the last reported production of Cobalt

was 4.58 per cent. The production of iron in Ontario is probably of greater The production of iron in Ontario is probably of greater volume than popularly supposed. In 1904, shipments were 128,253 rons, while the output in 1903 was 208,154 tons. The chief mine is the "Helen" in Michipicoten. But the proba-bilities are that deposits are scattered way through a large area east of that district, perhaps all the way to Temagami, as referred to further on. Among the minor mineral resources of Ontario, corun-dum should not be forgotten. The production of the mines at Raglan (Renfrew County) and Carlow township (Hast-ings County) in 1904 was 1.005 tons, worth \$150.045, com-pared with 1.10 tons; and \$87.600 in 1903. The following particularizes some of the chief mineral-ized districts.

ized districts

Gold is Not Plentiful.

Mining in Western Ontario for gold has been disap-pointing, perhaps because capital has been dispersed among a great many small companies working on thore or less un-likely veins, instead of being concentrated in strong hands on a few good prosperts. There are exceptions of course. One is the "Sultana" mine, where the main shaft at last re-port was down 560 feet. The perseverance of the manage-ment has been rewarded by the discovery of more pay ore. The forthcoming erection of a blast furnace at Port Arthur to reduce the ones from Loon Lake is an indication that the importance of these deposits is becoming recogn-ized. ized.

Ized. In this region too is situated the Williams mine where stripes of high-grade Bessemer hematic have been made, which are smelled at the Lake Superior Corporation's furnaces at the Soo. The "Helen" mine, also, resumed opererations, when the position of the Lake Superior Cor-poration became more settled. It has been shipping at the rate of 1,000 tons a day.

Considerable attention has been given during the last year or two to copper. The results of concentration by the oil process are being watched with interest, as should it prove successful, it will bring several low-grade prospects into the market.

Since the Canadian Copper Company's smelter plant was started and the re-opening of the Mond Nickel Com-pany's mines and smelter at Victoria mines, the Sudbury nickel mines have shown a busy scene. The Canadian Copper Company has been active in adopting the most economical modern ideas in all parts of their works, and many improvements are visible,

Loon Lake East of Port Arthur.

A good deal of exploratory work has been done in Animikie iron-bearing areas near Loon Lake, east of Port Arthur, There was considerable production of silver also Arthur. There was considerable production of silver also forty years ago, but the interest chiefly centres on iron. Geologists say there has been a continuous period of depo-sition, and it is believed that the general processes and agencies which produced the iron-bearing formations here are analogous to those which produced those of the ranges on the south shore of Lake Superior. The localities in which the greatest concentration of iron has so far been proven are in the area four miles west, two south and one mile east of Loon Lake Station. Two main types of structural conditions are visible. In one case,

main types of structural conditions are visible. In one case, the lower iron-bearing horizon is found lying on the south slopes of the hills, with a flat dip to the south. In such.



Auction Sale of Town Lots at White River, North of Cobalt, in a Rich Farming and Timber Country, Opened up this Summer.

exploratory work has been done by test-pitting and diamond drilling, and results show that often the lower iron horizon has been extensively altered to iron oxide, while there is present considerable lean silicious material.

The average sample is low-grade. The other type of structural condition is where there has been severe local deformation. In these areas the diamond drill has been put down, but the main work has been by test-pitting and driving short drifts into the iron formation on the hill sides. The important question, as in the other type of formation, is the economic separation of the lean from the commercial grade mataginal material.

Iron Ranges of Michipicoten West.

This area lies on the north shore of Lake Superior. encircling Michipicoten Bay. Its eastern part is comparatively well known, as it contains the working mine, "Helen," the well known, as it contains the working mine, "Helen," the Josephine prospect and the old mine on Gros Cap, worked nearly thirty-five years ago. The whole area is a region of hills and valleys, rivers and lakes. The timber is usually evergreen, but, growing on rocky or light, sandy soil, is not particularly healthy or luxuriant. Little of the land is adapted to cultivation. Most of the rocks in the formation similar to that in which the Helen mine is located are of a hand assisted and other the set of a hard, resistant nature, and are fractured and jointed rather than cleaved.

A striking feature in all large ore bodies in regions like the Michipicoten is the usual presence of an impervious basin beneath the ore, formed either of igneous schist, sedimentary slate or eruptive rock. At Iron Lake the conditions are ideal for the development of ore bodies, in conformity with the most recent geological theories.



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THE GROWTH OF MONTREAL.

Striking Real Estate Figures from Ganada's Greatest Port

(From Our Own Correspondence)

Montreal, July 17th, 1906. -The last day of June closed the biggest month and the biggest half year in the issuing of building permits, in the history of the city of Montreal.

During that month the total value of the permits issued at the City Hall, for new buildings, reached \$2,343,591. Running back over the past four years it is found that the next largest month has showed a total of \$963,662, this be-ing in May of last year. The two next largest months are April and May, this year.

Some of the permits which contribute to the immense total value last month, were: The Windsor Hotel, \$500,000; Linton Apartments, \$400,000; Royal Bank, \$300,000; Mont-reat Light, fleat & Power office building, \$200,000; American Tobacco building, \$60,000; and Dominion Textile Company's building \$50,000; building, \$50,000.

It must be admitted that it was purely accidental that so many large permits were issued last month, and that consequently the next few months may show a slight falling off. In any case there is no likelihood of the record being sustained

At the same time, an enormous growth in building operations, in Montreal, is indicated in the tables which appear below. For, even though the permits mentioned had not been taken out at all last month would have been a record June, going back as far as, and including, 1002. It would not only have been a record June; but it would have

come next to the record months mentioned above. Although the total of \$4,558,388 for building permits issued in the first half of this year, was also reached by virtue of the permits mentioned, had they not been issued the record would still have belonged to 1906 by over a million and a stalf dollars.

Five Years in Tables.

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The tables which appear below show a gradual growth in Inc tables which appear below show a gradual growth in building operations. Each succeeding half year is better than the corresponding period of the previous year, save in the case of 1903, when the value of the permits exceeded those of 1904. This was occasioned by the permits for the building of the Angus shops for the C. P. R., in January. That month was a record January, the C. P. R. shop accounting for \$490,000 of the total. . What the coming half year will bring to Montreal in the way of new buildings planned and contracted for re-mains to be seen. There is no question that a large ue-

There be seen. is no question mains to crease will be shown, when compared with the half year just closed, but at the worst the sums of money which the work now arranged for will put in circulation among the artisans will go a long way towards assuring their comfort

for some time to come. The total values of the permits for-new buildings issued in Montreal were as follows in the first six months of the years mentioned.—

		1. 1. 1. 1.	Maria .	
1906. 1905.	1904	19031	1902.	
Jan \$ 65.075 \$ 27.490	\$ 6,700	\$491,900	\$ 21,800	
Feb 158,481 100,215	17.880	111.930	29,000	
March. 262,215 305,450	87.770	180,800	423,022	
April . 873.440 658.001	438,243	243.400	500,370	
May 855,580 '963,662	-664.395	\$72,530	221,800	
June 2.343.597 396,943	373.827	318.314	356,725	
m is all a palations	t total	11		
Total \$4:558,388 \$2,451,761	\$1.588,813	1.924.934	\$1,553.377	
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The total values of permi	ts for repa	irs during	the same	
period was	11 11 11 11	1 12 第二、二十		

1906. Jan\$ 12,060 Feb \$ 12,060 March 56,100 April 71,784 May 114,683	\$ 10,380 21,235 119,230 98,347 98,686	1904: \$ 0.050 34.920 40.424 07.595 02.685	1903. 17,350 41,375 45,292 123,020 157,352	1962. \$ 10,815 3,900 76.378 30,174 40,440
June	74,200	45.458	49,830	45,600
Total \$371.987	\$422.078	\$204,332	\$334,219	\$213,307

The month of May, this year, was the largest month in real estate in Montreal, so far as cen be seen from the records, and the half-year ending June easily holds the record among the corresponding periods of other years.

The value of the sales of real estate registered in May amounted to \$3.122.073, and the value for the six months reached the enormous sum of \$12,432,586. The nearest

reached the enormous sum of strate, 500. Inc. nearest approach to this record was last year, when the sales for the corresponding period reached \$8,254,000. In fact, the half-year just closed contained more than one record-breaking month. First, January held the record, and then each succeeding month until May was reached, June falling behind.

From the tables which appear below may be seen the gradual increase in the value of the real estate transfers since 1902. A steady growth is indicated, 1903 being, however, ahead of 1904, as in the case of the building permits.

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Property Changed Hands.

The total registered values of the sales of real estate in Montreal and its environs were as follows during the first half of the years mentioned:

	1906.	1905.	1904.	1903.	1902.	
Jan.	\$1,036,082	\$1,130,472	\$ 492,210	\$1,101,191	\$ 645,648	
Feb	2,129,358	1,382,696	910,276	1,124,290	961.625	
March	2,307,316		1,009,348	1,529,202	1,073.783	
April	2,430,953	1,758,429	851,284	1,055,030	1,026,130	
May	3,122,073				592,404	
June	1,416,804	1,427,143	1,271,893	1,298,440	861 446	

Total \$13,432,580 \$8,254,010 \$5,838,245 \$7 723,932 \$5,164,010

Some very interesting and instructive information may be gleaned by an analysis of the tables respecting the m gage loans for the complete years, 1902-1905, inclusive, which appear below.

Probably the most marked feature is the increase in the loans made from estate and trust funds, and, as these are

From \$202,750, in 1902, these loans increased to \$1,778,000 in 1905, while in the month of May alone, this vear, they reached the sum of \$1,254,700. Loans by insurance com-panies increased from \$272,575 in 1902 to \$1,040,823 in 1905, and this increase was well sustained in May, when the loans were \$125,000. were \$125,000.

During the same period the total mortgage loans in-creased from \$3,922,584 to \$12,547.66. Roughly speaking, therefore, while the mortgage loans more than trebled in 1905: as compared with 1902, the sums contributed by insur-ance comparies almost quadrupled, while those contributed by estate and trust funds, presumably mainly through trust companies, increased eight times,

In the tables showing the rates at which the loans were placed, 51/4 per cent, is shown to be a very unpopular rate, per cent., and even 434 per cent. Otherwise no very striking trend is shown, although one well-informed real estate agent claims that money is available on real estate security at lower rates than formerly. This he ex-plained by the large amount of English money which has been placed in this country during recent years at what high rates in the opinion of the lenders, but moderate rates in the minds of the borrowers. The loans in May she largely in favor of the 4 per cent. rate, but this can hardly be regarded as of importance, as it is but one month, and the sum was placed in a single amount.

NEW GENERAL ACCIDENT COMPANY.

The accident held has another occupant in the General Accident Assurance Company of Canada, operating under a Dominion charter. Its authorized capital is \$1,000,000, of which \$150,000 is subscribed. It is associated with the General Accident, Fire and Life Assurance Corporation, Limited, of Perth, Scotland, whose assets exceed \$5,000,000.

'General Accident" will write personal accident and health policies of every description, the specialties being the industrial accident and sickness and family accident contracts; also liability policies of all kinds, including employers', general and public and contingent, vessels, teams, elevator, theatre, automobile and motor launch. Special attention will be given to workmen's collective business, and coverings will be issued to suit the employer will be issued to suit the employer.

Mr. F. Norie-Miller, general manager of the home com pany, and Mr. Franklin J. Moore, manager of the "General Accident," of Philadelphia, will be members of the board. The managers are Mr. W. G. Falconer and Mr. Claud Norie-Miller, Mr. Falconer is a solicitor who practised in Edinburgh. He subsequently undertook the legal work of the Scotch corporation in the Claims Department, and later went to Toronto, where he joined a well-known legal firm.

Mr. C. Norie-Miller brings to the position a thorough knowledge of business obtained in the Scotch office and a wide experience of the conditions of insurance in other countries. He spent some time in a Paris office, and also visited the branch offices in Antwerp and Atnsterdam, as well as spending over a year in the United States, where his time was divided between Philadelphia, Boston and Buffalo offices, and where he gained a thorough edge of all departments of the business in America and the methods of working adopted there. Mr. W. H. Hodges, the assistante manager for Canada, was for several years the inspector of the Ontario Accident Insurance Company, and greatly assisted in the building up of that splendid company

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THE MONETARY	103
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Members Standard Stock and Mining Exchange, 24 King Street West,	Estimates promptly furnished for Flat Opening Blank, Books,
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MONETARY TIMES THE

TORONTO MARKETS

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Toronto, July 19, 1906.

Drugs, Chemicals, etc .- Opium is a little firmer, in sympathy with conditions reported in primary markets. The actual movement in that line is small, however. Quinine continues in the position it has occupied for some weeks past. Carbolic acid, menthol and cod liver oil are all fairly firm, without special feature this week. Generally speaking. the drug trade is in a satisfactory state throughout the country and payments are good.

Dry Goods-Nothing new has developed in the trade the last few days. A good trade is going on in all the seasonable lines. A good number of sorting orders are coming forward, perhans more than usual at this late period of the season. Dress goods are still moving out in large quantities. The prices of woolen staple goods seem still to have the advancing tendency which has distinguished them so long, and, in a less degree, this is the case with cottons. Linens have made no further advance, but their position is very strong indeed. Travellers in the country districts speak favorably of the prospects for fall.

Flour and Grain.—Manitoba wheat is a little higher, but business is very dull. In fact, there is hardly any move-ment, either in Ontario or Manitoba grain. For Ontario ninety per cents the price is \$3.10, in Buyers' bags, but the dentand at this price is not strong. Bran and shorts have made no change. They are fairly firm and in normal demand for this period of the "ear. Oatmeal is a little on the easy side side

Fruits.—Strawberries are now out of the markets being succeeded among domestic fruits by raspherries and cur-rants. These bid fair to be fairly plentiful this season. Not rants. These bid fair to be fairly plentiful this season. Not many oranges nor pineapples are now to be seen, but they sell at good prices. Lemons are high. We quote: Rasp-berries, to to t2c.; cherries, basket, 85c. to \$1; gooseberries, basket, 75c. to \$1; red currants, 6 to 7c.; oranges, extra fancy California, \$4.50 to \$5; Sorentos, \$1.25 to \$4.50; Valencia oranges, \$8; California blood oranges, \$3.50; Ilemons, Mes-sinas, \$4; bananas, \$1.85 to \$2.35; do. green, loose, \$1.25 to \$2.35; watermelons, 35 to 40c.; canteloupes, crate, \$2.25 to \$4; Southern plums, \$2 to \$2.50. Vegetables—Tomatoes, four-basket crates, \$1.25 to \$1.50; Bermuda new potatoes,r per barrel, \$3.25 to \$3.50; do. Canadian, basket, 30 to 40c.; cab-bage, Carolina, new, per crate, \$1.50 to \$2; lettuce, per dozen bunches, 20c.; pineapples, \$2 to \$3.50; cueumbers, basket bunches, 20c.; pineapples, \$2 to \$3.50; cueumbers, basket, \$1.15 to \$1.25; white beans, \$1.50 to \$2; Egoptian onions, sack, 100 pounds, \$2 to \$2.25; onions. Texas, Bermuda. 50-pound case, \$1.50.

So-pound case, \$1.50. Groceries.—A deding of to cents per civit, is reported from New York for all grades of refined sugars, but so far the markets here, though a little easier, has not followed suit, the demands for preserving purposes being brisk. Canned fruits and vegetables are very firm. Teas and coffees present no feature, sales being in moderate compass. Cur-rants and Valencias are rather firmer under a demand which is larger than usual for this season. The wholesale houses report a good demand for all general lines of groceries.

report a good demand for all general lines of groceries. Hardware.—No price changes have occurred since last report a good demand for all general lines of groceries. perhaps, has never been excelled, and which no doubt reflects the prosperity of the country along every line. From the cities and towns comes word of a vigorous building cam-paign, and from, the country a heavy demand for the usual farm tools, though this has dropped off a trifle owing to the growing lateness of the season. For metals there is a good demand, though this is hardly so at the moment in that for pig iron. A Glasgow advice just to hand states that the market for Cleveland warrants, although remaining quiet, has slightly improved, and the loss of the previous week has been recovered. Last week values were inclined to sag, but later, with a slightly better demand, and sellers reserved, the price advanced to 50/3, cash, an which sellers reserved, the price advanced to 50/2 cash at which sellers remained. The demand on foreign account continues heavy, and with good shipments stocks show a further decrease.

Provisions An easier tone is manifest in the butter market, on account of heavy receipts in many cases of inferior quality. Cheese is as firm as ever at 121/2c or a fraction over. Eggs retain their strong position. Pork products are high and tending upwards, with light receipts and diminishing stocks

Wool.—The position of wool kneps much as reported last week, with a little better movement owing to the recog-nition on the part of country dealers that it will be dan-serous to hold it too high.

6. 1

MONTREAL MARKETS.

Montreal, July 18, 1906.

Ashes .- The market shows no recent variations. Business is light at \$5.25 to \$5.50 for No. 1 pots; No. 2 ditto. about \$5; pearls, \$6.75 to \$7 for No. 1.

Cements and Firebricks.-The demand for cements is good, for firebricks moderate. Prices are unchanged at \$1.70 to \$1.90 for Belgian cement; English, \$1.90 to \$2.05; German, none here: Canadian \$1.90. Firebricks sell at \$17 to \$21, as to quality and lot.

Dairy Products .- In both butter and cheese some stiffening of prices has occurred, local dealers now quoting 12 to 121/4c, for fine Ontario makes, and 117% to 12c. for fine Easterns. Generally higher prices are being paid for butter in the country, and local quotations for finest makes of creamery run from 221/4 to 23c. Exports of cheese last week were exceptionally large, aggregating 128,677 boxes; shipments of butter were 19,640 packages.

Groceries .- Both refiners and jobbers report an excellent demand for sugars, the preserving season being now on, but the anticipations of an advance, referred to last week, have not materialized. Local factory quotations are \$4.00 for standard granulated in barrels, and \$4.15 in bags; yellows. range from \$3.80 to \$4.05. Barbadoes molasses is firm at 30° for single puncheons, with stocks in smaller compass than is usual at the season. Tea importers and brokers report a quiet business, but the market for new Japans is strong, with values from 1 to 1/2c, higher than a year ago. Fair receipts of new medium grade Japans are reported, with sales to jobbers at i7 to 18c. There may be some scarcity of lower grades. The markets for Cevlons and Indians present no new features. Reports concerning the new crop of dried fruits are beginning to attract attention. The vield of Valencia raisins will likely be considerably below last year. Out no quotations have been made yet. Malagas will be a good crop. Indications point to a somewhat short yield of Sultanas, and stocks of old are held at much firmer prices. Offers of fine Filiatra currants, by first direct steamer, have been cabled at 17s. 6d. All sorts of, nuts will be a light crop, and prices will be higher.

Hides.—The market is without change. Hide dealers are buying No. 1, beef hides at 12/2c., and quote the usual ad-vance to tanners. Calfskins are steady at 15c. for No. 1, and 13c. for No. 2. Lambskins fetch 35c. each.

Leather .- The market continues to show very strong. but the volume of business locally is not large. Boot and shoe manufacturers have good fall orders in hand, but seem loath to accept the high prices ruling, and are buying for pressing wants only. The excellent British demand helps to stiffen the ideas of tanners and dealers, and there is a marked scarcity of splits. We quote B. A. sole on the bases of 26 to 26½c. for manufacturers' No. 2; slaughter sole, 29 to 30c.; Western splits. 28 to 30c.: Quebec ditto. 25 to 26c.; harness, 32 to 34c.; pebble, 15 to 15½c.; buff, 16½c.; glove grain, 14 to 14½c. grain, 14 to 141/2c

Metals and Hardware.—The heated term has had appar-ently no effect upon the demand for heavy metals of all kinds, some houses reporting business almost as good as in the spring, and in general hardware lines there is also a very fair movement. Values as a rule hold steady to firm. Ingot tin is again a little easier at 41½ to 42c.; lead, \$4.35; copper, 21 to 21½; spelter, 7 to 7¼c.; antimony, 28 to 29c. Pig-iron quotations have undergone no recent change, and bars are steady at \$2.05 in an ordinary way. Wire nails are suppled at \$2 and cut at \$2.05 in an ordinary way. quoted at \$2, and cut at \$2.05. Canada plates, \$2.50 to \$2.60 for fifty-twos; black sheets, \$2.30 to \$2.40; galvanized sheets, \$4.20 to \$4.45; boiler plate. \$2.30 for 1/2-inch; tin-plate. \$4 for cokes, and \$4.25 for charcoals; Ternes, \$6.75 to \$6.85.

Oils, Paints and Glass,-Trade in these lines is now of a very guiet order, and totass, -- I rade in these lines is now of a very guiet order, and no very marked changes are to be noted except that shellacs are stiffening, and an advance of from 1 to 2c per pound has been established. Turpentine is steady at 85 to 86c, per gallon; linseed oil is barely steady at 54 to 55c, for boiled; castor oil, 8 to 9c, per pound, as to quality and quantity. Fish, oils neglected. White leads remain very steady on the bases of \$6 to \$6.10 for chemic ally pure; putty \$1 to in bulk clear \$5.50 for the first ally pure; putty, \$1.40 in bulk; glass, \$3.50 per 100 feet, first break.

-Mr. Charles B. Frost, president and general manager of the Frost & Wood Company, Limited, manufacturers of agricultural implements, has resigned his position as gen-eral manager, and Mr. R. J. Whyte, his assistant, succeeds him. Mr. Whyte has been with the Frost & Wood Company for sixteen years, and has risen from post to post.

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MONETARY TIMES THE

Some of the Strong Features Brought Out at the Recent Investigation of

Mutual Life of Canada he

The Company has been Examined by the Royal Commission

and the investigation proved thoroughly honest management. The company is sound to the core and its affairs are conducted along scientific and popular lines, solely and economically in the best interests of its policyholders.

Gilt-edged Assets, Dec. 31st, 1905 \$9,296,092

Not a dollar of stocks.

Not a dollar of unauthorized securities.

Not a dollar of speculative investments.

Not a dollar with subsidiary Companies.

Not a dollar " written up " in its list of securities.

Not a dollar for stockholders; every dollar for policyholders.

The Company is in the enviable position that it can convert on demand its entire assets into gold and at the same time largely increase its surplus.

The Real Estate

108

held by the Company (outside of Head Office Building) IS LESS THAN \$1000.

Expense Rate Unusually Low

Being the LOWEST OF ALL Canadian Companies for the year 1905, notwith standing that the LARGEST VOLUME OF NEW BUSINESS in the history of the Company was written in that year.

Remarkably Favorable Mortality Experience

The losses by death in 1905 were only 49% of the losses that were normally expected to occur. The fine quality of this Company's business is shown by the notable fact that during the past 15 years the death losses AVERAGED ONLY 53% OF THE EXPECTED.

The Rapid Growth of the Company's Income

The income for 1895 was \$735,079, while in 1903-ten years after-it reached the large sum of \$1,956,519. The interest income exceeded the death losses during the same period by \$568,945."

he Mutual Life of Canada (Head Office, Waterloo, Ont.,) is an Ideal Company, Furnishing Absolutely

cricci Protection to its Policyholders at the Lowest Rossible Cost. ø

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Morden, June 26t







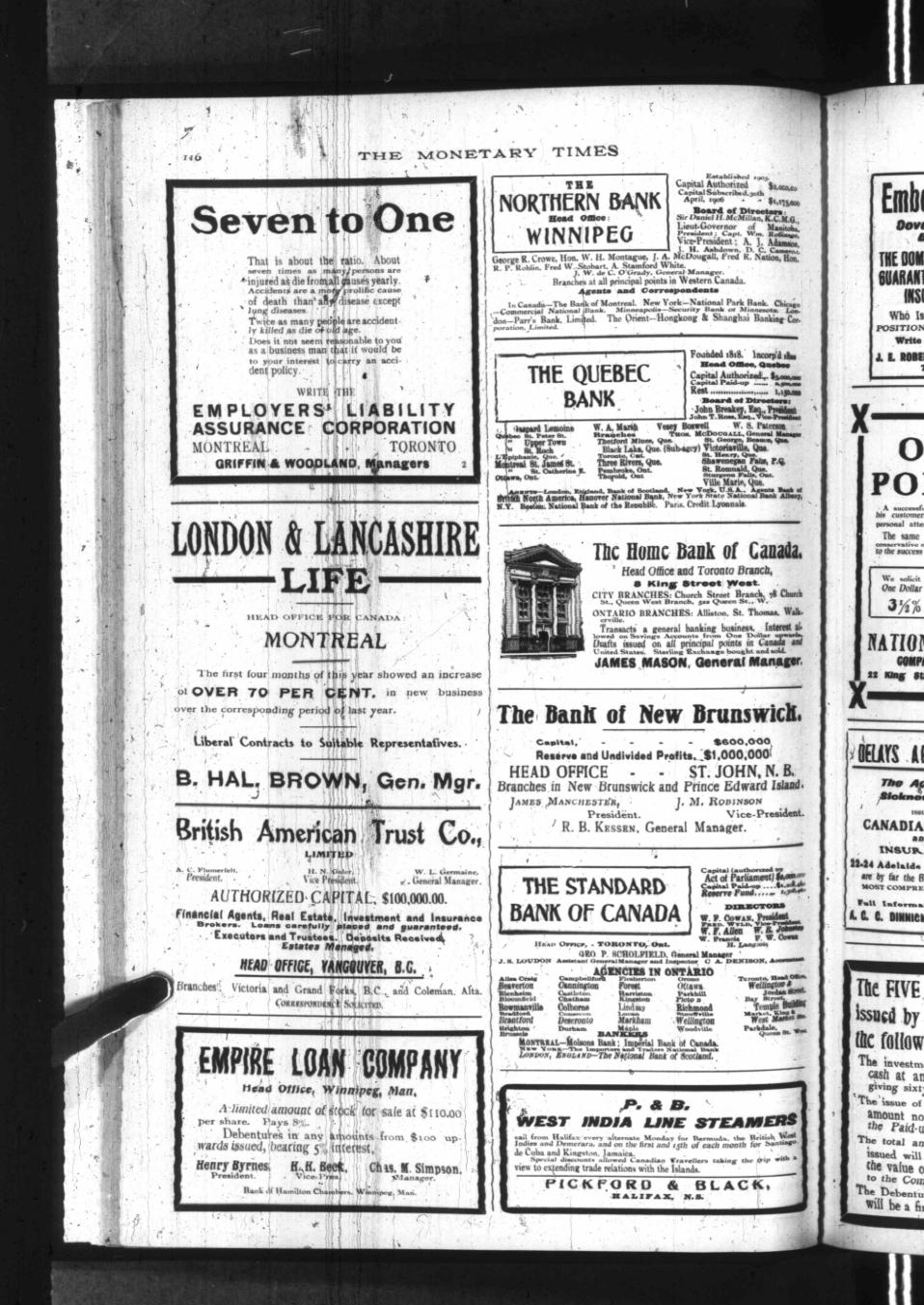


The Mer	chants Bank of	Canada B	ank of H	amilton.	
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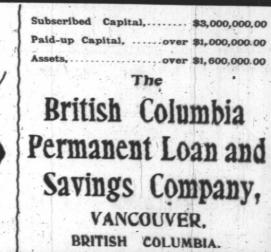
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amount not exceeding 75 per cent. of the Paid up Capital of the Company. The total amount of Debentures to be issued will not exceed 20 per cent. of the value of properties under Mortgage to the Company.

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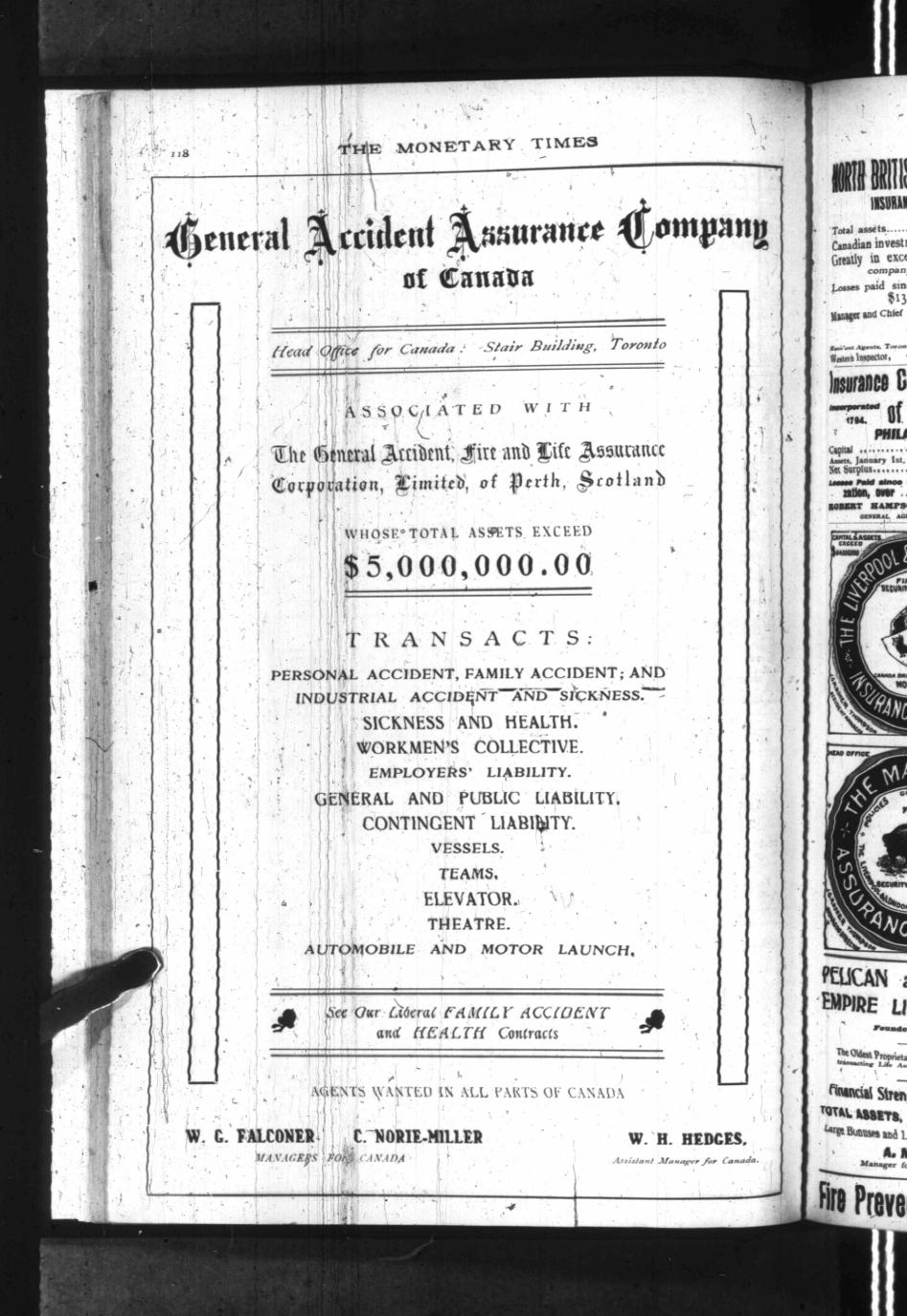
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B	Berlin Slair	Cookstown Copper Cliff	Gravenhurst Grimsby Guelph	Maple Valley Markdale Markham	Osgoode Station Osbawa Ottawa	Sault Ste. Marie Schomberg Seaforth	Waterloo Watford Waubaushene	Editorial Notes . The Late Mr. T.
i B B	Rind River	Cottam Crediton	Haliburton Haleybury Hamilton	Marksville Marmora Martintown	Otterville Owen Sound Paisley	Seeley's Bay Shedden Shelburne	Welland Wellandport Wellington	Life Insurance
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1. 7/ 17	Annapolis	Bridgetown Bridgewater Broad Cove	Glace Bay Granville Ferry Grindstone, M.I.	Liverpool Lockport Londonderry	New Glasgow North Sydney Oxford	River John St. Peters Shelburne	Truro Westville Weymouth	Last week's voted mainly to
1	Barrington Barrington Passage	Ganning Ganso Central Argyle	Guysboro Halifax Hantsport	Louisburg Lunenburg Mabou	Parrsboro Pictou Port Hawkesbury	Sherbrooke Shubenacadie Springhill	Whycomagh Wilmott Windsor	56 pages. Ad guaranteed a cir
	Bear River	Clark's Harbour Dartmouth	Inverness Kentville	Mahone Bay Maitland	Port Hood Pugwash	Stellarton Sydney	Wolfville Yarmouth	was so great the a record number
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-)	Binscarth	Cypress River Dauphin Deloraine	Gretna Hamiota Hartney	Minnedosa Moosomin	Oak River Pierson Portage la Prairie	Selden, P.O. Selkirk Shoal Lake	Wapella Wawanesa Wellwood	Among the the Hon. G. W
1	Bradwapdine Brandon	Elgin Elkhorn Emerson	High River Folland Killarney	Morden Morris Napinka	Rapid City Reston Rolland	Somerset Souris Stonewall	West Selkirk Whitemouth Winkler	Government op railway which le
	ALBERTA AND	Gladstone SASKATCHE Carlyle	Macgregor WAN Estevan	Neepawa Humboldt Indianbead	Russell Macleod Manor	Swan River Pincher Creek Ponoka	Winnipeg	at Cobalt:
and the seal	Alameda Alix	Carnduff Carstairs Claresholm	Filmore	Innisfail Kinistino & Lacombe	Maple Creek Medicine Hat Melfort	Prince Albert Radisson	Swift Current Vegreville	My dear Sir: It is a splen
1	Battleford Balgonie	Coleman Crossfield	Francis Frank Gilbert Plains	Langham Leavings Lemberg	Milestone Moose Jaw Moosemin	Red Deer Regina Rosthern	Vermilion Vonda Wapella	culation. I cord gratulate you of
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