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HILLTOP FINDS PROMISING VEIN IN HINCKS TOWNSHIP
Assessment work on the six mining claims in the Township of Hincks under option to the Hilltop Gold Mines, Limited, is under way and a report from the man in charge of the work states that they have found what seems to be a very promising vein in place on mining claim 9619. It has been traced about 175 feet is 3 feet wide, is fairly well mineralized, with chalcopryrite and galena; the walls are free, has a slight dip to the east and it looks good. Samples are being sent to the head office for assay.

The Hilltop claims lie northwest of the Ashley property in Argyle and Bannockburn, now being opened up by the Mining Corporation of Canada, Limited.

Our Want Ad. Column Brings Results

Recent Discovery in Matachewan Area

Syndicate Reported as Having Found Vein Assaying \$18.00 Across 5 Feet, 6 Inches. Active Work Proving Profitable.

A gold discovery made in the Matachewan area during recent weeks is reported by George Tough and J. W. McNeely, managers of the McNeely-Matachewan Syndicate which has been active in Tyrrell township.

The syndicate has a block of seven claims and Mr. McNeely, who has been in charge of the surface work, recently uncovered a vein which gives an assay of \$18 across a width of 5 ft. 7 in. While the vein has not been opened up for any length, it is regarded as one of the best looking in character of ore and surrounding structure that has been found. Visible gold found in the same vein was eliminated from the assays samples.

Mr. McNeely is a prospector who has made a number of important finds in various parts of Northern Ontario. It was his discovery in the Red Lake area which was optioned by Jack Munro some months ago. He also made a promising lead-copper find in Turner township in the Sudbury area.

Mr. Tough has the Matachewan and the Iona Matachewan Syndicate as well as the McNeely Syndicate, which are adjacent to the McNeely and on these other two properties gold also has been found. Some of the richest samples of the camp have come from the Matachewan and Iona Matachewan properties. One sample is covered in spots with finely disseminated free gold.

GET THE CHRISTMAS SPIRIT EARLY! ALSO SHOP EARLY!

The Toronto Globe last week says: "The late shopper has one great disadvantage. She has to take what is left, and time is spent in hunting for the desired article with many disappointments when the right thing cannot be found. As the early shopper is delighted to discover, the gifts fairly spread themselves before one these days in the shops. There is everything to choose from and more suggestions than can be taken. The truly practical person is after all the one who gets the greatest joy out of Christmas. Such a one has given himself or herself time to enjoy the festive season. Choose your gifts early. Get the Christmas spirit early, and, if you have never planned for a few hours of leisure just before Christmas, you'll do it again next year and forever after. To have time to watch the world go by at Christmas time and not to have to rush and scurry through the stores, is something worth planning for."

Eganville Leader:—A map used by Christopher Columbus during his voyage to America is said to be in possession of the Turkish Government. The Knights of Columbus should have an impressive claim on this document, comments a Toronto paper.

COBALT OFFICER LIKELY TO REGAIN USE OF HIS FINGER

Reference has been made in recent weeks to the injury sustained by Provincial Officer R. O. Stromberg, of Cobalt, while arresting a man who was acting in disorderly way in the liquor store in the Silver Town. While the arrest was being made the man is said to have bitten one of the officer's fingers. As a result of this injury, infection set in and Officer Stromberg had to take special medical treatment for the injured finger. He had to make a couple of trips to Toronto, and for a time it was feared that he might lose the use of the finger altogether. Last week, however, he returned from Toronto with the pleasing information that it was confidently expected now that he will eventually have the full use of his finger again. After an X-ray examination of the wound the doctors stated that in their opinion consistent massaging of the part of the right hand where the cord rotted away will restore the finger to normal service again. In the meantime the officer has been off duty since the time of the accident or incident, but he expects to take up his duties again at an early date. The man who did the biting is now serving a term in jail for his connection with the trouble at the Cobalt liquor store.

SMALL BEAR BEATS DOG IN RACE AT HAILEYBURY

An interesting incident is related in regard to a small bear at Haileybury recently, and though it has no bearing on the controversy as to whether bears kill moose or not, the story is worth telling for itself. According to the tale from Haileybury, a small black bear visited the county town of Temiskaming one day recently. It was specially remarked for its small size. "It was a full grown bear," one Haileybury man said, "but it had never reached its full size." The nationality of this man may be guessed, one guess only being allowed. Residents of Haileybury who noted the bear made serious efforts to catch it, but all efforts were unavailing. The way it eluded capture, together with the fact that it was below size for this time of year, made many conclude that the animal had been kept in captivity and had escaped. At the same time others pointed out that the little black bear was certainly wild enough. If its size won notice its speed came in for even more attention. It travelled some according to the accounts. It was wandering around one back yard and garden when a dog decided to nip its heels. The little black bear, however, out distanced the dog, though it may be that a Haileybury dog would not chase even a little bear too fast. At any rate no one would expect a Haileybury dog to chase a bear as fast as the dog in history chased the bear around a big tree. The bear ran around the tree with the dog after him and the dog chased that bear so fast that the bear overtook the dog, and that was the end of the story and of the dog.

New Equipment for Testing Mine Cable

Department of Mines at Toronto Now Installing Most Modern Type of Equipment for Testing of Hoisting Cables.

Further tangible evidence of the growth of mining in Ontario during the past decade, and particularly in the development of deep mining and greater hoisting speeds is seen in the new equipment which has been purchased recently by the Ontario Department of Mines for testing the strain on hoisting ropes and cables used by the metal mines of the province. This equipment has just been delivered and is now being installed in the new wing of the East Block of the Parliament Buildings, Toronto. The equipment may also be said to indicate the attention and interest given by the Dept. of Mines to all phases of mining and particularly to those items that make for the assurance of greater success in mining operations and greater safety for the men employed.

The work of the rope testing laboratory has received the highest praise from the mining industry and from the Canadian manufacturers of wire rope, for whom much important test work has been done. The technique developed by the Department of Mines in carrying on this exacting work has come to be recognized as the most advanced on the North American continent and it is doubtful if such thorough and reliable test results on wire rope can be obtained elsewhere.

Modern deep hoisting practice having resulted in the use of hoisting ropes of higher breaking strains than can be adequately tested by the original equipment, the Ontario Department of Mines decided late in the year 1929 to install higher capacity testing equipment to meet this situation and to provide for large capacity tests.

After careful investigation of all the foremost makes of testing equipment a contract was awarded to the well-known firm of weighing and testing machine manufacturers, W. & T. Avery, Ltd., Birmingham, Eng., to design and build a machine of 1,000,000 pounds capacity to the specifications of the Department of Mines. It is expected to have the new equipment in operation about the first of the year.

In many respects this new machine is unique. It is the largest testing machine installed in Canada and the largest vertical compound lever machine yet manufactured in Great Britain for testing wire ropes. In addition to this it embodies many special features based on the past experience of the Department of Mines testing laboratory and designed particularly to increase the usefulness and efficiency of the machine for wire rope testing purposes.

Some idea of the massive construction employed in building the machine may be had by consideration of the following facts: Weight of the machine complete, 94,108 pounds; overall height (from the bottom of straining screw tubes to the top of the weighing holder) 28' 2"; diameter of straining screws, 5"; weight of the largest individual piece of the machine, 17,360 pounds; maximum straining capacity, 1,000,000 pounds; maximum diameter of test specimen steel wire cable, 3 1/2"; maximum vertical movement of straining crosshead, eight feet. The machine is equipped with autographic recording apparatus and an electrically propelled and controlled poise.

Autographic Recorder

The autographic recorder which is installed immediately behind the steel yard in such a position as to afford good visibility by the operator, is arranged to enable duplicate records of the test to be taken. The graph paper on which the chart of the test is plotted is attached to the recorder drum which rotates by means of a steel tape carried from the specimen to a pulley on the drum and so arranged that the rotary motion may be plotted as actual elongations, or, if required, may be magnified 5.1 or 10.1 by means of spur gearing pulleys. The lateral movement of the pen carriage corresponds to the movement of the poise and indicates at all times during a test the load applied. The pen propelling screw which is mounted parallel to the recorder drum is driven through a small four-change gear box which permits the plotting of full sized charts for a series of predetermined loads of lesser than full capacity strains.

Poise and Poise-Propelling Systems

The poise is of the Avery split poise type, permitting operation of the machine at full rated capacity of 1,000,000 pounds or at one-fifth capacity, 200,000 pounds. Load readings of 50 pounds are obtainable on a micrometer dial at full capacity and even finer readings are obtainable in conjunction with lower capacity tests. The drive for the poise propelling system is taken from the main gear box through skew gears to a friction disc drive (which permits the necessary speed variation) and from this point to the poise propelling screw via a vertical shaft fitted with a universal joint which allows the upper portion to be free to oscillate and enables the small wheel at its end to make driving contact when required with either side of a grooved friction pulley arranged on a horizontal shaft connected with the poise propelling screw propeller. Provision is also made for manual operation of the poise should that be deemed desirable at any time.

By an arrangement of electrical contacts at the beam end automatic operation of the poise in either direction is controlled and the operator warned by automatic bell and buzzer signals of

Motor Vehicles in Dominion, 1,239,888

Bureau of Statistics at Ottawa Issues Very Interesting Array of Statistics About Roads and the Motor Traffic.

The Bureau of Statistics issued last Thursday the annual report, "The Highway and the Motor Vehicle in Canada, 1930."

According to this report, \$64,265,024 was spent during 1930 on construction of provincial highways and local roads receiving provincial subsidy and \$21,464,248 was spent on maintenance of these roads, making a total of \$85,729,272. This does not include any expenditures by rural municipalities on roads receiving no provincial subsidies or urban streets. On bridges and ferries under the jurisdiction of the provincial highway departments further expenditures were made of \$5,733,209 for construction and \$1,638,569 for maintenance, making a total of expenditure during 1930 on highways, ferries and bridges of \$93,101,050.

The provincial debenture debt for highways which was outstanding at the end of the year in the neighbourhood of \$326,659,000. The exact figure was not obtainable due to some of the provinces not issuing separate bonds for highway purposes.

There were 80,498 miles of surfaced highway in Canada and 394,373 miles of all classes of highway. For rural roads receiving no provincial subsidy estimates were included. Ontario had the greatest mileage of surfaced highway with a total of 44,740 miles, or 56 per cent. of the total for Canada. Quebec was second with 13,302 miles, and British Columbia was third with 7,477 miles.


There were 1,239,888 motor vehicles registered, all provinces except Saskatchewan showing increases over 1929 registrations. Revenues collected amounted to \$42,821,508, consisting of \$20,166,283 from registration fees, motor bus taxes, operators' licenses, etc., and \$22,331,437 from gasoline tax. The revenue from registration, etc., was \$2,165,154 less than in 1929, due mainly to reduced fees in Ontario and Saskatchewan. The gasoline revenue, however, was larger by \$3,910,257, due to larger consumptions in Ontario, Quebec and the Maritime Provinces, and although there was less gasoline sold in the Western Provinces, increases in rates produced larger revenues in all but Alberta.

The report shows that 1,290 persons were killed in motor vehicle accidents during the year and, on the basis of gasoline consumption, Saskatchewan had by far the best record with 1,632 deaths per million gallons of gasoline or approximately per 70,000 motor vehicle miles, whereas in New Brunswick the average was 5,149 deaths per million gallons of gasoline or 70,000 motor vehicle miles.

NO CHANGE IN THE IROQUOIS FALLS COUNCIL FOR 1932

The Iroquois Falls council board for 1932 will be the same as this year. Geo. L. Cameron was re-elected mayor for 1932 by acclamation. The council re-elected last week for the coming year were:—G. S. Wilson, E. Lavallee, A. E. Brewer, T. Hogg, A. Corcoran and P. Walsh.

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Surely you want POWER AND FLEXIBILITY
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