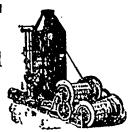


Railway, Colliery and Gold Miners'

SUPPLIES.



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ENGINES, BOILERS, PUMPS, WROT IRON PIPE.

CYLINDER and MACHINE OILS.

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Our Specially-Marine engine building and repairing. DEALERS IN

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Agents for "MAGNOLIA," a Perfect Anti-Friction Metal.

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FOR MINERS' USE. IRON PIPES AND FITTINGS, &c.

This is the only explosive ever invented that can in reality be termed

A SAFETY FLAMELESS EXPLOSIVE.

It is not affected in the least by change of temperature; neither Fire, Lightning, Electricity or Concussion can fire it, and nothing but the insertion of the Detonator or the cartridges can make it explode. Since its instruction of the Detonator or the cartridges can make it explode. Since its instruction that HAS NEVER BEEN A REPORT OF A SINCLE ACTIONNEOUS OF LIFE cutter in its use or manufacture. Any explosive containing NITRO GLYCERINE when exposed alternately to moist and dry air is marked to see NITRO GLYCERINE when exposed alternately to moist and dry air is marked to SINTION, and such in reported against by H. M. Inspector of Explosives. 31 - NIT-90. Hence the terrible accidents which are constantly occurring from the use of Dynamite whereby thousands or mixels have been clearly demonstrated in the SINTION MARKED AND INCLESS FOR ACCIDENT IN ENGLAND that are using it exclusively, and Miners in Nova Scotia have only to study closely the character of the material to be operated on, as I after a little practice with discover that a very small charge of Roburite will do all the work that larger charges had previously been used to do. MORE COAL CAN BE GOTTEN BY ROBURITE AND AT LESS COST than by any other explosive, whilst at the s. not time ALL RISK OF ACCIDENT IS AVOIDED. These are facts which should be well studied by Managers of Mines and Miners who have any regard for their lives and the comfort and happiness of their wives and children.

Manufactured in Halifax and for sale by

CANADA EXPLOSIVES COMPANY, Limited.

Office: No. 2 DUKE ST., HALIFAX, N. S.

MINING.

COAL TRADE.

From Report of W. Madden to the Department of Mines, Year 1891.

EAST RIVER AREA —I would further say that a very familiar form of accident in all our coal mines is caused by coal falling from the working face. This, in my opinion can be remedied to a very great extent, by first, the makagement strictly enforcing the proper timbering of places, and second'y, making it the duty of their efficials when visiting a working place, not merely to ask the men how they are getting on, but to look and ascort in if the place is properly timbered, and if not, to cause that it be done at ouce.

Another familiar form of accident is the "trapper by ya" being either jammed by hoxes, or trampled on by horses. The cause is in many instances leaving their doors to gratify some curiosity or in visiting the next trapper but

their doors to gratify some curiosity, or in visiting the next trapper, but more frequently by going to shift points or some other duty for the driver. Those are two of the most familiar form of accident met with, and they, I have no doubt, can be greatly decreased by the management preserving strict discipline and rigidly enforcing the laws. So far we have been very fortunate from accidents by raising or lowering men in slopes, as every practicable provision has been made for safety. This, however, is not so in our perpendicular shafts. No provision has been made in them to meet such accidents as over-drawing or breakage of rope and the time has now such accidents as over-drawing or breakage of rope, and the time has now come, in my opinion, when some protection should be made to meet such kind of accidents, and appliances such as King's Patent Dataching Hook, or come other of a like nature of equal or more value, should be in constant readiness to meet with such accidents. WILLIAM MADDEN.

CAPE BREION COUNTY — The total sales for this County were 982,392

tone against 916,994 tons in 1890.

The increase was principally in the home sales and those to the Province

of Quebec.

During the past year the Gardiner mine was got into good working order by the Burchell Bros, who introduced a Jeffrey's electrical coal cutting machine. The Sydney and Louisburg Coal and Railway Company reopened the Emery seam. Both these mines are said to yield a coal adapted for steamer uses. Preparations are being made for introducing mechanical coal cutting machinery into several mines in the Cape Breton district. As a result of the Cape Breton Railway coal from this district is burned on the Eastern Extension Railway

The production of the Collieries is for the year 1891, was as follows:

Colliery.	Raised.		Sold.	
Bridgeport	30,897	tons.	32,547	tone.
Caledonia	159,985		144,995	44
Gardener	18,746	44	17,105	**
Glace Bay	117,767	£:	110,212	"
Gowrie		"	152,367	44
International		"	124,677	44
Ontario	3,111	"	2,709	"
Reserve	170.844	"	154,656	"
Sydney		"	146 645	**
Victoria			96,479	4.6

Prospecting was carried on at several points in Cape Breton County, and it is claimed that a new and workable seam has been found underlying the Gardener seam. Such a seam would prove, owing to the great extent of country it would underly, a great addition to the coal resources of the Island.

At East Bay, Mr. Young, on behalf of some American capitalists, has been engaged in sinking on a bed of hard coal, and will continue with better

sinking appliances in the spring.

The Mabou Gypsum Company have opened one of the Mabou seams and sold a few tons. The seam is 74 feet thick and of good quality. A wharf has been built, and it is expected that next summer i considerable trade will be done with Nova Scotis and Prince Edward Island.

I append Mr. Neville's report on his inspections during the year 1891. Вигосерант, Dec. 31-t, 1891.

E. Gilpin, Esq., Deputy Commissioner and Inspector of Mines:

Dear Sir,-I beg leave to forward you a report of my inspection through the C pe Breton coal mines, during the year ending December, 1891.

Sydney Mines.—The north side pump deep has been driven further to the dip and a new landing opened there, two hundred and nanety-one yards below the old landing. No. I angle deep, south side of pit bottom, has been driven through the trouble and extended, so that a new landing has been opened at three hundred and thirty yards further to the dip than the o'd landing, also No. 2 angle deep south side, has been extended and a new landing opened out three hundred and thirty yards further to the dip than

A new and larger spur wheel has been put on the north side underground engine to increase its hauling capacity. A new Jack engine drum and ropes have been put in for lowering and drawing the men from the pit. Also the back of the cages are boarded in and an iron bar placed across the front for safety.

The ventilating fun has been much improved in efficiency, by tacking sheet rubler to the periphery or margin of the blades, also by enlarging the cutlet for the escaping air. A second new apparatus has been erected to help the filling away of the bank coal during shipping season. Cast iron tubing has been provided with which to line the pumping shaft at points where the changing energy by reason of the heat from the starm of where the stone is wasting away, by reason of the heat from the steam of the underground engine.

The heapstead pit tops, boiler seats, and engine houses, have been lighted by electric lights. A small horizontal engine and dynamo have been put up for that purpose, all of which gives satisfaction.

To be continued.)