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62 WATER STREET, ST. JOHN, N. B.  
For Catalogue C and prices.

Chemical Laboratory, Dalhousie College,  
Halifax, N. S., July 31st, 1891.

Within the last few months I have purchased promiscuously, at RETAIL GROCERY STORES in this City, packages of

## WOODILL'S GERMAN BAKING POWDER,

and have subjected same to Chemical Analysis. The samples were found to consist of Fresh, Who'some Materials, properly proportioned. This Baking Powder is well suited for family use and has been employed, when required, in my own house for many years

GEORGE LAWSON, Ph. D., L. L. D.  
Fellow of the Institute of Chemistry of Great Britain and Ireland.

## MINING.

DOWN THE EAST SLOPE.

THE SCENE OF THE TERRIBLE EXPLOSION OF FEB'y, '91.

From *Stellarton Journal and News.*

(Concluded.)

We retrace our steps. There is much coal still on this level. Between No. 2 and No. 5 balances there is a block 200 ft. by 1,000 ft., which was left as a dump wall. This will soon be taken out. There is a level lower than the 1900 called the 2000 feet level. The coal from there is hoisted by a slant, not connected with main slope, to the 1900 feet level. This slant is worked by a rope connected with the surface through a borehole. Through a tunnel some 150 feet long called McPherson's tunnel, Matthew McPherson & Co. having driven it, we pass in to the West slope seam which underlies the East seam. The thickness of the strata dividing the two seams is 150 feet. It is curious that the thickness of the strata between many seams in the Province is 150 feet. The level we travel is the 1900 feet level West slope seam operated from the East slope. It is driven about the same distance as the one overhead, which we have just left. About half way in the West slope sinking is reached. From the level to the bottom of the sinking is 1000 feet. The coal from the sinking is hoisted by rope through borehole from the surface, the coal going out by East slope. From the level up, the slope has been driven 700 feet less a barrier of 40 feet. When this barrier is taken away the West slope will be exposed, and the removal of the barrier will give a length to the West slope of 3,000 feet, instead of 1,300 feet as at present. Having traversed the 1,900 foot levels of the East and West slopes, we concluded that a fair morning's work had been done.

The pit, so far as could be judged from the short visit, is in excellent condition. The quantity of gas encountered is trifling, and when found by the examiners it is removed before the men are allowed to enter. The ventilating current is supplied by a home-made 20 foot force fan. The quantity of air constantly in circulation averages 80,000 feet. The mine at the furthest points is a little dusty, but occasionally a stream of water is let down the chute from the upper lift. In the East slope the coal is improving, less stone being met with. While Manager McInnis supervises all, the East slope is under the immediate charge of Mr. Wm. Conway, a tried and experienced man. That he knows his work is evident from the condition of the mine and from the number of boxes of coal hoisted daily. He ought to be familiar with the East slope, for he gave it life. His assistant is Mr. Joseph Campbell, a young man of great promise, who owes much to the P. W. A.

One of the most difficult tasks of the management is to keep the work well ahead, so as to supply new places when the old are worked out. This is no light matter at a colliery where the output is large. If the market comes to hand and no accidents occur, the collieries have facilities for an output during '92 of half a million tons.

For the past few weeks there has been a good deal of broken time, but from this out it is believed work will be steadier. The number of miners employed in the three slopes is 492 with 213 loaders. Of boys the number is 140; shiftmen 14, and of horses 65. There is a small army of major and minor officials. The distribution of this force is as follows:—

	Miners.	Loaders.	Boys.	Horses.
North.....	208	80	63	24
East.....	118	58	40	18
West.....	166	75	37	23

The North slope hoists 1,000, the East 900 and the West 800 boxes per day.

As a result of Messrs. McInnis and Halls' visit to the United States it has been resolved by the company to introduce the tail rope system of haulage in the North slope. The system will be in operation, it is expected, in two or three months. It will after that time be introduced in East slope.

## GOLD MINING IN NOVA SCOTIA.

H. T. Harding, of Truro, has taken out 190 gold areas in Martin's Cove, Cape Porcupine, Guysborough, and John Annand, Jr., has taken out a block at Wellington.

Gold mining continues to boom in Northern Queens Co. The *Gold Hunter* says:—Quite close to the old Molega company's mill a new shaft has been sunk on the rabbit lead, from which 25 tons of quartz yielded 75 ounces of gold this week. Other shafts on the same lead are yielding nearly as good ore. Mr. Wade knew what the lead yielded further east at this depth, and so when he got through the soil in the lead he said, "We struck it, and struck it good." Now he has 1,500 tons of ore in sight, and enough to keep the mill running for three years, which will likely yield three ounces to the ton. The north lead is working in good shape, and never did so well. The Parker and Douglas mine is working favorably. The shaft on the Fraser lead has been sunk to the 100 foot level, showing pay ore the whole depth. A large force will now be placed on this lead to work it for all it is worth. Some rich nuggets were also taken out this week. The property now looks more encouraging than for a year past. The Boston Gold Mining Co. are taking out very rich ore. Last month the yield was 365 ounces, and this month may give a like result. This week the mill is testing a few tons from the side boulder lead. Adjoining this mine is the Fish block, and the rich leads discovered on the Boston mine run through this property. At present Charles E. McLeod is taking out ore from the nine boulder lead, which at the place they are sinking is in two leads 9 and 4 inches wide, all showing gold. Adjoining this property is the Nelson block, where Mr. McLeod is also taking out quartz, which he will shortly have tested. The