and then passes over a copper plate eight feet long and on to the concentrotor. Copper plates are used. The massive frame work is specially stayed, and the driving gear is so arranged that all belts, etc., are overhead. These are a few of the features to which Mr. Nissen called special attention, and

we have described them to the best of our ability.

A compound engine made by W. W. H. well, of Halifax, of 25 horse power, and an upright boiler of similar power made by Patterson of this city, are now being placed in position, and by the first of next year the mill

will be in running order."

We may say in addition that the concentrator is not yet in position, and that the tailings flow from the p'ete into inclined troughs, which meet in the centre of the plate and discharge into a simple but effective mercury trap, and then flow in sluices out of one side of the building.

The stamps weigh 750 lbs. and are run at a speed of 75 drops per minute with a fall of six inches, crushing one ton per hour. A large tank in the upper story of the building is fed by the steam pump, and has a capacity of 2000 gallons.

The battery works like a charm and without a jar, a pan of water placed

close to the main uprights not showing a tremor.

The mill was stopped and one of the copper plates removed from the mortar. The ama gam had collected thickly on it, and it had every appearance of being a valuable addition to the mortar. In a very few minutes the plate had been replaced, and the mill again started, proving the ease and co'erity with which the plate may be removed and inspected

Prof. Butler, of Kings College, the President of the Company, and Capt. Maynard, the Manager, who had just driven in from Halifux, came into the mill as the plate was being removed. Two colder looking men it would be hard to find, but they soon warmed up by the boiler and then

proceeded to chefully inspect every detail of the mill.

Mr. Nissen is a Norwegian by birth, and is a thoroughly educated mechanical engineer. He came to Nova Scotia during the first gold excitement and put up mills in Lawrencetown and the eastern districts. He then went to the Western States and his over since been building mills there and in the Carolinas. In the latter States he has constructed the best mills now running and has returned to Nova Scotia with his ripo experience, ful y prepared to contract for all kinds of mining machinery, his specialty being stamp mills. His first mill here on his new pattern is now running at Montagu and speaks for itself. He furnished the patterns, and the castings and the machine work were done by the Windsor Foundry and Machine Company. Mr. Nissen impresses one as a thoroughly upright man and as he guarantees satisfaction in all he undertakes, or no pay, all parties desiring to creet stamp mills should have his figures on the work.

Having seen all that was to be seen at the mill, we passed over to the

Annand Mine and met Mr. Melville, not Melvin, the Accountant of the Nova Scotia Gold Mines, Limited. He informed us that Capt. Thomas, the Manager, was indisposed with a gold, but the latter sent word that he would teo us. From him we found that there was nothing particularly new to report. In a half-hour's pleasant chat we had our former opinion strengthened that Capt. Thomas is an exceptionally able man, straightforward, determined, economical and thoroughly up in his profession, and we left him convinced that he wou'd do good work for the good mining interests in

Nova Scotia

We then had a look at Mr. Sanders, the Assayer, and heard some of his interesting experiences in California and Alaska. Hero Hector McQuarrie

drove up and we started on our ceturn to Halifax.

Mr. McQuarrie is an old miner, having worked in all the old gold dis tricts, and he related many amusing anecdotes of former days as his tough little pony speeded us towards Dartmouth. He is the most obliging of men, always widing to do a favor, neither time nor trouble being an object.

CLEAR HAVANA "CIGARS"

"La Cadena" and "La Flora. Insist upon having these brands.

## THE ACT OF 1849.

To the Editor of The Critic.

Sin,-In the coal mine question I am mentioned in The Critic of Feby. 3rd, in a manner that requires correction.

As a matter of fact I had no communication with Mr. Cahan until Satur-

day, Jany 28th.

On Menday the 23rd. I did have a conversation with a legal gentleman who some years ago hold an official position here. To him I mentioned the act of 1849 as the first authority conferred upon the government of this province to deal with the mines, and I particularly called to his attention the "cases stated for the opinion of counsel," and the answer of counsel to the case dated Lincoln's Inn, December 30th, 1846, signed, Richard Kindersley, Montague Chambers, and J. Fiemming, the same as printed in the Herald of Jany 31st. and also that no other or greater authority had been conferred since 1849.

As regards the coal leases, I said, the holders can rest quite easy. The said mines and minerals being the property of the crown in absolute and uncontrolled dominion and her Majesty the Queen in council having given her assent to the acts authorising the leases after the same had been passed by the Governor, Conner, and Assembly of Nova Scotia, these leases would be found good for their whole term of sixty years from 1886, or to the

year 1946, and without any increase in the Royalties.

Note -- Every act pass d by the Governor, Council, and Assembly of this Province was up to the year 1867 transmitted to London for the consideration of her Majes y the Queen in Council, and these Acts were accordingly either allowed to have effect or they were disallowed, and the decision

fore think as soon as the acts of the present session have received the Queen's assent they will be effectual and not at all before.

I am, Sir, your obdt. servant,

Lewis P. Fairbanks.

The Grove, Dartmouth, N. S., Feby. 4th, 1893.

DYNAMITE. - A writer in the last number of the Scientific American, speaking of the many serious accidents that occur from thawing out dynamito, proposes a rather novel regulation as to the use of this dangerous explosive. He argues that as nearly all accidents occur from the thawing out of the dynamite, that legislatures should enact laws making it a criminal offence on the part of any one storing or using dynamite to allow it to freeze. Regulations as to the thawing out of dyn-mite, or the sale by manufacturers of explosives of frozen dynamite would seem to us to come more naturally under the action of legislative restrictions. If frozen dynamite is in a dangerous condition why not require the delivery of dynamite in safe condition for use.

ISAAC'S HARBOR.—No:th Star Mine, Isaac's Harbor, yielded 150 ounces for 85 tons quartz last month, and 165 ounces for the previous month. Messrs Macdonald & Co. Dr. Cameron, W. H. Johnson, and W. G. Brooktield of Halifax. Messrs. Bennett Smith's Sons of Windsor and Messrs. Churchill of Hantsport are the owners, and the mine is under the management of Roderick McLeod.

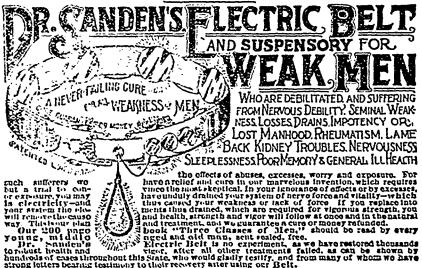
Scissons.—Having referred the questions raised by Mr. Caban under the act of 1849 to such able lawyers as Messrs. Henry, Harrington, Ross and Pearson, and having secured and published their convincing opinions that le sees are in no way detrimentally affected by the act of 1849, we reaffirm our statement that this point is forever settled. We now join Mr. Cahan in defering to the opinions of Messas Henry and Ross, and only regret that he did not consult them before making his stupid blunder. The Herald has taken up the cudgels for Mr. Cahan, and with all the stubbornners of "a man convinced against his will" tries to quibble out of the difficulty. We should have preferred to see Mr. Cahan adopt a more manly straightforward course, but this may be a matter of mere taste, and perhaps he has not yet been given light to see himself as others see him. He now comes only to scoff; he may yet remain to pray.

Mr. Alfred Woodhouse, of the Nova Scotia Gold Mines, Ltd, and the Symon-Kaye Syndicate, has returned from London, arriving in Halifax on Monday night.

"For eixty years," says a Baptist deacon, "I have known Johnson's Anodyne Lini-

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YOU TRIED DRUGS AND FAILED TO FIND A CURE?



WE HAVE CURED THESE—WE CAN CURE YOU!

FROM CANADA.

RESERT, P. O., Ontario, October 10th, 1822.

LANDES, learner, Kondis accept may hearry
the begin has entirely cured me of rheumail

esti, P. C., Ontario, Octobe thes, Bearsir - Kindly acce rice to tay your electric le I redef - I was suffering tion, nerver any and how

JAMES MEAD, 24 Perry St.

GENERAL DEBILITY, &c. 

THE DR. SANDEN OFLECTRIC BELT

ວີເດັດລີ. ແນ Hetanded are wearness in young, mild Address for full information.

SANDEN ELECTRIC CO., 819 Broadway, New York. was duly announced to our Liout. Governor and to his council. I there- all custom Duties will be ald on our goods in No York.