Canadian Mining Review, OTTAWA.

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The CANADIAN MINING REVIEW is devoted to the opening up of the mineral wealth of the Dominion, and its publishers will be thankful for any encouragement they may receive at the hands of those who are interested in its speedy develop ment.

Visitors from the mining districts as well as others interested in Canadian Mineral Lands are cordially invited to call at our office.

Mining news and reports of new discoveries of mineral deposits are solicited.

All matter for publication in the REVIEW should be received at the office not later than the 20th of the month.

Address all correspondence, Sec., to the Pub-Ottatea.

Many of our readers will regret to learn te be profitably handled. of the death of Mr. James W. Lynch, superintendent of the Derry Phosphate Mines,

of inflamation of the lungs.

Deputy Commissioner of Mines for the Province of Nova Scotia. The new appointment, and the amalgamation of the two offices thus provided, is very favorably received in mining circles throughout the province.

At the meeting of the Iron and Steel Institute, held last month in London, Eng., it was stated in one of the papers read, that a small amount of chromium added to steel renders that metal much harder and improves it for a variety of purposes. If this important fact be universally recognised it will undoubtedly create an increased demand for chromic iron, of which, as our Province of Quebee. Several large blocks of this metal were on exhibition at the Mineral Court of the Colonial and Indian Exhibition.

Messrs. Foster and Gregory, the gentlemen appointed by the Royal Commission to report on the minerals and rocks shewn at the Colonial Exhibition, have completed their examination of the Canadian exhibit. Mr. Foster, who is Her Majesty's inspector of mines for North Wales, reports particu-

minerals of economic importance, and we in a recent issue of the *Canadian Trade* learn that he expresses himself much pleased with the extent and excellence of the with the United States, the Americans were collection brought together by our geologi- the principal purchasers of Nova Scotia cal survey. Particular mention is made of coal. In 1865 and 1866, out of an average the large series of silver ores from the Port of 595,000 tons mined, about three-fourths Arthur district, many of which are very rich, of the entire product went across the borand he expresses the opinion that as that country is opened up, it will become one of American import duty upon bituminous the most important mining districts in the coal of course interfered with the sales to Dominion.

It will be remembered that several specimens of chromic Iron, from the Canadian eighth part of the entire product. We then Mineral Court, at the Colonial Exhibition, were recently tested by an English firm facturing industries. The first movement with a view to importation. The report on gave the miners an extended home market, these samples, says the *Canadian Gazette*, the second increased the con-umption and "shows that some of the ore is sufficiently consequently the demand for coal. Now, rich to suit the requirements of manufac- instead of mining only 595,000 tons annuturers in Great Britain, while in the case of ally as in 1886, or 700,000 tons as between other samples it is expected that either by 1871 and 1880, the Nova Scotia output had a process of careful selection, or by striking reached 1,352,000 tons, at which it stood in new ground, an ore may be obtained of the year 1885. Of this quantity Nova sufficient richness to be profitably exported. Scotia, owing in part to the increased de-The chromic iron ore occurs in the same mand for manufacturing purposes, used districts as the asbestos, which of late years 450,000 tons, while New Brunswick took has been so extensively mined. The Que-bec Central railway has recently made the 000, and the remainder was taken by Prince deposits much more accessible than former-ly. It may be remembered that many years West Indies. The total sales of Nova lishers of the CANADIAN MINING REVIEW, by. It may be remembered that many years West Indies. ago a trial shipment, consisting of ten tons Scotia coal in 1879 reached 688,624 tons. of the ore, was made to England, but it was The total sales in 1885 reached 1,250,000. then found to be too poor in chromic oxide and the output 1.350.000. Thus the busi-

near Buckingham, Que. The deceased gen- colliery explosions, was very clearly ex-1 Policy, were 268,000 tons. The total sales tleman, who was favorably regarded in plained by Herr Nasse in his address to a to the same provinces in 1885 were 493,000 mining circles, passed away at Derry, on recent meeting of German mining engineers tons, an increase of not quite one hundred Thursday, 25th November, from an attack at Düsseld. From experiments it appears per cent. in five years. that risk of explosion depends upon four

circumstances and conditions, each of which We learn that Mr. E. Gilpin, Inspector of affect the explosiveness of the air in a Mining Review, there is occasional enquiry Mines, succeeds the late Mr. John Kelly as large degree. These are (1) the quantity concerning the probable exhaustion of our and degree of firmness of the dust, circum-stances that depend upon the hardness and generally being that these supplies were the structure of the coal; (2) its chemical created ages ago, and stored up in reserconstitution; (3) the quantity of carbonated voirs, in which they are now discovered to hydrogen present; and (4) the degree of meet the requirements of the present time. moisture in the dust. The last is a matter Some years ago the problem of the future of great importance, and demands careful supply of coal assumed large proportions attention. It is a variable condition in the and was considered with much anxiety. same mine; for dust may be very dry in one part of the workings and saturated with tation to use as fuel, removed and destroyed moisture in another. Also, the moisture much of the interest connected with the contained in the coal-seam may be much less in one mine, or in one locality, than in attention was turned to the supply of oil, another; so that great variations in the dry- and its outlines were beginning to be definess of the dust at the working faces may be observed. Generally, the seams that do tive investigators, the value and importance readers know, there are large deposits in the not reach the surface are much drier than of the wide-spread discoveries of natural gas those that crop out. The former usually still farther removed the date of the excontain about 4 per cent. of water; the latter, from 9 to 15 per cent. Herr Nasse time there is much difference of opinion believes watering to be desirable, and where concerning the permanence of the supply of shot-firing is carried on, necessary. But he natural gas; many holding that it has been admits that practical difficulties have hither- collected in reservoirs, which, when depleted to stopped the way against a general adop- can never be refilled, hence predict a short tion of this precautionary measure. He season of spasmodic activity in the life of thinks that the subject should receive more this new agent, which is already becoming attention from mining engineers.

larly on the ores, building stones, and other | state of the Nova Scotian coal trade, appears | confusion comes from a lack of definite

Review. "When we had a reciprocity treaty der. After the abrogation of the treaty, the the United States, and gradually those sales have decreased, until last year the Americans took but 34,000 tons, only a thirtyprotected our coal miners, and the manuness has doubled since 1879. The total sales to Ontario and Quebec in 1881, two The action of coal dust in bringing about years after the introduction of the National

At the present time, writes the Chicago The discovery of petroleum and its adapdiscussion of the question of supply. nitely established in the minds of speculahaustion of our fuel supply. At the present an important factor in the industrial histor? and advancement of the present time. As The following interesting item, on the we have stated, much of the difficulty and