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New Series Vol. 11 No. 20

APRIL 28th 1909

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66 Express for Picton	

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over five square miles for eighteen months, cost \$30,00; leases for four renewable terms of twenty years each can be selected from them at a cost of \$50,00, and are subject to an annual rental of \$30,00

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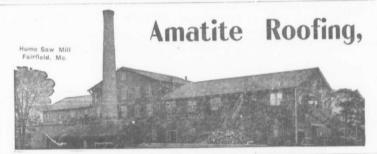
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FRIFIME MINING RECO

Vol. 11, No. 20. Stellarton, N. S., April 28th. 1909. **New Series**

SELECTED QUESTIONS AND ANSWERS.

(Science and Art of Mining.)

SHOT FIRING.

What regulations would you propose and adhere to?

tionately more coal coal dust is suspended in that air, of the shot-firer and if the air-way is of moderate size and the velocity of the current is high then more danger still is to be Recent explosions prove without a apprehended, worst in a coal dust explosion. The danger attached to shot firing is, of course, due to the liability to blown out shots, and experience seems to prove that no matter how dependent an official may be, the danger of having a blown-out shot remains.

The chief reason why a blown-out shot is more dangerous in a roadway passing large quantities of air than in one with a poor current is owing to the behaviour of the waves preceding the flaine. If we imagine the force of the explosion of the charge, we can readily see that with a quick current the flame will be more rapidly passed on to the dust particles than if a slug-gish current prevailed. Then, again, the high velocity will cause the path of the explosion to be more favourable, owing to it stirring up the dust more quickly through the medium of the preceding waves, and then adding fuel to the fire, so that with a dusty roadway, a blown out shot, and a large quantity of air passing. we have everything favorable to a large explosion, and strict attention must be paid to all shot-firing on main roads if we are to prevent such happenings.

The regulations proposed in the Explosives Order

adhered to will undoubtedly lessen the risk which inevitably attends shot-firing. Such regulations are: (1) (b): In all coal mines which are not naturally wet throughout, no explosive, other than a permitted explosive, shall be used in, or taken into any road which Q.—Do you consider shot firing dangerous on a 13 dry and dusty, or any shaft or means of communic-roudway where large quantities of air are passing, and ation therewith. In all such coal mines the use of permitted explosives is prohibited unless (1) the charge s fired by a competent chargeman, termed the shot-A.—In the writer's accepted answer to the former firer, and appointed in writing by the owner, agent or part of the above question which appeared in a late manager. Every charge must be placed in a properly issue, he expressed his opinion by saying that it dedilled shot hole, and must have sufficient stemming, pended upon what was present in the roadway, beside the hole containing a charge of one class of powder, no pended upon what was present in the roadway, beside sus alone containing a charge of one class of powder, no the large amount of air, as to whether shot-firing was two explosives being allowed in one hole, and no car-dangerous or uot. If dust is present, then shot-firing tridge must be used unless stamped according to re-is dangerous, provided the dust is coal dust. Stone quirements. No charge must be ignited except by eldust is not dangerous so far as is known at present, ectricity, and with a cable not less than 20 yards in and experiment has discovered that when the dust length. The shot-firer, before firing, should see that no longer inflammable or explosive. If the roadway and unless naturally so, must be thoroughly wet by contains coal dust it is the writer's opinion that shot artificial means. Where shots are fired singly his excontains coal dust it is the writer's opinion that shot. The eleccontains anything like 50 per cent. stone dust, this is all reads within a radius of 20 yards are free from gas, firing is dangerous, and more dangerous with the night velocity than with a sluggish current. The reasons trie apparatus must be provided with a detachable for this are that, with a large amount of air, proporthandle or button which must never leave the charge

Where shot-firing ia being done on any main road which is within 100 yards of the coal face, the shots must not be fired unless all workmen have been redoubt that collieries with large amounts of air suffer moved from all seams communicating with such roads except the fireman engaged in firing the shot, and in addition not more than ten persons who are necessarily employed in attending machinery underground, etc., or in attending to horses, or inspecting the mine, un-less a permitted explosive is used with all roadways round the shot within 20 yards radius in a wet state, either naturally or artificially.

Other regulations which the writer is acquainted four of the waves preceding the name. It we imagine a flame coming from a shot and passing through coal firing any hole, and any shot rer found stemming dust with such a velocity as will be imparted to it by with anything inflammable is prosecuted. No shots with are: No stemming other than clay is used in fired in ripping or on any roadways during working hours, and only when all coal dust has been removed, and the road watered the specified distance. No other method but electric firing should be employed in ripping in any mine, whether dusty or not, while the use of a good class and well tried explosive is absolutely essential. The regulation which the writer considers the very best is to abolish shot firing during drawing lours wherever possible, and if it must be done at all it should be when all ordinary workmen are out of the mine. In cases where the seam is worked bord and pillar this regulation is hard to carry out, but in all long wall work it is feasible, and should be carried out, of 1906 are in every way conducive to safety, and if but until a really safe explosive is discovered or shot. out shots will remain no matter how or where we reg. of a mine, in which noxious gases should be artificiulate.

RESCUE STATIONS.

Art" the following question is asked:—
Give your idea of a central rescue station. Do you

consider them advisable. To what radius should they

The first answer published is wholly in favor of these stations; the second which is the best written and more thoughtful of the two, takes the opposite ground. We publish below the article favoring rescue stations, and next issue will publish the article taking

an opposite view.

be limited etc :

My idea of a Central Rescue Station is that it should be established and under Government control. A fully qualified colliery manager, holding at least the third class certificate (this is the highest class) and medallion of the St. John Ambulance Association, also well acquainted with the construction of various parts of the particular kind of life saving apparatus used in connection with the station, and able to instruct clasappointed by the Home Secretary to take charge of the station and instruct corps from the various colliertage be in possession of second class certificates of eificiency, also possessing a thorough knowledge of the apparatus kept at the station, and able to instruct clas-

The station should be in direct telephonic communication with every colliery within its radius, by means went to the makers of the motor ambulance for a of a private wire to each, the telephonic line to be test ed daily between the station and colliery, and the test to receive telephonic communications, etc.

the carliest possible moment, with the necessary out the station practically independent of outside help. buildings, and that the stations should be established and become operative as sarly as conveniently possible.

which, in my opinion, should not be exceeded in any charge of all stores, etc.

purpose of training men in the wearing of the life sav- district Inspector of Mines. ing apparatus, rescue drill, methods of conveying unconscious persons, etc., and also for the storage of the

A large experimental gallery erected so as to pro-

firing altogether superseded, the danger from blown- duce as near as possible the conditions of the roadways ally produced and disposed of at will. In this men could be trained in the use of the life saving apparatus under actual working conditions, as we should expect to find them in a mine after an explosion.

A telephone call room, and store room, combined, In the prize competition questions in "Science and so that the stores would always be under observation, and kept at practically an equal temperature.

A suitable garage for the motor ambulance, etc.; Residental quarters for the staff, and their families.

A powerful motor ambulance large enough to convey the five men, with a sufficient number of life saving apparatus (say 20 sets.) stretchers, medical boxes, splints, bandages, etc., for First Aid. The motor ambulance should have a plainly distinguishable sign, say of a distinctive colour, or by having a large Maltese cross painted upon it, so that the police and general public could easily recognize it and facilitate its free and quick passage along the various roads when required to do so. The power employed to drive this vehicle should be sufficient to generate and maintain a speed of at least 20 miles an hour along the generally rough and heavy roads of a mining district. At least 20 sets of life saving apparatus with the necessary tools and appliances for repairing and recharging the ses in its construction application and use, should be same as required. A sufficient number of stretchers for drill purposes, and use in case of necessity. Aid boxes, splints, bandages, carron oil, etc. ies in the construction, application, and use of the var- the foregoing, which should be compelled to be kept ious apparatus. The instructor should have under his at the station, it would be necessary to keep a sufficharge at least four assistants, who may with advan- ciency of spare parts for repairs, also cylinders for oxygen, with the necessary plant for the making of oxygen and compressing it into the cylinders, and such construction, application, and use of the whole of the other acids and chemicals as may be used with the particular class of life saving apparatus in use at the ses in the absence of the person in charge; they should Station. Readers will also no doubt think of some also be in possession of certificates for readering First other appliances of a minor order, such as cells for the electric batteries for the telephone bells, etc.

I would further suggest that one of the assistants course of instruction in driving, and in the execution of travelling repairs, etc. A second to the makers of recorded in a book at the station, where at least one the life saving apparatus with a view of learning reassistant should be continuously on duty, in readiness pairs, and the method of recharging, etc., after which such knowledge should be interchanged so that each I do most certainly think them advisable, and and every one of the assistants would be able at any further that suitable buildings should be erected at time to do any necessary repairs etc. and thus make

come readers may say that I am expecting the assistants to be highly trained in a number of sciences Radius to which they should be limited. Owing to and trades, and so I am. But I have kept in view the varying local conditions in the different coal-fields, the fact that at some future date (let us hope it never it is very difficult to state a fixed radius in all cases. occurs) perhaps hundreds of lives will be dependent But I think that in no instance should any station upon their expertness, knowledge, and skill, therehave a radius of more than 20 miles. This would give fore, I don't think I have asked too much. The perau area of 40 x 40 x .7854=1,256.64 square miles, son in charge should have entire control and he in

All these persons should be appointed by the Home Appliances, etc., necessary to be kept at the Sta- Office upon the recommendation of the local district tion-In the first place, the station should consist of Inspector Mines, be attached to the Civil Service List, suitable buildings, such as a large drill hall, for the and held accountable to the Home Office through the

Multiplied instances have made it clear that various life saving appliances, and ambulance ap- local prosperity and morality have been enhanced by the restriction and suppression of the liquor traffic.

COAL IN THE UNITED STATES

So far as known, the first mention of the occurrence of coal in the United States, is contained in the Journal of Father Henne sin, a Jesuit missionary, who in 1679 recorded a"cole mine" on Illinois River near the present city of Attawa, III. Coul was first mined in the Richmond basin, Virginia, about 70 years after Father Hennepins's discovery in Islinois, but the first records of production from the Verginia mine were for the year 1822, waen, according to one authority, 54,000 tons were mined. One probably ranks second in priority of production, as coal was discovered there in 1755, but the records of production date back only to 1837. The mining of Anthracite in Pennsylvania began about 1790, and it is said that 55 tons were shipped to Columbia, Pa., in 1807 Reports of the Anthracite in coal trade are usually begun with the year 1820, when 365 tons (one for each day of the year) were shipped to Philadelphia from the Lehigh region. Before this, however, in 1814, shipment of 22 tons was made from Carbondale, also to Philadelphia. It is probable that the actual production prior to 1820 was between 2,500 and 3,000 tons,

More than 50 per cent, of the total production of coal in the United States from 1814 to the close of 1908, or 3,978 million tons, was mined in Pennsylvania. The or 3,978 million tons, was mined in remissivation ber of cases in which possible risk of accident a Anthracite production in the State amounted to 2,005 avoided by these improved methods of working. million tons. Illinois ranks second, with a total production of 695 million tons, and Ohio third, with 519 million tons. West Virginia, although not coming into existence as a separate State until 1853, ranks fourth, with a total production in 46 years of 473 million tons. Alabama comes fifth, 175 million tons, and Maryland sixth, with 151 million tons,— Coal Trade Journal,

A correspondent of the Truro News writing on "practical Education thus refers to the insane cry for the removal of Norwegian steamers from our coasting trade :

"Thirty-five years ago Nova Scotia as a sihp Building centre was without a rival, but times changed, and though Nova Scotia could again have taken the lead in steel ship building, her captains of industry let slip the golden opportunity for the moment, through want of foresight and education and now her ship masters are calling to the Federal Government to protect them from the Norsemen and their own apathy and upset the trade of the country when the whole fault lay on themselves and their want of technical education. How absurb! Let them now begin to seize their opportunity, and like the Phoenix of old, ship building of the modern type Great Village, Parisboro and other centres of by gone shipping glory will again hum with the busy industry of power per hour. the new material as it is rolled from the mills at Londonderry and elsewere to manufacture hulls and engines of future grey-hounds of the Atlantic; whi!st the water power now running to waste of the many rivers and stream-lets, as well as the tidal energy of the Bay of Fundy, converted into electrical power, will render Nova Scotia industrially and commercia'ly impregnable, provided her citizens at last wake up to the potentialities of her tremendous natural resorces, and realize that however brainy they may be, whilst they are inferiorly ed- gested by miners themselves, and seems to be the best cated, they will occupy an inferior plane in the society regulation to insure the keeping open of mineral lands of the nations and states that compose modern indust- for the prospector to work in, and obtain for him the rial society.

One cannot help being struck with the small number of electrical accidents, considering the extent of the applications of electricity in mining, but examining the circumstances from another point of view, it is apparent that a large proportion of the comparatively few accidents that do occur would be prevented by a closer observance of the special rules issued for this particular purpose. That these rules are valuable in preventing risks that might otherwise be present, is vouched for by more than one inspector of mines. hand, pure carelessness has been responsible for a num-On the other ber of accidents, while there have also been some cases in which what might at first sight appear to be carelessness might more accurately be ascribed to ignorance of the danger caused by lack of familiarity with the application of electricity. Improvement may be anticipated in this direction, however, for the inspector emphasises how quietly persons in charge of electrical machinery have been able to grasp its details and its dangers, and have learned to handle it with absolute safety. Taken all round the record is highly creditable, and when reading the collected accounts of such few electrical accidents which have occured in the hundreds of collieries where electricity plays a part, one must not forget the other side of the account-namely, the number of cases in which possible risk of accident has been

An explanation of the manner in which a soft steel disc, revolving at a high velocity, cuts hard steel has been sought with the aid of a microscopic inspector. The result corroberates the theory that the material acted upon is heated at the place of contact to the fusing point and then brushed away. The high temperature appears to be confined very narrowly to the point of contact, so that a thin gash is cut. The temperature of the revolving disc does not rise so high because of the large surface area of the disc. The part of the disc in contact is continually changing, while the metional energy is concentrated on a very small area of the material subjected to its action.

Direct-acting steam pumps, both single and duplex. are extravagant in the consumption of fuel even under the best of conditions, and are liable to great additional losses from the use of leaky steam valves and pistons. Careful tests, under favourable conditions, and the data obtained from actual practice, shows the following consumption of steam or fuel per horse power per hour; Triplex power pumps require 11 to 5 lb. of coal per horse power per hour; small steam pumps 25 lb.; large will arise from the ashes of the past, and Basa River, steam pumps, compounded, 13 lb; pulsometer pumps, 60 to 70lb.; injectors and inspirators, 100lb. per horse-

> A little consideration would probably satisfy any person that the principle of discovery properly worked out, is the most satisfactory rule yet discovered for the development of the mining industry, and for the praper protection of the prospectors in it. It is one of the oldest principles in mining law, it is a device sugresult of his labour.

MARITIME MINING RECORD.

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R. DRUMMOND. PUBLISHER.

STELLARTON. N. S.

RECIPROCITY.

The following extracts from a letter to the Montreal Star should be carefully considered by the Free Coal League. It was suggested some time ago that this one man machine was worked solely in the interests of the railways, and that day soon it is to be hoped will be as wide awake any seeming interest taken in the general coal as some other countries. consuming public, was merely a sort of side show. According to the Star writer the railways are the last people who should cry for cheap and free coal. So they are. They have got a great deal porations to be like the man in the story who ernment to developing the mineral resources of having had his own debt cancelled, went out and the Dominion. Under the direction of Dr Bell

"Apart from any question as to the wisdom of removing the tariff protection from our coal inbors; aside from the consideration of imperilling an industry which is the chief source of government revenue in Nova Scotia; without discussing the advisability of giving up the development of Canadian coal fields, can Canada afford to lose the The coal duties now amount to nearly revenue? anthracite (the removal of which has proved of no benefit to the consumer) were restored. have no certainty that the removal of the duty on soft coal would lessen the price to the people of Canada, or do other than substitue United States fuel for the Canadian in the St. Lawrence trade, Who are now the principal payers of the coal duty

in Canada? The railways. Can it be truthfully said that the railways are unable to afford to pay this contribution to the national revenue, and need further sacrifice at the hands of the Canadian people? They are now aided beyond all other enterprises. They have received generous assistance from municipalities, shareholders who already receive a splendid re- ian Government removing its duty on coal inturn on their investments? Will not the already ports from this country."

overtaxed public have to make up the loss of revenue by paying increased duties on other com-

Uanada has given generous treatment to its two great transcontinental railways and needs every dollar of her present revenue to meet the consequent liabilities incurred. This is a further reason why the invitation of our American neighbors, should be given very careful consideration before we put coal on the free list We must be careful not to permit parliament to have forced upon it, for the benefit of the few, a charge which would give an added burden to the many who have already contributed too heavily for the benefit of our railways.

The RECORD is pleased to notice that the Government introduced a bill toward the close of the session, to give them power to assist cross cutting in gold mines as well as in the sinking of shafts. In doing this the Government is doing well, and following, though in the wake of other countries. Nova Scotia is beginning to wake up, and some vanced, so far as assistance to mineral development goes, to the point New Zealand has, as will be seen from the following, taken from a British

paper: "Special attention is being devoted by the Gov-Under the direction of Dr Bell furiously demanded payment from a few unlucky the Dominion Geologist, who came from Canada souls who unfortunately owed him. The more a comprehensive survey is being made of the souls who unfortunately owed him. The more a comprehensive survey is being made of the they get the more they want and the less they whole country. An elaborate and illustrated report is being prepared of each section, giving not only an account of the geological features and indications as to what minerals may be sought dustries at the invitation of our republican neigh- for with advantage, but also a description of the flora, vegetation, and general physiography. When completed these reports will form a val-uable account of the physical geography of the Dominion. The Government are now following up this work in a practical way by sending out small parties of experienced miners to prospect three and three-quarter million of dollars and thoroughly localities indicated by the geologist could easily be made five millions, if the duty on as likely goldfields. The object is to discover three and three-quarter millions, if the duty on as likely goldfields. The object is to discover could easily be made five millions, if the duty on as likely goldfields. The object is to discover anthracite (the removal of which has proved of new goldfields, and to prospect districts where gold has already been found.

The following is from the Coal Trade Journal. Mr. Finn perhaps exaggerates just a little when he says that the suggested increase on duty on slack would place a burden of 'several' hundred thousand dollars a year on New England consumers. It might increase their burdens by two hundred thousand dollars, which no doubt is an item:

"George H. Finn vice-president of the New England Gas & Coke Co., speaking of the proposition to place a duty of 45 cents a ton on imports of slack, as a recompense for lowering the present provinces and the federal treasury. They have due on coarse Bituminous coal to that figure, is been given magnificent donations from the public quoted as saying that the charge would place an been given magnineers donations from the public quoted as saying that the charge would place an donain. They have prospered during the past additional burden of several hundred thousand quarter of a century beyond the dreams of the dollars a year upon New England consumers usmost sanguine. If they were relieved of the coal ing Nova Scotia slack. He stated further that a duty, would they reduce their rates, or would the reciprocal clause would probably never be availed anyound saved find its way into the realects of the of the save is little likely the save and the save of the save and the save in the save of th amount saved find its way into the pockets of the of, because there is little likelihood of the Canad-

- Rubs by Rambler.

Our old friend "Probus' of the Herald, who has not been with us for many months, having gone into more lucrative employment than that of journalism, is once again to the fore. time he calls upon the workingmen not to nominate candidates from among themselves etc, but to step in and oust the capitalists. Splendid idea. I. like Probus, go heartily in for the abolition of the workingman, and like him would transpose or transfer, him into a capitalist. The idea seems new to 'Probus' whereas I have been an advocate of such a plan for over a quarter of a Why should our workingmen not become capitalists? It may be that all cannot ac-cumulate capital, but fifty per cent. of them could if so minded. I thought Probus was a socialist, I am glad to think he is not an 'out and outer.'
Socialists of this class do not desire to see the workingmen accumulate capital by the exercise of thrift etc. The occupation of the talkers a-mong them, they surmise, will be gone the day the workingmen make resolve to make a nest egg and add to it. We have socialists of this kind at Sydney Mines, at Glace Bay, and Springhill; great talkers, little doers. These are the Pharisees of the workingmen. They put on long faces, use long words, make broad their philactories, all on behalf of the workingmen, while they will not, if they could, give him a five dollar note to help him they could, give thin a new dollar note to help thin out of a hole. They are a miserable lot. 'Probus' however is not one of them for he advocates workingmen becoming capitalists. This they can only do by fostering habits of thrift, and thrift is scouted by socialists of the Sydney Mines order. But still Probus has not the full root of the matter in him. He is opposed in a way to the 'assist-His panacea is coing' of new industries. Co-operative societies as a rule operation. There is of course an excepare not producers. tion to the rule in Britain, where the wholesale co-operative societies are producers and are doing well. What after all is co-operation. In order to form a co-operative society it is necessary to have a number of capitalists, small capitalists it may be yet nevertheless to be called by that name. Is Probus of the opinion that all workingmen have sufficient capital to become co-operators. That is not so. If it is not so will Probus be good enough to say what is to be done with the remainder, the vast, I fear, majority. Will not still industries old and new be required in order to give these employment. I believe in co-operation, but I do not believe that it is a panacea that will work a miracle, or that will render unnecessary a continuance of the system under which large industries are carried on.

The Nova Scotia Technical College will, it is expected, be ready for occupancy in August. A prospectus giving information as to the courses to be taught and the fees to be charged has been Scotia wonders if it can be really true that Mr.

house which will furnish a good plant for efficiency tests in mechanical and electrical engineer-There will be a machine shop, and a number of, not less than five, laboratories. The college is in affiliation with Acadia, Dalhousie, Kings, Mt. Allison, and St. Francis Zavier's universities will grant Bachelor of Science degrees, and also certificates to those who show proficiency in one or more classes, who have not taken the full course. The tuition for instruction in any regular department of engineering shall be \$75.00. gular department of engineering snall be \$45.00.

To those attending special classes the fee for a single course for a half year shall be \$7.50 and for a year \$12.00. There is a free scholarship of the value of \$75.00 for each of the eighteen counties of Nova Scotia except the counties of Halifax and Cape Breton, for which there are two free scholarships each. The college should be a success.

I think it is safe to say that the majority of the people of the province are satisfied with the findings of the majority in the Conciliation Board called for the purpose of determining points at 1ssue between the Dominion Coal Company and certain of their employees who joined a foreign society. The main point in the Board's finding is that which justifies the Coal company in refusing to recognize the alien society. The Board evidently is of opinion, though it does not say so in so many words, that the less Nova Scotia workmen have to do with a society, having its headquarters in a foreign land, and whose officers are clothed with arbitrary powers, the better for the workmen, for their employers, and for the province generally. Of late things have been going in the way of the P. W. A., and if the officers of that society display vigilance, tact and courage, there is no reason why the U. M. W. should not, in a short time, cease to be a menace.

The minority report signed by D. McDougall, the mens representative, holds that there was the most violent sort of discrimination on the part of the Coal company, a discrimination wholly unjustfied. Mr. McDougall in his report lays emphasis on one or two points. He asserts that the U.M. W. is not a foreign but an international union.
No doubt the U. M. W. would like to be held as such. The point is easy of settlement. The quesition I would ask is: "What is the society's name?"
It is not merely the United Mine Workers but the
United Mine Workers of America, and that word 'America' fixes the point that it is metropolitan and not cosmopolitan. As well say that the Sons of Scotland or Sons of England are international in their aims. They are not for they cater only to men of one nation or their descendants. The International Peace Congress would have no meaning if it was termed the International Peace Congress of Germany or of England. The moment it set itself down as claiming to being national it forfeited all claim to being international. Andso with the U. M. Ws'. So long as that society is 'of America' so long is it ludicrous for it to put forth the claim to be international.

The head of one of the larger collieries in Nova issued. The college will have a central power Dick, before the Conciliation Board really said ence said he "always sold more coal than the col- with him. Mr. Bonsfield is not to be believed ence said he "always sold more coal than the col- with him. Mr. Bonsfield is not to be believed elieries can ship in the open season." The opera- when he makes the statement that he is not here terries can sup in the open season. The opera- when he makes the statement that he is not here to referred to thinks this is a rather curious to make trouble. Why, that is the one and the statement, and asks: "If more coal is sold than only purpose of his visit. can be delivered in the open season how is it with the buyers. Presumably they can only secure coal, economically in the open season and if they the buyers. do not get it then what becomes of tnem?" And: 'Do the disappointed buyers still keep giving or-ders to his company,' And: 'What is the object in selling more. The main question of the oper-'If more is being sold than can be supplied, how is it that all the timr still more is atpued, now is it that all the timr still more is at-tempted to be sold; what necessity to enter fields already occupied. Our reply is that Mr. McDoug-all has not properly interpreted Mr. Dick's re-marks. The probable explanation is that Mr. Dick said he could, not that he did, sell more coal than the collieries could supply in the open season. At this time we wish it could be said that all the collieries could sell as much as they can produce. The fact is that up to this moment more than one company is perturbed about its summer ship-ments. The companies in Cape Breton County may be at ease; those in the other counties have considerable misgivings. It is to be hoped that prospects will brighten a bit before the open season begins.

I did not notice that it was pleaded, before the Conciliation Board, by the Dominion Coal Co., that the U. M. W's, not being recognized by the operators in the Anthracite regions of the United States, could scarcely expect to be recognized in Nova Scotia, which is not their home. late conference between the Anthracite mine owners and Mine Workers, the latter headed by President Lewis withdrew their original demands one by one until only one was left, namely that the U.M.W. leaders be permitted to sign the contracts as officials of the Union. They were willing to surrender anything and everything if only the employers would recognize them And this the operators would not do, insisting that Mr, Lewis and his colleagues would be recognized as delegates only authorized to negotiate by a con-And yet siderable number of the mine workers. while the U. M. W's. are not recognized in the Anthracite districts of the U.S., the leaders of the U. M. W's. in Nova Scotia are making a terrible outery because Gen'l. Manager Duggan will not do what the U. S. operators refused to do. would be certainly a matter for surprise if not for ridicule if the Dominion Coal Co. would recognize a foreign order which is not recognized in its very own home. Does the U.M.W think that the Dom. Coal Co. has a softer back bone than the companies in Pa. Does it think that while it cannot bluff in its own birthplace, it can do so in Nova Scotia. Folks will be surprised if it can.

Mr. Bonsfield, of the U. M. W., is telling the C. B. papers that he is not there to create any trouble or discord between the Coal Company and their men, but wishes rather to avoid any trouble, if possible. Well, it is quite possible for Mr. Bons-There is an easy field to avoid making trouble,

what he is credited by Mr. McDougall with saying, way out. Let him go back whence he came and According to Mr. McDougall, Mr. Dick in his evidtake that alleged \$20,000 which he put in the bank

The Sydney Post is holding special services, over the Dominion Coal Co, and the U. M. W. The main petition in its prayer is that the two parties come together again and patch up a peace. Post says surely in this twentieth century labor and capital can come together. Our contemporand capital can come together. Our contempor-ary wholly misses the point. The company is not antagonistic to labor. It has recognized labor for years, and that after a big hearted and broad minded way not common to other countries. It has recognized the P. W. A. to the extent of col-lecting the dues from its members. That surely is a broad recognition. In the U. S. the compan-ies wont recognize the U. M. W. not to speak of collecting the dues. The point is "Shall the Dom. Coal Co. be forced to recognize two unions of the same classes of workmen." Should it be obliged to do so, would it not be of a surety between the devil and the deep sea Would it not be exposing itself to perpetual and perplexing demands. If the U. M. W. should demand and secure some concession for its members, then the P. W. A., in duty bound, would have to go one better, in order to maintain its prestage, and ask for something bigger than had been granted its opponents And so it would go on. The company durst not recognize two such unions as the P. W. A. and the U. M. W. The company is justified in refusing re-cognition even if the result be a strike. The company may as well face the music and have it out now, as at any other time. Better a decisive engagement than harassing, indecisive, guerrilla warfare.

An argument in favor of a state owned and operated coal mine in Nova Scotia is that in countries where there are state owned mines the price of coal is cheap. There are no state owned mines in the United States and yet coal is fifty per cent. cheaper in that country than in any other country where the state tries its hand at mining. We are told that the action of the New Zealand government greatly reduced the cost of coal to the consumer. The effect of the operation of the coal mines in that country was not appreciable. Other causes tended to cheapen coal of late years. In their experimental stages most articles cost more to produce than when plans are mastered and systemed perfected. There are no state operated iron ore mines or blast furnaces in the United States, no State competition forcing to a reduction in prices, and yet to day iron rails are about a sixth of the price they were in the experimental stages. So recently as 1881 rails cost \$61.00 per ton in the U.S. now the price is \$28.00. As regards the price of coal Nova Scotia stands in a most favorable position. The only other country in the world where coal is sold at as reasonable rates is the United States. Nova Scotia ought to become a great manufacturing province. We have cheaper coal than in Germany, which of late years has shot to the front, and taken a leading place in manuTHE LABOR PARTY SPLIT

As for the Independent Labor party, it forms the still its most conspicuous member. The Independent shaw and James Knowles on behalf of the employees. Labor party consists entirely of Socialists, but in con junction with the Fabians and the chief trade union organizations it helped in 1900 to form the Labor Representation Committee, now known as the Labor Of this larger organization it is the distinct driving force. It made attempts on several occasions to have included in the constitution of the Labor party a definite statement of Socialistic aim, but was invar-Tably defeated on grounds of policy until the Eighth have their local grievances adjusted, by a local com-Annual Confederence at Hull in January, last year. At that Conference, however, the following resolution was carried by 514,000 to 469,000 votes :- "That in the opinion of this conference the time has now arrived when the Labor party should have as a definite object the Socialization of the means of production, distri- Board-Glace Bay Gazette. bution, and exchange, to be controlled by a Democratic state in the interest of the entire community; and the complete emancipation of labor from the domination of capitalism and landlordism, with the establish- the exception in Britain at the present time. In some ment of social and economic equality between the Following this in October of last year, the a day. British Labor party became affiliated with the Inter- in the North of England amount to nearly twenty per national Socialist Congress. This surrender of the trades union movement to Socialism might have been at the collieries in Nova Scotia for which we should be the Socialistic theorists. It seems on the contrary to to make trouble not knowing when they are well off. have aroused the organized labor leaders to a declaration of revolt against any supposed intellectual tute-

A committee of the U. M. W. recently waited upon the management of the Nova Scotia Steel & Coal Co. in regard to the closed lamp question, and were informed that the P. W. A. had taken this question up with the company, and that in due course that body would be notified of the company's decision in the matter. The company will not consider recognition of more than the one union. It is generally understood that the labor department at Ottawa have been notified simultaneously with the application for a board of conciliation that negotations are pending between the P. and that it is scarcely probable that the department of ined. labor will cede to the request for a conciliation board to deal alone with the question of recognition.

Mining is a dangerous occupation. Accidents at mines will always occur and the number will be in direct proportion to the care taken to prevent them, not only on the part of the employers but of the em-ployees as well. The Mining Act has been enacted with the purpose of lessening accidents or at least minwith the purpose of lessening accidents or at least min-imizing the dangers of their occurrence, and of thus grievance on their part. The Board points out protecting employers as well as the men; and while the Act way have its defects wat on the whole the adthe Act may have its defects, yet on the whole the advantages of its provisions will depend upon the en-

The application for a board of conciliation to adjust some matters of a local nature between the United Mine Workers' employees of the Nova Scotia Steel principal wing of the Labor party, but has a seperate & Coal Company at Sydney Mines and the company organization. It was established at Bradford in 1893, is being forwarded to the department of labor at Otand its first president was Mr. Keir Hardie, who is tawa to-day. The application is signed by Joseph Bel-

The application is made on the grounds first that an increase of wages be given the contract men, or those paid by the ton, for being compelled to work with safety lamps, which the men claim lessen their earning capacity; second, that the men employed in No. 3 colliery are not afforded all the privileges accorded other workmen, presumably because they are members of the United Mine workers. They cannot mittee, as the company refuses to recognize their union, or to do business with them as an organization.

The application also states that failing an adjustment, a strike has been authorized by the union, this being one of the requisites of an application for a

Reductions of miners wages are the rule and not parts the wages for miners are as low as five shillings Within the past fifteen months the reductions cent. During that time there has been no reduction

Take off the American and Canadian duties on coal, and then Nova Scotia will have in the New England States a market, so we are told, for millions upon millions of tons. How credulous some people are, or how deceitful. At the present time West Virginia coal is selling f. o. b. Boston, at \$2,30 a ton and in cars at \$3,00. How much money would there be in the New England trade for the Nova Scotia operators at that price. They could not look at it. West Virginia coal, for the time being at any rate, has forced Pennsylvania and Ohio coal out of the Boston market. If West Virginia can drive two neighboring states to the wall, so far as coal shipments are concerned, is it likely she would stand bye and allow Nova Scotia W. A. and the company respecting the lamp difficulty, to enter and hold the field. It is not to be imag-

The Board finds that they are justified under the special conditions prevailing in Nova Scotia, in not formally recognizing the U. M. W., inasmuch as it is a foreign organization, having its headquarters and chief executive in Indianapolis, and having in its constitution a clause empowering its executive to proclaim a sympathetic strike, whereby all members of its union in Nova Scotia fact that serious inroads are being made into the reement of the spirit of the Act rather than of the this market is the chief market for the Dominion St. Lawrence market by American operators and Coal Co.

AROUND THE COLLIERIES.

There are rumors of a change in the staff of the Port Hood Coal Co., but they lack confirmation.

During the first three months of the year on y 76,000 tons of Nova Scotia coal were received at Boston, against 142,000 for the corresponding period last year.

The labor differences at Port Hood have been adjusted to the satisfaction of all parties. expected to be run to its full capacity during the ensueing season.

What would have happened had arbitrator Mc-Dougall, president of the District U. M. W. not sent in a minority report. Would his ordinary every day occupation have been gone?

Up till the middle of the month the Inverness Ry. & Coal Co. had only engaged one large steamer for its Quebec trade. With the aid of the smaller steamers the company will still have shipping for 30,000 tons a month.

It is said that the Burrell Johnson Co. of Yarmouth, who at the time of the fire were building a steamer for the Federal Government, contemplate, when rebuilding, to make arrangements for carrying on shipbuilding on a large scale.

Over 125,000 tons of bituminous coal and dust were imported from the United States to Quebec in the five months Oct.—Feb. inclusive. The quantity imported in the five months into the lower provinces, anthracite and bituminous was 437,000 tons.

of bituminous coal. Two lots of Pocohontas of 10,000 tons each were offered at \$3,22 and at \$3,28 delivered in the bins. And this is the market that the Free Coal League thinks should lure Nova Scotia operators,

Examinations of candidates for mine managers, underground managers, overmen, and engineers will be of what it was a new years ago. But the government held at Mabou, Sydney, Stellarton, and Springhill on have a hand in reducing the rate? Transportation rates the lat. of June next. Testimonials are to be forward in New Zealand as in all other countries have undered to the Deputy Commissioner by the 2nd. May. gone wonderful changes. Candidates will require to hustle.

bank for strike purposes. It is not said whether it was in American eagles or greenbacks or whether the two gentlemen brought it in belts, fastened round their wastes, or had it in their stockings.

There are reports of more ands of tungstein. party searching among the old dump of a gold mine found specimens of the valuable metal which leads to the belief that the metal has frequently been met with and being unrecognized as of value dumped on the heap. It is said the metal has been found in regular vein in Antigonish County.

One of the best written and well informed articles on the Nova Scotia Coal trade, which we have read for a long time appeared in the London Times from the pen of Mr. Willison of the Toronto News. The article was lucid, calm, and dispassionate, and, to those not familiar with conditions here, informative.

The government estimate to get a royalty from minerals this year of \$640,000 The first six months of the fiscal year are past; the second six months are entered upon with a very big handicap.

The Joggins is working fairly steady. As will be seen from advertisement the Maritime Cost Ry. & It is said fair Power Co. is calling for more miners. wages are now being made at the Joggins.

Mr. F. W. Gray's—of the Dom. Coal Co. staff—articles on the Dom. Coal Co. have been reprinted and put in book form. The book contains 128 pages, There are numerous illustrations, and the letter press is clear. The booklet should prove of interest to coal miners.

The Dominion (gold) Mining Co , Tangier are evidently bent on doing a big business shortly eighty tons of machinery were shipped to their mine recently, which looks as if big development work is to be done. The company has decided to install an electrical plant. It is fully expected that in a short time the unine will be a large producer. The shaft at the mine mine will be a large producer. is 400 feet deep.

One signing himself "Farmer" (?) writing on "coal prices' etc, in the Halifax Herald, concludes his latest, and his lamest, epistle by stating that having "the great and his lamest, episue by stating that having "the great family and religious journal "The Farm and Home" and the "Home Companion," he has all the reading matter he can attend to. This is certainly frank, but the telling was scarcely necessary, as any one taking the trouble to read his letters would at once conclude from The city of Boston asked bids for some 30,000 tons the simplicity they displayed that his reading was neith-

A writer in the Herald makes the laughable statement that the two state owned mines in New Zealand were the means of reducing the price of coal by half. Were the means of readering the Nova Scotia is a third The freight of coal to Boston from Nova Scotia is a third of what it was a few years ago. Did the government of what it was a rew years ago. Did the government have a hand in reducing the rate? Transportation rates of what it was a few years ago.

Notwithstanding the appeals of sundry correspon-The U. M. W's are great bluffers. It is hinted that dents of the Halifax Herald it is not thought that the Patterson & Bonsfield have deposited \$20,000 in the local government contemplate, at any early date, trying fit in quietly drawing a royalty than there is in going into the hazardous occupation of mining. No figures have been forthcoming to warrant entering upon mining with the certainty of financial success.

Alarmist stories of a strike at the Dominion Coal Coy's collieries, have been current for the past ten days. It is possible that some hot headed of the U.
M. W. may come out, but if the P. W. A. members
continue at work, and they will do so if they are made of anything like the real stuff, there will be no strike. The public have no correct means of judging the relative strength of the two orders in Cape Breton. If as Mr. Moffatt hints the P. W. A. has in its lodges nearly 5000 members, there is no possibility of a successful strike on the part of the U. M. W's.

AROUND THE COLLIERIES.

Work is fair at the Drummond Colliery and the prospects are not at all discouraging. The steamer chartered by the company to take coal to Montreal is expected to load this week. The Intercolonial will

head quarters in New Glasgow, may supply a long felt want. The company it is understood will do development work on properties where finds of miner-

The United States coal mines are, comparatively, shallow, and on that account, for one reason, are more cheaply worked. There are only two mines appraching a depth of a thousand feet. In Nova Scotia the depth of the Drummond, the perpendicular depth, is 2000 feet, the Allan Shafts are over 1200, and the mines at Springhill are about 1500, if not over.

The Legislative Council has wisely amended Chapter 104, Revised Statutes, 1900 "Of the payment of medical attendance by employees for companies". This Act has undergone several amendments to satisfy the whims of certain folks with small axes to grind. As the law stood any practitioner could demand from the employers a list of the names of all their employees. This of course was never intended. The Act as introduced in, and passed by the House of Assembly made matters The Legislative Council made an almost new bill and gives the right to demand a list to a medical practitioner who has been accepted by the workmen or portion of them, and the list is not to be of all the emplopees but only of those signing for him.

The following is a portion of the letter sent Ly Gen'l Manager Duggan to the warden of Cape Breton Co., asking for the appointment of 625 constables to be ready for a strike

"Referring to the recent award of the board of conciliation, called at the instance of the United Mine Workers of America, and the threatened strike of our workmen belonging to the order, certain persons from the United States are now in the town of Glace Bay. It is common knowledge that these agitators have brought with them a considerable amount of money (\$20,000) from the United States, which they state is an evidence of their intention to support the men in the event of a strike, and they, together with local officers of the United Mine Workers of America, are apparently en-deavoring to persuade the men to disregard the award of the board and to strike. Should they be successful in declaring a strike, it is the intention of this company to endeavor to work its mines and to demand from the civil authorities protection for its property and for the men willing to continue work. The lodges of the association known as the Provincial Workmen's association have passed resolutions announcing their intention of continuing work, and a large number of workmen, not members of any association, have also stated that they will be willing to work if afforded proper protection."

Some two or three years ago at the request of the N. S. Mining Society the government got an expert named Ricard to examine and report on the gold fields of N. S. The report was never published. Objection was send a little more coal to Montreal this year than last, taken to the report on the ground that Mr. Ricard

The Maritime Exploration Co. a new concern with could not intelligently report on ground which he had covered with a hop step and jump. It has come to Mr. Ricards ears that someones have been finding fault with velopment work on properties where finds of minerals have been made, and act as intermediaries in the sale of such if exploration turns out satisfactory.

In separation and so ne writes to a Canadian paper determined in it. Mr. Ricard's report, in short, is not to bank on big gold mining operations in N. S. Time will tell whether Mr. Ricard is right or wrong. There will be written and the same of th something known definitely as to what Nova Scotia can show within the next three years.

> At this date the Nova Scotia Steel and Coal Co'y, have at least 120,000 tons of coal banked at its several collieries, and this quantity is ample to supply of its steel plant for fully eighteen months so that in the event of the miners being called out at these collieries the steel plant can still be operated to its full capacity for a year and a half. Should a strike not materalize at present and the U. M. W. campaign be for the next few months confined to peaceful methods, the company can quite readily fill its St Lawrence contracts from its daily outputs and maintain its banked coal in case of imergency, or for the use of its sfeel plant should a strike be called at any time during the season. future can alone determine what effect the condition at Sydney Mines will have on the general situation in the Cape Breton coal district.—Sydney Post, April 26.

Two cases were tried last week in Sydney before Justice Longley. One was at the instance of a member Justice Longiey. One was at the instance of a memoer of the U. M. W. named Sutherland, who sought to have it declared that the Grand Council P. W. A. meeting held at Halifax, last fall, was illegal. The judge took the case 'avizandum.' The other was by the officers of the D. W. Hallenberg and C. Hal the P. W. A. against an Irishman, named Gallagher, who happened to be Secretary or Secy-Treasurer or Treasurer of Drummond Lodge at Sydney Mines, during the fracas between the P. W. A. men and the U. M. W's. Gallagher was a perfervid lover of the foreign order and in his zeal on its behalf held the books of the lodge and refused to give them up. The U. M.W's with that sagacity which characterizes their actions in financial affairs wished to disrupt the P. W. A. and 'divvy up' the fund. Before they could do so they were restrained. And row by the order of the judge the books and all other belongings of Drummond Lodge have to be restored to their rightful owners, the P. W. Those conversant with well managed societies, and their affairs, never looked for any other decision than that given. In some parts of Britain or Ireland where unions are not subject to law, members of trades union societies, may, when the notion strikes them, kick up high jinks with the funds and paraphernalia, generally, of the unions. These strangers will learn by and bye that they cannot do these things in Nova Scotia without being called to account.

22 At a meeting of Unity Lodge, P. W. A. held at Reserve on Saturday night the following resol-was passed:—"Whereas, the members of Unity Lodge have entered into an agreement with the Lodge have entered into an agreement with the Dominion Coal Co. through the conciliation board for a period of two years from January. 1908. "And Whereas, current reports from the U. M. W. tend to ceate the impression of a strike. Be it hereby resolved that Unity Lodge remains true to its obligation and counsels its members to faithfully and honorably carry out said agreement fully and honorably carry out said agreement with Dominion Coal." Signed by Malcolm McNeil Secretary. Similar resolutions were passed by Ironside Lodge at No. 2, and Island Lodge at Secretary. Similar resolutions were passed by Secretary. Similar resolutions were passed by Secretary. Similar resolutions were passed by Secretary. Bridgeport.-Sydney Record.

The U. M. W. followers in Cape Breton use freely the press as a medium for conveying what may be the press as a medium for conveying what that their thoughts and impressions, but which certainly are not facts though they wish the public to accept them as such. For instance it is stated in the press that Messrs Bonsfield and Patterson had left C. B. to visit the Lodges in Westville and Stellarton. It is not known to the residents in either of these towns that the U. M. W. has obtained a footing. There was a report that a lodge had been formed, but there was nothing to it. It is now reported that the gentlemen named will attempt to organize in Westville. That is all the length the foreign society has got as yet. Again it was circulated that Mr. Duggan, the Gen'l Manager of the Dominion Coal Co., would be asked to resign a his conduct of labor matters did not meet the approva ment. Mr. Duggan is too much of a diplomat to tak any important step without the approval of his dir ectors, and the directors have business instinct enoug to satisfy them that if at a crisis, Mr. Duggan took a important step without reference to them, condiions, and his being on the spot, warranted the actio

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Deputy Commissioner Public Works and Mines.

Halke, W. S. Annold Min. 1909.

Deputy Con Halifax, N.S., April 24th. 1909.

Coal Shipments March, 1909 -DOMINION COAL COMPANY, LTD, -

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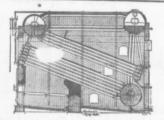
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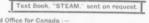
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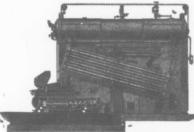
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