

# DOMINION COAL COMPANY, LIMITED

Miners and Shippers of the Celebrated

# "DOMINION STEAM COAL,"

Gas Coal and Coal for Household Use from the well known seams

'Emery,' 'Phalen,' 'Harbour,' 'Victoria' and Hub.'

12 Collieries in Operation.

OUTPUT: 3,500,000 tons Yearly

Used by Railways, Tramways, Steamships, Manufacturers, Water Works, Light and Power Stations in Ontario, Quebec and the Maritime Provinces, also in Newfoundland and the New England States, Mexico, Sweden, South Africa and the West Indies.

Shipping Piers equipped with modern machinery, ensuring Quickest despatch

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Cape Breton Island, Nova Scotia, Canada.

7000 ton Steamers Loaded in 7 hours.



Special facilities for loading and prompt despatch given to sailing vessels and small craft. Box Car Loaders for shipments to inland points. Discharging Plants at Montreal, P. Q., Three Rivers, P. Q., Quebec, St. John, N. B. and Halifax, N. S., Capacity up to 1000 tons per Hour.



BUNKER GOAL. The Dominion Coal Co. has unsurpassed facilities for Bunkering Ocean going steamers the year round. Steamers of any size promptly loaded and bunkered.

IMPROVED SCREENING FACILITIES

at the Collieries for the production of Lump Coal of superior quality for Domestic trade and Household Use.

FOR TERMS, PRICES, ETC., APPLY TO

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Glace Bay, Nova Dila. 112 St. James St., Montreal, P. Q. 171 Lower Water Street, Halifax, N. S. Quebec, P. Q.

AND FROM THE FOLLOWING AGENTS:
R. P. & W. F. Starr, St. John, N. B.
Peak Bros. & Co., Charlottetown, P. E. I.

Harvey & Company, St. John's Nfld, Hull, Blyth & Co, 4 Fenchurch Avu., London, E.C.

G. H. Duggan,

Alexander Dick,

2nd.Vice-President. and Gen'l Manager.

GENERAL OFFICES, GLACE BAY, NOVA SCOTIA, CANADA.

A. B. C. & A. 1 Codes Used.

Telegraphic Address, Latch, Haymills

# LATCH & BATCHELOR, L't'd.

WEBSTER & HORSFALL.

Works: HAYMILLS, BIRMINGHAM, ENGLAND.

AGENT: H. M. WYLDE, -

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## Locked Coil and Flattened Strand WIRE ROPES.

Manufacturers of all Kinds of WIRE ROPES for

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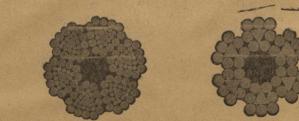
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Lang's Lay or ordinary Patent Flattened Strand Winding or Hauling, Patent Flattened Strand, (non spinning)

DRAWERS OF All Sections STEEL-WIRE.

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# DYNAMITE

Blasting and Sporting Powder, Pellet and Grained Powder for Coal Mining.

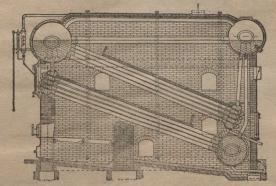
FLAMELESS EXPLOSIVES for GASEOUS MINES, DYNAMITE, for SUBMARINE BLASTING, SUBMARINE FUSES.

Nobel's Explosives Co., Ltd., for the English permitted coal mining brands, "Monobel" & "Saxonite," etc.

Electric Blasting Apparatus, Electric Batteries, Electric Fuses, Insulated Wires, Safety Fuse Detonators, Etc.

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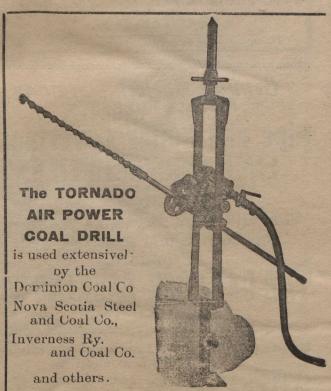


Straight Tubes. Perfect water circulation. Dry or superheated steam.

Half the usual number of handholes

ROBB ENGINEERING COMPANY, L't'd,

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Herzler & Henninger Mach. Works

Manufacturers of

H. & H. Coal Cutters & Tornado Coal Drills
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### Miners Wanted To Chew BULL DOG TOBACCO

Because it is the only Tobacco which does not excite **Thirst** for Water after using TRY IT!

The St. Lawrence Tobacco Co., Ltd.
—Montreal.—
—W. B. Reynolds, Halifax Representative—

### MINING SHOVELS

our 'FENERTY' Brand

COOK'S PAN SHOVELS,

COAL TRIMMERS SHOVELS.

SCRAPER SHOVELS, ETC.

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Che Largest Mines in Canada

MANUFACTURED BY

The HALIFAX SHOVEL Co.

HALIFAX, N. S.

ALL GOODS GUARANTEED.

Genuine Garlock Parkings FOR ALL PURPOSES.

### Pipe and Boiler Coverings, ENGINEERS SUPPLIES.

also

"Tauril" High Pressure Jointing the Best Sheet Packing yet Produced.

## THE GARKOCK PACKING CO.

HAMILTON, ONTARIO.

Used by Collieries in Lancashire, Staffordshire & Yorkshire

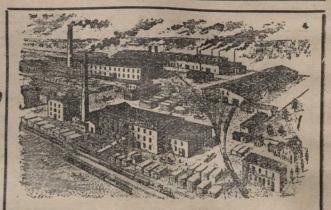
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COLLIERY LAMP OIL

For Marsaut, Muesele Deflector or Closed Lamp.

PURE WHITE FLAME.

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Large Stocks of Foreign and Domestic Lumber on Sale.

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Meals Table d'hote Breakfast 75c. Luncheon 75c.

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Direct connection at Bonaventure, Union Depot with Grand Trunk trains for the West.

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Try our "Gripoly" Solid Woven Belting.

### MONTREAL STEEL WORKS, Limited.

Steel Castings, Forgings, Springs, Frogs, Crossings, Interlocking Plants We make a Specialty of Manganese Steel Castings for MINING PURPOSES.

Point St. Charles, -

Montreal, Canada.

ESTABLISHED 1863.

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Works, South 23rd. 24th, Jane and Mary Streets. Office 2227 Jane Street.

SCREENS, SCREEN BARS, SCREENING PLANTS COMHLETE,

CAR DUMPS, CARS, CAR WHEELS, LARRY WAGGONS, HITCHINGS, ETC. LET US SUBMIT PLANS AND ESTIMATES.

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Coal and Coke Works Equipment.

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Wrought Iron Pipe. Cast Iron Fittings.
Brass and Iron Valves, Steam, Water and Suction Hose,
Metals of all kinds. Boiler Plates and Tubes.
Fire Brick. Portland Cement. Fuse and Detonators.

Nova Scotia Agents for

Allan, Whyte & Company's Wire Ropes. WM. STAIRS, SON & MORROW, LIMITED.

Halifax, Nova Scotia.



# NOVASCOTIA. Mines of Gold, Silver, Coal,

Iron, Copper, Lead, Etc.

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Titles direct from the Crown

At Moderate Royalties.

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## GOLD AND SILVER.

Licenses are issued for prospecting for Gold and Silver for a term of twelve months. They Comprise areas 150 by 250 feet, and any number can be obtained, at a cost of 50 cents per area. Leases of any number of areas can be obtained, at a cost of \$2,00 per area, for a term of 40 years; subject to an annual rental of 50 cents per area.

Licenses are issued to quartz mills, which make returns and pay royalty on the gold at the rate of two per cent, on milled Gold valued at \$19.00 per oz.

# Minerals other than—Gold and Silver.

-LICENSES TO SEARCH-

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

All titles, transfers, etc., are recorded free of charge by the Department. The royalty on ceal is 10 cents per long ton, and on other minerals in proportion

minerals in proportion

The Gold District covers over three thousand square miles, and the deposits of coal iron ore, etc., are practically unlimited.

FOR INFORMATION APPLY TO-

### CHRISTOPHER CHISHOLM

Commissioner of Public Works and Mines Halifax N. S.

### "VITITE"

### COMPRESSED HIGH PRESSURE STEAM PACKING

"Vitite" Packing is a Compressed Asbestos sheeting especially treated. It makes an ideal flange and manhole joint and a trial will be a revelation to you.

"Vitite" Packing resists highest steam pressure and superheated steam, and is unexcelled as a flange packing for Steam, Hydraulic, Gas Engine, Acid, Ammonia and other joints.

" Vitte" Packing insures greatest reliability against pressure and stretching and will not become hard in the joint.

" Viette " Packing is supplied in sheets 48 inches square, 1-32, 1-16 and 1-8 inch thick.

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Valves, Fittings, Packing,

Steam Goods -of every-Description.



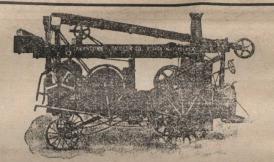
Boiler Tubes. Steel Plates, Angles, Tees, etc. SOLID DIE RIVETS.

Iron Pipe for

Mining Purposes.

-Catalogues and Prices on Application.

MONTREAL, QUE. -Established 1852



### The KEYSTONE

**Percussion Core Drill Attachment** is an economical appliance for TETING COAL LANDS.

It can be used in connection with any good "churn" drill, but operates best on the long-stroke KEYSTONE, thus making the cheapest and quickest method of voring to be found.

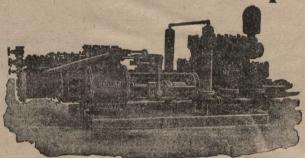
In operation a hole is sunk to the coal with the ordinary Rock Bit. The Bit and Stem are then removed and the Coring Attachment put on in their place. It takes a 4 ft. core out of the Softest as well as the Hardest part of the vein. Avoids all delay and expense of "rods" water wash, diamonds, shot, and heavy operating mechanism.

#### Price of Complete Attachment \$200.00

Catalog No. 2 B. is a book on the subject. We make Water, Oil & Test Well Drillers for all depths and purposes.

Keystone Driller Co. Beaver Falls, Pa.

### Jeanesville Pumps



For MINES, WATER WORKS, SEWAGE, ETC., ETC.

A Reliable, Efficient, and Substantial, Because almost Fifty Years Experience Stands back of Every Machine. Following types for any capacity, any head:

DIRECT ACTING and CRANK and FLY-WHEEL. CENTRIFUGAL PUMPS, VOLUTE or TURBINE. Steam or Electrically Driven

Jeanesville Iron Works Co., HAZLETON. PA., U. S. A.

# ANOTHER GOLD MEDAL,

for excellence of display, awarded to J. W. CUMMING & SON,

New Glasgow, N. S.

-MKE R OF-

"Speedy" Coal ) I ng Machines, "Acme" Rachet Rock Boring Machines, Miners' Tools, Copper Headed Stemmers Copper Pointed Needles, Miners' Picks, auls, Wedges, and other mining appliances.

Quality of material and Excellence of Workmanship

The firm a month or two ago secured an order from the Maritime Coal, Railway & Power Co., Ltd., 200 pit tubs. So highly satisfactory was the work that the first order was, after receipt of the tubs, duplicated.

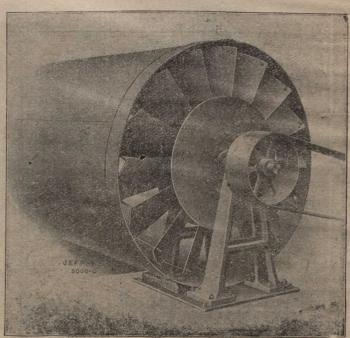
#### JEFFREY PROPELLER FAN for MINE VENTILATION.

This Fan is highly recommended wherever the development does not justify the installation of cur centrifugal fan.

It has no equal for boosting along feeble currents in large operations.

A DISTINCT IMPROVEMENT over The Ordinary Disc Fan.

It is self contained, simple in operation and embodies many new features which are described in our Bulletin Ib 23, mailed on request.



We Build Complete Coal Mine Equipments

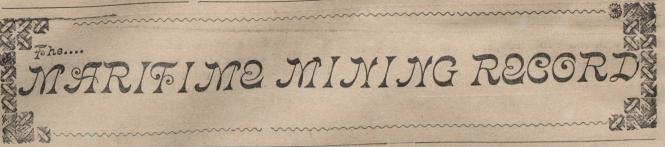
The Jeffrey Nanufacturing Company, Columbus, Chio.

New York. Charleston, W. Va. Chicago. St. Louis.

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Vol. 12, No. 15

Stellarton, N. S.,

FEB. 9 1910.

**New Series** 

#### SELECTED QUESTIONS AND ANSWERS.

(Science and Art of Mining.)

efficiency of ventilation.

A .- The water gauge and anemometer are two of the most valuable instruments used in connection with mining. By their application we can ascertain the instrument is connected to the intake and return air quantity of air passing in a mine or a working place, currents at a stopping. The water which is placed inand the pressure producing the ventilation; they are side the tube is subject to the different pressures and also used in connection with determining the efficiency

one fundamental principle, that is to determine the pres- measured by the sliding scale, each inch of water gauge sure producing the ventilating current. Of the various representing 5.2lb. pressure per square foot producing types the most popular is that constructed of a glass ventilation. tube in the form of a letter U; the diameter of the bore of the tube varies with the size of the instrument. The tilating will be  $2.5 \times 5.2 = 13$ lb. pressure per square toot, tube is fixed vertically on a wooden frame fitted with a spirit level, and one leg of the gauge is covered with a mine the efficiency of the ventilation, let use find the metal cup and perforated to admit the pressure of the horse-power of the ventilation, and then the horse-power atmosphere. The aperture in the other leg is also of the machine producing that ventilation. To accom-covered with a metal cup fitted with a small branch plish this we utilise the anethometer for measuring the pipe to facilitate the connection of the water-gauge be- velocity of the air passing in the mine, and knowing the tween intake and return air currents by passing the pipe area we can find the quantity flowing through the mine through a hole in a masonry stopping or door, or if as by rule. occasion requires it, by passing the branch pipe from the engine house into the fan drift. A scale divided in two ways, namely, efficiency in producing an ade-into inches and teaths of an inch is filled between the quate amount of ventilation or efficiency in the horsevertical tubes and is manipulated by a thumb screw at power of the ventilation as compared with the horsethe bottom of the wood frame so that the adjustment of power of other engines. It is this latter efficiency about the scale can be done with accuracy. One inch on the which the two instruments mentioned can tell us somescale which is equal to one inch water gauge represents thing. As regards the former efficiency, the two instrua pressure of 5.2 perlb. square foot. This is obvious ments, in our opinion, can tell us nothing, except comby taking a cubic foot of water which weighs 62.4b. paratively, that is to say, the anemometer for instance, and dividing it as it were into 12 slabs 1 inch high and may tell us that one day there is a quantity of 20,000 inches area, or 1 inch water-gauge.

portable instrument. vanes to revolve. With the wind wheel revolving a this subject at some length because it is the custom pinion connected to the wheel spindle operates the delic- with some managers to think that with a certain quan-

ately constructed toothed mechanism which in turn actuates the pointers on the dial and so records the velocity of the flows of the air.

A modern type of anemometer is one that has a Q.—Describe briefly the water-gauge and anemo- counting arrangement on a dial registering tens, hundmeter. Show how they are applied to determine the reds, thousands, tens of thousands, hundreds of thousands ands and millions.

To show how the water-gauge may be used to determine the ventilating pressure let us assume that the densities of the two air currents. The result is that the of mechanical ventilators.

The Water-Gauge.—There are various types of ced down and consequently rises in the other tube.

Water-gauges on the market, but all of them work on This difference of level of the water in the two tubes is

Suppose we have a difference of 2,5 inches, the ven-

To show how the instruments may be used to deter-

[Note.-In this question we may read "efficiency" 12 square inches area. Therefore if the weight of a cubic feet per minute going in a district, and another cubic foot of water weighs 62 4lb., 62 4 ÷ 12 will equal day 25,000, but whether either amount is adequate or 5 2lb., the weight of one slab 1 inch high and 12 square not the instrument caunot tell us. The same with the water-gauge. One mine may be, and probably is, bet-The water gauge is both used as a stationary and ter ventilated with a water-gauge of one inch than is another with one of three inches. Take two mines each The Anemometer. - This instrument, like the water- passing 100,000 cnbic feet per minute, the one with a gauge, is constructed by different makers in various three-inch water-gauge and the other with one of one forms, but what-ever form it may be constructed in, it inch. We could not possible say that the former mine can only perform one unction, that is recording the vel- was more efficiently ventilated than the latter, but simocity of the flow air in mines; some have been so ply that the resistance of the former were three times as constructed as to be self-timing. The anemometer is great as those of the latter, and that the horse-power in itself a very delicately constructed fan, and consists required was three times as much. (This is not a misof a series of vanes so set obliquely in the trame which take, as some may think at first sight, because we are encircles them that when the instrument is held square speaking of two different mines, and we are speaking of against the air current the velocity of the air causes the the same quantity in each case). We have dwelt on tity per life, with a certain water-gauge there is perfect and their advisors, in this honest fashion: satety, but in our opinion one mine may be better ventilated with 100 cubic teet per minute per life than is another with 300 cubic feet.

#### CONDENSING.

The principal underlying the action of the condenser is that the steam as it exhausts from the exhaust ports shall be exhausted into a closed vessel within which it is brought into contact with a flow or spray of water which condenses it, thereby producing a vacuum within such vessel. The production of this vacuum does away with the influence of the pressure of the atmosphere; that is the atmospheric pressure, which amounts to over 14.5lb. act against or retard the motion of the piston. In prac- guns of the military and the batons of the police. tice it is found that the vacuum is not perfectly produced, and that a pressure varying from 2 to 4lb. per square inch exists within the condenser, consequently instead of the atmospheric pressure being entirely removed we find that there is a back pressure of from 2 to 4lb. acting against the piston. This reduces somewhat the efficiency of the condenser, and also that of the engine. Owing to the production of this partial vacuum, which instead of 14.5lb. which is the pressure of the atmosphere pressing against the piston, we have what is equivalent to 12.5lb. pressure added to the pressure of the steam at the inlet and of the culinder. the steam at the inlet end of the cylinder.

The best results of condensing are brought about also the steam columns can be made smaller than those required for non-condensing engines; also for a given amount of power less coal will be consumed to produce it than would otherwise be the case-

#### ANOTHER NOTABLE CONVERSION.

The Herald at the penitent bench.

And now the Herald, like the Post, has repented of its evil ways.

One by one the friends of the strikers, never at any time a large number, are forsaking them. The latest to cast them off is the Halifax Herald. It may be that its repentance has come too late; all the harm possible has been done. The Herald asks what has happened since last August, and then rubs it into the strike leaders, the strikers, their abettors in the press,

"What has happened since that time?

"MEN-many of the best citizens of Glace Bay and the best miners in the world-have been living on strike allowances; their manhood impaired by eating bread that they did not earn.

"WOMEN and CHILDREN have had to leave comfortable homes and live in hastily constructed shacks and have experienced indescribable hardships in the winter weather.

"The savings of the workmen gone; business paralyzed; the credit of the mining towns impaired; the police courts busy with charges of intimidation, unlawful assembly, shooting, assaults, and an evident disrespect for law that has produced a painful impression in the public mind.

"The province is weary of having its most importper square inch, is removed and as a result it does not ant industry carried on under the protection of the

> The Herald then proceeds to give what it considers the causes leading to the strike: "The U. M. W. discriminated against; refusal to remedy grievances, and refusal to recognize the U. M. W." A Board of Conciliation said there was no discrimination. The real causes leading to the strike, the Herald better understand once for all, were: 'Refusal to recognize the U. M. W.; refusal to go to Sydney to confer with U M.

The Herald seriously tells us that the demand for when the vacuum produced by the condensation of steam by the water within the condenser is at its maximum; soft the Herald is. Why, recognition was and is the that is about 29 or 30 inches. Anything below 28 inches vacuum should be regarded as unsatisfactory. the press that if the U. M. W. was recognized the other. Mr. W. D. Horsnail asserts that I inch of vacuum er grievances could go to pot. Is the Herald so weak means a saving of 1 per cent. in steam comsumption; as not to perceive that recognition of the representaon this basis we find that for a 28-inch vacuum we have tives of the U. M. W., even though the Yankee agitaa saving of 28 per cent. in steam consumption, and for tors returned home, was simply a recognition of the a 30 inch vacuum a saving of 30 per cent. The benefit U. M. W. The Herald says Mr Plummer has signified of this saving is obvious, for we know that both the his willingness to meet committees of the men and to capital expenditure and running costs of the plant are remove grievances if possible, and asks What more do favourably effected by it. As a result less boilers are the men want'? This is base desertion. What do the required to generate steam, the engine cylinders and men want?; Why, they are standing out for what they came out fer. They want recognition, that is the 'more' they want. The other two points were never denied any of the workmen of the Dominion Coal Co. The Herald now thinks a continuance of the strike We thought its start partook of that character. The Herald caps the climax when it says that President Plummer has positively pledged 'to remove ANY and EVERY grievance.' Before the RECORD will believe that we must have it under the hand and seal of the new president. Of course no such proofs will be forthcoming. To undertake to remedy any and every grievance of some 5,000 or more men, would entail a greater expenditure of nerve and brain power than the management of a half a score of mergers. The Herald is very emphatic; it does not say 'any and every grievance will be heard', no, but that any and every grievance will be remedied. O; You Herald; You gay deceiver. But its all right. You have at last taken a wise stand in advising the men to give up a hopeless fight.

#### MARITIME MINING RECORD.

fourth Wednesday in each month.

Single Copies 5 cents Subscription \$1.00 a year.

#### PUBLISHER. R. DRUMMOND,

STELLARTON. N. S.

FEB. 9

#### \$

THE COMBINES ACT.

McKenzie King's combines act introduced into parliament on the 18th. inst., may be divided into four parts: 1st., interpretation; 2nd., order for investigation; 3rd., inquiry and report, and 4th., punishment. A "combine" means any contract, agreement arrangement, or combination which has, or is designed to have, the effect of increastransportation thereof, or of the restricting comis known as a trust, monopoly or merger."

And here is the punishment for offenders. there not something incongruous in the reference to duties. Does not protection in almost every

case enhance the price to the consumers:

"Whenever it appears to the satisfaction of the Governor in Council that with regard to any article there exists any combine to promote unduly the advantage of the manufacturers or dealers at the expense of the consumers, and if it appears to the Governor in Council that such disbenefit of reasonable competition.

storing or dealing in any article which may be a forcement in Nova Scotia are disgraced. manufacture, purchase, barter, sale, transportation, storage or supply of any such article, and who thereafter continues so to offend, is guilty of an indicable offence and shall be liable to a penal.

ty not exceeding one thousand dollars and costs for each day after the expiration of ten days from The MARITIME MINING RECORD is published the second and Decree the Canada Gazette' during which such

Had the coal operators of Nova Scotia been The RECORD is devoted to the Mining—particularly Coal Mining—Industries of the Maritime Provinces.

The RECORD is devoted to the Mining—particularly Coal Mining—tried under either of the preceding clauses, Mr. Stipendiary Fielding could have dismissed the Case before it had well begun.

### - Rubs by Rambler.

Is the United Mine Workers of America, as a society, responsible for the disorderly and disgraceful scenes which have been witnessed at the Southern Cape Breton collieries, at intervals during the past six or seven months. For the acts of individual members. or for those of a number of its members as iudividuals a society may not be responsible. It is, however, surely responsible when these acts are committed by ining or fixing the price or rental of any article of dividuals as members of a society. Because they were trade or commerce or the cost of the storage or members of the U. M. W. a portion of the workmen struck; the acts of violence done by these strikers are petition in or of controlling the production, man- chargeable to their connection with the foreign society, ufacture, transportation, storage, sale or supply and therefore the society must be held responsible. thereof, and includes the acquisition, leasing or It may be urged that acts of violence are against the otherwise taking over, or obtaining by any per- implied wishes of the leaders. Too thin, too thin. son to the end aforesaid, of any control over or Were the leaders opposed to violence they would take interest in the business, or any portion of the busevery opportunity of denouncing the rioters, they iness, of any other person, and also includes what would express themselves as opposed to all such unruly proceedings as have been witnessed. But this they have not done; instead they have lain back, and by silence not only condoned but approved of the barbarious methods of intimidation that have been employed. Without doubt the society, that is the U. M. W. of America, must be held as abettors of, and responsible for, the discreditable acts of violence and disorder that have prevailed. And public opinion holds them as responsible, and therefore it is that the name, United Mine Workers, has become a byword and a reproach advantage to the consumer is facilitated by the over the length and breadth of the land. It is said duties of customs imposed on the article, or on that the 'dole' received by the strikers is given conany like article, the Governor in Council may dir- tingent on their turning out regularly to do picket ect either that such article be admitted into Can. duty, that is to call scab and throw stones at decent ada free of duty or that the duty thereon be re- men going to or returning from work. If the society duced to such amount or rate as will, in the opin- was averse to unlawful acts, and knowing that its ion of the Governor in Council, give the public the pickets daily commit these acts, it would at once withdraw them, but as we said, it won't do that; violence "Any person reported by a Board to have been is the principal part in the strike programme of the guilty of unduly limiting the facilities for trans- U. M. W. as known in C. B. Are these acts to be perporting, producing, manufacturing, supplying, mitted to continue. If they are then law and its ensubject of trade or commerce; or of unduly re- W. is not incorporated, therefore it cannot be sued, straining or injuring trade or commerce in relat- but surely individual members of it can be effectively ion to any such article; or of unduly preventing, dealt with. In Britain, if a union leader intimidates limiting or lessening the manufacture or produc-tion of any such article; or of unreasonably en-is liable to three months with hard labor. British law hancing the price thereof; or of unduly prevent-should be made applicable to Nova Scotia. There can ing or lessening competition in the production, be no doubt that the officers of the several U M. W.

their right to work. ful. Is it the workman who has to see that law shall ance without air of no little value, be enforced? It is not, that is the duty of the community; in short, and in our opinion, in such circumpolitical effect.

The following on the subject is interesting:

half minutes. The period varies in individuals; but, bearing methods. he adds gaily, 'I have seen some very amusing betting on how long it was possible to hold the breath, and

labor, there is little doubt that the effect would be sal- usual point by two minutes of rapid deep breathing at utary. We are told that the new Attorney General is half hour intervals. The effect on muscular fatigue is a smart young man. There is a splendid field open to also striking. Another curious effect which is perhaps him in his native county, to show the stuff he is made worth mentioning is the rapid lapse of time during the of. The Crown, and not private individuals or corpor- latter half of a hard breathing period. This change in ations, should assume the prosecution of law breakers, the time sense is very noticeable. As a mental stimumore eepecially in districts where breaches of the law lant, and as a means to increase the time during which are persistent and notorious. No one we suppose will the system can do without respiration, violent breathdeny that workmen should and must be protected in ing might find considerable useful application, and dar-The question is who is to pro- ing rescues from suffocation are common enough to tect them? To work is lawful, to intimidate is unlaw- make a knowledge of this possible threefold endur-

The one and the only reason advanced by the U. stances as exist and have existed in C. B. for months, M. W. for encroaching upon ground broken and occupit is the duty of the Attorney General to act, regardied by the Provincial Workingmens Association was less of the consequences. By consequences we mean, that the latter was a very weak body financially, and therefore unable to cope with the powerful coal companies. And this argument, advanced by members of When in Scotland, last summer, the writer witness- the foreign order. has been taken up by, and had the ed some remarkable performances of a couple of girls semi-endorsement of, a portion of the unthinking press, in a large glass tank filled with water. The most re- who, though they cared little in earnest for the work. markable feat was one entitled "praying and sleeping." ingmen, thought they saw a chance to make party cap-The tallest of the girls sank gently to the bottom of ital, out of the intrusion. People with grudges against the tank, stretched herself out at full length, grace- the company and writers who wished to become stars, fully rested her head on her hand, the arm bent at the also put emphasis on the declaration that a society elbow, and peacefully pretended to go to sleep. The with big funds was necessary in the interest of the time she lay under water astonished the onlookors. I mine workers. More than once the RECORD has point. could not understand it. I thought she lay still for ed out that big funds are not the one essential, not evfive minutes, others declared that it was nearer ten, but en a great essential. A union weak in funds, but probably five was nearer the mark. There was anoth- managed in a common sense way may be most success- er thing remarkable about the feat and that was the ful, where a rich union utterly fails. Some unions limability to keep at the bottom of the tank the while ited in their membership and limited as to means have the lungs were inflated with air. I have since solved been immeasurably more successful than a union with the first part of the feat, the length of time under wat a million in its exchequer and four hundred thousand cr. Until one tries he has no conception of the time on its membership roll; and the P. W. A. is an instance he can retain his breath. Breathing exercises will do in point. The other day Pres. Lewis, of the U. M. W. for a diver what training does for a runner As hint-furnished proof of our assertion, that money does not ed at in the following on 'breathing exercises,' it is pos-always count, when he stated that the U. M. W. had sible that in mining disasters much could be done by spent no less a sum than three million dollars in trying men who know the secret of deep breathing. I went to organize the miners in the State of Virginia, and into the breathing business the other night on my own that the expenditure of all this money and of time had After two minutes violent injections and been wholly in vain. When the P. W. A. set out to ejections of air, I held my breath and noted the time, organize the miners in Nova Scotia, the money, all When I was forced to give the final gasp on looking at told, at its command was a hundred dollars. And why the watch I was surprised to find how successful the did the P. W. A. succeed? It took things quietly; experiment was, and had a notion to go into the water made no boasts of its greatness and adopted common tank sleeping business. It is said one can hold his sense methods Mr. Lewis told the convention that breath for four and a half minutes; if that is so I am the three million spent in Virginia had been spent in still in a lower form, I can't go quite half that—as yet. vain; he forgot to tell them that the U. M. W. was spending money like water in Nova Scotia, and that "Breathing exercises are now a matter of faith with after three million dollars had been spent they would so many people that some experimencs on the effects in all human probability be no further ahead than when of them which were made by Dr. D. F. Comstock can- the expenditure first began. It will take nore than not fail to strike a sympathic chord somewhere. He three million dollars to establish the U. M. W's. in the found that enforced deep breathing over a period of good graces of the better thinking miners, and the peofour minutes had the curious effect of enabling the exple of Nova Scotia generally. Three millions will not perimenter to 'hold his breath' for nearly three and a wash out the stain made by their lawleas and over-

"Be not weary in well doing for in due season ye have seen the cock sure better laid low by not know- shall reap if you faint not." That is the injunction, ing of this possible resource of his adversary.' Evid- and through weary months, though our task seemed ently this is a pleasant scientific game for the long hopeless, we kept at it and at last there is reward. By winter evanings, but Dr. Comstock has some more ser- kindly advice tactfully tendered; by gentle remonious observations to offer. The effect of deep breath- strance tenderly administered; by rebuke so mild that ing as a mental stimulant is, he declares, very pro- it might be called pursuasion, we strove mightily to nounced. Fatigue may be postponed far beyond the keep the feet of the Post in the narrow way. In spite sf all it would keep sliding and slipping from the Mr. Murray withinconsistency. I am glad of that. been harsh we might have failed.

P. S.—Since the foregoing was written, it has been cruelly suggested to us that the demand of the Post for speedy punishment on the law breaking strikers, and its support of law and order, was not brought about by our efforts. We are told the 'Merger' did it. Oh, well, we're not selfish; we're glad the Post sees

long closed eyes.

feel highly flattered by being members of that order. They attend the union only when there is a prospect annual report that of all the miners in the anthracite regions, only thirty thousand at present belonged to that great organization. He declared that this very men. Well he need'nt have gone so far into details, it is equally true of every department in life, that if and if indifferent they count for little or nothing, He rather laughable. For all the missionaries, organizers, and walking delegates at his disposal, Pres. Lewis has more work in the home field than he can overtake, It looks like a waste of energy to attempt to draw Nova Scotia into the U. M. W. net.

fective way of settling the differences of opinion path of duty. between the two. Let Mr. Tanner arrange for a series of debates in all the towns and villiages, with a neutral chairman. the chief of police, for ers, or officials, in the West of Scotland, regard-instance, as arbitrer. Mr. Tanner, physically, is less of the harm their candidature might do to

traight course until the tension was so great that we I, too, have been what Tanner would call inconhad almost come to believe that the ties of friendship sistent, and it is nice to have a brother in such adwhich knit us firmly to our Sydney brother must be verse case. Mr. Tanner says in an I-am-certain broken, when all of a sudden the Post pulls itself up. tone, that Murray went to C. B. in 1896 and ad-A sort of instantaneous conversion. It is gratifying to vocated free coal; and that in 1897 he went to the the Record to know that the kindergarten methods it same beloved spot, and waving his arms in that applied to the Post have been successful. Had we majestic way he has, shouted, 'Hands off the coal Now I'm glad that Murray did that, for duty'. did something similar about that time myself. When the Dominion Coal Co. thought it could get the U.S. duty reduced, and under a reduced duty could send millions of tons into the United States, then I went in, like Murray, for free coal. When, however, it turned out that the U.S forces were too strong for Whitney, and that the U.S. the evil of its ways, no matter who or what opened its duty was maintained, I began to veer round to to-let me say, protection. Mind you, protection on coal only. I may have been a little 'flier' than The anthracite members of the U. M. W. do not Murray and did not make an immediate somersault, took things easy and gradually got on the firm ground of 'no reciprocity' Tanner wants to of an agitation for higher wages. The missionaries know whether Murray was right in 1896 or 1897, that are sent into the field cannot prevent hosts from Murray can do as he likes about answering the backsliding. Pres. Lewis of the U. M. W. said in his question, but I'm going to volunteer the opinion that there were those who were perfectly justified in being reciprocicationists-have you got itin 1896, and amply justified in being no intercourlow membership was due to the indifference of the to know by this time, alter cases.

'Windermere' the London correspondent of the men are not enthusiastic in a cause, they are indifferent, Montreal Star is far too much of a tory to be correspondent for a professedly independent paper, said very many of the men refuse to pay their dues ex-cept when trouble is brewing. That too, is the way of ple to believe that it is in any sense independent cept when trouble is brewing. That too, is the way of ple to believe that it is in any sense independent the world; most people when they give something, hope in politics—at least in British politics. In very for something in return. The members of the U. M. many cases it gives plain indication that its wish way he everyweed if they never allow when were gives W. may be excused if they pay only when wage ques- is father to its thought. For instance: After the tions are on foot. The U. M. W's. consider wages the torics had gained a seat in Scotland the Star oracgreat and only question to be discussed in their lodge ulary declared that tariff reform was making inrooms. They do not take hold of other objects which roads into the hitherto unbroken ranks of the Scots. would be of as much benefit to workingmen as an in- Well the Scots at last election did very well for crease in pay. Other unions hold their members in the liberals, but the ranks were not as a unit for peace times by the discussion of eubjects of interest liberalism. In the 1906 election there were fifty-and benefit to them. The pretensions of the U.M. W. nine liberals and thirteen unionists. What great in posing as international union propogandists, the inroads have been made into the ranks at this elwhile they have so small a home membership, are ection? None. Why, it is all the other way. The liberals lost one seat in an out of the way county through landlordism. lost a second through local influence, and a third through a fool of a labor candidate. But then look at its gains, a half dozen or so. Instead of having thirteen from Scotland in this parliament, the unionists will have to be content with a little over half the Mr Chas. E. Tanner takes much delight in number. Scotland did well; it is the mainstay of sending "open" letters to Premier Murray. The the liberal party. Hard headed scotsmen are not word 'open' when used in this connection has a to be caught with the chaff of the peers, the fallmeaning all its own. It means that the letters acies of reform, or the bogie of German battleare not sent to the Premier but to the tory ships. Well may Asquith shont 'Scotland for ever' press. Now it is doubtful if Mr. Murray reads the —and a good word for sturdy little Wales at the tory papers; if he is a narrow minded grit he same time. Bung or bishop, or baronet cannot won't. Mr. Tanner's letters are not the most ef- swerve a scot or a welshman from the straight

Smillie, Small and Sullivan, three miners' leadrather a light man, but his letters run away to their friend, the liberal party, persisted in run-the other extreme. They are heavy reading. I ning, and we are glad to say their persistency notice in a late letter that Mr. Tanner charges was not rewarded. Notwithstanding the three society of railway men was accomplished in a back had six liberals. The unihanded way. A resolution was passed declaring twelve seats in Scotland, that the bead of the society had too much to attend to to sit in parliament. Here is an instance of the consistency of labor. It clamors for representation, and then when a labor man has been time ago, holds out the certainty that "theres a successful in obtaining the title M.P., it knocks good time coming boys". If we are to believe him on the head, the first opportunity.

as rapid as some of those of the Herald. December the Herald was all for labor; by the isons views: the time of the Heralds perversion Blatchford sal military service, and fleets of battleships, are he needs for the purposes of life from the earth, you it was Blatchford who said this; Blatchford a man of the present day with £40,000 annual ining jingoist. Further, last August, this same Mr. groping in the dark, and this despite the many Blatchford said: "A few thousands of rich men learned statements of many learned scientists. own Britain. These same men want conscripts "How ignorant we are! We don't know what own Britain. These same men want conscripts and Dreadnoughts for the defence of the country they own. But when it comes to paying they refuse to pay out of their abundance, and propose little. We are only animals. We are just comas an alternative, a tax upon commodities used ing oot of the dog stage, and getting a glimpse of largely by the poor. If the government yield an our environment. We don't know; we just susinch they deserve to be kicked out." Mr. Blatch- pect a few things, and it will take an enormous ford has therein decreed the punishment that evolution of our brains to bring us anywhere, should be meted out to him. If the government Our practice of shooting one another in war is a yielded they deserved to be kicked; well, they proof that we are still animals. The make-up of yielded they deserved to be kicked; well, they proof that we are still animals. The make-up of did'nt, but Blatchford did. Blatchford then deserves to be kicked, that is his own judgement, declared that the clothes of the future will be so the first every young women will be able to and all the people shout, 'it is just, kick him.'

... It goes very much against the grain of the Montreal Star to admit that the liberals made any gains in the late elections in Scotland. It tells

cornered fight, in the three divisions of Lanark-erals four, leading people to infer that the libershire, the liberals won in each case. We are told, als are now worse off than at the elections in 1906. every now and again, that socialism is winning The opposite is the case. In 1906 there were fifty all along the line. Well, the British elections tell nine liberals and thirteen unionists returned. another tale No pronounced millitant socialist Allowing that the two Scottish universities go has been elected to the present parliament. unionist, and also the Orkneys, that will give el-Grayson, the revolutionist, and men like him, have even unionists and sixty-one liberals as against been left at home. And labor, too, has lost in a thirteen and fifty-nine in 1906. That does not way. Its success in 1906 up till 1909 made it a lit- look like much of a gain for the unionists. Then tle too bumptious. Its leaders predicted that the again the Star makes the gain of liberal votes onforce of labor members would be largely augment- ly two thousand odd whereas it is more than ed, at the next, (the past) election. Instead it is twice that, and if we add the labor vote in three fewer in numbers, and it is minus, at least, a cornered constituencies, the liberal gain is well couple of its most reliable men. Wm. Crooks fail- over ten thousand. Scotland is the gem in the ed to secure the necessary number of votes, and liberal crown, and is the only division of the Bell, rather than swallow the socialist programme, Kingdom which showed that it could not be resigned. Mr. Bell had done a great deal for the drawn away from common sense by Blatchford railway men, but all the benefits he had secured or other bogies. In the great industrial districts were forgotten, when he dared to assert his opin- like Partick, Govan, etc., the progressive party ions. He was the right sort of a leader; he was made wonderful gains, and went behind in little conscientious, and rather than sacrifice his prin- laird ridden districts such as Kircudbrightshire, ciples, at the demand of the noisy element in the Buteshire, and East Perth, Had it not been for ciples. at the demand of the noisy element in the Buttes.

ranks, he resigned. His resignation from the a three cornered fight Glasgow would have now ranks, he resigned was accomplished in a back had six liberals. The unionists thought to gain twelve seats in Scotland, did they; that shows

Russell, in one ot his songs, so popular a long that wizard Edison the time is approaching fast. And iu view of the remarkable advances in all the Blatchfords perversion was nearly, not quite, sciences during the past quarter of a century, why Last should we not believe him. Here are some of Ed-

middle of January it was all for the Lords. Last
August Blatchford was death on the Lords, about

"Mr. T. A. Edison, (says the New York correspondent of the 'Daily Telegraph') has been expressing oracular views, reminiscent of Mother Shipton, and predicting that within two hundred perverted too and clinked glasses with their lord. Shipton, and predicting that within two hundred ships. Here's what Blatchford said last August: years the world will witness wonders surpassing "These same noblemen who have been fulminat. all imogination, when man, who will by means of ing patriotism, who have been demanding univer- science have learnt how to extract all the power now convulsed with rage over the prospect of a wind, and tide, and when living will be so cheap land tax of one halfpenny on the pound. Mind that an ordinary labourer will live just as well as the greatly beloved of Socialists, the same Blatch- come. Mr. Edison believes not only in the wonford, who in January urged conscription, a bigger derful resources of radium, but even that steam navy and all sorts of military devices. In August volcanoes will be exploited for the uses of civilizhe was a ranting socialist; six months later a rav- ation. So far, he declares, we have only been gravity is, neither do we know the nature of heat, light, and electricity, though we handle them a cheap that every young woman will be able to follow the fashions promptly. "Artificial silk that is superior to natural silk is now made of wood pulp. It shines better than silk, and I think that the silk worm barbarism will go in 50 years, us that the unionists made five gains and the lib- just as the indigo of India went with the production of indigo in modern laboratories,'

this and German that are innumerable, and yet when population cause the increase. all is said the British workman under free trade is immeasurably better off, and in other respects than wages large a percentage of our labour and energy away from than the German, The following taken from official the production and distrubtion of the necessaries of publications of the British Board of Trade will show life, and diverted them to the production of luxuries. how far in advance of the German the British work- If the land on this continent were properly tilled it man is:

Average weekly wages in 15 skilled Britain Germany trades in chief cities ...... £2 2 0 £1 4 0 In other cities and towns.......... 1 16 0

The following figures show the average weekly wages in provincial towns in Great Britain and Germany:-

Masons £1	19	2	£1	7 6	
Carpenters and Joiners 1	18	3	1	1 8	
Patternmakers 1	17	0	1	1 0	
Plasterers 1	19	3	1	7 6	
Turners 1	15	0	1	0 0	
Fitters 1	15	0	1	0 0	
Smiths 1	16	0	1	1 7	
Compositors 1	12	3	1	3 1	
Cabinet Makers 1	15	6	1	2 6	
Upholsterers 1	16	0	1	7 11	
Coopers 1	16	0	1	2 3	
		A THE STREET			

Though 'labor' is supposed to play a leading part in the Australian colonies, it gets justice meted out when it goes too far astray. The people were inclined to give way a good deal to labor, and so labor, like a spoiled child, played pranks. In the strike in Australia one of the union leaders has been sent to do hard work in prison for twelve months for obstructing operations at the mines. How comes it about that in Australia obstructionists and intimidators can be appropriately punished, while here in Nova Scotia they go scot free. Other of the strikers got eight months for a similar offence. A dose or two of this medicine would effectually stop obstruction at the South C. B collieries. Why should it not be given. Patience has ceased to be a virtue.

A number of daily papers east and west have recently been devoting a great deal of space to discussion of the 'Cost of Living.' Most of the comments claim embarrassing increases in recent years in the price of various food stuffs and other necessities, It would seem, however, from comparisons made that Canada does not fare so badly in this respect as the United States. A recent comparison made between prices at Detroit, Michigan, and Windsor, Ontario, showed the following difference:

Commodity.	Windsor.	Detroit.
Butter, best bound		36c
Eggs, dozen		42c
Beef, cheapest cut, lb	6½c	10c
Pork, mess, lb	13c	20c
Bacon, breakfast, lb	19c	24c
Potatoes, bus		60c
Turnips, bus		60c
Carrots, bus		60c
Beets, bus	25c	60c
Turkeys, dressed, lb	20c	25c
Chickens, dressed, lb	11c	15c
Milk.quart	7c	8.9c
74 1 1.		

higher than a few years ago. According to most auth evident.

The German workman is a heavily taxed man, and orities dealing with this question the extravagance of yet his wages are low in comparison with his more for- the people, the increased gold production, and, in some tunate British Brother. Germany has undoubtedy countries, the failure of the agricultural output to keep made big strides of late, and the references to German pace with the growing requirements of an expanding

> A New York banker thinks that we have taken too would support a vast population in comfort. In thier endeavor to stimulate intensive farming the agricultural colleges are doing a work of incalculable economic value,

> One of Lloyd George's many pithy sayings:-"The land was made for the peasants, not for the partridges of England."

> Bung and Bishop and Baronet did not succeed in their attempt to make the British Islands "the paradise of millionaires and the purgatory of millions." They forgot to take into account 'Scots wha hae.'

> The two leading papers in Scotland, the Scotsman and the Glasgow Herald were strong for the tories. The Scots have a way of deciding for themselves. Scotland still stands for freedom.

A British railway train is still, the "Railway Magazine" points out, the safest place on earth, as only one passenger in seventy million is killed, and one in 2,300,000 injured. This deduction is based upon a careful survey of the Board of Trade report on railway accidents during the year 1907. In 1908 the number of fires in trains amounted to 170, but it should be explained that many of these were of the most trifling description. It is a significant fact that of the number of fires reported not a single one occured, either directly or indirectly, through a lightning flash. It would appear that for some reason railway trains are practically immune from the disastrous effects which usually mark the track of a violent thunderstorm. What is the explanation of this fact? In reply we are told first that the telegraph poles along-side the railway provide a measure of protection to passing trains. These poles are usually spaced three chains or sixty-six yards apart, and on each pole is stapled a thick galvanised iron wire, projecting about six inches above the pole roof and terminating five or six feet below ground. This earth wire, as it is technically known, tends primarily to prevent conduction between contiguous wires, but there can be no doubt that it also serves as a lightning conductor, and that, too, in a very efficient manner. Further, it is contended, explains the Westmisister Gazette,' that the pieces of ironwork scattered over the roof of a train constitute a conductor, or act as a safeguard against the injurious effects of atmospheric electricity. They fulfil the function of a metal screen or cage, and it has long been known in scientific circles that a complete metallic enclosure will protect a railway train as effectually as a powder magazine. Sir Oliver Lodge has declared that 'a wire netting all over a house, a good earth connection to it at several points, and all over the roof a plentiful supply of barbed wire, which serves so abominably well world over prices on the necessaries of life are much roof of a railway carriage and the conductor system is



#### COLLIERIES. AROUND THE

Of the eleven fatal accidents in Canadian Mines in December, not one is set down, in the Official Gazette, of the principal shareholders in the Cumberland Ry. as having occurred in Nova Scotia.

M J. K. L. Ross is not now in connection with the Coal Company. Jack is optimistic as to the coal end of the Merger, and characteristic as to the Steel end.

Private advices from Indianapolis are to the effect member of the Board. that two gentlemen, well known around the Southern C. B. collieries, are having the time of their lives.

It is said that many of the old workmen in Spring. hill don't see much sense in the continuance of the strike, If a bold and courageous leader were to step to the front him. What is lacking is a leader.

Things are very quiet at Springhill. Neither side or ticket did not make a clean sweep at the town elec. the expenditure of money in the West; . . . . The West tion. Tom Pigott, a miner, or who was such up till the should be our market for manufactured goods. The commencement of the strike, was elected as an opponent Georgian Bay canal will help the maritime provinces of the labor ticket, so hints the Halifax Herald, and in by giving us a waterway into the gateway of the West. a matter like this, the Herald is not apt to lie.

for these to censure themselves; the public are doing working of the 8 hour law in other countries.

The Glace Bay Gazette says the strike could have trary. been settled on Mr. McDougall's terms last October. With all due deference to the Gazette, we may state the P. W. A. men. When the strike was declared it the auditors report the balance on hand is \$470,000. took up the challenge, and will see it through.

It is said that 600 voters were disfranchised at the late town elections in Springhill. This is due, no doubt, in great part, to the inability of the men on strike to pay their taxes. It is further said that nearly five hundred were disfranchised in Stellarton for non payment of taxes chiefly. Well, there was no strike in Stellarton. On the contrary we have the Chronicles word for it that everything was booming in 1909, even to the post office. That being so there must be something very far amiss in the town's management. All deny responsibility; all the same all the people are not fools, and have placed the responsibility where it rightly belongs.

Sir George A. Drummond, among other things, one & Coal Company, died in Montreal last week at a ripe

Mr. Wanklyn, Vice President of the Dominion Coal Co. has been elected as a member of the Montreal Board of Control. He is the one English speaking'

The U. M. W. leaders at Springhill say that though they have spent a big sum on the strikes in Nova Scotia, they have not yet began to fight. Well, now, is'ut it about time they were doing things. So far there has been no display of skill or courage on their part. They and declare for work, a mighty host would soon follow have made big display of cowardly methods in C. B. rather than of generalship.

Things are very quiet at Springhill. Neither side Attorney General McLean at the Dartmouth Board is letting its neighbor know what it is doing. The lab- of Trade annual meeting said: "We should not oppose

Commissions are quite fashionable these days, and Is'nt it rather funuy to hear the mayors and coun- Professors, as best able to fill the bill, are in vogue. cillors of some of the towns complaining about the non- Even the Ottawa Labor Department, which has a big collection of taxes. There is not the slightest necessity staff, had to have a commission to enquire into the that, in the back corners as well as at the corners of the Kenzie King has not all the necessary information at his streets. Instead of whining over delinquent taxpayers, finger ends by this time, he has been taking things easy why don't they see that the taxes are promptly collecting the past years. There are some who hold that the ed; thats what they're there for, and it is easy, the law Morning Chronicle's 'brilliant' young friend is more of an ornament than a utility, and the RECORD is not going to risk falling out with these by arguing to the con-

With all due deference to the Gazette, we may state It is not probable that the U. M. W. will engage in that the strike could not have been settled last October, any big strike in the U. S. the coming Spring. Their unless on unconditional surrender of the men. Mr. finances will scarcely permit of such a luxury. If a lit-Duggan saw his mistake in receiving a 'go between' in the strike like that they have been engineering in Nova time. But had the agreemens matured, things would Scotia caused so heavy a depletion of the funds that the have been worse than ever. The first committee of U. balance on hand is less than it has been for years, a big M. W. men received might mean a practical protest by strike would wipe the whole fund out. According to was declared to be a fight to a finish. The P. W. A. The U. M W's, claim to have a membership of 300,000. They have at the present, cash on hand equal to a dollar and a half per member, not a big reserve of a surety.

> The Montreal 'Witness' has been reorganized and revitalized in all its departments. Editorial and reportorial staffs have been augmented by the most experienced men to be procured. The Montreal Witness' is indeed an ideal family newspaper, maintaining at all times a high moral standard, its news reliable, well arranged, and its editorials acknowledged on all cides to be 'at once fair and forceful'. Most of our readers want a metropolitan paper as well as the indespensable local newspaper, and they cannot do better than take the 'Witness'.

### AROUND THE COLIERIES.

The output of the Dominion Coal Co. for January was greater than the output in January of 1909. An 'Canadian Pictorial,' which is to Canada something of output of over 212.000 tons does not indicate that the what the 'Illustrated News' or the 'Graphic' are to strikers are greatly, if at all, retarding output.

news of a big explosion in Kentucky, with the loss of scenes the world over, so as to merit its claim to give a large number of lives. It is said this explosion was 'News by Views'. Short complete stories, music, and caused by a man going into an old working with a well edited departments add to the interest. The Can-

There is great excitement, all of a sudden, over the high cost of living. The peculiar thing is that the agitation was so long delayed. One reason is that the inthemselves in the development of coal lands in Pa. A creases have been chiefly in the products of the farm. Canadian company for that purpose is now being form-These have been going skyward for a long time. Flour ed, and flaming prospectus, guaranteeing almost fabulduring the last ten years has gone up \$2,00 a berrel, ous profit is being issued. We had thought Canadlard, 10 cents a pound, pork, twelve dollars a barrel of ians had ample scope for investments at home. The say 300 lbs., while coal has only gone up about a dollar a ton of 2.240 lbs. The orchardists seem to be the opment. It is had enough to have Americans as comonly reasonable people, next to the newspaper men. petitors for the Canadian coal trade, it will be worse Newspapers have not gone up in price; currants, ap-when we have Canadians offering U.S. coal in competples, oranges, raisins, etc., keep content at the old fig- ition to Canadian. The Free Coal League has now at

The stock of the Nova Scotia Steel & Coal Co. has va Scotia coal owners association was being formed, been active of late, and has gone up in the market. Halifax banker says he knows the dividend is to be increased to 5 per cent. How does he know? It seems some people are of his opinion. Mr. Forget is still buying, so he could not have secured the 20,000 shares he is after. Mr. Forget does not say a word about increased dividend. After surveying the situation he came to the conclusion that Scotia was a good investment for current thought of both hemispheres. Without wisdom some of his accumulating cash. Some hint at a change of its own, 'World Wide' reflects the wisdom of the in the directorate. Nothing is known down here about age—the day—the hour—the moment, Without opinthat. As to the increase in dividend, it will come, but ions of its own, 'World Wide' beats to the tick of moders can afford to wait after the recent nice little plum a welcome place on the study table. Business men,

minerals of Canada, by G. A. Young, with an introduc- given to the various fields of human interest to the tion by R. W. Brock, Director of Geological Survey, shifting scenes of the world's great drama, to letters Ottawa, illustrated with eighty two plates and two maps and science, and beautiful things. If you do not know has been issued by the Geological Survey Branch of the 'World Wide' personally, the publishers will gladly Department of Mines. In the introduction it is stated send samples free of charge on application. 'World give merely a general idea of the conditions obtaining scription is only \$1,50 a year. in the various geological provinces into with the more important minerals which are characteristic of, or which have been exploited in each.

The great development of the mineral industry in Canada is shown in the statement that in 1886 the mineral production of Canada did not reach \$10,250,000 in value, and was only \$2,23 per capita. In 1908, the production was over \$87,000,000 or \$12,57 per capita. The total production for the last twenty-three years a of the Colorado Fuel and Iron Company, wrecked mounts to \$926,516,579, of which gold represents \$267,-

That delightful Canadian illustrated magazine, the England, continues to improve with each year of its existence. While Canadian pictures generally predom-Succeeding the explosion in Colorado, comes the inate, plenty of illustrations are given of events and naked light. The U.S., sorry to say, is keeping up adian Pictorial' is issued monthly by the 'Pictorial' its reputation as to excess of fatal accidents in mines. Publishing Company, 142 St. Peter St. (Witness Bldg.)

Montreal, and the subscription rate is \$1,00 a year.

> It is rather s new thing for Canadians to interest RECORD does not look with favor on this new develits back, or will have soon, a big concern to whose interest it will be, to have free coal. It is time the No-

There are few Canadian publications so well 'worth while' as the weekly review, issued from the office of John Dougall & Son, Montreal, under the title 'World' Wide. It is a weekly reprint of articles and cartoons from the leading journals and reviews reflecting the its coming may be delayed for a little. The stockhold- ern British and American thought. 'World Wide' finds preachers, teachers, writers, and thinkers generally hail it as a most delightful visitor. An effort is made to A descriptive sketch of the geology and economic select the articles each week so that due proportion is that an attempt has been made in this publication to Wide' sells at five cents per copy, but the yearly sub-

#### ANOTHER U.S. MINE HORROR

Fighting madly to escape through the narrow, partly choked air shaft, trampling over fallen by an explosion Jan'y. 31st. were overcome by gas and fire. Their bodies were found in heaps about the bottom of the air shaft, where they had ing the cage, in the event of accident, from being car-

fallen in the desperate struggle.

One has been rescued alive, but dangerously in-

The explosion occurred at 4,30 o'clock. With a roar and a belch of flame the main shaft crumpled, blocking the entrance to the mine. Both entrances with which the property is equipped were shattered, and it was not until three hours later that the fans were repaired and a rrscue party, headed by General Superintendent J. F. Thomp-

son, was able to descend the air shaft.

Dio Nardino, the one man rescued alive, was found beneath a mass of earth and timbers. the entombed miners are still alive. burned itself out.

tempted to join the workers below, and had to be the surface, the women gathered about it with shrieks and prayers, but the bodies were so charred and disfigured that they could not be identified. Until the workings can be opened, the cause of the explosion will remain unknown. The officials of the company declare that safety lamps were used in every portion of the mine, and that every precaution was taken to prevent accidents. worst in the history of western coal mining.

#### EIGHT MEN KILLED.

Fell more than 1,000 feet.—A mining accident, in disaster. which eight men lost their lives, occurred recently in a pit at Bellshill, Lanarkshire, Scotland. The scene of the disaster was the Hattonrigg Colliery, A Cumberland County paper says: "The labor which is owned by Summerlee Coal and Iron Comparty have now a majority of the Council Board and safety when the cage made its fatal journey. The part of the Labor party to tread softly. winding-wheel is about twenty feet above the level of the pithead. Immediately below the the axle of the wheel are two stout wooden beams, which serve the & Coal Co has gone to Quebec. double purpose of strengtheing the frame and prevent- is now superintendent of the Inverness end.

ried over the top of the wheel. In the present instance, One hundred and forty-nine men are known however, instead of proving a means of safety, these to have been in the mine when the explosion oc- beams were actually the intermediate cause of the discurred. It is said that seventy-nine are dead. aster. With such force was the cage carried against aster. With such force was the cage carried against them that the steel cable was unable to withstand the The bodies are torn and charred beyond shock, and snapped at the "hose," where the four recognition. It has been impossible to identify chains supporting the cage converge. With frightful the dead.

With velocity, and unchecked by any obstacle, the cage, weighing over 21 tons, fell sheer down the shaft, landing in the "sump" with a tremendous inpact. All the remainder of the shift were waiting their turn at the pit bottom to be raised to the surface, but, realising what the noise of the descending cage portended, they crowded back out of the region of danger. For a time they were almost dazed by the shock of the catastrophe, but presently they recovered their normal coolness and He approached the wreckage. A sickening spectacle was declared that he crawled over scores of bodies af- then presented to their view. Six of the eight occuter the axplosion, and saw no one who was not in- pants were decapitated, and all were mutilated beyond The rescuers say that the entire mine is recognition, no sign of life remaining. The position of wrecked, and it is almost impossible that any of the men at the bottom of the shaft was for the time The fire being helpless, all communication from the surface which followed the explosion was confined close- being completely cut. The cages in mines are run in ly to the working near the main shaft, and soon pairs, the one descending as the other ascends. The empty cage in this case, therefore, was already resting With the Cherry, Ills,, disaster fresh in their at the pit bottom before the impact occured. At the minds, frantic women and children surged against pit-head meantime were a number of workers, who, the ropes drawn to keep them away from the seeing the snapping of the cable and the terrible fall shaft, and begged the rescuers to bring back their of the cage, at once realised the frightful consequences, husbands and fathers. Some of the women at- In accordance with regulations, the mine has two restrained by force. As each body was brought to fortunately, the escape shaft was being used in con shafts, one of which serves in case of emergency. nection with the working of the splint coal seam, which is some distance above the level of the seam at the bottom of the Drumgray shaft, and consequently the cable attaced to the cage was not sufficiently long to reach to the deeper excavation. As quickely as possible, however, the cage was sent down to the full extent of the cable when it was attached, and a ser-Officials of the company say the disaster is the vice cable added to give the necessary length. This operation occupied about an honr and a half, during which time the men at the bottom were anxiously waiting news from the outer world. With four men the cage was then sent down to the bottom of the shaft, which is twenty yards from the scene of the

pany. About three o'clock the day shift men were there are rumors current that an effort will be made to being brought to the surface, when, through some nn- increase the assessment on the property owned by known cause, the cage, bearing eight men, overran the the company" If the 'Labor party' attempt anything of level of the pithead and crashed into the overhead the kind at this time it may not be for the health of beams of the framework. snapping the cable. The the party. Mr Cowans has said that the strikers won't cage, thus severed from its bearings, was precipitated be taken back unless at a reduction of 15 per cent in with its occupants to the bottom of shaft, a distance wages. As a reason it is given that the mines do not of over 180 fathoms. The day shift men, numbering pay. If the Labor party impose further burdens on 116, had been down at the lowest level from early the company then Mr. Cowans may be forced to issue morning, and had left the face to ascend to the surface. a new edict, declaring that the reduction in wagos Of the total shift forty-eight men had been raised in will be twenty per cent. It might be wisdom on the

> Mr. W D. Barelay, of the H. &. S. W. and Inv. Ry Mr. J. McGillivray,



#### Synopsis of Canadian North-West, Homestead Regulations.

A NY even numbered section of Dominion Lands in Manitoba or the North-west Provinces, excepting 8 and 26, not reserved, may be homesteaded by any person the sole head of a family, or male over 18 years o age, to the extent of one-quarter section, of 100 acres, more or less.

Application for entry must be made in person by the applicant at a Dominion Lands Agency or Sub-agency for the district in which the land is situate. Entry by proxy may, however, be made at an Agency on certain conditions by the father, mother, son, daughter, brother or sister of an intending home steader.

steader.

An application for entry or cancellation made personally at any Subagent's office may be wired to the Agent by the Sub-agent, at the expense of the applicant, and if the land applied for is vacant on receipt of the telegram, such application is to have priority and the land will be held until the necessary papers to complete the transaction are received by mail.

In case of "personation" or fraud the applicant will forfeit all priority of claim or if entry has been granted it will be summarily cancelled.

An application for cancellation must be made in person. The applicant must be eligible for home stead entry, and only one application for cancellation will be received from an individual until that application has been disposed of.

An application to Cancellation must be made in person—the application will be received from an individual until that application for cancellation will be received from an individual until that application for cancellation will be received from an individual until that application for cancellation will be entitled to prior right of early.

When an entry is cancelled subsequent to institution of cancellation proceedings, the applicant for cancellation will be entitled to prior right of entry.

Applicant for cancellation must state in what particulars the homestead is in default.

A homesteader whose entry is not the subject of cancellation proceedings may, subject to the approval of Department, relinquish it in favor of father, mother, son, daughter, brother or sister, if eligible, but to no one else, on filing declaration of abandonment.

The homesteader is required to perform thehomestead duties under one of the following plans:—

(1) At least six months' residence upon and cultivation of the land in each year during the term of three years.

(2) A homesteader may, if he so desires, perform the required residence duties by living on farming land owned solely by him, not less than eighty (89) acres in extent, in the vicinity of his homestead. Joint ownership in land will not meet this requirement.

(3) If the father (or mother, if the father is deceased) of a homesteader has premanent residence on farming land owned solely by him, not less than eighty (89) acres in extent, in the vicinity, such homesteader may perform his own resident duties by living with the father (or mother).

(4) The term "vicinity" in the two preceding paragraphs is defined as meaning not more than nine miles in a direct line, exclusive of the width of road allowances crossed in the measurement.

(5) A homesteader intending to perform his resident duties in accordance with the above while living with parents or on farming land owned by himself must notify the Agent for the district of such intention.

Six months' notice in writing must be

#### SYNOPSIS OF CANADIAN NORTH-WEST MINING REGULATIONS.

COAL. Coal lands may be purchased at \$10 per acre for soft coal and \$20 for anthracite. Not more than 320 acres can be acquired by one individual or company. Royalty at the rate of ten cents per ton of 2000 pounds shall be colected on the gross output.

QUARTZ. A free miner's certificate is granted upon payment in advance of \$5 per annum for an ind vidual, and from \$50 to \$100 per annum for a company according to capital.

A free miner, having discovered mineral in place, may locate a claim 1500 to \$100 per acceptance.

x 1500 teet. The fee for recording a claim is \$5 At least \$100 must be expended on the claim each year or paid to the mining recorder in lieu thereof. When  $$5.00 \, \rm has$  been expended or paid, the locator may, upon having a survey made, and upon complying with other requirements, purchase the land at \$1 per acre.

The patent provides for the payment of a royalty of 21-2 per cent on th

s. Placer mining claims generally are 100 feet square; entry fee \$5 renew-

Placer mining claims generally are 100 feet square; entry fee \$5 renewable yearly.

A free miner may obtain two leases to dredge for gold of five miles e ch for a term of twenty years, renewable at the discretion of the Minister of he Interior.

The lease shall have a dredge in operation within one season from the date of the lease for each five miles. Rental \$10 per annum for each mile of river leased. Royalty at the rate of 2 1-2 per cent collected on the output after it exceeds \$10,00.

W. W. CORY,

W. W. CORY, Deputy of the Minister of the Interior.



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WESTBOUND Superior Dir.		STATIONS.	EASTBOUND Inferior Dir	
53	51		54	52
P. M. 3 20	A M. 10 39	P. TUPPER JUNCTION	P. M. 3 35	A. M 10 50
3 15	10 24 10 19	INVERNESS JUCT. PORT HAWKESBURY	3 40 3 45	10 5,
2 n0 P. M.	10 02 9 57	PORT HASTINGS	3 58 4 03 4 15	11 20 A. M.
	9 47 9 34 9 17	TROY. CREIGNISH CRAIGMORE	4 28 4 40	
	8 58 8 45	JUDIQUE CATHERINE'S POND	4 55 5 08	
	8 3 1 8 25	PORT HOOD GLENCOE	5 23 5 28 5 43	
	8 10 7 40	MABOU GLENDYRE	6 16	
	7 30 7 15 7 02	BLACK RIVER STRATHLORNE	6 38	
	6 45 A. M.	INVERNESS	7 00 P. M.	

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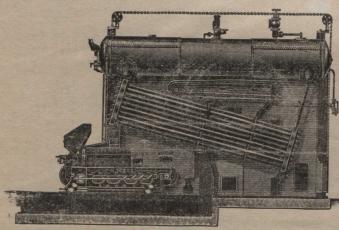
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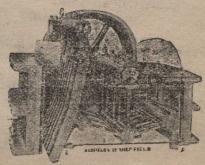
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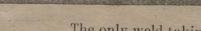
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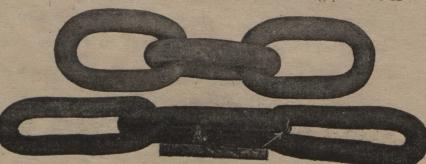
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