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Gas, Coke, and Fuel Gas.



in Lump Size for Foundry and Manufacturing pur

poses. Nut, Stove, and Egg sizes for domestic Washed Slack, free from Ash and Sulphur.



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MANUFACTURERS

Sulphate of Ammonia. Aqua or Concentrated Ammonia, Ferro-Cyanide of Potash,

Benzole, Etc.

COMPANY'S OFFICES, HALIFAX, NOVA SCOTIA.

OF

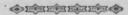
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## NOVA SCOTIA.

Mines of Gold, Silver, Coal,

Iron, Copper, Lead, etc.



Titles direct from the Crown

- At moderate royalties.

## GOID AND SILVER.

Licenses are issued for prospecting for Gold and Silver for a term of twelve months. They comprise areas 150 by 250 feat, 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 quirtz mills, which make returns and pay rownly on the gold is the rate of two per cent, on milled gold valued at \$19.00 per ounce.

## 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 regular of \$30.00



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

The gold district covers over Three thousa d square miles, and the deposits of coal, iron ore, etc, are practically unlimited.

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C: E, CHURCH,

COMMISSIONER PUBLIC WORKS AND MINES, HALIFAX N S



THE BEST MADE!

The U. S. A. Eagle Miner's and Driver's LAMPS.

Dealers send for PRICES. MANUFACTURED BY

John Anton & Son, I. Box 74, Monongahela, Pr.



Rooster Brand"

The Workman is happy who

"ROOSTER BRAND" Shirts and Overalls.

The Gentleman is delighted who uses Our Fine Tweed and Worsted PANTS. Best in Canada

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MOGILL ST.

MONTREAL

OF OUR 12 OUNCE -:- WRAPPED -:-

Which is being Sold by a number of the Leading cial Grocers, for the small sum of 4 CENTS.

A lot of People tell Us that it is the best 4 CENT Soap ever put on the Market.

MANUPACTURED BY J. P. MOTT & CO.

**>**ひひわわわところりわひわわわわ

# FLAMELESS

We desire to call the attention of the owners of, We desire to call the attention of the owners of, and the operators in, coal mines in which the use of ordinary blasting powder has been prohibited, to this Safety Planneiess Explosive. It is in use in the most gaseous mines in the Province, and has proved to be SAFE, PLANEIESS and CHEAPIR than any of the other so-called flameless explosives. We supply the Electrical Batteries and Fuses required for use with this explosive. When required, we send an expert to supervise the introduction of the explosive, and the Electric Blasting Apparatus.

Blasting Apparatus.

For further information please address the

ACADIA POWDER Co., Limited.

HALIFAX, N.S.

#### . INTERCOLONIAL RAILWAY ..

On and after Monday, October 16th 1859, the trains will run daily (Sunday excepted) as follower

-LEAVE STELLARTON-	
Accommodation for Pictou	6.27
Accomodation for Truro and Halifax	6.30
Express for Sydney	11.25
Accommodation for Pictou  Accommodation for Truro and Halifax	11.30 11.35
Express for Truro, Halifax and Montreal	14.85
Accommodation for Picton	15.25
Express for Picton	22.20
Express for New Glasgow	22.15

-LOCAL TRAINS

eave Stellarton for	Arrive at Stellarton from
5.80 Trenton	5.55
5.55 Hopewell	6.27
6.35? Trenton and Pictou Landing	17.10
14.35	6.20
	10.55
17.45 New Glasgow	
Vestibula Sleeping and Distance Come on the Maritim	22.00

Alltrains are run by Eastern Standard time. Twenty four hour

Moneton, N. B., October 12th, 1899

D. POTTINGER, General 1

Fur Robes. & Coats V

CARRIAGE TRIMMINGS

Frunks & Bags.

HORSE FURNISHINGS. 4664

PRINCE ST.

TRURO N S

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MANUFACTURING CO.

**AMHERST** 

NOVA SCOTIA

INCORPORATED, 1867

SALES LAST YEAR \$470.000

We Are

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Boot and Shoe

House

In The PROVINCES Woffre In, Business

To Stay and Therefore Mim To Have All Cur

Business Relations

Between Our Sustamers And Ourselves.

MUTUALLY ADVANTAGEOUS

AMHERST BOOT & SHOE MANUFACTURING CO.

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Packing, Lubricating Grease.

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MARINE AND STATIONARY ENGINES, Boilers, Tanks, Iron and Brass Castings,

MACHINERY OF EVERY DESCRIPTION

Used by Collierles in Lancashire, Etatfordshire & Yorkshire

COLLIERY LAMP OIL.

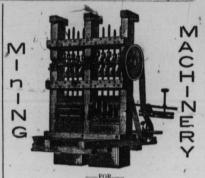
E.W. WOLLASTON, Dutter-St MANCHESTER

- WHEEL BARROWS.



RAILROAD or CANAL BARROWS. STEEL TRAY BARROWS. ETC. ETC.

H. H. FULLER & CO



Gold, Silver, Copper and Lead Ores Perforated Metals.

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STREET and MINING

CAR WHEELS. FORGINGS & Fittings for Stores, Schools, &c

Church Pews.

A SPEIALTY. Large Stocks of Foreign and Domestic Lumber on Sale.

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Curry & Co., Ltd. HALIFAX, N. S.

AMHERST, N. S.



MINING RECORD.



G.C.ROBB CHIEFENGINEER

A.FRASER SEC.TRES. HEAD OFFICE TORONTO

WHEN WERE YOUR

..BOILERS ..

WRITE TO

G. W JONES, Agent,

Halifax, N. S.,

OR TO-

A. BONNYAN, INSPECTOR.

Amherst, N. S.



# Wire Screens

For every class of material. Perforated metal of Steel Copper, Brass, Zinc, for all purposes. Special attention given to

Miner's Requirements

## INTERCOLONIAL COAL MINING CO., L'T'D.

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SECY-TREASURER.
William F. Holson, Montreal.

MINES,

DRUMMOND Colliery,

Westville, N.S

#### THE DRUMMOND COAL

IS EXTENSIVELY USED AND WIDELY AND FAVORABLY KNOWN.

EGG COAL A SPECIALTY

ADDRESS ALL ORDERS TO INTERCOLONIAL COAL MINING CO., L't'd.

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MANUFACTURERS AND MERCHANTS SHOULD ADVERTISE IN THE MARITIME MINING RECORD. Rates Moderate.

## Pumping Machinery Mine Work.

Mining Pump. Outside Packed Duplex.
Plunger Pattern with Pot Valves.

This design offers several noteworthy advantages. We know of no Pump that can compare with it for durability and strain resisting qualities.



We have given special attention to Mining Pumps, and our long experience enables us to effer machines that are thoroughly (cliable. Our Mining Pumps are up to date, built of the best material obtainable, and are fully guaranteed. Our designs include several types of the ordinary Pisten Pattern Mining Pump, Solid Cylinder Single and Duplex, patterns, cutside Packed Double Plunger patterns. Mire Experimendents and these interested in Mining Machiners would consult their interests by sending for our catalegue and obtaining ourquotations before installing their Flants.

Northey M'f'g Co., Limited, 1031 King St. Toronto Ont.

## The Canada Switch & Spring Co., Limited.

STEEL CASTING, FORGINGS, SPRINGS, FROGS, CROSSINGS

Steam and Electric Railways, . . .

... Trucks for Electric Railways.

INTERLOCKING SWITCH AND SIGNAL Plants
(Chdor the patents of Saxby & Farmer, Limited, of London, Eng.)

CANAL BANK, POINT ST. CHARLES, MONTREAL—

## ROCKMANA,

A Strong, Full Flavoured,
- Blend of Indian & Ceylon

Lord Roseherry is always a charming speaker or general topics, and we feel that his graceful tribute to the coal trade made lately at the opening of a miners cottage hospital at Bishop Auckland ought not to pass unacknowledged. His lordship expressed a just sentiment when he said that no army, no class of our nation deserved so much the sympathy and admiration of those who are interested in the welfare of the empire as those who are engaged in getting coal. Hislordship went on to twit a certain sert of philos spher with the idea that everything should be done by Statehelp. He said that the State in these days is constantly appealed to do everything for us from the cradle to the grave. But he pointed out that the true greatness of any people must be built upon its independence and self-reliance. He was therefore glad that the miners of that district where the hospital was to be, would help to support it.

If you are a GOOD COOK you will APPRECIATE

#### FRAGRANCE & FLAVOR which

#### Sovereign Flavoring Extracts

will impart to your cooking. Do not lose time and patience experimenting with worthless and unreliable goods, when you can get the best from your Grocer by asking for SOVEREIGN Brand.

These Essences have stood the test of years, and their increasing sale proves their popularity and excellence.

SIMSON Bros. & Co.,

WHOLESALE DRUGGISTS

HALIFAX, N. S.

## BLAKE & KNOWLES PUMPS.

91-93 LIBERTY St., NEW YORK BOSTON - LONDON - CHICAGO.

#### -PUMPS FOR EVERY POSSIBLE PUTY .-

STEAM, .. POWER, .. ELECTRIC AND AIR DRIVEN FOR MINING, HIGH PRESSURE, COMPOUND, TRIPLE DIRECT ACTING, FLY-WHELL, ALSO MECHANICAELY OPERATED WATER VALVE PUMPS

Single & Duplex Air Compressors



Browne's Vacuum Bailing Tank.

The handling of the water which slits through and flows into the opening when sinking a shaft is frequently a source of delay.

The usual practice has been to lift and force the water to the surface by means of suction and lift or force pumps with reciprocating buckets, pistons or plungers operated by steam compressed air, electric motors, etc., or by ods actuated by steam machinery on the surface.

The pump is placed in the shaft 15 to 25 feet above its bottom and draws the water by suction through a strain er and suction hose to the pump cylinder, whence the bucket piston or plunger lifts or forces it upwares.

plunger lifts or forces it upward.

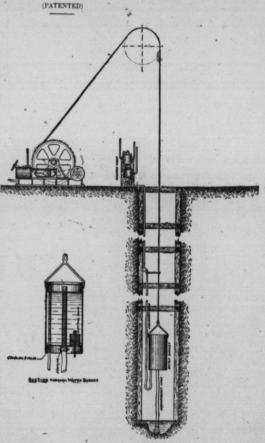
While the work of sinking is in progress, it is not practicable to provide more than a very small sump in the bottom of the shaft for the water to collect in and to pump from the pump must therefore adapt itself to draughts of air, water, mud, sand, etc. resulting in much wear to the reciprocating parts and necessitating frequent re-packing, repairing and delays.

The pump must be lowered from time to time as the work progresses and the water columns and power supply pipes must be extended and re-connected.

During blasting operations, the pump must be removed or at least protected by a bulkhead of heavy timbers otherwise serious injury to the pump from flying missile is very probable.

The loss of time thus caused by handling, adjusting, etc. is no inconsiderable item of expense of sinking the shaft.

After the shaft is completed a deeper sump may be provided from which the water may be dipped by means of



(Continued on Page 18.)

#### MINING QUESTIONS AND ANSWERS. SELECTED.

fiction? How do you calculate the amount? any examples where Coil Frigtion is found useful.

or other band is coiled around a cylinder or drum, motionson the part of either rope or drum produces friction. For one complete coil a force of one pound at one end of a rope will balance a pull of nine pounds at the other eud. As the number of coils increases the friction multiplies itself by nine for each coil. For example, the friction for one coil as stated is nine; for two coils, 81; for three coils, 729; and so on. The most common examples of 'coil friction' are seen in a mine where the haulage is done by endless rope.

The branch ropes will be seen coiled 13 or 23 times round the driving wheel, and this gives sufficient resistance at the wheel to drag the whole length of

rope and its load along the road.

We always see a pit winding rope clammed to the drum shaft; there is really little strain upon the clam, and there are always three or four coils of rope on the drum when the cage is at the bottom, and these supply sufficient pressure on the drum to sustain a big weight.

Q. 2—Describe the proper positions in which 'Props' should be set and 'Checks' or 'Cogs' built in

working a seam in Steep Measures.

A.—When setting props to support the roof in in-clined seams, two forces should be taken into consid-eration; first, the crushing force at right angles to the inclination; second, the force which bears down from the high to the low level. Therefore I think the best position to set timber is not exactly at right angles with the dip of the floor and roof, but a little uphill from that position. Where chocks are necessary, I would build them at right angles to the inclination, for vo reasons. First, the pieces of timber forming the chocks are generally two feet in length, when these are crossed at right angles they have an area of four square feet top and bottom, thus it would be impossible for the down hill force to change their position. Second, if built in the same position as the timber is set, the inclination of the chocks at the top and bottom would not correspond with that of the seam, consequently pieces would have to be put in top and bottom to tighten them, or to bring them to that inclination, this would not be as strong a chock as the one built at right angles with timber of equal dimensions. If the chocks are erected to stand for a length of time, the space in the interior should be filled with dirt, this gives additional strength. Some prefer timber set at right angles to the inclination.

Q. 3.—What shape and quality of Rope would you adopt for deep winding, and why? What precautions would you adopt to have a good rope and not to over-

A .- I should alopt the round rope in shape, and the quality to be of the very best character, especially weight, ropes as a rule being so heavy a load in them- together, which is called solid timbering.

selves, but my preference is given to the round rope with a circumference uniform, as at the tapered end it requires much strength on account of the load QI-What do you understand by the term Coil being such a dead lift upon the engine at the com-Give mencement of the wind.

Lang's patent lay, and Lock Coil ropes, seem to A .- The term coil friction means that when a rope have the most advantage, but I prefer Langs patent lay, the other being more suitable for conductors. In the patent lay rope the strands have a uniform, twist and the same can be examined from the top of the rope which is of great importance, for in the examination of some ropes defects may be present and yet cannot be detected on account of the twist.

> The precautions I would adopt to have a good rope and not to overload it would be as follows:—I should make ample provision between the safe working load and breaking strain, as the rope carries the cage, chain coal, &c., besides its own weight upon the engine. The formula for calculating the circumference of a rope with its own weight included is as follows:-

C=Circumference of rope in inches.

L = Load -full cage and chains in tons.

M=Factor of safety.

X = Figure denoting kind of rope used.

F=Depth of pit in fathoms.

$$\begin{array}{c|c}
 & C & \hline
 & X & F \\
\hline
 & M & 1-2 \times 2240
\end{array}$$

The safe working load should not only be the weight wound up on an average wind, but the pulleys, ropes, &c., which have to be taken down the shaft should be calculated. Also precaution should be taken not to let the rope bend on too small a circumference; it should also be well greased, and frequently examined to comply with C. M. R. A., then, again, it should not be jerked at aommencement of wind, as this tends to shorten its life. To have a good rope we should observe that it is flexible, and the matter forming the strands should have an equal and uniform twist, as stated before, also to have elasticity in the material, and also of good tensile strength. Then, again, the construction of the rope should be such as will stand both a side or full pressure, and not be injured by the same. If the above precautions be adhered to we should have a good rope, and also no necessity to have it overloaded.

Q. 4-Describe how you would timber a road 9ft. wide and 7ft. high.

A,-In moderately good ground I would put in sets of timber (larch preferred)2ft. apart, the head-trees 10ft long, to allow for end hold, the forks 7ft 3in. long sunk in the sollar, which keeps them in position. would collar the forks, as the collar prevents the head tree from rolling. To prevent the forks from slipping out at the top I would put in a nog or short plug of timber, which is fixed in the head-tree, to keep the roof and sides secure. I would have spiles if the men have to be wound up the same shaft, as too 2in. thick, 6 to 8in. wide, and from 4 to 6ft long, made much safety cannot be obtained where the lives of of Norway pine or larch. These are placed over the men depend upon the same. The round rope is said top and along the sides of the level behind forks. This to cost half as much as the flat one, while it lasts is an ordinary method of timbering in the iron ore twice as long. Some ropes are made to taper towards mines of North Lancashire, and gives very fair results the lower end for the purpose of lessening their own Additional support is given by putting the sets close THE DOMINION IRON AND STEEL COMPANY.

A few weeks ago in consequence of the sinking of a steamer in the Suit See. Marie river, by which navigation was suspended for about a week from all Lake Superior to lower ports, great distress was fett, especially by the Chicago, discland, Buffalo and other iron furnness because of the interription of their supplies of ore; and this emphasizes the fact that although A merican furnaces that depend upon ore mined in the Lake Superior region enjoy remarkable facilities for obtaining them, there is always a possibility of interest ships now on the ocean but much bigger ships ruption through just such incidents as that here allud-

movements, and the facilities for loading and unload- and st. Andrews in New Brunswick, and Halifax, ing and otherwise handling ore cannot be excelled. Lairsburg, Yarmouth, Annapolis, Barrington, Liver-perhaps not equalled anywhere. It should be ob- pool, tockport, Lunenburg, Parrsboro and Shelburne served, however, that the locations of these lake port in Nova Scatia, besides a host of good harbors which sources of supply of either ore or fuel and that water every section of the Maritime Provinces are within easy transportation is possible to them only about eight reach of scaports and could be transported to Sydney under the advantages possessed by these furnaces, ian Manufacturer, and in the face of the disadvantages, the iron industry and the collateral trades incident thereto in the lake regions of the United States, have assumed the most remarkable importance, and have contributed to a great extent in placing that country far in the lead of all iron producing nations.

Whatever may be said of the lake regions and centers of iron production of the United States, considering their facilities for production, may with equal force be spoken regarding the lake regions and centres of Canada, for if we are so inclined we can draw upon these American sources for our supplies both of ore and fuel, the water facilities being common to both countries; but it is only a matter of time when our own iron mines bordering on Lake Superior will be opened up; and the same may be said of mines in the more eastern portions of Ontario. Of course we know that ore from some of these mines is now being used

in both Canadian and American furnaces. Great as are the possibilities of Ontario in the development of an iron industry similar to that of the United States bordering on the Great Lakes, those of Nova Scotia are infinitely greater in that the supplies of both ore and fuel are cheaper, more accessible and not handicapped by a limited season during which their new furnaces and other works in Cape Breton, having control of all the capital they may require, will soon be in a position to manufacture iron and steel at lower cost than any other concern in the world. In addition to the command the Company have of has been issued by the Local Government Board supmost of the known iron ore deposits in different parts plies figures for England and Wales over a period of of Nova Scotia, and in New Brunswick also, most of forty-three years. In 1857, taking the month of July, which are of superior quality, they also own or control some very remarkable deposits in Newfoundland that are contiguous to deep water harbors that are according to the year round. Nothing has contributed so the whole long range of years this levelling up of the much to the cheapening of iron in the West as the in- masses and reduction of pauperism has been evercrease I size of the vessels that navigate the upper failing and regular.

lakes. It is well known that the larger the cargo a ship can take the cheaper freight rates will be. there is a limit to the size of ships that can go through the Sault canals and they would have to be greatly enlarged and the lake harbors would have to be deep-ened at enormous expense, before boths drawing twenty-four feet of water, such as can peach the piers at low tide, in a great many harbors in our maritime provinces and in Newfoundland could be accommo-dated. Indeed these provinces abound in magnificent harbors capable of accommodating not only the largthan any yet built.

Ore from the Lake Superior mines can only be Their ores are exceedingly rich in metallic iron, shipped by water for about eight months of the year, their mines are easily worked, they are contiguous to lake navigation being closed during the winter. good harbors and deep water, their ore-carrying vestor are thirteen harbors. New Brunswick and sels have very large capacity and are speedy in their Nova Scotia open throughout the year, viz, St. John furnaces are such that they are not contiguous to their are open nine months of the year. The iron ores in months of the year. It should also by observed that or Louisburg at all seasons of the year.-The Canad-

#### BIG CONTRACTS

One of the largest contracts ever placed in Pittsburg is that given to the Riter-Conley Manufacturing Company, of that city, for the building of a steel plant for the Dominion Iron and Steel Company, at Sydney, Cape Breton, Canada. Some time ago the Riter-Conley Manufacturing Company took the con-tract for four blast furnaces for this concern, each to have a daily capacity of about 400 tons. The Riter-Conley people took the contract for all the work on these furnaces above the ground, the price being close to \$2,500,000. This has been followed by the placeing. with the same concern of a contract for the building of a steel plant for the Dominion Iron and Steel Company, the contract price being close to \$2,500,000, or \$5,000,000 for both contracts. The contract just placed calls for everything necessary in the way of mills and furnaces for the immense plant, and to make it complete and ready for operation. It includes ten 50 open hearth furnaces and a large blooming mill, the latter to be built by Mackintosh, Hemphill & Co., machinery builders in Pittsburg. In addition, all the necessary machinery needed to operate the plant will that the recently organized Dominion Iron and Steel be furnished by the Pittsburg concern. It will be Company, who are now pushing the construction of eighteen months before this large work is ready for

The comparative statement of pauperism which

#### MARITIME MINING RECORD.

The MARITIME MINING RECORD is published the first and third Wednesday in each month.

Advertising rates, which are moderate, may be had on applie

Subscription \$1.00 a year. Single Copies 5 cents. R. DRUMMOND, Publisher.

WEDNESDAY, NOVEMBER 8 th. 1899. 

#### RECORD'S POINT OF VIEW.

WHAT THE DOMINION COAL COY. IS DOING.

Whatever might be his reception were the busiwith which he is met, when he goes simply in quest ployed. It may be thought this is rather an expension of information. Even when the questions put may sive process to employ to get slack coal for coking be a little close, it is not conveyed to one even by a purposes. Really it is its cheapness that commends look that the question verges on the impudent. The it. The natural—so to speak—slack of the Cape Bre-

The total shipments of the Dominion Coal Co. for

chartered, viz Turret Bell, Turret Crown, Turrey Bay, the payment of an extra boss, an extra clerk, and a Turret Chief, Turret Court, and Turret Age. The man or two extra.

A new slope is now being sunk to the Emery average carrying capacity of these boats is 3000 tons A new slope is now being sunk to the Emery each. Each steamer it is calculated will make four seam. The situation of the slope is three quarters of

to the U. S should reach their best about Jan'y. is likely that one of the Turrets will be a month late & going into the Boston trade as she will be employed The RECORD is devoted to the Mining and Manufacturing In during that time in carrying coals to Halifax, which has been a little neglected by the company the past season. During the winter and next spring months it probable that 100,000 tons of coal per month will find way into the United States. This means at least half time for all the collieries in getting coal for shipments. But beside the coal to be shipped there is that to be banked. The International mine will bank during the winter about 45,000 and the big dump at Glace Bay will receive from 250,000 to 300,000 tons. Between shipping and banking the collieries should be kept fairly steady during the winter and spring

months, or until navigation again opens.

The company, in view of the largely increased demand, when the new Steel Works are once started, are taking time by the forelock and making preparness of one, in approaching the officials of the Dominion ations for erecting machinery to make coal suitable to Coal Co., to ask for an increase in wages, I am not in use in the coke ovens now in course of constrution a position to say, but nothing can exceed the courtesy at Sydney. For the Sydney coke ovens crushed coal or in other words, artificially made slack coal will be em-General Manager, Mr. Donkin, busy man as he must ton coals contains all or nearly all the impurities. It be, makes time to receive every caller, and his assistround coal is used, the impurities which go into the tant, Mr. Johnstone, tries to make clear to the dullest slack, will still be there. If slack coal be used then ceomprehension points on which the questioner is not it has to be washed. By means of Jeffrey desintegra-clear. And what may be said of the 'chiefs' may be tors coal will be made suitable for coking, and free said also of the Superintendents Messrs McVey, Mit- from impurities, -- which will go into the duff, and bechell, Brown, Hudson, Christianson and other officials. either washed or thrown away. This crushed coal then, will be better than round coal, and of course much ten months ending October reach the large figures of better than slack, as it will contain the smallest quant-1,293,716 tons. The shipments for the whole of '98 ity of the impurities, interfering with the production were 1,118,241 tons. From this it is seen that the ship- of good coke. These Jeffrey disentegrators have a capwere 1,118,241 tons. From this it is seen that the snip-ments for ten months of '99 are 175,000 tons greater acity of from 60 to 120 tons per hour. Four of them than the shipments for the twelve months of '98, As- will be put up at Dominion No. 1. This is more than suming that 207,000 tons will be shipped during Nov. necessary, but it is better to have a spare one in ca-e and December, and nothing but an accident will be not provided by the spare of the same and the s der this, then the total sales for the year will reach placed at Caledonia Mines. It is expected much bet-1,500,300 or three hundred and eighty two thousand ter results will be had from the disentegrators than more tons than in '58. This is a phenomenal increase from the washing plant, us the weather has no effect

more tons than in '98. This is a phenomenal increase from the washing plant, us the weather has no effect one coal company alone.

Two or three years ago there was talk abroad of the company sinking a shaft with a capacity of 10,000 creasing. These for Oct were not so large as in the previous month, but that was owing to there being had any such intention. There was great talk at one a large stock on hand in Boston, the accumulations of time of the company centralizing their works and domining months when comparitively few evens were income after the washing plant, us the weather has no effect upon the former.

Two or three years ago there was talk abroad of the company sinking a shaft with a capacity of 10,000 creasing. These for Oct were not so large as in the previous month, but that was owing to there being had any such intention. There was great talk at one a large stock on hand in Boston, the accumulations of the company centralizing their works and dominion to the company centralizing their works and dominion to the company centralizing the company centralized th previous months when comparitively few ovens were ing up a few more collieries as they are said to have lighted. From this out, or, more correctly speaking, done up Victoria. From the first talk of this great from the close of the St. Lawrence navigation, which central shaft the RECORD recorded its protest, and we occurs about the middle of this month, the shipments are now glad to state that if the company ever hadany to the United States will show a remarkable increase, such intention it has been abandoned. And it is well Some time ago it was stated that four of the Turret that it has, for the axiom in reference to carrying all boats, in addition to the Company's own vessels, would ones eggs in one basket applies with force to coal min-be employed carrying coal to Boston this winter. In- ing. The company's present policy is to have numerstead of four Turrets there are six that have been ous openings to its coal seams, even if that does mean

trips a month carrying on the four trips 12,000 tons, a mile or so from Caledonia Colliery. The first lift per month. The six will carry 72,000 tons per month will be six hundred feet, when the levels will be not taking into consideration the quantity to be ear- driven; places will be driven up four hundred feet ried by the smaller class of steamers. The shipments leaving 200 feet of crop coal. Until this year the Emery seam has not been worked since the company is a misance. The figures were shown of a colliery took hold. Several analyses have been made lately of the coal and it is believed to be of exceptional quality. The height is 5 ft 2 inches. Engines, and other necessary machinery are being placed in position and

of Sept, of next year.

making of the slope done speedily operations will com-mence above and below ground, that is, while men down to the surface to meet those driving up. 4 The the best interests of the men. length of the slope will be sixteen hundred feet, which is a fair length, for a first start. This slope will not be what one might call an independent colliery. as there will be no screens at its mouth. The intention is to haul the coal after it is landed on surface, to the Emery Bankhead. The mine will be worked it is thought wholly by machines. Though the slope will be sunk rapidly and places for machines prepared, it is not expected to ship coal from the mine for some time to come, This mine will be called the Emergency Slope, and will be used only in cases of a great rush. or an accident to some other mine. The loss of coal consequent upon the Caledonia explosion has impressed the officials with the necessity of having a spare mine to fall back upon.

The effects of the fire in Caledonia Mine have been a litile heavier than at first supposed. Not until next May will the mine by so favorably situated for a big output as it was previous to the ex-

It is intention of the company to build a low level pier at Louisburg for the handling of freight. This pier is to be built strong, and by and bye used as the foundation or substructure of a pier for shipping coal on the lines of the present pier at that port. There is also the possibility that a large coal pocket may be erected at Louisburg. If the pocket is built there will be attached to it a Robbins Belt Conveyor for quick loading of the coal into vessels.

A few months ago there was a discussion in some of the Cape Breton papers about a race track being built in Sydney. It was claimed that horse racing encouragement. Once a year is often enough to see a he admits so much he never forgets to add—"but, horse race; when it comes to once a month the thing mind you; there are three slopes there."

employing say 450 men where on a late occasion no fewer than 98 men were off work. I do not say positively the occasion was a horse race, but on horse racing days it is just as bad. The absence of so large bankhead and screens will follow. The work will be a number of men placed the colliery at a serious disadproceeded with vigorously. By the first of next May vantage. I would say it handicapped it to the extent it is calculated the colliery will be producing 600 tons of at least 600 tons for that day. I am told that a per day, to be increased to a thousand tons by the 1st horse race is eagerly embraced by a lot of the men as All the cry at the present time by users of coal is great many forget all about the horse race, and betake for the Phelan scam. They won't have any other if tnemselves to other sport, and that so uses them up a pretext for getting to Sydney. Once in Sydney a they can help themselves. Well, they are to have their that they do not care for so hum drum a thing as wants supplied, for though the Phelan at this time is work for a day or two. These remarks apply only to being extensively drawn from it is to be subjected to a portion of the men, but a portion big enough to disfurther drain. A new slope is to be driven to this arrange their employer's business. The men should seam. The location of the slope will be midway be- not forget that it is not so long since that times were tween Reserve Mines and Caledonia, a mile and three dull and earnings small. Let them make all they can quarters distant from either. In order to have the now, it not in preportion for a rainy day in the mines, which now seems a long way off, then for the time when having gathered a snug sum they can leave the will be engaged driving the slope up from the West mine for some surface pursuit. This is rather long at level in Caledonia, at the same time men will drive screed in the middle of news items, but it is peaned in

Coming tack to Dom. No. 1 the output has fallen off a little owing to the loss of a few places from the little crush that came in the mine lately, and owing to the horse haulage being too long Owing to the very large and steady output it was impossible to get new haulages ready, or to keep up the haulages in operation, as fast as the coal was mined. The horses were not equal to the long haulages: This, however, is being remedied. The angle deep is driven back 2000 ft. deep to bottom, roads are being laid and other preparations on foot for next year's increased output. The manager will not give Dom. No. 1 credit for having done its whole duty until an output of 2,500 tons daily is maintained. There is plenty of air in the mine, and of compressed air for muchines though there may be a little shortage of the latter in some places through pipes being small and drain heavy. Larger pipes are replacing the smaller. With the machines already in the mine an output of 2,500 could be maintain d if-if the loaders would not get tired. There is in operation at this mine a 500 electric light plant. There are 30 lights at pit bottom, landings, ngine house etc. The pit heal, engine houses and boiler sheds on surface have all electric lights. The thirty ton steel curs are in use here and are a great convenience, but they cannot properly be utilized until the screens are raised. The Company is not stingy in some respects. It will give Dom. No. 1 all the plant it needs for the biggest possible output. The engine is good for 3000 tons daily. The pit is to have another section delivering coal to the shaft, that is, was legitimate sport and that miners had as much there are to be three independent sections in the mine right to enjoy it as others. That is, I suppose, if they instead of two. This will make the output more could afford the money and the time, which they can- uniform and spread the work better, besides giving the not. If workers at collieries were wholly their own places a longer life. On the surface, ready for emermasters one might say not a word against their injurgencies, is an ambulance wagon with all the accessoring their business. But when it comes to employees ies. Every colliery in N. S. should have one of these. disarranging the work of their employers and inter- Mr. Mitchell the Supt. of the colliery, after holding fering with the work of their fellow employees, horse bravely out for years, now gracefully admits that the racing or any other kind of sport, should receive scant Reserve Mines can beat Dom. in output, but though

#### RESERVE MINES.

- Even if there are three slopes, to hustle 60,000 that for the 10 months of '99, the Reserve has 470,- booming at last. 000 tons to its credit speaks volumes for the management. No other colliery in Nova Scotia ever came within sight of this, through Spring Hill slopes have shouldn't they; unless it be not desirable that every-often made a remarkable showing. The new McKay, body go into the hotel business. or East Slope as it is known by the company, is contributing its share to the output. About 350 tons without exception that ever struck Nova Scotia, that

#### INTERNATIONAL MINF.

Everything is working excellently at this mine. Owing to the force not being larger than the requirements the men made a pretty fair wage this year. The ate scale, during the winter. Mr. Christianson the superintendent is pleased at the prespect of his colliery shipping 200,000 tons in '99, which beats any previous output by at least 50,000 tons. Mr. McEachern the underground manager, and Mr. Rob't Crosly, overman, are deserving of credit, or should it rather be said increase of pay, for the heavy work they have done during the past summer.

In this issue there is not space to speak of the Caledonia Mines; or the big shafts, which I visited in company with Mr. John Johnstone, the Coy's most energetic assistant manager. In Mr. Johnstone the Dom. Coal Coy have a man in ten thousand, and one who in the writer's opinion, could not be replaced in a hurry Next i-sue the Record expects to give some particulars as to Caledonia and the shafts.

In response to a demand by the steel smelters for an advance in wages of 10 per cent., the Employers' Association, representing Scotland and the north-east district of England, offered last month an increase of 5 per cent, which the workmen's executive have decided to accept. There was a conference held amongst the steel smelters, at Glasgow, September, 15th, and they and the steel manu acturers have met on the subject of another advance of wages, which are claimed by the workmen on account of the rise in selling prices. The steel manufacturers offered 5 per cent., and this the men accepted.

Andrew Carnegie has put his own name in writing to a document wherein he says most distinctly that for the sum of \$125,000,000 he will part with his entire holdings in the Carnegie-Phipps-Frick plants.

#### WHAT IS BEING SEEN AND HEARD IN SYDNEY.

During many visits made to Sydney, during the tons of coal over one bankhead is no small affair. At past eighteen years, only once-and that his latest the largeness of the output the genial superintendent visit,—has the writer returned without the phrases Mr. McVey, is of course not the least pleased man. "Times are awfully dull and "M.ney never was so Not so bad,he declares, for a colliery that has few new scarce" lingering in his ears. There are no grunblers founds to the property of the proper fangled notions and is considered an old timer. The now. If there be any inclined to growl they are cankhead is the scene of bustling activity. It is mar- afraid openly to do so lest they be charged with invellous how amidst the din and noise of the cages, and capacity to take the file at its flood which is bearing versions now amount of the knocking screens, that the weighnen many to fortune. There are no anxious looking can take tally of the weight of the coal. John Ross is faces; all countendace now I am with joy or eager still the principal weighman for the company, while anticipation. The more familiar of his acquaintances Will Corbett, faithfully performs his part for the men seizes the visitor by the cont sleeve and gleefully says The average output is 2,500 tons per cay and the fact "Ah, it took a long time to come, but the old town is

And so it is-most undoubtedly.

And so are prices at the Sydney Hotel; and why

But about the boom. 'It is a boom, the biggest daily is the output and this will gradually increase as ever struck any portion of Canada, within similar the places for men are obtained. The slope is an ease limits. Buildings are going up in all directions—to the French slope from which the men to work it except on areas which are without doubt submarine were drawn. A short railway and a large trestle con- and inaccessible. Lots are changing hands at New nect the slope mouth with the screens at Reserve. York prices. Banks are being established by the half The endless haulage system is employed and works dozen. Four and five storey brick buildings are gowell: are crowded with visitors, and the streets present a bustling appearance. "he most pleasing feature of the boom is that only one man in a dozen is met with who has not already made ten thousand dollars out of it—or is perfectly confident that he can make it at any moment. The first question put to a visitor by his friends is "When are you going to move down?" If the reply be that he has not yet given the matter serious consideration, a look of blank astonishment comes over the face of the inhabitant of the favored town, followed by a facial expression which conveys to the interrogatee no other impression than that he is looked upon-by the interrogator-as one of the 'blame lest' fools ever born.

There's no place like Sydney-so thinks a Sydney

And I am, since my last visit, almost of a Sydney man's opinion.

A Sydney man when one gets into his confidence, or when he is sure not to be given away, gives away his whole heart. One is assured that in less than ten years Sydney will be a bigger and a better city than Halifax. And then follows the mathematical demogstration-unless one is in an ill natured hurry. Ale Steel Works alone will bring two thousand employees. Taking an average of five to a family the population will then be 10,000. The Rolling Mills will bring another 2,000 employees, and add another 10,000 to the population. The Steel Works and the Rolling Mills are sure to bring at least a dozen 'allied' industries employing from 100 to 1000 men each, or, say, an average of 400 each. These with their families will add 24,000 more, to the population. There are at present 3000 native born Sydneyites who, added to those to become natives by adoption, give a total population, in ten years, of 47,000, or, adding births, say, 50,000.

The thing is quite feasible, and they don't look like fools who figure it out in this way.

By others the visitor is assured that the boom is town limits I scarcely know where to begin to speak. By others the visitor is assured that the boom is town limits I scarcely know where to begin to speak, to be an abiding one, and these endeavor by the em- Adjectives such as gigantic, stupendous, applied to the ployment of logic to impress him with their beliefs, undertaking fail to convey a proper conception of the Look here said one there is no floubt this boom is to great work now going on. As one walks over the go on and Sydney is to be 't' be placed Canada. See some of operations, sees the hosts, of men at, work, that young fellow over there. That is young V. H. and notes what has been due in the way of digging He is an only son. His father could command for and building he realized what things of magnification in all of Canada: Well the tude may accomplied by money and brains. father and the lad talked it over, and the advice of the father to the son was "go to Sydney young man" and do you think, knowing all that he knows, and all he can command, his influence, his millions, etc, that

I wouldn't, if I could, argue the point.

The old saying is "All things come to those who

Of friend A. C. Ross this may be said almost literally. After long and arduous waiting, with a bound he has at last come into his kingdom. If he still wears that imperishable suit it is not because he has to. He's a good looking man and looks well in any style of dress. He's in luck and is reported to be rich. He has been doing big things of late. First there is the large brick building which is being constructed for him, then there is his acquiring by purchase at about half cost the Sydney Hotel, and lassy there is the order he has given for the construction of no fewer than two hundred workmen's houses at The contractors for the building of these houses are the well known firm of Rhodes & Carry of Amherst and Shurman and Co. of P. E. I. thought that Mr. Ross is not the principal in this big transaction but is an intermediary, not for the Dom. Iron & Steel Coy., but for certain of its big shareholdpast policy as to building houses for workmen. but may rather grant assistance in the collection of are to be erected, 300 of them to begin with rents etc. Only fifty of the houses may be completed ground is damp, not to say boggy, and immense of original cost. If so Mr. Ross falls to make \$22,000 by the transaction.

Mr. Whitney and party spent a busy yet a pleasant week in Sydney. Mr. Whitney was in great spirits and hopes. He takes great interest in the work now being done on the site of the new steel works. Indeed his heart is bound up in the work. He considers this by far the most gigantic undertaking in which he ever was engaged, and on its success he is building higher than ever he built, feeling assured that it will be a great success and a most profitable undertaking. So great is his interest in the work that he will build a house next summer in which he will reside a portion of each month the year round.

There is talk of S, dney having a street railway in the near future. It is said that Mr. D. J. Kennelly has something like this in view. Six of the leading banks will soon have agencies here. seemingly believe in the boom and they have good sources of information.

Of the great works being erected within the

At present there are probably 1500 to 2000 men e mployed between the site of the coke ovens and the new wharf at International. The ground in every direction is torn up and shovels and wheelbarrows are he would have advissed his boy to come here unless he in motion everywhere. I noticed but one steam shovel was pretty sure this was to be 'the' best place in all of an I really its performances were not creditable. A large number of shanties are on the ground for the accommodation of the workmen and there are large shede for the storage of cement. A great pile of bricks is on hand ready for use. Work goes on night and day. Already a large wharf for the reception of supplies has been completed, the substructure of a bridge to connect the town proper with the works is already laid. The foundation for the store house, a building 1000 ft by 250 has been begun; the new offices will be occupied by Mr. Nicolson and the engineering staff in a day or two; two large sheds for fire brick, etc. have been built; there are already several branches of railways and there will be over a dozen miles of branches about the works; a large piece of the main foundation work has been finished, and the first of the furnaces, with heavy concrete as foundation for immense iron columns, looms high up in the air; other of the furnaces have been begun and the click of the hammer now It is mingles with the rumbling of the trolleys.

With plans and details at command it might be possible to give an intelligent description of the great works, otherwise it is impossible. To obtain an ade-Big companies after this are going to alter their quate idea of their extent one has to visit the locality. If The best way to view the whole site is to drop off at the private individuals can be had who will build the crossing, that is, where the Sydney and Louisburg Ry. houses the companies will not enter into competition intersects the railway to the Pier. Here the coke ovens ground is damp, not to say boggy, and immense drains, this year; the remainder will be rushed up next or let it be said canals, are being cut all around in or-spring. The average cost of the houses will be der to drain the water. These sanals seem to be 10 ft \$1000.00 each. Mr. Ross sold a corner of the Sydney deep, it being necessary to go that depth in order to Hotel property, for a bank site, for \$6000.00. The get to a level of the brook. The water for the use of hotel, seeing the boom is on, is said to be worth its the coke ovens and also for the steel works will be get to a level of the brook. The water for the use of the cake ovens and also for the steel works will be brought a distance of 9 miles in pipes 36 inches in diameter. Having 'done' the coke works site, follow the railway townwards until the Dom. I. and S. Coy's crosing is met. Take this crossing which leads to the pier. Between the crossing and the pier are situated all the works in course of construction, the distance between the coke ovens and the pier, by rail, being about two miles, and along all that route with the exception of a small spot, the ground will be occupied by 'the largest plant in Canada,

> Sydney has four newspapers. Mr. Fred Muggah, who assumed charge of Sydney's daily-the Record-is doing good work on that paper. For a time it was considered doubtful, by some, whether the paper would or would not be a success. Its success is now assured With so much favor is the paper received, and so rapidly is its subscription list and advertising patronage ex-tending, that it will be necessary to enlarge the paper at no distant date. The Record is in the enviable position of having almost as many advertisements as can be found room for. The paper is in every way a credit to the town.

## AROUND THE COLLIERIES.

The time charter boats of the G. M. A have pleted their season's contract.

The Dominion Coal Coy. shipped 48,061 tons more coal in Oct. of '99, than in Oct. '98.

The International Mine, Bridgeport has so far this year shipped 180,000 tons. This has been by far the best year in the history of this colliery.

The output of Dom. No. 1 colliery for the 10 months ending Oct. was 412,000 tons. This is a fine showing for a mine that has only one outlet for coal.

year no less a sum than 1,250,000 dollars. The sum of course includes weges paid on construction account,

The Jubilee shaft at Sydney Mines which had been re-opened for a short time for the purpose of getting be given in developing coal mining in that locality, three or four hundred tons for some special purpose has Mr. Wm. Blakemore, formerly of the Dom. (

Dominion Coal Coy. will have shipped 820,000 tons to ance business. Montresl. The shipments this year leave all previous years far in the shade.

-where the conditions are favorable. . It costs a coal company about a cent a ton to hoist coal and about 1/2 cent per ton for timbering, where the roof is fairly good.

It is said over 500 laborers will be discharged in a few weeks from the big works now going on at and Recently since Cape Breton became known to be rich in around Sydney, C. B. Unless a number of these men mineral wealth, scores of outside speculators and prosreturn to their homes in Newfoundland the labor market will be glutted.

A bore hole for pumping purposes is being put
down at International Mine. When the hole is comwell as to the men, for instance, when a mine is not pleted it will be utilized for pumping the water from the

To show how large is the output at some of the collieries we give the figures for the Reserve Mine for to months of the present year viz 465,945 tons. By the end of the year the Reserve Colliery alone will have shipped more coal than came from all the collieries in N. S. thirty years ago.

Mr. Naismith, Supt. of the Sydney & Lonisburg is for coal which is called 6 ft. 6 high. Coal 5 ft. 6 or shortly to fill an important position at Lethbridge, with a salary almost equal to that of a cabinet minister. Mr.

A number of papers which did not take their information direct from the Becomp but the supplements and the supplements of the supplemen A. N. McLennan, of Glace Bay, a gentleman who has brought himself forward in the Company's employ, will take the position when vacated.

The people of North Sydney are a little more than mildly agitated over the belief that the Nova Scotia Steel Coy. will establish works there. The specific grounds for this belief are not boldly asserted, but it is stated that Mr. Graham Fraser and Mayor ponding month in '98. The shipments to Montreal grainst 82,843 for the corresponding month in '98. The shipments to Montreal from the beginning of the season up till the end of not be the case that the consultation was over a localing period of '98. This shows an increase for '99 of specific grounds for this belief are not boldly asserted,

Eleven cars of copper ore from the mines in Colchester arrived in Pictou last week for the new smelter.

More coal has gone to the U. S. from N. S. this year than in any year since 1873 when coal was in great demand everywhere.

The P. W. A. at Reserve Mines are talking about building a hall in which to hold their meetings, as there has been a disagreement between the lodge and its late landlords.

Newfoundlanders are arriving at Sydney in The Dominion Coal Co. will pay out in wages this droves. On an recent trip of the Bruce a hundred and no less a sum than 1,250,000 dollars. The sum fifty cause over and the succeeding trip fifty.

A question engaging the attention of some of the people of Broad Cove is what place should Mr. Hussey

Mr. Wm. Blakemore, formerly of the Dom. Coal again closed.

Coy. and latterly manager at Fernie, B. C., has given lt is estimated that by the close of navigation the up mine managing for a season and is now in the insur-

There is no scarcity of miners in C. B., but laborers around the collieries are somewhat scarce at times ow-It costs the miner about 2c. a ton to blow his coal ing to men from the collieries seeking and obtaining work, at fully bigger wages-perhaps-with the Steel Coy. in Sydney.

> Almost anywhere in the vicinity can be seen prospectors engaged in searching mother earth for minerals. pectors have come in and are spending money and time in their search for all kinds of minerals .- N. S. Herald.

working steadily or when its output is small, only 27 Reserve and Dom. No. 1, until such times as a connections of coal-less or more, is hoisted for every ton of coal used in raising the coal, pumping etc. When times are brisk and the output large sixty tons are raised for every ton consumed.

The miners at International send up on an average 51/2 tons of coal per man. An average of 51/2 tons means that some men may put up as many as from eight to ten tons on occasional days. The coal in this mine is of varying height. The lowest price paid 40c.

ation direct from the RECORD but through another source where purloining had been resorted to, made the funny statement that "by the end of the year the Dom. Coal Coy will have shipped the large quantity of 60,000 tons over last year." The shipments of the Dominion Coal Coy. will be nearly 400,000 tons more than last year.

The Dominion Coal Coy. shipped in Oct. 110,106 the large quantity of 116,000.

Hood areas evidently mean business, as machinery for mining purposes has recently been landed. It is understood the new company have secured quite a few

A long siding is being put down at the Albion closely adjoining and running parallel with the main line of the I. C. R. This siding is for the accommodation of the coal castward bound, and will be a great convenience not only to the Acadia Coal Co. but to hundred and fifty feet deep. The cut was through the government. It is laid at joint expense.

The Dom. Iron and Steel Co. has a number of smart young fellows as engineers who are kept busily employed and who take interest in their work. Among them are young Gilpin, son of Dr. Gilpin of the Mines Office; young Poole, son of H. S. Poole of the Acadia Coal Co., and Van Horne, only son of the only Van Horne. The Company are fortunate, in having such promising fellows-and these are fortunate in falling upon a place where so much can be learned.

Mr. Charles Fergie of the Intercolonial Coal Cov. is coming to the front as a Mining Engineer. He is the consulting engineer of Messrs. McKenzie and Mann and the exploratory and initial work on the coal areas at Broad Cove is being conducted under the direction of Mr. Fergie. Mr. Jos. Quigley of Westville is at Broad Cove at present carrying on some work at the suggestion of Mr. Fergie. It is understood that the best location for a slope or shaft, or both, to win the submarine areas which are believed to be very extensive and to contain excellent coal, is being sought for. Mr. Fergie was out at the "Coast"

as B. C. is frequently called inspecting some coal from Louisburg 43,400 and by rail say 7000 tons.

Some of the papers are saying that the mining of coal will be brisk at Port Morien next year. RECORD would advise no one to 'bank' largely on that. It wil be two years at least, at the present rate of progress, before the Newcastle Syndicate will be in a position to put their coal in the market and that is supposing things pan out as proposed, The six foot of coal reported to have been struck is the Gowrie Seam. The shaft is now sunk to the coal, but before the company can reach their area a slant over 5000 feet in length has to be driven through the 'barrier' of the Dominion Coal Coy. And after that the levels in the Newcastle areas have to be driven. Besides all that there will be a great deal of work to do on the suface in order to put in an endless system of haulage by which it is expected to bring the coal faom the faces to the shipping pier. Mr. McDonald, who is in charge of operations will not rush things as this opening of a colliery is only a little side show of his employers. It may be that friend Ochiltree is a longer headed chap than some give him creditfor.

A steamer is kept busily employed carrying rail-way ties from the I. C. R. terminus at Mulgrave to Port Hastings for the Inverness and Richmond Railway. In the construction of this road considerable and commendable energy is being displayed. So energetically is the work being pushed that 3000 ties daily are required to keep the track laying force in opera-tion. About a mile and a quarter of track is laid daily. ings. It is expected that Port Hood-twenty-eight pealed to Sir Wilfred Laurier.

The parties who recently acquired the Port miles, will be reached, by a completed road, by the twentieth inst. A large part of the road east of Port Hood is graded, so that work of track laying will go on without interruption. Astonishment is expressed on all sides, at the rapidity with which the work is being pushed. There has been nothing like it in the history of railroad building in this province, Mr. Sinclair the chief engineer is not only a genial but a go-a-head gentleman. As an instance of what Mr. Sinclair and his force can do may be cited the case of a cutting a solid rock. Old time railroaders said it would take two years to cut through. The job was done in nine

#### COAL SHIPMENTS.

#### DOMINION COAL COMPANY, LIMITED.

Approximate Output and Shipments, October, '99.

	Output. Shipments.	
Caledonia International Dominion Reserve	39,246 18,734 47,417 60,680	184,700
14.7	166,077	184,700

Shipments to the United States during October, 1899-32,718.

The total shipments for the 10 months ended 31st. Oct. are 1,293,716 tons.

The shipments to Boston for the 10 months are

The shipments from Int. Pier were 134,300 tons;

#### ACADIA GOAL COMPANY, LIMITED.

Sales for October, 1809.

Acadia Albion	7,668
Vale	5,083
ased over October, 1898	24,961 -3,707 tons.

Incre Coke sales October, 1899-2,015 tons. Increased over October, 1898-1,483 tons.

#### INTERCOLONIAL COAL COMPANY.

Drummond Sales, October, 1899-19,166 tons.

The Venezuela arbitration award gives the British control of nearly all the territory in that country from which gold is obtained.

Notwithstanding the partial stoppage, owing to the war, of gold mining in South Africa, the world's gold production for '99 will be twice as large as it was ten years ago

The miners' strike in the Slocan district, B. C., seems to be spreading. A number of Italians have been brought to the Payne mine. These are said to have been brought in under contract. This is an infringe-The road is now completed 22 miles out from Hast- ment of the Alien Labor Law and the miners have are

#### MR. J. B. NEILY'S NEW SCHEME.

It is known in gold mining circles that J. B. Neily has been bonding a number of properties. In a letter published in the 'Industrial Advocate' he gives the names of the mines he has bonded and tells what he intends doing.

"I own and have purchased under bond or lease the following properties: Five properties at Caribou; the Stuart-Hardman properties at Goldenville which include quite a number of properties; also three properties from Mr. George W. Stuart, and the New Glasgow property at Golden file; Klondike at Killag; Lake Catcha, Lake Porter, Cow Bay. East Mine, North Brookfleld, and Gold River properties; and I am now about making arrangements to purchase the Gold Lake and another large property. There is no person associated with me in the purchase of these properties, and I have paid for and on account of same to date about \$156,000. This is exclusive of the amounts I have invested in Tangier, Cochran Hill and Oldham properties, in the United States and Ontario.

'It is my intention, at an early date, to amalgamate these properties, personally owned or held under bond or lease, with a number of others and form one large proposition.

#### WAGES IN BRITAIN.

The annual Government return on wages and labour was issued lately for 1898. The rises in wages last year far exceeded even those recorded for the previous five years. The bulk of the large increase went to the miners, who received 60 per cent. of the total increase in the wages of all workpeople. As an average, every British miner last year received 1s. 3 d. a week more in wages than he did in the year preceding, and this year, so far, the average weekly increase above 1898 for miners has reached 1s. 11d. a week each more, so that it will be seen the wages of workers are considerably increased as between now and 1897. It may be added that in no other group of miners did the average weekly increase in 1898 exceed 3d. A very favourable feature of the report is the circumstance that, taking the trade of the country generally, increases in the wages of the workers were effected without friction, for though more than a million people obtained increases of wages, in only 5 per cent. of these cases was there any resort to a strike. This shows that workmen may trust to the liberality of their employers. With respect to the general state of trade and employment as it is illustrated by this return it is interesting to note that from 1894 to 1898 each year shows an increase in the amount of time worked at the collieries. In 1894 48 days were worked; in 1895, 47; in 1896, 49; in 1897, 51; and in 2898, 5.2. On the whole the return affords convining proof of the stability and probable continuance of the present trade revival .- Colliery Guardian.

after the wife of Sir. Harry Smith, the Cape Governor after whom the Free State town of Harrismith is named, is a town of 2,000 or 3,000 "inhabitants, and is chiefly noteworthy as the sight of the important military camp where a large part of the British force in Natal is now assembled.

An eminent legal authority has advised the management of the Payne mine, B. C. that the eight hour law is unconstitutional. A test case will likely be made.

#### BESIEGED AFRICAN TOWNS

Mafeking is a smart little town on the Bechuana-land Railway about eight miles from the Transvaal border, 875 miles from Cape Town. It has a cricket ground and a race course, a 'Surrey Hotel,' and others, English, Dutch and Wesleyan churches and is the head quarters of the Bechuanaland Border Police. It is bound to be a place of important observation and supplies, and the Barolong tribe being very friendly to us, their services will be readily available and very useful, although they are no fighters. From Mafeking carts run regularly in time of peace to the Malmani gold fields and the Marico valley, where some of the most fruitful Duch farms are to be found.

Vryburg, about a hundred miles south of Mafeking on the railway to Cape town, was the capital of British Bechnanaland until that colony was incorporated with the Cape. The country around is undulating but very bare and sandy, and Vryburg itself is by no means an attractive town, although when it was the northern terminus of the railway it did considerable trade, with waggons coming from the interior. It has two or three thousand inhabitants and a number of government buildings of an unpretentious character, including a hospital.

Kimberley, 647 miles from Capetown and about 230 south of Mateking on the railway, is well known as the centre of the diamond industry, of the whole world. At the last census its population was about 29,000, of whom rather jess than one-half were whites It has a number of hotels, as well as a hospital and a sanatorium, a public libary containig one of the best collections of books in South Africa, a club. a Masonic t mple, a park with cricket and football fields, Anglican Wesleyan, Presbyterian and Roman Catholic churches; trams, cabs, and a couple of daily newspapers—the Daily Independent and the 'Diamond Fields Advertisers.' A short distance away is Beaconsfield, practically a surburb, with a population of 10,000, half whites, around the mines of Du Toit's Pau and Bultfontein. At Kimberly the diamond mines and De Beers offices would offer an irresistible temptation to the Boers, but, notwithstanding the Cape Government's endeavor to weaken the volunteer force there by recalling the civil servants, Kimberley will doubtless be a hard nut for the Boers to crack. Its defenders are North Lancashires, volunteers and engineers-about 2,500 in all-with guns and Maxims, and the debris heaps and trenches connected with the mines afford fortifications ready made.

At a distance of thirty-six miles from Charlestown, in the direction of the sea, stands Newcastle, is on the Incamb River, at the foot of the Drakensberg It is a very healthy little town, of some 2,000 inhabitants, and possesses English, Wesleyan and other churches, a town hall and a public library, and it is the center of some highly important ceal mines, as well as of a wool industry. When Sir. Henry (now Lord) boch was High Commissioner in South Africa, he paid a visit to Newcastle, and had a reception enthus assic in its loyalty—a fact which makes the necessary strategic abandonment of the town a very regrettable contingency to think of. The coal-fields extend into the Transvaal and also south-east to Glenco and Dundee—small mining towns whose names suggest the energy of Scottish founders in this promising part of Natal. Ladysmith, or Ladismith (numed

The Boston & Maine R R. began the use of coke as a locomotive fuel in April last, and the experiment then begun has proven so satisfactory as to have been continued until 100 locomotives are now in regular service with this kind of fuel. All the switching engines in the larger cities reached by the road use coke and the total number is made up by engines in passenger service. By the courtesy of Mr. T. A. Mackinnon, first vice-president and general manager, and a representative of the 'Railway age' was recently afforded ample oportunity for investigating the use of been killed and wounded." coke as fuel and for obtaining all possible imformation. The results of observation may be summed up in the statement that the consumption of this fuel by the locomotive is without indication of smoke except for ent in some quarters here that the British invasion of a slight blue haze, which appears when the engine is the Transvaal will be made from that point. working hard. The writer in one ride upon one of the coke-burning engines gave rather close attention to the method of firing practiced, which was in all par- the largest troopship in the world, sailed from Southticulars in accordance with previous information, hampton last evening for South Africa with more than Most of the firing was done during stops, although 3,000 souls on board with their kits and weapons balwith no apparant necessity for so doing, since the rule loons, bridge pontoons, and machine guns, ammuniwas sometimes deviated from. The fire box door was tion and hundreds of tons of other military necessitkept on the latch at all times. It is stated that it is ies. She takes 29 officers and 827 men of the First possible to run from 12 to 15 miles between firing, Welsh regiment, 28 officers and 961 men of the second and on the occasion in question the run into Boston Northumberland Fusiliers and 33 officers and 425 men was made without firing beyond Salem—14 miles, of various regiments and branches of the service and The train consisted of ten passenger coaches and bag- a mascot goat presented to the Welsh regiment by the

The coke used by the Boston & Maine is obtained from the New England Gas & Coke Co., closely affi- General White to administer a severe defeat to the liated with the Dominion Coal Co. The coal used is Orange Free State forces by the capture of the Boer from Cape Breton, and a large plant has been estab- camp behind Bester's Hill. For this purpose the Lanlished at Everett, Mass., from which when completed cers, Hussars, Natal carbineers and Natal Border rifles gas will be furnished to the city of Boston. On ac-started under General French at sunrise and got withcount of the present incomplete state of the piping, in striking distance before the enemy were aware of the production of coke, ostensibiy a by-product, has their presence. A field battery was also sent and it been the main business. The Boston & Maine uses as secured a good position, commanding the enemy scamp bout 300 tons per day, and will make use of a consid- which was a large one, laggared with army wagons and erably larger quantity as soon as increased facilities other vehicles. enable it to be obtained. The Main Central obtains a small quantity from the Boston and Maine and the small quantity from the Boston and Maine and the good guns. At 9 o'clock the British opened fire, the Boston & Albany, on which road coke has been used Boers replying with spirit but bad aim. The British to a limited extent for a few months, obtains its supplies from the manufacturers.

those who have given the matter the most careful ing precipitately, leaving many dead and wounded as study, that with the reduction in cost brought about well as the whole camp and equipements in the hand by improved methods of manufacture, coke has assumed a definite place among locomotive fuels. Presid- the Orange Free State commander and possibly will ent Tuttle unhesitatingly expresses his belief in it as the ideal fuel, and the experience of his road in its use should go far towards bringing about its consideration by other roads upon which the smoke nuisance is a problem."

The Yukon country is no longer the remote, perilous, comfortless region we had pictured it but the other day. What with railroad and telegraph communication and the commercial and social facilities a mod. Gordon Highlanders at Dargai. ern community is bound to surround itself with, any where, Dawson City is to-dsy a reasonably cheerful place to live in, Among other instirutions it has a board of trade, whose first meeting and election of officers has been held.

The Daily News has a despatch from Ladysmith dated Tuesday at 10,30. which gives the first independent account of the cutting off of Lieut. Col Carlcon's column in the engagement at Farquhar's farm. The

correspondent says.

"The column was sent out Sunday night, made a wide detoure and reached the spurs of the Drakensberg before dawn. Col Carleton stormed the heights with the bayonet and maintained his position against Mr Henry Bartlett, superintendent of motive power great odds, until his ammunitien was exhausted and surrender became inevitable. Nearly 200 had then

> The report comes from Rome that Portugal will permit the landing of British troops at Lourenzo Marques. This coincides with the view strongly prevail-

> London November 5.—Troopship Kildonan Castle

November 5-A feint of artillery firing enabled

Bester's Hill was well fortified and provided with quickly sent a 42 pound shell into the camp, inflicting from the manufacturers.

terrible loss and spreading panic among the enemy
There seems to be little question in the minds of Our cavalry then stormed the position, the Boers fleeof the British. The success will upset the plans of prevent them giving further trouble from the west.

Daar Junction, November 6 .- A citizen of Kimberley, who has just got through the enemy's lines, says the sortie made by the British last week was a brilliant affair. The enemy outnumbered the British but were thoroughly thrashed.

The Ninth Lancashires were the heroes of the day. The manner in which they charged the superior force of the enemy on the hill was as fine a performance as the

Estiourt. Natal, Saturday November 4 .-- It is reported that the Boers lost 800 in killed and wounded and captured in Thursday's battle on Tatham's tarm, near Ladysmith. The fighting was resumed yesterday (Continued on page 18)

to the surface, but during shift sinking operations the farm. Again they were driven back with loss on their maintainance of a sump sufficiently deep to dip from camp. is impracticable.

The Vacuum Builing Tank herein illustrated was patented by Mr. Ross E. Browne and assigned to

Fraser & Chalmers. By its employment the difficulties and inconvenience usually experienced in removing limited quantities of water from the uncompleted shaft are obviated.

The apparatus consists of a large vacuum tank which may be lowered and hoisted rapidly in the shaft by means of an ordinary hoisting or winding

engine located on the surface.

The tank is lowered to a point near the bottom of the shaft and connected by means of a coupling with the vacuum pipe leading to the vacuum pump on the surface which may be driven continuously or intermittently by steam, compressed air, electric current, water power or otherwise as may be most convenient.

The operation of this pump produces the vacuum in the tank which draws the water from the shaft bottom through a strainer foot valve, suction hose and

suction valve.

When the tank is filled with water, the coupling is loosened and the tank is then hoisted to the surface to be emptied and returned to the bottom of the shaft where it is reconnected with the vacuum pipe and is then ready for re-filling.

The coupling is preferably connected with the vacuum pipe and with the tank by means of flexible vacuum hose so as to occupy a position readily accessible to the miner and is most suitably constructed to cut off the air-intake when uncoupled and open the same when coupled. Similar couplings are in common use for other purposes at the present time.

The tank is best provided with shoes to run in guides in the shaft, its construction also involves the use of a self-dumping valve operated by a rod passing through a stuffing box at the top of the tank and connected with a lever which is automatically tipped by a stationary guide at the surface the discharging water being carried through a water trough. Similar arrangements for automatically emptying the tank are commonly used in bailing.

Additional hoisting capacity is not required where double hoists are already provided as is very frequently the case-one for each of two compartments.

bailing while sinking as a rule is not objectionable, shafts generally have two or more compartments only one of which is used for hoisting the rock from the bottom of the shaft.

use in vertical shafts, but it may be adapted to in-

self by its simplicity.

the usual amount of wear and tear, necessitates less labor in handling and is more easily kept in order than the sinking pumps in ordinary use.

Further information concerning the device may be obtained by addressing the manufacturers, Fraser & Chalmers, Chicago and London.

bailing tanks, water buckets or kibbles and hoisted (Friday) the Boers firing from a hill near Hepworth's

London, Nov. 7-A despatch to the Daily News from Escourt, Natal, some distance south of Colenso, on the road to Pietermaritsqurg, dated Nev. 3, states that the evacuation of Colenco was absolutely necessary because the Boers greatly outnumbered the British garrison at that place. To continue there meant to invite disaster.

The Boers had been reinforced by a commany of Orange Free State troops, which brought the total

strength of the enemy op to 5,000 Nothing has pleased Englishmen more than the reports that crowds in New York, Chicago and St. Louis have cheered the bulletins announcing that the

naval guns had silenced the Boer forty.pounders. Fransports have just been secured for the Woolwich Howitzer Brigade, which will be hurried to the Cape. The brigade has ten thousand rounds of five inch Lyddite shells, awaiting it. According to the estimates, a single shell falling into a compact body will kill three hundred men. It was demonstrated in the battle of Omdurman, which destroyed the army of Khalif Abdullah, that large number of Dervishes were killed by suffocation, while hundred of vultures and eagles fell upon the battlefield from the same cause.

Nov. 7 .- To-night's welcome despatches form the the front have rent the vail of gloom enveloping Ladysmith, showing the British garrison not merely standing on the dogged defensive, but executing a series of brilliant sorties. Reports from different sources agree that the Laconic official description of Thursday's enengagement as "an effective shelling of the Boer laager unduly modest.

It appears that Gen Sir George Stewart White ent a strong force of cavalry and infantry to attack the Boers at Tatham's farm, about ten miles to the northwest, near Bester, and apparently achieved a surprise, the Bores being caught on the open veldt and cut to pieces and camp captured.



SEALED TENDERS addressed to the undersigned, and endorsthe utilization of one hoisting compartments or ing while sinking as a rule is not objectionable, fits generally have two or more compartments only of which is used for hoisting the rock from the which is used for hoisting the rock from the shaft.

The tank is described as specially designed for in vertical shafts, but it may be adapted to invertical shafts,

By order, E. F. E. ROY,

Department of Public Works) Ottawa, Oct. 28th; 1899

Ottawa, Oct. 28th; 1899

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this Department will not be paid for.

#### ROBERT LIVINGSTONE'S WARD.

CHAPTER VIII.

Her teachers were very kind. It was simply a pleasure to teach her, she was so eager for knowledge—so de-ermined to master every difficulty that stood in her way; and they were no less proud than Gertrnde herself, when, at the end of the year drew nigh, she stood among the first in her class

She had developed, too, a great taste for painting while her voice, under careful cultivation, gave promise of becoming a source of delight to herself and her friends.

She heard from Allan regularly once a month, and she replied to every letter faithfully, although her own epistles were always very brief, and she said just as little as possible about herself and her pursuits.

Allan had approved most heartily her plan of going away to school, and was deeply interested in her progress although he had to depend more on accounts from his mother regarding that, than upon Gertrude.

Who writes to you in such a fine, bold hand, and from a foreign port, too, Gertrude?' Rose asked her one day, as she came into their room, bringing a letter that the professor had just handed her.

'Oh, this is from Allan,' Gertrude returned, seizing it eagerly, but coloring vividiy at her friend's question.

'Allan, indeed! And who may 'Allan' be, if you please?

'Why Allan Livingstone, of course.'

'Oh, your brother!' returned Rose, jumping at con-'What is he doing in Paris?'

'Studying to be a physician.'

'How old is he?'

'Twenty-one.'

'Well, I must say you are extremely quiet about your affairs! exclaimed Rose, in surprise. 'No one would have dreamed that you had a brother from anything that you had ever said. Pray, have you a picture of this noble youth?' 'Yes there is one in my trunk,' Gertrude admitted, but

feeling greatly embarrassed

Does he look like you?'

'Not at all; he is very handsome,' Gertrude said, unsciously emphasizing the pronoun,

'Indeed! Do you mean to imply that he is the only with a roguish twinkle in her eyes. yourself?

before she knew what she was saying

and speaking with indignant emphasis.

Gertrude laughed.

forgotten it,' she explained, but with heightened color. 'I should like to know what reason any one had to in-

sult you in that way?' said Rose, with spirit.

rude, gravely. 'Less than a year ago 1 looked entirely different from what I do now. My hair was red, coarse, gan to dread going back to Livingstone Elms. She had frowsy; my face was one mess of unsightly freckles;I measured and weighed half as much again as I do now; and all this, besides being very careless and untidy in my personal ap- friend and chum to spend the vacation with her at Long pearance, contributed to make me anything but attractive.'

amazement. 'Whoever would believe it? What changed ment, Gertrude was only too happy to accept it.

the color?

'I had a terrible illness-brain fever-and my hair had to be shav. n off, and when it came out again it was no longer

'No. it is a beautiful, glossy brown; and Gertrude, there isn't the suspicion of a freckle about you. Your skin is as smooth and tair as a piece of satin; you have a beautiful color, and your eyes are simply glorious; you are just as lovely as you can be, and growing more so every day; you're the queen of the class. A 'dowdy!' Gracious! I'd like to box the ears of whoever said it!"

Spare me, Gertrude said, putting her white, delicate hands up to her cheeks, and laughing at her friend's compliments and undisguised disgust over what she had told her. I know I am changed, but I am atraid you have exaggerated the improvement.

'I haven't. But I suppose you want to read your letter from that precious brother of yours; so I'll vanish, until you are through, then I shall insist upon your showing me his picture.

She dld not forget, as Gertrude hoped she would, but made her dive to the depths of her trunk, and bring up a photograph of Ailan, that he had sent her the last year he was in college.

Rose was delighted with it.

'He is like a young prince!' she cried. 'You bad girl! Why have you concealed all this beauty in the bottom of your trunk? He isn't a bit like you, though. I guess he must resemble his mother, and you your father. We'll just put this treasure in the most conspicious place we can find, and it will be such fun to see the girls open their eyes, and wonder who he is.'

'No. Rose, don't,' Gertrude pleaded, with a troubled look, as the gay girl was proceeding to place the picture upon a bracket just beneath their looking glass, because girls always look in the glass the first thing when they enter a room, and they'll be sure to see it here,' she said.

Gertrude could not tolerate anything like deception, so she would not say that Allan was her brother, and she could not tell her miserable secret, and acknowledge him as her

ng greatly embarrassed.

'I would like to know why you are so obstinate about 'Do let me see it. I am crazy to know what he is like. it,' retorted Rose. 'I declare I feel personally aggrieved that you should have kept this fascinating face concealed from me all this time. Have you been atraid that some of us would fall in love with him, and you have other for him? Perhaps he is even spoken for already, and you thought handsome one in the family?' demanded Rose, dryly, but some of our innocent young hearts might be endangered to What do you call no purpose. Come, be a dear, now, and let me put the self?' picture where I want to. I'll make the girls think that he 'I am a—dowdy,' came from Gertrude's lips, almost is a very particular friend' of mine.'

But Gertrude would not; it was too painful a subject 'What do you mean?' exclaimed Rose, in astonishment, to be talked about, and she would not run the risk of hav-

ing to answer uncomfortable questions.

Rose saw that something was troubling her-some-Oh some one called me that once, and I nave never thing that she did not wish to explain—so she returned it to her after a time, and said nothing more about it, though she could not help wondering how any one having so handsome a brother as Allan Livingstone appeared to be, could re-'More reason than you imagine possible,' replied Gert- frain from talking about him and betraying a pride in him.

As the long summer vacation drew near, Gertrude bebeen so happy at school. But she did not have to go back. Permission came to Rose from her mother to invite her Branch, where the Taylors had a lovely residence, and Mrs. Your hair red!' gasped Rose, almost breathless from Livingstone, upon being consulted, agreeing to the arrange-

So the middle of July found the two friends by the sea.

#### CHAPTER IX.

Mrs. Livingstone went to Long Branch also She had been very loth to give up Gertrude for the whole vacation, but remembering what she had once said about her dislike for Livingstone Elms, and her aversion to her husband, she had not the heart to oppose her request to be allowed to visit Rose.

She felt, however, that she could not be denied her society altogether, and so she resolved that she would herself spend the summer at the same place.

She had seen her but once or twice since she left home, but she realized from her letters that a great change had taken place in her.

Her accounts of her life at school were very entertaining, and well written, both as to penmanship and syntax. They were very cheerful also, while occasionally she would indulge in little pleasantries that were exceedingly gratifying to Mrs. Livingstone's sympathetic heart, for they told her she was happier than she had been.

Then at Easter Mrs. Livingstone had received an exquisite little picture, painted by the young girl's deft fingers, and which had displayed a rare gift, as well as great care and nicety in execution.

'My daughter will yet be an accomplished woman ! was the gratified woman's comment upon receiving this token of remembrance. 'We shall be very proud of her by and by. Allan will never have reason to say again that she is ignorant and uncultured, while as for her personal appearance, she was growing very lovely the last time I saw her, and I foresee that when he returns he will be very likely to fall in love with his own wife. I must really make her sit for some pictures, and send him one.'

When she met Gertrude at Long Branch she found her in perfect health, and greatly improved every way. seemed happy, yet at times that old wistful, pathetic look would return to her eyes, sending a keen pain through Mrs. Livingstone's heart, and convincing her that the old sorrow was not forgotten.

She brought a whole trunk full of pretty things for her to wear at the sea side, and it was a perfect delight to her to see how charming she was in them, while Gertrude herself betrayed pleasure in her wardrobe.

It was not because she was growing vain of her good looks, but it was such a comfort to know that she was no longer ugly, and that no one could criticise her unkindly.

unalloyed pleasure.

Rose had her pony carriage and they drove every where together. Mr. Taylor had his yacht and they made such delightful excursions during the long hot days. Mrs. Livingstone was close by in the West End Hotel where Gertrude could see her at all hours, and where too, they often went to hops and receptions. Then she had her letter from Allan and she was becoming conscious of a pleasant change in them.

He no longer wrote in a superior, half-patronizing, sort of elder brother style. ' It was as if he had begun to recognize a difference in her and addressed her as an equal.

He was making a tour of the Alps and Switzerland that summer, and had a great many entertaining things to write about; and one thing in particular struck her-his letters to her were very much longer than they had ever been, while those to his mother were proportionally shorter. Still, there was never a tender passage in them; not a single word to show that she was anything more to him than she had been in the cld days of their childhood.

But all halcyon days must have an end, and so this beautiful vacation time passed all too quickly. September drew on apace and with it the time for returning to school.

(To be Continued.)

### FIVE DOLLARS FOR TWO

We cannot say that we are greatly in favor of club-bing the RECORD with other papers. But perhaps it would be unwise to a lopt any bard and fast rule. The RECORD is not a newspaper in the ordinary sense, though it does give the latest and best news in regard to mining and kindred subjects. Recognizing this fact it may be well that we put subscribers in the way of obtaining a paper that will give to them all the news in the best form. / Our readers do not belong to one political party, therefore we do not offer them one choice, but two, For those who are liberals, we are pleased to announce that we have

been able to make most extraordinary liberal arrange-ments with the publisherso of one of the greatest of Canadian dailies-the Montreal Daily Herald.

The Herald has achieved a well-deserved reputation for the remarkable value it gives its readers. It is one of the most enterprising newspapers in the Deminion, and in thousands of home circles is welcomed on account of the great interest it manifests in subjects of special interest to the family. It is admittedly the favorite daily of the women of Canada. To the farmer and business man, it appeals through its accurate market price and business columns. To the young men, through the attention it bestows on clean, manly sport. To the lover of fiction, through the excellent stories appearing regularly in its columns. To the politician through the calm and moderate tone of its editorial expressions.

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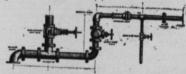
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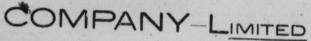
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