

evidently a fissure vein. It should be a good property on which to test deep mining.

Mr. Sanders is now removing the water from the Lake Lode Mine, with the intention of working the property.

The Truro Company are quietly opening up their mine, and we hope to soon have good returns from that direction.

OLDHAM —The Hardman and Taylor properties continue their large gold yields, and it is reported that the yield last month was some 600 ounces.

There were a number of simultaneous applications on Monday last at the Mines Office for area 560, the lease of which had expired, and in consequence, under the Act, it will be put up at public auction to the highest bidder. On the previous Saturday an area was forfeited in the same district, and as there were a number of applications this was also put up at auction.

THE IRON INDUSTRY.—The Works at Ferrona.—The development of the iron business in Pictou county should prove an incentive to those interested in iron in Cape Breton. Only a year ago the extensive iron works at Ferrona, Pictou county, were established, and to-day there is one of the finest enterprises in Canada located at that place. Ferrona is reached by the I. C. R., and is some five or six miles from New Glasgow. After leaving the I. C. R. the railway of the N. W. Glasgow Iron, Coal & Railway Company, the company owning and operating the industry, is taken up to the iron works. The railway of this company is 15 miles in length and taps the valley of the East River, one of the finest farming localities in the Maritime Provinces. The New Glasgow Iron, Coal & Railway Co. gives employment to some 500 men in connection with their magnificent plant at Ferrona. This company uses 300 tons of coal each day for coking purposes, 200 tons of ore and 100 tons of limestone, coming from the deposits which this railway taps further up the East River. Passenger trains run over the line, which has half a dozen different stations on the road, and is of incalculable benefit to the farmer, in affording means of access to a lucrative market. The splendid plant at Ferrona strikes the observer as almost occupying the position of a town itself. The furnaces, the stock-house, the coke ovens, the engine house and the offices of the company cover indeed quite an acreage. The furnace turns out about 90 tons of pig iron each day. There are four cuts in the 24 hours. When the cast is running out the molten matter finds its way into the pigs all ready for its reception, and when cooled and culled adds one more tier to the pig iron ready for transportation and manufacture into steel. The moving mass of fire as it seeks its prepared abiding place is one of the most attractive features of the whole work, because, for one thing, it is the climax—the practical outcome of all the previous material and labor—the production of man's art and thought as it comes in touch with the arranged elements of nature. The furnace is charged with the regulation quantities of ore, limestone and coke. There is a coal-washing plant where all the coal is purified before being coked, being thus eliminated of sulphates, phosphates, &c. There are 50 coke ovens at Ferrona, into which the coal thus purified is dumped and made. This coke plant is one of the finest in America. It is of German design and is managed by Mr. Zirker, who formerly held a responsible position in the famous Krupp gun works in Germany. There are all the modern improvements of utilizing the waste gases from the blast furnace, and coke ovens for generating steam and heating the hot blast stoves. At one time this hot gas was belched out and lost, but it is now utilized, no coal now being used for generating steam. There is a laboratory on the grounds, in which Mr. J. D. Fraser, son of Manager Graham Fraser, is the chemist, and who analyses the iron ores, limestone, coal, coke, pig iron and slag for the furnace. All these things are necessary so as to know what is being done. Everything to day in this business is told by analysis, not by rule of thumb. The New Glasgow Steel Works obtain their pig iron for manufacturing into steel from Ferrona. The home supply of pig iron is something never before accomplished in Canada. Heretofore all pig iron was imported from Scotland, Norway, Sweden and Spain. As a result of the supply from Ferrona, the steel works at New Glasgow is certain to more than double its present capacity in the course of a year or so, being no longer obliged to depend upon the importation of pig iron. Instead of one blast at Ferrona, there will soon be three or four. The steel works at New Glasgow employ about 500 men, and thus the iron and steel works combined give labor to more than 1,000 men. These two immense enterprises are under the same vigorous manager, Mr. Graham Fraser, to whose energy, courage and foresight is due the great iron development of Pictou county. Mr. Harvey Graham is the energetic secretary of the Ferrona Iron Works, whose place during part of this season, during the former's absence in Upper Canada on business connected with the works, has been efficiently filled by Mr. Frank Rice, a Cape Breton boy. The accountant at Ferrona is Mr. F. M. Pauley, who will be remembered by a number of old time friends in North Sydney. The splendid condition of the iron industry in Pictou has many lessons for the people of Cape Breton. There is every evidence of there being iron in large workable quantities in this county. It now remains for our friends here to seek for means for developing these rich resources of ours, and by every possible manifestation of push and courage on our own part been able to invite push, courage and capital from abroad.—N. Sydney Herald.

IRON ORE FROM ARISAIG.—Mr. W. E. Sproull, of Pictou Landing, has a contract with the New Glasgow Iron and Coal Co. for transporting a large quantity of iron ore from the company's mines at Arisaig to Pictou Landing, whence it is conveyed by rail to Ferrona. The ore is being carried in a lighter, which is towed by J. Matheson & Co.'s tug *Elsie*, under command of Capt. Peter Graham. We understand the ore is of a very superior quality.

The Whiteburn Gold Mining Co. are now making extensive cross cuttings on their property. Some rich leads have lately been discovered.

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DRAUGHTS-CHECKERS
All communications to this department must be addressed directly to the Checker Editor, Mr. W. Forsyth, 36 Grafton St.

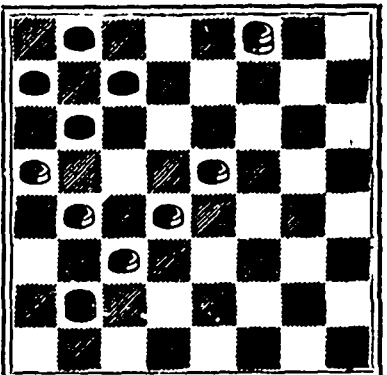
To CORRESPONDENTS.
HENRY DEE, Halifax.—You are right. There is no win in Problem 340.
O. MCGILL, Yarmouth.—Our reply to you is the same as above.

SOLUTION.
PROBLEM 341.—The position was:
Black men 5, 13, 17, 27. White men 19, 25, 30, king 10. Black to play.
5—9 27—23 17—23 9—13
19 15 7 2 25 18 25 21
27—31 23—27 23—14 14—18
15 11 2 7 a-30 25 drawn.
31—27 27—23 13—17
11 7 10 15 15 10
a15 10 at this point will also draw.
Thus:—
15 10 7 11 10 17 11 15 15 10
14—17 17—14 13—22 9—14 14—17 drawn.

GAME 226—"EDINBURG."
Played between G. M. Keilly and G. H. Slocum at Chicago.
9—13 27 24 10—15 7
22 17 5—9 19 10 30—25
13—22 23 18 12—19 23 17
25 18 9—13 31 27 13—22
11—15 18 11 3—8 7 10
18 11 7—23 27 24 14—18
8—15 26 19 1—5 10 14
24 19 10—14 24 15 18—23
15—24 30 26 14—18 14 17
28 19 2—7 a-10 7 23—26
4—8 32 28 18—25
29 25 7—10 7 2 black
8—11 24 20 25—30 wins.
25 22 6—9 26 22
11—15 20 16 9—14
a 26—23 here—draws.—W. F.

THE CANADIAN CHAMPIONSHIP.
The Toronto Club has not as yet made known its intentions as to the nature of the trophy they intend to provide for the above match, further steps cannot be taken until this has been decided upon.—W. Forsyth.

PROBLEM 343.
By Mr. Jas. Lees, in Glasgow Herald.
Black men 1, 5, 6, 9, king 25.



White men 13, 15, 17, 18, 22, king 3.
White to play and win.
This is a fine study for beginners, for although white is a piece ahead the win is by no means easy.



A Bright Lad,

Ten years of age, but who declines to give his name to the public, makes this authorized, confidential statement to us:
"When I was one year old, my mamma died of consumption. The doctor said that I, too, would soon die, and all our neighbors thought that even if I did not die, I would never be able to walk, because I was so weak and puny. A gathering formed and broke under my arm. I hurt my finger and it gathered and threw out pieces of bone. If I hurt myself so as to break the skin, it was sure to become a running sore. I had to take lots of medicine, but nothing has done me so much good as Ayer's Sarsaparilla. It has made me well and strong."—T. D. M., Norcutt, Kans.

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