

"We are forcibly reminded of the fact expressed in our caption by the following bit of mining history which we extract from a remarkable issue of the Salt Lake Tribune, of the date of March 10th, from which we propose to make many excerpts hereafter for the benefit of Eastern readers:

The Ontario mine was discovered by the merest accident, the turning of a loose cobble-stone of ore in the bushes on the side of Ontario Gulch. A narrow little trench of a few feet long was found to be full of rich ore, and the field was sold to Hearst, Chambers & Haggin for \$30,000. The Ontario Silver Mining Company was organized and a great deal of money expended in mill and mining plant and development before any ore of consequence was taken out. To date, the mill and mine plant have cost nearly three million dollars; the product has been about twenty-three million dollars; the dividends paid \$10,775,000. A drain tunnel, a mile long, takes the water from the 6th level. A second drain tunnel, three miles long, now being excavated or driven, will intersect shaft 2 at the 15th level. The vein has been opened on the strike 4,500 feet to the 10th level, and there are reserves above this level sufficient to employ the mill for four or five years. Before these reserves are exhausted the long tunnel will be completed, and there will be 4,000 feet in length and 500 feet in depth of dry ground to work out. The mine has paid regular dividends, with only a few months interruption, exactly thirteen years; it has, we are assured, four more years' work yet above the 10th level. At the same rate, there are eight and one half years' work between the 10th and 17th levels; and, if the formation continues and the vein retains sufficient fertility, it may be worked by pumps to the 25th level seventeen years more, or in all forty-two and one half years. Dividends of \$900,000 a year have been so long paid that they are looked for as confidently as the payment of interest on Government bonds.

Forty years of life for such a mine means the wresting from the fissures of \$75,000,000, and the payment of \$40,000,000 in dividends. Yet one year the ore ran down to \$67 per ton, and one-fourth of the mine was offered for \$375,000, and after examination declined. And yet again, notwithstanding the fact that the first ore taken from the little trench spoken of sold in Salt Lake for \$245 a ton, the chances are ten to one that if the owners had not unlimited means, this unequalled mine, which was naturally a water geyser, would have been abandoned the same as the Devonport, or the Wellington, or the McHenry, or the Hawkeye, or the Lowell are, and as the Crescent, the Woodside, the Wasatch, and a hundred other Utah mines at one time or another have been.

The Daly is a continuation of the Ontario westward, and it took four years of outlay to work this mine to the dividend-paying stage. Blind tunnels were run into the banks of the gulches, and a shaft put down 500 feet, and levels and cross drifts run, pumps set and compressors and hoisting plant put on, and a mill built, and long after that when dividends had begun, a considerable interest in it was offered for sale at the rate of \$200,000 for the whole. Its total dividends are now ten times \$200,000, and its life bids fair to extend side by side with that of its foster father, the Ontario.

There are mines still west of the Daly and east of the Ontario, and alongside of both, doubtless as good as they are. It is a wonderful district, full of prospect holes, of tunnels and adits and shafts stopped just short of fruition. There was the Woodside, abandoned for eight years, then taken up and proved a bonanza, and that has revived a whole group of mines in the vicinity and other localities, and thoroughly broken up the superstition that there was but one mine or one vein in the district. The Anchor, the Alliance, the Crescent, the Apex, and at least a score of groups within three miles of Park City, need nothing but judicious working to make great mines of them."

MONTAGUE.—Reports from this district are as encouraging as usual, and the returns as will be seen by a reference to the official list are very large.

MOLEGA ITEMS.—The Caledonia Mine at Molega is looking better every day. The South Lead is producing fine specimens of free gold that are hard to beat anywhere. The work of mining is pushed with energy and intelligence, and quite a force of prospectors are trenching to the southward across the formation. At the 100 foot level on the Mill lead a Diamond Drill is in operation prospecting the ground to the northward. As this Drill is the first of its kind put in operation in this county, a few descriptive words may be in order. This drill is in reality a tube with bits of carbon or crude diamond set at the end. The movement is of course a rotary one, boring, not drilling, and the result is a core about an inch in diameter. This drill can be operated in a horizontal or perpendicular position. In this case it is working horizontally with the object of cutting all the leads, and when the core is taken out the lead is located, and its thickness at that point ascertained, and works from the surface may be prosecuted with confidence. This is not only cheap prospecting, but it has the advantage of cutting any "capping" leads that may occur in the formation.

To Mr. Gilbert Parker is due the credit of introducing this novel and useful machinery.

The new ten stamp mill is now in operation on the premises. It is furnished with automatic feeders, and a superior rock-breaker. The facilities for raising the ore, dumping and conveying to the breaker, are very complete. Altogether, the prospects at the Caledonia are excellent, and if the property turns out first-class it will be no more than its energetic and courageous owners deserve.—Gold Hunter.

The last clean up at the Graves Mine, Whiteburn, resulted in a brick of gold weighing 93 ounces, which was the result of only nine days crushing.

It is rumored that a considerable vein of gold was recently discovered in the Railway Cut near Victoria Bridge, Digby Co. We hope that the anticipations of a rich lead may be fulfilled.—Gold Hunter.

CHESS.

Solution to Problem No. 11, K to K7. Solved by C.W.L., R.H. Cooper, and J.W. Wallace.

INTERNATIONAL CORRESPONDENCE TOURNAMENT.

60 Canadians vs. 60 Americans. Commenced 1st Nov., 1888, concluded 28th February, 1890.

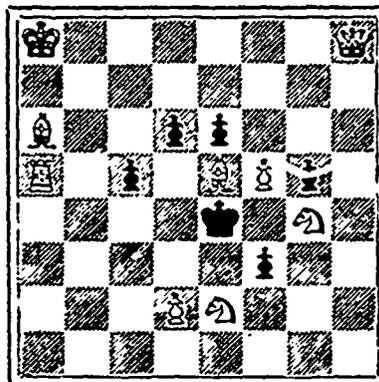
SCORE.

Canadians, games won	16	
" " drawn	7½	23½
Americans, won	29	
" " drawn	7½	36½
		60.

PROBLEM No. 13.

First prize two-mover in Bristol Mercury.

By H. Cudmore, London. BLACK 6 pieces.



WHITE 9 pieces.

White to play and mate in 2 moves.

GAME No. 14.

From the Staunton's "Chess Tournament," 1851. First game in the match between Mr. Wyvill, Junior, M. P., and Mr. Lowe.

FRENCH DEFENCE.

WHITE	BLACK
Mr. Lowe.	Mr. Wyvill.
1 P to K4	P to K3
2 P to QB4	P to QB4
3 Kt to QB3	Kt to QB3
4 P to KB4	Kt to KR3
5 Kt to KB3	P to KK13
6 B to K2	B to KK13
7 Castles	P to QR3
8 P to Q3	R to QKt
9 P to KR3	P to Q3
10 B to K3	Castles
11 Q to Q2 a	Q to K2 b
12 P to KB5	Kt takes KBP c
13 P takes Kt	KKtP takes P
14 QR to K	P to QKt4
15 B to Q	P to QKt5
16 QKt to K2	P to K4 d
17 B to KR6	P to KB3
18 Kt to KR4 e	P to KB5
19 QB takes B	Q takes B
20 K to R2	Q to KR3
21 KKt to KB3	K to R
22 QKt to KKt	KR to KKt
23 Q to KB2	QR to Kt2
24 KKt to KR4 f	KR to KKt6
25 B to KB3	QR to KKt2 g
26 KB takes QKt	Q takes KKt
27 B to KB3	QR to KKt3
28 B to K4	QR to KR3
29 Kt to K2	Q takes RP ch, wins.

NOTES.

- a Evidently meditating the advance of his KBP to win the Kt.
- b Black overlooked the purport of his adversary's last move. He ought to have played K to R, to afford his Kt a place of retreat.
- c Black appears in no way dismayed by his loss. On the contrary, it seems to have animated him with

more energy and resolution, and to have given a higher cast to his play. d These Pawns already assume a portentous aspect.

e This is playing the enemy's game. What possible advantage could Mr. Lowe expect from moving the Kt here? f Again this unfortunate Kt is marched bootlessly back to his old glorious post.

g The whole of this latter part is capitably played by Black.—Gazette.

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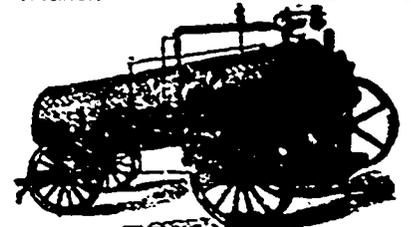
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