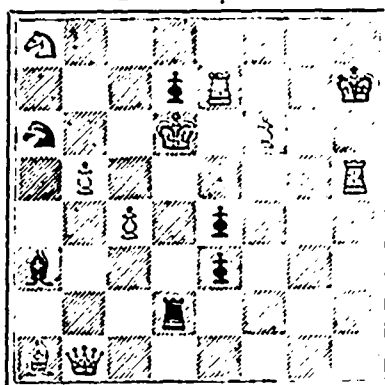


CHESS.

PROBLEM No. 113

By W. GLEAVE.

Black 6 pieces.



White 11 pieces.

White to play and mate in two moves.

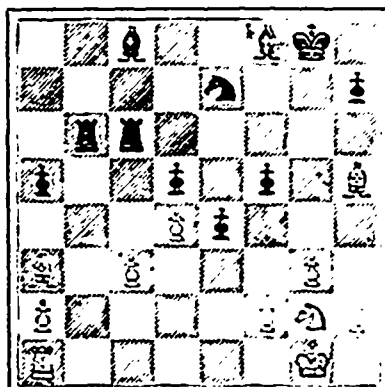
GAME No. 113.

The following is a game between Gunsberg and Lasker, recently played at the Champion's Tourney in London. It is a fine specimen of the Two Knights Defence. The variation selected was played by Gunsberg at the Manchester Congress of the B. C. A., and against Tchigorin, and also by Bird against Schallop at Manchester in 1890. White naturally labors under difficulties to develop his queen's pieces, and that should prove fatal against a dashing opponent.

Two Knights' Defence.

White.	Black.
I. Gunsberg.	E. Lasker.
1 P to K4	P to K4
2 Kt to KB3	Kt to QB3
3 B to B4	Kt to B3
4 Kt to Kt5	P to Q4
5 P takes P	Kt to QR4
6 B to Kt5 ch	P to B3
7 P takes P	P takes P
8 B to Q3 (a)	B to B4 (b)
9 Castles	Kt to Q4
10 Kt to KB3	Kt to KB4 (c)
11 Kt to B3	Castles (d)
12 B to K2	R to Keq
13 P to Q3	Kt to Q4
14 Kt takes Kt	P takes Kt
15 Q to Q2	Kt to B3
16 Q to Kt5	B to K2
17 Q to R5	P to Kt3
18 Q to R6	B to Bsq
19 Q to Kt5	P to B3
20 Q to Q2	P to QR4 (e)
21 P to Q4	P to K5
22 Kt to K-q	R to Ktq
23 P to QB3	P to B4
24 P to KKt3 (f)	P to K5 (g)
25 Q takes P ch	Q takes Q
26 B takes Q	K takes P
27 B to R5	R to K3
28 B to B-q	R to QKt3
29 Kt to Kt2	Kt to K2
30 B to R3	R (K3) to QB

Black 11 pieces.



White 11 pieces.

- 31 B to B5 (h) R takes B
 32 P takes R R to QR3
 33 KR to Qsq R takes P
 34 Kt to B4 B to KKt2
 35 QR to B q B takes P
 36 Kt takes QP (i) Kt takes Kt
 37 R takes Kt R takes R
 38 R takes B B to Q2
 39 B to K2 (j) K to Kt2
 40 K to Bq K to B3
 41 R to B-q F to K4
 42 K to Ksq B to Kt4
 43 B takes B R takes B
 44 P to QR1 R to Q4
 45 R to B7 R to Q5 Drawn.

NOTES.

(a) The theoretical move is 8. B to K2.

(b) Threatening 9 B takes P ch; 10. K takes B, Kt to Kt5, ch, & .

(c) A pretty move. It threatens, if 11. Kt takes P. 1...Q to Kt 4, with a winning attack.

(d) He should have taken the Bishop now, leaving White two weak centre pawns.

(e) He should have taken now the open file with the Rook.

(f) In order to develop the Knight at Kt2.

(g) By this means Black breaks the phalanx of White's Queen's pawns, since he gets the Q KtP for the one he gives up.

(h) White should have foreseen the possible sacrifice of the exchange, which improves Black's position.

(i) The best course under the circumstances, also Black would have brought his King to the rescue, and White would have found it difficult then to draw the game.

(j) Gunsberg proposed a draw here; but Lasker declined, and the game was adjourned a few moves later, and given up as drawn in the end.

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MINING.

The report of the Department of Mines for the year 1891 has been laid before the House and gives in the usual form the result of mining operations. Carefully compiled tables show at a glance the mineral yield, and the reports of the Inspector and his deputies are full of interesting and valuable information.

"The following summary shows the mineral production of Nova Scotia during the year 1891, compared with that of the previous year:—

	1890.	1891.
Gold.....Ounces.....	24,358	28,391
Iron Ore.....Tons.....	55,191	57,311
Manganese Ore....."	266	41
*Coal raised....."	1,984,001	2,044,784
*Coke made....."	36,738	34,148
†Gypsum....."	146,003	161,934
†Grindstones etc....."	8,385	19,800
†Moulding Sand....."	170	230
†Antimony Ore....."	26	10
Limestone....."	35,000	18,000
Copper Ore....."	1,000	900

*Ton of 2240 lbs. †Amount exported. ‡Value in dollars."

GOLD.—The returns for the year 1891 show that 35,212 tons of quartz were crushed, yielding 23,391 ounces of gold for 149,381 days' labor, as compared with 24,358 ounces from 41,886 tons of quartz for 160,264 days' labor.

It is to be regretted that there is again a slight decrease in the yield.

GENERAL STATEMENT SHOWING THE YIELD OF EACH GOLD DISTRICT.

District.	No. of Mines.	Days' Labor.	Mills.	Tons Crushed.	Yield of gold per ton.			Total yield of gold.		
					Oz.	Dwt.	Grs.	Oz.	Dwt.	Grs.
Tangier.....	2	3316	1	42	0	6	6	13	3	12
Whiteburn.....	1	5751	2	803	1	0	6	813	12	2
Central Rawdon...	1	4404	1	510	0	1	8	342	0	0
Killag.....	1	5375	1	379	0	18	11	354	6	16
Oldham.....	2	15085	2	2019	1	9	0	2909	10	13
Cariboo	3	14426	4	5489	0	5	1	1486	14	21
Moose River										
Wine Harbor.....	1	5595	1	1823	0	7	15	698	9	0
Waverley.....	3	11065	3	1611	0	7	11	602	4	0
Lake Catcher.....	1	7228	1	2432	0	6	13	800	3	0
15 Mile Stream....	2	18522	2	4562	0	12	16	2396	10	12
Uniacke.....	3	10154	4	1751	1	13	20	2965	5	4
Montague.....	2	5728	3	863	1	11	10	1361	1	0
Stormont.....	2	9651	4	829	1	3	2	957	3	4
Malaga.....	2	17520	1	4826	0	19	12	4664	13	17
Salmon River.....	1	10580	1	5210	0	5	9	1406	0	0
Sherbrooke.....	4	2537	2	464	0	5	3	119	5	0
Unproclaimed etc..	3	2444	5	1399	0	5	3	361	0	4
Total.....	34	149381	...	35212	22251	2	9

The following returns were received after the tables were made up:

		Tons.	Oz.	Dwt.	Gr.
Dec.....	Phila. G. Mg. Co.'s Mill...	150	60	18	0
Oct. Nov. and Dec	Rossignol Mill.....	87	81	15	2
Dec.....	Rockland.....	59	68	9	0
Jany. to Dec.....	Essex Co's Mill.....	328	58	9	0
Dec.....	Moose Riv. G. Mg. Co.'s Ml.	1317	22	11	0
Oct. Nov. and Dec	Herbert Dixon's Mill.....	180	214	0	0
Dec.....	Withrow.....	95	80	0	0
Dec.....	Fifteen Mile Stream.....	300	154	0	0

There have been several accidents in the gold mines during the past year from premature explosions of dynamite. In each case there appeared to be a want of exact attention to the rules governing the safe use of this explosive. The explosion at Oldham appeared to have arisen from the miner, who lost his life, driving in the priming cartridge, detonator and fuse with a heavy iron tamping bar. Another accident at Salmon River on the Eastern Shore, was reported as due to the use of frozen dynamite, in defiance of the rules governing the use of explosives at the mine where the accident happened. Managers of mines where dynamite is used should be unceasing in their exertions to caution and educate their miners to the safe use of the high explosives, and they should be entrusted only to miners who are found, after due enquiry, to have had a reasonable amount of experience in handling them.

The various districts were visited by Mr. Madden, Deputy Inspector, who reports the mines generally in fair order and safe. With respect to some mines arrangements have been made for introducing better and safer ladders. The ephemeral system of gold mining which prevails in this province, makes it very difficult for the Department to exercise anything like a close and regular supervision over the smaller mines. A small mine is rapidly opened out and abandoned within a few months. The work being tentative, little attention is paid to points which receive the attention of a manager in larger and more ambitious workings. The enforcement in all gold mines of a strict adherence to the letter of the Mines Regulation Act would require the services of a man specially devoted to the work. There should also be some system adopted of keeping a check on the work performed in the mills. At present the returns are received as made; and it is believed that there are annually considerable unaccounted for amounts of gold extracted from rich quartz by hand, on which no royalty is paid.

E. GILPIN, JR., Esq.,

Inspector of Mines.