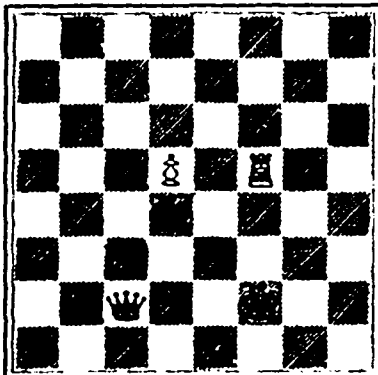


CHESS.

SOLUTION TO PROBLEM 187.
K-KK13 etc.

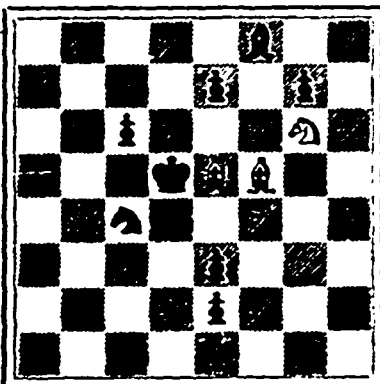
SOLUTION TO PROBLEM 188.
Q-R2

PROBLEM 191.
Black 1 piece.



White 4 pieces.
White to play and mate in three moves.

PROBLEM 192.
Black 8 pieces.



White 5 pieces.
White to play and mate in two moves.

GAME 177.

RUY LOPEZ

LOMAN.	SKIPWORTH.
1 P-K4	P-K4
2 Kt-KB3	Kt-QB3
3 B-Kt5	P-Q3
4 P-Q4	B-Q2
5 Kt-B3	Kt-B3
6 Castles	P x P
7 Kt x P	Kt x Kt
8 B x Bch	Q x B
9 Q x Kt	B-K2
10 B-K3	Castles KR
11 QR-Qsq	Q-B3
12 P-B3	KR-Ksq
13 KR-Ksq	P-QR4
14 Kt-K2	QR-Qsq
15 Q-Q3	Q-Q2
16 B-Q2	P-QKt3
17 K-Rsq	Q-Bsq
18 B-B3	Kt-Q2
19 Kt-Q4	Kt-B4
20 Q-B4	B-B3
21 Kt-B6	B x B?
22 Kt x R	B x R!!

Mate in two.

COMMENTS.

The solution to the four mover given in the issue of July 14th is as follows:

- 1 Castles P x R
- 2 Kt-Ksq K-R3
- 3 Kt-Q3 and mates next move.

If 1 P-B4

- 2 Kt-Rsq P x P
- 3 Kt-Kt3 and mate follows on the next.

The beauty in this solution is, as has been already intimated, in the manner in which "castling" supplies

a safe retreat for the white knight. All things considered this is a very superior problem.

Everyone will hold their breath when Lasker and Steinitz meet. It is no doubt safe to say that no match of such interest has occurred for years. Visions of the last great struggle in Havana come before our eyes. Is the great Herr Lasker, the mathematical calculator of gambit defences, equal to the task he has undertaken? No one can tell for certain, tho' most people seem to think not, for Steinitz seems to belong to the class of Stauntons, Herwitts and Morphys who have made the history of the game, while Lasker is but a brilliant and rising player, not so, for of the order of the geniuses. Time will tell!

× ×

Old Chum

(CUT PLUG.)

OLD CHUM
(PLUG.)

No other brand of Tobacco has ever enjoyed such an immense sale and popularity in the same period as this brand of Cut Plug and Plug Tobacco.

Oldest Cut Tobacco manufacturers in Canada.

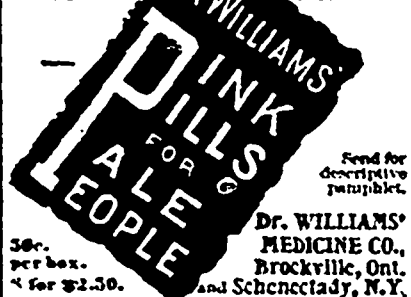
Ritchie & Co.

MONTREAL.

Cut Plug, 10c. 1 lb Plug, 10c.
1 lb Plug, 20c.

× ×

Nerve Tonic Blood Builder



JOHN PATTERSON,
Manufacturer of Steam Boilers,
For Marine and Land Purposes
Iron Ships Repaired.

SHIP TAKES GIBBS, SHOE PINS and all kinds of small iron work
ESTIMATES given on application.
400 UPPER WATER STREET, HALIFAX, N. S.

MINING.

Mineral samples sent to the CRITIC office, accompanied by a fee of one dollar, will be submitted to a thoroughly competent assayer for a preliminary examination and slight test of contents. The results will be communicated to senders of samples, and if full assays are deemed advisable, they will be notified and instructed as to amount of fees to be remitted.

MINING OUTLOOK.—It is evident that Nova Scotia capitalists are taking a greater interest in gold mining than ever before, and we note that nearly if not all ventures in which they are interested are either paying well, or being developed with that due regard to economy which will in the end lead to success. In other branches of mining, notably coal and iron, there seems a momentary lull in sympathy with the financial stringency, but with the restoration of confidence, we look for great development in these mines, as well as in lead, copper and manganese. With the exercise of proper business caution, there should be no more risk in investing in mines than in other businesses, but in spite of all warnings mining matters will be entrusted to improper hands, and the penalty will be almost certain disappointment and loss. Deeds more than words prove the competent mine manager, and it is well to avoid the oily-tongued expert who shows only the golden side of the shield. The wealth of this Province lies in its mines, and large fortunes will eventually reward those who intelligently invest in mining properties.

MONTAGU.—There is little new to report from this district, but all seems to be going well, and it is probable that the capacity of the mill on the property of the Salisbury Company will be increased by an additional battery of five stamps.

PERSONAL.—Mr. H. L. Gregory, of Rockland, Maine, so well and so favorably known as an active and successful miner of the time of Snow, McClure and Lawson, has been in Halifax on a visit, and was warmly welcomed by his old mining friends. He returned to Boston on Saturday last, but we hope soon to see him back.

Mr. A. M. S. Musgrave, of Leeds, England, the well-known owner of mining areas at Tangier and Mooselands, has been on a visit to the Province en route for Wyoming on a hunting expedition. Mr Musgrave has visited Tangier and the Mooselands Districts.

THE ELECTRICAL CHLORINATION PROCESS.—Satisfactory Test in Halifax.—On Friday morning last a number of gentlemen interested in mining and mining machinery met at the machine shop of W. W. Howell, on Upper Water Street, to witness the treatment of tailings from the Richardson mine by the Electrical Chlorination process, the invention of J. Frank Wiswell, Mining and Mechanical Engineer of Boston. Amongst those present we noticed Mr. H. H. Bell, of W. L. Lowell & Co., Mr. Geo. A. Pyke and Mr. Whitman, of Halifax, interested in the Richardson Mine; Mr. McDonald, of the Truro Foundry and Machine Company; Mr. J. H. Smith, of the Windsor Foundry and Machine Co; Mr. Geo. Nissen, Mechanical Engineer; Mr. A. A. Hayward, Manager of the Lake View Mine, Waverley; Mr. H. L. Gregory, of Rockland, Maine; Mr. A. T. Van Horne, of Boston; Mr. Wm. J. Fraser, of Halifax; Mr. Pendergast and several others. As Mr. Wiswell's invention is destined to revolutionise the treatment of gold ores, if all that is claimed for it proves true, it may be imagined that the little knot of onlookers, most of them well qualified to judge of the invention, watched the proceedings with great interest, and the general verdict was, when the treatment of the tailings had been completed and a small gold button produced, that results in this case fully bore out all Mr. Wiswell claims. To be brief—by the new process (new at least here) the ore is first thoroughly impregnated by a solution, the discovery of Mr. Wiswell, which coats every particle of gold. It is then amalgamated, and almost, if not quite, the full away value of the gold in the ore recovered. Eight ounces of the mixture is sufficient to charge 400 gallons of water, which is fed to the mill as the ore is being crushed, and the whole mass permeated with the solution. Afterwards any process of amalgamation may be adopted; but after many experiments and a large expenditure of money, Mr. Wiswell has perfected a crushing and an amalgamating mill which gives the best results at the minimum of cost, and these mills will soon be in operation here. In his processes for the first time amalgamation and chlorination have been combined. In the case of free milling ore all the gold, both coarse and fine, is saved by one continuous operation without the loss of any mercury and at an expense that throws all other methods of gold-saving far in the shade. The solution for which Mr. Wiswell has patents covering the world, is called mercurial hydrate of sodium, a combination of mercury, chlorine and sodium, in which the mercury is held in solution, and which generates much electrical energy. Having almost by accident discovered the virtue of this solution, Mr. Wiswell devoted much time in securing the best method of its application in practice; and while we cannot say positively from our knowledge of the subject, that he has accomplished all that he claims, we may state that the Society of Arts and Inventions of Paris have presented him with a diploma and medal for his combination of processes for the separation of gold and silver ores, and have also elected him an honorary member, a rare honor, Mr. Wiswell being the thirteenth gentleman so elected. He has also received most complimentary letters from Freiberg, Germany, the home of the greatest metallurgists of the world. Mr. Wiswell sailed for Boston on Saturday night, but will return in a few days, with the intention of supervising the construction of his mills here.

CARIBOO.—The Dixon Mine continues its regular yield, and has proved itself a lasting property. The lead cuts across the formation and is