

Usually it will be found that the middle of the bar runs a trifle higher in silver than the end.

Blast Furnaces.—The furnaces are sampled at the lead wells, the antimonial and copper oxides brushed off the surface and a little lead poured on to a flat cold sheet of iron near by.

Softening Furnaces.—The softening furnace is sampled in much the same way; the surface is cleaned and the sample poured on the flintstone pavement near the furnace.

Cupels and Silver Furnaces.—In sampling cupels, the surface oxide is brushed away and a cup thrust in and the contents poured upon a clean portion of the hearth. In silver furnaces the bar or poker end, after being cleaned, is quickly thrust into the molten silver, coated, and knocked off on the hearth. The sample should be taken from a portion of the bath on which there is no trace of lead oxide floating. In sampling the silver while it is being poured into the mold, a portion of liquid silver from the ladle is dropped at intervals into a bucket of clean water. If the ladle is held high and carefully shaken, the silver will be granulated. After each sample has been thrown into the water, the bucket should be cleaned and refilled.

Blotches, pimples, liver patches,
G. M. D. right quick despatches,
Drives away incipient tumors,
Clears the blood from poisonous humors;
Ailing one, whoever you be,
Try the worth of G. M. D.

which is the great Golden Medical Discovery of Dr. Pierce—a wonderful tonic and blood purifier. The "Discovery" is a standard remedy for consumption, bronchitis, colds and lung troubles; guaranteed to benefit or cure, if taken in time, or money refunded.

DRAUGHTS-CHECKERS

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

NEWS.

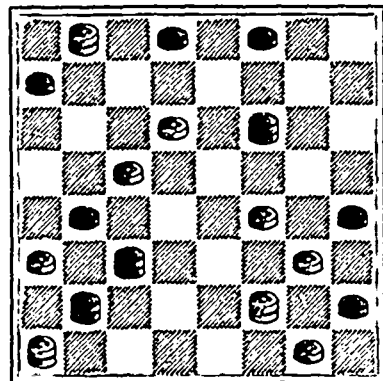
HOME NEWS FROM ABROAD.—The *Scottish American* of the 10th inst. says:—"A Canadian tournament is being talked about and Dykes, Forsyth, Kelly, Fletcher, Labadie, Pickering, MacNeil and Shaphord, are mentioned as among those likely to take part in it." This is news to us. Certainly our Mr. Forsyth has not as yet been approached on the subject.

SOLUTION.

PROBLEM 290—The position was: black men 13, 20, 22; white man 30, kings 28, 29. The only solution that has been received was from Mr. Oliver McGill of Yarmouth and is as follows:
28 32 28 24 30 25 25 22
20—24 27—32 22—26 18—25
32 28 24 19 19 23 29 31
24—27 32—27 27—18 w.wins

PROBLEM 292.

By A. J. Heffner, an ex-champion of America.
Black men 2, 3, 5, 17, 20, 28, kings 11, 22, 25.



White: men 10, 14, 19, 21, 24, 32, kings 1, 27, 29.

White to play and win.

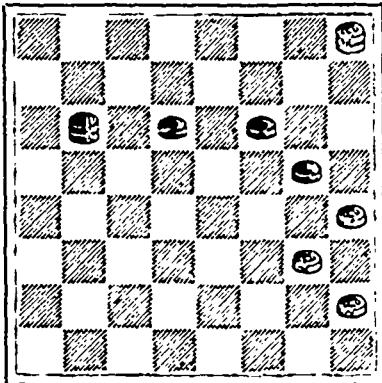
In the above brilliant problem, unless the right combination is attained, the player will find that he has been pursuing a will-o'-the-wisp and his time and study work into either a draw or a black win.—*Providence Journal*.

We may add that, as a stroke problem, it could hardly fail to gain the prize in any competition. Apart from the beauty of the shot, the position

presents all the features seen in actual play, and it is worthy of remark that a full set of draught men is required to set the situation. Mr. Heffner's compositions are, next to Slocum's, the most fascinating which appear in American exchanges.—*Liverpool Mercury*.

PROBLEM 293.

By Mr. Slocum, Chicago.
Black men 10, 11, 16, king 9.



White men 20, 24, 28, king 4.
Back to play and win.

This is admittedly one of the best of Mr. Slocum's artistic contributions. The solution, which is short, should be found by any amateur who will bestow a little attention, and the result will be a pleasing surprise.

We take pleasure in presenting to our readers the above problems by the two brilliant and celebrated composers named, but in doing so must express our non-concurrence with our esteemed contemporaries, the *Journal* and the *Mercury*, regarding the first. We look at the position, though interesting and evoking very nice play, to be one that could not occur in actual play, but as being purely a "built" one.—Ch. Ed.

Burdock CURES BILIOUSNESS.
BLOOD BITTERS
Biliousness or Liver Complaint arises from torpidity or wrong action of the liver, and is a fruitful source of diseases such as Constipation, Dyspepsia, Jaundice, Loss of Appetite, Dizziness, etc. As a perfect liver regulator
B. B. B. EXCELS
all others, having cured severe cases which were thought incurable.
Mrs. Jane Vansickle, Alberton, Ont., was cured of Liver Complaint after years of suffering by using five bottles of B. B. B. She recommends it.

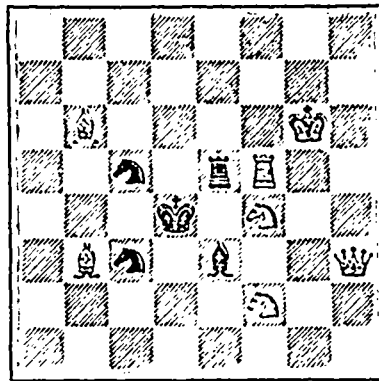
CHESS.

Solution to Problem 123: 1 P to K16.

Problem 124 solved by C. W. L. 1 B to B4.

PROBLEM No. 126.

Black 5 pieces.



White 7 pieces.

White to play and mate in two moves.

BY PORTERFIELD RYND, THE IRISH CHAMPION.

From *Dublin Saturday Herald*.

The Dresden tournament has come and gone. It occasioned while it lasted, and chiefly by reason of the fluctuations in individual scores, a lively interest and a good deal of conjecture.

Scholarz, Gunsberg, Tchigorin and Lasker out, there were yet, in the 18 masters competing, most of the best players of the day; and their play with each other, although restricted to the single game, was sure to afford plenty of entertainment.

The retirement of Alapin—on account of the disallowance of a claim made by him against Nea for excess of time limit—entailed, contrary to first calculation, a cancellation of all games previously played with him instead of a forfeiture of those he had not played. His and other mistakes in the telegraphic despatches prevented the conjectures made at a distance from proving so reliable as usual.

In the second week's play Makovez, Marco and Mason lost ground; Dr. Tarrasch and Porges gained. In the end Tarrasch came out first. Makovez and Porges tied for second and third; Marco and Walbrodt tied for fourth and fifth, while Birdel-ban and Winawer were bracketed for sixth.

A special prize given by Baron Heydbrond and Dr. Lasz for best score against the prize-winners fell to Blackburne, below whom (by one point) was our friend Mason, who should have taken a prize.

In the final round several of the leading players were so close that half a point (the score for a drawn game) might make a material difference, and therefore it was ticklish work playing off the concluding games.

Mises, who could not gain a prize, lost by an unsound combination to Porges.

Blackburne on the other hand gamely contested a Ruy Lopez (see below) with Makovez to the bitter end, struggling on behalf of the others to avoid the draw his opponent desired.

The result of Makovez's drawing with Blackburne, whilst Porges won from Mises, was that Makovez only tied with Porges.

Dr. Tarrasch was fortunate in scoring against Loman. Loman, with a winning game, had simply to make a

couple of ordinary moves to keep within the time-limit, and then work out the win at leisure; he, however, exceeded the time-limit, and Dr. Tarrasch got a "1" instead of an "0."

GAME No. 129.

(RUY LOPEZ)

- | | |
|--------------------------|---------------|
| WHITE. | BLACK. |
| Makovez. | Blackburne. |
| 1 P to K4 | P to K4 |
| 2 Kkt to B3 | QR to B3 |
| 3 B to K5 | P to Q3 |
| 4 P to Q4 | B to Q2 |
| 5 Castles | Kkt to K2 |
| 6 B to QB4 | Kt takes P |
| 7 Kt takes Kt | P takes Kt |
| 8 Q takes P | Kt to B3 |
| 9 Q to B3 | Kt to K4 |
| 10 B to K2 | B to P3 |
| 11 P to B4 | Kt to Q2 |
| 12 B to B3 | Kt to K3 |
| 13 Kt to R3 | Q to Q2 |
| 14 B to K3 | P to B3 |
| 15 P to R3 | Q to B2 |
| 16 B takes Kt | RP takes B |
| 17 QR to K1q | Castles |
| 18 Kt to B4 | K to Kt sq |
| 19 R to Q1q | P to Q4 |
| 20 K to R1q | B to B4 |
| 21 P takes P | B takes P |
| 22 B takes B | R takes B |
| 23 P to QKt4 | B to K2 |
| 24 Kt to K3 | R takes R |
| 25 R takes R | B to Q3 |
| 26 Kt to Q5 | R to Q sq |
| 27 R to Q3 | B to B sq |
| 28 Q to Q7 | Q to K3 |
| 29 P to QR4 | Q to B4 |
| 30 P to Kt5 | B to B4 |
| 31 Kt to Kt4 | R takes R |
| 32 Kt takes R | B to Q3 |
| 33 Q to K3 | P to K4 |
| 34 P takes P | P takes P |
| 35 Q to K8 ch | K to R2 |
| 36 Q to K sq | P to Kt5 |
| 37 P takes P | Q takes P |
| 38 Kt to B2 | Q to R5 ch |
| 39 K to Kt sq | B to B4 |
| 40 Q to K2 | Q takes P |
| 41 K to B1q | Q to KB5 |
| 42 Q to B3 | Q to B5 ch |
| 43 Q to Q3 | Q to B2 |
| 44 Q to KB3 | Q to K sq |
| 45 Q to K2 | Q to KB sq |
| 46 Q to KB3 | Q to R3 |
| 47 K to K2 | Q to K3 |
| 48 Q to QKt3 | Q to K4 |
| 49 Q to KB3 | B takes Kt |
| 50 Q to R3 ch and draws. | |

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