under a 12-foot head of water, is coupled directly to a dynamo of the multi ple current or rotation current type. The turbine makes, at ordinary s 30 revolutions per minute, and the dyname five times that number. The turbine makes, at ordinary speed, produces a three-phase rotation current, whose three componens have, in technical phrase, "an electro-motive force of 50 volts and 14,000 impores each, giving an output available for transmission equal to 200 kilowatts." From the generator, strong cables lead to a switch bound provided with the ordinary messuring instruments for current and motive force, and thence into a transformer specially constructed for this purpose. Bosides the large dynamo, a continuous-current machine, operated by a special turbine, serves as an excitor for the principal generator. In the transformer the current is converted into one intensely high pressure and small strength. For the reason that the air is not a component insulator for currents of high inten sity, the transformer is immersed in a large, closed tank filled with oil. The converted current, having now a motive force of 1,500 volta at 12 to 13 ampores, is transmitted from Lauffen to Frankfort on three light, naked copper wires, 4 mm. in diameter, strung upon poles 25 feet in height and 190 feet apart. They are hung upon porcelain insulators, each of which is provided with one or more troughe filled with oil. The capper wire conductors Leceseary for the experiment are 430 miles in length, and weigh 132,000 lbs

DRAUGHTS-CHECKERS 17 14

All communications to this department should be addressed directly to the Checker Editor, W. Forsyth, 36 Grafton Street.

NEWS.

The Pittsburg Ihronicle Telegraph says:—"The members of the Polydraw against 19—23, 28 24, 23—26, technic Institute, London England, at 18 15, 11—18, 29 25, 22—29, 31 a recent meeting passed resolutions 15 and black must wir. looking toward the formation of clubs for the purpose of visiting the United States during the World's Fair As a large number of members are checker experts, including Teecheleit, Strudwick, Freeman, Jordan, Hilland many others of ability, in all likelihood we will have an opportunity of seeing a few of our British cousins during the exposition."

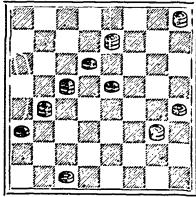
SOLUTION.

PROBLEM 262.—The position was: Black men 1, 5, 23, king 14; white men 13, 21, kings 7, 15; white t play and win.

13 9 14 - 18 10 6 21--25 21 17 1-10 32 27 7 32 w.wins 10 5 - 21

PROBLEM No. 264.

A stroke problem for beginners; suggested by one in the West Lothian Courier by Mr. Hugnes. Black men 10, 15, 21, kings 14, 17.



White men 20, 30, kings 4, 7, Black to play and win.

GAME No. 158. "Denny." Played at Shubenacadie, Jan. 29, 1892, between Mesers. Joseph Francis and J. A. McHessey, both of that town. Contributed by Mr. T. B

Juguett.			
10-14	6 9	11-16	a-19-24
24 20	25 21	20 11	28 19
7—10	I 6	8 - 22	11-16
27 24	21 17	27 23	20 11
3 7	9—13	4-8	7-23
22 17	$32 \ 27$	23 18	14 10
14—18	13 - 22	8—11	5-14
23 14	26 17	24 20	18 9
9—18	610	10—15	23-26

10 -22 10--17 18-15 - 1926 - 3013 6 drawn.

a At first sight 12-16 seems a winning move, but white can reply with 9 6, 2-9, 18 15, and draw at least. But we doubt if white can



of pure Cod Liver Oil with Hypo-phosphites of Lime and Soda is almost as palatable as milk.

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BOILS.

BOILS.

BOILS.

BCZEMA, BARBERS'

FICH, STYS ON THE

EYES, RINGWORMS,
SHINGLES, SCROPU EYES, RINGWORMS, SHINGLES, SCROPULA, ERYSIPELAS, and ALL SKIN DISEASES ARISING FROM IMPURITIES OF THE BLOOD.

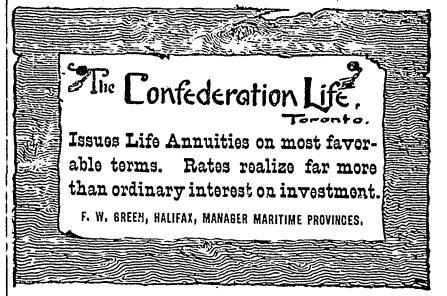
VERY SMALL BLOOD.
AND EASY TO TAKE. Senton receipt of price. preAND EASY TO TAKE. Senton receipt of price. preAND EASY TO TAKE. Senton receipt of price.
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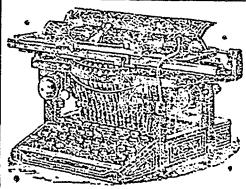
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