

CHESS.

TO CORRESPONDENTS.

I. R.; M. B. HAMILTON, C. W.—The second solution to your Problem occurred by misplacing a Bishop, which the corrected position explains. Problem No. 37, as already stated, is unsound; it can be solved in the way you suggest by playing 1. Q to Q B 5. 2. B to R 5, 3. B to Kt 6 Mate. Will write shortly.

T. B. BULL, SEAFORTH, C. W.—Glad to see you have not forgotten old friends. Will examine and report on the Problem.

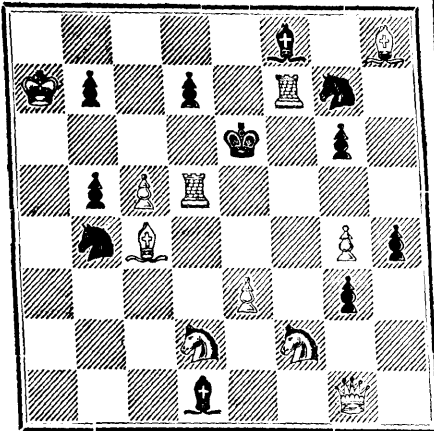
Geo. E. CARPENTER, Tarrytown, N. Y.—Thanks for the "slight trace" you have left of your visit. Please "repeat the dose" as often as agreeable. We regret we had not the pleasure of seeing you while in Montreal.

O. A. BROWNSEN, JR., DUBUQUE, IOWA.—The enclosures in yours of the 3rd. were safely to hand. Thanks.

PROBLEM No. 43.

BY FRA DUE, OF NEW YORK.

BLACK.



WHITE.

White to play and Mate in three moves.

SOLUTION OF PROBLEM No. 41.

WHITE.

1. B to Q Kt 4.
2. Q to K B 5.
3. Q to Kt Mates.

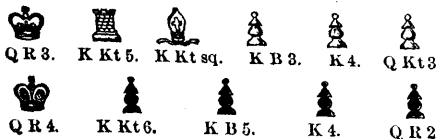
BLACK.

- Kt to Q 4 or (a.)
Any move.
- (a) 1. B to Q 4.
Any move,
2. Q to K 6.
3. Q or Kt Mates.

ENIGMA No. 18.

BY JOHN GARDNER.

A "capital little stratagem" from *The Field*.



White to play and Mate in five moves.

SOLUTION OF ENIGMA No. 16.

WHITE.

1. R to R 7.
2. K to K 4.
3. B to R 6.
4. R to K 7. Mate.

BLACK.

P moves.

MISCELLANEA.

One of the attractions of the Paris Universal Exhibition of next year will be a prize of 10,000 francs for the best singer in the world.

—An English railway company has had to pay £34,000 on account of an accident to an excursion train.

—PORK AND POULTICES.—A gentleman who keeps pigs, near the London Hospital, has been summoned as a nuisance. It turns out that the pork is very fine, piggy having fed chiefly on the poultices from the London Hospital.

—"Cholera cigar" is the last notion of the tobacconists of London. The cigars are "prepared with opium;" and, as opium-eaters never

suffer from cholera, smokers of the cigars will be exempt from the epidemic, at least, so say the traders.

ORIGIN OF THE RED SHIRT.—"I may be permitted," Mr. Sala says, "to point out the very simple origin of a garment which has now become historical—the red shirt. It is simply the habitual upper vestment of the American merchant sailor. Any Liverpoolian will tell you that fifteen years ago a sure distinction might be drawn between the British tars and the Yankee "salts" in the port of Liverpool, from the first wearing blue and the last scarlet flannel shirts or frocks. When Garibaldi first took command of a merchantman in Baltimore, he probably expended a couple of dollars in the purchase of a red shirt, and finding it comfortable, has stuck to it ever since."

STRANGE BEQUEST.—A curious bequest of an eccentric man has lately been obeyed at St. Ives. Mr. John Knill, first an attorney, then steward at St. Ives for the Duke of Buckingham, next collector of Customs at that place, and, finally, a bencher of Gray's Inn, who built the pyramidal monument which overlooks St. Ives, left a sum of money, the interest of which was to be given quinquennially to ten young maidens, who were to dance round the monument. In the centre is a hollow, destined for Mr. Knill's remains, but he was buried in St. Andrew's Church, Holborn. The trustees recently found ten danseuses, ten years old, witnessed the dance, and paid the girls ten shillings each for their adherence to Mr. Knill's peculiar wish.

SCIENTIFIC AND USEFUL.

It is said that a chemist has extracted from coal a substance chemically undistinguishable from sugar. He has named it "phenoze."

TO MEND IRON POTS.—Mix finely sifted lime with some white of eggs till a thin kind of paste is formed; then add some iron filings. Apply this to the fracture, and the vessel will be found to be nearly as sound as ever.

ETCHING ON GLASS.—Etching on glass is performed by laying on the glass a ground of bees-wax, and drawing the design thereon with the needle, as in etching upon copper. Sulphuric acid is then poured on, and fluor spar sprinkled on it. After four or five hours it is taken off, and the work cleaned with oil of turpentine.

FIRST USE OF COAL.—The Belgians claim to have been the first to discover the uses of coal; and this discovery, they say, was made by one Huihos, a blacksmith, of the village of Plenevaux, near Liege, in the year 1049, from whose name they derive the word "houille." Coal was first used as fuel in London in the latter part of the 13th century; but the smoke was considered so injurious to the public health that Parliament petitioned King Edward I. to prohibit its burning, as an intolerable nuisance. He complied, and issued his proclamation against it. The most severe measures were then employed to abolish its use—fines, imprisonment, and the destruction of furnaces and workshops where it was used.

INSTANTANEOUS PHOTOGRAPHY BY ARTIFICIAL LIGHT.—Some experiments have been recently made by Mr. Skaife in taking photographs by artificial light instantaneously. A plate, carefully prepared, is put into a camera; the sitter, in a partially dark room, engages in conversation with any one, so as to secure a natural play of expression; a little powder on the pan of a lamp of peculiar construction is set off in a puff, like the flash of a charge of gunpowder, and thus an instantaneous picture is taken. The powder is composed of certain parts of pulverised magnesium and chlorate of potash, and is set on fire by being heated by a spirit lamp under the pan, which has a hole in it, and the light is brought into contact with the dry powder when the pan is slightly shaken by means of a wire. The pan having a reflector at the back, the light is thrown full on the sitter, and the negative is said to be obtained in about the fiftieth part of a second.

WITTY AND WHIMSICAL.

A teacher of vocal music asked an old lady if her grandson had any ear for music. "Wa'al," said the old woman, "I rahly don't know: won't you just take the candle and see?"

He who makes his living as an engraver dines off a copper-plate.

Short calls are the best, as the fly said when he lit on a hot stove.

Sir John Irwin was a favourite with George III, who once observed to him—"They tell me, Sir John, that you love a glass of wine."—"Those," replied Irwin, "who so informed your majesty, have done me a great injustice—they should have said a bottle."

Break a woman's heart, and she will smile and forgive you. Break a joke upon her face, and she declares war—war to the scissors.

The recent marriage of a Mr. Day with a Miss Field presents this singular anomaly, that although he gained the field, she won the day.

DOMESTIC MAGAZINES.—Wives who are always blowing up their husbands.

THE HEIGHT OF IMPUDENCE.—Taking shelter from the rain in an umbrella shop.

We know a man so clever with his lathe that he can even turn a deaf ear.—Punch.

A young man on kissing a girl "down South" asked how it was that she was so sweet? "Oh," she replied, in utter innocence, "my father is a sugar planter."

THE LARGEST ROOM IN THE WORLD.—The room for improvement.

HINTS TO HOUSEMAIDS.—How to destroy flies—Encourage spiders.

When a young lady wishes to bring her engagement to an end, it is usually a circular termination that she sighs for.

"A City Clerk" wishes to know what profit is made on the transaction, when Parliament is prorogued "by Commission."

WHAT prevents the running river running away?—Why, it's tide up.

THE KORAN has the following passage:—"Mahomet, in one of his visions, saw an angel in the third heaven so large that his eyes were seventy days' journey apart." What an awful "bridge" he must have had to his nose.

Why is love like a Scotch plaid?—Because it is all stuff, and often crossed.

WHAT is the difference between a ship that barely escapes wrecking on a headland, and a weather-glass?—The one weathers the point, and the other points the weather.

A LAND speculator in America, in describing a lake on an estate in Cumberland county, says it is so clear and so deep, that by looking into it you can see them making tea in China.

A FIRE-EATING Irishman challenged a barrister, who gratified him by an acceptance. The duellist being very lame, requested that he might have a prop. "Suppose," said he, "I lean against this milestone?"—"With pleasure," replied the lawyer, "on condition that I may lean against the next." The joke settled the quarrel.

A THIEF was lately caught breaking into a song. He had already got through the first two bars, when a policeman came up an area, and hit him with his staff. Several notes were found upon him.

"ARE these pure canaries?" asked a gentleman of a bird-dealer, with whom he was negotiating for "a gift for his fair."—"Yes, sir," said the bird-dealer, confidently, "I raised them ere birds from canary seed."

"Tom," said a wag to a hanger-on at a roadside house, "tell me the greatest lie you ever told in your life, and I'll give you a glass of ale."—"Me!" said Tom, "I never told a lie."—"Landlord, draw the ale," said the other.

AMENDED QUOTATIONS.—By a baker. Familiar in their mouths as household bread. By a per-ruquier. Sweet auburn! loveliest tresses of the plain.