

TO CORRESPONDENTS.

Letters addressed for the Editor should be addressed "Editor of Saturday Reader, Drawer 101," and communications on business to "R. Worthington, publisher."

TIPPECANOE.—The sobriquet was conferred upon General William H. Harrison, afterwards President of the United States, during the political canvass which preceded his election, on account of a victory gained by him over the Indians in a battle which took place on Nov. 6th, 1811, at the junction of the Tippecanoe and Wabash rivers.

RETROR.—"The Nine Worthies" have been classed in the following rather arbitrary manner.—Three Gentiles, Hector son of Priam, Alexander the Great, Julius Cæsar. Three Jews, Joshua, Conqueror of Canaan, David, King of Israel, Judas Maccabæus. Three Christians: Arthur, King of Britain, Charlemagne, Godfrey of Bouillon. In Shakespeare's "Love's Labour Lost" Hercules and Pompey appear as two of the Nine Worthies.

INKERMAN.—We do not quite understand your question. Please repeat it.

R. M.—Photochromatography is the art of taking a photograph of the same colour or colours as the objects. Many attempts have been made to carry out such a process, but with only partial success hitherto.

V.—We shall probably use one or both of the articles. Will send proof when in type.

P. H. W.—We have no recollection of the M. S., and fear it must have been destroyed.

F. G.—Respectfully declined. The versification is defective.

S. A. B.—Brush the hair well with hard brushes in order to maintain a healthy action of the skin. We know of no better means of checking premature greyness of the hair.

BRYTHAN.—The lines: "Worth makes the man, the want of it the fellow. The rest is all but leather and praveil" are from Pope's "Essay on Man."

W. S. CAMPBELL.—Rapid speakers pronounce from 7,000 to 7,500 words per hour, or about two words per second.

ANNIE.—The "Exile of Erin" was written by Thomas Campbell; not by Thomas Moore.

G. M.—Papier-Mache is made of cuttings of paper boiled in water and beaten in a mortar till they are rendered into a kind of paste, and then boiled with a solution of gum arabic or size, to give consistency to the paste which is afterwards formed into different shapes by pressing it into oiled moulds. When dry the articles are coloured and afterwards varnished.

ADA Z.—We are compelled to defer a definite reply till our next issue.

SCIENTIFIC AND USEFUL.

SPECTRUM MICROSCOPE.—Mr. H. C. Sorby, whose researches with the spectrum microscope have been recognised as of much scientific importance, has made a further advance, and, after persevering endeavours, succeeded in devising a method of measuring the spectra produced by the instrument, and of printing them in types by a simple process. The images can thus be rendered available for comparison and reference—a fact which will be appreciated alike by microscopists and spectroscopists.

LIQUID FUEL BOILERS.—In pursuing his experiments with a view to substitute petroleum for coal in the generation of steam, Mr. C. J. Richardson has discovered an even cheaper compound than the least saleable mineral oils. He finds that coal tar, creosote, naphthaline, and other similar products, may all be burned in the same way as he proposed to burn the crude oils; a compound with which he has obtained excellent results, being formed of coal tar, two parts; creosote, three parts, and one or two parts of heavy shale oil. The inventor will have a boiler at work at Woolwich Dockyard in course of a few weeks, when he will be glad for all interested to inspect it.—Mining Journal.

STAINS FOR WOOD.—Deal boards may be stained to look like oak by rubbing them with globe artichokes cut in half. They may afterwards be polished with a preparation of bees-wax, oil, and turpentine, melted together, and applied cold with a clean, dry scrubbing-brush.

NOBLE actions are best seen when looked at with an eye to emulation.

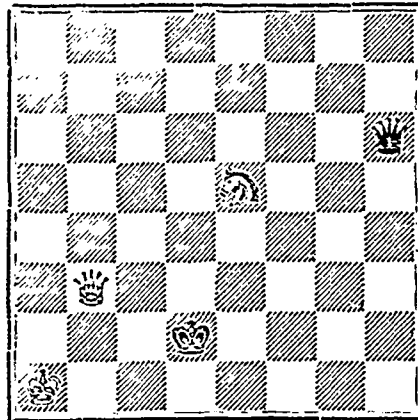
WE embark in the cradle for a long voyage; in the coffin for a far longer one.

CHESS.

The Paris Correspondent of the Springfield Republican writes: "There is probably no nation on the earth which delights so much in games of chance and those which imply skill, as the French; and the liveliest interest is felt in the grand international game of Chess, which is to come off during the Exposition. The nations whose champions are to contest are Russia, Germany, England, France and America. Russia's knight is said to be a magnificent player. Germany boasts of a man who has vanquished twenty players at one time. M. Devinek, Counsellor General of the Department of the Seine, is the defender of France; and Paul Morphy, whom the French journals speak of as 'the handsome young man who plays blindfolded,' is to represent America. Morphy is spoken of with genuine admiration by all good Chess-players, and it is evidently feared that he will carry off the laurels. I have called this a tourney.—I believe it is intended to have, during the progress of the Exposition, a veritable tournament, when the old days of chivalry, prancing steeds and lances in rest, will be recalled by the pomp and splendor of a tilt between good horsemen."

PROBLEM, No. 61.

(FROM KLING AND HORWITZ'S CHESS STUDIES.) BLACK.



WHITE. White to play and win.

SOLUTION OF PROBLEM, No. 62.

WHITE. 1 R to K R 6. 2 R to K R 4. 3 B to K 2. 4 B Mates. BLACK. K to Q 6 (best.) K to R 5. K moves.

Game between Steinitz and Thorold, in London Club, Cornhill.

KIESERITZKY GAMBIT.

WHITE, (Steinitz.) 1 P to K 4. 2 P to K B 4. 3 K Kt to B 3. 4 P to K R 4. 5 Kt to K 5. 6 B to Q B 4. 7 P takes P. 8 P to Q 4. 9 Q Kt to B 3 (b.). 10 B to Q Kt 5 (ch.). 11 Castles. 12 P takes B. 13 Q Kt to K 2. 14 Kt takes P (c.). 15 Kt takes Kt. 16 Q to Q 4. 17 Q B to Kt 5. 18 B to K B 6. 19 Q R to K sq. 20 R to K 5. 21 P to K R 6. 22 Q takes P (ch.). 23 B to K 7 (ch.). 24 Q mates. BLACK, (Thorold.) 1 P to K 4. 2 P takes P. 3 P to K R 4. 4 P to K R 5. 5 K Kt to B 3 (a.). 6 P to Q 4. 7 K B to Q 3. 8 Kt to K R 4. 9 Q to K 7. 10 K to K B sq. 11 B takes Kt. 12 Q takes K P. 13 P to Q B 3. 14 P takes B. 15 Q takes Kt (d.). 16 K to K Kt sq. 17 P to K R 3. 18 R to K R 2. 19 Q B to Q 2. 20 Q to K R 3. 21 Q takes Q B P (e.). 22 K to K B sq. 23 K to K sq.

(a) Very questionably good, or rather unquestionably bad. (b) Quite the high style of chess. (c) Beautifully played. (d) He is now completely uncovered against your attack. (e) What else can he do?

WITTY AND WHIMSICAL.

What most resembles a pretty girl bathing?—A diving bell (e).

Why is a newspaper like a wife?—Because every man ought to have one of his own.

The wave of a lace-edged cambric handkerchief is a wave on which many a poor fellow has been carried away.

SOLITARY EMPLOYMENT.—Clerk in a loan-office.

TIT FOR TAT.—It is beauty's privilege to kill Time; and, in revenge, Time kills beauty.

A person fond of the marvellous told an improbable story, adding, as was his wont, "Did you ever hear of that before?"—"No, sir," said the other, "pray did you?"

Beefsteaks are very good things, but undoubtedly they sometimes need to be hauled over the coals.

MATRIMONIAL RIDDLE?—It is better to be laughed at for not being married, than to be unable to laugh because you are.

A little girl, four years old, was on her way home from church with her father, when they passed a boy splitting wood, and the father remarked, "Mary, do you see that boy breaking the Sabbath?" The child made no reply, but walked home very thoughtfully, and meeting her mother, exclaimed, "Oh, mother, I saw a boy breaking the Sabbath with a big axe!"

"Ah, is it possible that you are still alive?" said a fellow on meeting unexpectedly one whom he had grossly injured. "Yes, and kicking," replied the other, suiting the action to the word.

A young lady being engaged to be married, and getting sick of the bargain, applied to a friend to help her to untie the knot before it was too late. "Oh, certainly," he replied; "it's very easy to untie it now, while it's a beau."

THINGS UNKNOWN.

The girl whose waist has ever been encompassed by an arm of the sea.

The cow that had calves on her legs. The identical nose of a bellows that smelled a rat.

The person that was ever felt for by the heart of an oak.

The barber who was requested to shave the beard of an oyster.

The vocalist who has ever been listened to by an ear of corn.

The man who has ever been pushed by a shoulder of mutton.

The individual who was ever seen by the eye of a potato.

Anybody unlucky enough to be abused by the mouth of any river.

"SHALL WE JOIN THE LADIES?"

Etat. 15. "Bother the ladies! Let's have a weed!"

Etat. 20. "O, yes, let's join the ladies.—(Aside.) Cousin Clara's in the drawing-room!"

Etat. 25. "Aw—may as well, I s'pose. But just give us a glass of Charley's old Madeira first."

Etat. 30. "I vote we move, you fellows.—(Aside.) Awfully jolly girl that was, sat next me. Wonder if she's got some tin."

Etat. 35. "I should like just one whiff first. But then the smoke gets in one's beard so."

Etat. 40. "Cosy enough here. Don't care to move at present."

Etat. 45. "Quite agree with you, old boy. Pass the clar't, will you?"

Etat. 50. "I should vote for having just one more, half-a-glasser, of that cap'tal dry sherry."

Etat. 55. "Better go at once, I say. (Aside.) My wife's confounded tetchy when I sit long at the table."

Etat. 60. "Ladies! I should think not! They can join us if they want us."

Etat. 65. "I'll join 'em with great pleasure; but let's hear that funny story first!"

Etat. 70. "Join the ladies! Bless 'em! Yes! with all the pleasure in life—ugh! Confound that toe of mine! I always feel it after dinner."

—Punch.