

colouring matter was then put in at the warm end, and blue at the cold end, so that the currents could be traced. The blue water, chilled by contact with the ice, immediately fell down to the bottom, crept slowly along, and gradually rose towards the surface of the equatorial end, after which it gradually returned along the surface to the starting point. The red water crept first along the surface to the polar end, then fell to the bottom just as the blue had done, and formed another stratum, creeping back again along the bottom and coming to the surface. Each colour made a distinct circulation during the half-hour in which the audience viewed the experiment.

Mammoth Amenities.

Few sentimental damsels would approve of the transformation of a well-known line into "a trunk was on my shoulder, I knew its touch was kind." Accordingly, a young lady who lately visited the Jardin des Plantes in Paris, in company with her friends, was more terrified than flattered on perceiving that the elephant in that menagerie was neglecting the sugar and cakes placed within reach of his long proboscis to pursue her wherever she went. When she stood still he stood still, when she moved he followed. An elephant's trunk is indeed a marvel of animal mechanism, but to the unscientific observer it resembles somewhat too closely Mr. Mantalini's description of his corpse, being both damp and unpleasant. The attempt made by the poor animal to attract the lady's attention by means of this appendage soon caused her to hurry away in alarm. Seeing this, her admirer uttered a loud cry, which brought a keeper to the spot. He soon calmed her fears and asked her to hand the elephant a bouquet, which formed part of her toilet. She did so with trembling fingers, whereupon the animal carried it to his month, drank in its perfume with evident delight, and to the surprise of all present, returned it to its owner with that mixture of grace and clumsiness which may be imagined in a courteous elephant. The bouquet was composed of orange flowers, of which these animals are passionately fond.

Art and Literature.

Mr. Motley's new book, "The History of John of Barneveldt," will be out in the fall.

Carl Wilhelm, the composer of "Die Wacht am Rhein," died last month.

Nearly a hundred thousand copies of Miss Alcott's "Little Women," and fifty-three thousand copies of the "Old Fashioned Girl" have been sold in the States. In England sixteen thousand copies of the authorized edition of this author's works were sold during the last six months, while the pirated editions have also had an extensive sale. Miss Alcott promises a new book shortly.

A telegram from England reports that some interesting Shakespearean documents have just been discovered, which corroborate the recent theories touching Shakespeare's business connection with the theatres.

Frederick Madden's collection of old books and pamphlets was lately sold at auction in London, and brought £1,519. One lot of songs and ballads brought £143.

Miss Cecilia Cleveland, a niece of Horace Greeley, is writing a book about her uncle, which will contain considerable fresh and interesting information respecting the great journalist and his family.

Scraps.

The Quebec Parliament meets for the despatch of business on the 15th prox.

The 17th inst., is polling day in Prince Edward Island.

Mr. Joseph Arch arrived in New York last week.

Mr. Edward Jenkins, author of "Glox's Baby," etc., is now on a visit to his father in Montreal. Before leaving Scotland he was presented by his friends in Dundee, with a piece of plate and a check for £1,999.

The Hartford Courant indulges in a calculation to the effect that an individual is six times as likely to kill himself as lighting is to kill him.

The Sultan of Zanzibar is to visit England this month, returning by Paris and Mecca.

The secession internationalists have called the sixth annual congress to assemble at Geneva on the 2nd inst.

The Paris Communists have struck a medal in commemoration of the fiery days of May, 1871, and a seizure of nearly 8,000 has been made by the Paris police.

The celebrated Russian manufacturer of cannons, Sylvestre Kruga, has invented a mitrailleuse called the Kruga Pulornel, which is portable for one soldier.

James Lawson, the man whom Sothorn was compelled to throw from a car on the Union Pacific Railway, has since died from injuries received. The San Francisco papers fully exonerate Mr. Sothorn, and prophesy a complete vindication for him by the coroner's jury.

Mr. George Smith, the Assyrian explorer, writes to the London Telegraph:—"Babylon is slowly disappearing. You may see portions of it every day loaded on donkeys and brought into the town of Hillah; but it is such a vast area, it will take centuries to remove the remains."

Rochefort is said to have cut a very sad figure on leaving France with a batch of fellow Communists of very unclean and unattractive appearance. "Aias," he murmured, as the "Virginie" weighed anchor, "I always advocated equality, and now I've got it."

RECEIVED.

Annuaire de l'Université de Laval.

Chisholm's International Railway and Steamboat Guide.

We have received from Mr. G. O. Brown, photographer, of 406 N. Eden Street, Baltimore, Md., some superb specimens of American photography, including several of Four's Porcelain photographs, the effect of which is very fine.

Vick's Floral Guide (No. 4, 1873) is as admirably got up as ever, with fine woodcuts illustrative of the choicest flowers in the catalogue, and seasonable instruction on Home Adornment and the culture of Bulbs. Vick's establishment at Rochester, N. Y., is the largest and most complete on the continent, and of the excellence of his seeds we can speak from personal knowledge.

D. C. Gray's prints are the appropriate.

Chess.

TO CORRESPONDENTS.

F. P. B., Kingston.—Could you not amend the position so as to avoid having a "double" at White's 2nd move?

J. H. St. Libotre.—Correct solutions received of Prob. No. 94. Enigmas No. 31, and no less than four (4) correct solutions of Problem No. 95, beginning—1. B. to B. 7th. 2. Kt. to K. 5th. 3. P. takes P. ch. and 4. R. takes P. Also two solutions of No. 96.

ALPHA, Whitty.—Your last "four-move" problem (marked on the diagram with No. 11) seems to admit of a solution in three moves, beginning with—1. Q. to R. 3rd ch. 2. Q. takes R. P. 3. Q. mates according to Black's play. Your solution of No. 95 is correct: see answer above to J. H. for a few others. The last three-move Prob. (marked No. 9) and solution, are under consideration.

C. S. B., Montreal.—We fear our chess readers do not study "poetry" often enough to appreciate that "improptu"! Solution of Problem No. 95 correct: see answer to J. H., above.

REVIEW OF CHOICE GAMES.

Two games played in or about the year 1750. Verdoni gives the odds of Pawn and move to an amateur of considerable skill. (Remove Black's K. B. P.)

White.—Count Bruhl.

- 1. P. to K. 4th
2. P. to Q. 4th
3. K. B. to Q. 3rd
4. P. to K. 5th
5. P. to Q. B. 3rd
6. P. takes P.
7. K. B. to Q. B. 2nd
8. P. to Q. R. 3rd
9. K. Kt. to K. 2nd
10. Castles.
11. K. to R. sq. (c)
12. P. to Q. Kt. 3rd
13. P. takes Kt.
14. Q. R. to R. 2nd
15. Q. B. to Q. 2nd
16. R. takes B.
17. Kt. to K. Kt. 3rd
18. K. R. to K. sq.
19. Q. Kt. to B. 3rd
20. Q. to Q. 3rd
21. Q. R. to K. sq.
22. K. Kt. to R. 3th (d)
23. Kt. to K. Kt. 3rd
24. Q. to K. 3rd
25. R. takes Q.
26. Q. R. to K. B. sq.
27. Kt. takes R.
28. K. takes K. P.
29. R. takes Kt.
30. Resigns.

Black.—Verdoni.

- 1. P. to K. 4th
2. K. Kt. to K. 2nd
3. P. to Q. 4th
4. P. to Q. B. 4th
5. P. takes P.
6. Q. Kt. to B. 3rd
7. Q. B. to Q. 2nd
8. P. to K. Kt. 3rd
9. P. to K. Kt. 3rd
10. K. B. to Kt. 2nd
11. Castles (K. R.)
12. Q. Kt. takes K. P. (b)
13. K. B. takes P.
14. R. takes B.
15. B. takes P.
16. Q. R. to K. B. sq
17. Q. to K. 4th (c)
18. Q. to K. B. 3th
19. Q. to K. B. 3rd
20. Q. B. to Q. B. 3rd
21. P. to K. 4th
22. Q. to K. Kt. 4th
23. K. R. to Q. 7th (e)
24. Q. takes Q.
25. R. takes B.
26. R. takes K. ch.
27. P. to Q. 5th
28. P. takes Kt.
29. R. takes K. Kt. P.

(a) We do not perceive the necessity for this move.

(b) White's centre disappears, and Black gains a fine attack here.

(c) The assault is vigorously followed up, the Queen coming well into position.

(d) This was not good play, as the capture of Kt. is not compelled: and Black acquires a winning position in forcing its immediate retreat. K. to Kt. sq. seems to us the best for White instead: for if then—

- White. 23. Q. Kt. takes K. P.
24. Kt. takes P.
25. Q. takes B.
Black. 22. P. to K. 5th
23. P. takes Kt.
24. B. takes Kt.

and White seems to have, at least, equalized the position. (e) Black now regains his piece with an easily won game.

Verdoni gives Pawn and two moves to Atwood, an opponent of Philidor's. (Remove Black's K. B. P.)

White.—Atwood.

- 1. P. to K. 4th
2. P. to Q. 4th
3. K. B. to Q. 3rd
4. P. to Q. 5th
5. P. to Q. B. 4th
6. P. to K. B. 4th (a)
7. B. takes P.
8. P. to K. 5th
9. Q. B. takes P.
10. B. to Q. B. 3rd
11. K. Kt. to B. 3rd
12. B. to K. B. 5th
13. B. takes B.
14. P. to Q. Kt. 3rd
15. Q. Kt. to Q. 2nd
16. Castles.
17. Kt. to Kt. 5th
18. Kt. to K. 5th
19. Q. Kt. to K. B. 3rd
20. Q. to Q. 2nd
21. Q. R. to K. sq.
22. Q. to Q. 3rd
23. Q. B. to Q. 2nd
24. Q. R. to K. 2nd
25. K. R. to K. sq.
26. Q. B. to Q. B. 3rd
27. P. to K. Kt. 3rd
28. B. to K. 5th
29. Kt. takes Kt.
30. Kt. takes Kt.
31. R. to K. B. 2nd
32. K. R. to K. B. sq.
33. R. to K. B. 5th (d)
34. K. to Kt. 2nd (e)
35. P. takes R. and wins.

Black.—Verdoni.

- 1. —
2. P. to K. 3rd
3. P. to Q. B. 4th
4. P. to Q. 3rd
5. P. to K. 4th
6. P. takes P.
7. K. Kt. to B. 3rd
8. Q. P. takes P.
9. Q. Kt. to Q. 2nd
10. K. B. to K. 2nd
11. Castles.
12. Q. Kt. to Kt. 3rd
13. Q. R. takes B.
14. Q. Kt. to Q. 2nd
15. K. B. to Q. 3rd
16. P. to Q. R. 3rd (b)
17. K. R. to K. sq.
18. Q. to K. 2nd
19. Q. to K. B. 2nd
20. Q. to K. Kt. 3rd
21. Q. to K. R. 4th
22. Q. to K. R. 3rd
23. Q. to K. R. 4th
24. K. R. to K. 2nd
25. Q. R. to K. sq.
26. K. Kt. to Kt. 5th
27. K. Kt. to B. 3rd
28. Q. Kt. takes B.
29. Kt. to K. Kt. 5th
30. Q. takes Kt. (c)
31. P. to Q. Kt. 3rd
32. R. to Q. R. 3rd
33. P. to K. R. 3rd
34. R. takes Kt.

(a) White's play throughout is admirable: he is evidently familiar with the best attack when receiving these odds.

(b) Black now endeavours to break up White's centre, but allows the adverse Kt. to take up a strong position, whence it becomes impossible to dislodge him.

(c) Black has managed to retain his Bishop through all the manœuvring and exchanges.

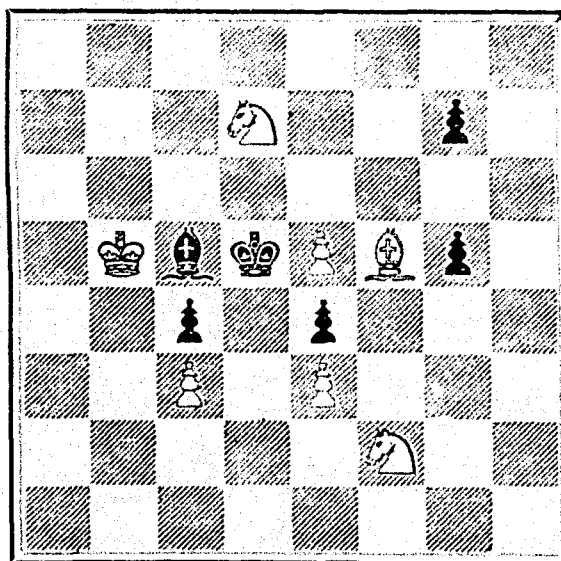
(d) This, followed by White's next move, hemming in the Black Queen, is decisive.

(e) Threatening P. to K. R. 3rd. &c.

PROBLEM No. 97.

By Mr. R. H. Ramsey.

BLACK.



White to play and mate in two moves.

Courrier des Dames.

Our lady readers are invited to contribute to this department.

THE FASHION PLATE.

LADIES' WORK.

Figs. 1, 2, 3, and 4 show some elegant patterns for the embroidery work of such an ottoman as is shown in Fig. 9. The great point with these patterns is that they should be as gay as possible, but that no one colour should predominate. They may be embroidered in silk or similar patterns may be worked with Berlin wool on canvas.

Fig. 1 has a crimson ground, blue rings, yellow semi-circles with black cross stitches, and the rest black and white as shown by the shadings.

Fig. 2 has a blue ground with white embroidery along the edges. The pear-shaped figures in the centre are as follows: centre green, then a gold stripe, then ruby red, then white, and brown to finish.

Fig. 3 has a ruby red ground, with white and black embroidery along the edges. Flowers edged with white skeleton filled in with black and blue, light green stem and green flowers edged with light green.

Fig. 4 has a black ground with yellow, light and dark blue, ruby red, white, light brown, and green figures. The lines and borders in yellow, white, and ruby red.

The covering of the sofa should be a dark velvet, plush, or rep, against which the many coloured embroidery will stand out in bright relief.

Figs. 5 and 6 are intended merely to give an idea of what may be done with a little patience to ornament ordinary calico window-blinds. Coloured blinds with white embroidery, or white blinds embroidered in colour have a very novel and pretty effect.

The work in the footstools, Figs. 7 and 8, is supposed to be tapestry, but they should be so worked as to match the ottoman, Fig. 9.

COSTUMES FOR LADIES AND CHILDREN.

Fig. 10 is an unbleached batiste costume, consisting of skirt and tunic. The former is of plain material trimmed with three gathered flounces of the same. The tunic is of striped material scalloped and bound with plain material along the lower edge and around the wrists, and trimmed with bows of grosgrain ribbon.

Fig. 11 is a light gray, mohair costume, the underskirt trimmed with three kilt pleated flounces headed with wide dark gray mohair, and the tunic to match.

Fig. 12 is a dress for a child of one to two years old, the material white cashmere, with scalloped edges bound with blue.

Fig. 13, gray toile-de-soie costume, consisting of pleated skirt, tunic, and pailot, with a revers on each side and dark gray grosgrain collar.

Fig. 14 is a black barège promenade costume, trimmed with ruffles and puffs of the same. Black horse hair bonnet trimmed with blue grosgrain ribbon and flowers. Gray silk sunshade lined with white.

Fun.

An editor once wrote:—"We have received a basket of strawberries from Mr. Smith, for which he will receive our compliments, some of which are four inches in circumference."

The Utica Herald says men will never know what effect it would have had on Job if eleven little girls had called on him, one after another, and tried to sell him Sunday-school picnic tickets.

A Detroit boy stood an umbrella, with a cord tied to it, in a public doorway. Eleven persons thought that umbrella was theirs, and carried it with them the length of the string. They then suddenly dropped it and went off without once looking back or stopping to pick it up again.

The lady who tapped her husband gently with a fan at a party the other night, and said "Love, it's growing late, I think we had better go home," is the same one who after getting home shook the rolling-pin under his nose and said, "you infernal old scoundrel you, if you ever look at that mean, nasty, calico-faced, mackerel-eyed thing that you have been looking at to-night, I'll bust your head wide open."

How comfortable for a young wife to feel that her husband is a bountiful provider, and that she will never want for the necessaries of life! A newly married man was recently directed by his wife to order some yeast, and not having a very well defined idea of yeast himself, he told the baker to send up a couple of dollars' worth. At nine o'clock next morning three men might have been seen tugging and sweating up the front stairs of that man's house with a cask of yeast.

The Norristown Herald remarks that "when a man milks a cow he should not attempt to smoke a cigar at the same time. A young man out in the country tried it, and got along well enough until he lowered his head and touched the cow's back with the lighted end of his weed. The next instant himself and cigar were dreadfully put out." The cow introduced about two tons' weight into one of her hind legs, and then pressed it under the milker's left jaw. When he ceased whirling around, and myriads of stars had disappeared, he said farming was the hardest work a man could put his hands to."

The Peoria Review says:—"In a vigorous chase after rats, Friday afternoon, a boy on Jefferson street broke down a shell in the cellar and immolated six jars of preserves. He gazed on the ruins without a sigh, caught and killed the rat, laid it among the debris, and, dubbing his faithful dog's nose and legs with the fruit, sent him up-stairs, while the boy hid in the coat-shed. He heard feminine shrieks of dismay, he heard the wretched objurgations of his sire, he heard the unsuspecting dog led into the back yard and shot, and, spreading forth his hands, said solemnly, 'Another victim of circumstantial evidence.'"

A traveller, on his arrival in the city, stopped for a moment to examine a coat hanging in front of a clothing store, when the proprietor rushed out and asked, "Wouldn't you try on some coats?" "I dunno but I would," responded the traveller, consulting his time-killer; and he went in and began to work. No matter how often he found his fit he called for more coats, and after he had tried on thirty he looked at his watch, again resumed his own garment, and walked off, saying: "I won't charge a cent for what I've done. Hang a man who won't oblige another when he can do it! If I'm ever around this way again, and you've got any more coats to try on, I'll do all I can to help you!"