#### OUR PUZZLER.

#### 157. ENIGMA.

White as milk, soft as silk,
A little flower am I;
Touched with green, in spring-time seen,
A tear-drop in my eye,
Little gem, sweet diadem,
Thus to answer why—
May foretell an immortelle—

Your true purity!
Lying there, so meekly fair,
Through rain and storm still teaching,
Simple flower, thou hast a power,
Beyond most preacher's preaching.

#### 158. SQUARE WORDS.

1. An animal; a mountain range; to make happy; a city of China; an attempt.
2. An animal; a town in Norrland; a Swedish island; tight; a name of Pluto.

3. An animal; a mountain in Spain; a French town; to cheer; subsequent.

#### 159. CHARADE. ı.

My first is nutrition, My second permission, My total, you see, A deep tragedy.

II.

My first is often full of wit;
My last a sound of death is heard;
My total, in a foreign clime,
The appellation of a bird.

#### 160. PALINDROME.

Name an island and five towns, composed of not less than five letters each, which read back-wards and forwards the same.

#### 161. DOUBLE ACROSTIC.

First means to penetrate First means to penetrate,
Second's a sweet singing bird.
A public speaker for my third.
Fourth is an English town.
A city in a foreign state.
These five words, if rightly placed,
The initials and finals both read down,
Two poets' names are surely treased. Two poets' names are surely traced.

#### 162. SQUARE WORDS.

- A birthplace of a famous navigator; to decree; a district of Cape Colony; a town in Spain; a mountain in the north-west of Africa.
- 2. An animal of South America; to affix to ase; a measure; watchful.
- 3. A Lancashire town; a river of Chili; a town in the south of Spain; one of the Sandwich Isles; a town in Siberia.

#### 163. CHARADE.

When people are in debt, When people are in debt,
They generally first get
When missing the payments that are due.
For next, a number see,
As you're sure to find me.
Although what I tell you's quite true.
Before first can disgrace,
It must have whole on its face,
Or it could not be served upon you.

## 164. MEN OF LEARNING AND THEIR WORKS.

1. Lo! H. N. Phillip, of Yate, turn'd Jaue R. Banks' cat loy in mineral; 2. Oh, Miss Gee! Mary sold pots and veils; 3. Dan R. Roper plant foxes at home in ale.

#### 16b. TRANSPOSITION.

If you a bird will transpose, A portion of your frame it shows.

### ANSWERS.

103. CHARADE.—Page-ant.

104. SQUARE WORDS-

1.	2.	3.
* HEART	SAVER	GRANT
EAGER	ADELA	RUNER
AGREE	VENUS	ANTRE
REEDS	ELUDE	NERVE
TRESS	RASED	TREES

105. LOGOGRIPH-Every, Ever, Very, Eve.

106. ARITHMETICAL QUESTIONS .-

A = 9,600.B = 6,400.C = 3.200.

107. CHARADES.—1. Sun-shade; 🕻 Mankind. 108. SQUARE WORDS .-

1.	2.	3.
JAMES.	EDRED	EDGAR
ABOVE	DRONE	DOURO
MOREA	ROODE	GUSTO
EVENT	ENDED	ARTIS
SEATS	DERDS	ROOST

- 109. CHARADE.-Words-worth.
- 110. PALINDROME.—C. I. V. I. C.—Civic.
- 111. Logogriphs.-Words, Sword.

#### CAISSA'S CASKET.

SATURDAY, Nov. 8th, 1873. \*.\* All communications relating to Chess must be addressed "CHECKMATE, London, Ont."

• • We should be happy to receive a few un-published two-move or three-move problems for "Caissa's Casket."

#### SOLUTION TO PROBLEM NO. 15.

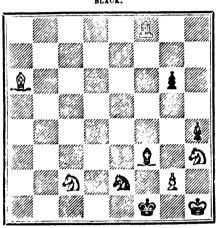
White. 1. B. to Q. 3rd 2. Mate. Black.

SOLUTION TO PROBLEM No. 16.

Black

White.
1. B. to Q. Kt. 4th
2. Kt. to Q. Kt. 3rd
3. Q. Kt. or P. mates. 1. B. takes B. (best) 2. Any.

> PROBLEM No. 17. By T. M. Brown. BLACK.

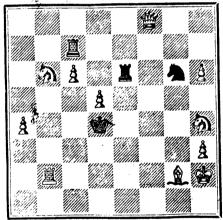


#### WHITE.

White to play and SELF-MATE in two moves. White to play and SELF-MATE in two moves.

Problems of this description are very interesting by way of variety, and afford equal exercise for the mind with those of ordinary character. For those who have not seen any of this kind, we may explain, that White moves first and in such a manner that on his second move he can force Black to check-mate the White King at his next move. As Black is compelled to checkmate White, these problems are called suicide-mates, or self-mates.

#### PROBLEM No. 18. BY W. A. SHINKMAN. BLACK.



#### WHITE.

White to play and mate in three moves

INSTRUCTION IN CHESS. BY "CHECKMATE."

#### GAME NO. 11.

The following, illustrative of the opening we have under consideration, is one of the prettiest of Mr. Paul Morphy's blindfold games:

#### Petroff's Defence.

White. Black. POTIER. MORPHY. 1. P. to K. 4th 2. Kt. to K. B. 3rd 3. B. to Q. B. 4th 1. P. to K. 4th 2. Kt. to K. B. 3rd.

In Games 9 and 10 the attack here played 3 Kt. takes P. As for the present move little can be said about it further than that many strong players adopt it. It takes possession of the diagonal and aids in forming a strong centre.

3. Kt. takes K. P.

This is the usual move now-a-days, though some good players hesitate about taking the Pawn. If Black play 3. Kt. te Q. B. 3rd, we have the "Two Kt's Opening" brought about by a different order of moves. 4. Kt. to Q. B. 3rd

This is Mr. Boden's suggestion, and is the move generally adopted to dispose of the Black Knight, though you may also play 4. P. to Q. 3rd with the same object, when Black retreats his Kt. to K. B. 3rd, Q. 3rd, or Q. B. 4th.

4. Kt. to K. B. 3rd.

There is a great difference of opinion as to the besmove here. If 4. Kt. takes Kt.; 5. Q. P. takes Kt., and Black has not a piece in the field, while the att tack gained by White is almost sufficient compensa-

tion for the lost Pawn. That move, however, is very often played. If 4. P. to Q. 4th, 5 B. takes P., Kt. to K. B. 3rd; &c.

5. Kt. takes P.

Winning back the Pawn.

5. P. to Q. 4th 6. B. to K. 2nd. 6. B. to Q. Kt. 3rd

Probably quite as good a move as 6 B, to Q, 3rd given by Staunton.

7. P. to Q. 4th. 8. Castles. 9. P. to K. B. 4th 10. Q. to K. B. 3rd 11. P. to K. B. 5th 12. B. to K. B. 4th 7. P. to Q. B. 3rd 8. Q. Kt. to Q. 2nd 9. Kt. to Q. Kt. 3rd 10. P. to K. R. 4th 11. Q. to Q. B. 2nd

The blindfold player, though contesting seven other games at the same moment, meets every attack of his opponent with a sufficient reply.

13. Q. R. to K. 1st

12. B. to Q. 3rd 13. Kt. to B. 1st Black cannot eastle with safety, on account of 14. Q. to Kt. 3rd, 15 B. to R. 6th.

14. P. to K. R. 5th. 14. Q. to K. Kt. 3rd. If he had now played B. takes B. P., White corequally have checked at Kt. 6th, winning easily.

15. Kt. to K. Kt. 6th ch At once frustrating all the designs of his oppone

15. K. to Kt. 1st 16. P. takes Q. 17. P. takes Kt. 18. P. takes P. ch 19. B. to K. Kt. 5th 20. Q. Kt. to Q. 2nd 21. K. to B. 1st 22. K. to Kt. 1st 16. B. takes B.
17. B. takes Q.
18. B. P. takes P.
19. K. to R. 1st
20. R. to K. 7th
21. B. to K. 5th
22. R. to K. B. 7th ch
23. Kt. takes P.

A remarkably beautiful combination, terminating the game in admirable style.

24. B. takes P. 25. B. to Q. Kt. 3rd

23. P. takes Kt. 24. Kt. to Q. Kt. 3rd

And Black Resigns.

### GAME NO. 12.

We have here the third and last game of a match played at Philadelphia between Messrs. G. Reich-helin and Cengdon, on the one side, and Messrs. Elson and Whiteman, on the other side:

#### Petroff's Defence.

Black. White. MRSSRS. R. & C. MESSES. E. & W. 1. P. to K. 4th 2. Kt. to K. B. 3rd 3. P. to Q. 4th 1. P. to K. 4th 2. Kt. to K. B. 3rd

Mr. Petroff suggested this move, and though not so attacking as 3. Kt. takes  $P_{\rm c}$ , it leads to many beautiful variations.

3. Kt. takes P.

Should be take the P. with P., the attack replies, 4 P. to K. 5th, when White's best move is, 4. Kt. to K. 5th,

4. B. to Q. 3rd 5. Kt. takes K. P.

4. P. to Q. 4th 5. Kt. to K. B. 3rd

Stauston in the Randbook gives as White's best move here, Kt. to Q. 3rd. The present move gives him all the advantages the other possesses and the Kt. is if anything better posted where he is.

6. Castles.
7. B. to K. Kt. 5th
8. B. takes Kt.
9. P. to K. B. 4th
10. B. P. takes B.

6. B. to K. 2nd. 7. P. to K. R. 3rd 8. B. takes B. 9. B. takes Kt.

And the attack has clearly the better opening.

10. Q. to K. R. 5th

A move more showy than useful; they have no reason to suppose their opponents will let them take the Q. P. and there is nothing to be gained by making useless noves, which enable the opposing parties to develope their game.

11. P. to Q. B. 3rd 12. Kt. to Q. R. 3rd 13. Q. to Q. 2nd

11. B. to K. 3rd 12. P. to Q. B. 3rd.

Preparing to dislodge the Q.

14. R. to K. B. 4th 15. Q. R. to K. B. 1st

13. Castles. 14. Q. to K. 2nd

Rooks when thus supporting each other are gene rally very powerful.

16. B. to Q. Kt 1st 17. Q. to Q. 3rd

15. Kt. to Q. 2nd. 16. Q. to K. Kt. 4th 17. P. to K. B. 4th

Their best move to avoid the threatened mate

18. Kt. to Q. B. 2nd. 19. Kt. to K. 3rd 18. R. to B. 2nd 19. Q. R. to K. B. 1st. 19 P. to K. Kt. 3rd would have been better. 20. Kt. takes B.P. 21 R. takes B. 22. R. takes R. 23. Q. takes R. 24. Q. to K. B. 1st 20. B. takes Kt. 21. R. takes R. 22. R. takes R. 23. Q. to Q. B. 8th ch 24. Q. to K. 6th ch

It is just possible White might have drawn now by exchanging Queens. If he take the Kt. P. Black wins by B. to K. Kt. 6th.

25. K. to R. 1st 26. P. to K. R. 3rd 27. P. takes P. 28. Q. to B. 5th 29. P. to Q. R. 3rd 30. Q. takes Q. 31. B. to Q. R. 2nd 25. Kt. to K. B. 1st 26. P. to Q. B. 4th 27. Q. takes K. P. 28. Q. to K. 3rd 29. P. to K. Kt. 3rd 30. Kt. takes Q. 31. Kt. to Q. B. 2nd ould lose two for it.

If he take the Pawn h

1f he take the Pawn 1
32. K. to K. 1st
33. K. to B. 2nd
34. K. to B. 2nd
35. P. to Q. R. 4th.
36. P. to Q. Kt. 1st
38. B. to Q. Srd
39. B. to K. 2nd
40. P. takes P.
41. K. to Q. 2nd
42. B. to K. Kt. 3rd
43. P. to K. Kt. 3rd
44. B. to B. 3rd (ch)
45. B. takes P.
46. P. to B. 6th. ould lose two for it.
32. K. to B. 2nd
33. K. to K. 3rd
34. K. to K. 4th
35. Kt. to K. 3rd
36. P. to Q. R. 3rd
37. P. to K. Kt. 4th
39. P. to Q. R. 4th
39. P. takes P.
40. P. to Q. 5th (ch)
41. K. to Q. 4th
42. Kt. to K. B. 5th
43. Kt. to K. B. 5th
44. K. to Q. B. 5th
45. K. takes P.

And White wins.

#### DANGEROUS COSMETICS.

In a paper read to the Paris Academy of Medicine the necessity is argued of preventing perfumers from selling poisonous or dangerous articles, which should be left exclusively to the responsibility of regular chemists, and not sold without a physician's prescription. Arsenic, the acid nitrate of mercury, tartar emetic, cantharides colchicum, and potassa caustic, are common ingredients in these cosmetics. The so-called lettuce soap does not contain the slightest trace of lettuce; and this and other soaps are colored by the sesquiozide of chromium, or of a rose color by the sulphuret of mercury, known as vermillion. The cheaper soaps contain thirty per cent, of insoluble matter, as lime or plaster; while others contain animal nitrogenous matter which, having escaped the process of saponification, emits a bad odor when its solution is left exposed to the air. The various tollet vinegars are also declared in this paper to be so far noxious that, being applied to the skin still impregnated with soap and water, they give rise to a decomposition, in consequence of which fletty acids of soap, being soluble in water, and not removed by washing, become rancid, and cause chronic inflamation of the skin. In a paper read to the Paris Academy of Me-

### \$3.00 LORD BROUGHAM TELESCOPE.

Will distinguish the time by a church clock five miles, a FLAGSTAFF and WINDOW BARS 10 MILES; landscape twenty miles distant, and will define the SATELLITE OF JUPITER and the PHASES OF VENUS, &c., &c. This certraordinary CHEAP AND POWERFUL glass is of the best make and possesses ACHROMATIC LENSES and is best make and possesses ACHROMATIC LENSES and is count to a telescope costing \$20.00. NO STUDENT all TOURIST should be without one. Sent Post free to all parts in the Dominion of Canada on receipt of price, \$3.00

### H. SANDERS,

Optician, &c. 163 St. James Street, Montreal.

Illustrated Catalogue 16 pages sent free fer ope



### EAGLE FOUNDRY, MONTREAL GEORGE BRUSH, PROPRIETOR ESTABLISHED, 1823.

Manufacturer of Steam Engines, Steam Boilers and nachinery generally. nachinery generally.

Agent for JUDSON'S PATENT GOVERNOR. St. 1-28-E1

AVOID QUACKS.

A victim of early indiscretion, causing nervold debility, premature decay, &c., having tried in value every advertised remedy, has discovered a simple means of self-cure, which he will send free to fellow-sufferers. Address, J. H. REEVES, 78 Names St., New York.

# TO CHEMISTS & DRUGGISTS WINE AND SPIRIT MERCHANTS.

Our Stock of MEDICAL, PERFUME and Life QUOR Labels is now very complete.

GREAT VARIETY, BEAUTIFUL DESIGNS,

AND ALL AT

#### VERY MODERATE PRICE.

LIBERAL DISCOUNT TO LARGE DEALERS. Orders can be promptly sent by parcel post to all parts of the Dominion.

LEGGO & CO., LITHOGRAPHERS &C 319 ST. ANTOINE STREET

AND 1 Place d'Armes Hill,

### MONTREAL. TO PRINTERS

THE HIGHEST CASH PRICE paid to Old Type, or paid in Electrotype or Stereous work. Apply at this office.

THE FAVORITE is printed and published by Good E. DESBARATS, 1 Place d'Armes Hill, and Antoine St., Montreal, Dominion of Canada.