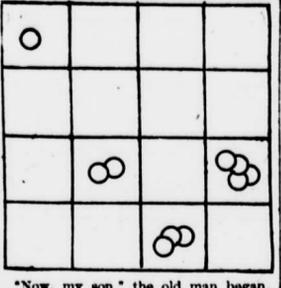


PROBLEMS FOR SUN READERS

LESSON IN MANAGING A SINGLE SUIT AT BRIDGE. Another of Frank Roy's No Trump Problems—An Example From the East for the Class in Magic Squares—Unexpected Results From Moves in Chess.

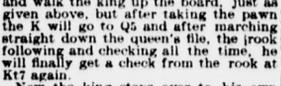
Chessboard diagram with numbers 0, 28, 26, 6, 22, 10, 12, 16, 14, 18, 20, 8, 24, 4, 2, 30.

Correct solutions from: F. A. Grogins, A. F. Link, Arthur B. Brown, E. Beebe, Rev. Irving McElroy, O. H. Boston, Myron Schafer, A. J. Culp, W. A. Bulkeley, Milmoira, Walram S. Brown, C. H. O'Connor and Henry Flagg. It is pointed out that a certain wise man of the East had a son who was very apt at mathematics and that the old man tried in every way to arouse his interest in matters relating to figures.



Chess endings. It is probable that nine players out of ten would play P-K7 in an offhand match of chess. The best you can get with that move is a draw, and unless you are very careful you will lose the game.

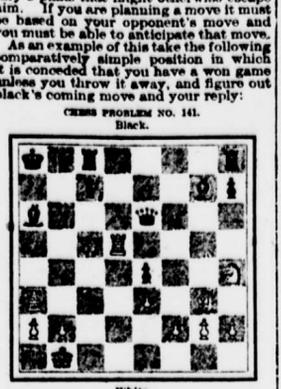
Chess endings. This is now a lost game for white. After capturing the pawn he could get a draw by going back to Q5, instead of on to Q7, which would have forced black to repeat the checks all the way down the board, but white could never win.



Chess endings. Now the king steps over to his own square and when the rook checks at K15 he goes to K16 and marches up the board until he gets to B7, when the pawn can go right to queen and white wins.

A STRANGER DROPS IN AND DROPS OUT

Two Bets Won by Lightning Bill in His Brief Stay in Arkansas City.



It looks as if black was about to play B-B, so as to take your queen and rook. Suppose he does that move, what would you do in your turn?

RAILWAY OVER SINK HOLES.

Canadian Builders Find One They Are Not Able to Fill. The Canadian Northern has encountered a number of bad sink holes on the extension now being built between Duluth and Virginia.

At the larger one, located at mile post 56, soundings taken for a distance of about 1,500 feet showed a depth of from 20 to 45 feet of soft mud. The surface crust appeared to be fairly solid and it was hoped that it would hold up, but it broke through early last spring after trains had been running over it but a short time.

At the smaller one, located at mile post 58, soundings taken for a distance of about 1,500 feet showed a depth of from 20 to 45 feet of soft mud. The surface crust appeared to be fairly solid and it was hoped that it would hold up, but it broke through early last spring after trains had been running over it but a short time.

At mile post 60 two sink holes were encountered close together with a small ridge between them. Each hole was about 60 feet long and one had a maximum depth of 35 feet while the other showed no bottom at a depth of 50 feet. Both of these have been filled solidly, using the same method as at mile post 56.

A VESSEL WITH YARDS CROSSED.

NIGHT RARE ENOUGH ALONG THE EAST RIVER WATERFRONT THESE DAYS. It is so rarely that a square rigged vessel is seen now in South street, where once there were so many, that when one does appear there it is sure to awaken attention.

When she first appeared in the distance the wharf loungers sitting on the string-pieces sat up and took notice. She kept coming a sight to gratify the eye of anybody that remembered the South street of days gone by, a square rigged vessel, but wait a minute. As she gradually draws nearer and nearer you make out that she's not a ship, nor yet a bark, nor even a brig, she isn't a regular square rigger at all, but a barkentine, square rigged on her foremast only, fore and aft rigged on her main and mizzen.

Eight hundred or a thousand tons maybe, as big as some of the ships of the old days, and her spars are lofty. If you look at her foremast only it brings back recollections. Her mainmast and mizzen, but she's away up from the deck, but they have to go aloft here still to set or to furl her square sails and she carries on her foremast a double topsail and a royal mast, and a skysail. Pretty high up from the deck, that skysail.

THE UNDERIZED MAN, HAVING FIRST PROVIDED THEM WITH CARDS AND CHIPS.

Two Bets Won by Lightning Bill in His Brief Stay in Arkansas City.

The undersized man, having first provided them with cards and chips. "I reckon," he said grimly as he returned to the front room, "how that there over-ambitious babe o' th' wilderness 'll mebbe talk outen 'tther corner of his mouth 'ter the boys gets through with him." And he smiled sardoniously.

Mr. Pepper had been an interested listener to the previous proceedings, but though he stood at the bar with the others ready enough when summoned he had kept silence hitherto. One who had taken notice of him, however, might have observed that he appeared to be mightily amused at something.

"Who was that?" he demanded. "That cussed little sawed off win it," said Peersall savagely. "How come his winnin'?" demanded the old man, "was it on his deal?"

"No, Blaisdell, said Peersall 'em the time he cained me out," said Peersall with the air of one who is prepared to be disbelieved. "Don't sound reasonable," declared the old man, "but I reckon him an' Winterbottom is enough fo' to do up this here yap, even if he did have oneerly luck fo' oncet."

When Winterbottom came out from the back room and demanded with some agitation that old man Greenlaw should advance him \$100 in chips the old man's consternation and rage were fine to see. "Yo' uns 'pears to think I ain't nothin' to do with my money but hand it out fo' yo' to get some yap f'm the country to learn yo' how to play draw poker. If there's any little run 'rav'lin' round the country 'whats qualified to put two Arkansas City men outen business inside o' half an hour it's time he was brung to settle into our midst. 'Pears like th' ain't no use."

But at this point Mr. Pepper lifted up his voice in a mighty roar of laughter, and the others turned toward him in amazement. Their looks served to increase Mr. Pepper's mirth to such a pitch that he was unable for a time to make any answer to their indignant questions.

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