



THE PUZZLING SIDE OF CHESS

Jeff Coakley

INVERTED LOGIC

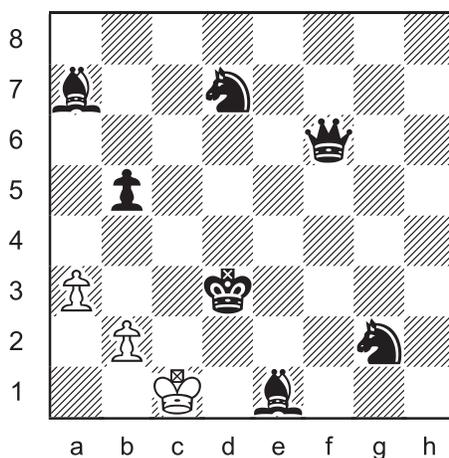
Thinking Inside Out

number 165

August 25, 2018

This week's column features four *inverted loyds*. In each puzzle, the task is to add a white knight and two rooks to the position so that White has a mate in one move.

Inverted Loyd 50



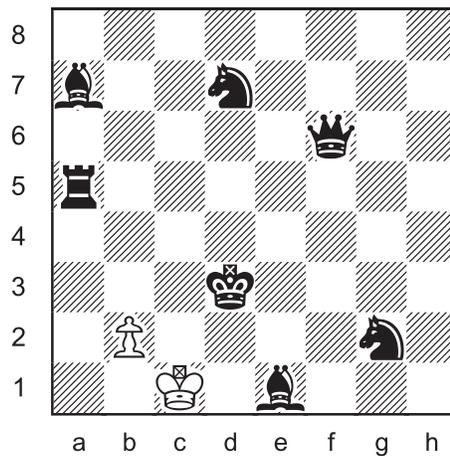
Place a white knight and two rooks on the board so that White has mate in 1.

The name "inverted loyd" is derived from another puzzle called the *triple loyd*, in which the white pieces are already on the board and the black king is added, a problem-type invented by Sam Loyd.



Perhaps it's obvious, but in the position after the pieces are added, the black king may not be in check.

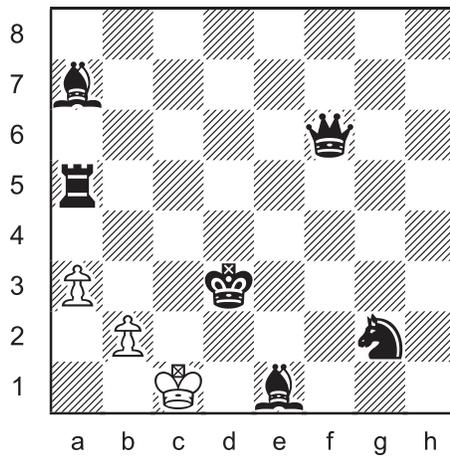
Inverted Loyd 51



Place a white knight and two rooks on the board so that White has mate in 1.



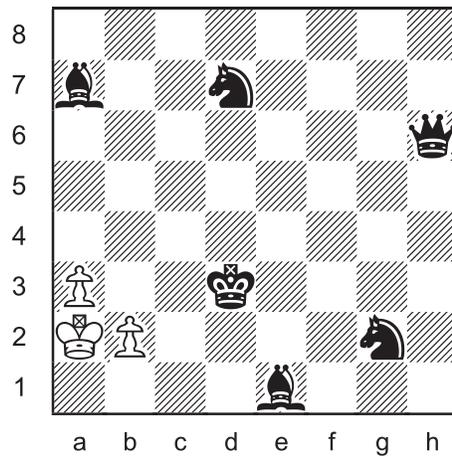
Inverted Loyd 52



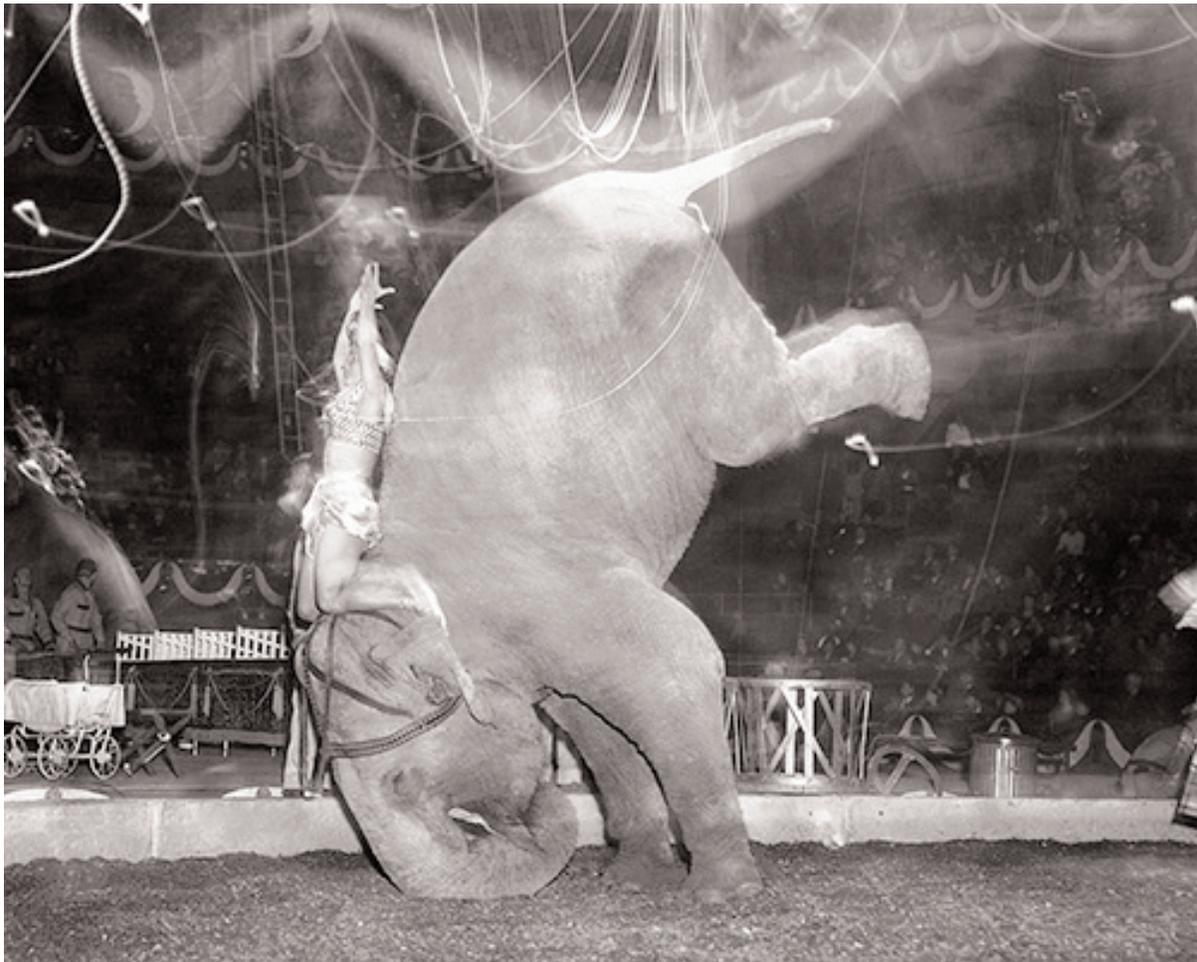
Place a white knight and two rooks on the board so that White has mate in 1.

The problems in this column are *approximate twins*. As you will have noticed, only one or two things are different in each position. That's enough to change the solution.

Inverted Loyd 53



Place a white knight and two rooks on the board so that White has mate in 1



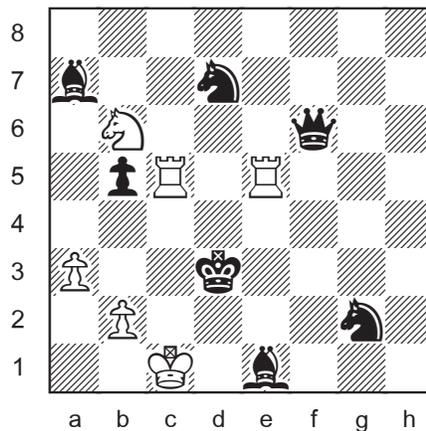
SOLUTIONS

All problems by J. Coakley, *Puzzling Side of Chess* (2018).

PDF hyperlinks. You can advance to the solution of any puzzle by clicking on the underlined title above the diagram. To return to the puzzle, click on the title above the solution diagram.

Archives. Past columns and a detailed index of problem-types and composers are available in the *Puzzling Side of Chess* archives.

Inverted Loyd 50



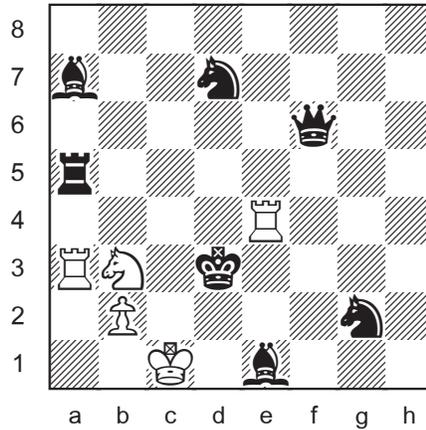
Rc5, Re5, Nb6 were added.

1.Rcd5#

Double duty knight. Cover c4 and obstruct bishop.



Inverted Loyd 51

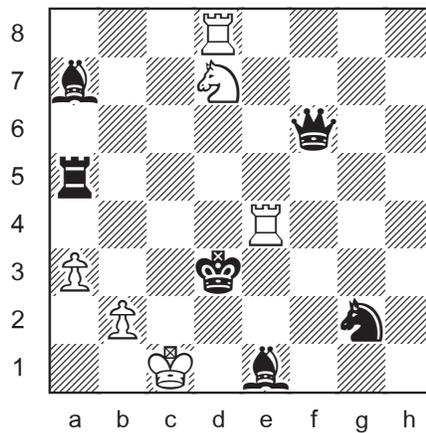


Ra3, Re4, Nb3 were added.

1.Nc5#

More knightly duties. Double check and guard rook.

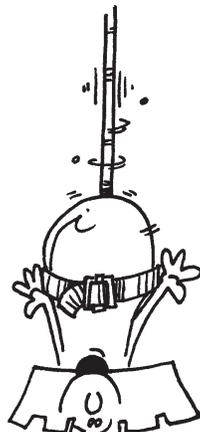
Inverted Loyd 52



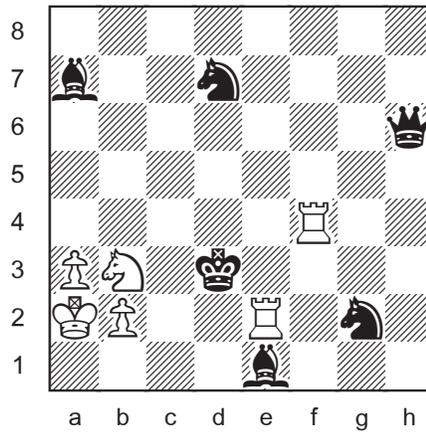
Rd8, Re4, Nd7 were added.

1.Nc5#

Same idea from a different angle.



Inverted Loyd 53



Re2, Rf4, Nb3 were added.

1.Nc1#

Obstructor rook on f4.

Until next time!

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