

(No Model.)

W. S. BATES.
PUZZLE.

No. 569,600.

Patented Oct. 20, 1896.

Fig. 1

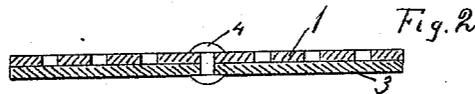
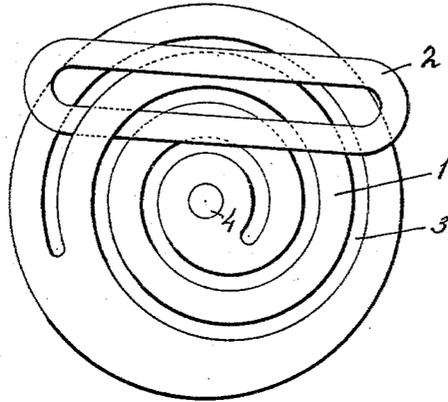


Fig. 2

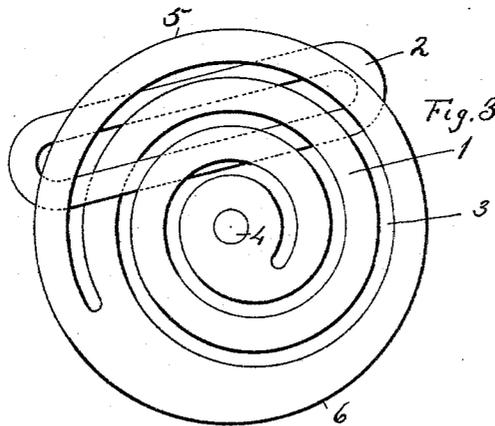


Fig. 3

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WILLIAM S. BATES, OF CHICAGO, ILLINOIS.

PUZZLE.

SPECIFICATION forming part of Letters Patent No. 569,600, dated October 20, 1896.

Application filed February 29, 1896. Serial No. 581,258. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM S. BATES, of Chicago, Illinois, have invented certain new and useful Improvements in Puzzles, whereof
5 the following is a specification.

My invention relates to puzzles to be made of flat material, such as celluloid, paper, &c.

It consists in a flat spiral with a closed outer end or coil, a loop through which the spiral is
10 threaded, and a disk or its equivalent to prevent the loop being taken off the inner end of the spiral. The spiral should be sufficiently flexible to permit its outer coil being bent or doubled over on itself, so as to pass through
15 the loop, and its outer diameter should be greater than the length of the slot in the loop. The disk should be too large to pass through the loop and too stiff to be bent and passed through, and where I use the word "disk"
20 herein I wish to be understood as meaning a device which will not pass through the loop.

In the drawings, Figure 1 is a top view of the puzzle. Fig. 2 is a central section of the spiral and disk, and Fig. 3 is a top view showing
25 the first step of the solution.

1 is the flat spiral, having its outer end closed by connecting the end of the outer coil to the next coil.

2 is the loop, strung upon one of the coils of the spiral.

3 is the disk, secured to the inner end of the spiral by a rivet 4 or otherwise.

To solve the puzzle, the loop is pushed through the spiral to the position shown in Fig. 3. The edges 5 6 of the spiral are then
35 brought together between the finger and thumb by bending the outer coil of the spiral and slipped through the loop.

I claim—

The herein-described puzzle composed of
40 a flat spiral with a closed outer end, a disk secured to the inner end of the spiral, and a loop strung upon one of the coils of the spiral, substantially as set forth.

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