

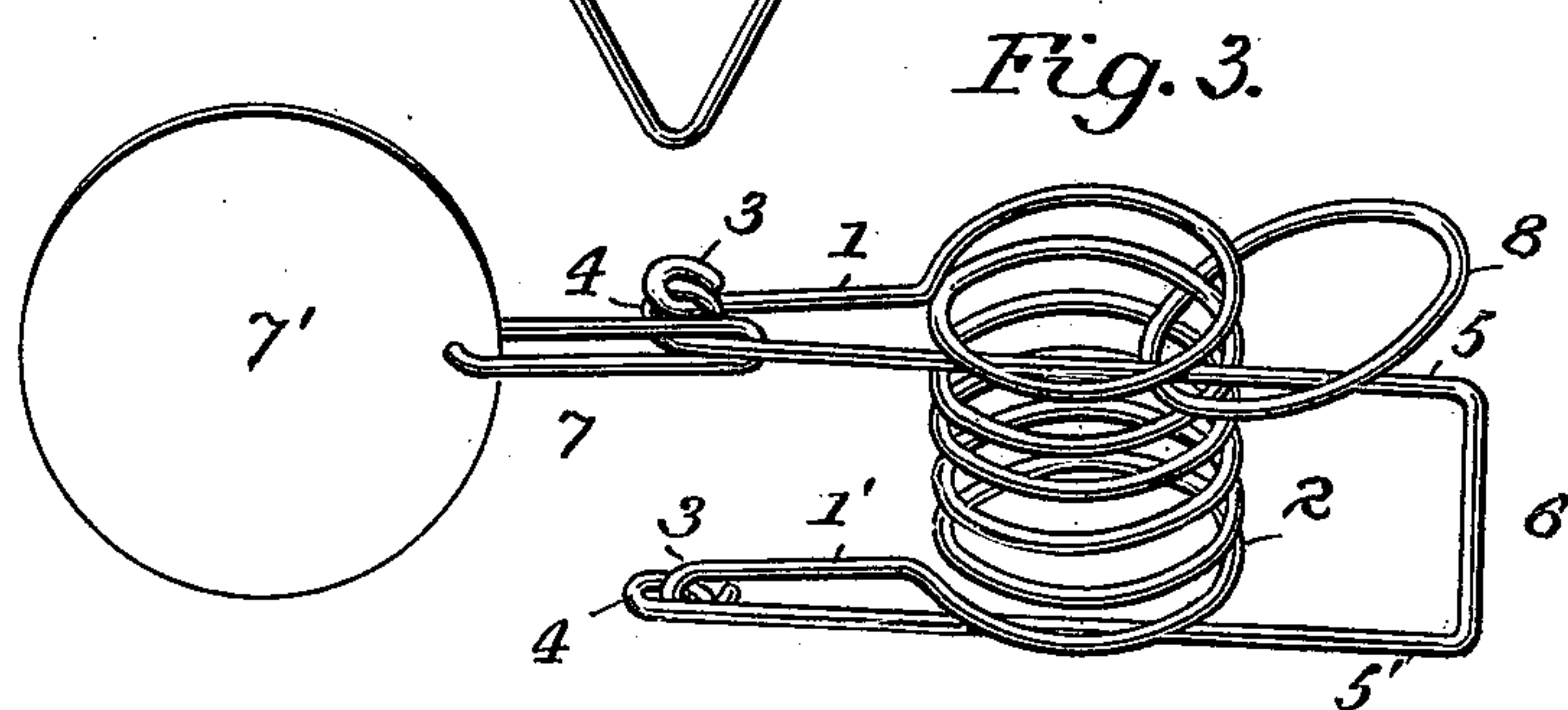
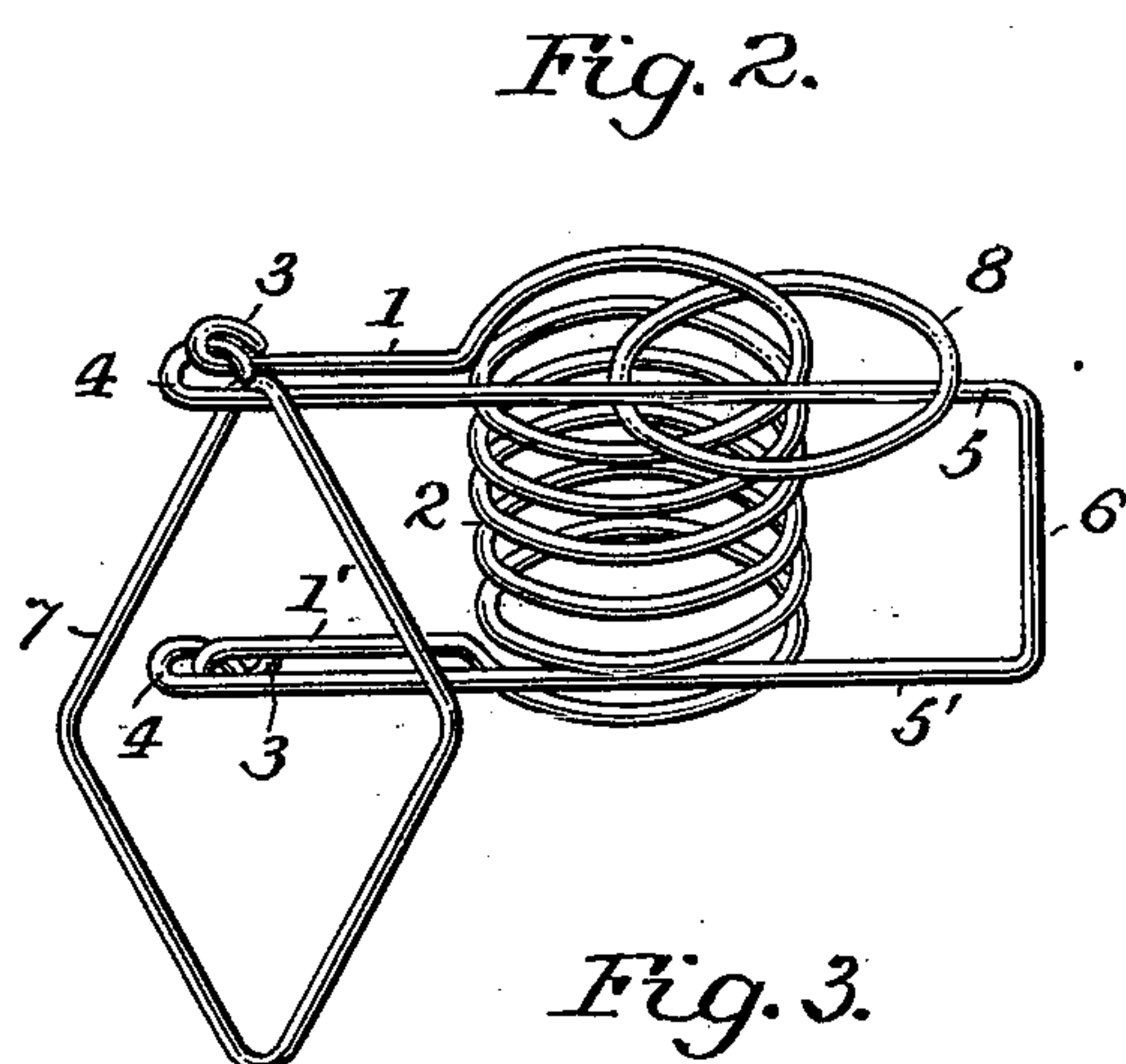
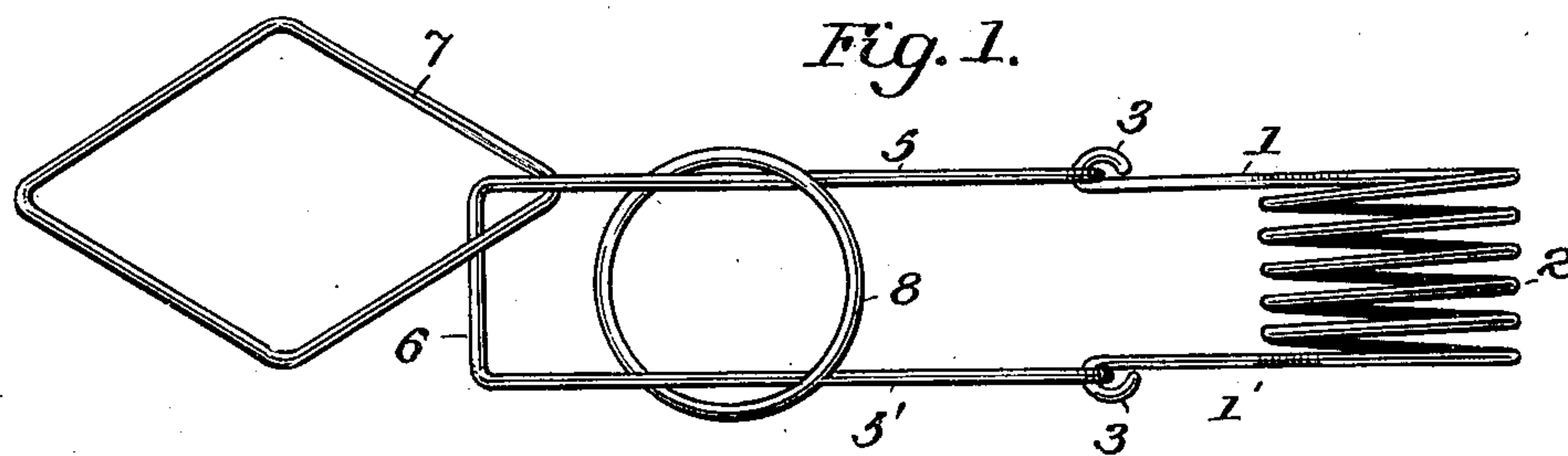
No. 652,946.

Patented July 3, 1900.

H. A. WRIGHT.
PUZZLE.

(Application filed Apr. 19, 1900.)

(No Model.)



Witnesses.

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UNITED STATES PATENT OFFICE.

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PUZZLE.

SPECIFICATION forming part of Letters Patent No. 652,946, dated July 3, 1900.

Application filed April 19, 1900. Serial No. 13,439. (No model.)

To all whom it may concern:

Be it known that I, HAROLD A. WRIGHT, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Puzzles, of which the following is a specification.

My invention relates to improvements in puzzles, the object of the invention being to provide a toy of that character which shall be of simple inexpensive construction and which will require peculiar adjustment and manipulation to permit of one of its parts being separated from the remainder.

In the accompanying drawings, Figure 1 is a view illustrating my improved puzzle, the parts being arranged in their normal positions; and Figs. 2 and 3 illustrate positions assumed by the movable parts after successive steps or adjustments and before the puzzle has been completely solved.

Referring to the drawings, it will be seen that my improved puzzle consists of three members, two of which are movably supported on the third or body member, and one of which may, by properly manipulating and adjusting the parts relative to each other, be removed from said third or body member. The body member consists of two sections, each preferably formed from a single piece of wire. One of these sections consists of two parallel arms or rods 1 1', which are connected at one end by a series of spiral coils 2, the said arms or rods and the intermediate coils being, as shown, formed from a single piece of wire. The ends of the arms 1 1' terminate in eyes or loops 3, which engage or are interlocked with similar eyes 4, formed in the ends of the other section of this body or main member of the puzzle. This second section is formed of a single wire preferably bent into such form as to inclose three sides of a rectangle, and the eyes 4 aforesaid are formed at the free ends of the parallel sides or arms 5 5', which are shown as of greater length than the other side 6. Another member of the device (designated by the numeral 8) is preferably made in the form of a ring of such size and so connected with the main member of the puzzle as to be removable therefrom only when the parts are adjusted and manipulated in a peculiar manner to be hereinafter

described. The removal of this ring from or applying it to the main member constitutes the "puzzle." The other member or guard 7 may be of any suitable form and is permanently interlocked with the main or body member. It is of such size and form that the ring cannot be passed over it. As shown in Fig. 1, it is of the form of a diamond, and, as shown in Fig. 3, it consists of a disk or plate 7', on which, if desired, suitable advertising matter can be arranged.

The manner of solving the puzzle will be readily understood from an examination of the drawings and the following description.

The parts being in the position indicated in Fig. 1, the ring and guard are slid onto the arm 5, and then the main body member is bent upon itself into the position indicated in Fig. 2, the upper side 5 of the rectangular-shaped section extending adjacent to the uppermost of the coils 2. The ring 8 can then be moved along the side 5 and around the upper one of the series of coils 2. When the ring has been advanced so far that it is about to engage with the next lower coil of the series, the rectangular section of the body member is adjusted so that its side 5 will extend between the first and second coils of the series. The ring can then be shifted again, and by successively repeating the adjustment of the bars 5 5' it can be entirely disengaged from the coils 2.

The member 7, it will be noticed, is not to be adjusted in solving the puzzle, and is, in fact, as above stated, not intended to be removed from the body portion. Such member 7 is, however, adjustable or movable on the body portion, and therefore renders the solving of the puzzle more difficult, as some adjustment thereof is likely to be thought necessary to permit of withdrawing the removable member 8. The removable ring member 8 is of less diameter than the coils 2, so that it cannot be removed from its support or body portion of the puzzle without adjusting and manipulating the parts in the manner above described.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The herein-described puzzle consisting of a body-piece composed of two sections

hinged together, one of said sections having two side portions united by a series of spiral coils, and the other section having two side portions suitably united, in combination with
5 a guard member permanently interlocked with the main or body member and movable thereon, and a ring member removably mounted on the body member, said ring member being of such diameter that it cannot be passed
10 over the guard or directly over the spiral coils.

2. The herein-described puzzle consisting of a body-piece composed of two sections hinged together, one section comprising the

parallel sides 1, 1', the intermediate coils 2, and the eyes 3, and the other section comprising the parallel sides 5, 5', the transverse portion 6, and the eyes 4, in combination with a guard permanently interlocked with said body-piece, and a ring removably mounted on said body-piece, substantially as described. 15 20

In testimony whereof I affix my signature in presence of two witnesses.

HAROLD A. WRIGHT.

Witnesses:

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