

A. W. MAGERHAUS.
Toy Puzzles.

No. 153,717.

Patented Aug. 4, 1874.

Fig. 1.

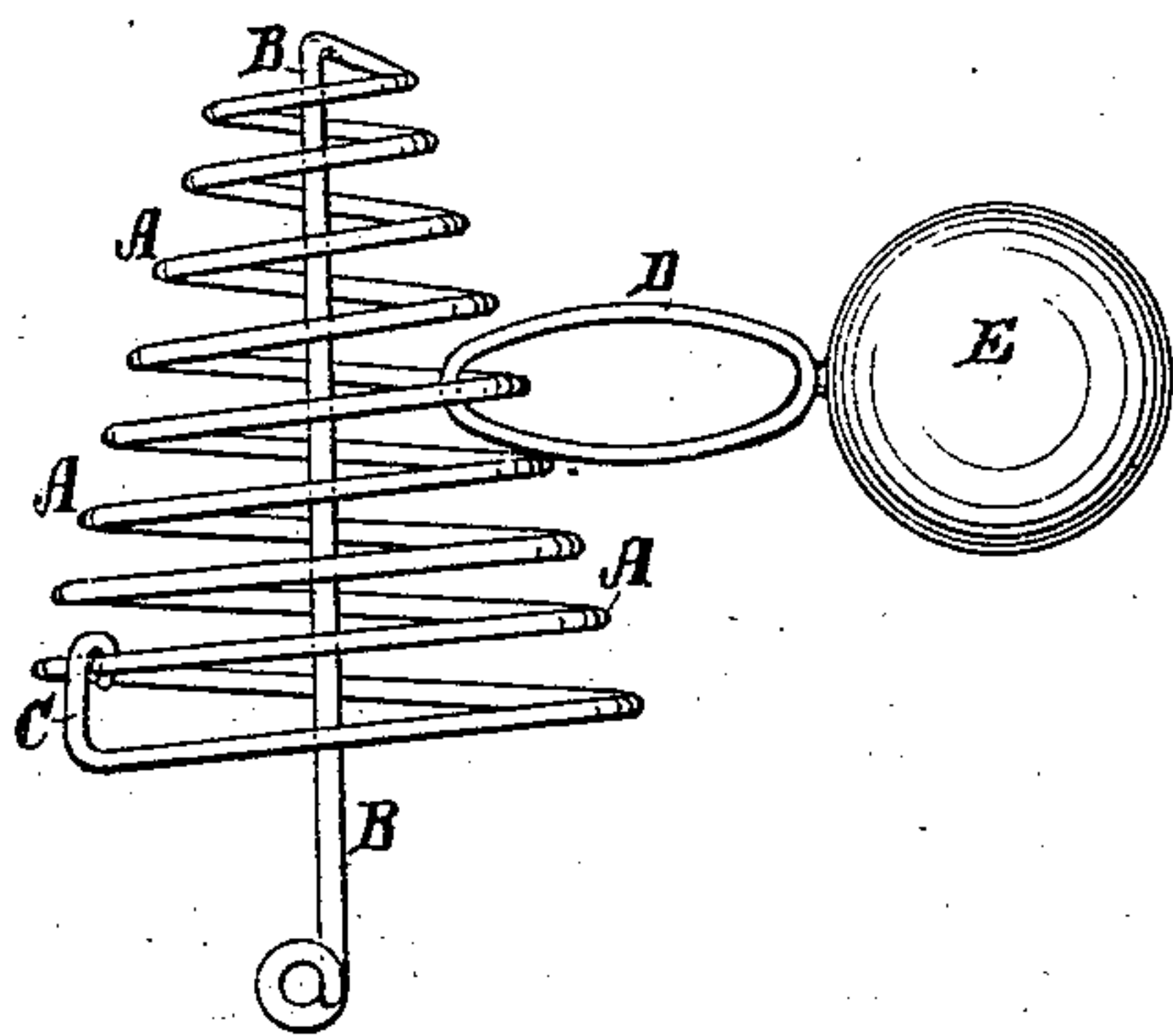


Fig. 2.

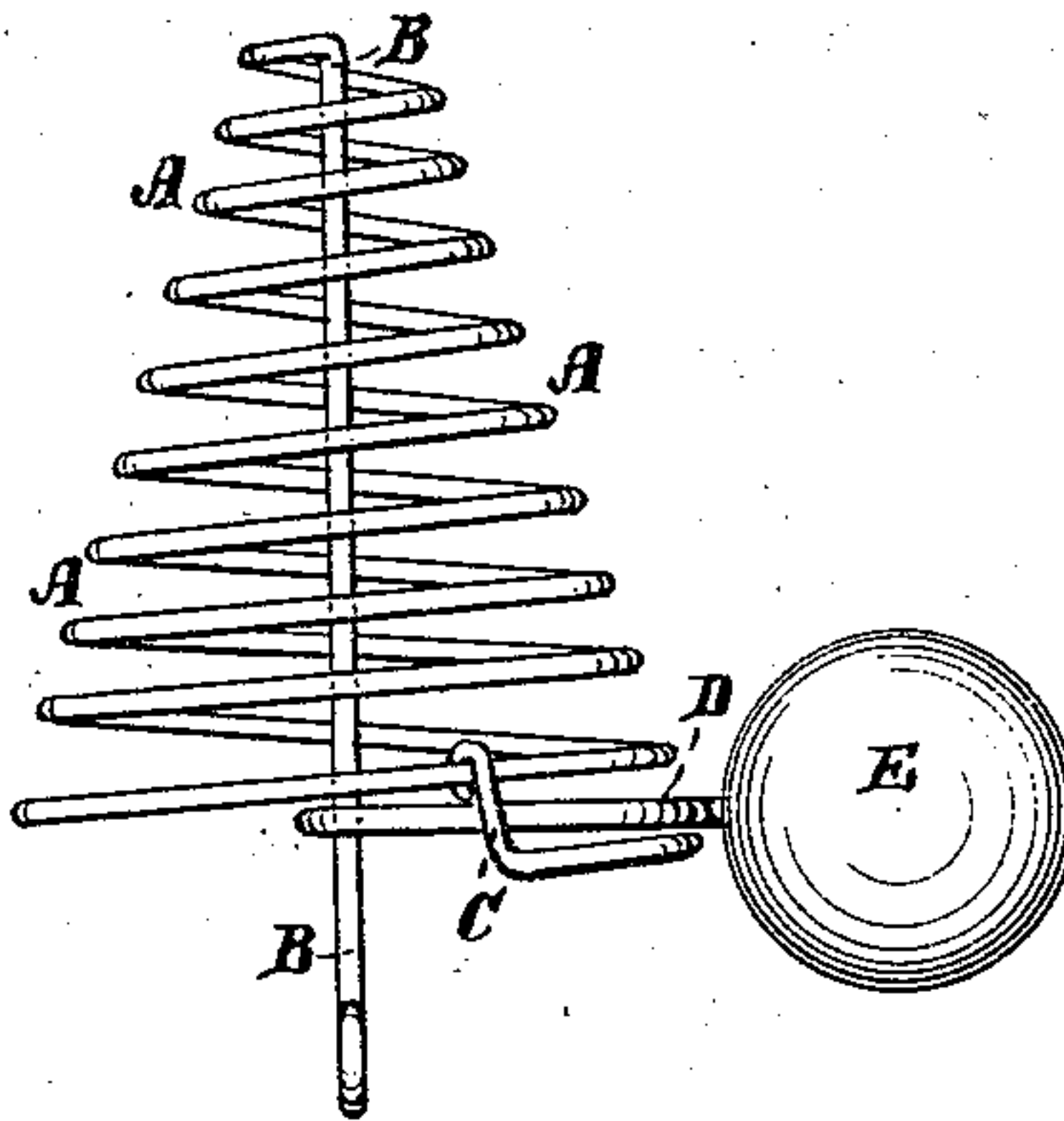
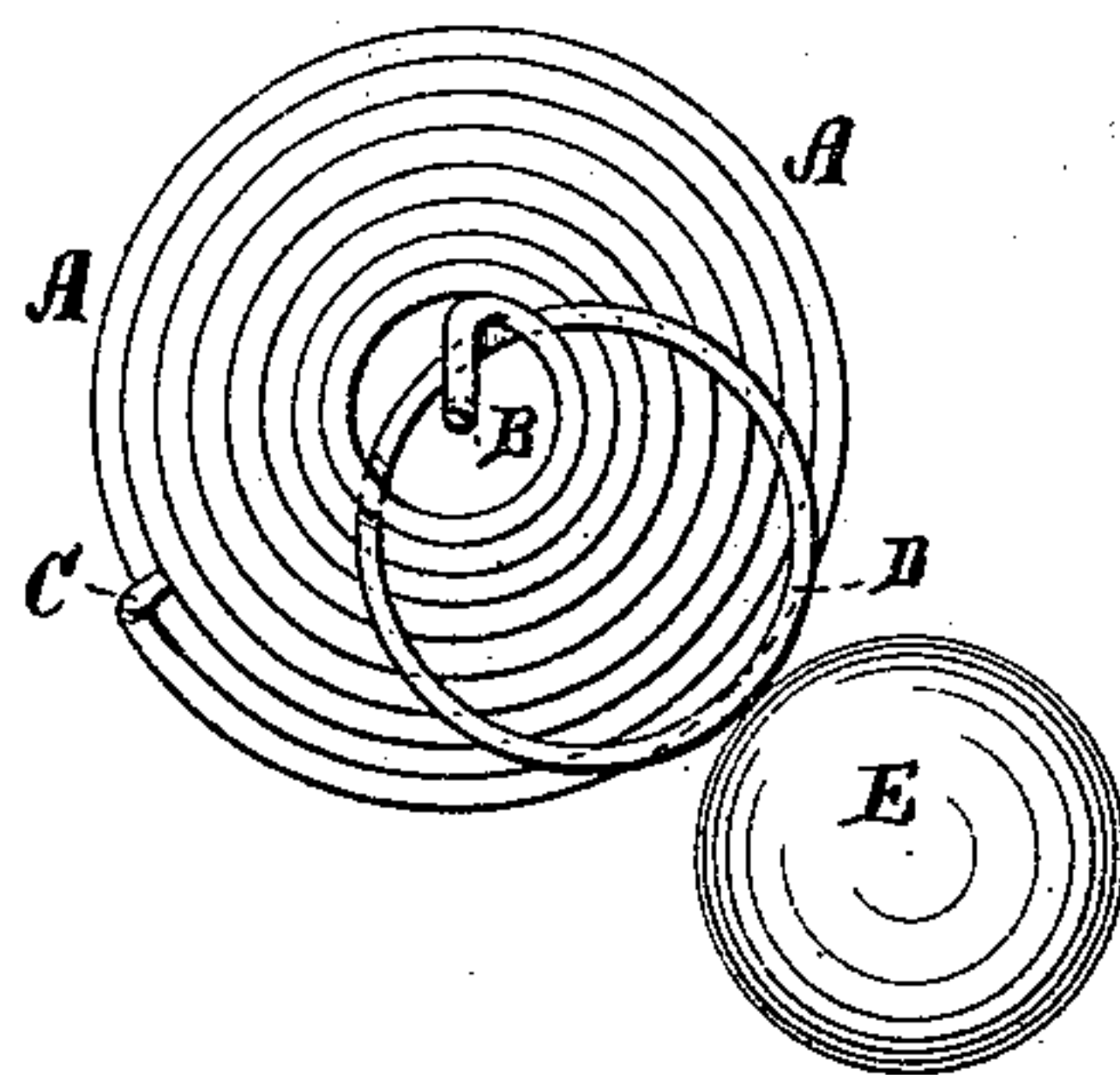


Fig. 3.



Witnesses:

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Inventor:

Adolph W. Magerhaus

UNITED STATES PATENT OFFICE.

ADOLPH. W. MAGERHAUS, OF NEW YORK, N. Y.

IMPROVEMENT IN TOY PUZZLES.

Specification forming part of Letters Patent No. **153,717**, dated August 4, 1874; application filed March 5, 1874.

To all whom it may concern:

Be it known that I, ADOLPH. W. MAGERHAUS, of the city and county of New York, in the State of New York, have invented a new Improvement in Toys, of which the following is a specification:

My invention relates to the class of toys generally called puzzles. It consists of a spiral coil of wire, in combination with a ring, to which a handle or ball is attached, the insertion of the ring into the spiral and the withdrawal of the same being a test of ingenuity, and at the same time affording amusement.

In the accompanying drawing, Figures 1 and 2 represent side views of the spiral coil and ring combined. Fig. 3 is a top view of the same.

Similar letters of reference indicate corresponding parts.

The letter A in the drawing represents the spiral coil of wire. The top end B of this wire is continued through the center of the coil, and extends below the base of the same. The bottom end C is attached to the lowest coil, thus closing the spiral at the base. D is a ring, to which a handle or ball, E, is attached.

The ring D being inserted into the coil and brought into the position shown in Fig. 1, the problem is to take the ring out. To do this, the ring is wound upward to the top of the coil and brought into the position shown in Fig. 3, in which the straight end B of the coil is inside of the ring D. The ring is now wound downward until it comes into the position shown in Fig. 2, when it can be taken out by slipping it over the straight end B of the coil. The problem of inserting the ring into the coil is solved by reversing the described operation. The handle or ball E prevents the ring from slipping through the coil when the straight end B is inside of the ring.

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

The toy puzzle herein described, consisting of the wire coil A, straight portion B, and ring and handle D E, all constructed and arranged substantially as set forth.

ADOLPH. W. MAGERHAUS.

Witnesses:

DAVID THORNTON,
ALBERT H. FROST.