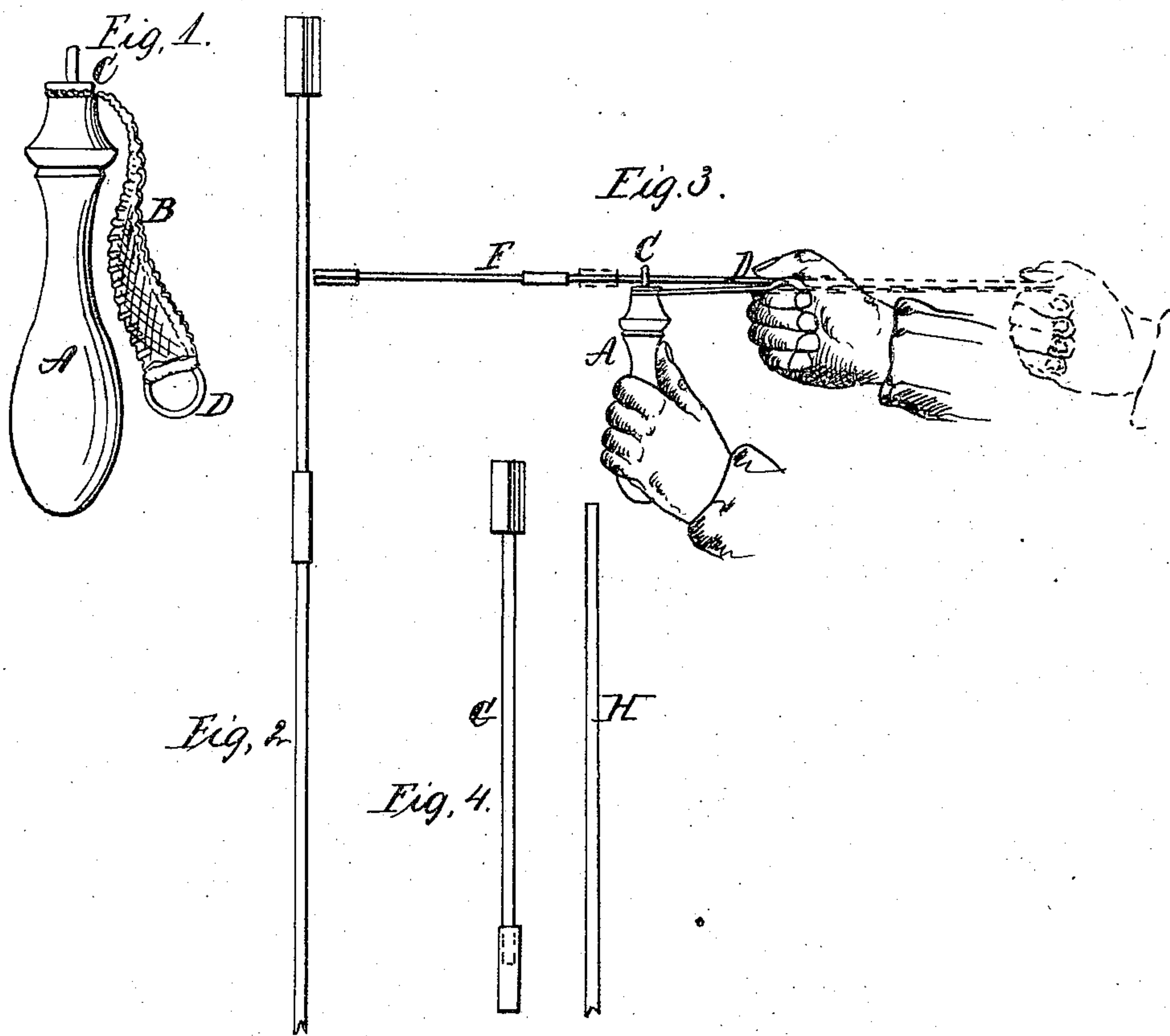


W. S. McNeil.

Toy Spring and Arrow.

N<sup>o</sup> 86,993.

Patented Feb. 16, 1869.



Witnesses  
Michael Ryan  
a. j. Tibbitts

Inventor,  
W. S. McNeil  
By his Attorney  
John E. Earle



W. S. McNEIL, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO HIMSELF AND ARCHIBALD McNEIL, OF SAME PLACE.

Letters Patent No. 86,993, dated February 16, 1869.

IMPROVEMENT IN TOY-SPRING AND ARROW.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, W. S. McNEIL, of Bridgeport, in the county of Fairfield, and State of Connecticut, have invented a new Improvement in Toy-Spring and Arrow; and I do hereby declare the following, when taken in connection with the accompanying drawings, and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view of the spring and handle;

Figure 2, the arrow;

Figure 3, the operation; and in

Figure 4, the two parts of the arrow separated.

This invention is designed for a toy for children, in the shape of an arrow, and spring for throwing the same; and consists in the arrangement of a spring, of suitable material, as India rubber, fixed to one end of a handle, with a ring or guide in the same end of the handle, through which the arrow passes, to a ring or similar arrangement in the end of the spring, so that, the handle being held in one hand, the arrow passes through the guide in the handle, the but of the arrow and the end of the spring taken between the thumb and finger of the other hand, and the spring drawn back, a reaction of the spring will throw the arrow in similar manner as when thrown from a spring-bow.

To enable others to fully understand my invention, I will proceed to describe the same, as illustrated in the accompanying drawings.

A is the handle, of any convenient form, to be held in the hand, in the end of which is fixed a spring, B, of any suitable material, as India rubber, and to the same end of the handle a ring, or guide, C, is fixed, of

sufficient size to admit the passage of the arrow there-through, and to the other end of the spring, a ring, D, or its equivalent, is securely fixed, so that by holding the handle in one hand, and taking the ring D in the other, the spring may be drawn out.

Taking the handle A in one hand, as seen in fig. 3, passing the arrow E through the guide C, its but resting in the ring D, then taking the but and ring D in the other hand, draw back, as denoted in red, then allow the spring to fly from the fingers, and the arrow will be thrown, directed by the guide C, in similar manner as it is thrown from the common bow.

For convenience, I divide the arrow into two parts, G and H, as seen in fig. 4, so that the child may carry the arrow in his pocket. The socket on one part receives the end of the other part, and secures the two parts together as one.

The advantage of this toy over the ordinary bow and arrow is, that the child can carry this in his pocket without danger of breaking, while the bow and arrow of the same power is an inconvenient toy for the child to carry with him.

Having thus fully described my invention,

What I claim as new and useful, and desire to secure by Letters Patent, is—

The spring B, upon the handle A, combined with the guide C and arrow-holder D, the whole constructed and arranged so as to direct and throw the arrow, substantially in the manner herein set forth.

W. S. McNEIL.

Witnesses:

A. J. TIBBITS,  
MICHAEL RYAN.