

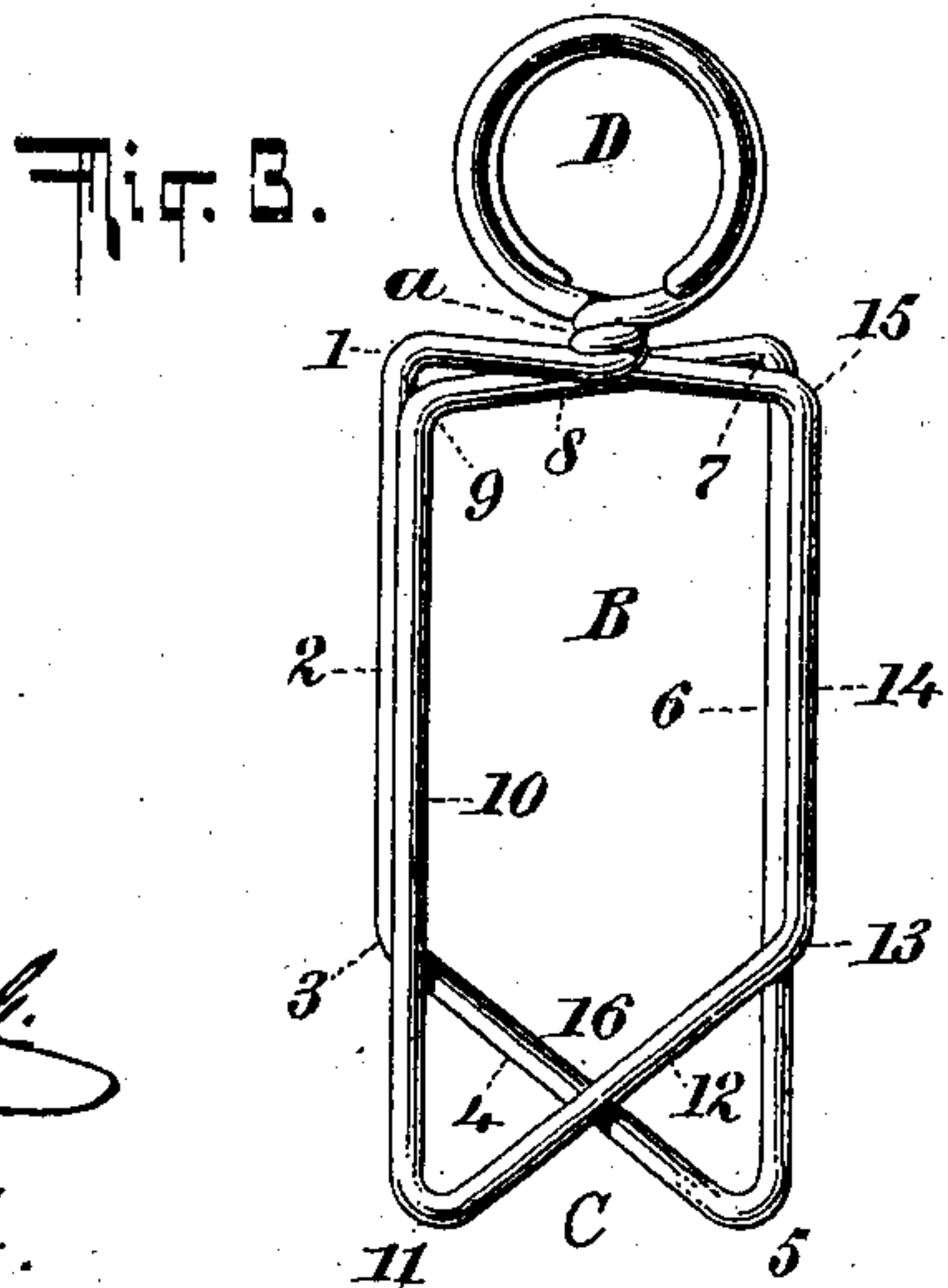
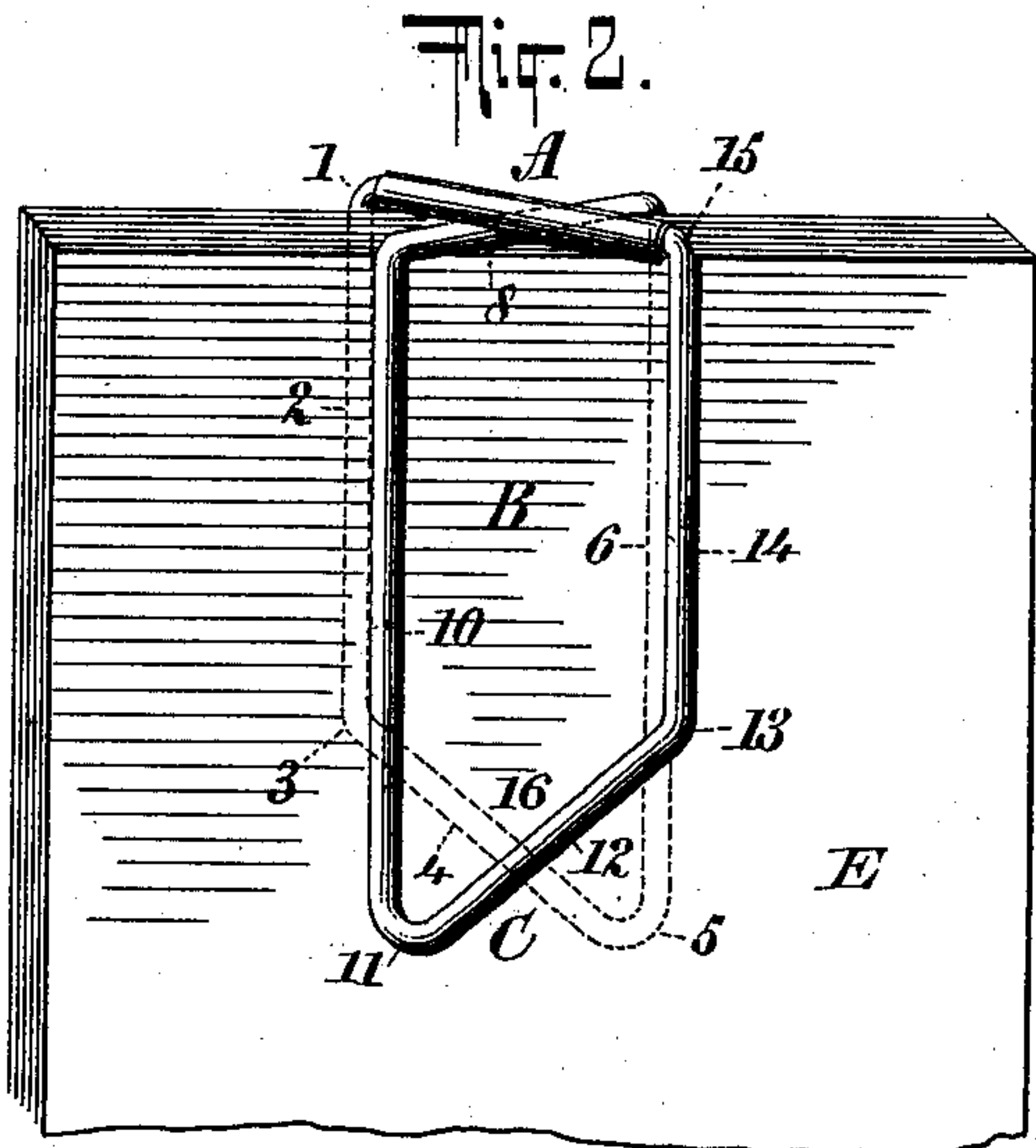
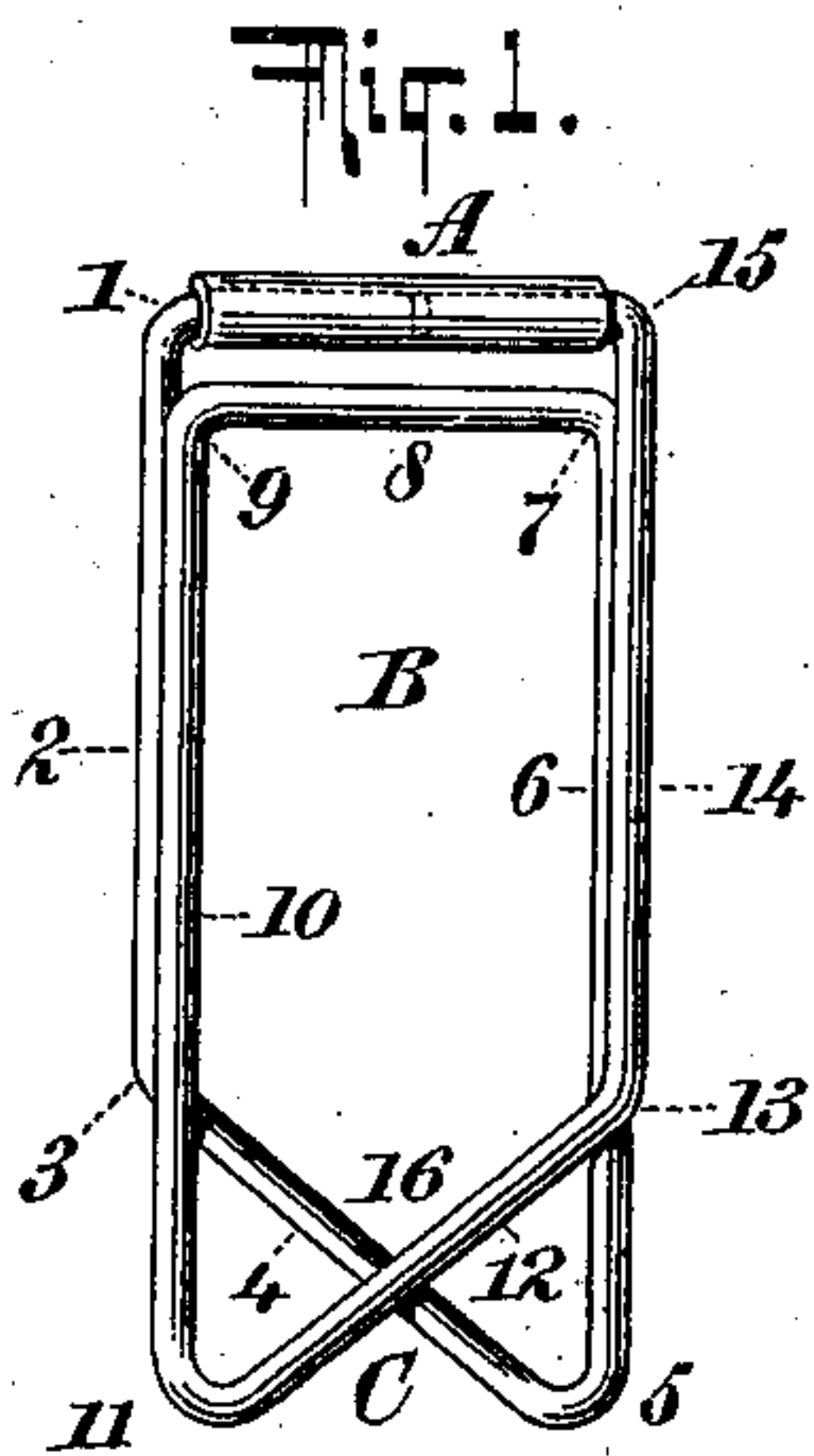
No. 753,611.

PATENTED MAR. 1, 1904.

G. W. MCGILL.
SPRING CLIP.

APPLICATION FILED JULY 17, 1903.

NO MODEL.



WITNESSES:

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UNITED STATES PATENT OFFICE.

GEORGE W. MCGILL, OF RIVERDALE-ON-HUDSON, NEW YORK.

SPRING-CLIP.

SPECIFICATION forming part of Letters Patent No. 753,611, dated March 1, 1904.

Application filed July 17, 1903. Serial No. 166,057. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. MCGILL, a citizen of the United States, and a resident of Riverdale-on-Hudson, in the county of New York and State of New York, have invented certain new and useful Improvements in Spring-Clips, of which the following is a specification.

This invention is an improvement on the device secured to me by United States Letters Patent No. 731,598, dated June 23, 1903, which has for its object to provide a simple, novel, and effective spring-clip for holding together papers, prints, and such like articles and which is adapted in some of its formations to be hung or suspended from a nail or rod or other like fixture and which consists of a single piece of suitable spring-wire having its end parts folded upon each other in manner to provide the clip a frame or body part in the greater portion of which the wire is in two strands superimposed in spring-bearing one upon the other and having a part of the wire in each of such strands and forming the lower part or base of the frame bent and such bends set side by side in position therein to jointly provide between them a space opening outwardly from the frame and forming a mouth thereto adapted to receive the edges of the articles being clipped and to admit of the bearing of the opposite outer surfaces of such articles against the opposite under surfaces of the respective bends in the wire forming such mouth in manner to assist in spreading apart the superimposed surfaces of the wires in the frame on each side of such mouth upon the articles being pressed into said mouth or by pressing the clip down upon the edges of the articles so placed; and the novel feature of the present improvement consists in securing together above the top of the frame proper the free ends of the wire, such connecting of the free ends increasing the resilience of the bearing parts of the wire by increasing the torsional strain to which they are subjected on the entrance of papers or other like articles between them, as further herein-after described.

In the accompanying drawings, forming part of this specification, and in which similar

reference characters indicate corresponding parts, the clip is shown having a frame or body part of quadrilateral formation.

Figure 1 represents a side elevation of the completed clip. Fig. 2 is a similar view of the clip, showing it applied in holding together several sheets of paper; and Fig. 3 shows a modified construction of the device and in which is shown the top part of its frame provided with means for suspending it.

In forming the device its rectangular frame B is fashioned by bending the wire composing it successively at 1, 3, 5, 7, 9, 11, 13, and 15 in manner to provide the frame the superimposed strands or members of its vertical sides 2 10 and 6 14, the diagonal members 4 12 of its base, the horizontal top 8 of its frame proper, with the terminals of the wire projecting inwardly above and parallel with such top and whereat they are housed in a metal tubular case A, seated diagonally across and on a line parallel with such top and completing the device. The strands or members composing the frame are in resilient spring-bearing from the bends 9 to 3 and 7 to 13 and at their diagonal crossing 16. The diagonal base members 4 12 provide below and between them the outwardly-opening mouth C, in which is received papers and other like articles entered in the clip.

In the modified construction of the device shown in Fig. 3 the ends of the wire composing it instead of being housed in a tubular case above the top 8 of the frame are connected together by being coiled upon each other in manner to provide at their juncture the neck α , with their free ends carried around in opposite directions above such neck and in the plane of the frame in manner to provide the helical ring D, providing the device means by which it may be suspended.

The clip is applied to the purposes intended by entering crosswise in its mouth C the edges of the papers or other articles being clamped, whereupon a slight pressure applied to the top of the clip will turn it upon the edges of the papers and bring it to a position corresponding with the plane occupied by the papers, with the opposite surfaces of the latter bearing against the inner surfaces of the re-

spective bends or folds of the wire forming such mouth and separating them and the superimposed parts of the frame, and upon such pressure being continued the papers will be
 5 forced up between the superimposed wires in the frame until the inner top of the latter rests upon and rides the edges of the clipped part of such papers with the housed terminals of the wire crossing such top diagonally
 10 in opposite directions, as shown in Fig. 2, wherein E represents the clipped papers. Connecting together the free ends of the wire above the top and axis of the frame increases the resilience or spring-bearing of the super-
 15 imposed surfaces of the wire by doubling the torsional resistance to which the wire in the upper part of the frame is subjected on entering in the device the articles being clipped.

What I claim herein as my invention, and
 20 desire to secure by Letters Patent, is—

1. A spring-clip composed of a piece of suitable spring-wire folded in manner to provide the clip a two-stranded rectangular-shaped body part or frame in which parts of the wire
 25 providing the frame sides are superimposed in spring-bearing one against the other, and parts of the wire providing the frame-base are folded upward diagonally across the frame area in manner to cross each other in spring-bearing
 30 therein, and beyond which they merge into the wires of the opposite sides of the frame, their diagonally-set parts jointly providing below their crossing a space, or mouth, opening outwardly from the frame; with the ter-
 35 minals of the wire forming the clip folded toward each other across the opposite end of the frame and secured together thereat.

2. A spring-clip composed of a piece of suitable spring-wire folded in manner to provide
 40 the clip a two-stranded rectangular-shaped

body part or frame in which parts of the wire providing the frame sides are superimposed in spring-bearing one against the other, and parts of the wire providing the frame-base are folded
 45 upward diagonally across the frame area in manner to cross each other in spring-bearing therein, and beyond which they merge into the wires of the opposite sides of the frame, their diagonally-set parts jointly providing
 50 below their crossing a space, or mouth, opening outwardly from the frame; with the terminals of the wire forming the clip folded toward each other across the opposite end of the frame and housed together in alinement thereat by a tubular metal case.

3. A spring-clip composed of a piece of suitable spring-wire folded in manner to provide the clip a two-stranded rectangular-shaped body part or frame in which parts of the wire
 55 providing the frame sides are superimposed in spring-bearing one against the other, and parts of the wire providing the frame-base are folded upward diagonally across the frame area in
 60 manner to cross each other in spring-bearing therein, and beyond which they merge into the wires of the opposite sides of the frame, their diagonally-set parts jointly providing
 65 below their crossing a space, or mouth, opening outwardly from the frame; with the terminals of the wire forming the clip folded toward each other across the opposite end of the
 70 frame and secured together thereat in manner providing it means of suspension.

Signed at Riverdale - on - Hudson, in the county of New York and State of New York, 75
 this 15th day of August, A. D. 1901.

GEORGE W. MCGILL.

Witnesses:

W. HARRY MCGILL,
 M. L. H. MCGILL.