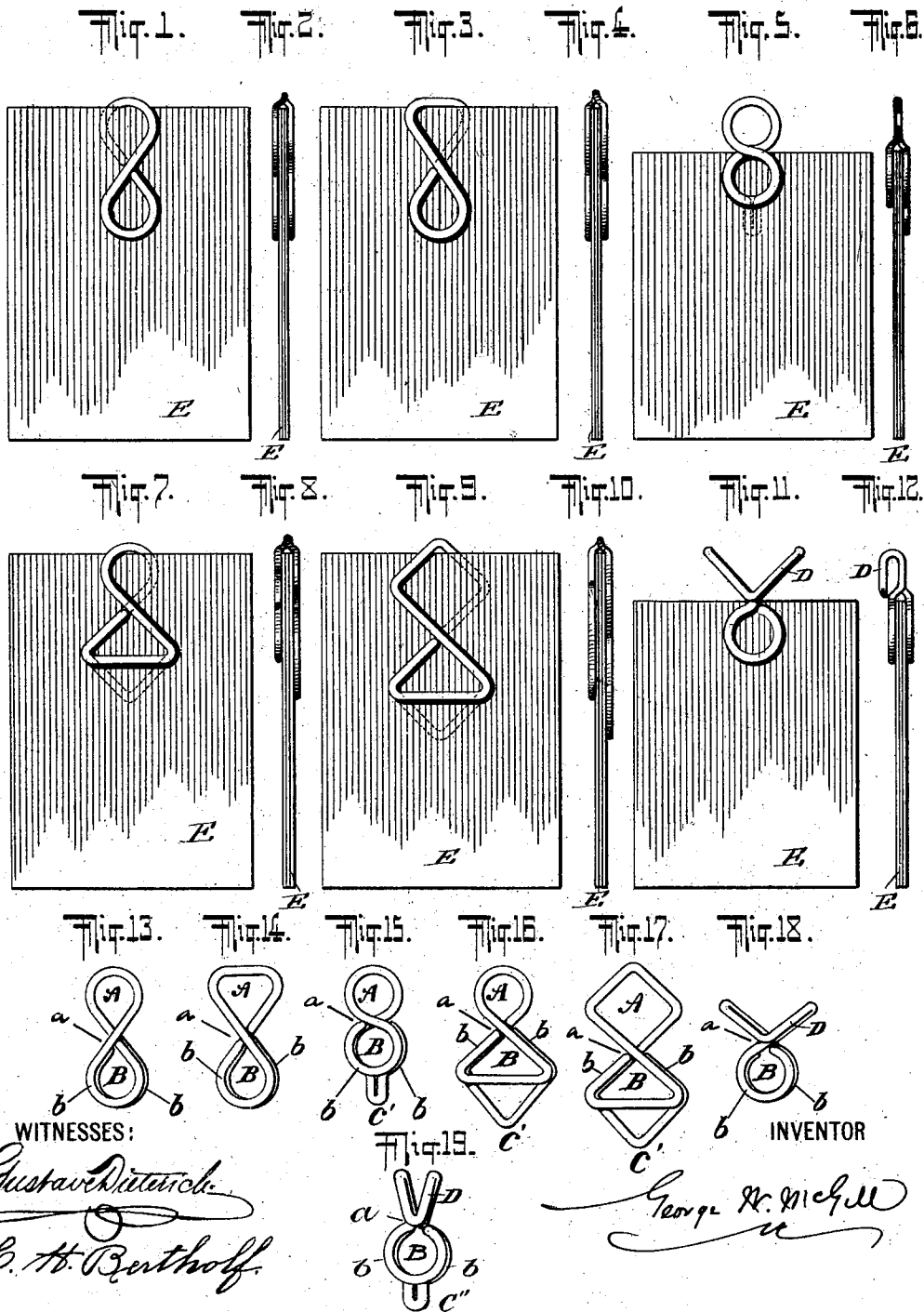


No. 721,071.

PATENTED FEB. 17, 1903.

G. W. MCGILL.
SPRING WIRE PAPER CLIP.
APPLICATION FILED JULY 7, 1902.

NO MODEL.



UNITED STATES PATENT OFFICE.

GEORGE W. MCGILL, OF RIVERDALE, NEW YORK.

SPRING-WIRE PAPER-CLIP.

SPECIFICATION forming part of Letters Patent No. 721,071, dated February 17, 1903.

Application filed July 7, 1902. Serial No. 114,571. (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, in the county of New York and State of New York, have invented certain new and useful Improvements in Spring-Wire Paper-Clips, of which the following is a specification.

My invention consists in a spring clip or holder for papers fashioned from a single piece of spring-wire of suitable gage and length and folded to represent somewhat in its configuration the numeral 8, the upper loop of such numeral configuration being formed of a single strand or fold of the wire and its lower loop of a doubled strand or fold thereof, one of such strands or folds being superimposed upon the other. The edges of the papers being secured are slid in between the two superimposed strands of the wire forming the lower loop and on into the upper loop and are clamped between the superimposed strands of the lower loop by the resilience of the wire composing same.

In the drawings several modifications in the configuration of the device are shown, all embodying the same principle and features—to wit, an upper and lower loop, that part of the wire forming the upper loop being single and that part forming the lower loop being double, the lower or two-strand loop clamping the papers between its superimposed strands and the single-strand upper loop receiving and riding the edge of such papers. Figures 1 to 12, inclusive, represent alternate plan and edge views of the clip in various modifications of configuration clamping and holding papers as designed; and Figs. 13 to 18, inclusive, are perspective views of the various forms of the device proper shown in the former figures.

In fashioning the device the wire is folded at its center, and the two members or arms formed by the fold are crossed below the same, as at *a*, thereby forming of a single strand of the wire the upper loop A. The end parts *b* of the wire are then folded back toward each other in opposite directions and parallel planes to the line of such crossing *a*, the loop B having the two wires *b b* composing it superimposed one upon the other, as shown in

perspective in Fig. 13 and in plan and edge views as applied clamping the papers E in Figs. 1, 2. Figs. 14, 3, and 4 are similar views of the device, showing its upper loop triangular in form instead of pyriform, as shown in Figs. 1, 13.

Figs. 15, 5, and 6 show a configuration of the device similar to that shown in Figs. 13, 1, 2, excepting that the under strand or fold of the wire forming its loop B is provided with a spur C to facilitate the separation of such strands on entering papers between them.

Figs. 16, 7, and 8 show a configuration of the device wherein the wire on one side of its loop B is folded into a triangular loop and the wire on the opposite side into a parallelogram or rectangular loop, the dependent angular part C' of the loop serving in this configuration a purpose similar to the spur C in Figs. 15, 5, and 6, before described.

Figs. 17, 9, and 10 show a configuration of the device similar to that shown in Figs. 16, 7, 8, excepting that its upper loop is rectangular in shape instead of pyriform.

Figs. 18, 11, and 12 show a configuration wherein the upper part of the loop A is folded over and down in a plane parallel with and slightly removed from its lower part to provide a suspending-hook part D to enable the device to be hung upon a string, and Fig. 19 is a view similar to Fig. 18, excepting that the loop B of the device is shown provided with the spur C'', fashioned as in Fig. 15.

In all the other configurations the device is adapted to be suspended from a nail while holding or clipping papers, when desired, by allowing the single-wired loop of the device to project above the edge of the papers, as shown in Fig. 5.

In Figs. 1 to 12, inclusive, the device is shown clipping or holding papers, the latter being marked E in the drawings.

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

1. A paper-clip composed of a single piece of spring-wire folded from its center in manner to form a double-looped figure resembling in shape the numeral 8, the wire in the upper loop of the figure consisting of a single strand and that in the lower loop of two strands

superimposed through their entire length one upon the other.

2. A paper-clip composed of a single piece of spring-wire folded from its center in manner to provide a double-looped figure resembling in appearance the numeral 8, the folded-over halves of the wire crossing each other at the base of the upper loop and their extensions further folded down, around and back in opposite directions forming the lower loop, with their free ends and terminals resting below the central crossing of the wires forming such base of the upper loop and top of the lower one.

3. A paper-clip composed of a single piece of spring-wire folded from its center in manner to form a double-looped figure, the folded-over halves of the wire crossing each other at the base of an upper loop and further folded downward, around, upward and inward in opposite directions with their free ends and terminals resting below the central crossing of the wires, providing a lower loop composed of two superimposed strands of the wire in spring contact with each other and an upper loop composed of a single strand of the wire.

4. A paper-clip composed of a single piece of spring-wire folded from its center in manner to provide a double-looped figure, the folded-over halves of the wire forming the same crossing each other at the base of an upper loop and the top of a lower one, and further similarly folded in opposite directions with their free ends and terminals resting below such crossing of the wire between the loops, providing an upper loop composed of a single strand of the wire and a lower loop composed of two superimposed strands thereof in spring bearing one upon the other, the lower part of one of such strands projecting

below the lower part of the other, the loops being integral.

5. A paper-clip composed of a single piece of spring-wire folded from its center in manner to provide a double-looped figure, the folded-over halves of the wire forming such figure crossing each other at the base of an upper loop and top of a lower one, and further similarly folded in opposite directions with their free ends and terminals resting below such crossing of the wires providing a lower loop composed of two superimposed strands of the wire in spring bearing one against the other and an upper loop composed of a single strand of wire, such upper loop folded over and downward upon itself providing a hook.

6. A spring-clip composed of a single piece of spring-wire folded from its center in manner to provide a double-looped figure, the folded-over halves of the wire forming such figure crossing each other at the base of an upper loop and top of a lower one, and further similarly folded in opposite directions, with their free ends and terminals resting below such crossing of the wires providing a lower loop composed of two superimposed strands of the wire in spring bearing one against the other, the lower part of one of such strands projecting below the lower part of the other, and an upper loop composed of a single strand of wire folded over and downward upon itself, providing a hook.

Signed at Riverdale, in the county of New York and State of New York, this 18th day of March, A. D. 1902.

GEORGE W. MCGILL.

Witnesses:

W. HARRY MCGILL,
JOHN E. FRYER.