

No. 753,614.

PATENTED MAR. 1, 1904.

G. W. MCGILL.
SPRING CLIP.

APPLICATION FILED OCT. 31, 1903.

NO MODEL.

Fig. 1.

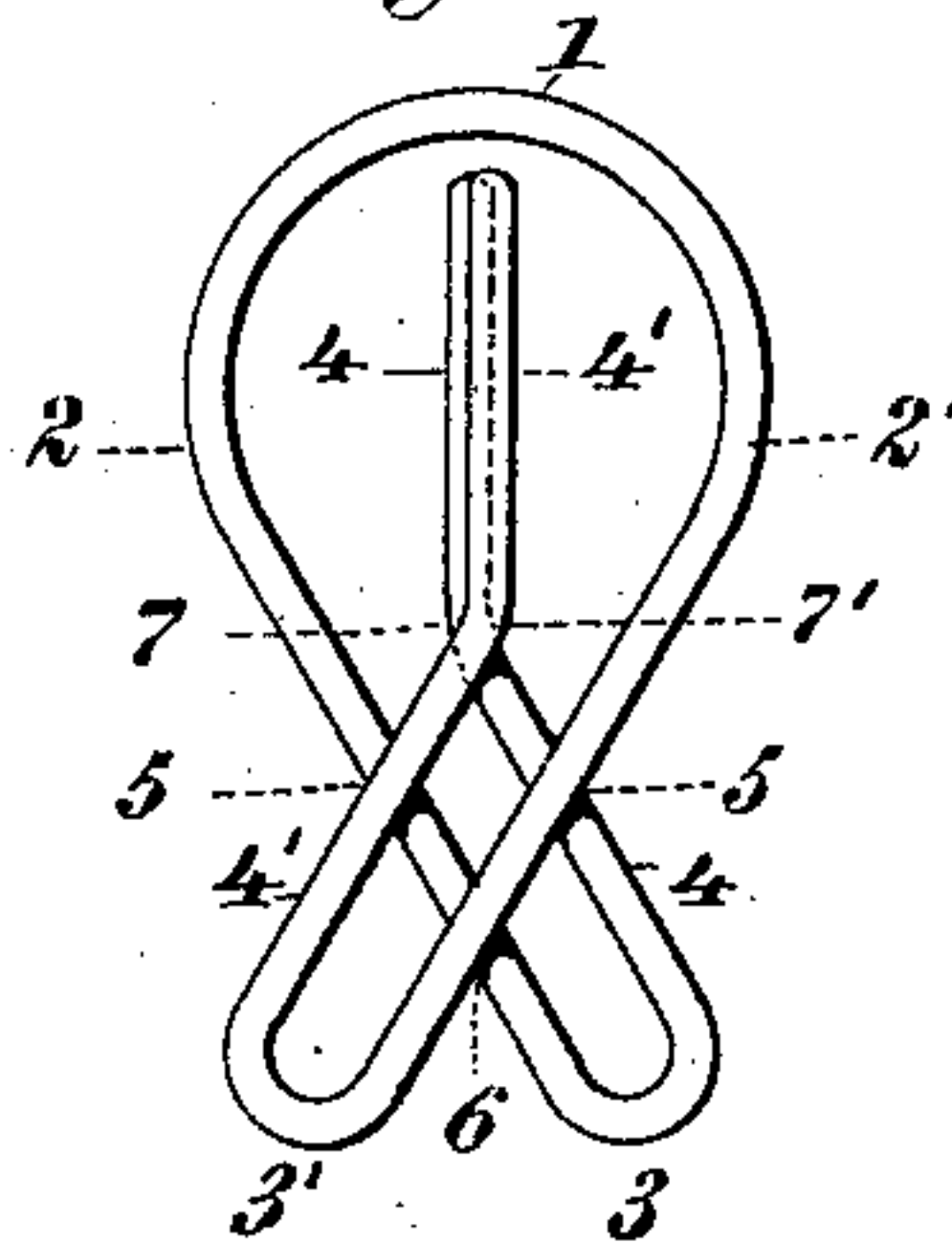


Fig. 2.

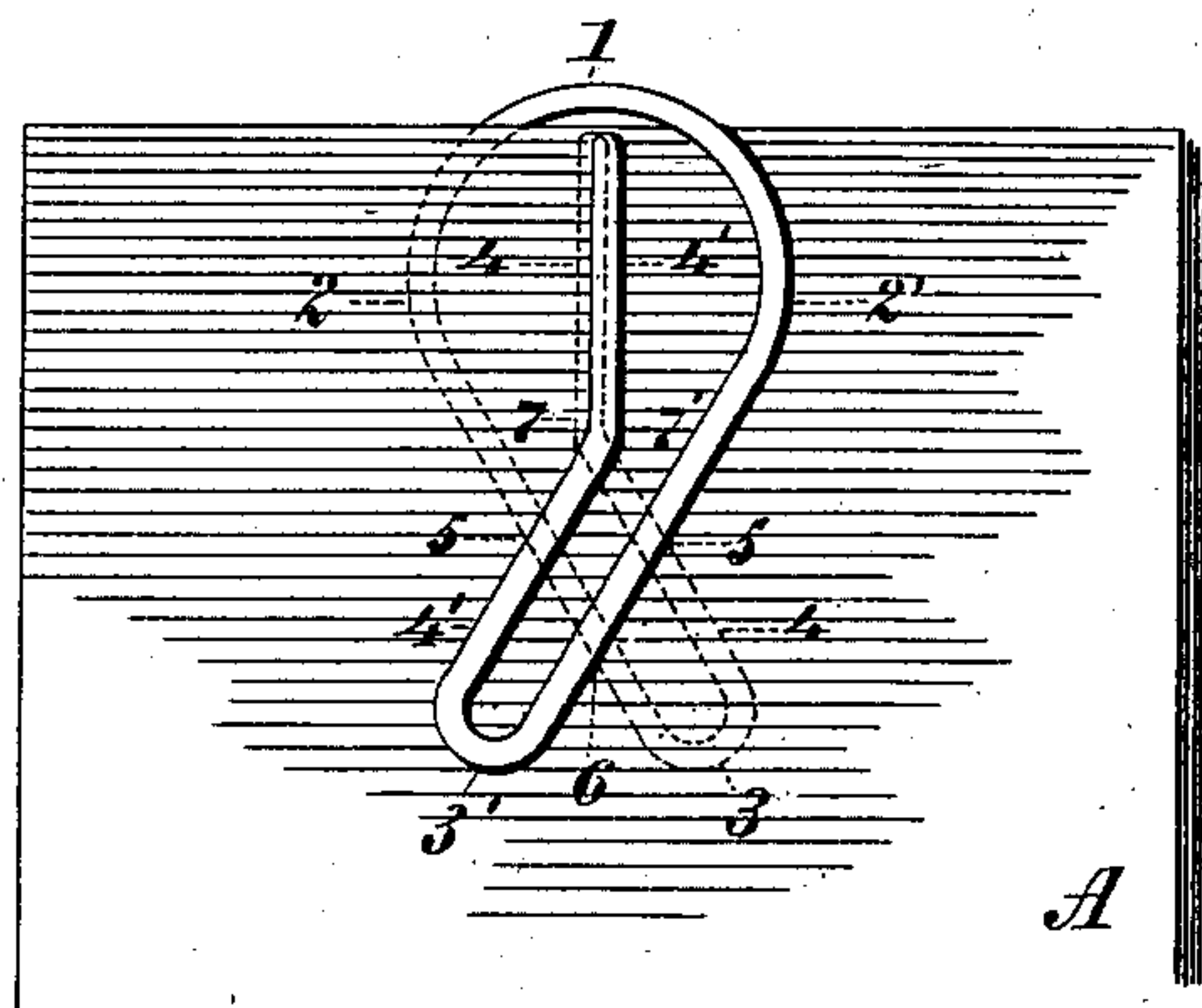
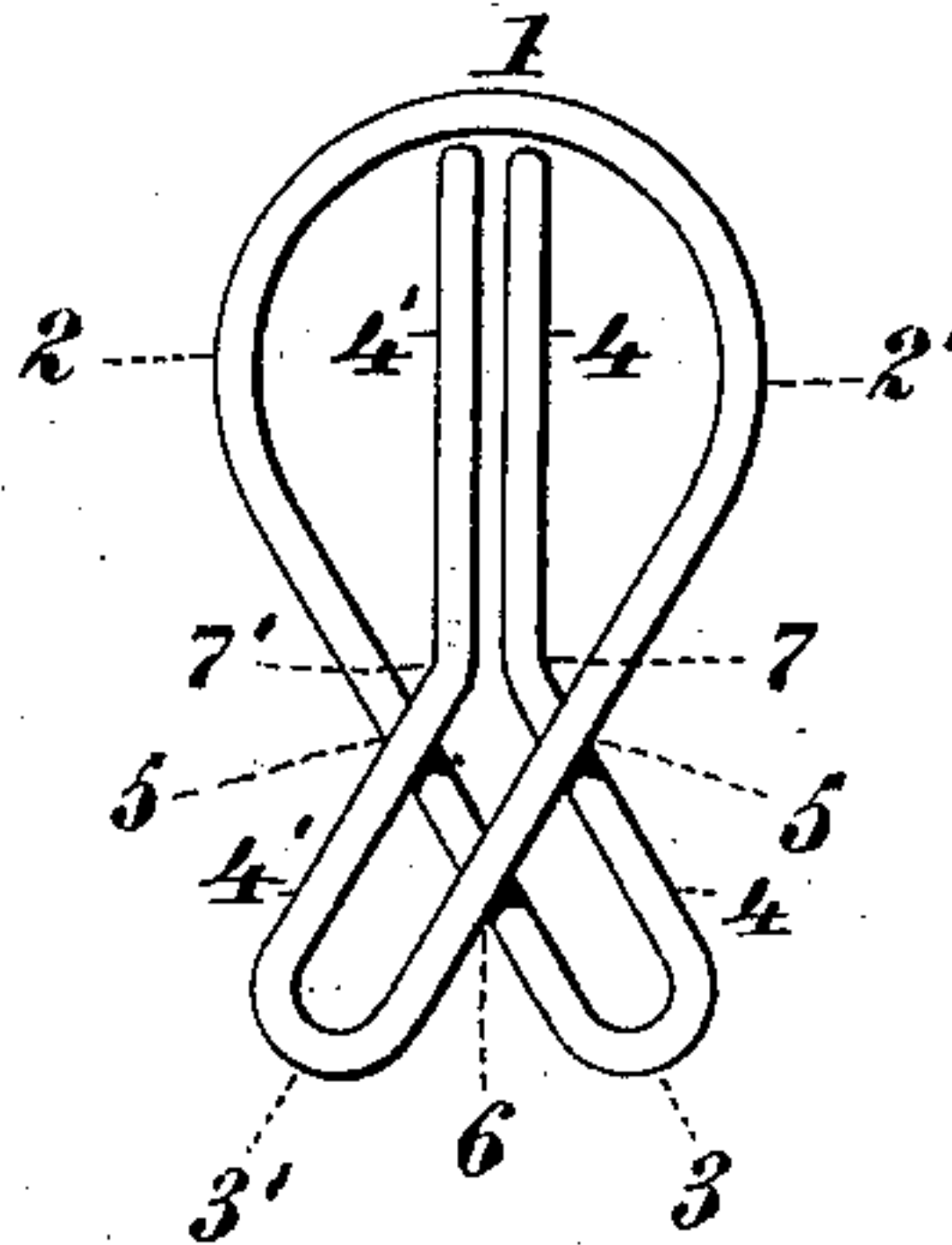


Fig. 3.



WITNESSES:

Gustave Dietrich.

Edwin H. Dietrich.

INVENTOR

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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. 753,614, dated March 1, 1904.

Application filed October 31, 1903. Serial No. 179,276. (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.

My invention has for its object to provide a novel, simple, and effective spring-clip made of a single piece of suitable spring-wire and which is susceptible of being rapidly and economically manufactured, which may be readily applied in securing together papers and similar articles, and which will be free from all tendency to abrade, deface, or tear the papers or other articles to which it may be applied.

In the accompanying drawings, making part of this specification, and in which similar reference characters indicate corresponding parts, Figure 1 represents a side view in perspective of the clip. Fig. 2 is a similar view showing the clip applied in holding together several sheets of paper or other material as intended; and Fig. 3 is a view similar to Fig. 1 excepting that the terminals of the wire composing it are shown set adjacent to each other in the plane of the clip instead of in a plane transversing the plane of the clip, as in the other figures of the drawings.

The clip is provided with a frame or body part resembling somewhat in its outline the letter X, in which the single round wire from which it is fashioned is folded in manner to provide it an arched top part or spanning saddle, with the wire continued from the ends of such saddle in two converging and depending arms which near their center are folded inward and upwardly adjacent to and parallel with their upper parts and in the same plane in manner to provide them two auxiliary members, the arms thus folded crossing each other diagonally below the center of the saddle in manner to provide between them a space in which to receive the edges of the articles being clipped and facilitate the after entrance of the latter between the adjacent bearing-surfaces of the wire providing the clip.

In the drawings, 1 represents the arched

top of the clip or what is designated herein its "spanning saddle;" 2 2', its depending arms; 3 3', the central folds or elbows of the latter, and 4 4' the auxiliary members of such arms.

In constructing the clip the wire providing it is folded near its center in manner to provide the arched top or spanning saddle 1 of the clip and its depending arms 2 2', the latter being folded upwardly from their elbows 3 3', in manner to provide the arms their auxiliary members 4 4', set adjacent to and parallel with such arms, and in the same plane therewith. The arms, with their auxiliary members, are now crossed diagonally below the saddle 1 at 5 5' in manner to bear against each other at such crossing and provide an angular space 6 between their elbow or looped parts in which to receive the edges of the articles being clipped, and the auxiliary members of the arms are continued up vertically and parallel with each from their bends 7 7' toward the saddle, the arching of the latter instead of being made horizontally straight having for its object to provide better results in the clamping features of the device by allowing the free end parts of the auxiliary members of the arms to be of maximum length and the opposite ends of the saddle to rest below and bear against the opposite surfaces of the clipped edges of the papers entered in the device. The clip thus constructed is applied in clamping and securing together papers and like articles by introducing the edges of the latter into the space 6 intermediate the folds or elbows 3 3' of the clip-arms and pressing the clip down upon the papers until its top or saddle 1 rests upon their edges, spanning and riding the same diagonally with the arms of the clip and their auxiliary members bearing against the opposite surfaces of such papers and clamping the latter between them, as is shown in Fig. 2, wherein A indicates the papers.

In Figs. 1 and 2 the clip is shown having the vertically-set parts of the auxiliary members 4 4' of its arms set in spring-bearing with each other in parallel planes on a vertical line bisecting transversely the upper area of its frame, while in Fig. 3 these parts are shown set in similar position, but adjacent to each

other in the plane of the frame. Either setting of these parts will accomplish the end desired, which is to have them bear against the opposite surfaces of the articles entered in the clip and clamp them therein.

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

A spring-clip composed of a single wire folded at its center in manner to provide the clip a top part or saddle having an arm depending from each end thereof, said arms converging below said top part in manner to cross each other some distance beneath its center, both of the arms below such crossing being folded upwardly in manner to provide them

two auxiliary members occupying lines adjacent to and parallel with that part of the arms depending below such crossing, and such auxiliary members above such crossing continued upward parallel with each other toward the top of the clip, and coacting with each other in clamping material entered in the clip between them.

Signed at Riverdale-on-Hudson, in the county of New York and State of New York, this 30th day of October, A. D. 1903.

GEORGE W. MCGILL.

Witnesses:

V. BIGELOW,

MARY L. H. MCGILL.