

GEORGE W. EMERSON.  
Improvement in Paper-Files.

No. 113,991.

Fig. 1.

Patented April 25, 1871.

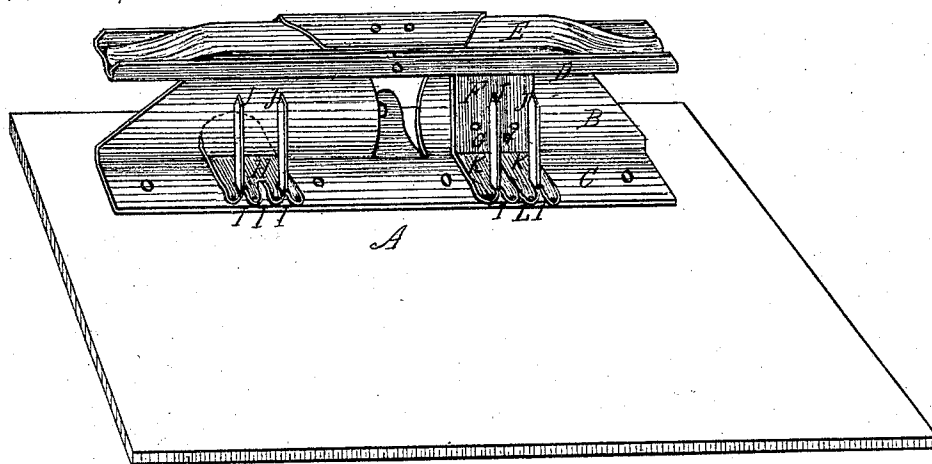


Fig. 2.

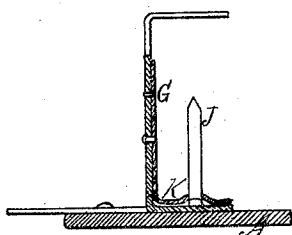


Fig. 4.



Fig. 3.

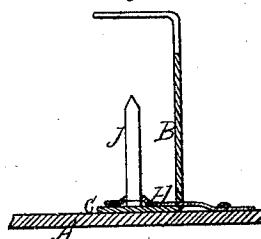
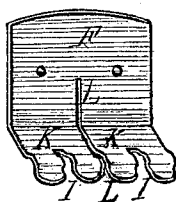


Fig. 5.



Witnesses

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GEORGE W. EMERSON, OF CHICAGO, ILLINOIS, ASSIGNOR TO JOHN R. BARRETT, OF SAME PLACE.

## IMPROVEMENT IN PAPER-FILES.

Specification forming part of Letters Patent No. **113,991**, dated April 25, 1871.

*To all whom this may concern:*

Be it known that I, GEORGE W. EMERSON, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Paper-Clips; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing and letters marked thereon, in which—

Figure 1 is a perspective representation of a paper-clip with my device arranged to hold the fasteners in place. Fig. 2 shows one form of my spring-support; Fig. 4, the ordinary fastener; Fig. 3, another form of the support; and Fig. 5 shows the support in perspective.

The nature of the present invention consists in attaching to the body of the clip slotted spring-supports, for holding the binders in position when paper is being put thereon, as hereinafter fully described.

A represents the pad, B C D the bar, and E the spring, of a clip now in use. No novelty, therefore, in their regard is claimed.

F represents a sheet-metal spring-support, which is bent at right angles to conform to the inside of the body B C of the clip, and fastened to it at G G by rivets or other suitable device; and its lower central part is provided with a slot, L L, so that when fasteners of different thicknesses are used each respective fastener may have the proper pressure upon it to hold it in position to pierce the paper.

The lower end of the support is provided with slots, I to receive the fasteners or binders

J; and the tips of the support are turned a little upward, for convenience of placing the binders in position, as shown in Figs. 1 and 2.

H, Figs. 1 and 3, represents what I consider an equivalent support, with the exception that the lower part is not slotted. It, however, holds the binders in place by means of spring-pressure. It is not bent at right angles, but passes through the body B of the clip and fastens, as shown in Fig. 3, to the pad A, back of the said body.

In manufacturing the supports I find that rolled brass answers the purpose well, and is cheaper than steel, as less labor is required in its use, the thickness shown in the drawing being about the kind of plate required.

In the drawing it will be seen that the spring E is designed to force the bar D down, and thus cause the binders J to pass through the paper being bound; but it is not necessary that this arrangement be always used with my spring-supports, inasmuch as any suitable bar would answer the same purpose as D.

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

One or more spring-supports, F K, slightly rounded, as described, attached to a paper-clip, and arranged to hold the binders J in position to pierce paper, as herein described and shown.

GEORGE W. EMERSON.

Witnesses:

G. L. CHAPIN,

D. HARRY HAMMER.