

PARSONS' COMBINED PAPER CLIP & LETTER BINDER

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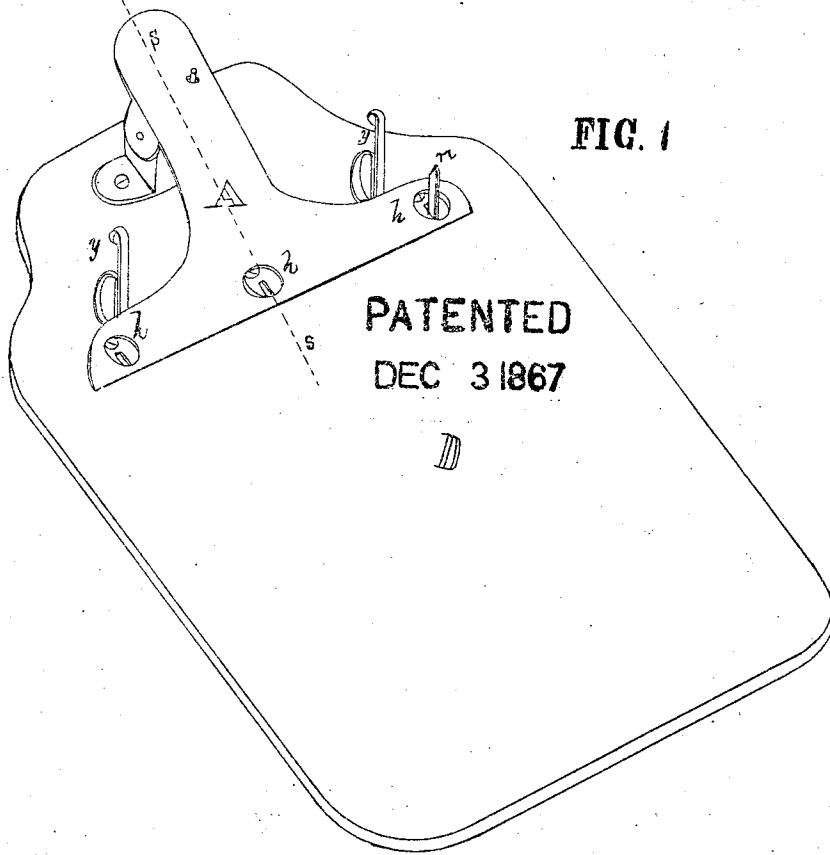


FIG. 1

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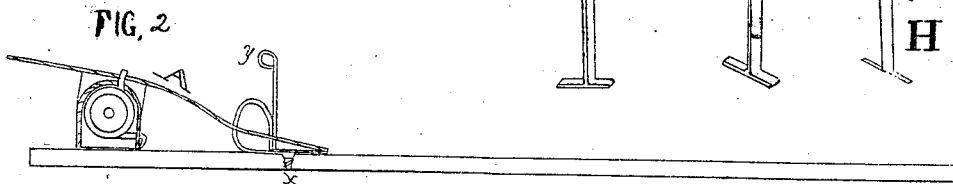


FIG. 2

FIG. 3



FIG. 4



FIG. 5

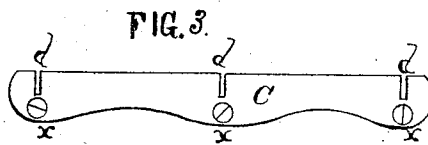


FIG. 6

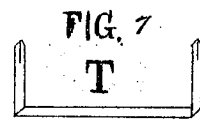


FIG. 7

WITNESSES

Mc. Mc. Brown.
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INVENTOR

John H. Parsons

United States Patent Office.

JOHN H. PARSONS, OF QUINCY, MICHIGAN.

Letters Patent No. 71,635, dated December 3, 1867.

IMPROVEMENT IN PAPER-CLIPS.

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, JOHN H. PARSONS, of Quincy, in the county of Branch, and State of Michigan, have invented a new and useful Combined Paper-Clip and Letter-Binder; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, forming part of this specification.

The nature of my invention consists in constructing a paper-clip, so that it may be used for binding letters or other papers, using metallic clasps hereinafter more fully described.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

The following is a description of the paper-clip, and my attachment to it for binding letters, combining the two in one, in which—

Figure 1 is a perspective or top view of my combined paper-clip and letter-binder.

Figure 2 is a side view partly in section through the line *s s* of fig. 1.

Figure 3 is a detached view of the plate C, which is partly shown through the holes *h h* in fig. 1.

Figures 4, 5, 6, and 7, are views of metallic clasps used for binding paper together.

Similar letters of reference indicate corresponding parts.

I construct the base or board of either wood, paper, or other suitable material, nearly in the shape represented by D, fig. 1, and sufficiently thick to retain its proper shape. The back end is made with a cross-stay, or thicker, where the clip is fastened to it. This clip A does not vary materially from many in common use, and is operated by simply opening and placing the paper under the front side, as in the common clip.

I will now describe my attachment to it for binding letters and other papers. The plate C is made of sheet metal, and thick enough to retain its proper shape, and is formed with the slots *d d d* on the front side, and riveted to the base D at X X X, each rivet passing through a thin washer between the plate and base, so as to leave a little space under the plate. On the front side of the clip A, I make the holes *h h h*, either round, oblong, or square, so that they will each come directly over a slot, *d d d*. The front edge of the clip A is bent over a little, that it may just shut over the plate C. I bind the letters or papers together with a metallic tip or clasp. The plate C is for the purpose of holding these clasps, and the holes in the clip A for the clasps to enter and press them through the papers. Several kinds of tips or clasps can be used with this plate C. One kind is represented by fig. 4. It is formed from a strip of brass thin enough to be easily bent with the fingers, and formed as shown, with a head and the two ends cut to one point. The clasp is slipped into one of the slots *d d d*, the head sliding under the plate, and, with the slot, keeps it firm and straight, as shown at *l l*, fig. 1. When the clip A is allowed to close, the end of the clasp passes through the hole *h*. Fig. 5 represents this clasp with the ends bent over after being filled with paper. I use two other kinds of clasps. One is shown at T, fig. 7, and is made of a narrow strip of sheet metal, with the ends pointed and bent at right angles, and is of sufficient length that the ends may fit into two of the slots *d d*, and the bottom slide under the plate C. The ends at the points are split for the purpose of bending the end of each point opposite ways, when the clasp is full of paper. I use another kind of clasp, represented by H, fig. 6. It is made from a strip of sheet metal, one end pointed, and both ends split far enough that the end may be bent both ways, the square end forming the head, as shown, and the pointed ends bent in the shape shown, after the clasp is filled with paper.

The operation is as follows: Open the clip A with the left hand, place a clasp in each of the slots *d d d*, and hold the sheet of paper over the points, and let the clip close suddenly by means of the spring. This presses the clasps through the paper, the ends of the clasps passing through the holes *h h h* in the clip A, thus pressing the paper down smooth and tight, and so with each sheet or more at one time, until the clasps are nearly full; then bend the ends over, as heretofore shown. The package may be detached from the base by gently pulling it from the plate C. In the same manner the clasps T may be used, one or more clasps at the same time. The plate C is made with one, two, three, or more slots, and a corresponding number of holes in the clip A. The clasp H is used in the same manner as the one represented by figs. 4 and 5. In order that the edge of the sheets pressed over the clasps may be square, I provide two guides, formed substantially as shown at *y*, in fig. 2, made of sheet metal, bent in such a shape that the back serves as a handle, the upright as the guide, and the

front end to attach it to the plate C, by sliding tightly under it in back side, shown at *y y*, fig. 1. By putting the edge of the paper against these guides, when laid on the points of clasps, it makes the edge square and uniform. They may be used or not.

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

1. The plate C, provided with the slots *d d*, constructed as described, in combination with the clip A, having the holes *h h*, all arranged substantially as described, and for the purpose set forth.

2. The combination of the clasps T or H, plate C, clip A, and guides *y y*, substantially as shown and described.

JOHN H. PARSONS.

Witnesses:

M. M. BROWN,

T. C. BARJAROU.