

G. W. MCGILL.
Paper-Fastener.

No. 162,182.

Patented April 20, 1875.

Fig. 1.

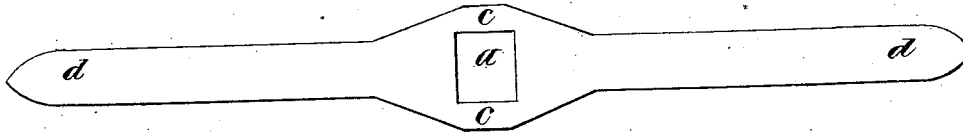


Fig. 2.

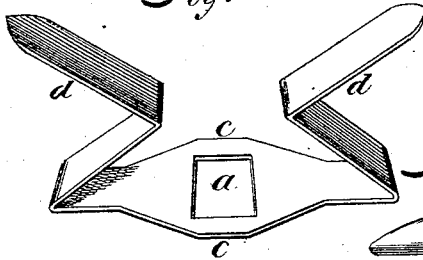


Fig. 3.

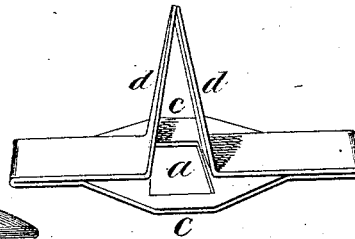


Fig. 4.

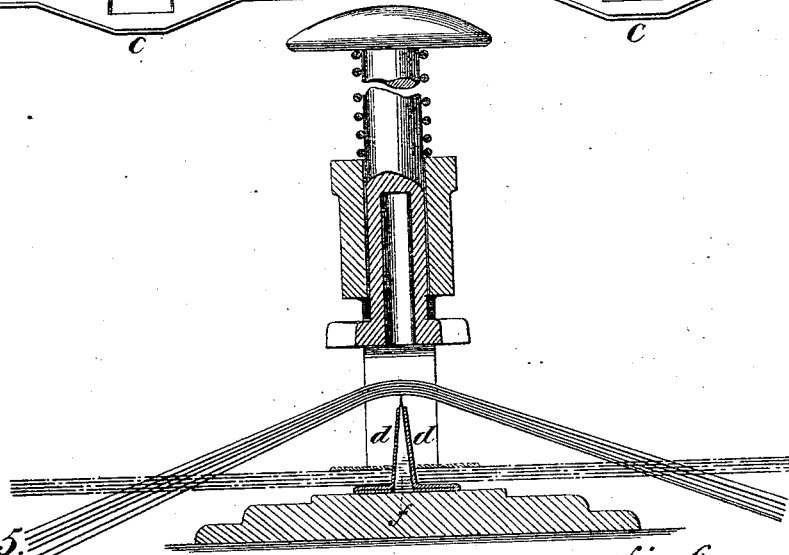


Fig. 5.

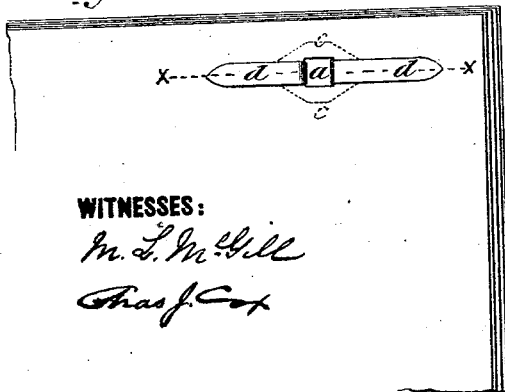
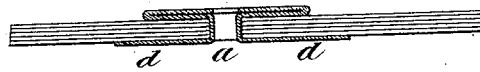


Fig. 6.



WITNESSES:

M. S. McGill
Chas. C. Cox

INVENTOR:

George W. McGill

No 57

UNITED STATES PATENT OFFICE.

GEORGE W. MCGILL, OF NEW YORK, N. Y.

IMPROVEMENT IN PAPER-FASTENERS.

Specification forming part of Letters Patent No. 162,182, dated April 20, 1875; application filed October 8, 1874.

To all whom it may concern:

Be it known that I, GEORGE W. MCGILL, of the city and county of New York, in the State of New York, have invented a new and useful Improvement in Fasteners; and I do hereby declare the following to be a full and exact description thereof, reference being had to the accompanying drawing making part of this specification, and to the figures and letters of reference marked thereon.

My present invention consists in a useful modification of the metallic fastener upon which United States Letters Patent No. 56,587, were issued to me July 24, 1866. Fig. 2, in the drawing of that patent, shows a fastener made of a single strip of metal bent into a T shape, the legs or shanks of the fastener being in close contact for their entire length, and the center of the head of the fastener enlarged, and having a hole in said enlargement. The fastener herein shown is also made of a single strip of metal bent into a T shape; but the legs or shanks of this fastener meet only at their point, and diverge therefrom toward their base, so as to bridge a hole pierced through the T-head.

The object of my improvement is to admit of the fastener being placed over the punching-pin of the paper-fastener press patented to me August 13, 1867, and numbered 67,665, and being forced up through the papers to be attached, by the action of the plunger of the said press, as I will hereafter more fully describe, so as to facilitate the mode of inserting the fasteners in the papers to be attached by them, and admit of the papers so attached being ribboned and sealed by running ribbon through the head of the fastener, and the hole made in the papers by the pin of the press.

Figure 1 represents the metallic blank of the fastener before it is bent into shape. *a* is its center hole, *c* is its head, and *d d* are its shanks. Fig. 2 represents the divisions of the fastener. Fig. 3 represents the fastener perfected. Fig. 4 represents the fastener on the punching-pin *f* of the press, and in position to have its shanks forced up through the papers to be attached. Fig. 5 represents the position of the shanks of the fastener when attaching papers. The dotted lines represent the position of the head of the fastener on the

other side of the paper. Fig. 6 is a sectional view of Fig. 5 taken on the line *x x*. Fig. 4 represents the plunger of the press partially in section, so as to expose the central longitudinal chamber, into which the punching-pin *f* of the press and the shanks of the fastener enter, when the plunger is forced down over the same.

The blank, Fig. 1, being bent into the shape shown in Fig. 3, is placed over the wedge-shaped punching-pin *f* of the press, as shown in Fig. 4, and the papers or other articles to be attached are placed over the top of the same, when the pin *f* and shanks *d d* are forced up through the papers and into the longitudinal chamber in the plunger of the press, by forcing the same down over them. The plunger is then raised, and the shanks *d d* are bent down from the pin *f* over the papers, and the plunger again lowered, which forces the shanks *d d* down snugly on the papers and binds them. The plunger is then again raised, and the papers so bound are lifted off the pin. Ribbon can now be run through the papers by passing it through the hole *a* in the head of the fastener, and the papers sealed, if necessary.

I lay no claim to so arranging the shanks of the fastener that they will make but one hole in the papers it is designed to connect; nor do I claim fastening the papers by turning the shanks of the fastener down from each other after passing through the papers, and confining said papers between said ends and the head of the fastener, for all these points are shown and claimed in the United States Letters Patent No. 56,587, issued to me on paper-fasteners, July 24, 1866; but

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

The fastener herein shown, made of a single strip of metal bent into a T shape, with its shanks *d d* at obtuse angles from its head, so that they will bridge the center hole *a* and meet above it at their points, in the manner and for the purposes herein set forth and described.

GEORGE W. MCGILL.

Witnesses:

M. L. MCGILL,
JOHN W. MCGILL.