

G. W. McGILL.
Metallic Fastener.

No. 162,184.

Patented April 20, 1875.

Fig. 1.

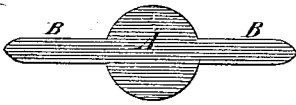


Fig. 2.

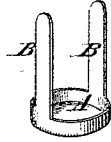


Fig. 3.

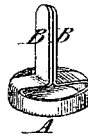


Fig. 4.

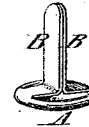


Fig. 5.



Fig. 6.

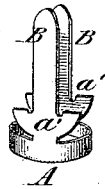


Fig. 7.

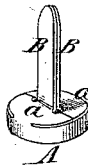


Fig. 8.

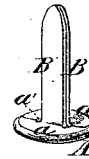


Fig. 9.

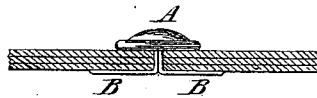


Fig. 10.

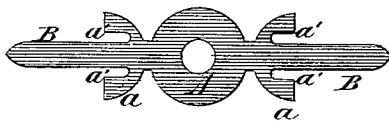


Fig. 11.

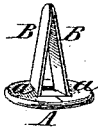


Fig. 12.

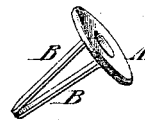
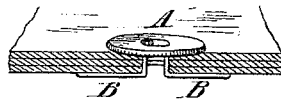


Fig. 13.



WITNESSES:

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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN METALLIC FASTENERS.

Specification forming part of Letters Patent No. 162,184, dated April 20, 1875; application filed March 4, 1875.

To all whom it may concern:

Be it known that I, GEORGE W. MCGILL, of the city, county, and State of New York, have invented a new and useful Improvement in Metallic 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 invention relates to that class of metallic fastenings known to the trade as MCGILL'S Paper Fasteners, wherein the fastener being in a T-shape, its shanks make only a single hole in the papers or other articles which it is designed to connect, the two shanks opening from each other after passing through the papers, and confining said papers between said shanks and the head of the fastener. The invention which I now seek to patent consists of a T-shaped fastener with a round button-cap-shaped head, made complete from a single piece of sheet metal.

The manner in which I construct my fastener is as follows: I cut from a sheet of suitable metal a blank of the shape shown in Figure 1, consisting of an enlarged center, A, and arms B B. By means of a suitably-constructed machine I first give the blank the form shown in Fig. 2, then that shown in Fig. 3, wherein the arms B B are brought in close contact, and then that shown in Fig. 4, wherein the center A of the blank is given the form of a button-cap. The fastener is now completed, the center A forming its button-shaped head, and the arms B B its shanks. To give the fastener a head of double thickness of metal, and to secure the shanks B B in permanent close contact at their base, I cut the blank with the extensions *a a*, as shown in Fig. 5, and these extensions I slot, as at *a' a'*, for purposes which I will hereafter describe.

The blank so shaped is then swaged up, as before described, in the form shown in Fig. 6, then to that shown Fig. 7, in which the shanks

B B are brought in close contact, and the extensions *a a* form a disk in the cap of the fastener. The head of the fastener is then button-capped, which operation throws the disk formed by the extensions *a a* into the head of the fastener, and locks it therein, as shown in Fig. 8, thereby giving the head a double thickness of metal, and binding the shanks of the fastener securely at their base. The slots *a' a'* in the extensions *a a* are to admit of the shanks B B being turned up so as to let the edges of the extensions *a a* come in close contact. The head of the fastener, when thus made, is very strong and rigid, and will sustain a severe blow from a hammer or other implement without being defaced.

The shanks of the fastener, so formed, are run through the papers or other articles to be connected, and are separated on the other side of the same, and thus confine said articles between the said shanks and the head of the fastener, as shown in Fig. 9.

To give the fastener the additional property of an ordinary eyelet, and to enable it to be inserted in articles by being placed on an awl, or other similar puncturing device, I extend the slots *a' a'* farther into the extensions *a a* of the blank, and cut a hole in its center A, as shown in Fig. 10. The blank, so shaped, is then swaged up into form and capped, as before described, with its shanks B B brought together in the manner shown in Figs. 11 and 12, and the fastener so made is entered and secured in the articles it is to connect, in the manner shown in Fig. 13.

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

A metallic fastener, having a button-head with folded or struck-up edge, and constructed in other respects substantially as herein set forth and described, for the purposes specified.

GEORGE W. MCGILL.

Witnesses:

FRANK S. WINCHESTER,
M. L. MCGILL.