G. W. McGILL.

Metallic Paper-Fastener.

No. 162,183. Patented April 20, 1875.

Fig. 1.

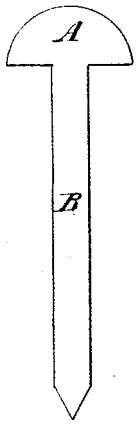

Fig. 2.

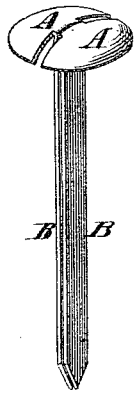

Fig. 3.

Fig. 4.

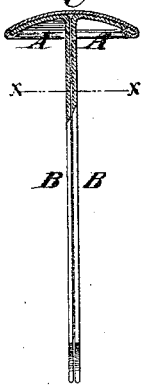

Fig. 5.

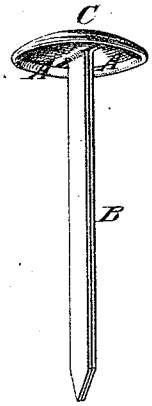

Fig. 6.

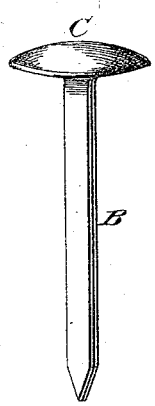

Fig. 7.

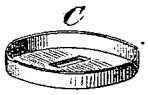

Fig. 8.

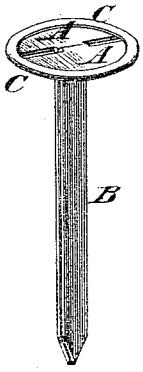

Fig. 9.

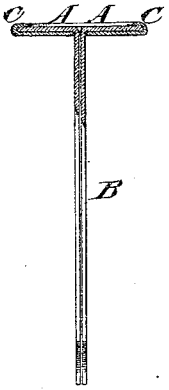

Fig. 10.

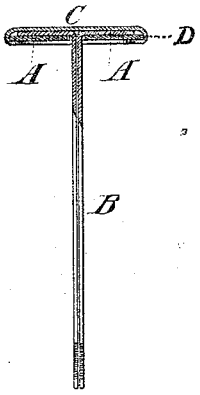

Fig. 11.

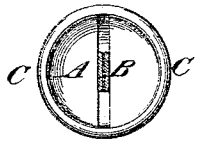

Fig. 12.

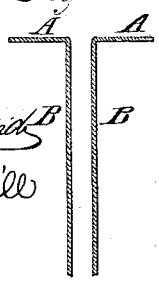

Fig. 13.

WITNESSES:

Gustave Dittmick

P. M. McGill

INVENTOR:

George W. McGill

THE GRAPHIC CO. PHOTO-LITH. 39 & 41 PARK PLACE, N.Y.

UNITED STATES PATENT OFFICE.

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

IMPROVEMENT IN METALLIC PAPER-FASTENERS.

Specification forming part of Letters Patent No. **162,183**, dated April 20, 1875; application filed September 12, 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 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 a 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 shanks of the fasteners are flat, and in close contact with each other, and make only a single hole in the papers 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 manner in which I construct the fastener which I now seek to patent is as follows: I cut two blanks of suitable sheet metal of the form shown in Fig. 1. The part marked *a* of these blanks, and forming their head, is struck concave. The blanks are placed together, with their heads *a* bent down at right angles from their shanks *b*, so as to form the concave disk shown in Fig. 2. The concave metal cap *c* shown in Fig. 3 is then placed over the concave disk so formed, and secured therein, as shown in Figs. 4, 5, and 6, which completes the device. The blanks *a b a b* are thus secured together and held in position by the cap *c*, and the concave form of the cap and of the disk formed by the heads *a a* of the blanks adds great additional strength to the connection.

It is not absolutely necessary that the cap *c* and the disks formed by the heads *a a* should be made concave; but I prefer that mode of construction as making a stronger fastener.

The same fastener can be made by running the shanks *b* down through a cap or shell pierced as shown in Fig. 7, and turning the shell in on the heads *a a* from above, as shown in Figs. 8, 9, and 11; or in the introduction of a washer, and turning the cap in under the same, as shown in Fig. 10.

The shanks of the fasteners 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. 13.

Having thus fully described the nature, construction, and operation of my invention, what I claim as new, and desire to secure by Letters Patent, is—

The within-described metallic fastener, formed of the two blanks *a b a b* and the cap or shell *c*, bent and connected together as herein shown and described, the ends of the shanks *b b* of the blanks being in close parallel contact, and pointed so as to make only a single hole in the articles it is designed to connect, substantially as described.

GEORGE W. McGILL.

Witnesses:

P. M. McGILL,

JOHN W. McGILL.