(No Model.)

G. W. McGILL.

RING STAPLE FOR SUSPENDING PAPERS, &c.

No. 253,876. Patented Feb. 21, 1882.

Fig. 1.

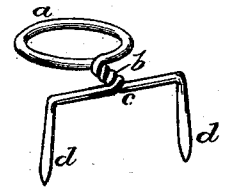


Fig. 2.

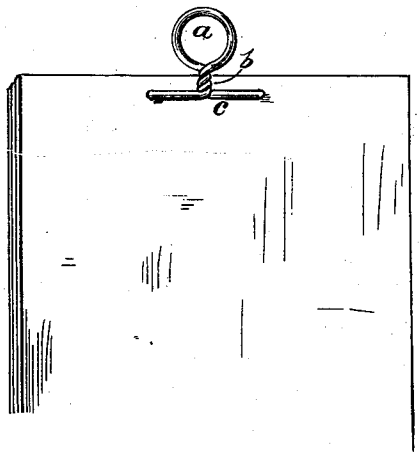
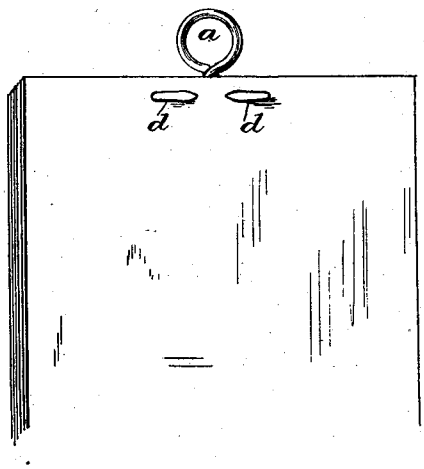


Fig. 3.



Witnesses.
Robt Everett
Vinton Coombs

Inventor.
George W. McGill.

By J. J. Coombs, Atty.

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

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

RING-STAPLE FOR SUSPENDING PAPERS, &c.

SPECIFICATION forming part of Letters Patent No. 253,876, dated February 21, 1882.

Application filed December 15, 1881. (No model.) Patented in England February 25, 1879, in Germany March 15, 1879, in France September 12, 1879, in Belgium January 26, 1880, and in Austria-Hungary May 5, 1880.

To all whom it may concern:

Be it known that I, GEORGE W. McGILL, a citizen of the United States, residing at the city of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Ring-Staples for Suspending Papers, Cards, &c.; and I do hereby declare the following to be a full, clear and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to a new and useful improvement in ring-staples for fastening together and suspending several sheets of paper or other similar fabrics, and for suspending single-sheet cards.

The invention consists in making the staple and its suspending-ring of a single piece of small flexible wire, and bending and twisting the same, as shown in the drawings, in which—

Figure 1 is a perspective view of a staple made in pursuance of my invention. Fig. 2 represents a file of papers with my suspending-staple attached, and Fig. 3 shows the reverse side of the same.

To form my ring-staple a piece of suitable wire of proper length is bent so as to form a ring, *a*, in its central portion. The two ends are then twisted together so as to form the neck *b*. They are then bent apart at right angles to said neck to form the head *c*, and then bent again at right angles to form the legs of the staple, *d d*. This staple is peculiarly adapted for use in my machine for inserting and clinching staples, patented to me February 18, 1879, No. 212,316, in the drawings of which patent (Fig. 18) it is clearly represented, though not claimed in said patent, nor has it ever been introduced into public or practical use by this applicant, nor by any other person, to the best of his knowledge and belief, until quite recently, and within much less than two years from this time.

When intended for use in my said patented machine the legs of the staple should slightly diverge from each other, so that said legs will have a slight elastic pressure, when inserted in the machine, against the outer sides or bottoms of the guiding-grooves, to prevent the staples from falling out before the lever is turned down upon the article to be stapled. After the legs of the staple have been driven through the papers, card, or other fabric they are bent inward toward each other and clinched down. By means of my said machine the legs are driven through and clinched down by a single blow upon the head of the plunger.

When used to bind a number of sheets of paper or other fabrics together my staple serves both as a fastener and a suspending device.

What I claim as my invention is—

The improved ring-staple for holding and suspending papers, &c., consisting of the suspending-ring, the penetrating-legs, and the intermediate twisted shank, all from a single piece of wire, as set forth and shown.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE W. McGILL.

Witnesses:

VINTON COOMBS,

JOHN W. McGILL.