Somers & Atwood.

Button.

No. 72929 Patented Dec. 31, 1867.

Fig. 1

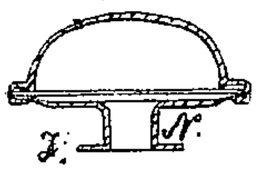


Fig. 3

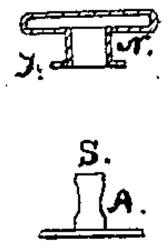


Fig. 2.

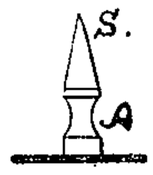


Fig. 4

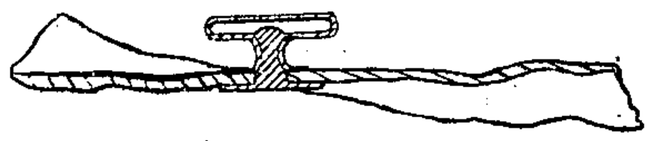
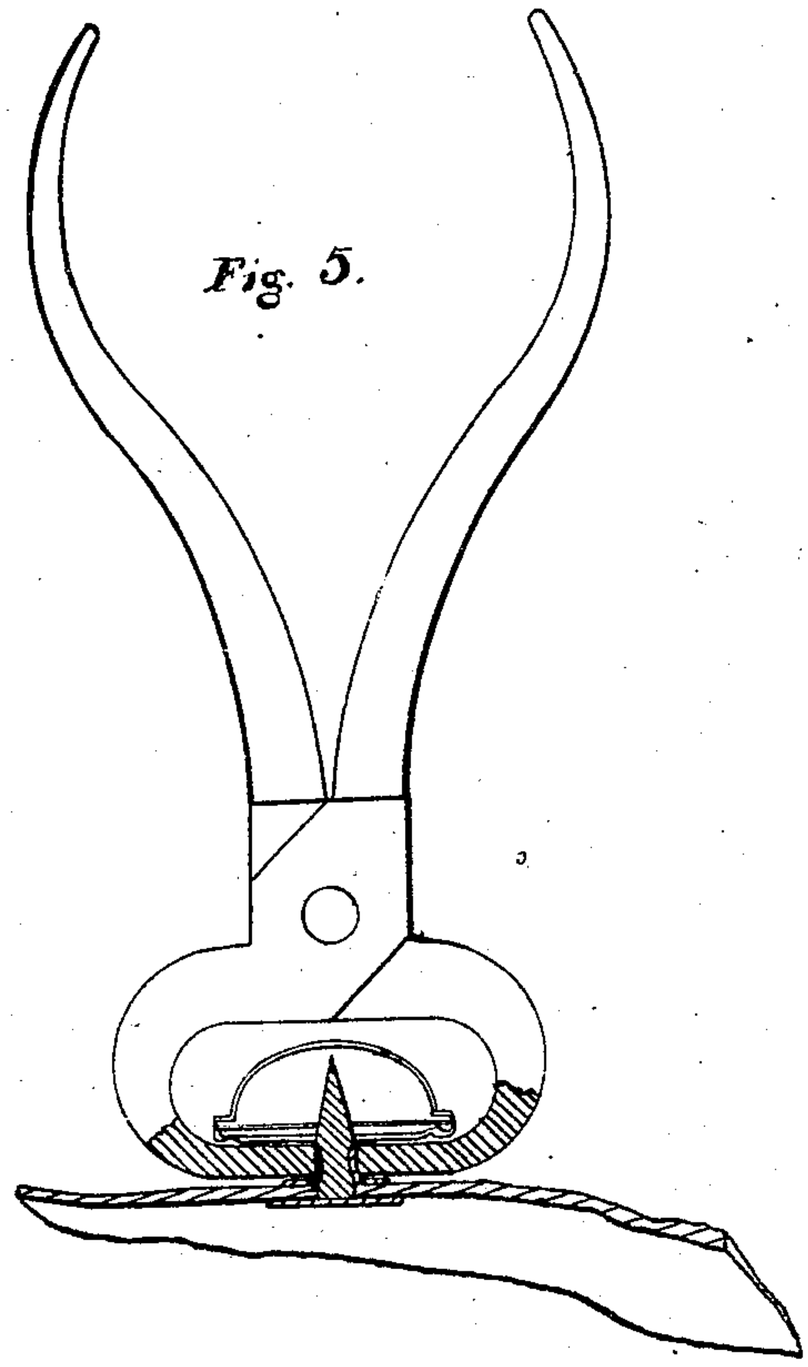


Fig. 5.



Witnesses.

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D. M. SOMERS, OF BROOKLYN, NEW YORK, AND WALTER S. ATWOOD, OF NEWARK, NEW JERSEY.

Letters Patent No. 72,929, *dated December* 31, 1867.

IMPROVEMENT IN BUTTONS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that we, D. M. SOMERS, of the city of Brooklyn, county of Kings, and State of New York, and WALTER S. ATWOOD, of the city of Newark, county of Essex, and State of New Jersey, have invented a new and improved Mode of Fastening Buttons to Materials; and we 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.

The nature of our invention consists in providing a button with a hollow cylindrical neck, terminating with a flange. A central stem, with a disk at one end, is passed through the material to be used into the hollow neck, clamping the material between the disk and said flange. The central stem is made smaller at that portion which lies within the neck, which neck is compressed with a suitable instrument to fit the stem, thereby firmly attaching the button to the material.

To enable others skilled in the art to make and use our invention, we will proceed to describe its construction and mode of attaching.

We construct a button (as shown by fig. 1 in the accompanying drawing) of suitable material, and the styles and kinds that are in use, with a back that has its centre extended into a hollow cylindrical neck, (marked N,) the lower end of which is expanded into a flange, (marked F.) We also construct a second piece, or central stem, with disk at one end, (as shown in fig. 2, or S in fig. 3.) The portion of the stem which lies within the neck N is reduced in diameter, as shown at A in fig. 2, or is reduced from opposite sides, as shown at A in fig. 3. This stem may be pointed to pierce the cloth, when allowable by the concavity in the pattern of the button.

To attach this button to the material required, we pass the central stem through the material into the neck of the button, and, by means of a suitable instrument, as shown in fig. 5, the neck is compressed to fit the reduced portion of the stem, as shown in figs. 4 and 5, thus attaching the button to the stem and firmly clasping the cloth.

Among the advantages we claim for this fastening, are its general adaptability to the buttons in use, the great rapidity with which it may be attached, and its permanent and erect position upon the goods, when attached.

What we claim as our invention, and desire to secure by Letters Patent, is—

Providing buttons with a hollow neck, N, to be compressed to fit the diminished form of central stem S, as shown in figs. 2 and 3, at A, substantially as herein specified and described for the purposes set forth.

D. M. SOMERS,
W. S. ATWOOD.

Witnesses:

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