E. S. Wheeler

Buttons.

No. 45781. Patented Jan. 3. 1865.

Fig. 1.

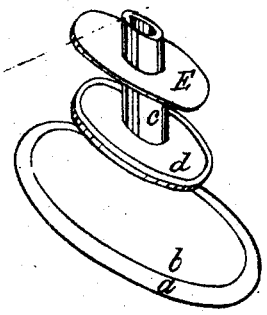


Fig. 2.

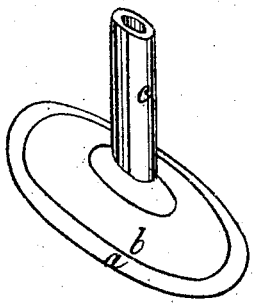


Fig. 3.

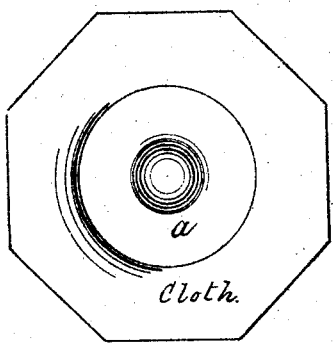
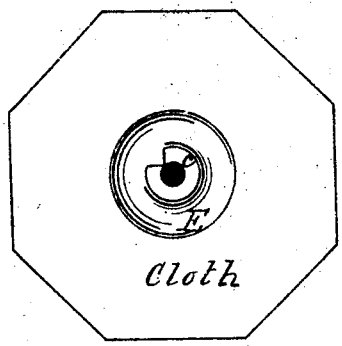


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

ELONZO S. WHEELER, OF WESTPORT, CONNECTICUT.

IMPROVEMENT IN BUTTONS.

Specification forming part of Letters Patent No. **45,781**, dated January 3, 1865.

To all whom it may concern:

Be it known that I, ELONZO S. WHEELER, of the town of Westport, in the county of Fairfield and State of Connecticut, have invented a new and useful Improvement in Buttons; and I 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 my invention consists in so constructing a button that the same may be attached to the garment or other article for which it is intended without the use of thread, but by means of a rivet or shank and two washers.

Figure 1 represents the button complete ready to be attached to the cloth or other material. Fig. 2 represents the button and the shank or rivet attached, with the washers removed. Fig. 3 represents the front of the button after it has been secured to a piece of cloth. Fig. 4 represents the back part of the washer and shank after the button has been secured to a piece of cloth.

The button shown in the drawings is composed of five parts, the front *a*, the back *b*, the shank or rivet *c*, and the two washers *d* and *e*. The shank or rivet *c* is made hollow, and is secured to the back *b* by having its end turned over in form of a flange on the inside of said back *b*. This rivet or shank can, if desired, be made to pass entirely through the button, and have its flange turned upon the front of said button; or the rivet can be made solid and secured to either the back or front of the button. The front and back of the button are fastened together in the usual manner. The hollow or solid rivet or shank *c* can also be applied to a solid metal button, if desired.

After the shank or rivet is secured to the button the metal washer *d* is placed upon the rivet *c* in such manner that its outer edge will press against the cloth. A hole is then pierced through the cloth or other material to which the button is to be secured large enough to allow the rivet or shank to pass through it. After the rivet or shank *c* is inserted in the cloth the second washer *e* is then placed on the rivet or shank *c*, so that its outer edge shall also press against the cloth upon the side opposite washer *d*. The end of the shank or rivet *c* is then pressed down in such a manner as to form a flange on the outside of washer *e*, and at the same time to press the two washers *d* and *e* so tightly together as to hold the cloth or other material securely between them. While the two washers thus hold the button securely to the cloth, it will be observed that the use of the inside washer, *d*, tends to increase the open space between the back of the button and the cloth.

I am aware that buttons have been attached to cloth by means of a solid rivet with a flat head, which rivet passes through the cloth and the button. Buttons have also been attached to cloth by means of headed screws, which pass through the cloth and screw into the button. Buttons thus attached are liable to work loose, and are drawn so close to the cloth as to leave too little space between the cloth and the back of the button. By my improvement these objections are removed, while the button is secured to its place neatly and permanently.

I am aware that buttons have been secured to cloth by means of a hollow shank or tube and a single washer, so that the cloth would be grasped between the back of the button and said washer, as is shown in the application for a patent of Willard F. Olives, rejected by the Patent Office November 3, 1859. This I do not claim; but

I claim—

The combination of the two washers or disks with the hollow shank and the button, substantially as and for the purposes described.

ELONZO S. WHEELER.

Witnesses:

E. R. WRIGHT,

R. H. WHEELER.