

(No Model.)

W. STEED.
BUTTON.

No. 262,493.

Patented Aug. 8, 1882.

Fig. 1.

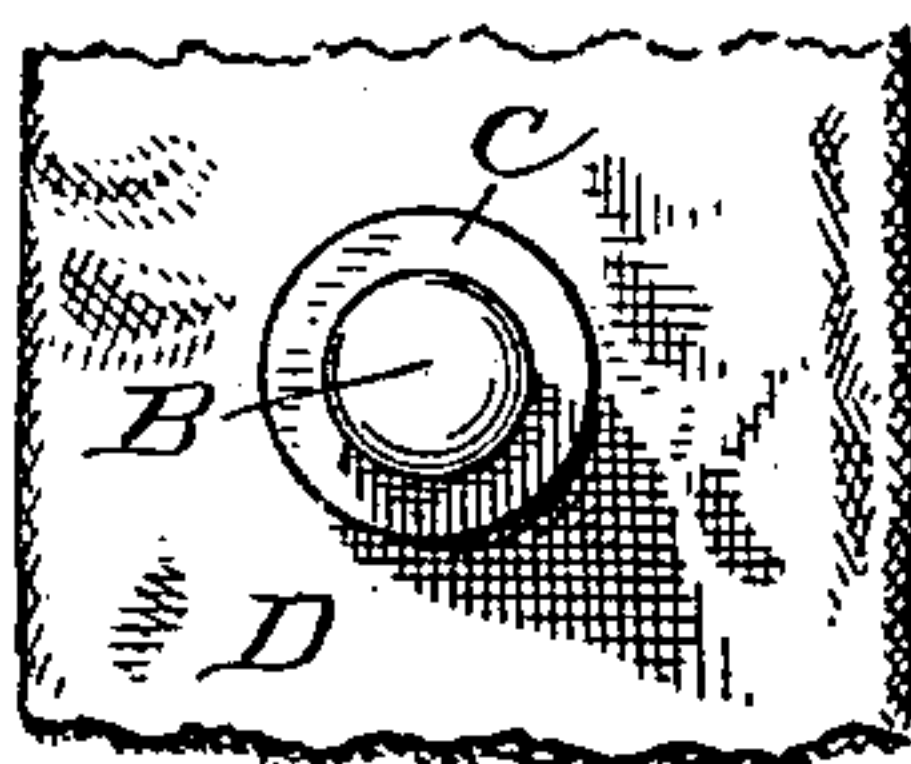
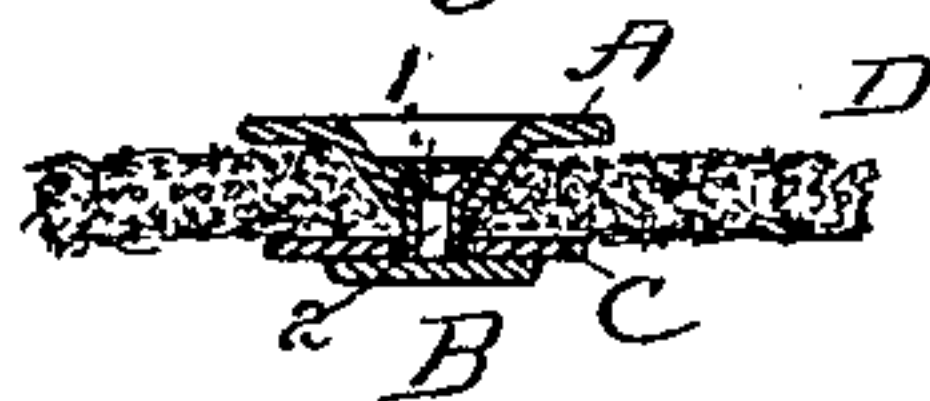


Fig. 2.



Attest:

Walter H. Mason
W. H. Mason

Inventor
William Stead.
by
Ellis Spear
Atty.

UNITED STATES PATENT OFFICE.

WILLIAM STEED, OF VIRDEN, ILLINOIS.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 262,493, dated August 8, 1882.

Application filed May 3, 1882. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM STEED, of Virden, in the county of Macoupin and State of Illinois, have invented a new and useful Improvement in Buttons; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention relates to an improvement in buttons of the class known as "riveted" buttons, in which a face-plate or head having a central perforation is secured to a metallic shoe having a shank, the shank being passed through the perforation in the head, and by a suitable punch or die spread so as to be of greater area than the said opening, and thereby to make a firm connection, the shank being first passed through the fabric and afterward connected to the head. In the use of these buttons where subjected to great strain, as when placed on trousers to serve as attachments for braces or suspenders, it has been found that the shoe or rivet head is liable to pull through the cloth, since the shoe is fixed rigidly to the shank, which receives a lateral or twisting strain. By this strain the edge of the shoe is forced into the cloth, which soon commences to give way, until finally the shoe pulls completely through the cloth, usually making a large rent or hole therein.

The object of my invention is to prevent the shoe of a riveted button from being pulled through the cloth by any strain which can be brought upon it; and the invention consists in interposing between such shoe and the fabric a loose metallic washer of greater diameter than the shoe, which prevents the edge of the latter from coming in contact with the cloth, the washer itself always presenting a broad plane surface to the said cloth.

In the accompanying drawings, Figure 1 is a rear elevation; Fig. 2, a vertical central section.

A represents the metallic face or head of a button, having a sunken central portion, provided with an orifice, 1.

B represents a shoe or rivet head rigidly secured to or forming a part of the shank 2, such shank being of sufficient diameter to enter the perforation in the head A.

D represents the cloth or fabric through which the shank is inserted before it is connected to the head by a punch. C is a metallic washer, preferably of thin brass, which has

a central opening of slightly larger diameter than the shank 2, so as to permit a slight independent movement on said shank. The washer is also of greater diameter than the rivet-head B, as shown. The washer is placed upon the shank before the latter is inserted through the garment, and it is evident that any lateral strain upon the shank which would have a tendency ordinarily to force the edge of the shoe B against the cloth will only result in giving a slight movement on the shank to the loose washer, causing the latter to receive all the strain of that kind, while at the same time it presents a plane surface to the fabric.

In this manner the durability of garments furnished with riveted buttons is greatly increased without materially adding to the expense of manufacture, and it is evident that when the washer is used the shoe or rivet head may be made much smaller.

I am aware that English Patent No. 3,287 of 1862 shows a button provided with a stem, such having upon it an integral disk, and that the cloth is rigidly clamped between such disk, and a similar disk placed on the stem or shank, the clamping being done by upsetting the end of the shank with a suitable tool, by which the said disks are crowded together and a firm and rigid fastening secured; but the purpose of this invention is widely different from mine, since I employ a loose washer by which a slight independent movement of the shoe is permitted without affecting such washer. I therefore disclaim the said invention.

What I do claim is—

As an improved article of manufacture, a button composed of the perforated head A, shoe B, and a shank, 2, adapted to be secured to the head A by upsetting, substantially as described, and a washer, C, fitting loosely upon the said shank between the shoe and the fabric, and being of greater diameter than the said shoe, substantially as and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM STEED.

Witnesses:

F. H. MARTIN,
ALBERT CHAFFIN.