C. S. COMSTOCK, Sr.

BUTTON FASTENER.

APPLICATION FILED JULY 18, 1910.

1,024,118. Patented Apr. 23, 1912.

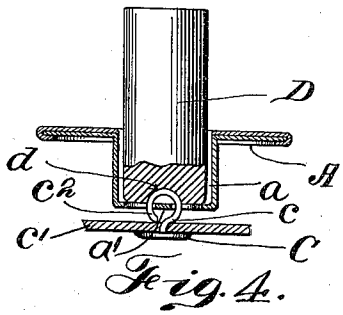

Fig. 4.

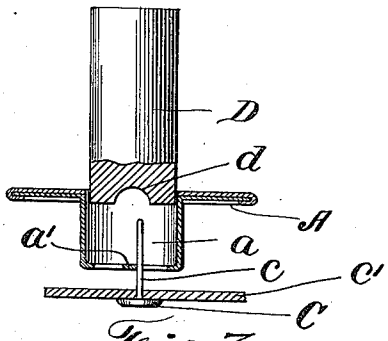

Fig. 3.

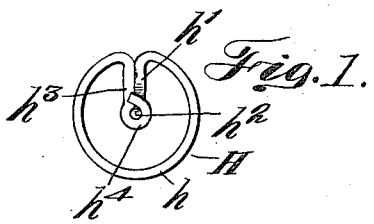

Fig. 1.

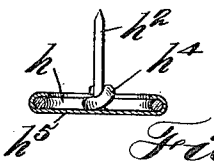

Fig. 2.

Witnesses:
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UNITED STATES PATENT OFFICE.

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BUTTON-FASTENER.

1,024,118. Specification of Letters Patent. Patented Apr. 23, 1912.

Application filed July 18, 1910. Serial No. 572,650.

To all whom it may concern:

Be it known that I, CLARK S. COMSTOCK, Sr., a citizen of the United States, residing at East Orange, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Button-Fasteners, of which the following is a specification.

My invention relates to button fasteners, and particularly to that class which are adapted to permanently attach a button to the fabric in connection with which the same are used.

The preferred embodiment of my invention is illustrated in the accompanying drawings, wherein—

Figure 1 illustrates my improved form of fastening device. Fig. 2 is a sectional elevation of the device illustrated in Fig. 1. Fig. 3 illustrates one manner of securing the fastening device to the button. Fig. 4 illustrates the completion of the operation begun in Fig. 1.

My improved button fastener H is formed of a single piece of wire bent to form a coil h shown as having a single turn which is substantially circular, and one end of which is bent inward at h^1 and then upward in a plane substantially perpendicular to that of the coil h forming the neck h^2 which terminates preferably in a tapered point. The opposite end of the wire is then bent inward as at h^3 parallel with the bent portion h^1, and is then bent around the neck h^2 forming an eye h^4 which encircles the said neck and forms a secure structure. If desired, the shank of the button fastener illustrated in Figs. 1 and 2, by which I mean the lower part thereof formed by the coil h, may be incased in a suitable cap, one of which I have illustrated in place in Fig. 2 and have designated h^5.

The parallel arrangement of the parts h^1, h^3 coupled with the coiling of the end of h^3 around the neck h^2 at h^4 tends to strengthen and brace the said neck and to hold the same in position, and the said button fastener is extremely economical in manufacture, is simple and strong in construction and has no projecting ends of metal to tear the clothes or hands.

In applying my invention I may employ buttons such as are now in use and which are designated in the drawings by letter A. The button A is usually formed of a single piece of sheet metal stamped to shape, having a central cup or depression a across the bottom of which is an integral bar a^1. The fastening device H in connection with which this button is illustrated in Figs. 1 and 2, has a neck h^2. The neck is inserted through the fabric c^1 to which the button A is to be attached, and a die D having a central concave die surface d, is brought down within the cup a and encounters the head of the neck c^1 and bends the same into the form of the eye c^2, as shown in Fig. 2.

All the parts in the drawing are illustrated somewhat exaggerated in size for the purpose of clearness of illustration.

The eye c^2 will preferably form a snug fit about the bar a^1, thereby securely and rigidly holding the button in place.

What I claim is:—

1. A button attaching member formed of a single piece of wire bent to substantially circular shape to form the head, and both ends of said wire being then bent inwardly toward the center of the head in substantially parallel lines and lying closely adjacent whereby said wires brace and support one another, one of said ends being then bent outwardly at substantially a right angle to the plane of the head to form the neck and the other end being then bent snugly around said neck, whereby said neck wire is reinforced and strengthened by said parallel wire and said encircling loop and is held firmly in place.

2. A button attaching member formed of a single piece of wire bent to substantially circular shape to form the head, and both ends of said wire being then bent inwardly toward the center of the head in substantially parallel lines and lying closely adjacent whereby said wires brace and support one another, one of said ends being then bent outwardly at substantially a right an-

gle to the plane of the head to form the neck and the other end being then bent snugly around said neck forming a loop which begins on the side at which said looping wire enters the circle, whereby said neck wire is reinforced and strengthened by said parallel wire and said encircling loop and is held firmly in place.

In witness whereof, I have hereunto signed my name in the presence of two subscribing witnesses.

CLARK S. COMSTOCK, SR.

Witnesses:
VIRGINIA LENSE,
G. B. GROESBECK.