

No. 648,071.

Patented Apr. 24, 1900.

E. A. GRIFFITH & G. W. GWINN.  
STAPLE FOR FASTENING BUTTONS TO GARMENTS, &c.

(Application filed Mar. 25, 1899.)

(No Model.)

Fig. 1.

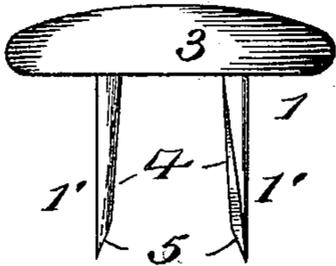


Fig. 3.

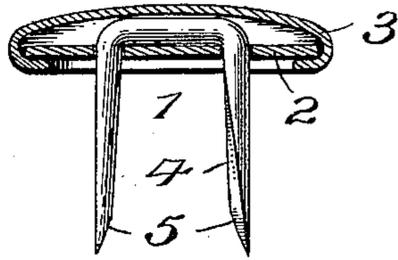


Fig. 2.

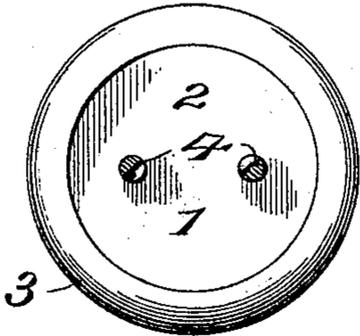


Fig. 4.

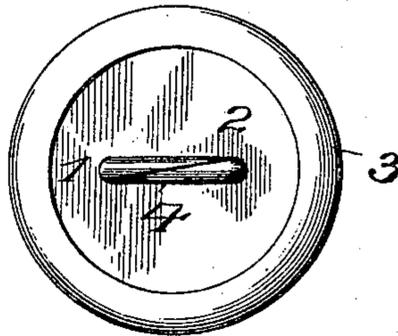
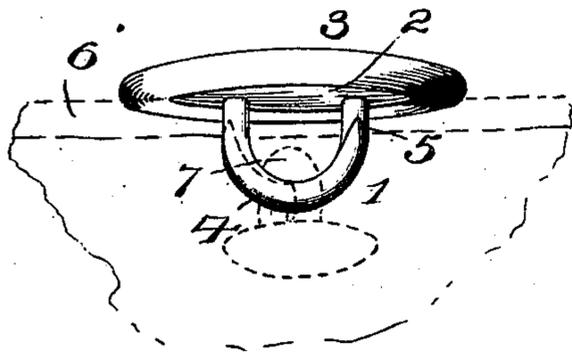


Fig. 5.



Witnesses

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# UNITED STATES PATENT OFFICE.

EDWARD A. GRIFFITH AND GEORGE W. GWINN, OF BALTIMORE, MARYLAND, ASSIGNORS TO THE RAYMOND BUTTON COMPANY, OF SAME PLACE.

## STAPLE FOR FASTENING BUTTONS TO GARMENTS, &c.

SPECIFICATION forming part of Letters Patent No. 648,071, dated April 24, 1900.

Application filed March 25, 1899. Serial No. 710,459. (No model.)

*To all whom it may concern:*

Be it known that we, EDWARD A. GRIFFITH and GEORGE W. GWINN, citizens of the United States of America, and residents of Baltimore city, in the State of Maryland, have invented certain new and useful Improvements in Staples for Fastening Buttons to Garments, &c., of which the following is a specification.

This invention relates to staples used for fastening buttons to garments, shoes, &c., in which the staple consists of a double-pointed tack secured to a staple-head, the staple being secured to the garment, shoe, or other material and to a button by clenching the tacks with a suitable tool. In clenching the tacks to the material and to a button a tool is employed, by means of which the tacks are curled up through the material and toward the head of the staple.

This invention has for its object to provide a suitable staple having tacks so constructed that in the operation of clenching them they will readily pass each other and be curled or closed up, so as to lie side by side.

The invention consists of a staple constructed as hereinafter set forth and claimed.

Referring to the accompanying drawings, Figure 1 is a side elevation of a staple constructed in accordance with this invention. Fig. 2 is a plan view showing the tacks in cross-section. Fig. 3 is a side view showing in transverse section and in dotted lines the construction of the head of the staple. Fig. 4 is a plan view showing the tacks curled up. Fig. 5 is a side view illustrating the tacks in their clenched position.

1 is a staple provided with tacks or legs 1' and having its head formed with a notched disk 2, through which the legs of the staple pass, and a cap 3, clenched over the disk 2, to hold the staple firmly in place. The legs 1' of the staple are sheared in opposite directions from end to end, as shown, so as to present sheared surfaces 4, which, while approximately parallel to one another, are at an angle to a vertical plane passing through the axes of the legs. By means of this construction upon the application of a clenching tool the legs will pass each other and be

curled up into the position shown in Figs. 4 and 5. The points 5 5 of the legs 1' are cut off so as to form ends tapered at a different angle to the angle of the sheared surfaces of the legs, thereby giving the requisite strength and presenting a point which will not break.

In securing the staple to a button one of the legs of the staple is passed through the material 6 and the ring or shank 7 of a button, and the clenching-tool being applied to the legs they are curled past each other through the shank of the button, as shown in dotted lines in Fig. 5. If a flat button with holes in it be used, the legs are passed through the material and the holes in the button, and the clenching-tool being applied the legs are curled back to one another and their ends reënter the holes of the button opposite to the hole each one first entered. The legs sheared as set forth cause the legs when the tool is applied to bend in a uniform curve to lap each other and also permit the legs to be clenched to any desired extent—that is to say, the curving may be stopped at a desired point, so as to give a long or short shank to the staple.

Having described the invention, we claim—

1. A staple for fastening buttons, &c., having its legs formed on their inner sides with sheared faces, sheared from opposite directions, so as to present surfaces approximately parallel to one another, at an angle to a vertical plane passing through the axes of the legs, the ends of the legs being inclined at a different angle from the sheared surfaces of the legs.

2. A staple for fastening buttons, &c., having its legs formed upon their inner opposite surfaces with sheared faces, which are approximately parallel, and inclined to a vertical plane passing through the axes of the legs, as set forth.

Signed at Baltimore, Maryland, this 23d day of March, 1899.

EDWARD A. GRIFFITH.  
GEORGE W. GWINN.

Witnesses:

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