April 8, 1930.

R. F. WALTERS

1,753,631

CLOSURE ELEMENT

Filed July 14, 1927

Fig. 1.

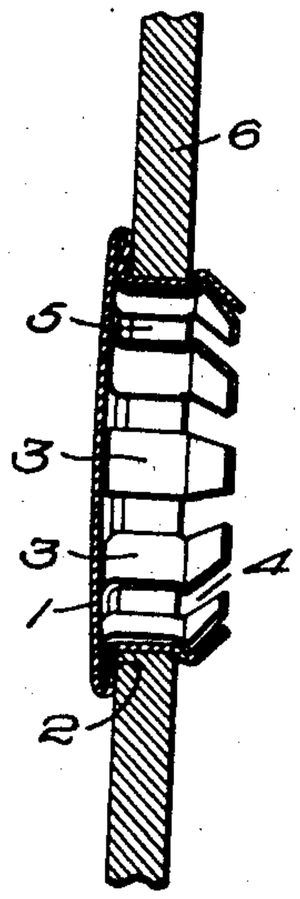
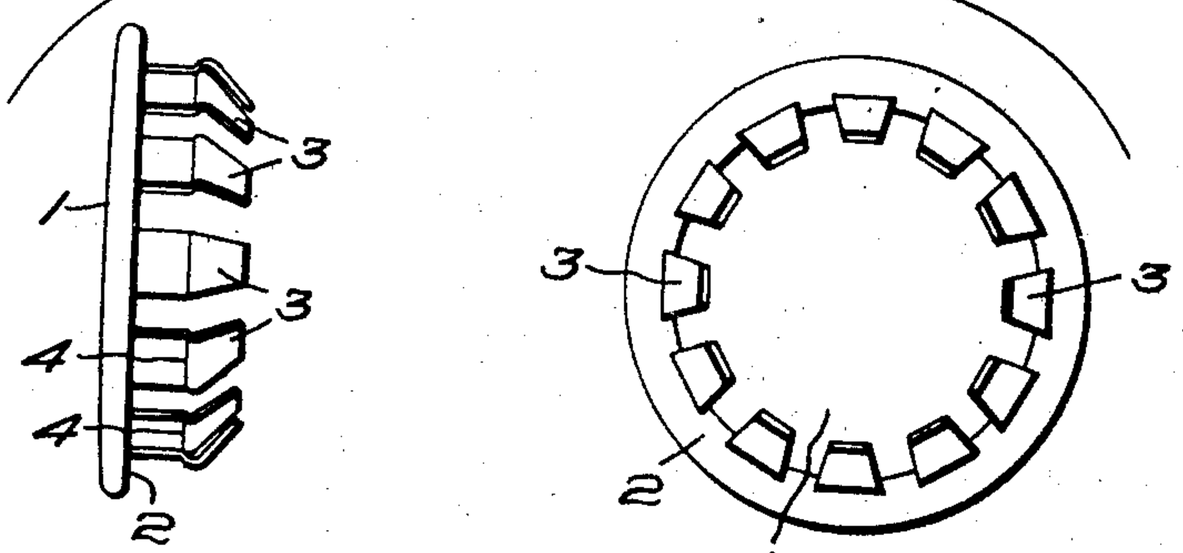


Fig. 2.



Inventor:
Rollo F. Walters
by Emery Booth Janney & Janney
Atty's

Patented Apr. 8, 1930

1,753,631

UNITED STATES PATENT OFFICE

ROLLO F. WALTERS, OF DETROIT, MICHIGAN, ASSIGNOR, BY MESNE ASSIGNMENTS, TO UNITED-CARR FASTENER CORPORATION, OF CAMBRIDGE, MASSACHUSETTS, A CORPORATION OF MASSACHUSETTS

CLOSURE ELEMENT

Application filed July 14, 1927. Serial No. 205,741.

My invention aims to provide improvements in closure elements.

In the drawings, which illustrate a preferred embodiment of my invention:—

Figure 1 is a vertical section showing the closure element in cross-section as it appears when concealing a hole in a rigid part; and

Fig. 2 includes a side elevation and a rear elevation of the closure element.

Referring to the drawings, I have shown a closure element in the form of a button having resilient means for securing it in position to a part having a hole, thereby concealing the hole as shown in Fig. 1. The element illustrated is particularly, though not exclusively, useful for covering a hole temporarily. For instance, in many articles of manufacture holes are provided for receiving bolts, or the like, of articles to be attached by others than the manufacturer providing the holes. In many instances the manufacturer desires to conceal the holes until the article is attached, so I have provided a closure button for this purpose.

The button illustrated is pressed from a single piece of metal and has a body or button portion 1, a flange or ledge 2 and a plurality of resilient fingers 3, as best shown in Fig. 1. The ledge 2 is formed by turning a portion of the metal inwardly at the edge of the body portion 1. The fingers 3 extend from the inner edge of the flange 2.

The fingers 3 are relatively closely arranged about the inner edge of the flange 2 and are provided with shoulders 4. From the shoulders 4 the fingers taper toward the center of the button to permit easy entrance of the fingers into the hole 5 in the part 6.

When the closure element is attached to the part 6, as shown in Fig. 1, the shoulder portions 4 provide means for preventing accidental loss of the button. The ledge 2 overlies the front face of the part 6 and the body or button portion 1 completely conceals the the hole 5 at one side of the part 6.

The closure elements may be made in various sizes to cover various sized holes and the distance between the shoulders 4 and the ledge 2 may be varied to accommodate the elements to various thicknesses of the part 6.

While I have shown and described a preferred embodiment of my invention, I do not wish to be limited thereby, my invention being best defined in the following claim.

I claim:

A closure button having at its under side an annular series of relatively narrow fingers flat in cross-section to permit bending upon straight lines where they join the closure button, each of said fingers having a relatively abrupt shoulder and a guiding portion extending toward the axis of the closure button at an angle relative to a plane at right angles to the axis of the closure button as and for the purposes illustrated and described.

In testimony whereof, I have signed my name to this specification.

ROLLO F. WALTERS.