

No. 891,595.

PATENTED JUNE 23, 1908.

P. M. COYNE.
DETACHABLE BUTTON.
APPLICATION FILED OCT. 29, 1907.

Fig. 1.

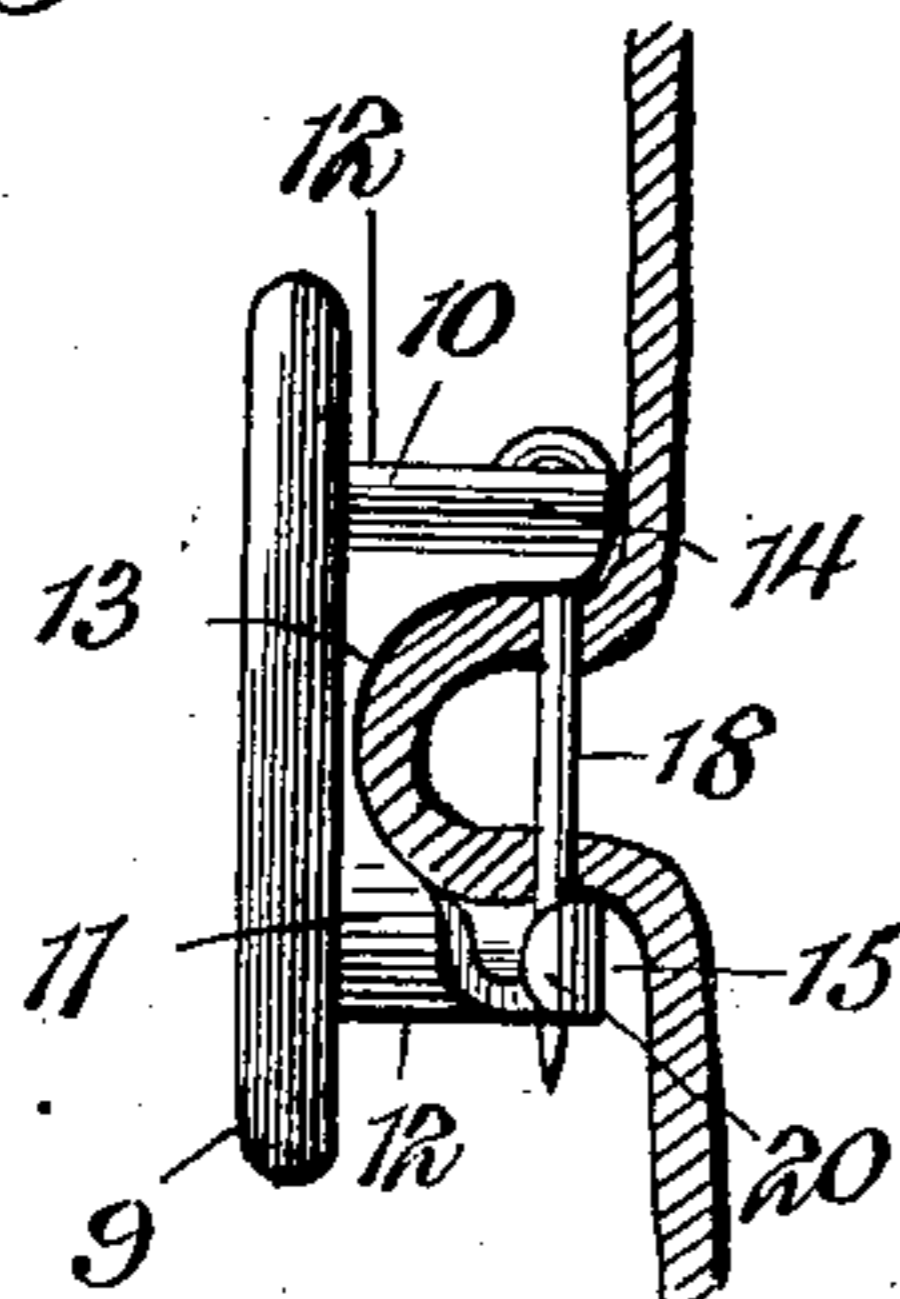


Fig. 2.

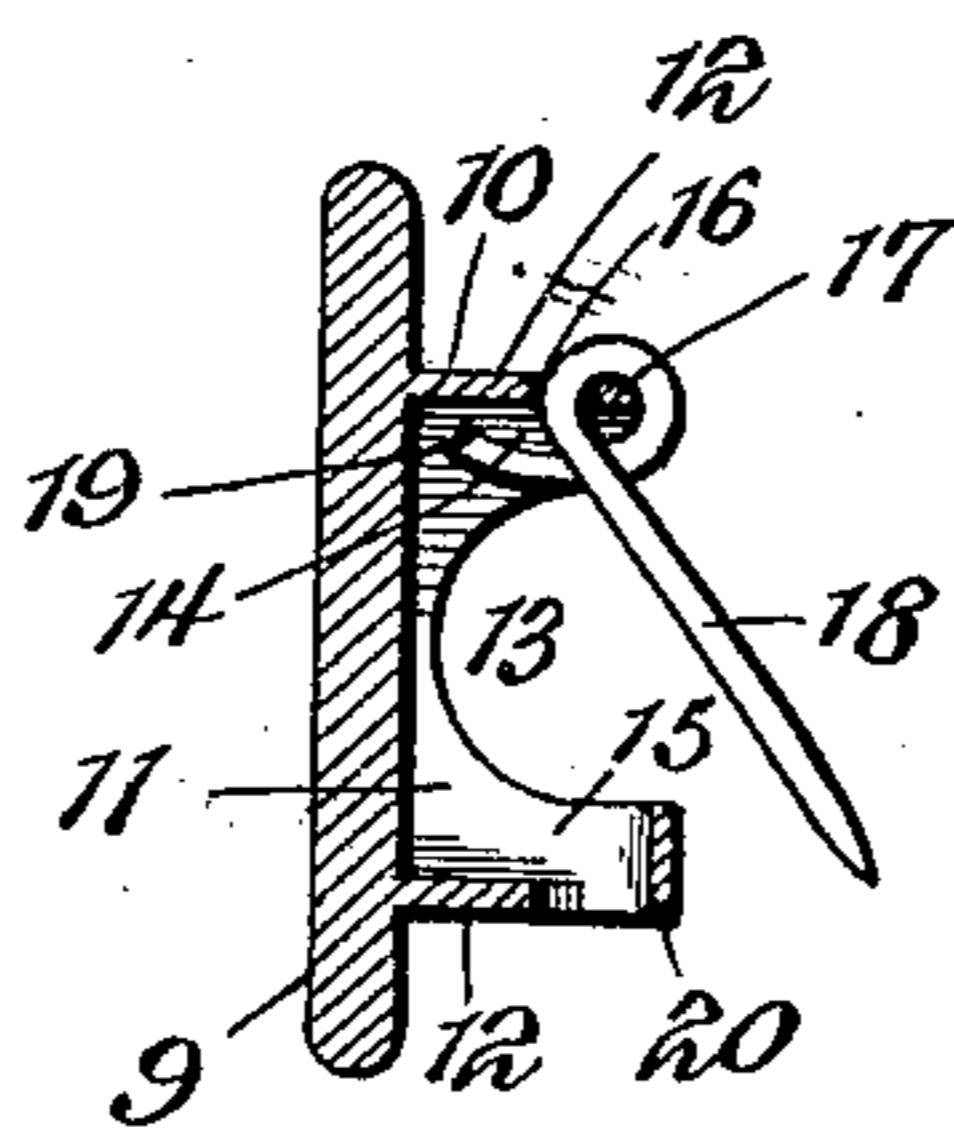


Fig. 3.

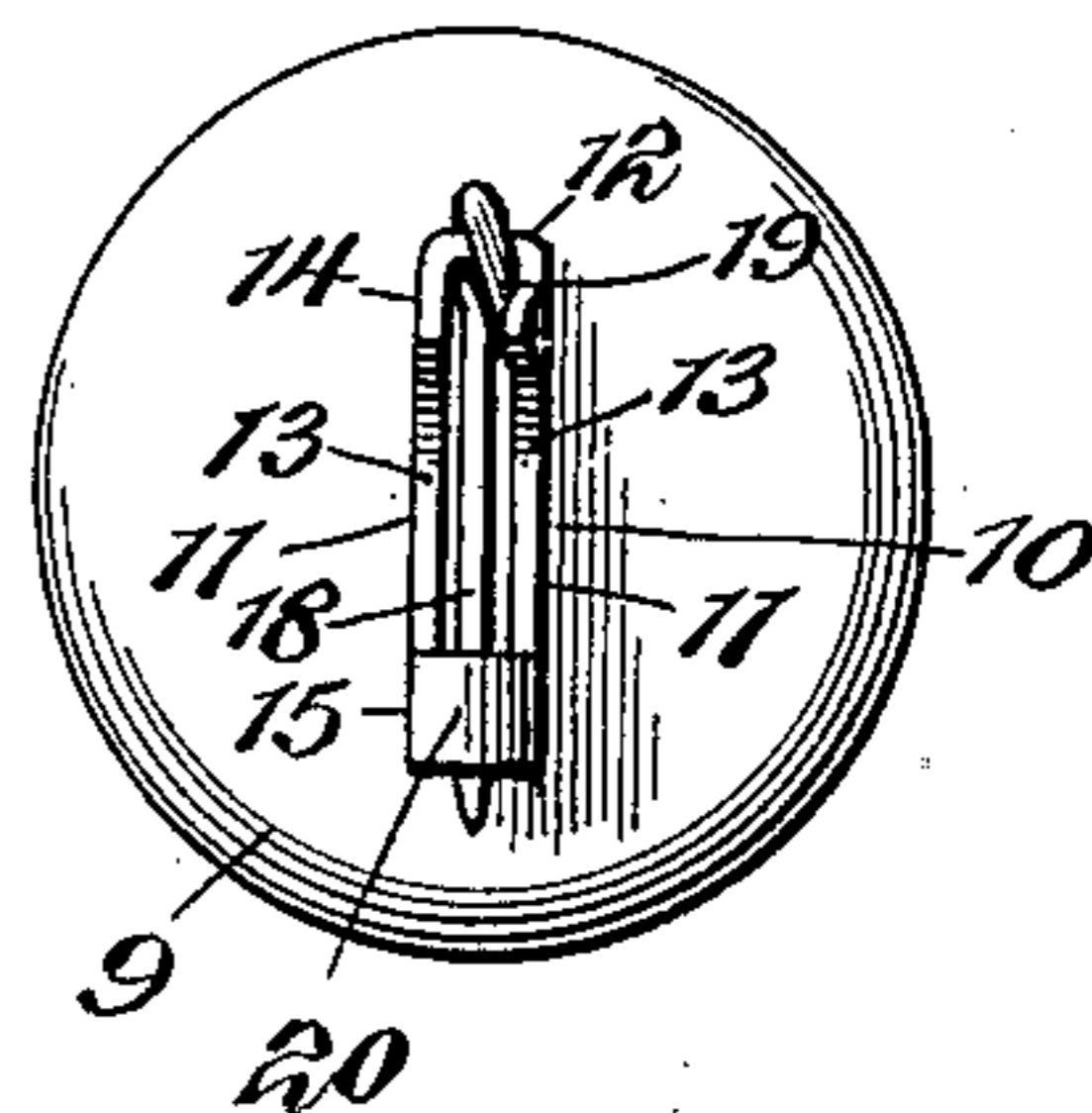


Fig. 4.

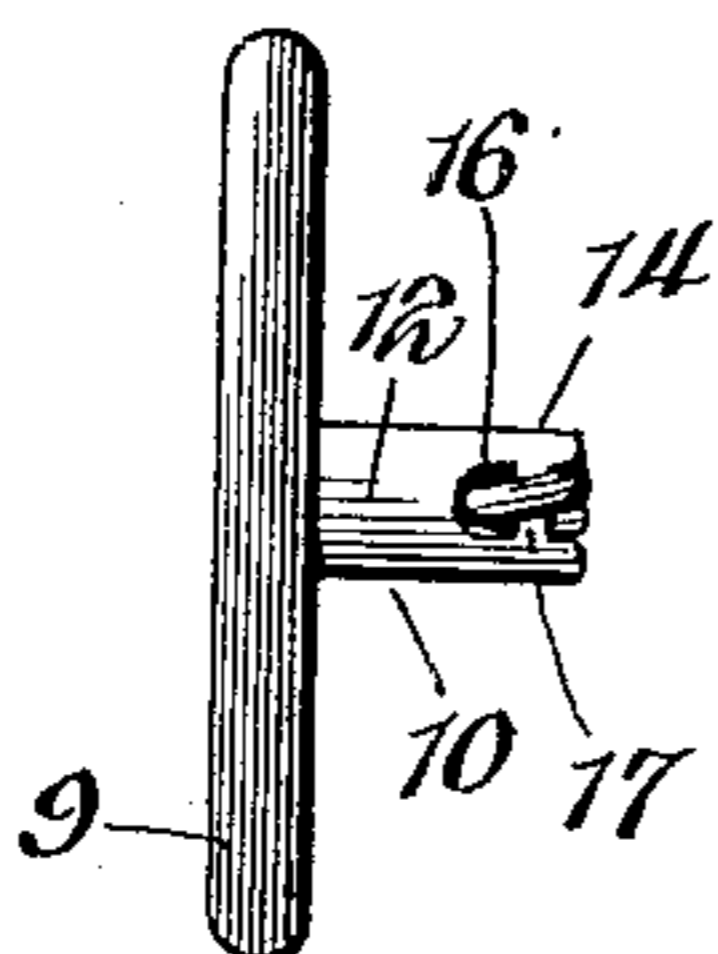


Fig. 5.

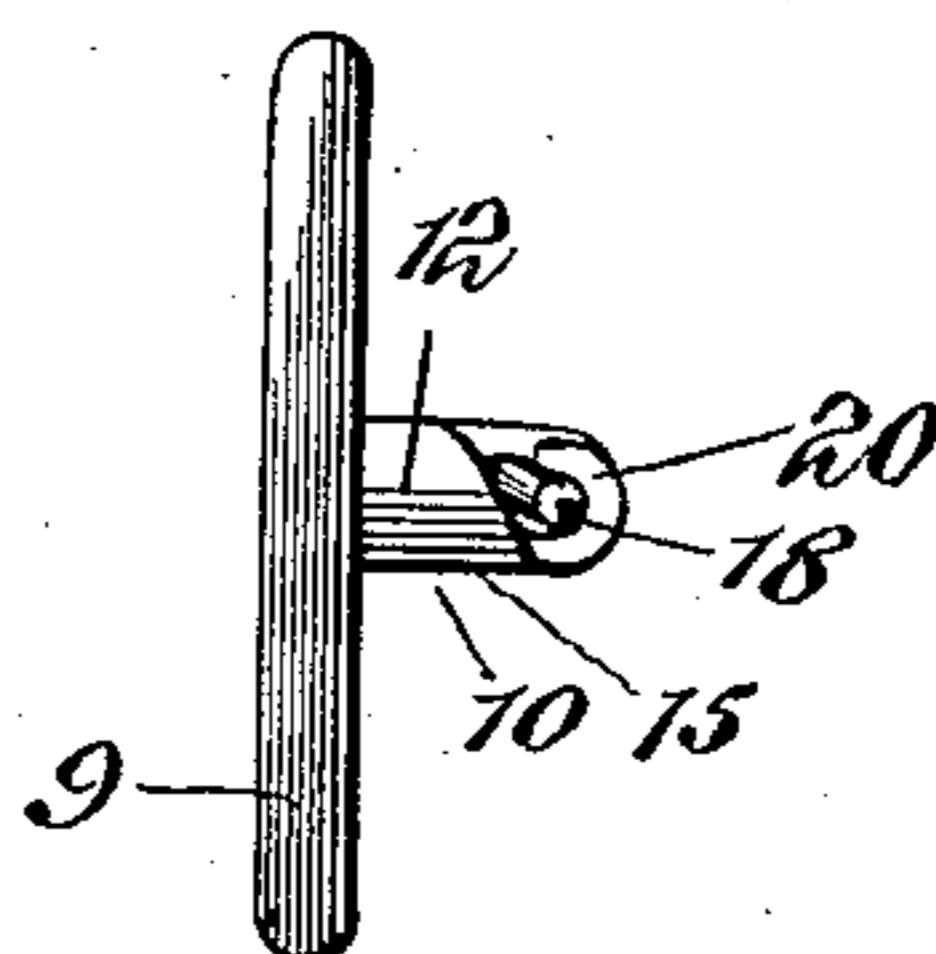


Fig. 6.

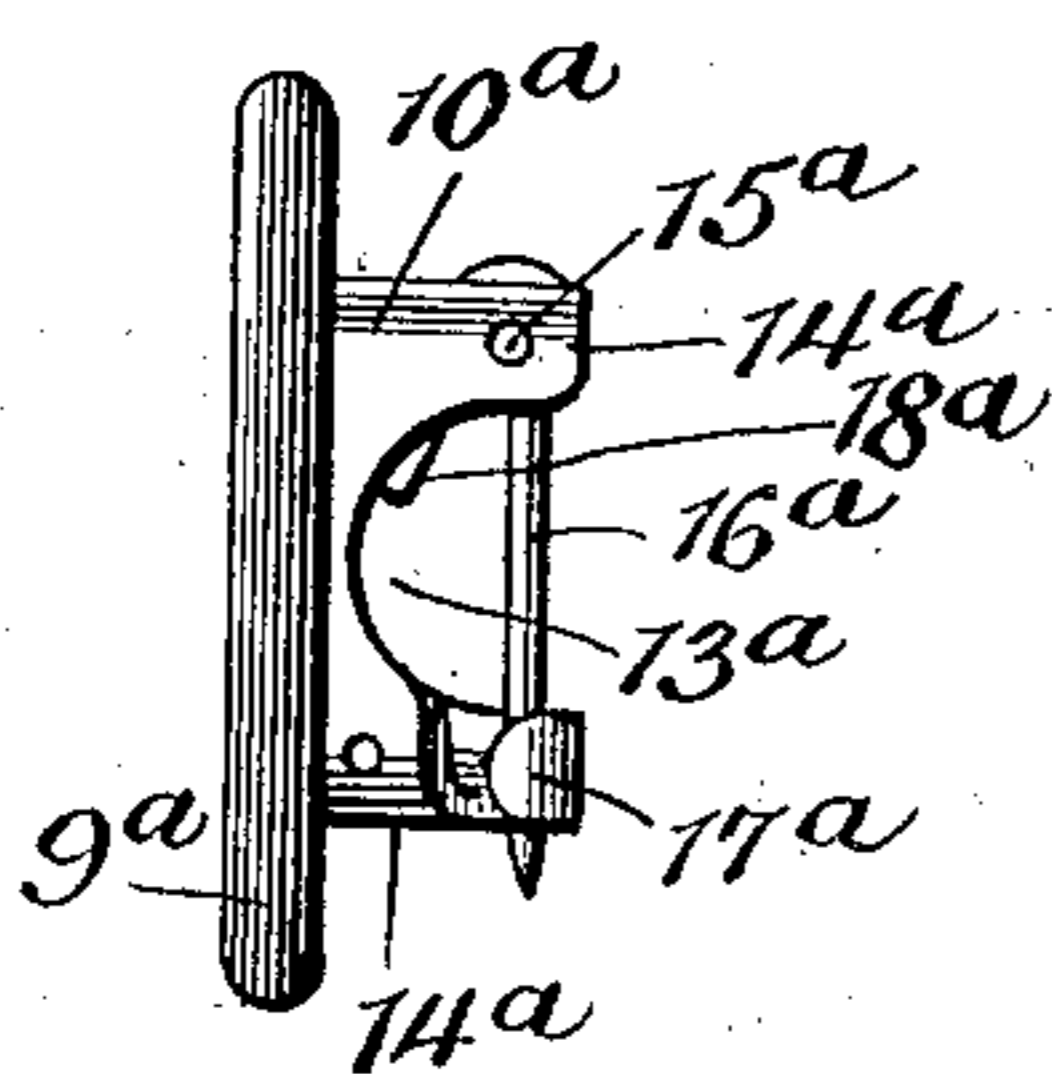


Fig. 7.

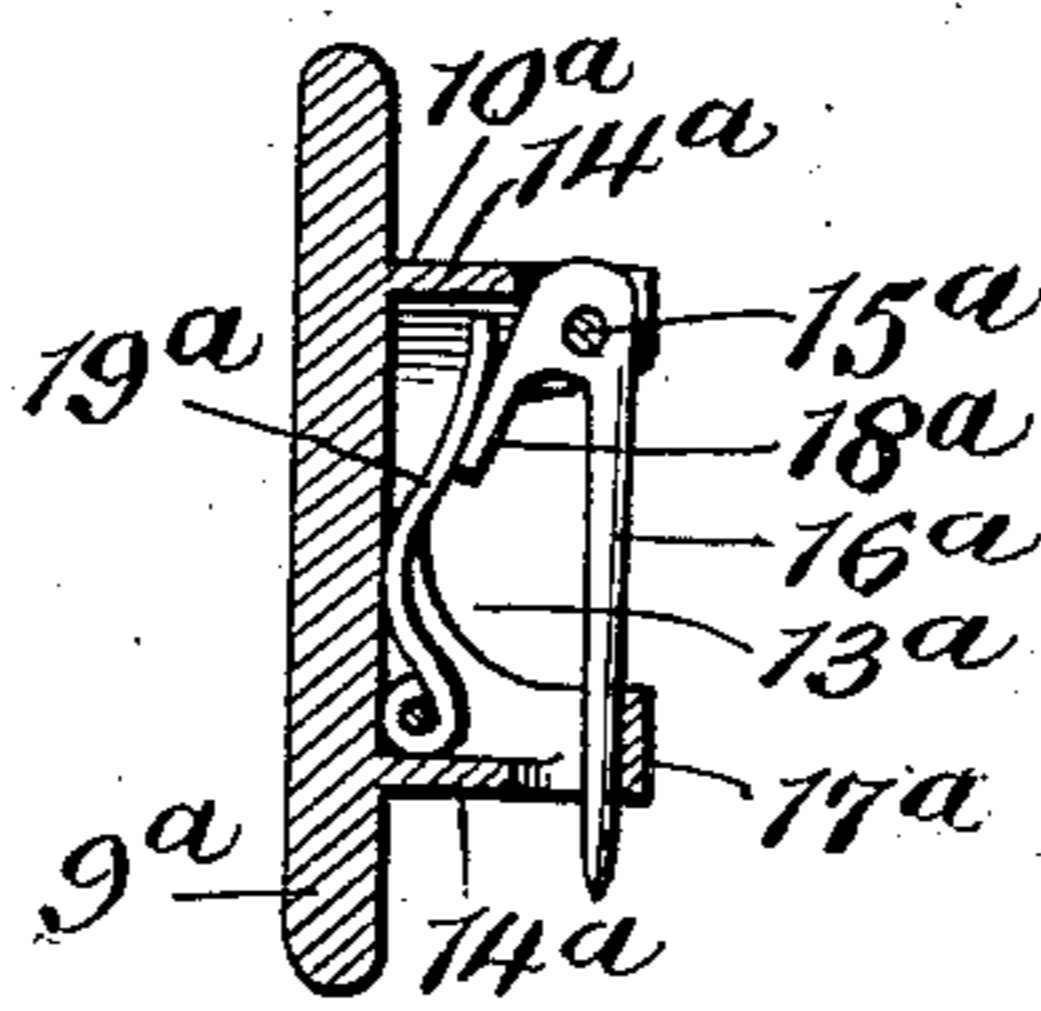
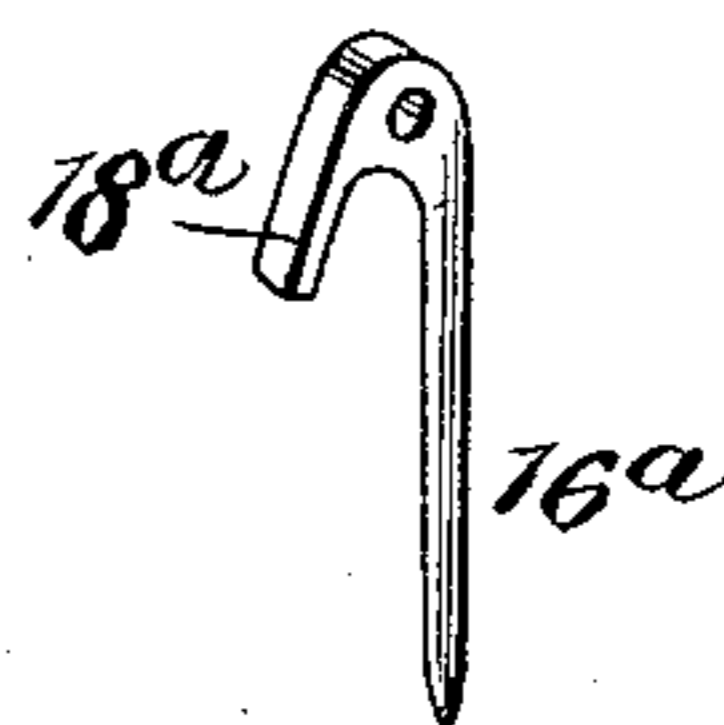


Fig. 8.



Witnesses

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DETACHABLE BUTTON.

No. 891,595.

Specification of Letters Patent.

Patented June 23, 1908.

Application filed October 29, 1907. Serial No. 399,634.

To all whom it may concern:

Be it known that I, PATRICK M. COYNE, a citizen of the United States, residing at Portland, in the county of Multnomah and State of Oregon, have invented a new and useful Detachable Button, of which the following is a specification.

The present invention relates particularly to detachable buttons for use in securing portions of wearing apparel together, but is capable of advantageous employment for other purposes, such as a badge, a flower holder, and the like.

The principal object is to provide a novel, very simple, and inexpensive button, which can be readily applied to or detached from an article of wearing apparel, and when in place, is not only effectively secured, but will stand out from the fabric in order that it may be readily passed through a button hole.

Two embodiments of the invention are disclosed in the drawings, wherein:—

Figure 1 is a side elevation of one of the preferred forms of construction, showing the button in place on the goods. Fig. 2 is a sectional view through said button. Fig. 3 is a rear elevation of the same. Fig. 4 is an end elevation. Fig. 5 is a similar view of the opposite end. Fig. 6 is a side elevation of a modified form of construction. Fig. 7 is a longitudinal sectional view therethrough. Fig. 8 is a detail perspective view of the pin shown in Figs. 6 and 7.

Similar reference numerals designate corresponding parts in all the figures of the drawings.

Referring to the embodiment disclosed in the first five figures, the button consists of a head 9 having a rearwardly extending oblong tubular shank 10, said shank comprising spaced side walls 11 connected at their ends, as shown at 12. This shank is provided in its rear end with a concave recess 13, which terminates short of the head and forms spaced posts 14 and 15, each of which has spaced sides formed from portions of the spaced side walls 11. These sides are connected by an integral end portion that is provided with an orifice 16, said orifice thus forming an integral pintle 17. A pin 18 has one terminal portion passed through the orifice and bent around the pintle, the end 19 of said pin abutting against the doubled portion or end wall 12, and forming a spring that normally holds the pin in projecting relation. The opposite post 15 is provided with a

keeper hook 20 that receives the free end of the pin.

In using the device, the head of the button is held in one end and the pin pushed through the fabric at the desired point, as much fabric being taken as will permit the pin to be afterwards closed, or in other words, engaged with the hook 20. The result is that the fabric will be received in the recess 13, and firmly engaging the curved walls of said recess, will maintain the head of the button in spaced relation to the clothing so that it may be readily passed through a button-hole. The recess, and more particularly the shape thereof is considered of great importance, and the pin may be constructed in a number of ways. For instance, in Figs. 6, 7 and 8, the head of the button, designated 9^a is provided with a rearwardly extending shank 10^a having the concave recess 13^a in its rear end. The recess thus forms spaced posts 14^a, one of which has a pintle 15^a on which a pin 16^a is journaled. The free end of the pin is arranged to engage beneath a retaining hook 17^a formed on the other post. The pin, as shown, has an inwardly extending tail piece 18^a borne against by a spring 19^a located within the post between the side walls thereof. It will be observed that this structure has substantially all the advantages of the first described, so far as the application and the detachment of the button is concerned. But inasmuch as it is more expensive to manufacture because of the rivets and the additional spring, it is not considered as satisfactory in some respects as in the first described embodiment.

From the foregoing, it is thought that the construction, operation, and many advantages of the herein described invention will be apparent to those skilled in the art, without further description, and it will be understood that various changes in the size, shape, proportion, and minor details of construction, may be resorted to within the scope of the appended claims without departing from the spirit or sacrificing any of the advantages of the invention.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is:—

1. A button comprising a head, an oblong tubular shank projecting rearwardly from the head and having a fabric-receiving recess in its rear end that terminates short of the head and forms spaced posts, each post hav-

ing spaced sides, a securing pin pivoted on one post and swinging in a plane between the sides, and a keeper for the free end of the pin located on the other post.

5 2. A button comprising a head, a shank projecting from the head and having spaced sides and an integral end portion connecting the outer portions of said sides, said end portion being provided with an orifice forming a
10 pintle, and a pin having a terminal portion passing through the orifice and journaled on the pintle.

15 3. A button comprising a head, a shank projecting from the head and having a doubled end forming spaced sides and an integral end portion, said end portion being provided with an orifice forming a pintle, and a pin having a terminal portion passing through the orifice and journaled on the pin-
20 tle, said terminal portion having an offset end that extends across the pin and bears against the shank between the sides, forming a

spring to normally hold the pin in open position.

4. A button comprising a head and an elongated tubular shank projecting rearwardly from the head and having a fabric receiving recess in its rear end that terminates short of the button, said recess forming spaced posts, one of the posts being provided with an orifice, forming a pintle the other with a keeper
30 hook, and a pin having a terminal portion passing through the orifice and bent outwardly around the pintle and inwardly across the pin, bearing against the post, the free end
35 of said pin engaging under the keeper hook.

In testimony, that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

PATRICK M. COYNE.

Witnesses:

JOHN CARLSON,
A. E. HALL.