

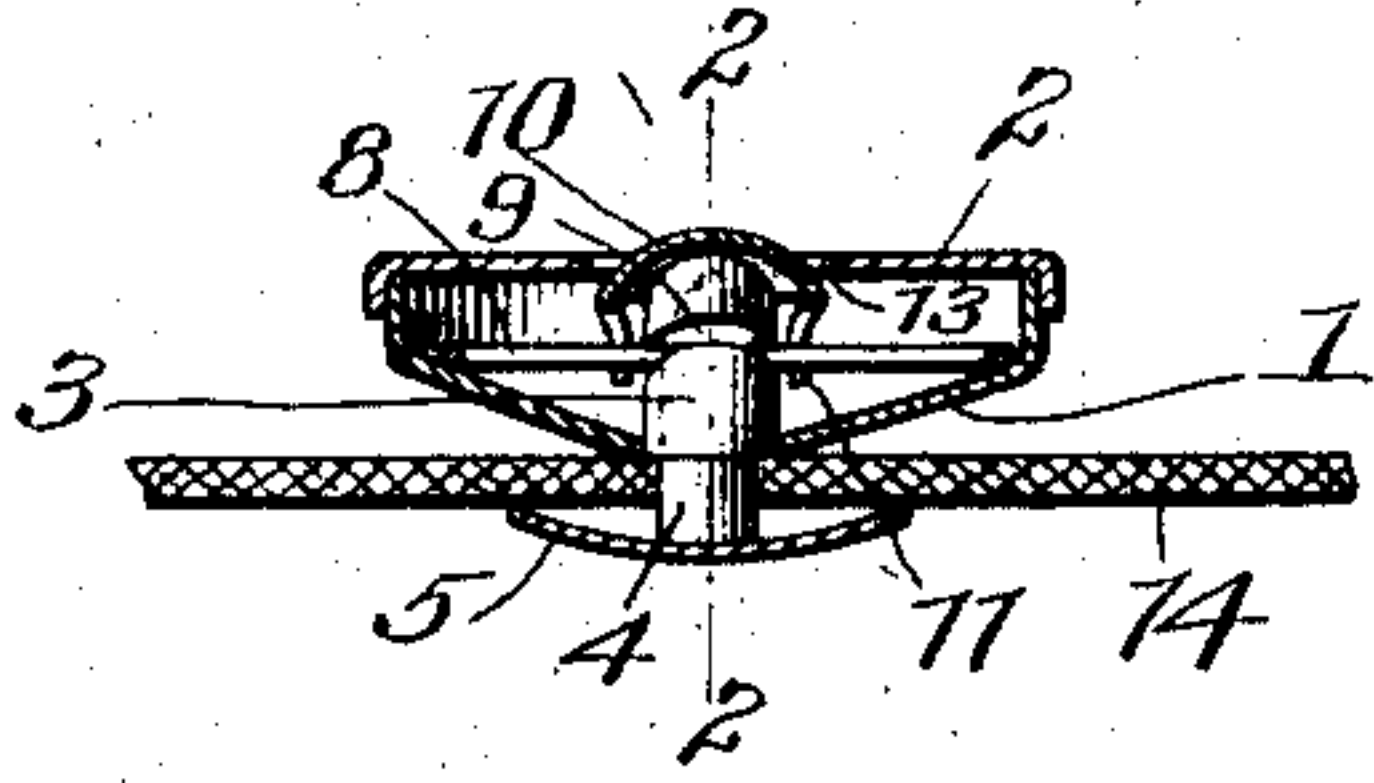
No. 854,233.

PATENTED MAY 21, 1907.

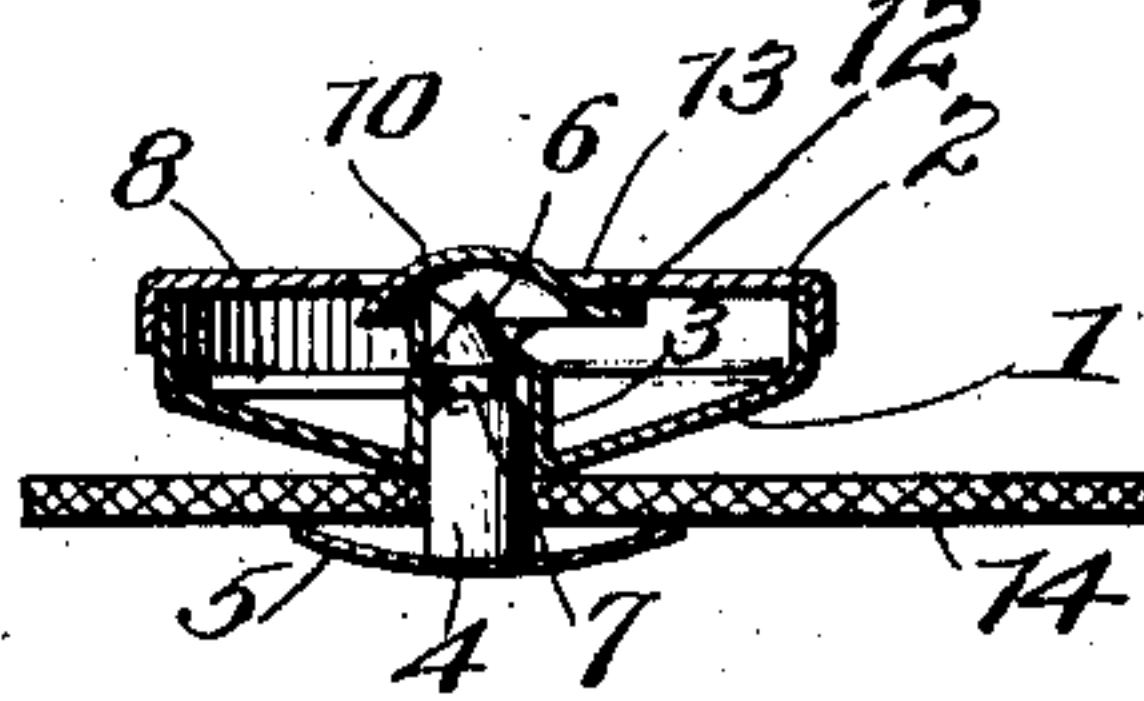
W. S. OSBORN.  
BUTTON.

APPLICATION FILED JUNE 1, 1906.

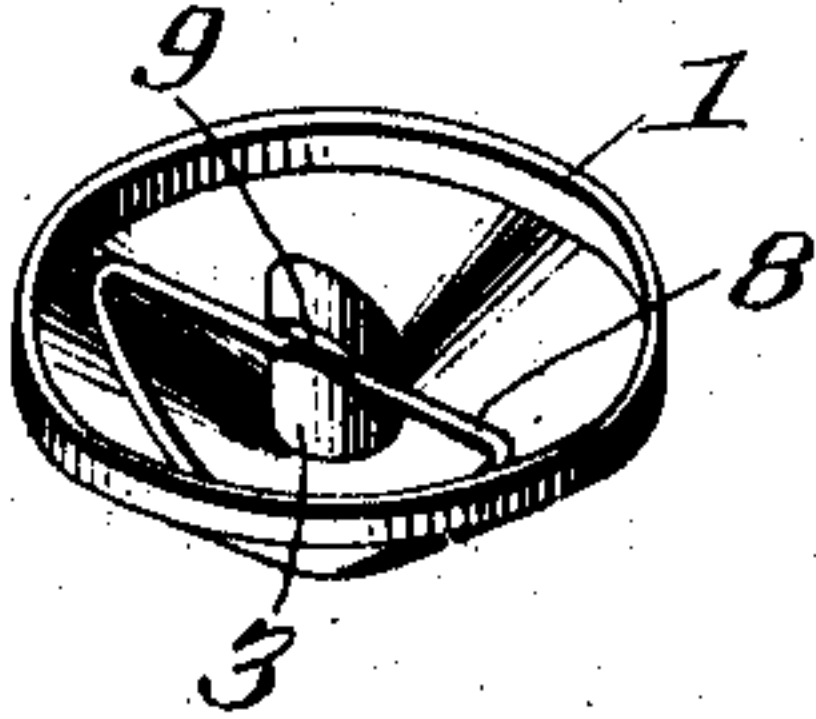
*Fig. 1.*



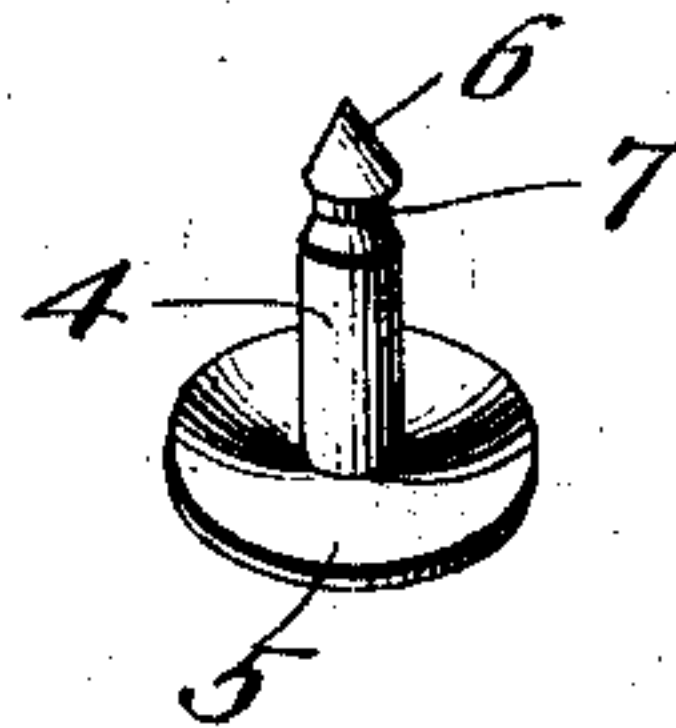
*Fig. 2.*



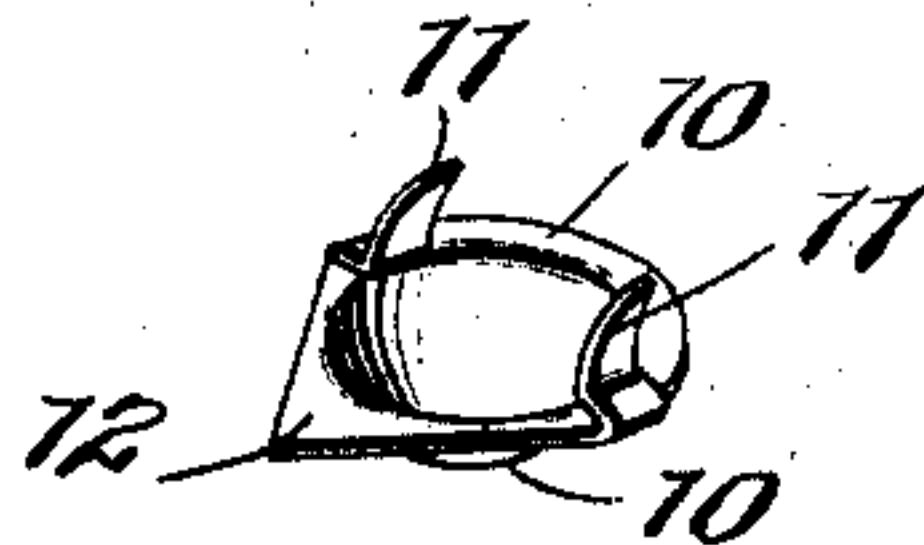
*Fig. 3.*



*Fig. 4.*



*Fig. 5.*



Inventor

Witnesses

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# UNITED STATES PATENT OFFICE.

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## BUTTON.

No. 854,233.

Specification of Letters Patent.

Patented May 21, 1907.

Application filed June 1, 1906. Serial No. 319,794.

*To all whom it may concern:*

Be it known that I, WINFIELD SCOTT OSBORN, a citizen of the United States, residing at Remington, in the county of Jasper and State of Indiana, have invented certain new and useful Improvements in Buttons; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to new and useful improvements in buttons and more particularly to that class adapted to be secured to trousers and my object is to provide a button which may be readily and quickly attached to the trousers without sewing the same.

A further object is to provide means for locking the several parts of the button together.

A still further object is to provide means for releasing the button, whereby the same may be removed from the trousers.

Other objects and advantages will be hereinafter referred to and more clearly pointed out in the claims.

Referring to the drawings which are made a part of this application and in which I have shown my preferred form of construction. Figure 1 is a central sectional view through the button and showing the button applied to use. Fig. 2 is a sectional view as seen from line 2—2 Fig. 1. Fig. 3 is a detail perspective view showing the locking mechanism. Fig. 4 is a perspective view of the securing stem, and Fig. 5 is an inverted perspective view of the releasing device.

Referring to the drawings in which similar reference numerals designate corresponding parts throughout the several views 1 indicates the body of my improved button to the outward edge of which is secured a cover 2, said body and cover forming a housing for the centrally disposed tubular socket 3, the free end of said socket being cut at an obtuse angle while the opposite end thereof is disposed through an opening in the bottom of the body 1 and is held therein in any preferred manner. The tubular socket 3 is adapted to receive the stem 4 of the securing device, said stem being integral with the base 5, said base being at one end of said stem while the opposite end 6 is conical. A circumferential groove 7 is disposed around the stem 4 in juxtaposition to the conical end

6, the object of said groove being to receive a locking device 8 disposed in the body 1. This locking device is preferably triangular in shape and having the apex thereof disposed against the wall of the body 1 and the base thereof entered in a slot 9 in the tubular socket 3 so that when the stem 4 is directed into said socket the base of the locking device 8 will be seated in the groove 7 and thereby prevent the casual removal of the stem.

In order to release the stem 4 from the locking device 8 I have provided a cup-shaped releasing member 10, said member being disposed over the end of the tubular socket 3 and normally rests upon the pointed end thereof, said member being provided on opposite sides with depending fingers 11 one on each side of the tubular socket which are adapted to extend into the path of the base of the locking device 8 so that when the member 10 is depressed the fingers will engage the base of the locking device 8 and direct the same outwardly in the slot 9 until the stem 4 has been released, when said stem may be readily removed from the tubular socket 3 and the button removed from the garment.

In order to prevent the member 10 from casual displacement from the tubular member 3 I have provided a projecting arm 12 at one side thereof, said arm being adapted to contact the inner surface of the cover 2 and thereby prevent tilting of the member 10 in one direction. To gain access to the cup-shaped member 10 I have provided a circular opening 13 in the cover 2 through which is adapted to extend a portion of the member 10 and thereby dispose said member in a position to be tilted upon the member 3.

In operation the stem 4 is inserted through the garment 14 until the base 5 engages the inner surface of the garment after which the tubular member 3 is disposed over the protruding end of the stem 4 and the base of the locking device 8 seated in the groove 7 thereby securing the button to the garment. If for any reason, as when the garment is worn out, it is desired to remove the buttons therefrom and secure them to another garment, pressure is brought to bear upon that portion of the cup-shaped member 10 extending through the opening 13 in the cover 2 and as the member 10 rests upon the highest point of the tubular member 3 the cup-shaped member 10 will have a swinging movement when depressed thereby directing the fingers 11 into engagement with the base of the lock-



ing device 8 and disposing the same out of engagement with the groove 7 when the parts of the button may be readily separated and removed from the garment and then secured to another garment. As the highest point of the tubular member 3, forming the pivot for the member 10, is centrally above the slot 9 the action of the fingers 11 upon the base 8, when the member 10 is depressed, will give an upward as well as outward movement to the base and in order to prevent undue wear upon the base by engaging the walls of the slot 9 the angle of said slot is made substantially the same as the angle of the upper end of the tubular member which is preferably disposed at an angle of 45° thereby permitting the base to freely leave the slot without undue wear and giving the cup-shaped member room to swing upon the point of the tubular member without engaging other parts thereof.

What I claim is:

1. A button of the class described comprising a body, a tubular member in said body, the upper end of which is disposed at an angle to the axis of the member, said member having a slot therein at an angle to the axis of the tubular member and at the same angle as the angle of the upper end of the member, a cover for said body having an opening therein, a stem having a circumferential groove, a base on said stem and means adapted to engage the groove in said stem to removably lock said body on the stem.

2. A button of the class described comprising the combination with a stem having a conical end and a circumferential groove and a base secured thereto; of a body, a tubular socket in said body having its upper end disposed at an angle to the axis of the socket, said socket having a slot therein at an angle to the axis of the socket and at the same angle as the angle at the upper end of

the socket, a locking device disposed in said body and having one portion thereof extending into said slot whereby when said stem is disposed in said tubular socket, said locking device will engage the groove, a cover for said body having an opening therein and means to disengage said locking device from the groove.

3. A button of the class described comprising the combination with a stem, a base at one end of said stem, said stem having a groove near the opposite end thereof; of a body, a tubular socket in said body having its free end disposed at an angle to its axis, a locking device disposed in said body, a portion thereof entering a slot in the tubular member, a cover for said body, said cover having an opening therein, a releasing member in said body and resting on the apex of the angular end of said tubular member, means carried by said member to engage the locking device when tilted and additional means to limit the movement of said releasing member in one direction.

4. A button of the class described comprising the combination with a stem having a conical end and a groove near said conical end; of a body, a cover for said body, a socket in said body having its upper end disposed at an angle to its axis, a locking member in the body, the base of which is adapted to enter a slot in said socket, a releasing member in said body and depending arms integral with said member adapted to be swung into engagement with said base when the member is depressed.

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

WINFIELD SCOTT OSBORN.

Witnesses:

CHARLES W. LITTLEFIELD,  
E. BESSER.