

(No Model.)

T. WATSON.
BUTTON.

No. 396,445.

Patented Jan. 22, 1889.

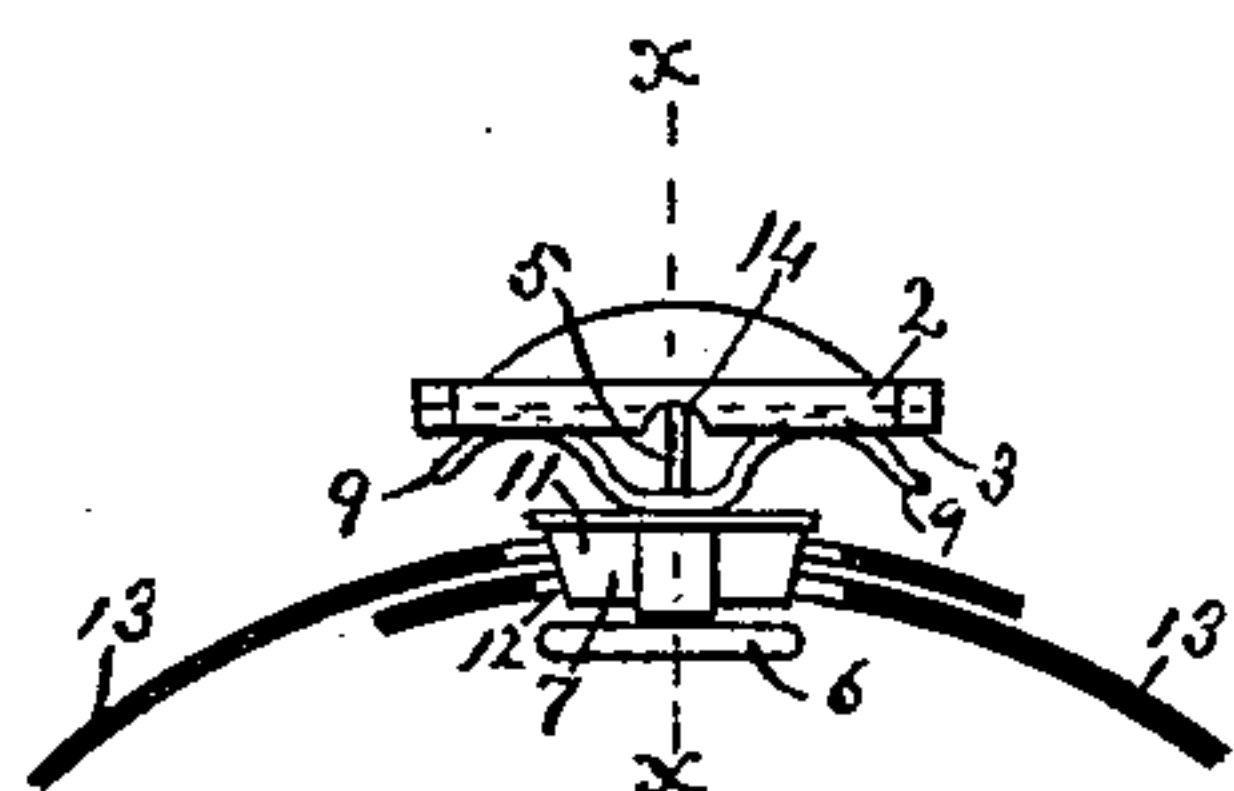


Fig. 1.

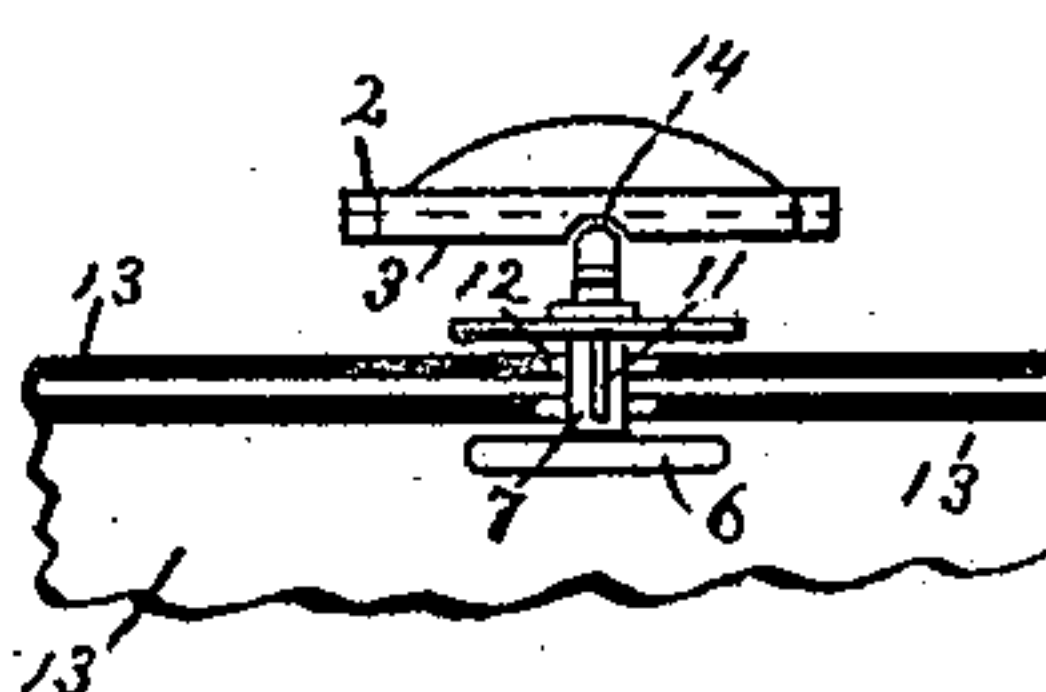


Fig. 2.

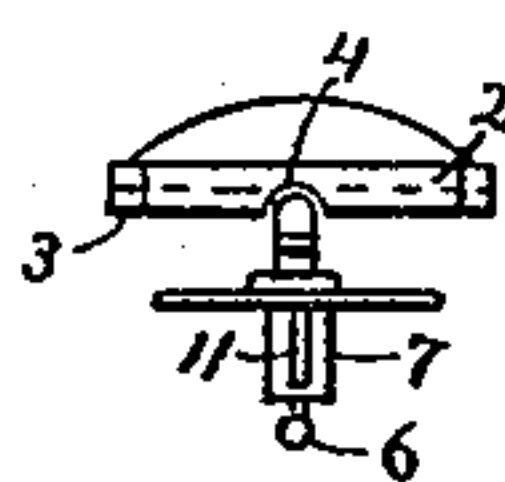


Fig. 3.

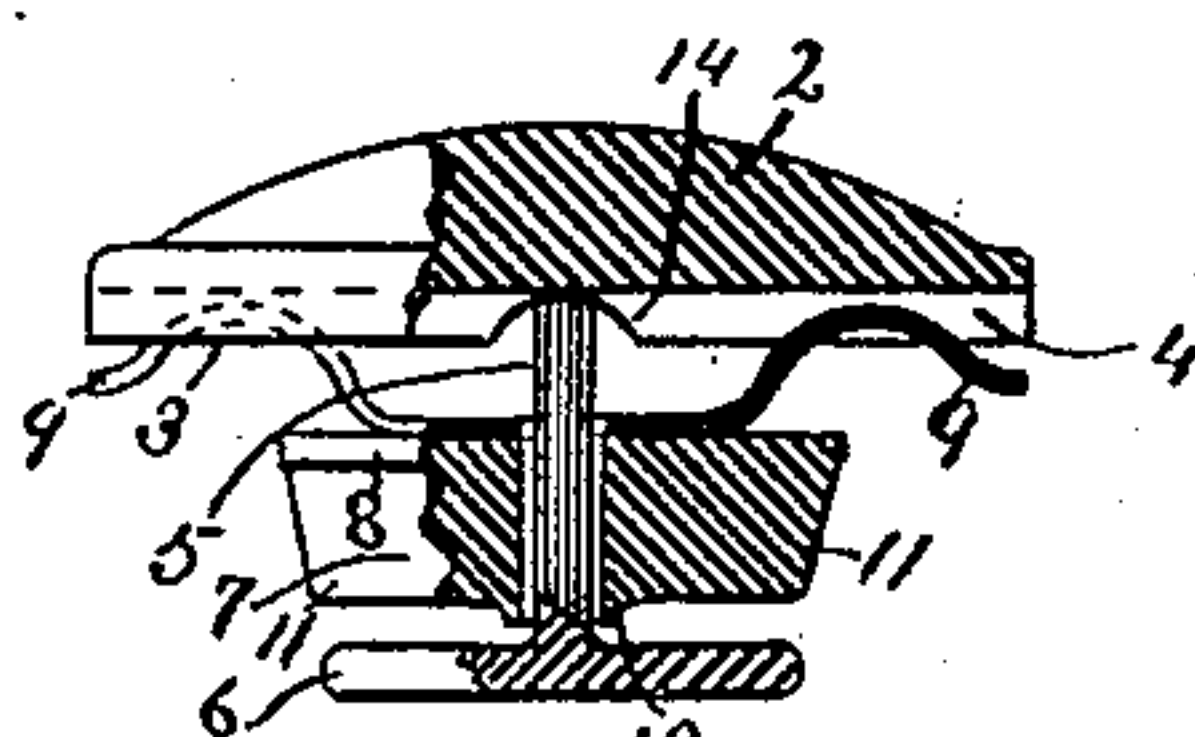


Fig. 4.

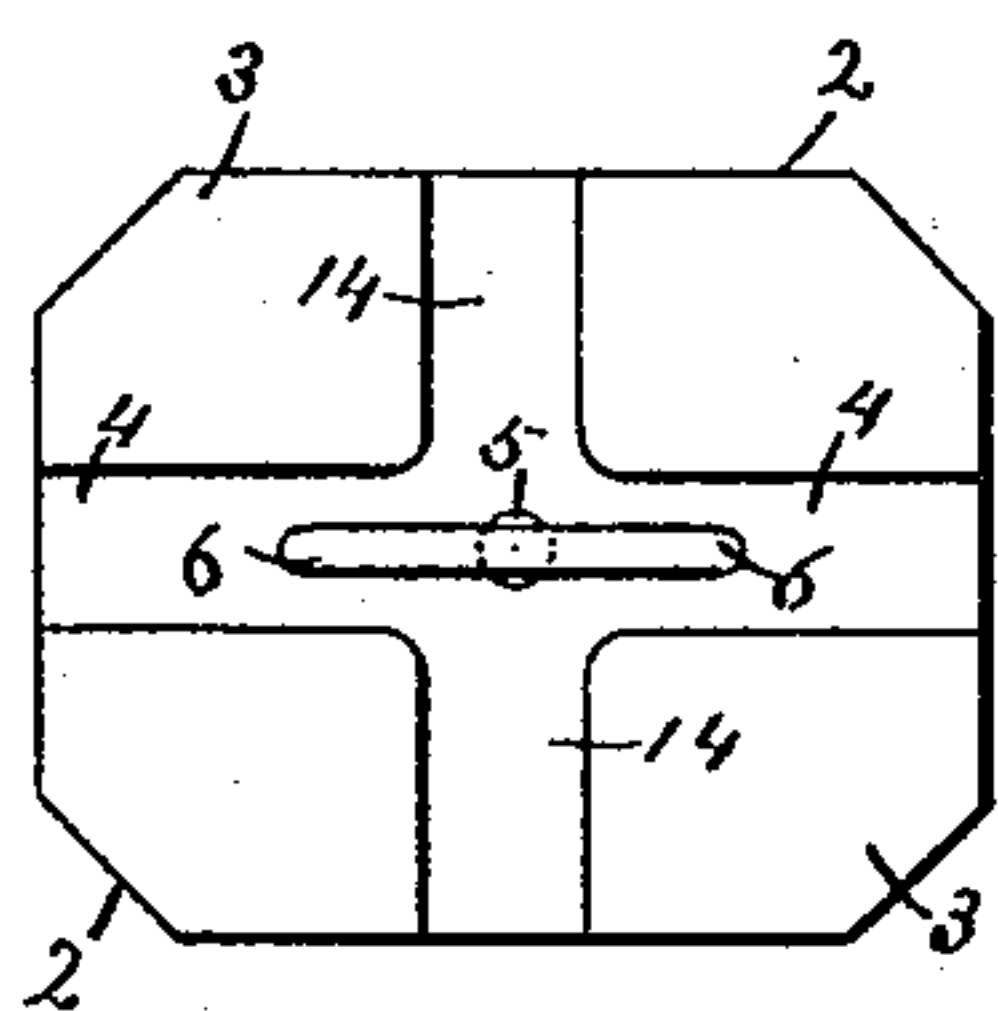


Fig. 5.

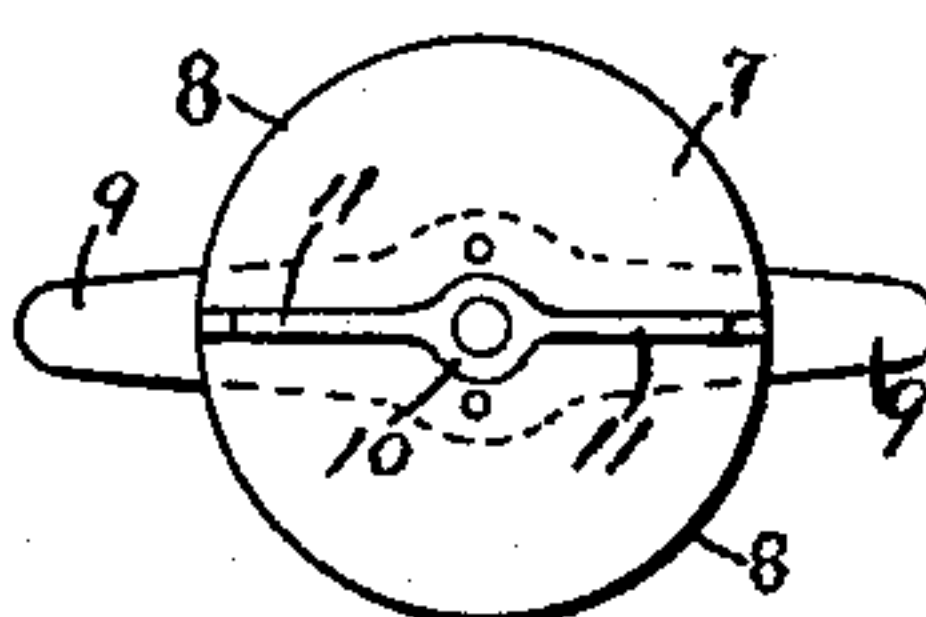


Fig. 6.

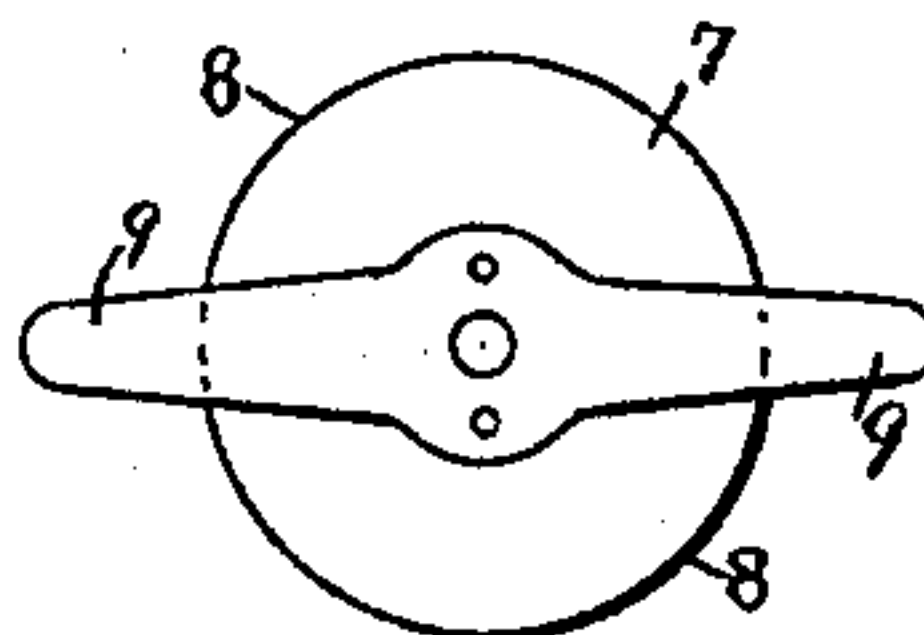


Fig. 7.

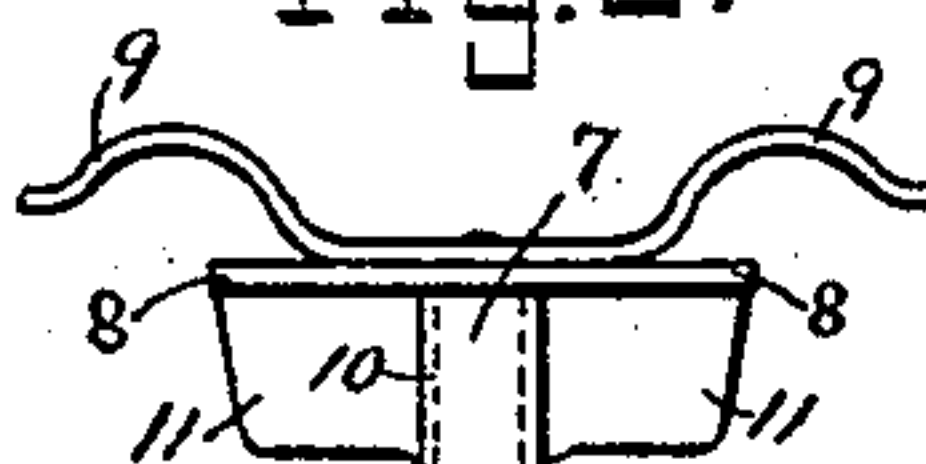


Fig. 8.

Witnesses.

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TALBOT WATSON, OF BALTIMORE, MARYLAND.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 396,445, dated January 22, 1889.

Application filed May 19, 1888. Serial No. 274,396. (No model.)

To all whom it may concern:

Be it known that I, TALBOT WATSON, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Detachable Buttons; and I do 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in detachable buttons for cuffs, collars, and other like parts of wearing-apparel, the construction of the device permitting it to be easily inserted in the button-hole and secured therein, the locking mechanism of the device further serving to protect the button-hole and preserve the proper form thereof, all of which I accomplish by the devices hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 shows a part of a cuff in section, in the button-holes of which is inserted the button, the button being shown in full and in position for insertion. Fig. 2 shows a sectional view of the cuff, the section being indicated by the line *xx* in Fig. 1, the button shown in full and having been turned at a right angle to the line of the button-hole and locked therein. Fig. 3 is a view in full of the detached button in the position shown in Fig. 1, looking at a right angle to the view therein shown. Fig. 4 is an enlarged view of the button as shown in Fig. 1, shown partly in section. Fig. 5 is an enlarged detail view, looking on the under side of the button, the locking mechanism removed and showing the slots in the top and the form thereof. Fig. 6 is an enlarged detail view of the locking device, looking on the under side thereof. Fig. 7 is an enlarged detail view of the locking device, looking on the top thereof. Fig. 8 is an enlarged side elevation of the locking device.

The same figures refer to the same or similar parts throughout the several views.

The number 2 denotes the top of the button, the upper or exposed surface of which

may be made of any desired form, the under surface, 3, having therein the slots or grooves 4 and 14, which are formed on the underside of the top 2 in the manner illustrated in Fig. 5, the said slots being placed at right angles one to the other and extending, respectively, the length and breadth of this under surface, 3. Attached to the top 2 is the shank 5, which terminates in the T-shaped bottom 6, the said shank 5 being of a cylindrical form, for a purpose which will presently appear.

In order to secure the button in position and likewise protect the button-hole, the locking device 7 is provided, which is placed between the top 2 and the bottom 6, and is free to be rotated on the shank 5, the said locking device consisting of the disk 8, on the upper surface of which is secured the double spring 9, the free ends of which engage with the slots 4 and 14, by which the relative positions of the button and its locking mechanism are maintained. On the under side of the disk 8 is the boss or hub 10, which provides a suitable bearing for the locking mechanism in its rotating movement on the shank 5, the under side of this disk 8 being provided with the wings 11, which are connected to this under side and to the hub 10 in the manner represented in Figs. 6 and 8.

The manner of operating is as follows: To insert the button in the button-hole 12 of the cuffs 13, the locking device 7 is turned so that the wings 11 thereof will be in line with the bottom 6 of the button, which position is shown in Figs. 1, 3, and 4, and which position will be maintained by the free ends of the spring 9 engaging with the slots 4 of the top 2, and whereby the bottom 6 and wings 11 will be in line with each other, and the button may be easily inserted in the button-hole, after which the top 2 of the button is turned at a right angle to the first position, and the bottom 6, being moved thereby, will be placed at right angles with the wings 11 of the locking device, which have been held to the first position by the button-hole 12. The movement of the top 2 having released the spring 9 from the slot 4 and causing it to engage with the slots 14, whereby the locking device 7 will be securely held in the locked position, as shown in Fig. 2, the wings 11 further serving to hold the button-holes in line one with the other, the

said wings filling the entire space in the hole and preventing any movement therein and consequent abrasion thereto. When it is desired to detach the button, the bottom 6 is
5 brought in line with the wings 11 by turning the top 2, when the spring 9 will be released from the slots 14 and engage with the slots 4, when the button may be withdrawn and will be in position for insertion.

10 Having described my invention and the manner of operating, what I claim, and desire by United States Letters Patent, is—

In a button, the combination of the top 2,

provided with slots on the under side thereof, a shank, 5, a bottom, 6, said bottom being in 15 the form of a T, and a locking device consisting of a disk with springs on the top thereof, and wings on the under side thereof, said locking device being free to rotate on the said shank, for the purpose set forth. 20

In testimony whereof I affix my signature in presence of two witnesses.

TALBOT WATSON.

Witnesses:

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