

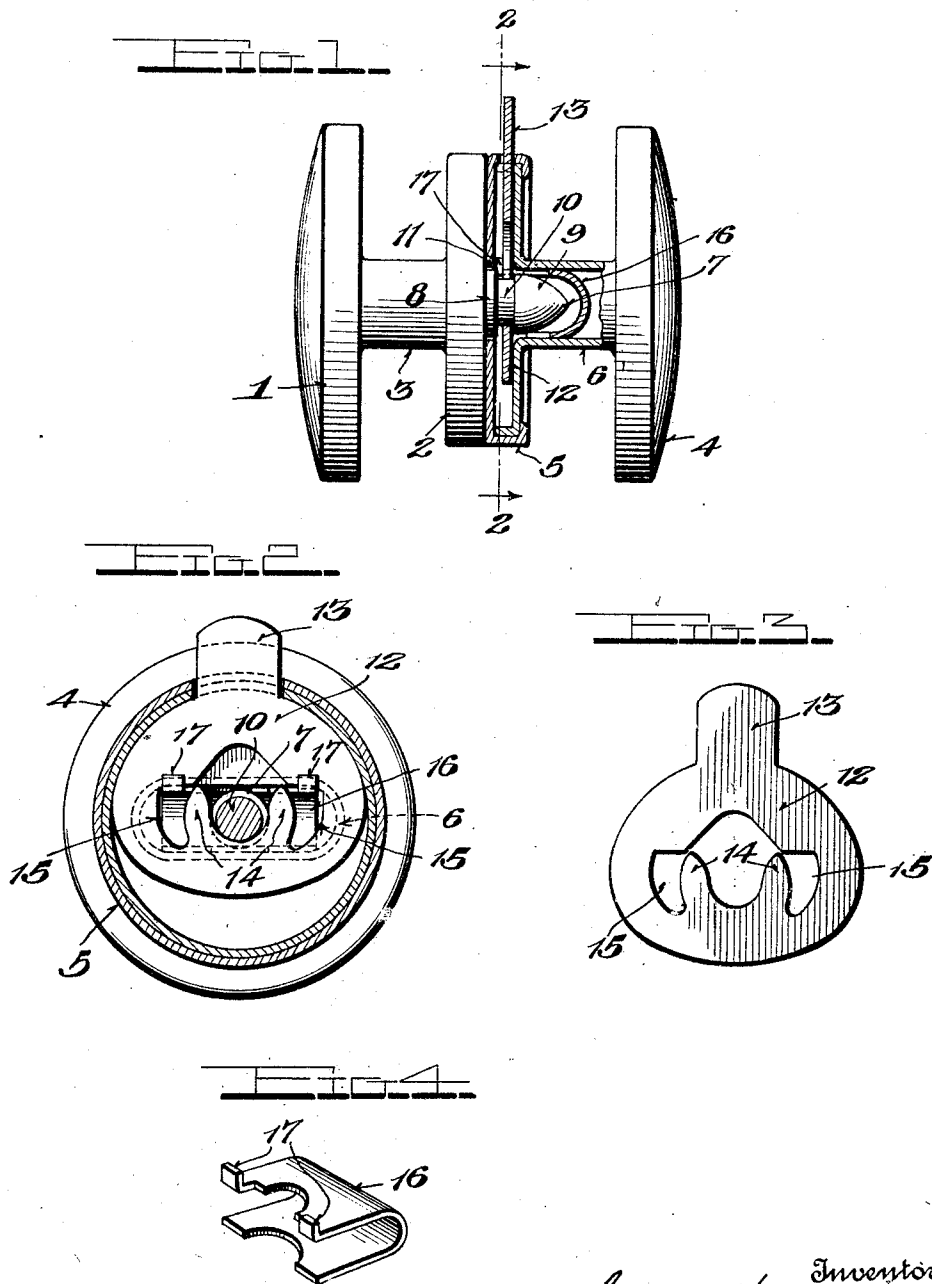
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CUFF BUTTON

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UNITED STATES PATENT OFFICE.

LESSER SAMUELS, OF NEW YORK, N. Y.

CUFF BUTTON.

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To all whom it may concern:

Be it known that I, LESSER SAMUELS, a citizen of the United States, residing at New York, in the county of New York and State of New York, having invented new and useful Improvements in Cuff Buttons, of which the following is a specification.

This invention relates to certain new and useful improvements in cuff buttons, and the primary object of the invention is to provide a button which is of simplified construction and wherein the head of the male member has a two-point engagement with the female member, to thus increase the effectiveness of the locking action.

A still further object of the invention, is to provide a button wherein the parts are compactly related and but one latch operator, is employed, thereby to enable the button to be more easily placed in the cuff.

The invention still further aims to provide a simplified form of latch and tensioning spring therefor and to also reduce the number of parts.

With the above and other object in view, as will be later herein pointed out and manifested in the course of the following description, the invention resides in the structure and combination of the parts, now to be more fully described and later claimed.

In the drawings:—

Figure 1 is a side elevation, partly broken away and in section, showing the assembled button;

Figure 2 is a section on line 2—2 of Figure 1,

Figure 3 is a plan view of the latch, and

Figure 4 is a perspective view of the spring.

In proceeding in accordance with the present invention, a pair of members are employed the male member having an outer head 1 and an inner head 2 connected by a shank 3, while the female member has a similar outer head 4, and an inner head 5 connected by a hollow shank 6.

The male member has a stud 7 projecting outwardly from its inner head 2, the stud having a circular part 8 and a head 9 spaced from the circular part 8 to form a groove 10.

The inner head 5 of the female member is formed in its outer face with a circular recess or opening 11, in which the circular part 8 is conformably received, while the head 9 projects within the interior of the hollow shank 6. A latch plate 12 is slidably

disposed in the outer head 5 of the female member and is provided with a finger piece 13 that projects exteriorly of the head 5. The latch plate 12 is further formed with a pair of opposed arms 14, that embrace the stud 7 in the annular groove 10 thereof and is further formed with openings 15. A plate spring 16 of substantially U-shape is disposed in the hollow shank 6 of the female member of the button and has a pair of fingers 17 which project through the openings 15 of the latch plate and engage the adjacent wall resultant from the formation of the openings so as to tension the latch plate to cause the arms 14 to normally have latching engagement with the stud 7.

From the foregoing it will be apparent that by merely forcing the head 9 into engagement with the latch plate, the latter will be moved against the action of the spring to allow the head to pass the latch, whereupon the latch will be moved by the spring to latching engagement with the stud. In this position of the parts, the circular part or abutment 8 will seat in the opening 11 and will afford a two-point engagement of the parts, the latch itself affording the second point.

By virtue of but one finger grip being employed, the button may be more easily and conveniently applied to the cuff. It will be further seen that but two movable parts are employed, namely the spring and the latch and that a very strong and serviceable spring is provided which latter is housed by the shank of the female member, and accordingly may be made large and of durable size.

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

1. In a cuff button, a male member having connected inner and outer heads, a stud carried by the inner head and having a circular part and a head spaced therefrom, a female member having an inner and an outer head and a hollow shank connecting the latter heads, the inner head of the female member having an opening in its outer face to receive said circular part of the stud, a latch plate slidable in the head of the female member and having opposed arms to embrace the stud and to engage between the head and said circular part thereof, said latch plate having a single operating part projecting outwardly beyond the inner head

of the female member and a substantially U-shaped plate spring in the hollow shank of the female member having fingers engaged with the latch plate to normally hold the arms of the latch plate in latching engagement with the stud.

2. In a cuff button, a male and a female member, each having connected inner and outer heads, a stud carried by the male member and having a head and a part of greater diameter than that of the stud projecting outwardly from the inner head of the male member, said inner heads of the members being formed to abut and the outer face of the inner head of the female member being formed with an opening to receive the said part of the stud, and latching means for the stud carried by the female member.

3. In a cuff button, a male member having a stud, and a female member formed to receive the stud and having a hollow shank, a latch for the stud carried by the female member, and a substantially U-shaped spring for tensioning the latch disposed in said hollow shank, and formed to receive the outer end of the stud therein.

4. In a cuff button, a male member having a stud, and a female member formed to receive the stud and having a hollow shank, a latch for the stud carried by the female member, and a substantially U-shaped spring for tensioning the latch disposed in said hollow shank, and having its arms engaged with the walls of the shank so as to have outward movement thereof restricted by said walls.

5. In a cuff button, a male member having a stud, and a female member formed to receive the stud and having a hollow shank, a latch for the stud carried by the female member, and a substantially U-shaped spring for tensioning the latch disposed in said hollow shank, said spring having its arms engaged with the walls of the shank so as to have outward movement thereof restricted

by said walls, said latch having an apertured part and the free end of one of the arms of the spring being engaged in the apertured part so as to tension the latch.

6. In a cuff button, a male member having a stud, and a female member formed to receive the stud and having a hollow shank, a latch for the stud carried by the female member, and a substantially U-shaped spring for tensioning the latch disposed in said hollow shank, said latch having an apertured part and one of the arms of the spring having fingers engaged in said apertured part.

7. In a cuff button, a male member having a stud, and a female member having a head formed to receive the stud, a slidable latch in the female member having an apertured part, and a U-shaped spring disposed at substantially right angles to the plane of the latch and having one arm thereof engaged in the apertured part.

8. In a cuff button, a male member having a stud, and a female member having a head formed to receive the stud, a slidable latch in the female member, and a spring formed independent of the latch and disposed at substantially right angles to the latch and having an arm engaged with the latch.

9. In a cuff button, a male member having a stud, and a female member formed to receive the stud and having a hollow shank, a latch for the stud carried by the female member, and a spring in the shank formed independent of the latch and disposed at substantially right angles to the latch to tension same.

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

LESSER R. SAMUELS.

Witnesses:

P. A. SIMON,
LEON WORMS.