

(No Model.)

W. S. GODFREY.
BUTTON.

No. 519,946.

Patented May 15, 1894.

Fig. 1.

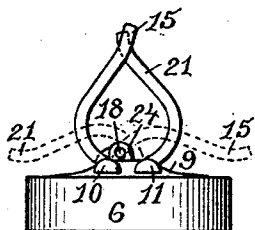


Fig. 2.

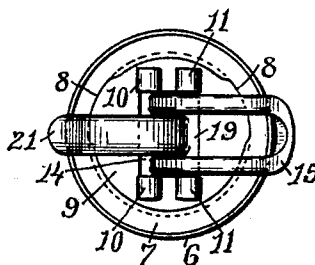


Fig. 3.

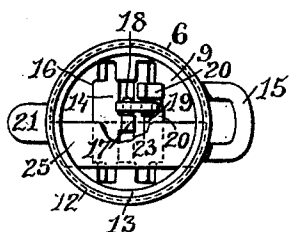
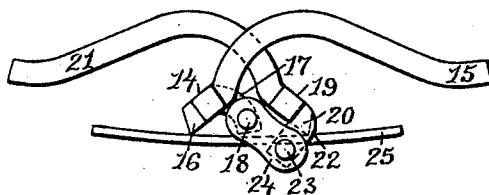


Fig. 4.



Fig. 5.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM S. GODFREY, OF PROVIDENCE, RHODE ISLAND.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 519,946, dated May 15, 1894.

Application filed July 5, 1892. Serial No. 439,001. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM S. GODFREY, of the city of Providence, in the county of Providence and State of Rhode Island, have
5 invented certain new and useful Improvements in Cuff-Buttons; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part
10 of this specification.

This invention has reference to improvements in that variety of cuff-buttons in which two oppositely-moving levers form the shoe or holding device by which the button is secured to a cuff or other article.
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The object of this invention is to produce a button, of the nature described, in which the movement of one lever will be transmitted to simultaneously move the other in an opposite direction without the use of gears.
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The further object of the invention is to produce a button which will be simple in construction and durable in operation.

The invention consists in the peculiar construction and arrangement of the various co-operating parts, as will be more fully described hereinafter and pointed out in the claim.
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Figure 1 represents a side view of the improved button showing the levers in the closed position and indicating their position when spread apart to secure the cuff. Fig. 2 represents a back view of the improved button, the levers being spread apart. Fig. 3 represents a front view of the same, portions thereof being broken away to more clearly show the inner construction. Fig. 4 is a sectional view through the head of the button. Fig. 5 represents an enlarged side view of the levers and their connecting and operating mechanism removed from the head.
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Similar numbers of reference designate corresponding parts throughout.

In the drawings 6 indicates the head of the button which is formed of sheet-metal, the face being ornamented in any suitable manner by a design engraved thereon, or by a stone set therein; this head 5 has an annular flange 7 portions of the inner edge of which
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50 are cut away at 8—8 to form stops into which

are fitted projections stamped from the plate 9 to prevent the independent rotation of the head 5. The plate 9 is stamped up to form a circular box, open at one side and having the other side slightly convex, the central portion of this convex side being cut away and the bearings 10—10 and 11—11 being bent up therefrom,—the lower edge of the plate 9 is bent inwardly to form the flange 12 against which the ring 13 is held. Journaled in the bearings 10—10 of the plate 9 are the square ends of the shaft 14 extending from which is the U-shaped curved lever 15; this shaft has also a bearing-shoulder 16 and a downward inwardly-extending arm 17 near the end of which is secured the pivot 18. The square ends of the shaft 19 are journaled in the bearings 11—11 of the plate 9, this shaft having a bearing-shoulder 20 and a curved lever 21 adapted to move between the curved arms of the U-shaped lever 15, and extending from the lower portion of the shaft 19 is an arm 22 near the end of which is secured the pivot 23,—this pivot 23 and that carried by the arm 17 being pivotally connected by the link 24. Bearing against the shoulders of the shafts 14 and 18 is a spring 25 the ends of which are supported by the ring 13, this spring having a tendency to support the levers 15 and 21 when the flat surfaces of the bearing-shoulders 16 and 20 are brought against the same. The box, formed from the plate 9, with the mechanism contained therein is secured in the head 6 of the button and is held between the inwardly-turned edge on the front of the same and the flange 8. It is evident that by lifting the free end of the lever 15 the link 24 will draw the lower end of the arm 22 upward, thus raising the free end of the lever 21,—when the levers are raised to the position shown in Fig. 1 they may be inserted through one or more button holes and a downward pressure on the free end of the lever 15 will throw both levers to the positions indicated by dotted lines in Fig. 1 and shown in full in the other figures, the spring 25 bearing against the shoulders 16 and 20 in such a manner as will hold the levers either when raised or depressed.
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Having thus described my invention, I

claim as new and desire to secure by Letters Patent—

In a cuff-button, the combination with the back 9 having bearings 10—10 and 11—11, 5 and containing a spring 25, of the levers 15 and 21 mounted on the shafts 14 and 19 journaled in said bearings, the longitudinal shoulders 16 and 20 curving inward from said shafts and having transverse pivots 18 and 23 and 10 bearing against the spring 25, arms 17 and 22

extending from said shafts, and a link 24 journaled on these pivots, as and for the purpose described.

In witness whereof I have hereunto set my hand.

WILLIAM S. GODFREY.

Witnesses:

JOSEPH A. MILLER, Jr.,

M. F. BLIGH.