

(No Model.)

A. LOOS.  
SEPARABLE COLLAR BUTTON.

No. 427,699.

Patented May 13, 1890.

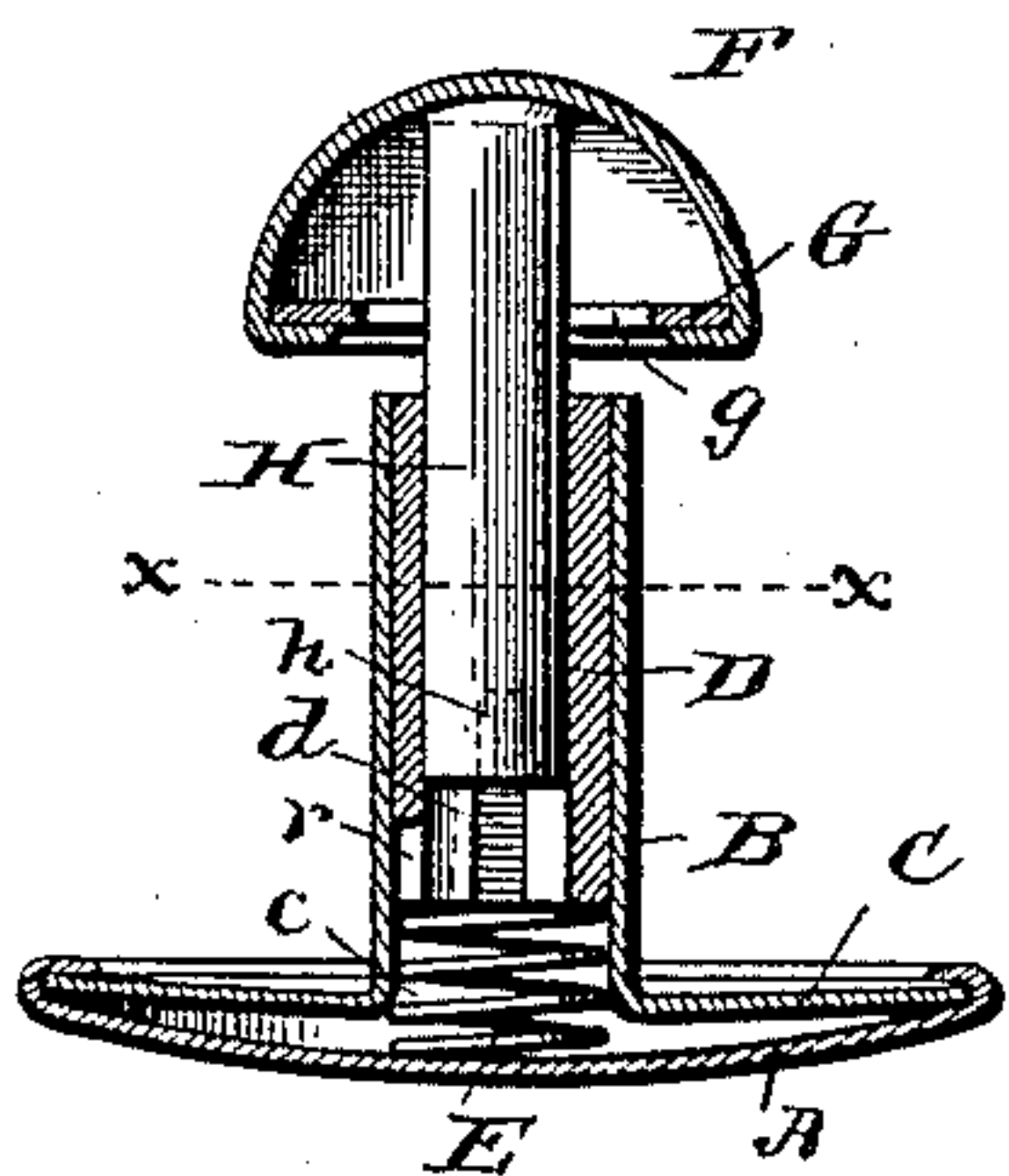


Fig. 1.

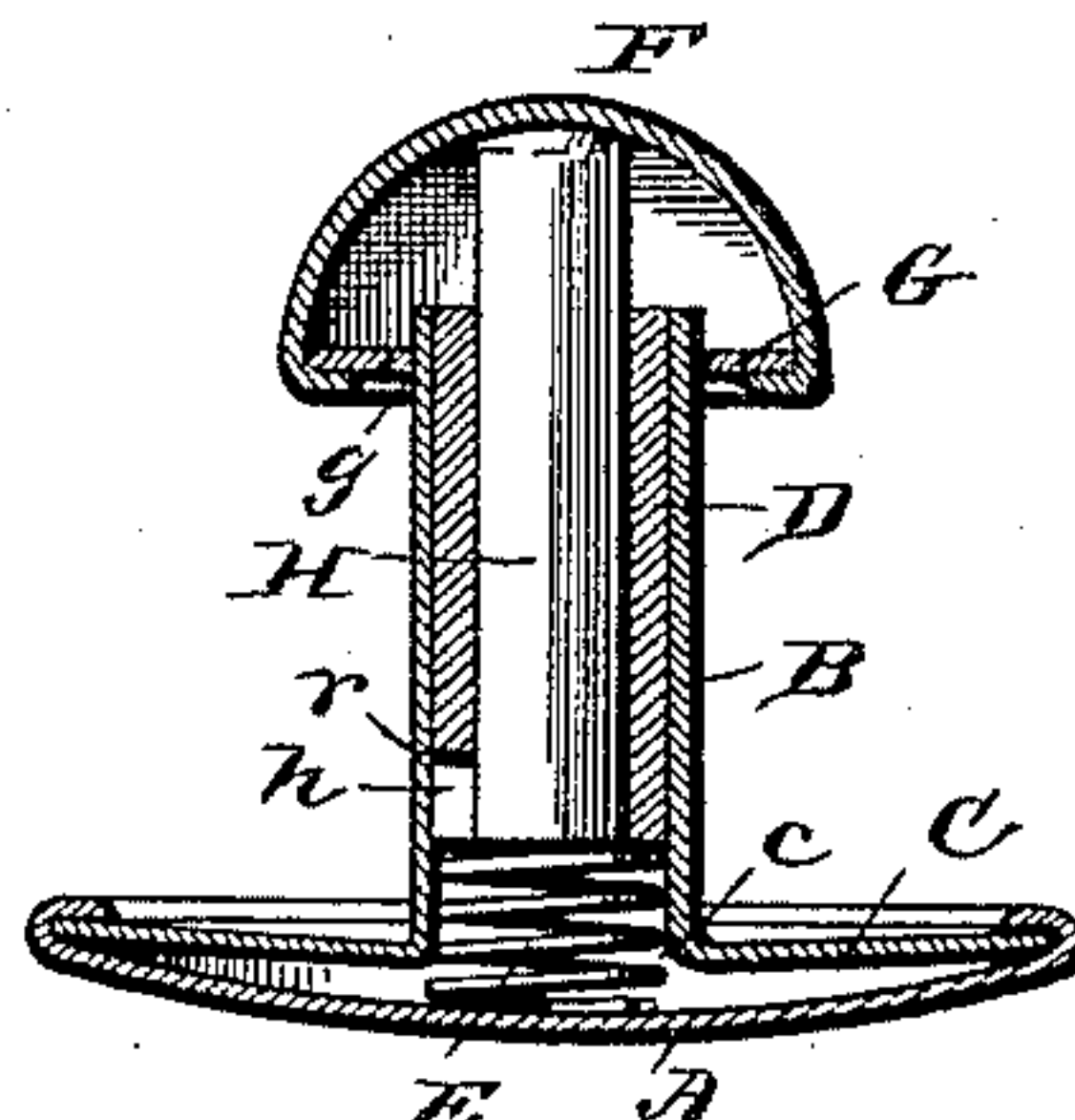


Fig. 2.

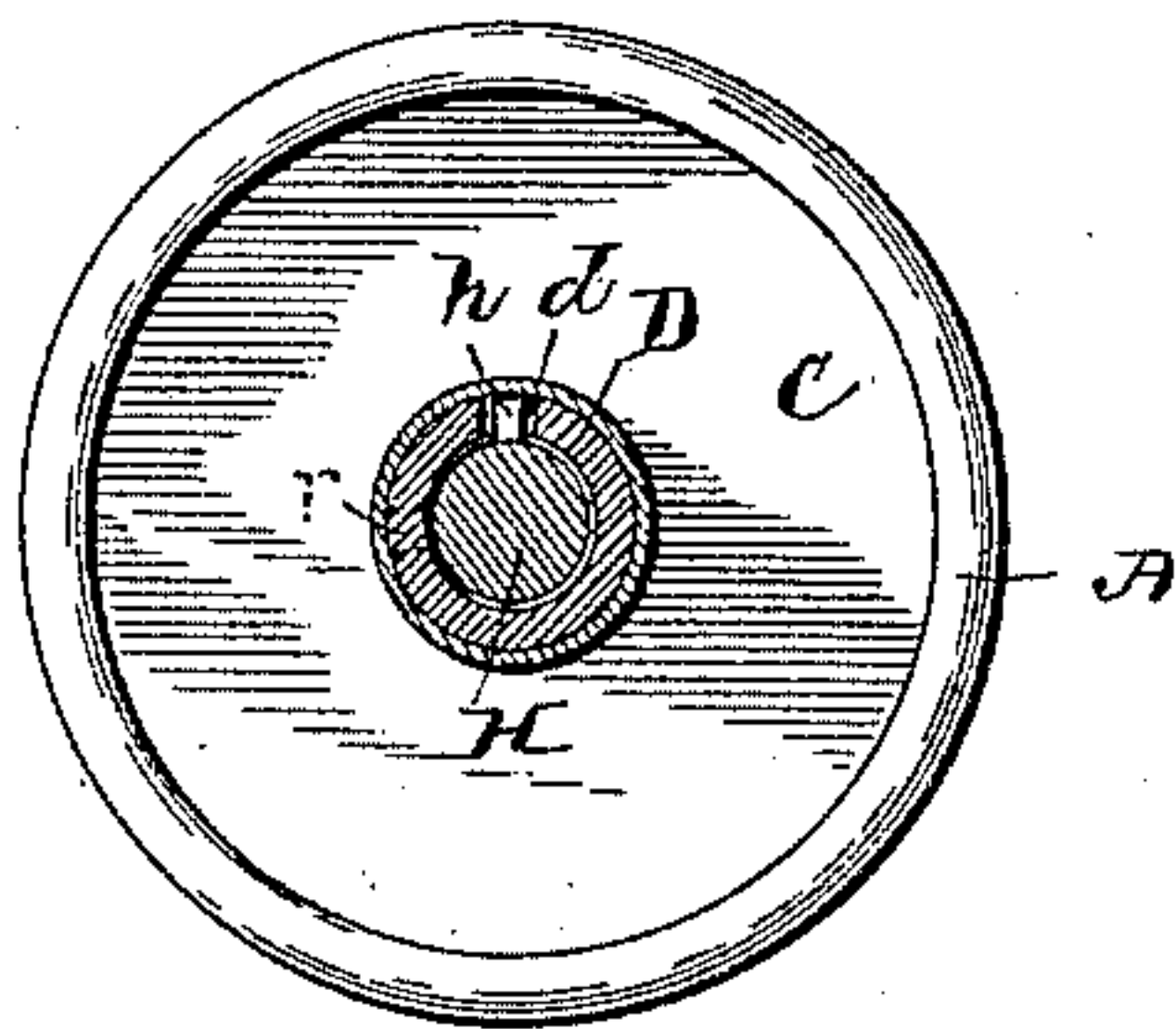


Fig. 3.

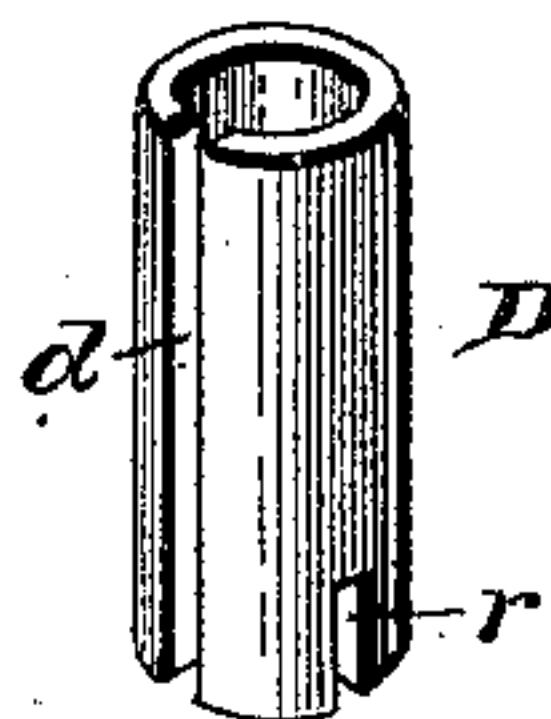


Fig. 4.

Witnesses

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# UNITED STATES PATENT OFFICE.

ADAM LOOS, OF TOLEDO, OHIO, ASSIGNOR OF ONE-THIRD TO JOSEPH W. FLOWERS, OF SAME PLACE.

## SEPARABLE COLLAR-BUTTON.

SPECIFICATION forming part of Letters Patent No. 427,699, dated May 13, 1890.

Application filed March 10, 1890. Serial No. 343,336. (No model.)

*To all whom it may concern:*

Be it known that I, ADAM LOOS, of Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in a Separable Collar-Button; and I do hereby declare that the following is a full, clear, and exact description of the invention, which 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 of reference marked thereon, which form part of this specification.

My invention relates to an improved separable collar-button; and it has for its object the production of a button of this class which will be of simple construction and whose parts can be readily put together and taken apart.

The invention will first be described in connection with the accompanying drawings, and then pointed out in the claim.

Figure 1 of the drawings is a vertical section of the button, showing the key in the keyway prior to being turned into the recess in the inner tube to lock the parts together. Fig. 2 is also a vertical section of the button, showing the parts locked together. Fig. 3 is a horizontal section of the button, taken on the line *x x* in Fig. 1. Fig. 4 is a perspective view of the inner tube.

A is the base-plate or shoe stamped up into a slightly-concave form from any suitable metal.

B is the outer tube of the shank, which is formed integral with or suitably attached to a disk C, held in place within the shoe by the overlapping edge of the latter, the disk having a central opening *c* where the tube joins it.

D is the inner shank-tube, which is fitted within and secured to the tube B. As will be seen in Fig. 4, it is slotted longitudinally throughout its length, as at *d*, to form a keyway, and in its inner end, to one side of slot *d*, there is formed a recess *r*, for a purpose hereinafter stated. The inner tube is somewhat shorter than the outer tube, but their outer ends are flush, and a coil-spring E

bears at one end against the inner end of tube D and at its other end against the shoe A, it being held in place by the outer tube, as seen in Figs. 1 and 2.

F is the cap, struck up from any suitable metal into a hollow half-round form, and G is a disk covering the open side of the cap, it being secured to overlapping flanges on the latter. In the center of this disk there is a perforation *g*, of just sufficient size to permit the entrance therethrough of the outer end of the shank, as seen in Fig. 2. Within the cap is secured the outer end of a solid post H, on the free end of which is formed a laterally-projecting lug *h*, termed the "key." The post H is of a size to fit neatly within the inner tube of the shank.

In putting the separable parts of the button together the post is inserted within tube D, with the key *h* in the keyway *d*. The post is then pressed inward until it comes into contact with and compresses the spring, by which time the key will have passed below the lower end of the inner shank-tube, and then the post is turned until the key registers with the recess *r* in said tube, when the spring will force the post outward, carrying the key into the recess, and thus locking the parts together. The manner of separating the parts is obvious without description.

It will be observed that in my improved collar-button the shank presents an outer surface unbroken by slots or perforations of any kind. Furthermore, the post snugly fits within the shank, and when the parts are locked together the outer end of the shank is firmly held within the cap, thereby rendering the parts rigid with respect to each other.

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

In a separable collar-button, the combination, with the shoe, of an outer shank-tube secured to the shoe, an inner shank-tube, shorter than the outer tube, secured within the latter and slotted and recessed, as described, a spring bearing against said inner



tube, a hollow cap provided at its rear side  
with a disk perforated to receive the end of  
the shank, and a post secured within the  
cap and provided on its free end with a lat-  
5 erally-projecting key, substantially as de-  
scribed.

In testimony that I claim the foregoing as

my own I hereby affix my signature in pres-  
ence of two witnesses.

ADAM LOOS.

Witnesses:

WILLIAM WEBSTER,  
ANNA J. LEHANEY.