

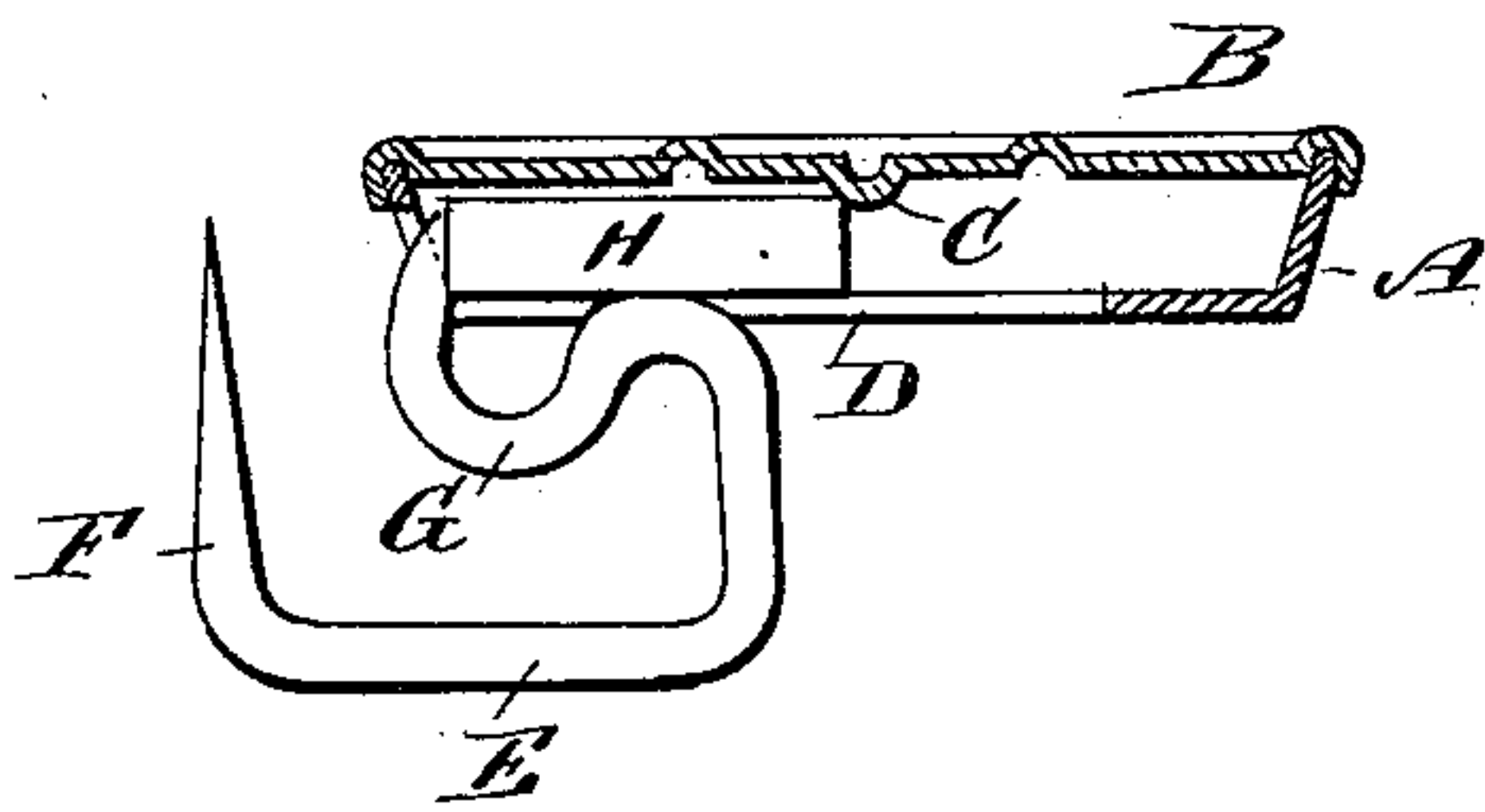
(No Model.)

A. HALL.  
BUTTON FASTENER.

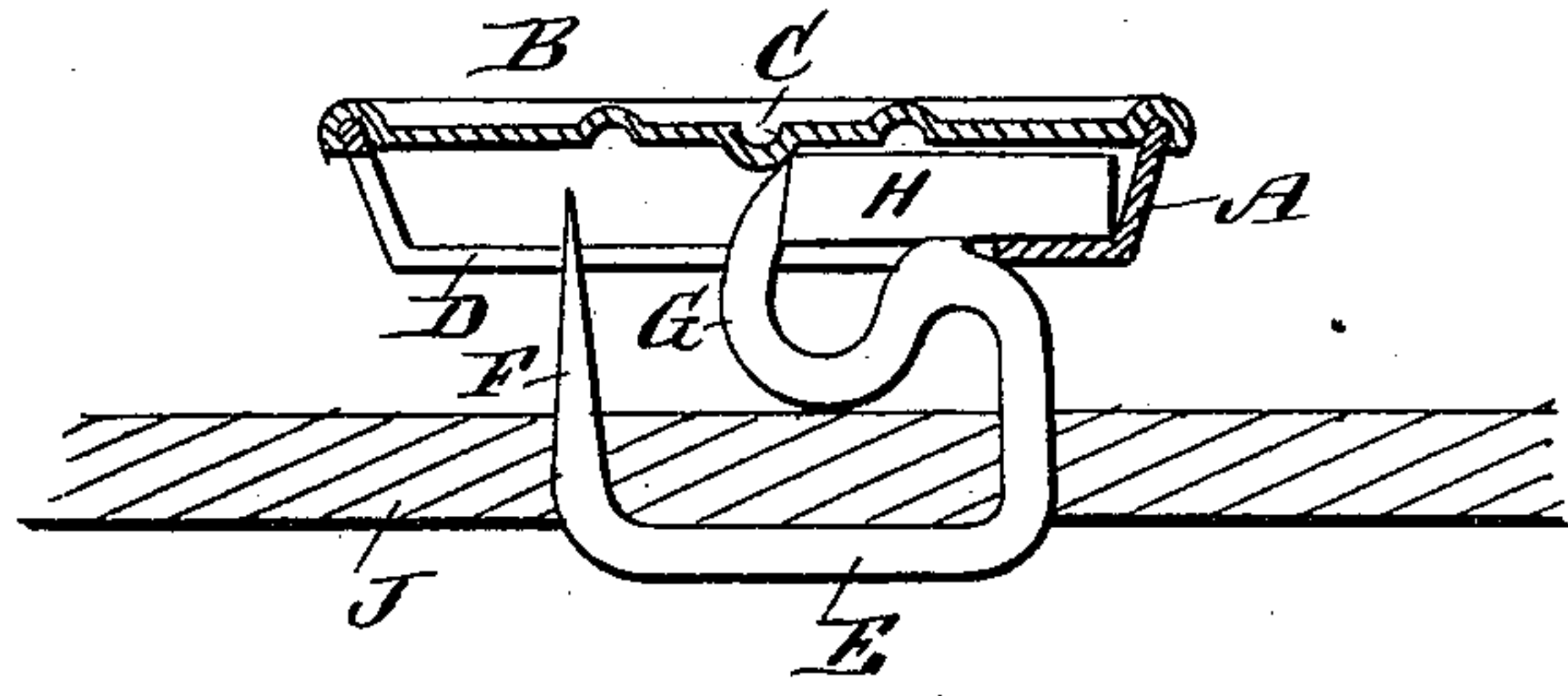
No. 351,437.

Patented Oct. 26, 1886.

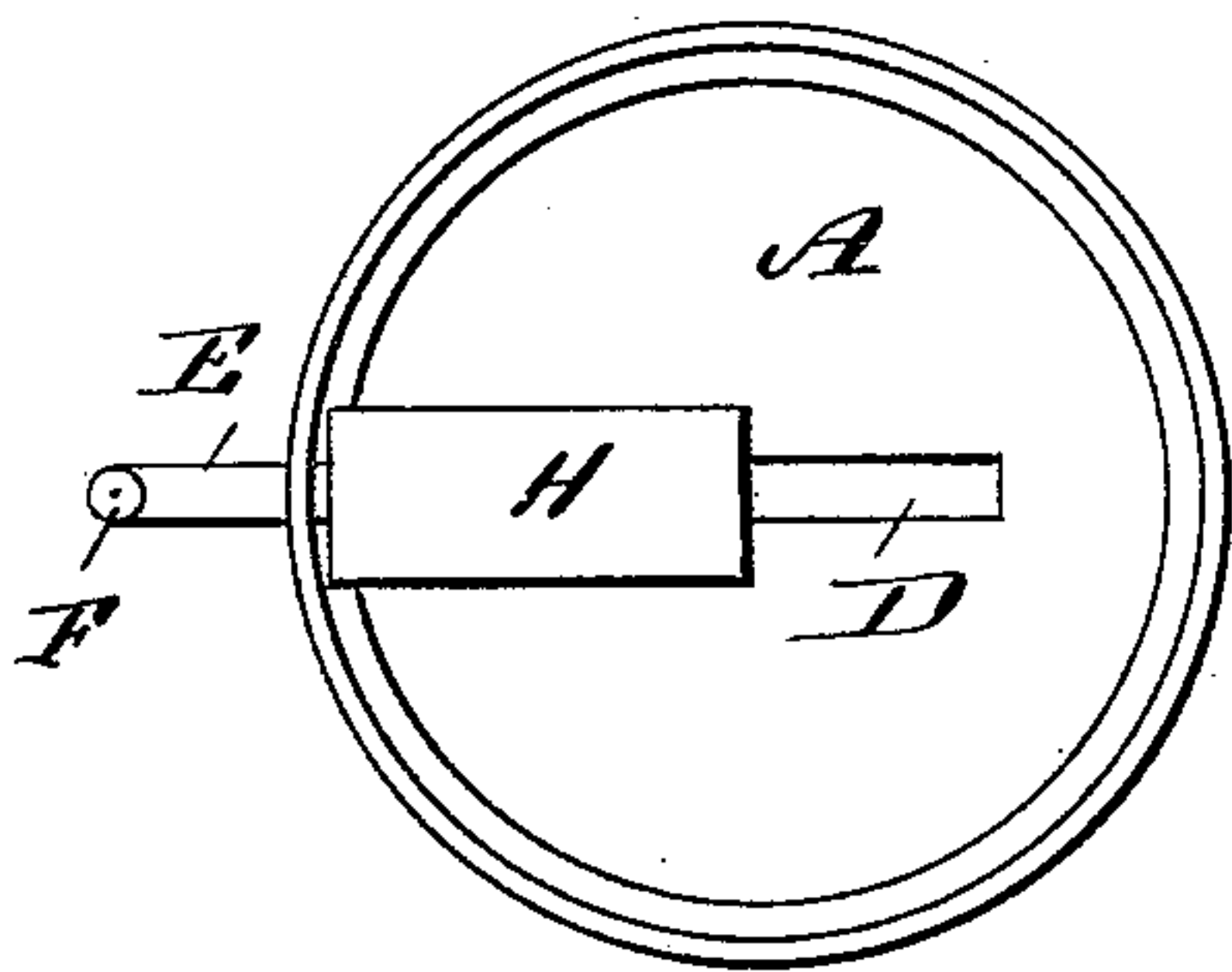
*Fig. 1.*



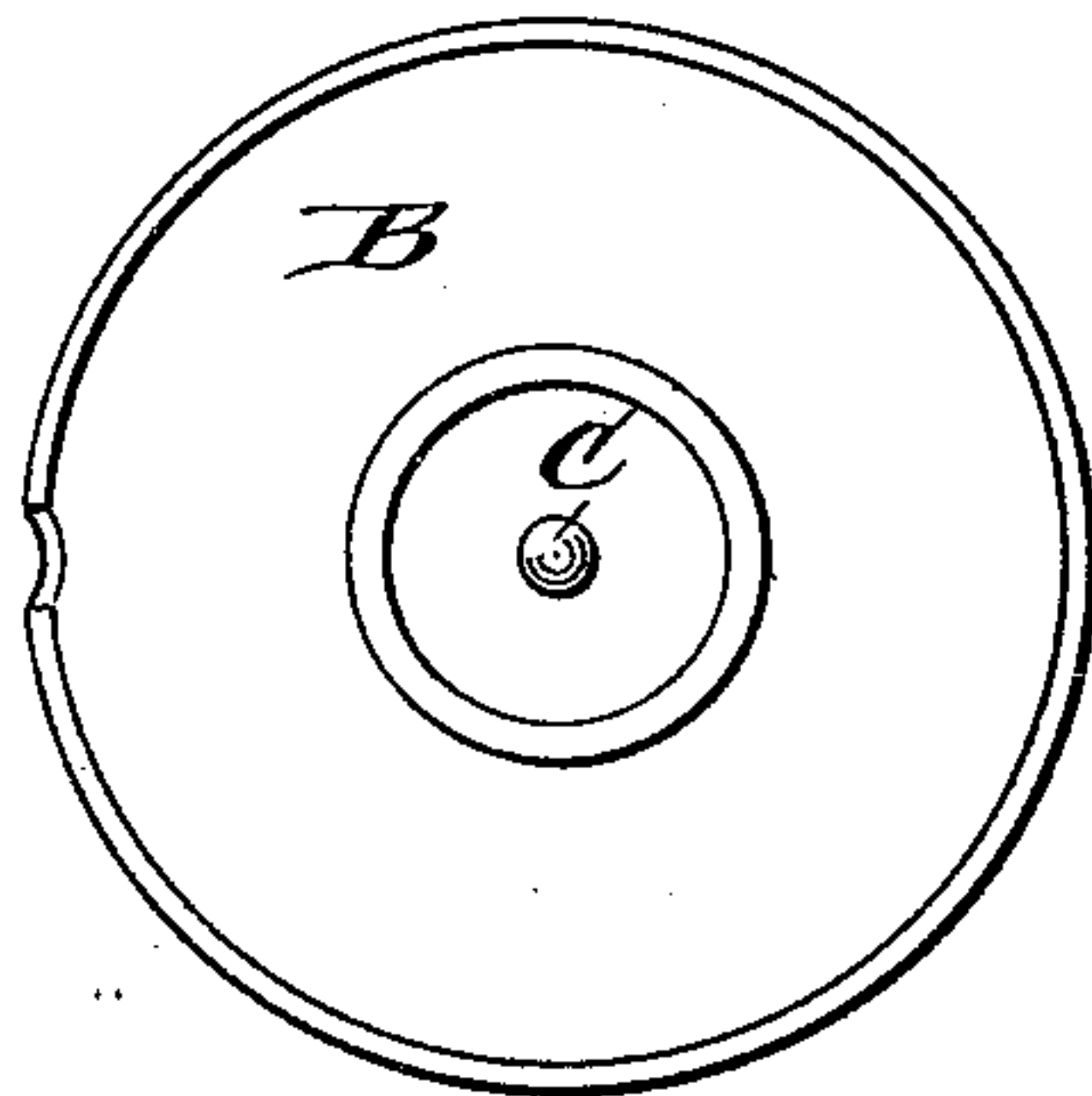
*Fig. 2.*



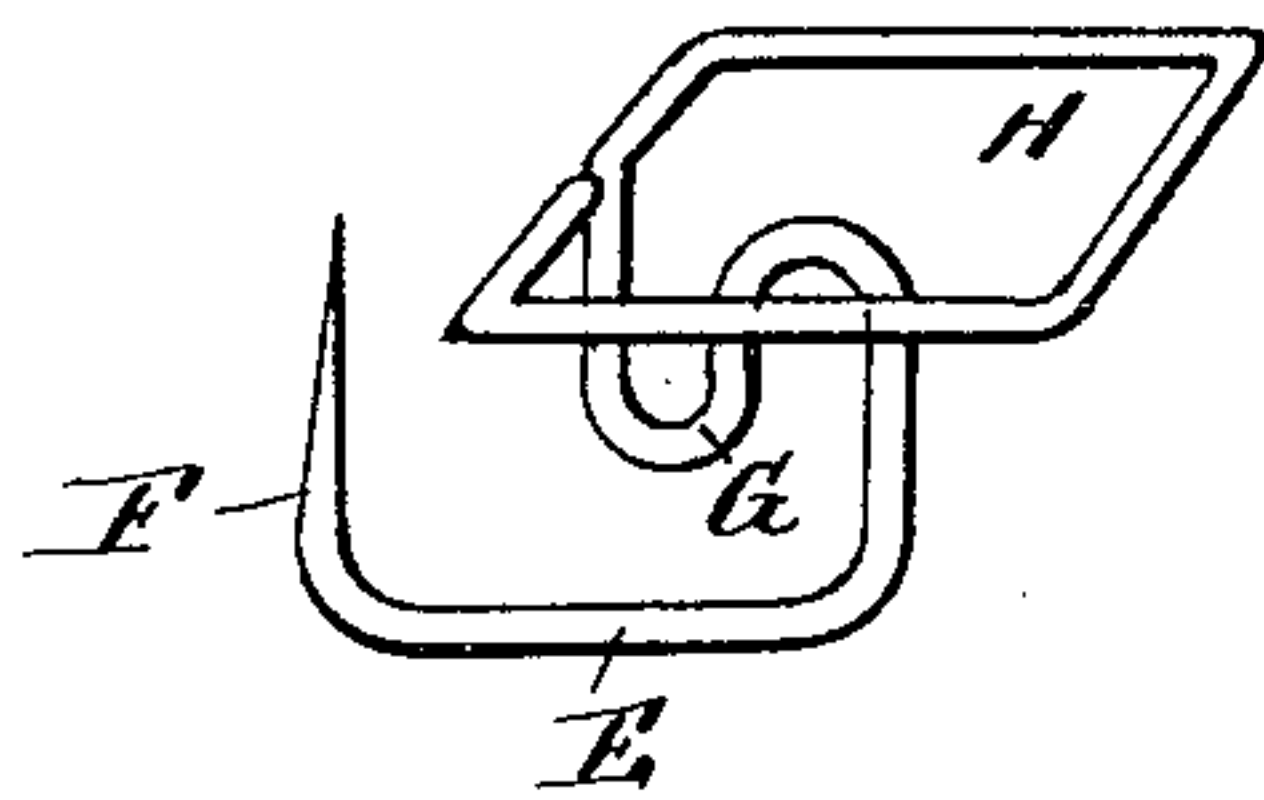
*Fig. 3.*



*Fig. 4.*



*Fig. 5.*



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# UNITED STATES PATENT OFFICE.

ALBERT HALL, OF BROOKLYN, NEW YORK.

## BUTTON-FASTENER.

SPECIFICATION forming part of Letters Patent No. 351,437, dated October 26, 1886.

Application filed January 13, 1886. Serial No. 188,452. (No model.)

*To all whom it may concern:*

Be it known that I, ALBERT HALL, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Button-Fasteners, of which the following is a specification.

The object of my invention is to provide a new and improved button-fastening which is simple in construction, and which can be used a number of times for fastening buttons, and which holds and fastens the button securely.

The invention consists in the construction and combination of parts and details, as will be fully described and set forth hereinafter, and then pointed out in the claims.

In the accompanying drawings, forming a part of this specification, and in which like letters of reference indicate like parts, Figure 1 is a longitudinal sectional view of a button provided with my improved fastening, the same being open. Fig. 2 is a similar view of the same, the fastening being closed. Fig. 3 is a top view of the button and fastening, the top plate being removed. Fig. 4 is a top view of the button. Fig. 5 is a detail perspective view of a modified construction of the hook of the fastening.

On the shell A of the button the top plate, B, is held in any well-known manner, said plate being made of spring material—such as sheet metal, for example—and said top plate is provided at its center with a projection, C, on the under side, said projection being formed by pressing down some of the metal of said top plate at the center or in any other manner. The said shell A or bottom plate of the button is provided with the slot D, extending from the rim to a point a short distance beyond the center of said shell.

The fastening-hook E, which is U-shaped, has the prong F pointed, and the other prong terminates in the rounded or curved part G, at the upper end of which the widened part H is formed, which must be wider than the slot D, and which may consist of a plate soldered on the end of the part or formed by flattening the upper end of the wire forming the part G; or the wire can be bent to form a square or like figure, as shown in Fig. 5. In all cases the part H must be of such width that it cannot be passed through the slot D. As shown in

Fig. 2, the slot D also extends through the upturned edge of the shell A.

The button is fastened in the following manner: The widened part H of the fastening-hook is moved toward the rim of the shell until the outer end of said part H rests against the side of the shell, as shown in Fig. 1, when the inner end of the part H rests against the projection C, and is thus prevented from shifting in the shell. The point of the prong F of the hook E is then beyond the edge or rim of the shell A, and can be passed into or through the fabric J in the manner shown in Fig. 2. Then the wider part H of the fastening-hook is moved toward the center of the shell, and thereby the point on the prong F is passed into the slot D, and the projection C rests against that end of the widened part H at which said part is connected with the fastening-hook, whereby the fastening-hook is locked in place. The spring-tension in the top plate causes the projection C to hold the fastening-hook in place under ordinary circumstances, but permits of moving the hook when sufficient power or force is applied to overcome the tension of said top plate.

The buttons can be fastened very easily and rapidly, and can be removed when necessary without destroying the fastening.

I disclaim all matter claimed in the application, Serial No. 187,109, filed December 30, 1885, by me for an improved button-fastener.

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

1. A button provided with a sliding fastening-hook, which has its upturned pointed end adjacent to the under side of the button, substantially as herein shown and described.

2. A button provided with a sliding fastening-hook on its bottom, the said hook having one end turned up and pointed, which point is adjacent to the under side of the button, and the other end of the hook being provided with a widened part, to give the hook a good and firm bearing on the under side of the button, substantially as herein shown and described.

3. The combination, with a button provided in its bottom with a slot extending from the rim beyond the center, of a fastening-hook passed through said slot, and having a widened part formed on its inner end, which widened



part is mounted to slide on the slotted bottom within the button, the outer end of the hook being turned up and pointed, substantially as herein shown and described.

5. 4. The combination, with a button having a slot in its bottom extending from the rim beyond the center, and provided with a projection on the under side of the top plate at the center, of a fastening-hook passed through the

slot in the bottom, and provided at its inner end with a widened part, which is mounted to slide between the top and bottom plates of the button, substantially as herein shown and described.

ALBERT HALL.

Witnesses:

F. C. THOMPSON,

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