

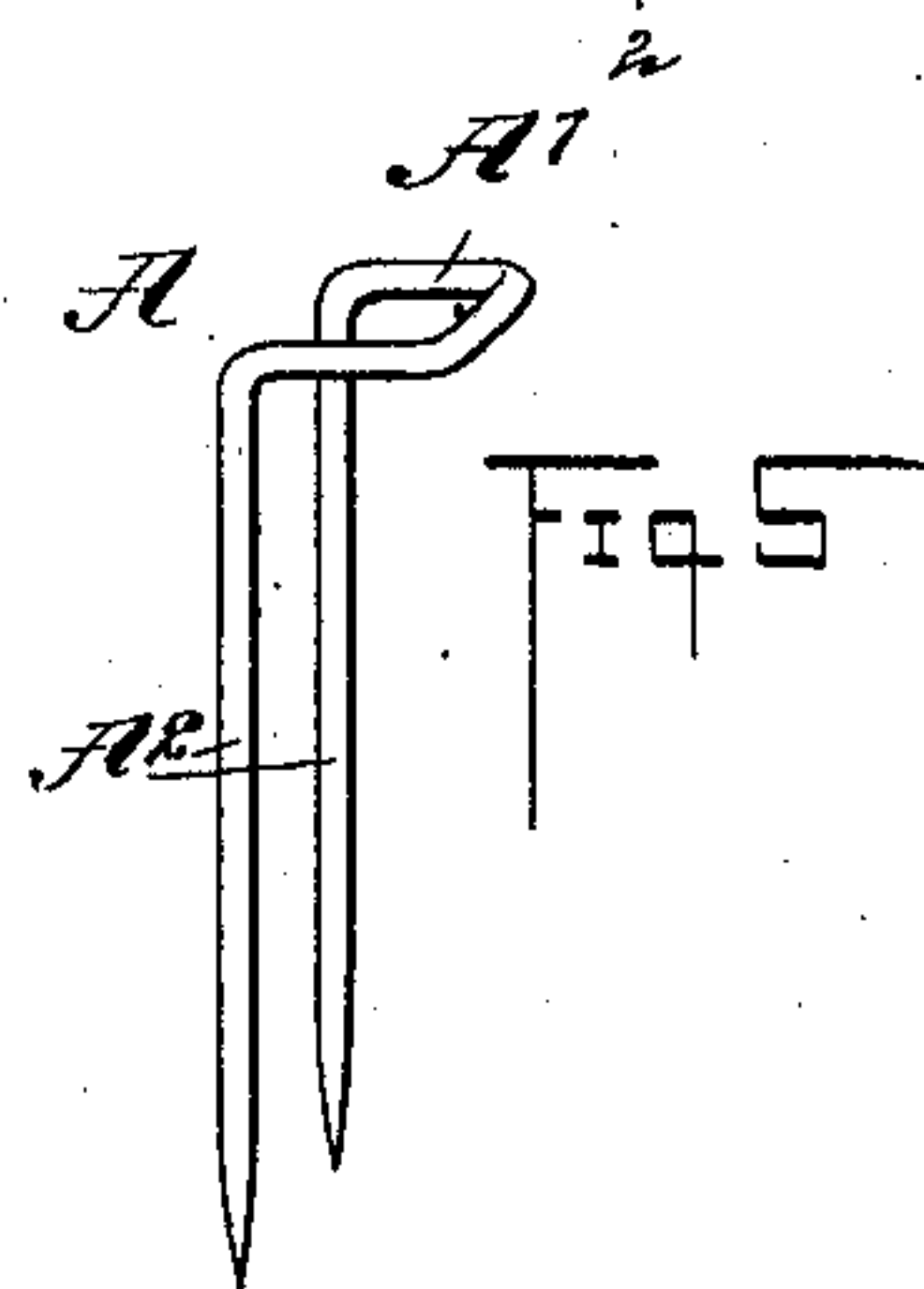
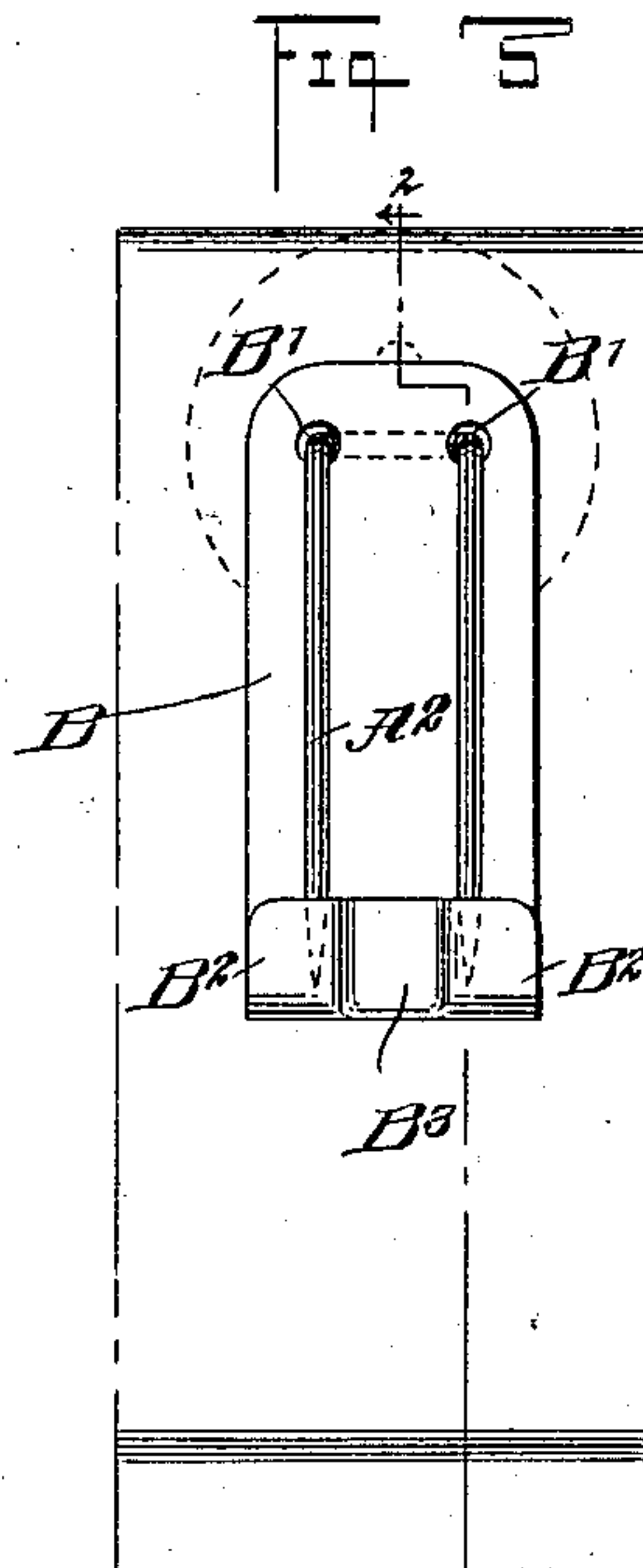
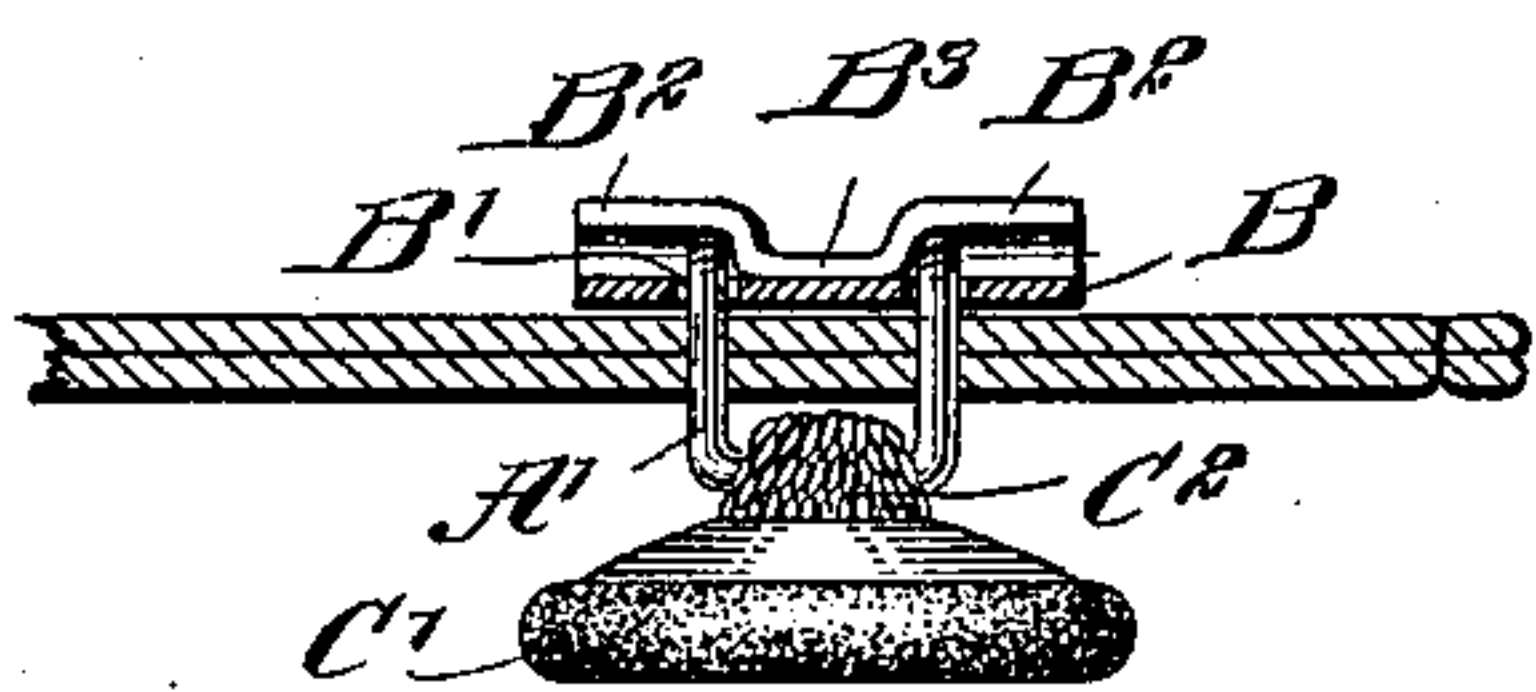
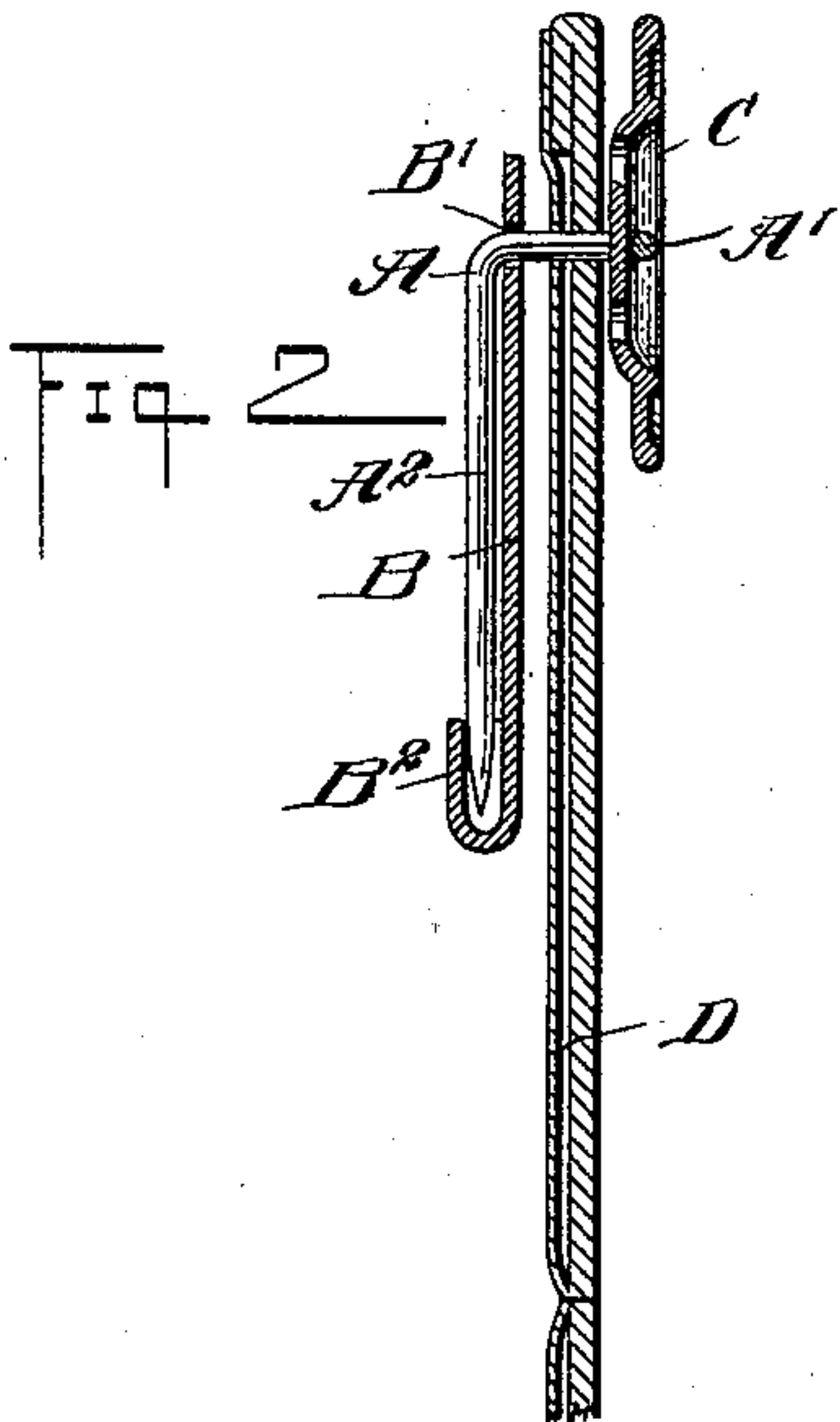
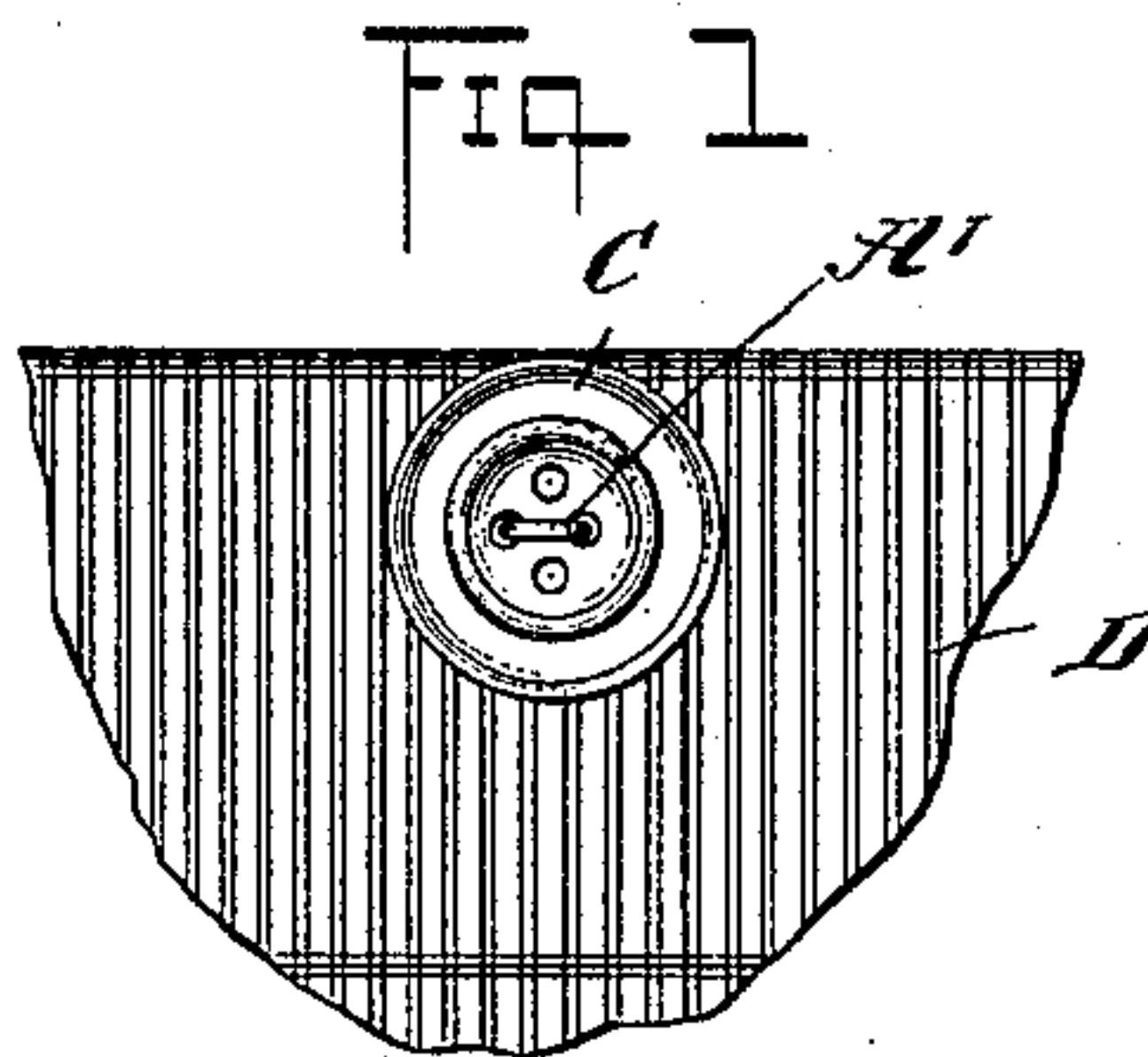
No. 687,028.

Patented Nov. 19, 1901.

H. G. C. HÖRNING.
BUTTON FASTENER.

(Application filed May 16, 1901.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

HERMANN G. C. HÖRNING, OF ASTORIA, NEW YORK.

BUTTON-FASTENER.

SPECIFICATION forming part of Letters Patent No. 687,028, dated November 19, 1901.

Application filed May 16, 1901. Serial No. 60,463. (No model.)

To all whom it may concern:

Be it known that I, HERMANN G. C. HÖRNING, a subject of the Emperor of Germany, and a resident of the city of New York, (Astoria, borough of Queens,) in the county of Queens and State of New York, have invented a new and Improved Button-Fastener, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved button-fastener which is simple and durable in construction, readily applied to securely fasten a button in place on a garment without danger of tearing the latter under an ordinary strain, and arranged to permit of using the fastener on cloth or apertured buttons.

The invention consists of novel features and parts and combinations of the same, as will be fully described hereinafter and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a front elevation of the improvement as applied to an apertured button. Fig. 2 is an enlarged transverse section of the same on the line 2 2 in Fig. 3. Fig. 3 is a rear elevation of the same. Fig. 4 is a sectional plan view of the improvement applied to a cloth button, and Fig. 5 is a perspective view of the pin.

The button-fastener consists, essentially, of a pin A and a retaining-plate B, of which the pin A is formed with a U-shaped head A', adapted to engage either the apertures in the button C or the cloth-shank C' in a cloth button C', as shown in Fig. 4. The ends of the head A' terminate in shanks A², standing at an angle to the head A', the shanks being parallel and terminating in points, as plainly indicated in Fig. 5. The retaining-plate B, of metal or other suitable material, is formed near one end with apertures B' for the passage of the shanks A² and the ends or side arms of the head A', as is plainly illustrated in Fig. 2, and on the other end of said retaining-plate B are formed point-retaining means B², preferably in the form of guards formed by the doubled-up end of the plate B,

the middle portion B³ of the doubled-up end being bent inward against the back of the plate B, so as to leave the retaining means B² open at the sides and the inner ends.

In using the device the operator passes the shanks A² through opposite apertures in the button C to finally engage the side arms of the head A' with said apertures, and then the operator pushes the shanks A² through the cloth D of the garment, so as to bring said shanks and the inner ends of the head A' to the rear face of the garment. The operator passes the shanks A² through the apertures B' to finally engage the inner ends of the head A' with said apertures, and then the operator presses the shanks apart and snaps the points thereof into the retaining means B², so that the points are concealed and the shanks A² are located in place on the back of the garment and the button is securely fastened in position. When using the device on cloth buttons C', as shown in Fig. 4, then only one shank A² is pushed through the cloth-shank C' and the button is slipped along this shank, then passed upon the head A' to finally engage the middle portion thereof, as is plainly indicated in Fig. 4. The shanks A² are then pushed through the material of the garment and are then engaged with the retaining-plate B and the retaining means B² thereof, the same as previously explained in reference to Figs. 1, 2, and 3.

From the foregoing it will be seen that the device is very simple and durable in construction, can be very cheaply manufactured, and readily applied to a garment without danger of injuring or tearing the same when an ordinary strain is exerted on the button C or C'.

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

1. A button-fastener, comprising a retaining-plate formed with apertures near one end and with point-receiving guards at the other end and at the back of the plate, said guards being formed by the doubled-up end of the plate, the doubled-up end having its middle portion bent inward flat upon the back of the plate to leave the retaining-guards open at the sides and inner ends, and a pin having parallel shanks and a U-shaped head standing at an angle to the shanks and integral

therewith, said shanks being adapted to pass through said apertures to engage the side arms of the head with the apertures, the free ends of the shanks being adapted to engage
5 said receiving-guards, as set forth.

2. In a button-fastener, the combination of the pin having parallel shanks and between the same a head to secure the button, and the retaining-plate provided near one end with
10 apertures for the shanks of the pin, and having its opposite end upturned and deflected inwardly between its side edges forming the side guards spaced apart from the body of the plate to receive between the said guard
15 and plate the points of the pin-shanks, and the intermediate portion pressed inwardly against the body of the plate whereby the shanks of the pin may be sprung outward in
20 adjusting the same into and out of engagement with the guards of the retaining-plate

and will be stopped against inward movement by the inwardly-deflected portion, substantially as set forth.

3. In a button-fastener the retaining-plate provided with apertures for the insertion of
25 the shanks of the button-holding pin and having one end returned and deflected between its side edges forming it into side and intermediate portions, the side portions being spaced apart from the body of the retaining-
30 plate and the intermediate portion being adjusted flat against the body of the main plate for the purposes set forth.

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

HERMANN G. C. HÖRNING.

Witnesses:

THEO. G. HOSTER,
EVERARD B. MARSHALL.