

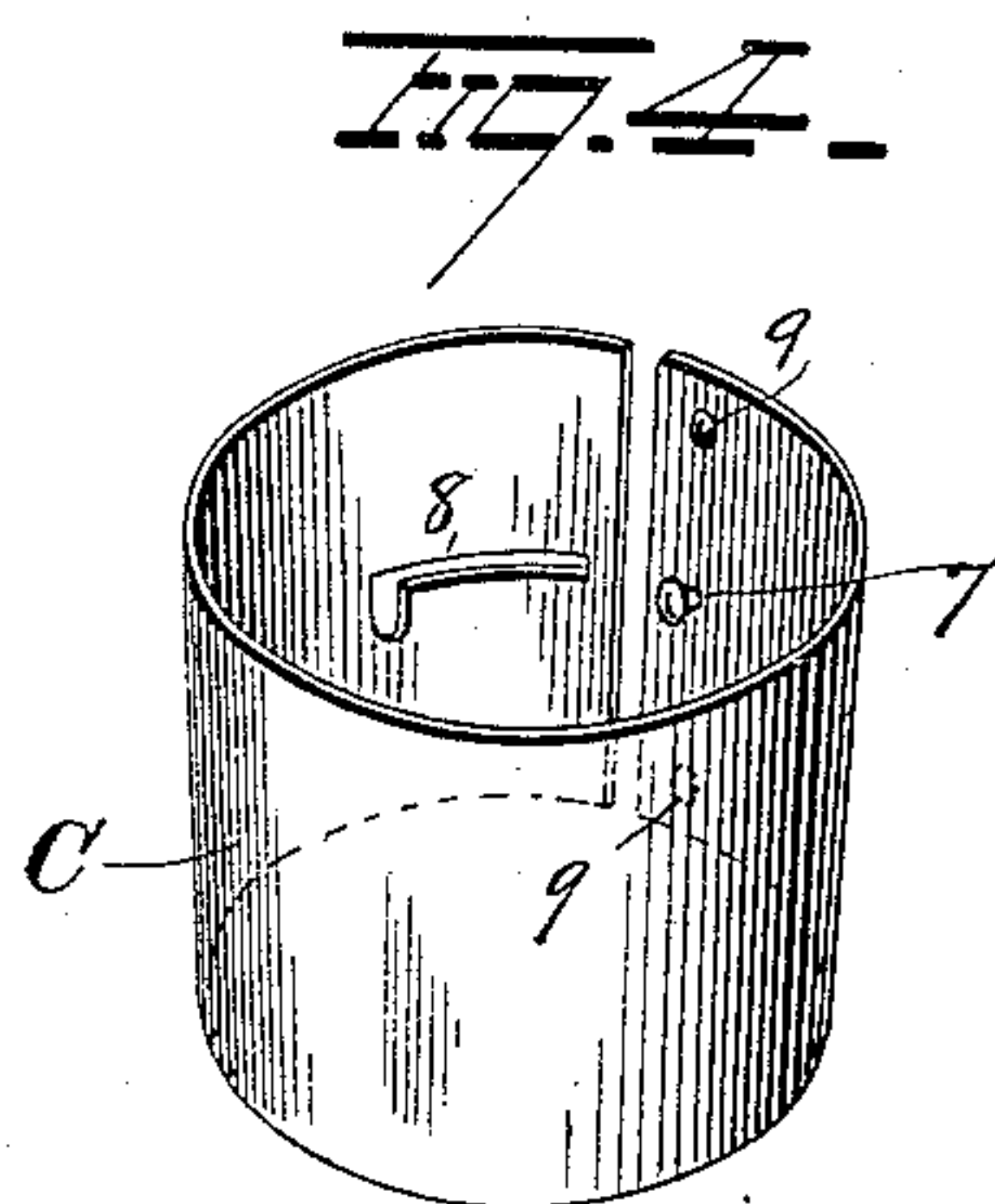
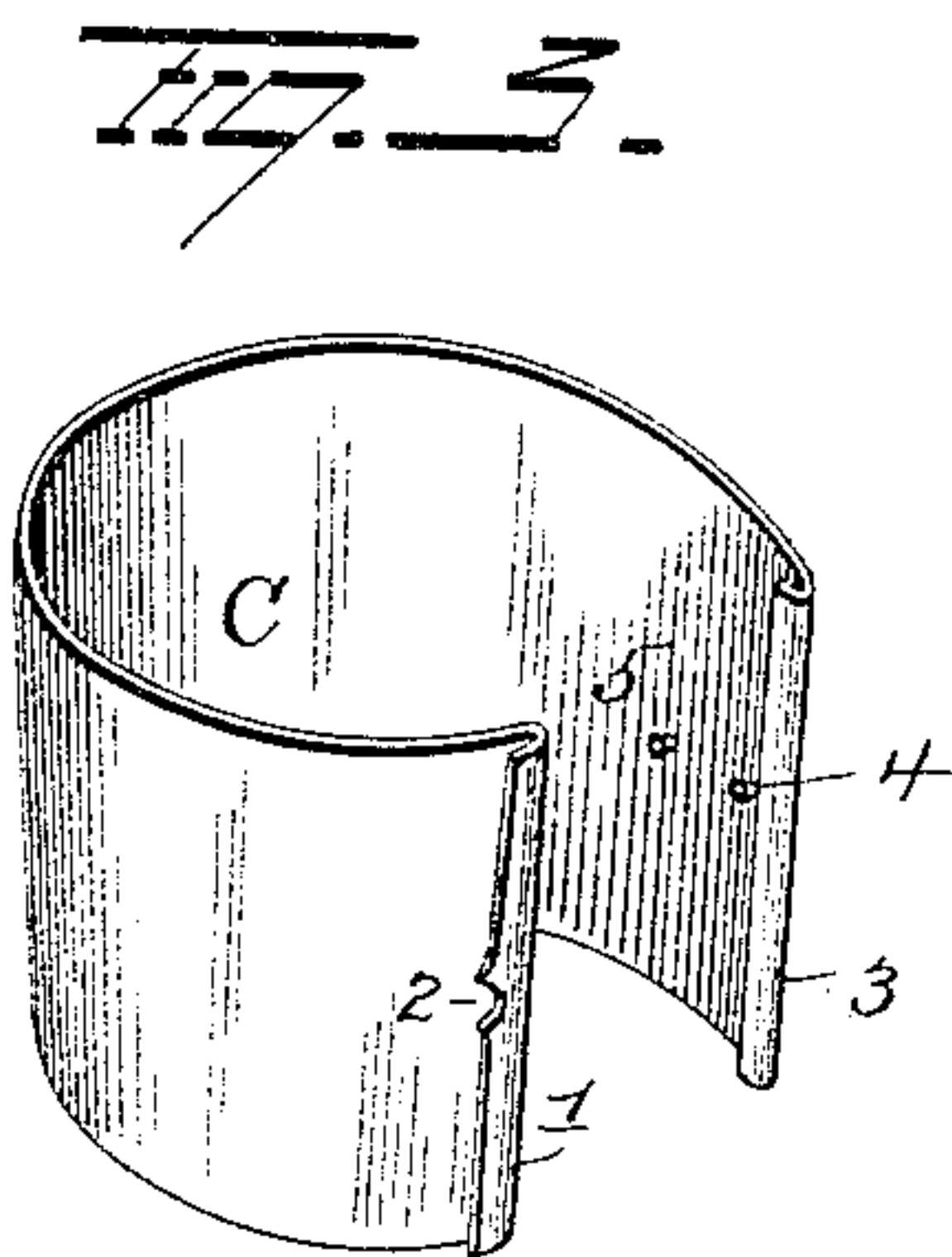
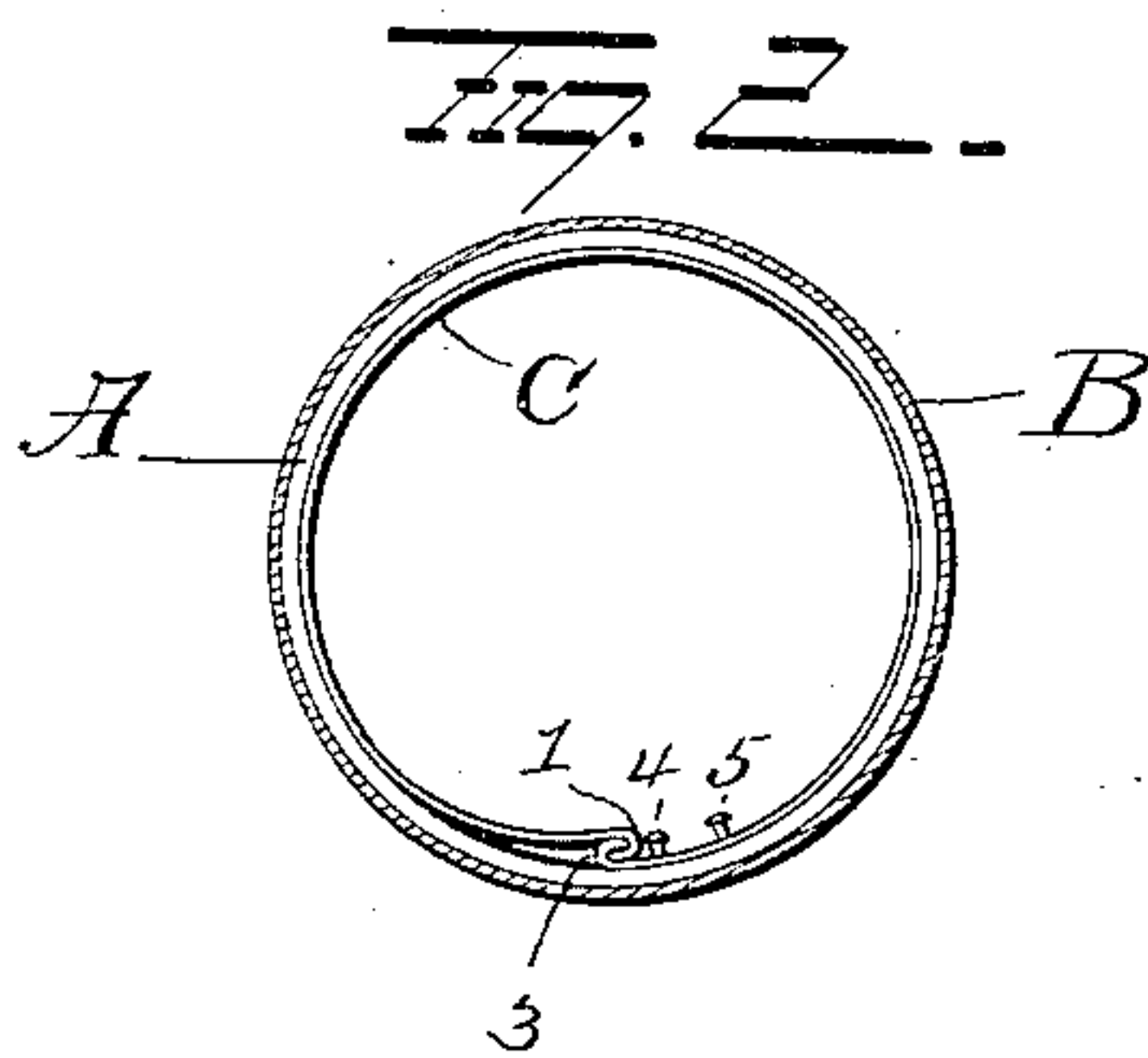
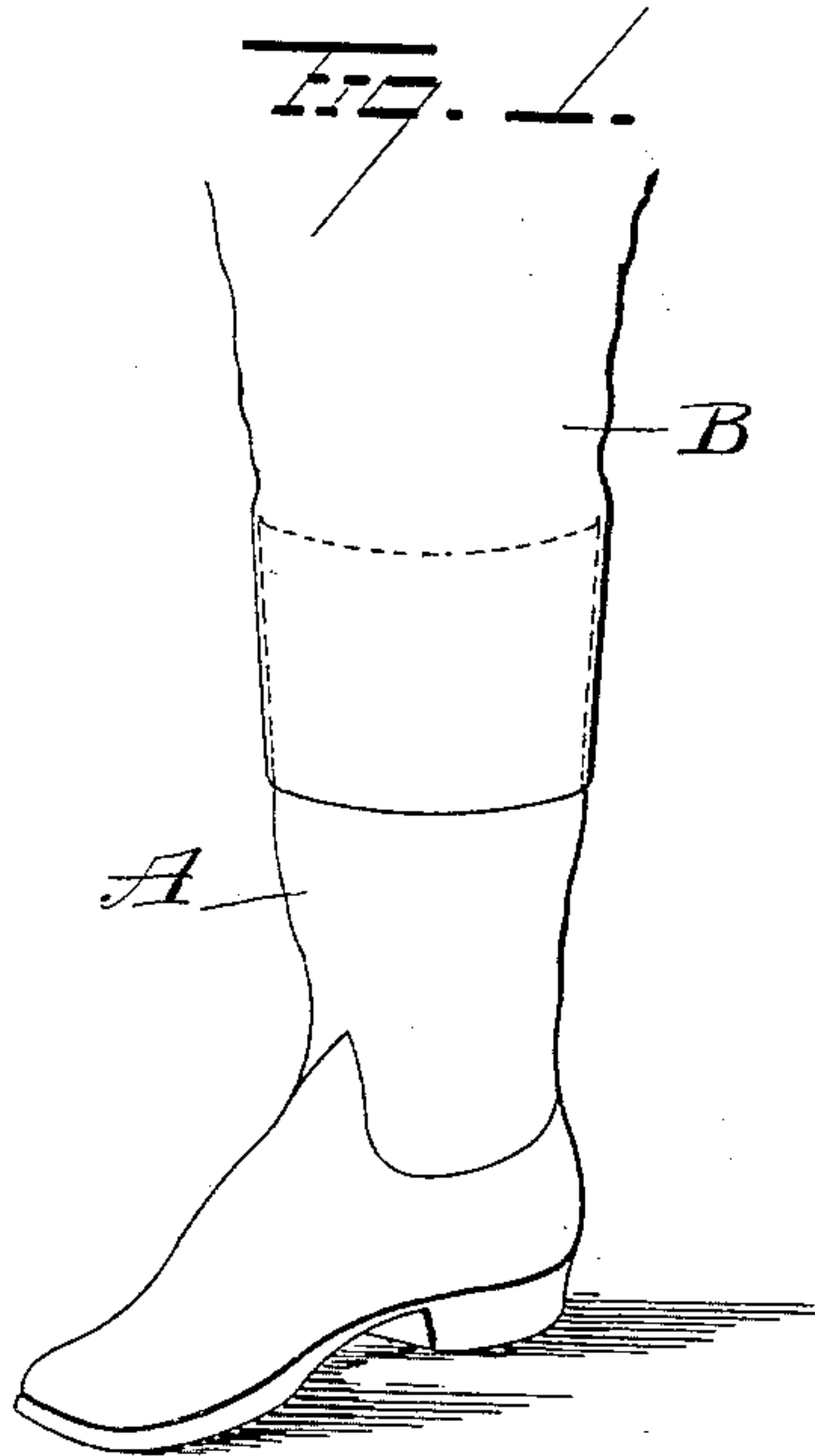
No. 616,460.

Patented Dec. 27, 1898.

A. GARTNER.
GARMENT.

(Application filed May 12, 1898.)

(No Model.)



WITNESSES

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ADAM GARTNER, OF LINCOLN, NEBRASKA.

GARMENT.

SPECIFICATION forming part of Letters Patent No. 616,460, dated December 27, 1898.

Application filed May 12, 1898. Serial No. 680,497. (No model.)

To all whom it may concern:

Be it known that I, ADAM GARTNER, of Lincoln, in the county of Lancaster and State of Nebraska, have invented certain new and useful Improvements in Garments; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in means for maintaining a tight joint between the overlapping parts of garments, the object being to provide against the ingress of water between the overlapping parts of garments when submerged in water and for providing for a circulation of air between said parts when not submerged in water.

With these ends in view my invention consists in certain novel features of construction and combinations of parts, as will be hereinafter more fully described, and pointed out in the claims.

In the accompanying drawings, Figure 1 represents my improvement applied to a pair of boots and trousers. Fig. 2 is a horizontal section. Fig. 3 is a detached view of the expansion-clamp, and Fig. 4 is a view of a modified construction of expansion-clamp.

A represents a pair of ordinary rubber boots; B, a pair of waterproof trousers, made of rubber or any other suitable waterproof material, and C the expansion-clamp. This expansion-clamp is preferably constructed of sheet-steel and is so shaped as to form a truncated cone when its free ends are pressed or united together. The free end 1 of said clamp is bent outwardly upon itself, so as to form a hook the central portion of which is notched, as shown at 2. The opposite end 3 of said clamp is also bent to form a hook, the hook in this instance, however, being formed by bending the end inwardly. A suitable distance forward of hook 3 are centrally located the headed pins or buttons 4 and 5, the latter being a suitable distance in advance of the former, said buttons or pins being designed to engage the notch 2 of hook 1, as the case may be, when the clamp is compressed. If desired, the entire clamp may be covered with any desired material, or it may be japanned, plated, or otherwise treated, whereby it may be prevented from rusting.

When it is desired to apply my invention to a pair of boots and trousers for the purpose of effecting a water-tight joint at the overlapping parts, as shown in Fig. 1, the first requirement on the part of the operator or wearer is to slip on the trousers, which is accomplished in the usual way, after which the expansion-clamps are placed within the boot-tops, said clamps being held against accidental displacement by loops secured within said boot-tops, and when the parts are thus assembled the expansion-clamps are then compressed sufficiently to enable notch 2 to engage pin or button 5, whereby the trousers may be more easily slipped from above over the boot-tops, and when the bottoms of said trousers have assumed a position opposite that occupied by the expansion-clamps the latter are again compressed, so as to disengage the pin or button, and allowed to expand and engage the pin or button 4. It will be observed that when the clamps are in this position the two hooks 1 and 3 interlock, thus providing additional means for holding the clamps against displacement, which is accomplished by making notch 2 of sufficient depth as to allow the outer edge of hook 1 to project far enough to engage hook 3 when the said notch is in engagement with pin or button 4. When the expansion-clamps are in the position last mentioned, it will be seen that they uniformly and tightly press the boot-legs against the non-elastic bottoms of the trousers, thus constituting a water-tight joint between said bottoms and boot-legs, whereby the ingress of water between the parts is absolutely prevented.

While it is important to maintain a water-tight joint between the overlapping parts when they are submerged in water it is also desirable that provision be made for providing for a free circulation of air between said parts when not submerged in water in order that undue perspiration of the lower limbs of the wearer may be prevented. This can readily be accomplished by compressing the expansion-clamps sufficiently to enable notch 2 of hook 1 to engage pin or button 5. This contraction of the clamps removes all pressure from off the boot-legs and trousers and allows the bottoms of the latter to fall to their normal position, thus leaving sufficient space

between said trousers and boots for a free circulation of air.

The modified form of expansion-clamp shown in Fig. 4 is provided centrally and at a point near one of its ends with a button 7, while its opposite end is centrally provided with an L-shaped slot 8, the short arm of which latter is of sufficient width to permit the easy introduction of the head of button 7. At a suitable point above and below button 7 a small portion of the stock of the clamps is punched inwardly to form the projections 9 9, which are designed for the purpose of preventing accidental displacement of the clamps when in their operative position. The shank of button 7, when the clamp is in its operative position, rests within the long arm of slot 8, while the head thereof contacts with the surface surrounding said long arm, and thus holds the clamp in its operative position, the clamp being allowed to expand a distance equal to the length of the short arm of L-shaped slot 8.

From the foregoing it will be seen that by the employment of my improved expansion-clamps a very neat and easily-operated wader's outfit is secured, and one in which an absolutely water-tight joint between the parts is secured. It is also apparent that repairs may be easily made and that one worn-out part may be replaced without necessitating an expenditure for an entirely new outfit, as is the case with the outfits now in common use and made in a single piece.

It is evident that changes in the construction and relative arrangement of the several parts might be made without avoiding my invention; and hence I would have it understood that I do not restrict myself to the particular construction and arrangement of parts shown and described; but,

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

1. The combination with the overlapping

parts of garments, of an expansible device disposed within the inner garment and acting to press the same against the outer garment whereby the overlapping ends of the two garments will be held in close contact with each other to prevent the passage of water.

2. The combination with two overlapping garments, the outer garment being made of elastic material, of an expansible device disposed within the inner garment and serving to press it outwardly against the outer garment whereby to form a water-tight connection between said garments, substantially as set forth.

3. The combination with the overlapping parts of garments, of an expansible device located within the inner garment and provided with means for holding it either in an expanded or a contracted position.

4. The combination with the overlapping parts of garments, of an expansible clamp, the ends of which being adapted to interlock, said clamp being located within the inner garment and pressing it outwardly in close contact with the inner face of the outer garment.

5. The combination with the overlapping parts of garments, the outer overlapping parts being of elastic material, of an expansible clamp, one end of which being provided with an outwardly-turned notched hook, while the other end thereof is provided with an inwardly-turned hook and a series of headed pins or buttons in line with the notch of the outwardly-turned hook, said clamp being located within the inner garment and adapted to hold the overlapping parts of said garments in close contact one with the other.

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

ADAM GARTNER.

Witnesses:

F. A. BOEHMER,

WM. SELENFREUND.