

(No Model.)

2 Sheets—Sheet 1.

DE VER H. WARNER.
HOSE SUPPORTER.

No. 565,127.

Patented Aug. 4, 1896.

Fig. 1.

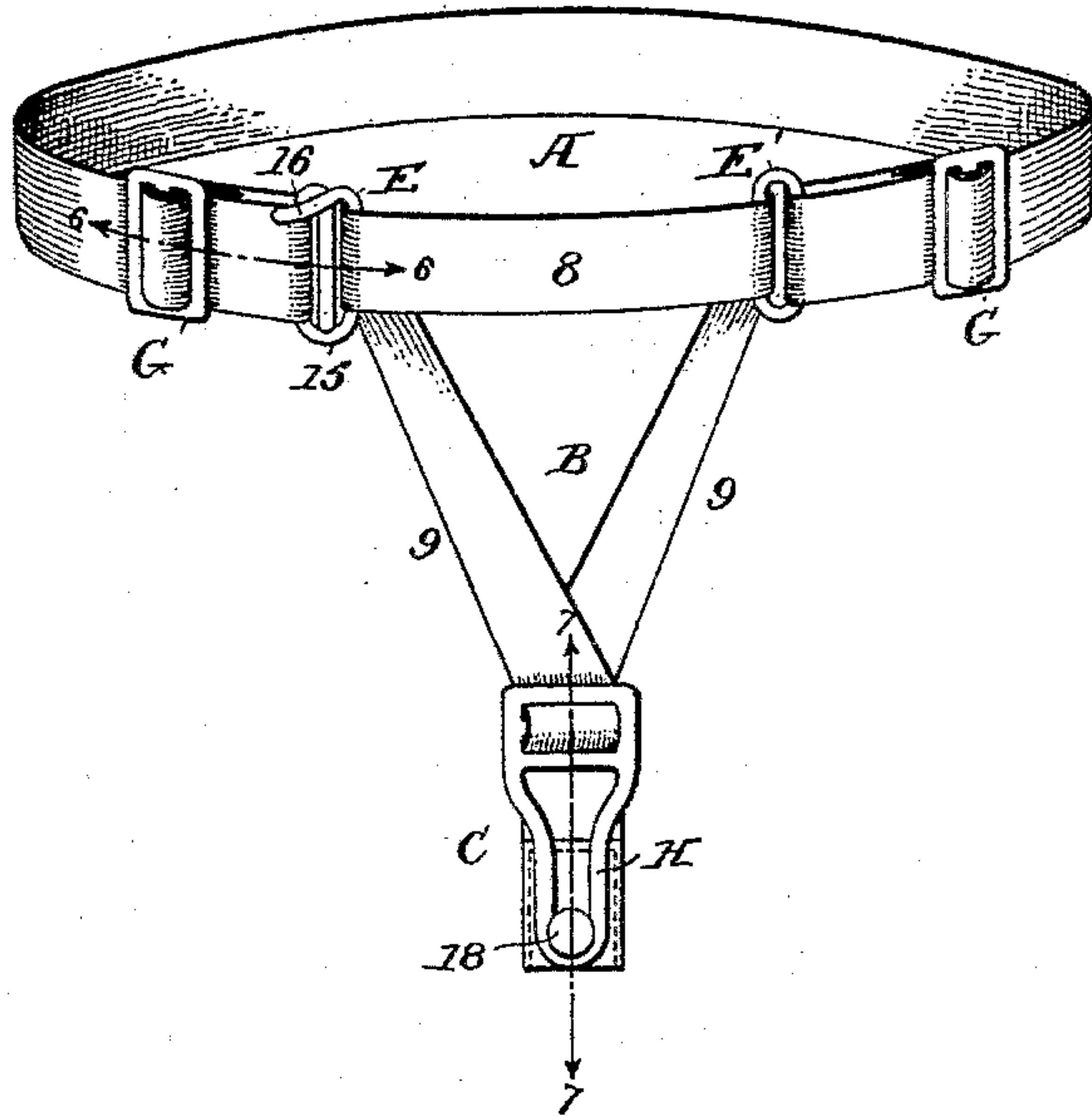


Fig. 3.

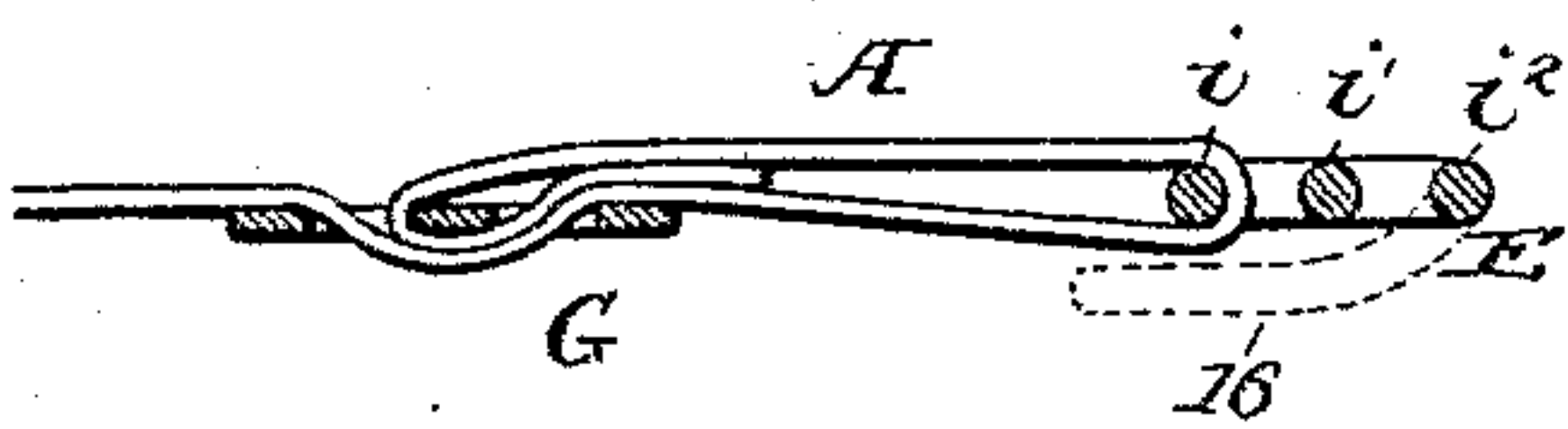


Fig. 4.

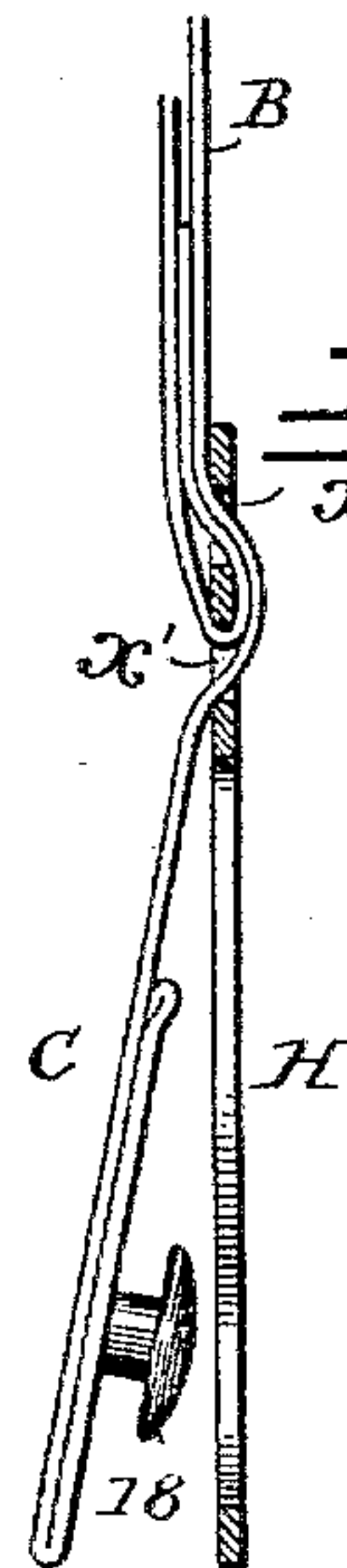
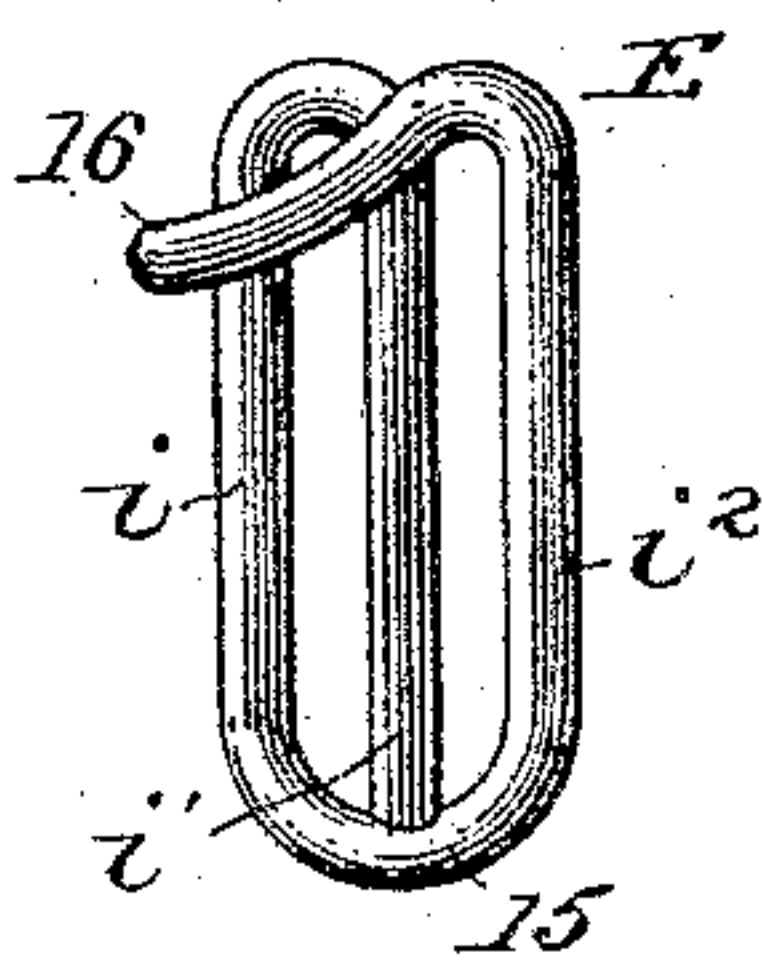


Fig. 5.



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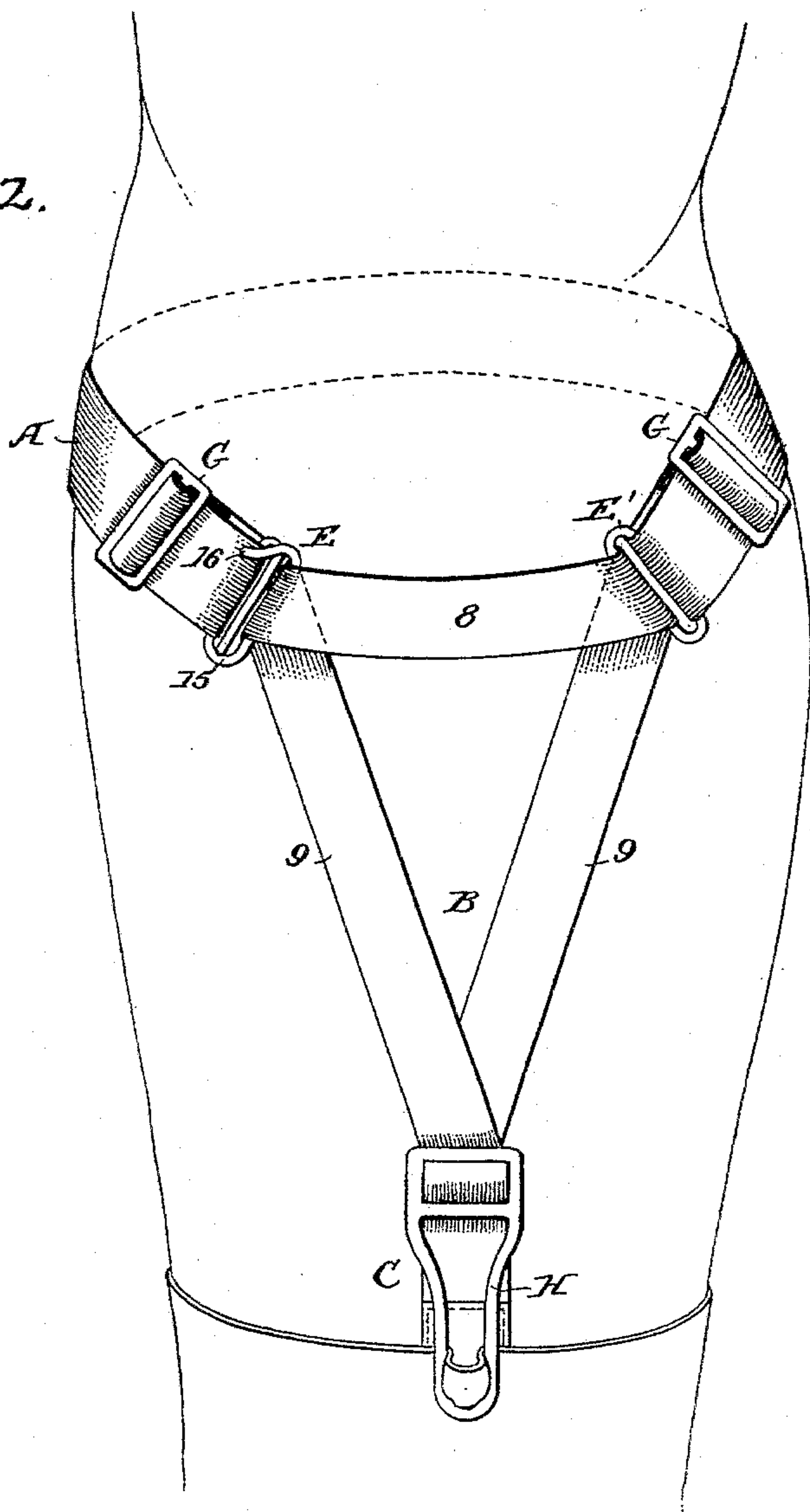
2 Sheets—Sheet 2.

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Fig. 2.



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UNITED STATES PATENT OFFICE.

DE VER H. WARNER, OF BRIDGEPORT, CONNECTICUT.

HOSE-SUPPORTER.

SPECIFICATION forming part of Letters Patent No. 565,127, dated August 4, 1896.

Application filed January 17, 1893. Serial No. 458,721. (No model.)

To all whom it may concern:

Be it known that I, DE VER H. WARNER, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Hose-Supporters, of which the following is a specification.

My invention relates to that class of hose-supporters in which a band partly encircles the leg and a strap or cord passes through loops at the ends of the band; and my invention consists substantially in the construction and arrangement of the device, as fully set forth hereinafter, and as illustrated in the accompanying drawings, in which—

Figure 1 is a view in perspective of my improved hose-supporter. Fig. 2 illustrates the device shown in Fig. 1 as applied to the leg of the wearer. Fig. 3 is an enlarged section on the line 6 6, Fig. 1. Fig. 4 is an enlarged section on the line 7 7, Fig. 1; and Fig. 5 is an enlarged view of one of the connecting-loops.

The band A, that encircles the leg, may be of elastic or non-elastic material, but is preferably elastic and is provided with two loops E E' for the passage of a strap or cord B, which is of elastic material and the ends of which are connected to the clasp or clamp of any suitable character.

When the parts are upon the leg of the wearer in the positions illustrated in Figs. 1 and 2, that portion 8 of the strap B that extends between the loops E E' constitutes practically an elastic continuation of the band A and will yield to the movement of the muscles, so that whether the band A be elastic or non-elastic there will be no binding or stricture, and the circulation will not in any way be impeded, while the converging vertical portions 9 9 of the strap, being also elastic, will yield so as to hold the stocking taut and at the same time accommodate the parts to the vertical strains, and as the strap B can move freely in the loops E E' it is practicable to set the band A so as to embrace and clasp the leg at any desired point.

The loops E E' may be made in any suitable way, either by folding the ends of the band A upon itself or, where a metal bearing is preferably required, by connecting metal loops to

the ends of the band, like the loop E' in Figs. 4 and 5. While each loop may be connected fixedly to the end of the band A, I prefer to make use of a construction whereby the strap B may be connected to and disconnected from one end of the band A. Different constructions may be employed to this end.

A preferable construction is shown in the drawings, where the loop E terminates in a vertical hook 15, onto which the loop of the strap B may be placed, and to prevent the strap from sliding off the hook the latter is provided with a tongue 16, extending back toward the end of the band A and lying close to the leg of the wearer. By thus providing a loop in the form of a hook the strap can be slipped over the tongue, so as to engage the hook after the band A has been put in place, or it may be disengaged therefrom, thereby dispensing with the necessity of slipping the band A over the boot or shoe, as would otherwise sometimes be required.

I prefer to construct the hook-loop of a single piece of wire or of a plate stamped out to the form illustrated in Figs. 2, 3, and 5, so that there are three parallel bars $i\ i'\ i''$, the band A passing between the bars $i\ i'$, and the bar i'' constituting the vertical bar of the loop or hook.

To avoid the necessity of sewing the straps transversely, which cuts the rubber threads when elastic straps are used, and which is apt to result in the detachment of the supporter by the wearing and breaking of the sewed seams, I make use of the connecting-plates G H, the former having two vertical slots through which the band A is passed, as shown in Fig. 3, so as to form a terminal loop of the band A that will embrace the bar of the loop E, while the plate H forms a part of the clasp C, having a V-shaped notch to receive a stud 18 on one end of the strap B, and with two parallel slots $x\ x'$, through which the other end of the strap is passed, together with a portion adjacent to the end that carries the stud, as shown in Fig. 4. By this means I am enabled to dispense entirely with sewed seams in the structure, and, as will be seen, all metallic portions of the device are kept from contact with the skin.

Without limiting myself to the precise con-

struction and arrangement of parts shown and described, I claim--

1. The combination with a band A and independent metallic loops E, E', one of which loops is detachably connected with one end of the band, of a strap B movable in said loops, and a clasp secured with said strap, substantially as set forth.

2. The combination with the band, strap and clasp, of a loop connected with one end of the band and having a terminal hook for engaging the strap, and a finger extending from said hook backward toward the end of said band, substantially as set forth.

3. The combination with the band, strap and clasp, of a loop connected with one end of the band and provided with parallel bars i ,

i' , i^2 , and with a finger 16, substantially as and for the purpose described.

4. The combination in a stocking-supporter of a strap A, having the ends folded upon themselves and secured by slotted connecting-plates G, loops E, E', an elastic strap B extending through said loops, and a clasp having a slotted plate H, receiving and securing the ends of the strap, substantially as set forth.

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

DE VER H. WARNER.

Witnesses:

FRANK S. ANDREWS,

W. P. ALLEN.