

No. 725,565.

PATENTED APR. 14, 1903.

E. N. HUMPHREY.
HOSE SUPPORTER.

APPLICATION FILED JAN. 23, 1903.

NO MODEL.

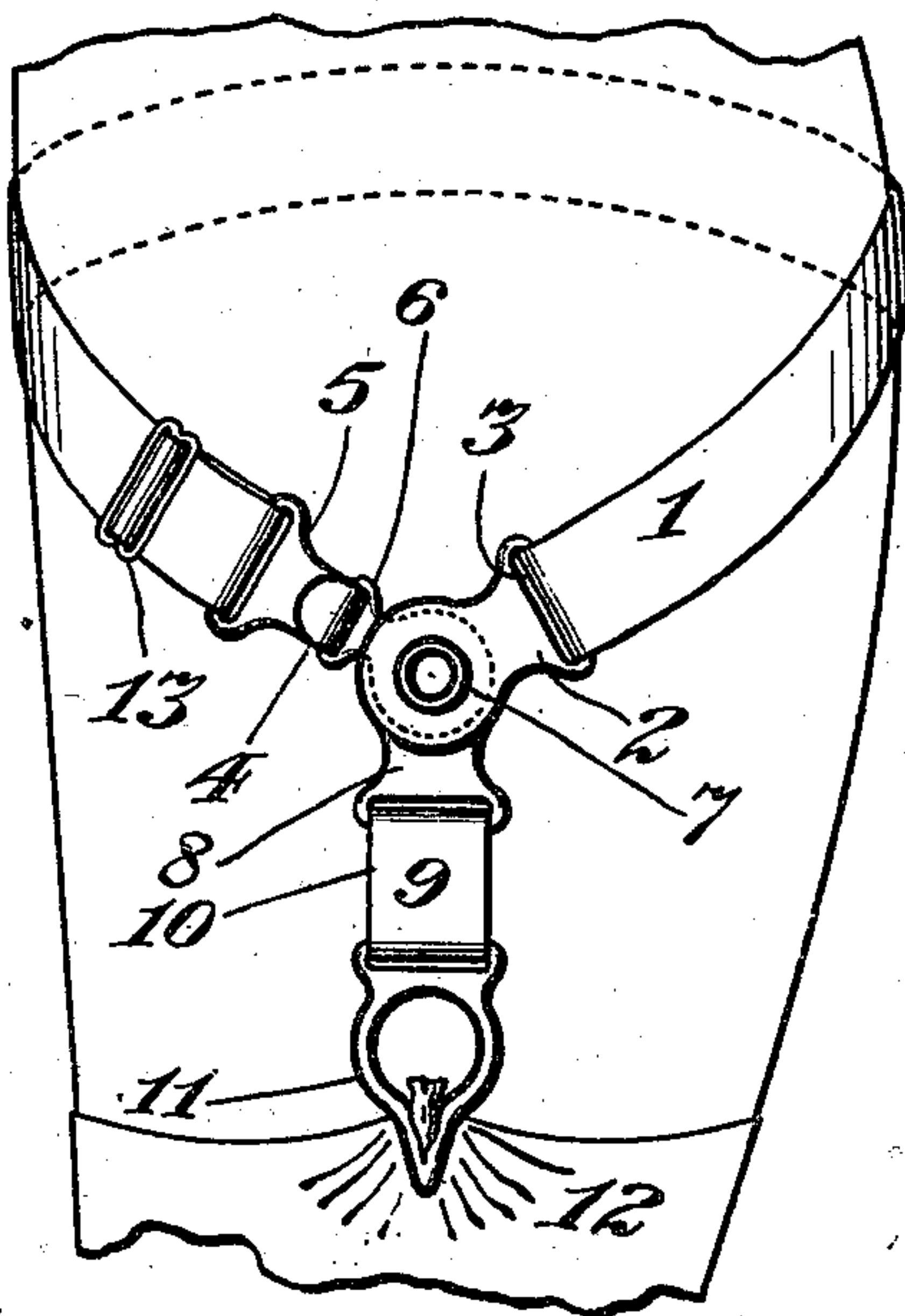


Fig. 1.

Fig. 2.

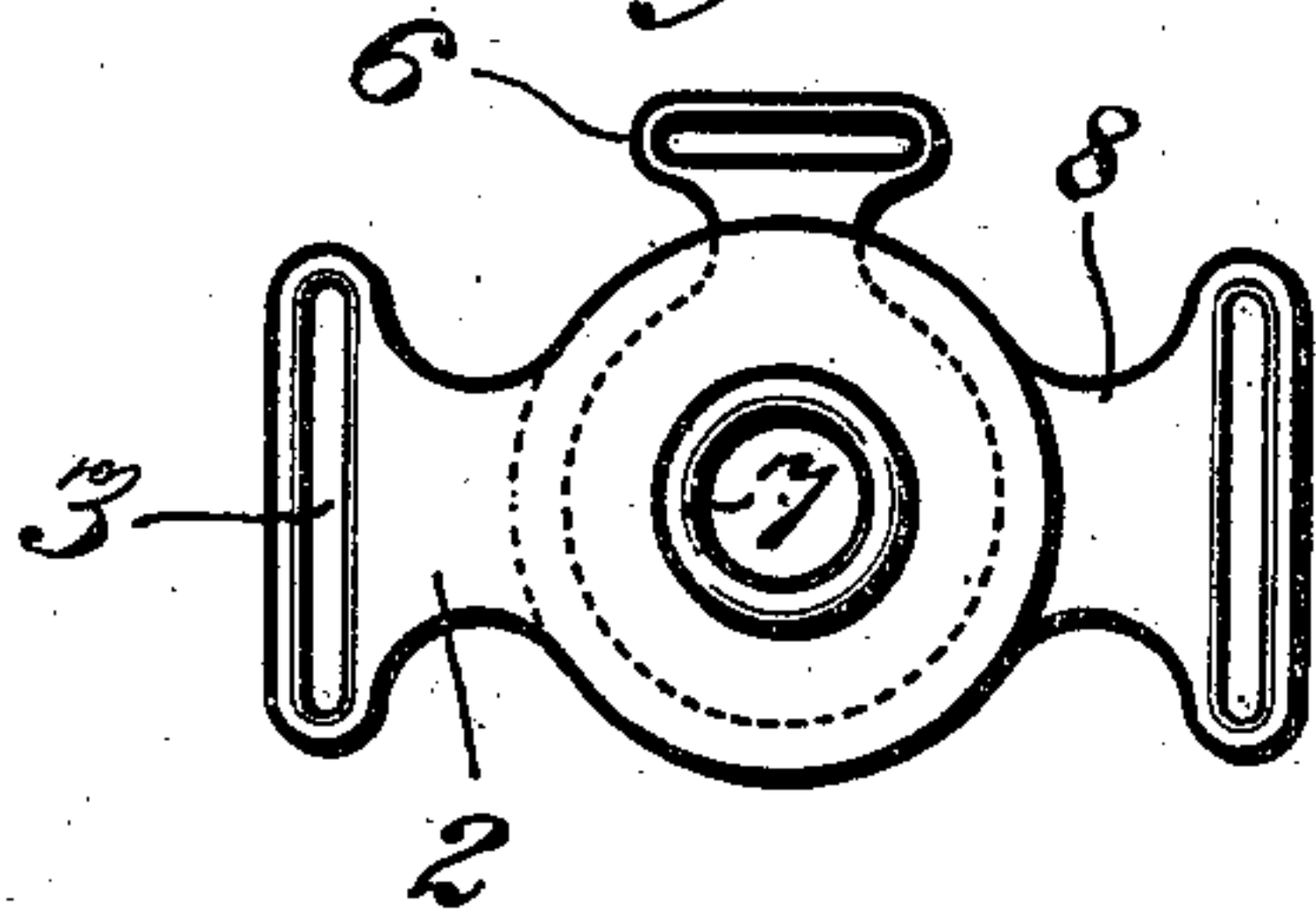


Fig. 3.

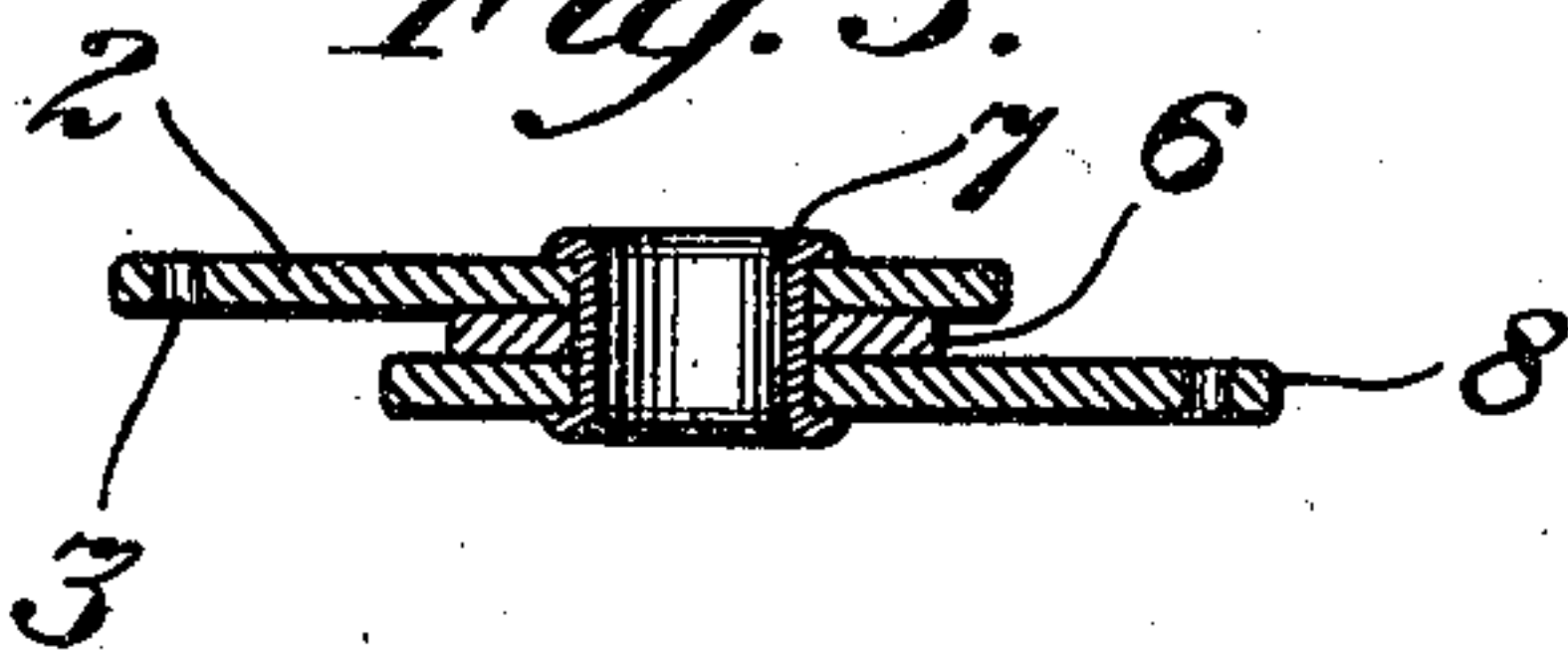
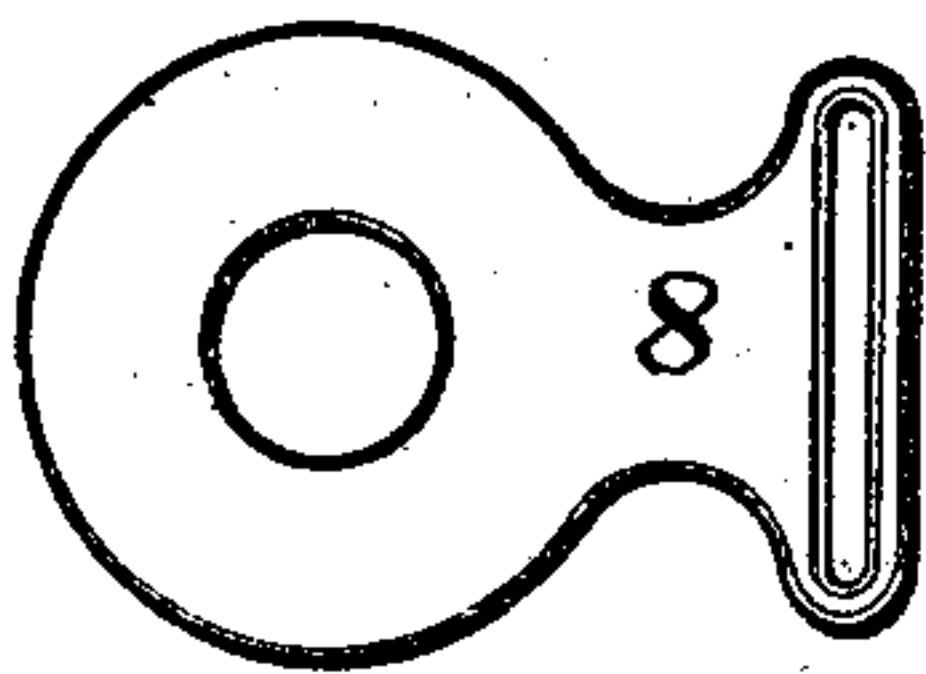


Fig. 4.



Witnesses:

A. C. Abbott.

B. Stickney.

Inventor:

Ernest N. Humphrey.

By his Attorney:

J. A. Richard.

UNITED STATES PATENT OFFICE.

ERNEST N. HUMPHREY, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO
THE TRAUT & HINE MANUFACTURING COMPANY, A CORPORATION
OF CONNECTICUT.

HOSE-SUPPORTER.

SPECIFICATION forming part of Letters Patent No. 725,565, dated April 14, 1903.

Application filed January 23, 1903. Serial No. 140,227. (No model.)

To all whom it may concern:

Be it known that I, ERNEST N. HUMPHREY, a citizen of the United States, residing in New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Hose-Supporters, of which the following is a specification.

This invention relates to hose-supporters of the class wherein a band encircles the calf of the wearer and sustains a hose-gripper; and its object is to improve the construction of the hose-supporter, particularly with a view to avoiding the fraying out of the edges of the band, which usually occurs where the band is rove through the hose-gripper. When in use, the hose-supporter is subjected to considerable flexure or movement at the point where the band is connected to the hose-gripper, and owing to the continued rubbing together of the band upon these metal parts it is soon worn away and destroyed. By my present invention this difficulty is overcome.

In the drawings forming part of this specification, Figure 1 is a view showing my improved hose-supporter in use. Figs. 2 and 3, upon an enlarged scale, show elevation and section of pivoted sheet-metal parts employed at the junction of the band with the hose-gripper, and Fig. 4 is a separate view of one of the sheet-metal end pieces.

An elastic band 1 is sewed or otherwise secured to a thin sheet-metal end piece 2, which is preferably provided with an eye 3 for receiving the end of the band. The other end of the band is provided with an end piece 4, which is preferably made in two sheet-metal parts, whereof one part, 5, is in the form of a hook and the other part, 6, is in the form of an eyepiece engaged by said hook, said eyepiece and hook taken together forming a cast-off. The end piece 2 may be pivoted to the eyepiece 6 by means of a tubular or other double-headed pivot 7, and connected to said pieces 2 and 6 by the same pivot is a third end piece 8, similar to the end piece 2 and comprising part of a hose-gripper, which is designated in a general way as 9. In this instance the hose-gripper comprises a short elastic strap 10, connected at its upper end to the end piece 8 and at its lower end to a seiz-

ing device 11, which may be of any desired type and is illustrated in this instance as consisting of a V-shaped seizer of a well-known type, which pinches the hose, as illustrated at 12. The end of the band having the cast-off may be provided with a take-up 13.

As will be seen at Figs. 2 and 3, the eyepiece 6 is inserted between the end pieces 2 and 8, so that when the hook 5 is inserted in said eyepiece it may lie flat or even with the end pieces 2 and 8, so as to avoid undue projection of this part of the trimming and permit the same to lie flat against the limb of the wearer. The end piece 8, forming part of the hose-gripper, is placed beneath the pieces 2 and 6, so that it may lie contiguous to the limb, leaving the end pieces 2 and 6 slightly separated from the limb, thereby conducing to freedom of pivotal action of these parts. By pivotally connecting the ends of the band and pivotally connecting the same to the hose-gripper chafing of the band edges upon the metal parts is obviated, and thus by means of an inexpensive construction the ease of action and the life of the hose-supporter are greatly increased.

Variations may be resorted to within the scope of my improvements.

Having thus described my invention, I claim—

1. A hose-supporter comprising a band, end pieces attached to said band and pivoted together, one of said end pieces being formed in two parts one of which may be cast off from the other, and a hose-gripper pivotally connected to said end pieces.

2. A hose-supporter comprising a band, end pieces attached to said band, and a hose-gripper; said end pieces and hose-gripper being connected by a single pivot, and including means for enabling one end of the band to be cast off.

3. A hose-supporter comprising a band, end pieces attached to said band, and a hose-gripper; said end pieces and hose-gripper being connected by a single pivot.

4. A hose-supporter comprising a band, end pieces attached to said band and loosely connected, and a hose-gripper loosely connected to said end pieces; one of said end pieces

comprising a hook and an eye, and one of said hook-and-eye elements being attached to the band.

5 5. A hose-supporter comprising a band, end pieces attached to said band and loosely connected, and a hose-gripper loosely connected to said end pieces; one of said end pieces comprising a hook and an eye, said hook being attached to the band, and said eye being
10 pivoted to the other end piece and also to said hose-gripper.

6. A hose-supporter comprising a band, end pieces therefor and a hose-gripper; said end pieces and gripper being connected by a single pivot, and one of said end pieces consisting of a hook and eye whereof the hook is attached to the band and the eye is inserted between the other end piece and the hose-gripper.

20 7. In combination, a band having means for pivotally connecting its ends and a hose-gripper having means for pivotal connection to said connecting means.

8. In combination, a band having means for pivotally connecting its ends, and provided with a cast-off, and a hose-gripper having means for pivotal connection to said ends. 25

9. A hose-supporter comprising a band, end pieces therefor and a hose-gripper; the latter including a strap having at one end a hose-seizing device and at the other end an end piece; all of said end pieces being connected by a single pivot, and one of the end pieces for the band consisting of a hook and eye, whereof the hook is attached at the band and the eye is inserted between the other band end piece and the end piece of the hose-gripper. 35

10. In combination, a band having means for pivotally connecting its ends, a hose-seizing device and means connected thereto for pivotal connection to said ends. 40

ERNEST N. HUMPHREY.

Witnesses:

STANLEY PARKER,
SADIE L. FINNIGAN.