

No. 752,777.

PATENTED FEB. 23, 1904.

E. N. HUMPHREY.
HOSE SUPPORTER.
APPLICATION FILED DEC. 15, 1903.

NO MODEL.

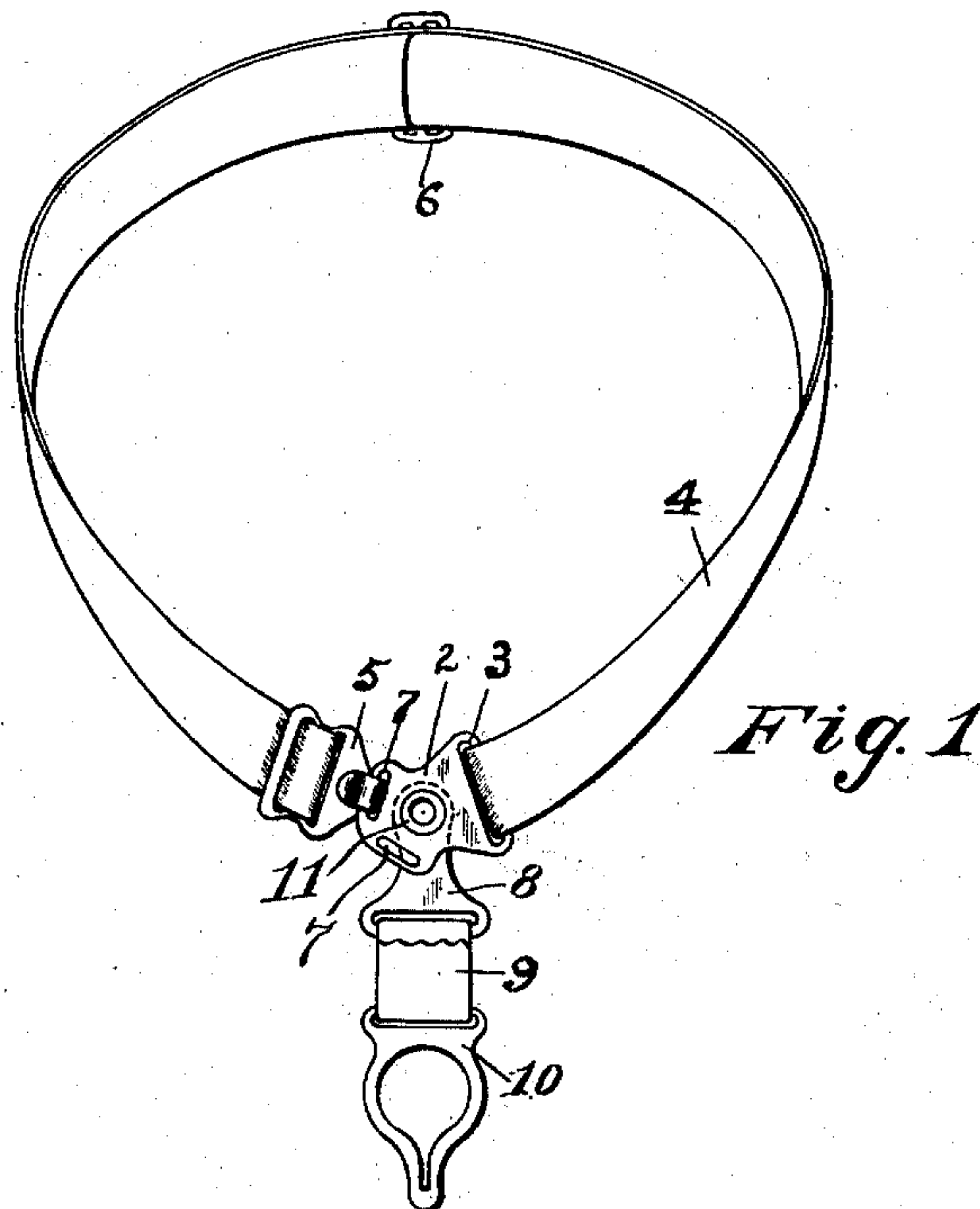


Fig. 1

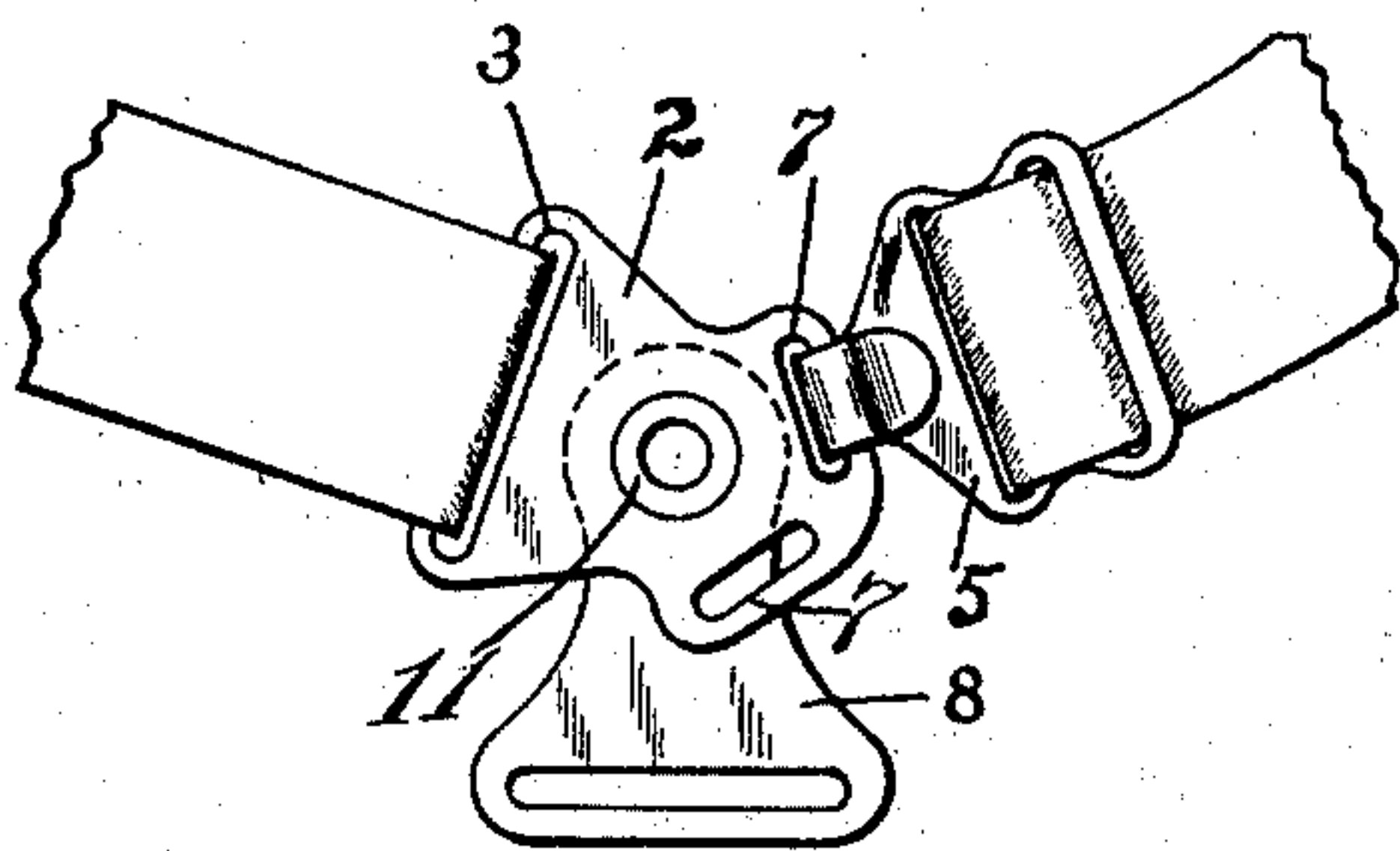


Fig. 2.

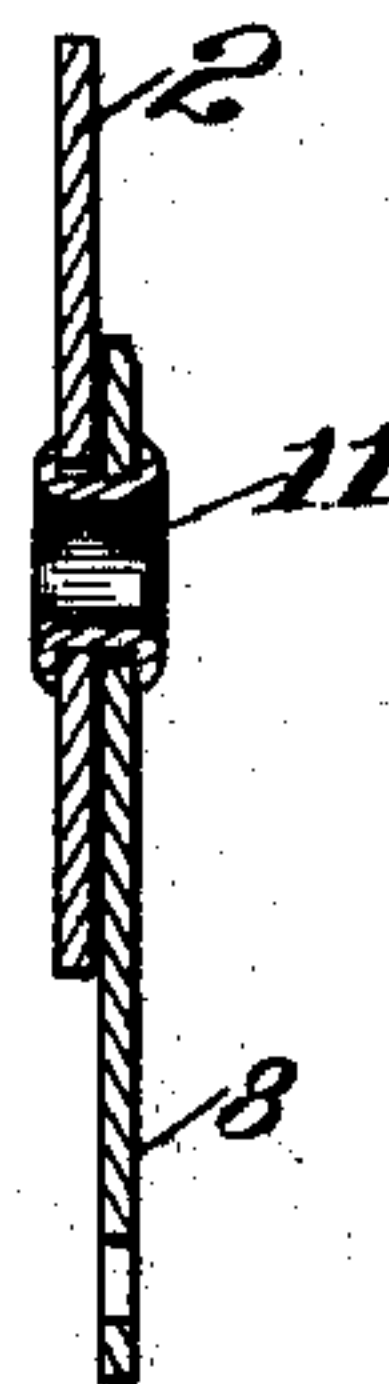


Fig. 3.

Witnesses:
C. W. LaRue
F. E. Maynard.

Inventor:
Ernest N. Humphrey;
By his Attorney,
F. H. Richards.

UNITED STATES PATENT OFFICE.

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

HOSE-SUPPORTER.

SPECIFICATION forming part of Letters Patent No. 752,777, dated February 23, 1904.

Application filed December 15, 1903. Serial No. 185,185. (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.

The present invention comprises a hose-supporter embodying a joint, one of the members of which not only serves as a connector for the permanent attachment of the leg-encircling supporting-band, but also constitutes means for the ready connection and disconnection of the cast-off as in fitting the harness in and removing it from place.

One of the most important features of the invention comprises a construction in which such a connector has a pivotal relation with the chape or connector, from which depends the hose-grip. By reason of such pivotal connection it is possible to swing the said band-attached connector to one side or the other, and thereby permit the attachment and detachment of the cast-off either from the right hand or the left.

In the drawings accompanying the present specification, Figure 1 is an elevation of a hose-supporter embodying my present invention. Fig. 2 is a similar view, upon a somewhat enlarged scale, of the parts of the joint comprised therein, the band ends and the cast-off secured to one of them. Fig. 3 is a sectional view, the plane of the section coinciding with the pivotal axis of the joint.

Similar characters of reference designate corresponding parts in all figures.

The present hose-supporter construction comprises a joint adapted for interposition between the ends of the band and the hose-grip suspender, the joint being such that that connector to which the band is permanently attached by reason of the provision thereof with cast-off engaging means and by reason, furthermore, of its pivotal relation to the suspender can be swung either to one side or the other, and thus enable the engagement of the cast-off to be made either at the right hand or the left hand.

For simplicity of construction and economy of manufacture the joint is disclosed as a two-part joint, comprising in the form thereof illustrated a connector 2, in a slot 3 of which is secured a band 4. The cast-off at the free end of the band is designated as 5, while the latter, as usual, may be provided with some suitable form of take-up 6, the particular form of cast-off here shown consisting of a hook. The means for enabling it to be engaged with the connector 2 may consist of a slot 7 in the latter. To permit this engagement to be readily effected within the limits of desirable movement of the connector, as well as to permit the band to lie in an easy position with different relative positions of such connector, the latter may be provided with a plurality of cast-off engageable slots, as indicated.

Pivotaly related to the connector 2 is a chape or connector 8, from which the suspender 9 depends. From this suspender at its lowest end hangs a suitable form of hose-grip, such as that indicated by 10. In this instance also the pivotal connection of one of the members of the joint with the other member is made by a tubular rivet 11, having a head at one end and with its opposite end riveted over to hold the members of the joint in place and permit them to turn freely relatively to each other. This tubular rivet may for the purpose of providing a firm and reliable bearing be of comparatively large size.

It will be noted that the connector 2 lies above the connector 8. When, therefore, the cast-off is engaged with the former, the thickness of the hook below the connector approximates to the thickness of the connector 8 added to the thickness of the turned-over head of the tubular rivet 11, at the lower side thereof. In other words, the bearing of the cast-off and of the joint against the leg of the wearer is at a plurality of points, thus tending to prevent undue pressure at any single point.

Thus constructed it is apparent that the connection of the cast-off with the connector 2 may be made at the right-hand side or the left-hand side—that is to say, whether the

standing parts of the band 4 is caused to lead either to the left or to the right no interference is occasioned with the ready engagement and disengagement of the cast-off with
5 the engaging means.

Having described my invention, I claim—

1. A joint comprising a pair of connectors pivotally mounted with relation to each other, combined with a band secured to one of said
10 connectors, and a cast-off on the band adapted to be engaged with the connector to which the band is secured.

2. A hose-supporter comprising, in combination, a connector, a hose-grip suspender depending therefrom, a band-connector pivoted
15 with relation to said suspender-connector, a band secured to said band-connector, and a

cast-off at the free end of the band, said band-connector having means with which the cast-off may be engaged. 20

3. A hose-supporter comprising, in combination, a band, a connector to which one end of the band is secured, a cast-off at the free end of the band adapted to engage with either one of a plurality of engaging means on said
25 connector, a suspender-connector, a tubular rivet connecting said two connectors, a suspender secured to said suspender-connector, and a hose-grip dependent from said suspender.

ERNEST N. HUMPHREY.

Witnesses:

STANLEY PARKER,
SADIE L. FINNIGAN.