

(No Model.)

I. H. PAUL, Jr.
HOSE SUPPORTER.

No. 569,662.

Patented Oct. 20, 1896.

Fig. 1.

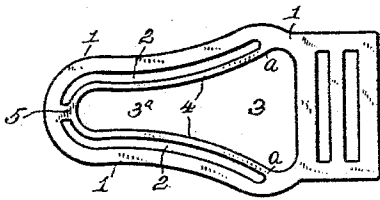


Fig. 2.

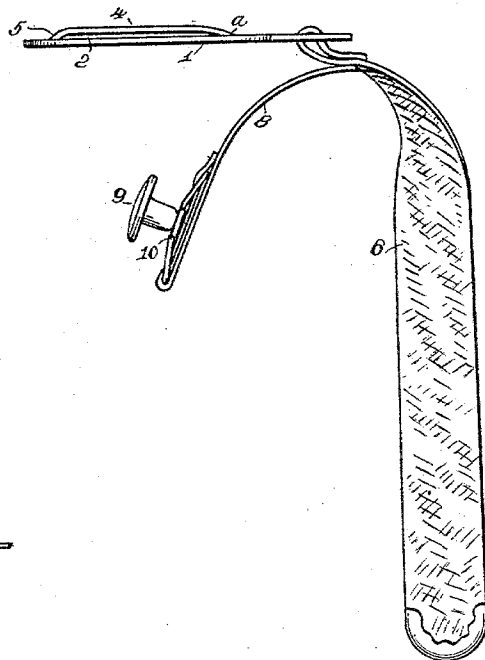


Fig. 3.



Fig. 4.

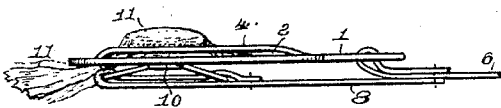
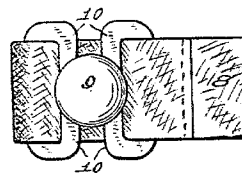


Fig. 5.



WITNESSES

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UNITED STATES PATENT OFFICE.

ISAAC H. PAUL, JR., OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO THE
FRAKE MANUFACTURING COMPANY, OF SAME PLACE.

HOSE-SUPPORTER.

SPECIFICATION forming part of Letters Patent No. 569,662, dated October 20, 1896.

Application filed July 29, 1896. Serial No. 600,871. (No model.)

To all whom it may concern:

Be it known that I, ISAAC H. PAUL, JR., a citizen of the United States, and a resident of 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 an improved hose-supporter; and it consists in certain details of construction to be more fully set forth in the following specification.

To enable others to understand my invention, reference is had to the accompanying drawings, in which—

Figure 1 represents an upper plan view of my improved hose-supporter. Fig. 2 is a side elevation showing the elastic band carrying the fastening button or stud attached thereto. Fig. 3 is a side elevation of the supporter with the fastening-stud inserted therein. Fig. 4 is a side elevation of the supporter attached to a piece of fabric or hose. Fig. 5 is a detail upper plan view of the fastening-stud attached to its elastic strap.

Heretofore hose-supporters have been made of various forms. Some have been constructed with the holding-eye having an enlarged opening to admit the goods, which eye is contracted so that such goods can be drawn into this contracted or narrow opening. This manner of holding is objectionable, as very thin garments are liable to give way under a slight strain. Another, and the form most extensively used, consists of a thin metal supporter having an eye or opening to admit a stud, which stud forces a portion of the garments therethrough, and an elongated opening or prolongation of such eye into which such stud, covered with the goods, is forced, so as to give the necessary grip thereto. This, too, is objectionable, as it will not maintain its hold on thin hose, such, for instance, as silk or other like soft yielding material, while my device is specially adapted to hold the thinnest of fabrics without losing its grip. Its construction and operation are as follows:

1 represents a skeleton-shaped supporter provided with the elongated side perforations 2 and the eye 3, which perforations and eye forms the narrow central portion or tongue 4. This tongue is attached to the main body of

the supporter both at the points *a* and also by means of the bridge 5. This feature of fastening the end of the tongue to the base-piece by means of said bridge is of vital importance in the operation of the devices, as will hereinafter be more fully explained. The tongue or center 4 must also be carried above the plane of the base-piece 1, as shown at Figs. 2, 3, and 4, the purpose of which will presently be explained. 6 is the usual elastic strap, attached to the supporter, having a branch 8, carrying the stud 9, with its base-piece 10.

It will be observed that when the base 1 of the supporter rests on the base-piece 10 of the stud 9, as shown at Fig. 3, nearly the full length of the stud under the head is filled by such base and tongue, so that when the supporter is laid upon the outer surface of the hose 11, Fig. 4, and the stud 9 against the under side of the fabric, and forced, with such fabric, through the eye of the supporter and drawn down into the elongated part 3^a of such eye, the space represented by the length of the stud from the under side of its head to its base is more than filled when the thinnest kind of fabric is used, so that such tongue is sprung downward by the pressure of the fabric between the upper surface of such tongue and the under side of the head of the stud, producing thereby a firm unyielding grip.

The elongated side openings 2 are shown of about the same width as the sides of the tongue. It will be understood, however, that the width of these openings is immaterial so long as sufficient stock is left to form the connecting-bridge 5, while such bridge 5 not only prevents the tongue being forced out of place when the goods are inserted therein, but it also furnishes a support or leverage for the vertical flexible action of such tongue when the supporter engages the fabric.

From the foregoing description it will readily be seen that my improved construction will not only hold on the thinnest of fabrics, like soft silk and lisle-thread, but it is equally adapted for heavier goods.

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

1. In a garment-supporter, of the character described, the combination, with a base hav-

ing an elongated central eye adapted to receive a headed stud and a portion of the goods or fabric of a garment, of a spring-tongue separated from the sides of the base, a bridge
5 connecting the forward end of said tongue with said base, the opposite end of such tongue also connected with such base, said tongue normally elevated above the plane of the base, so that it may have an independent vertical
10 action to accommodate for different thickness of fabric, substantially as described.

2. In a garment-supporter, of the character described, the combination, with a base-piece having an elongated central eye adapted to
15 receive a headed stud covered with fabric, of elongated side openings in the sides of such

base and running parallel with the central stud-receiving eye, thus forming a narrow spring-tongue, a bridge connecting the forward end of said tongue with said base, said
20 tongue normally elevated above the plane of such base and thus provide a vertical spring or movement to accommodate for different thickness of fabric, substantially as described and for the purpose set forth. 25

Signed at Bridgeport, in the county of Fairfield and State of Connecticut, this 23d day of July, A. D. 1896.

ISAAC H. PAUL, JUR.

Witnesses:

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WILLIAM TAIT.