No. 767,150. PATENTED AUG. 9, 1904.

E. E. HAWKINS.

HOSE SUPPORTER.

APPLICATION FILED OCT. 12, 1903.

NO MODEL.

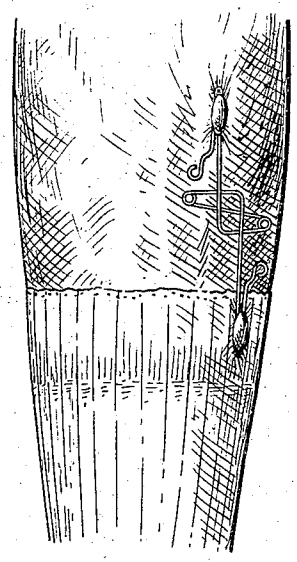


FIG. 1

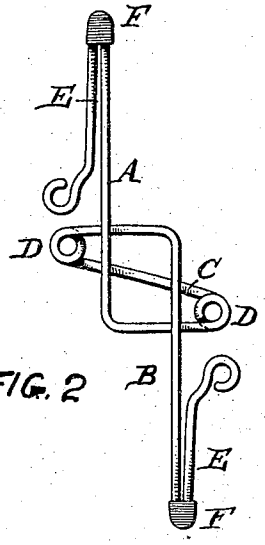


FIG. 2

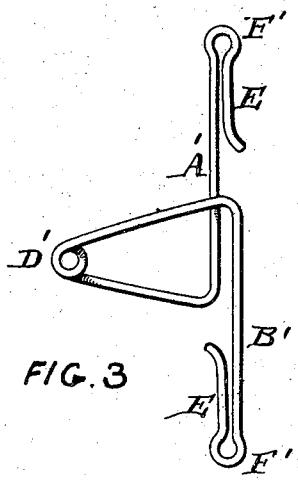


FIG. 3

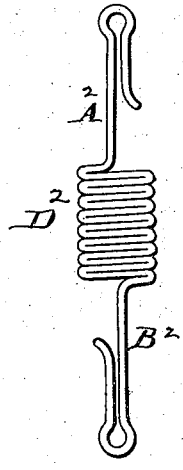


FIG. 4

WITNESSES:

Henry Drury

R. M. Kelly.

INVENTOR

Elbert E. Hawkins

BY

ATTORNEY.

No. 767,150. Patented August 9, 1904.

UNITED STATES PATENT OFFICE.

ELBERT E. HAWKINS, OF PHILADELPHIA, PENNSYLVANIA.

HOSE-SUPPORTER.

SPECIFICATION forming part of Letters Patent No. 767,150, dated August 9, 1904.

Application filed October 12, 1903. Serial No. 176,598. (No model.)

To all whom it may concern:

Be it known that I, ELBERT E. HAWKINS, of the city and county of Philadelphia, State of Pennsylvania, have invented an Improvement in Hose-Supporters, of which the following is a specification.

My invention has reference to hose-supporters; and it consists of certain improvements fully set forth in the following specification and shown in the accompanying drawings, which form a part thereof.

The object of my invention is to provide a suitable and inexpensive hose-supporter composed entirely of metal which shall dispense with the employment of textile or elastic material.

In carrying out my invention I form the supporter of wire bent in such a manner as to constitute two clamps for attachment to the hose and to the drawers or other garment and connected by an intermediate portion constituting a spring.

In the preferred form of my invention the entire structure consists of a single piece of wire having the requisite bends to produce the clamps and springs. The clamps are provided with right-angled body portions overlapping each other and disposed so as to point in opposite directions and connected by a diagonal bar, which is united to each of the right-angled body portions by means of coiled springs, whereby the clamps may have parallel movements in the direction of the length.

My invention also comprehends details of construction which, together with the foregoing features, will be better understood by reference to the drawings, in which—

Figure 1 is a perspective view showing my improved hose-supporter in use. Fig. 2 is a side elevation of the hose-supporter, full size; and Figs. 3 and 4 are side elevations of modifications of my improved hose-supporter.

A and B are two right-angled L-shaped wire portions which are bent over and backward upon themselves to constitute the spring-clamps E E. The extreme ends of these clamps may be wrapped with fine wire and soldered, as at F. The horizontal arms of the parts A B are connected by a diagonal wire C, connected at its ends with the ends of the horizontal portions by coils D D, constituting springs. The entire structure, excepting the wrappings F F, is formed of one continuous piece of wire having the several bends, as shown in Fig. 2.

It will be seen from the above construction that the parts A and B, which constitute two L-shaped portions, may be drawn apart under spring action, and the movements will be substantially parallel and in the direction of the clamps, the diagonal bar C and the springs D D permitting this movement. In use the stocking is gripped in the clamp E of the part B and the drawers gripped in the clamp E of the part A, as indicated in Fig. 1.

In place of the double springs D D the arms may be so arranged as to have their horizontal parts pointed in the same direction and be directly connected by a coil D′, as shown in Fig. 3. In this case the body parts A′ and B′ are directly connected by the coil of spring part D′. Moreover, the clamps E E are formed with looped ends F′ in place of the wire wrappings, as shown in Fig. 2.

In Fig. 4 the body parts A^2 and B^2 are connected directly by means of a flattened coil-spring D^2, as will be readily seen. In this case the right-angled parts A^2 and B^2 are connected with a series of intermediate spring portions; but it is to be understood that I do not limit myself to any number of spring portions.

In place of the wrappings F in Fig. 2 the ends of the clamps may be looped, as in Figs. 3 and 4.

The essential feature of my invention consists in the combination of two L-shaped body portions having means for connecting with the garments and uniting by means of metallic springs, so as to dispense entirely with textile or gum-elastic, which are destructible by lapse of time.

It is evident that the form of clamp shown for attachment with the garment is a simple and inexpensive one; but I wish it to be understood that I do not confine myself to any particular character of clamp or gripping device

to attach the holder to the garment, as any of the devices for attachment to the garment now in use may be employed in lieu of that shown.

While I prefer the construction shown, I do not limit myself to the minor details, as they may be modified in various ways without departing from the spirit of the invention.

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

1. As a new article of manufacture, a hose-supporter consisting of two L-shaped portions having means for attachment to the garments, and having their lateral arms connected by a transverse bar.

2. As a new article of manufacture a hose-supporter consisting of two L-shaped portions having means for attachment to the garments, and also having their lateral arms connected by a transverse bar, and coils to constitute springs at each end of the bar.

3. As a new article of manufacture a hose-supporter consisting of two L-shaped body portions, each having means for attachment to the garments and united by a coil-spring connection.

4. As a new article of manufacture a hose-supporter consisting of two L-shaped body portions, each having means for attachment to the garments formed of bent wire to constitute a grip and said L-shaped body portions united by a coil-spring connection.

5. As a new article of manufacture a hose-supporter consisting of two body portions, each having means for attachment to the garments formed of bent wire to constitute a grip and said body portions united by spring connection, in combination with wrappings of fine wire over the bent ends of the wires forming the grips.

In testimony of which invention I hereunto set my hand.

ELBERT E. HAWKINS.

Witnesses:
R. M. HUNTER,
R. M. KELLY.