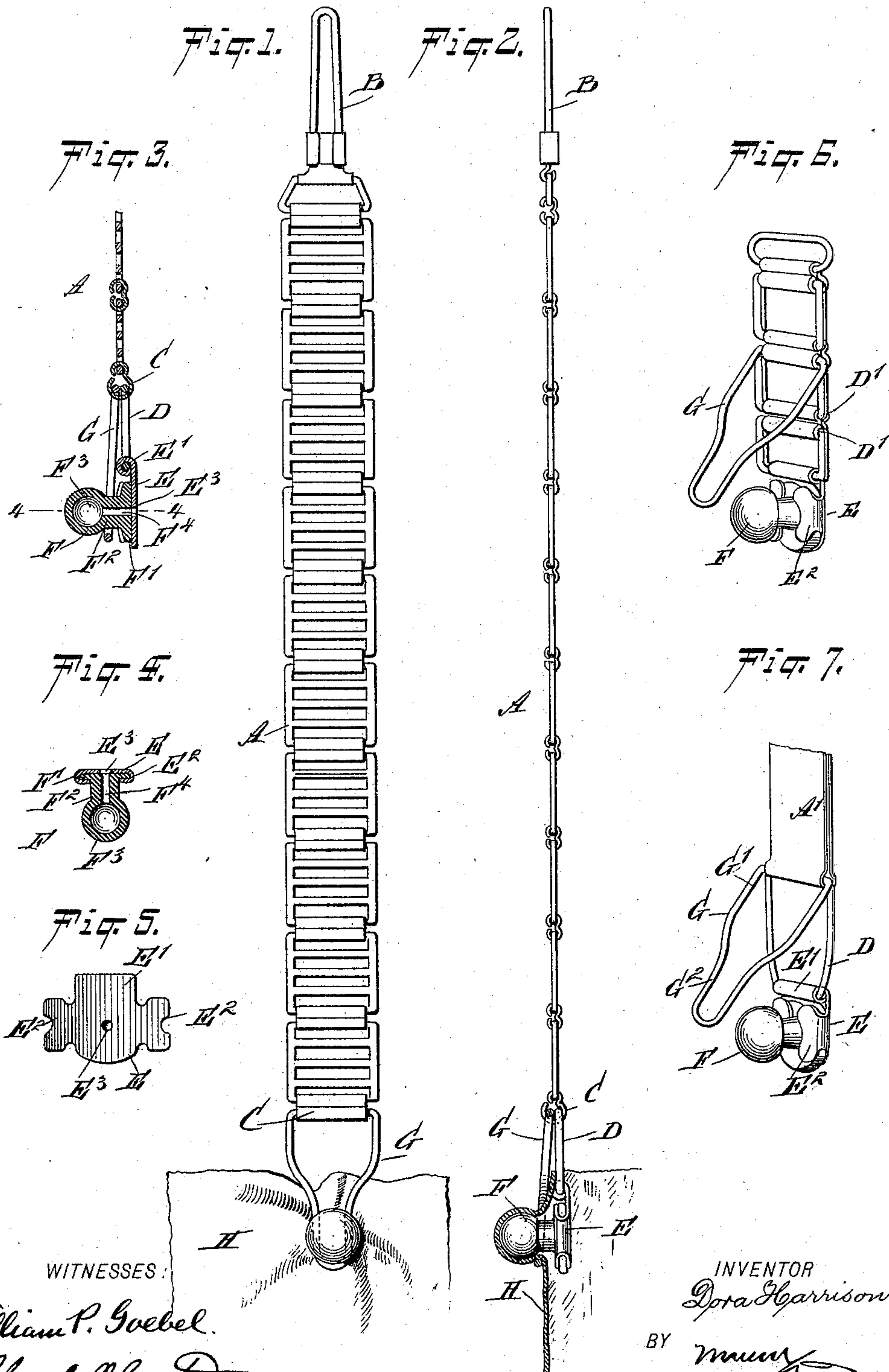


(No Model.)

D. HARRISON.
HOSE SUPPORTER.

No. 605,480.

Patented June 14, 1898.



WITNESSES:

William P. Goebel.
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UNITED STATES PATENT OFFICE.

DORA HARRISON, OF LANSING, MICHIGAN, ASSIGNOR TO THE HARRISON MANUFACTURING COMPANY, OF GRAND RAPIDS, MICHIGAN.

HOSE-SUPPORTER.

SPECIFICATION forming part of Letters Patent No. 605,480, dated June 14, 1898.

Application filed April 22, 1897. Serial No. 633,350. (No model.)

To all whom it may concern:

Be it known that I, DORA HARRISON, of Lansing, in the county of Ingham and State of Michigan, have invented a new and Improved Pneumatic Hose-Supporter, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved hose-supporter arranged to permit the user to conveniently and quickly attach or release the hose.

The invention consists principally of an attaching device provided with an eye, a loop hung in the said eye, a pneumatic ball, and a link connecting the said pneumatic ball with the said eye.

The invention also consists in certain parts and details and combinations of the same, as will be fully described hereinafter and then pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a front elevation of the improvement as applied. Fig. 2 is an edge view of the same with parts in section. Fig. 3 is a sectional side elevation of the improvement. Fig. 4 is a sectional plan view of the pneumatic ball on the line 4-4 of Fig. 3. Fig. 5 is a face view of the pneumatic-ball-plate blank. Fig. 6 is an enlarged perspective view of a modified form of the improvement, and Fig. 7 is a similar view of another modified form.

The improved hose-supporter, as illustrated in Figs. 1 to 5, is provided with an attaching device A, made in the form of a chain and having its upper end provided with a link B for connecting the attaching device to a button or other support on a garment. The lower end of the attaching device A is provided with an eye C, in which is hung a link D, connected at its free end with an eye E', formed on the ball-supporting plate E, carrying the pneumatic ball F, made of rubber or other elastic material.

The pneumatic ball F is provided with a base F', a shank F², and a hollow head F³, from which leads an opening F⁴ down through the shank and base to an aperture E³, formed in the ball-plate E. The latter is provided

with flanges E², adapted to be passed over onto the top of the base F' of the pneumatic ball, so as to clench the latter in place on the ball-plate.

On the eye C of the attaching device A is also hung the ball-loop G, formed with the wide upper portion G' for conveniently introducing the head F³ of the ball as well as a portion of the hose H to be supported, the shank F² of the said ball then sliding with the material down into the narrow portion G² of the said ball-loop to securely hold and lock the hose in place. (See Figs. 1 and 2.)

Now it will be seen that by the arrangement described the pivotal connection between the link D and the ball-plate E permits of conveniently introducing the head of the ball into the loop G, with the hose material covering the ball-head F³, and by having the ball-head F³ hollow it permits of compressing or squeezing the said head, so as to conveniently detach the head with the material from the loop G whenever it is desired to release the hose. The flanges E² are cut out at their inner edges to conform to the shape of the shank F² to prevent the ball from slipping off the ball-plate. (See Figs. 6 and 7.)

It is understood that upon placing the loop G around the fabric and the shank F² the pressure on the latter closes the opening F⁴ and tightens the air cell or head F³ in such a manner as to allow no air to escape from the head. By this arrangement the loop is not liable to slip over the ball, as no air escapes from the top.

As shown in Fig. 6, the ball F, plate E, and loop G are the same as described in the reference to Figs. 1 and 2; but the link D' is made of several sections or in the form of a chain, so as to permit of conveniently introducing the ball into the loop G.

As shown in Fig. 7, the attaching device A' is made in the form of a fabric strap instead of a chain, but otherwise the construction is the same as above described as far as the ball-loop, link D, plate E, and ball F are concerned.

I do not limit myself to the exact construction shown and described, as it is evident that I may vary the same without deviating from the spirit of my invention.

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

5 In a hose-supporter, the combination with an attaching device, of a link pivoted thereto, a ball-supporting plate having an eye pivotally receiving the link, a pneumatic ball comprising a base, a shank, and a head, the base being laid on the ball-supporting plate and be-

ing held by flanges formed on the latter, the said ball-supporting plate having an orifice registering with the cavity in the ball, and a loop hung from said attaching device and capable of embracing the pneumatic ball.

DORA HARRISON.

Witnesses:

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WILLARD F. KEENEY.