

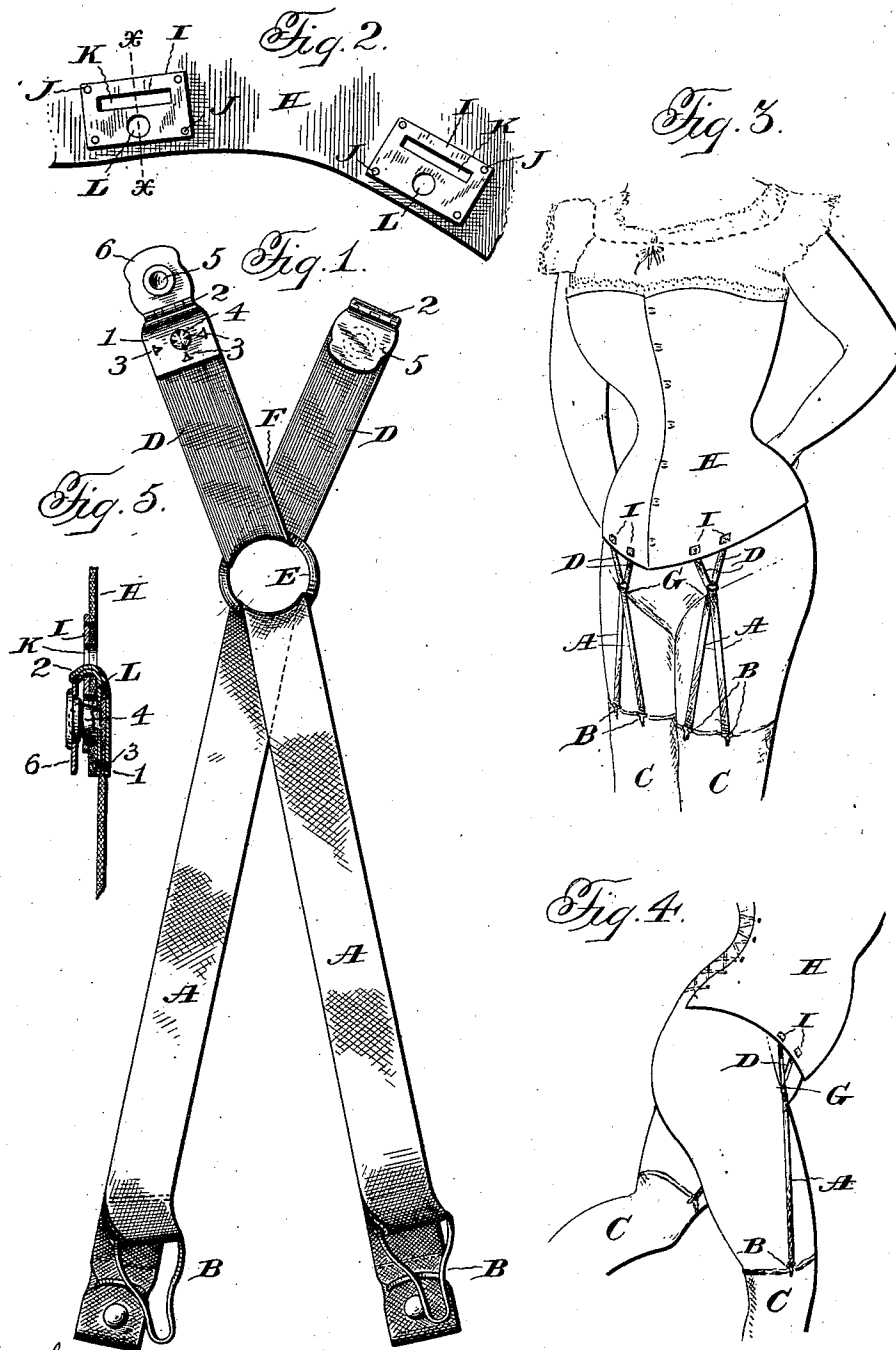
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PATENTED MAR. 24, 1903.

M. VAN DUYN.
SUPPORTER.

APPLICATION FILED NOV. 10, 1902.

NO MODEL.



Witnesses:
Jas. Hutchinson
Thos. H. Harrison

Inventor.
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UNITED STATES PATENT OFFICE.

MARIAN VAN DUYN, OF NEW YORK, N. Y.

SUPPORTER.

SPECIFICATION forming part of Letters Patent No. 723,560, dated March 24, 1903.

Application filed November 10, 1902. Serial No. 130,653. (No model.)

To all whom it may concern:

Be it known that I, MARIAN VAN DUYN, a citizen of the United States, and a resident of No. 45 West Nineteenth street, in the city of New York, in the county and State of New York, have invented a new Supporter, of which the following is a specification.

My invention relates to that class of supporters or garters usually worn by women and children for the purpose of holding the stockings properly in place.

The object of my invention is to provide a device which will firmly and securely support the stocking in place and also hold the corsets in their proper position and which will not bind nor chafe when the body is in motion, but will allow a free and easy movement without pulling or tearing the stockings or chafing the skin of the wearer.

In the various devices now in use and worn by women and children the means of support of the elastic straps or garters is generally a permanent buckle or other similar device, and the result of wearing such a supporter when the body is in motion is to unevenly distribute the tension upon the ends of the supporter where the same is adjusted to the stockings and generally results in injurious pressure on the abdomen and in the movement of the buckle, which becomes uncomfortable and often annoying to the wearer. This also causes unnecessary tension upon the stocking and results in tearing holes in the same. My device obviates all of these difficulties, allows a free motion to the strap, and adjusts itself to every position which the limbs or body of the wearer may take while in motion. At the same time the corset is held in place.

I have illustrated my invention by the accompanying drawings, in which like characters refer to like parts throughout the various figures.

Figure 1 is a plan or flat view of one of my improved supporters. Fig. 2 is a front view of a portion of the lower extremity of an ordinary corset. Fig. 3 is a front perspective view of a female figure and showing a pair of my improved supports in position to support the stockings. Fig. 4 is a side view of a female figure with my improved supporters in position and illustrating the action of the

supporters when the body of the wearer is in motion; and Fig. 5 is a central vertical section on the plane *xx* of Fig. 1 and showing the relation of the fastening device on the upper ends of the supporter, with suitable plates secured to the corset near the lower edge thereof.

A is a strap or band of elastic material provided at its ends with suitable fastening devices B for attachment to the stocking C.

D is a non-elastic strap or band provided at its ends with fastening devices consisting of a sheet-metal plate 1, bent to form a forwardly-trending hook 2, and with its lower extremities confining the end of the strap or band D, and held in proper and fixed relation therewith through the medium of barbs 3, on one of the extremities passing through slots in the other extremity and clenched in an obvious manner as clearly shown at Fig. 5. The forward extremity of the plate 1 is formed with a post 4 similar to the ordinary glove-fastener and adapted to interlock with a corresponding socket 5 within a plate 6, which is connected by a hinge-joint with the forward extremity of the hook 2. Instead of this device any suitable fastener may be employed.

E is a smooth ring suspended upon the upper non-elastic strap or band D, as clearly shown at Fig. 1, and if thought desirable the two diverging portions or arms of said band may be stitched together at the point indicated by the letter F to securely hold the ring in place.

The non-elastic strap or band D is predeterminedly made of such length with reference to anatomical proportions of the wearer that when it is suitably connected with the corset in the manner presently described the ring E will occupy a position over the groin-cavity, as indicated at G in Figs. 3 and 4.

The elastic strap or band A is made predeterminedly longer than the non-elastic strap or band D and of such length that the two ends thereof may be conveniently adjusted to and fastened upon the stocking C. This strap or band is threaded through the ring E, as clearly shown at Fig. 1, and is free to move longitudinally therein in order that during the changing position of the limbs of the wearer the elastic and bodily movements

of said strap or band may take place without disturbing the location of the ring D.

Referring to Fig. 2, H represents the lower front portion of a corset, and I I are two plates 5 secured thereto by suitable rivets J. These plates are each provided with longitudinal slots K for the passage of the hooks 2 on the ends of the strap or band D, so that said hooks take bearing upon the lower edges of said 10 slots, and when the supporters are in proper position the elastic strain thereof tends to hold the lower edge of the corset down in an obvious manner. These plates I are also provided with holes L, through which the posts 15 4 pass, and when the plates 6 are closed down and over the posts 4 the relation between the hooks 2 and the plates I on the corset becomes fixed, and no strain is exerted upon the interlocked posts 4 and sockets 5; but the entire strain is exerted by the hooks 2 upon the 20 plates I, as heretofore explained. As the strap or band D is non-elastic and of such predetermined length that the ring E will be located over the groin-cavity, it will be seen 25 that no pressure by said strap or band is exerted upon the abdomen and that in consequence of the immovability of said strap or band the ring E remains stationary and is not subjected to the vertical and lateral movements common to supporters of ordinary construction and in which the upper band or 30 strap is flexible and the distance between the upper ends of said band, and the ring or buckle attached thereto is variable, owing to the elastic properties and movements of the strap or band, which conditions subject the wearer to an unpleasant and chafing action by the ring or buckle. With my improved supporter, 35 while the upper strap or band and ring or buckle secured thereto are immovable, the lower strap or band, by reason of its elastic property and adaptation to bodily movement through the ring, distributes equally all strain each side of the medial line between the two 40 divergent ends of said strap or band, and thus prevents abnormal strain upon either of the

fastening devices attached to the stocking, thereby reducing the probability of tearing the stocking.

By reason of the non-elastic and immovable 50 conditions of the upper strap or band all tension exerted through the lower strap or band upon the ring intermediate of the two straps or bands is distributed equally through the divergent ends of the upper strap or band in 55 such manner that the strain upon the corset is in a direct line between the shoulders and the knees, thus relieving the abdomen of all pressure, as heretofore explained.

Having described the construction and advantages of my improved supporter, what I claim as new, and desire to secure by Letters Patent, is—

1. A stocking-supporter consisting of an upper non-elastic strap of predetermined length 65 and provided at each end with suitable means for attachment to a corset, a ring centrally supported upon said upper strap and an elastic strap predeterminedly longer than the upper non-elastic strap and provided at its ends 70 with means for attachment to a stocking, said elastic strap movably suspended upon the ring intermediate of the two straps, substantially as hereinbefore set forth.

2. A stocking-supporter having the ends of 75 its upper strap provided with a metallic hook adapted to rest within a slot in a suitable plate attached to a corset, and with a forwardly-projecting post or teat below the hook, in combination with a plate hinged to the extremity 80 of the hook and provided with a suitable socket adapted to interlock with the post or teat on the hook-plate, substantially as and for the purpose set forth.

Signed at the city of New York, county of 85 New York, State of New York, this 6th day of November, 1902.

MARIAN VAN DUYN.

In presence of—

FRED. H. PATTERSON,
JAMES HESS.