

No. 643,288.

Patented Feb. 13, 1900.

H. A. HEINEMAN.

SKIRT SUPPORTER.

(Application filed July 15, 1899.)

(No Model.)

Fig.1.

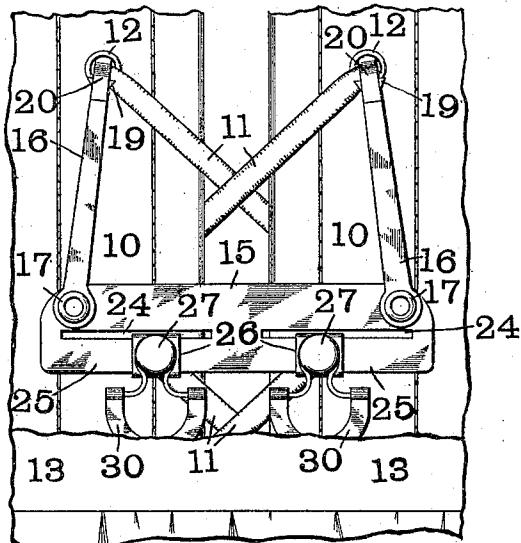


Fig.2.

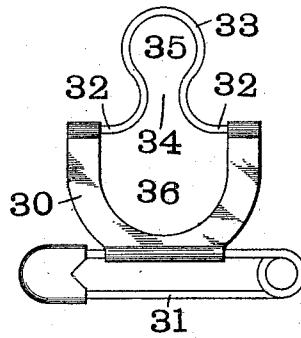


Fig.3.

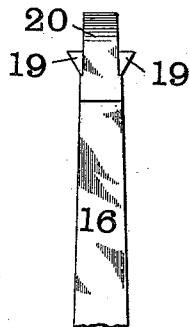


Fig.4.

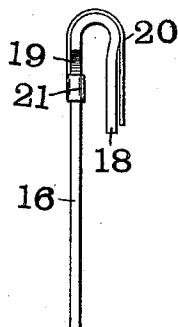
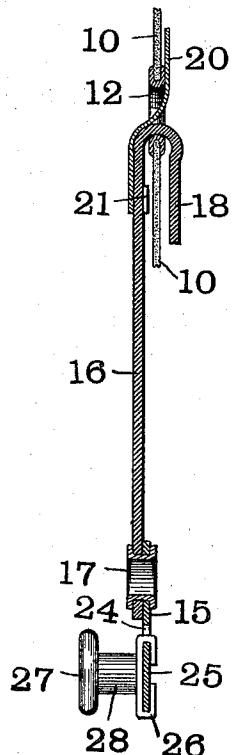


Fig.5.



Witnesses

*W. A. Alexander*  
*David G. Ward*

Inventor

H. A. Heineman  
By Attorneys  
*Fowler & Fowler*

# UNITED STATES PATENT OFFICE.

HARRY A. HEINEMAN, OF ST. LOUIS, MISSOURI, ASSIGNOR OF TWO-THIRDS  
TO CHARLES J. ROBERTS, ALBERT A. MILLER, AND WALTER EICHINGER,  
OF SAME PLACE.

## SKIRT-SUPPORTER.

SPECIFICATION forming part of Letters Patent No. 643,288, dated February 13, 1900.

Application filed July 15, 1899. Serial No. 723,885. (No model.)

*To all whom it may concern:*

Be it known that I, HARRY A. HEINEMAN, a citizen of the United States of America, residing at St. Louis, in the State of Missouri, 5 have invented a certain new and useful Skirt-Supporter, of which the following is such a full, clear, and exact description as will enable any one skilled in the art to which it appertains to make and use the same, reference 10 being had to the accompanying drawings, forming part of this specification.

My invention relates more particularly to that class of skirt-supporters in which the skirt is detachably secured to a guard-plate suspended by means of laterally-adjustable arms from a corset and in which the attachment between the skirt and guard-plate is also preferably arranged to secure a waist in position. One objection to supporters of this 15 class as heretofore made is that when there is an upward thrust on the supporting-arms the upper end of the arm is liable either to slip out of the eyelet of the corset, thus detaching the guard-plate, or else the arm itself 20 will be pushed up through the eyelet to the annoyance and discomfort of the wearer. Another objection to these supporters as heretofore made is the liability of the skirt becoming accidentally detached from the guard- 25 plate. Still another objection to these prior supports is the difficulty of securing the member carried by the skirt in such position as to register accurately with the projection or 30 projections on the guard-plate. The object of my invention is to produce a skirt-supporter which while simple in construction will 35 obviate the above-mentioned difficulties.

My invention consists in part in the combination, with an arm, of means for supporting a skirt from said arm, a hook on said arm adapted to enter the eyelet of a corset, means for preventing the withdrawal of said hook, and means for preventing said arm from passing into said eyelet.

40 My invention also consists in the combination, with a guard-plate, of means for suspending said guard-plate from a corset, a projection carried by said guard-plate, so as to be adjustable horizontally, and means for 45 attaching a skirt to said projection.

My invention also consists in various other novel features and details of construction, all of which are described in the following specification, and pointed out in the claims affixed hereto.

55 In the accompanying drawings, Figure 1 is a view, on a reduced scale, of a supporter made in accordance with my invention and a portion of a pair of corsets and skirt to which the same is attached. Fig. 2 is a detail of the loop adapted to be attached to the skirt. Figs. 3 and 4 are detailed views of the hook for suspending the guard-plate from the corset, and Fig. 5 is a vertical section through one of the supporting-arms and the 60 guard-plate.

65 Like marks of reference refer to similar parts in the several views of the drawings.

10 is a portion of the back of a pair of corsets, the parts of which are secured together 70 by lacing 11, passing through eyelets 12 in the usual manner. 13 represents a portion of the band of a skirt.

15 is a guard-plate, to which two arms 16 are preferably secured by means of pivots 17, 75 so that the said arms will be adjustable laterally. Each of the arms 16 is provided at its upper end with a hook 18, which is preferably made integral with the said arm 16. In any case the hook 18 is made of rigid material—that is, material which will not be readily bent out of shape. In order to prevent the arm 16 from being forced up through the eyelet 12, I provide it with two prongs or 80 teeth 19 adjacent to the hook 18. In order 85 to prevent the accidental withdrawal of the hook 18 from the eyelet 12, I secure to said hook 18 an auxiliary hook 20. The hook 20 may be secured in position by means of clips 21, bent around the arm 16 below the prongs 90 or teeth 19, and also preferably soldered or brazed to said arm. The hook 20 is formed of flexible material, so as to be readily bent into position, so as to prevent the withdrawal of the hook 18. While I prefer to form the 95 hook 20 of some very flexible material, such as a thin strip of copper, all that is necessary is to have the hook of some material which can be bent with reasonable ease. The hooks 18 and 20 are passed through the eyelet 12 to- 100

gether, and after they are in position the hook 20 is bent upwardly, as shown in Fig. 5, so as to prevent a withdrawal of the hook 18.

In the guard-plate 15 are formed two slots 5 24, thus leaving guide-strips 25 at the bottom of said plate. Each of the guide-strips 25 is embraced by a sliding member 26, to which is secured a button 27, having a shank 28.

30 is a U-shaped member, to the lower end 10 of which is attached a pin 31 for securing the said part 30 to the band 13 of the skirt. The pin 31 is preferably made similar to an ordinary safety-pin. Secured in the ends of the arms of the U-shaped part 30 are the ends 32 15 of a spring-loop 33. The spring-loop 33 has a contracted portion 34 between the main opening 35 of said loop and the opening 36 of the U-shaped part 30. The opening 36 is made large enough to allow one of the buttons 27 to pass freely through it. The width 20 of the contracted portion 34 is preferably slightly less than the diameter of the shank 28 of the button 27, so that the said portion will be slightly sprung in passing over the 25 said shank. The ends 32 of the loop 33 are preferably loosely mounted on the arms of the U-shaped part 30, so as not only to allow a pivotal movement of the loop 33 to enable the loop more readily to be secured over the 30 button 27, but also to allow a longitudinal movement of the ends 32 when the contracted portion 34 is sprung apart.

In using my supporter the hooks 18 and 20 are slipped through the eyelet 12 together and 35 the hook 20 bent up, as shown in Fig. 5. As has been above described, this will prevent the withdrawal of the hook from the eyelet, and the prongs 19 will prevent the arms 16 from being forced upward through the eyelet. 40 The U-shaped parts 30 are secured to the band 13 by means of a pin 31. The buttons 27 are now passed through the opening 36 of the U-shaped parts 30 and the contracted portion 34 of the loops 33 sprung over the 45 shank 28 of the buttons 27. Before this is done the waist is preferably placed over the buttons 27, so as to be held down by the loops 33 in the usual manner. The contracted openings 34 will prevent the said loops from being 50 accidentally detached from the buttons 27. On account of the horizontal movement of the buttons 27 they will adjust themselves to the position of the loops 33, and this will prevent the band 13 from being drawn out of 55 shape, as might otherwise occur.

I do not wish to limit myself to the exact

construction shown and described, as many changes may be made without departing from the spirit of my invention.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. In a skirt-supporter, an arm, means for securing a skirt to said arm, a hook carried by said arm and adapted to removably engage with the eyelet of a corset, means adapted to be thrown into position after the insertion of the hook for preventing its accidental withdrawal from the eyelet, and means for preventing said arm from entering said eyelet. 65

2. In a skirt-supporter, an arm, means for securing a skirt to said arm, a rigid hook carried by said arm and adapted to enter the eyelet of a corset, and a flexible hook adapted to enter said eyelet and to be bent into position to prevent the withdrawal of said rigid hook. 70

3. In a skirt-supporter, a guard-plate, means for securing said guard-plate to a corset, a sliding member carried by said guard-plate, 80 and means for detachably securing a skirt to said sliding member.

4. In a skirt-supporter, a guard-plate, means for securing said plate to a corset, a button carried by said guard-plate, a member adapted to be secured to a skirt and provided with an opening for the passage of said button, and a spring-loop pivotally mounted on said member and adapted to be sprung over the shank of said button. 85

5. In a skirt-supporter, a guard-plate adapted to be secured to a corset, a button carried by said guard-plate, a U-shaped member, a spring-loop carried by said U-shaped member and adapted to be sprung over said button, and a pin carried by said U-shaped portion and adapted to engage with a skirt or similar garment. 90

6. In a skirt-supporter, a guard-plate, arms pivotally mounted on said guard-plate for suspending the same from the eyelets of a corset, two sliding members carried by said guard-plate, and devices for detachably securing a skirt to said sliding member. 95

In testimony whereof I have hereunto set my hand and affixed my seal in the presence of the two subscribing witnesses.

HARRY A. HEINEMAN. [L. S.]

Witnesses:

W. A. ALEXANDER,  
C. D. GREENE, Jr.