

No. 809,074.

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H. F. NILES.
GARMENT SUPPORTER.
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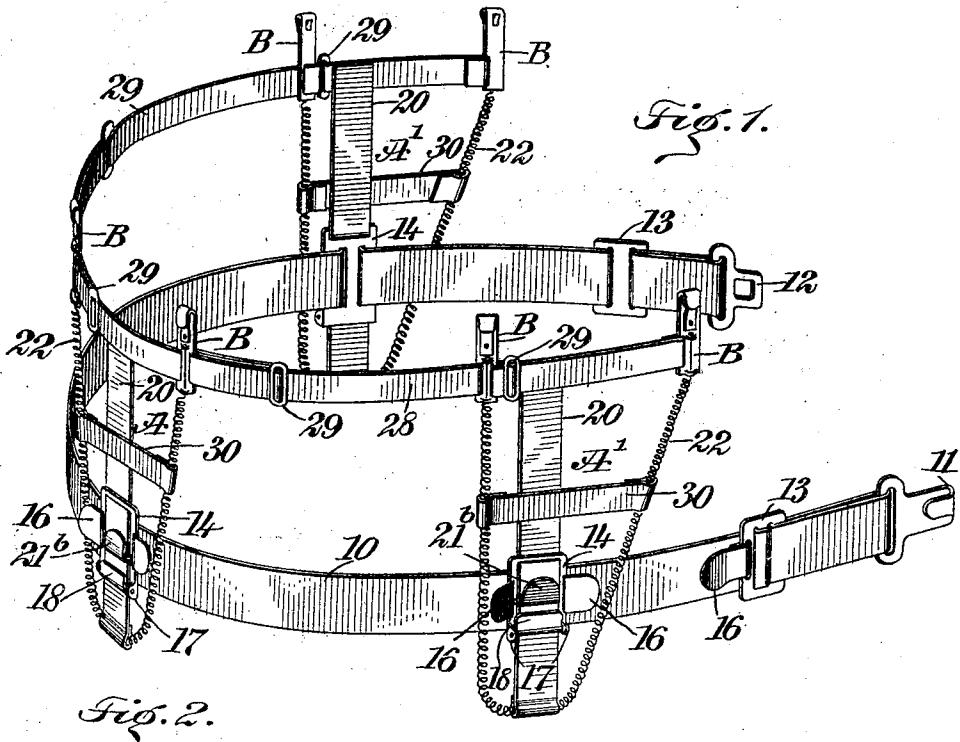
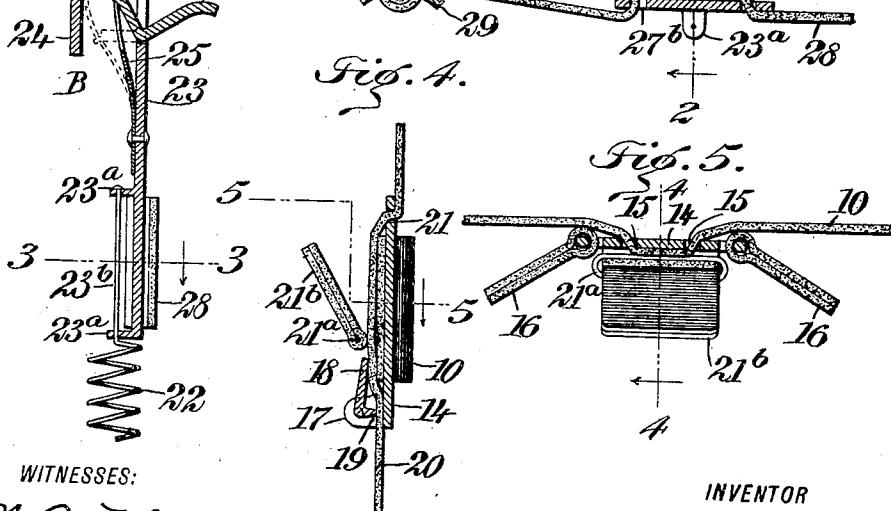


Fig. 2.

Fig. 3.

Fig. 4.

Fig. 5.



WITNESSES:

St. C. Abbott
S. H. Gold.

INVENTOR

Harry F. Niles

BY

[Signature]

ATTORNEYS

UNITED STATES PATENT OFFICE.

HARRY FLOYD NILES, OF CHICAGO, ILLINOIS.

GARMENT-SUPPORTER.

No. 809,074.

Specification of Letters Patent.

Patented Jan. 2, 1906.

Application filed December 21, 1904. Serial No. 237,810.

To all whom it may concern:

Be it known that I, HARRY FLOYD NILES, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented a new and Improved Garment-Supporter, of which the following is a full, clear, and exact description.

My invention relates to supports for garments, and more particularly to belt-suspenders for trousers. Its principal objects are to provide a concealed support for such garments as hip-trousers which will be effective, comfortable, and readily adjustable to the wearer and garment.

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 perspective view of one embodiment of my invention. Fig. 2 is an enlarged sectional detail through one of the garment-clasps, it being taken on the line 2 2 of Fig. 3. Fig. 3 is a horizontal sectional detail on the line 3 3 of Fig. 2. Fig. 4 is an enlarged vertical section through one of the supporting members, taken on the line 4 4 of Fig. 5; and Fig. 5 is a vertical section on the line 5 5 of Fig. 4.

10 designates a belt, of some suitable flexible material, adapted to encircle the hips of the wearer somewhat below the waist-line and having securing devices, which are here shown as comprising a hook 11 and a coacting loop 12. To adjust the length of the belt, slides 13 of the ordinary slotted type may be provided. Carried by the belt are supporting members or slides 14, which in the present instance are three in number and each having slots 15 15, through which the belt 16 passes. The slides may be moved along the belt conveniently by means of opposite tags 16 attached thereto. These tags may also be applied to the slides 13 for the same purpose. At each side of the lower portion of

45 each supporting-slide is a lug 17, and in these lugs upon each slide is pivoted a lever 18, having an inner engaging end 19, which acts to lock against the slide a flexible suspending member 20, which above the lever passes 50 through a slot 21 in the slide. To enable the lever to be readily disengaged to permit movement of the suspending member, a loop 21^a may surround it between the lever and the slot 21 and have connected to it a tag 21^b, by which 55 the member and lever may be together drawn outwardly to release the former. Supported

upon the slides 14 by their suspending members are carriers A A' A', which may each comprise a generally U-shaped spring 22, preferably coiled or in spiral form and having its bottom portion engaged by the suspending member. Its sides extend upwardly beyond the belt, and each of these has mounted upon it means for engaging the garment, which is shown in the form of a clasp B. Each of these clasps consists of a plate 23, having projecting from it transverse lugs 23^a, through which a straight end of the spring extends at 23^b and is headed above the upper lug to prevent displacement. The plates are thus pivoted upon the ends of the spring, they resting upon the upper convolutions. Each clasp-plate has a hooked upper extremity 24 to contact with the garment to be supported—as, for example, to extend over the band of the trousers—and between the hooked end and the main portion of the plate, upon the latter, is fixed a spring-tongue 25, having at its outer side opposite the hook teeth projections 26, which may be forced into engagement 80 with the garment by a lever 27, fulcrumed upon the plate and operating through an opening 27^a. At each side of the pivotal connection with the spring the plates are preferably provided with slots 27^b to receive a connecting-band 28, which may be in sections, with slotted adjusting-slides 29, so that the relation between the clasps may be readily varied. To these band-sections the upper ends of the suspending members may be attached. The rear carrier A is shown as having sides symmetrically arranged with regard to a central axis, while those designated by the character A' have one arm substantially vertical and the other at the side toward the securing device 95 of the belt is inclined forwardly. The sides of each of the springs are preferably connected by elastic bands 30, preventing undue yield or displacement.

In use the belt is adjusted about the wearer and the carriers properly positioned over the hips by means of the longitudinal movement of the slides thereon. The flexible members may then be slid up or down beneath the levers to provide for different lengths of garments 105 or the relation of the band to the waist. The garment-band is then fixed in the clasps by forcing the tongues into contact with its inner side by means of their levers, which in this position lie in the plate-openings.

It will be seen that my improved supporter, save for the inconspicuous ends of the hooks,

is entirely concealed from sight and that the yield of the belt and bands, the elasticity of the springs, and the pivotal connection of the clasps with said springs enables every element 5 to perfectly adjust itself to the form and movements of the wearer.

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

1. A garment-supporter comprising a belt, 10 yieldable carriers mounted thereon, garment-clasps mounted upon the carriers, and a band connecting the clasps.

15 2. A garment-supporter comprising a belt, yieldable carriers mounted upon the belt and being movable longitudinally and transversely thereof, garment-clasps mounted upon the carriers, a band connecting the clasps, and means for varying the length of the band.

3. A garment-supporter comprising a belt, 20 yieldable carriers mounted thereon, garment-clasps mounted upon the carriers and each comprising a hook which may extend over the garment, a spring-tongue for engagement with the garment movable within the hook, 25 and a band connecting the clasps below the hooks and tongues.

4. A garment-supporter comprising a belt, a supporting member mounted upon the belt, a spiral spring carried by the supporting member and being free to yield laterally, and a garment-clasp mounted upon the spring. 30

5. A garment-supporter comprising a belt, a slide movable upon the belt, a spiral spring carried by the slide and being free to yield 35 laterally, and a garment-clasp mounted upon the spring.

6. A garment-supporter comprising a belt, a supporting member mounted upon the belt, a flexible member extending therefrom, a spring 40 connected to the flexible member and extending above the belt, and a garment-clasp mounted upon the spring.

7. A garment-supporter comprising a belt, a supporting member mounted upon the belt, a flexible member extending therefrom, a spring 45

connected to the flexible member and extending above the belt, and a garment-clasp pivoted upon the spring.

8. A garment-supporter comprising a belt, a supporting member mounted upon the belt, a flexible member extending from and being movable through the supporting member, a spring connected to the flexible member and extending above the belt, and a garment-clasp mounted upon the spring. 50

9. A garment-supporter comprising a belt, a supporting member mounted upon the belt, a flexible member extending therefrom, a generally U-shaped spring connected at its lower portion to the flexible member, and garment-clasps mounted upon each of its upper ends. 55

10. A garment-supporter comprising a belt, a supporting member mounted upon the belt, a flexible member extending therefrom, a generally U-shaped spiral spring connected at its lower portion to the flexible member, and garment-clasps mounted upon each of its upper ends. 60

11. A garment-supporter comprising a belt, a supporting member mounted upon the belt, a flexible member extending therefrom, a generally U-shaped spring connected at its lower portion to the flexible member, garment-clasps mounted upon each of its upper ends, and a band connecting the clasps. 65

12. A garment-supporter comprising a belt, a supporting member mounted upon the belt, a flexible member extending therefrom, a generally U-shaped spring connected at its lower portion to the flexible member, a band joining the opposite sides of the spring, and garment-clasps mounted upon each of the upper ends of the spring. 70

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses. 85

HARRY FLOYD NILES.

Witnesses:

ALBERT S. KUX,
HERMAN E. WARNER.