

No. 740,414.

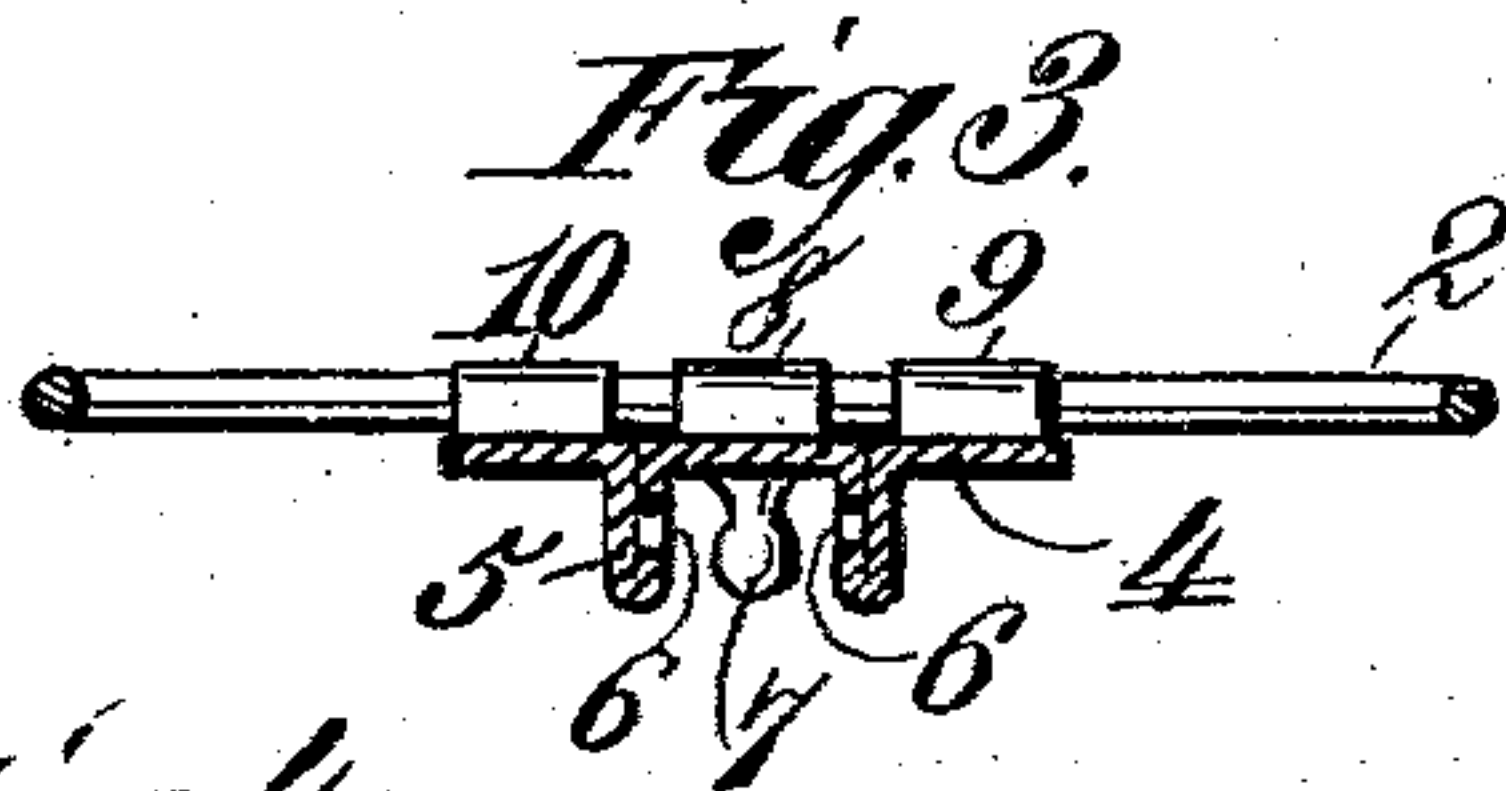
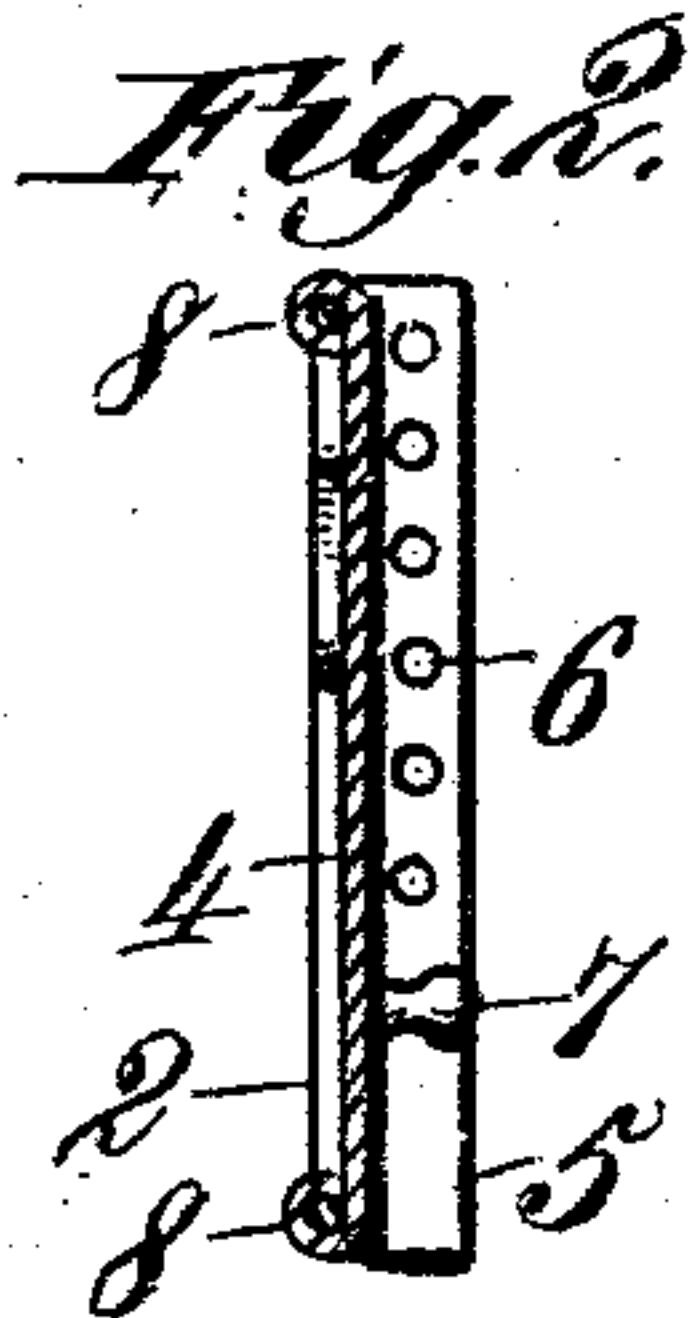
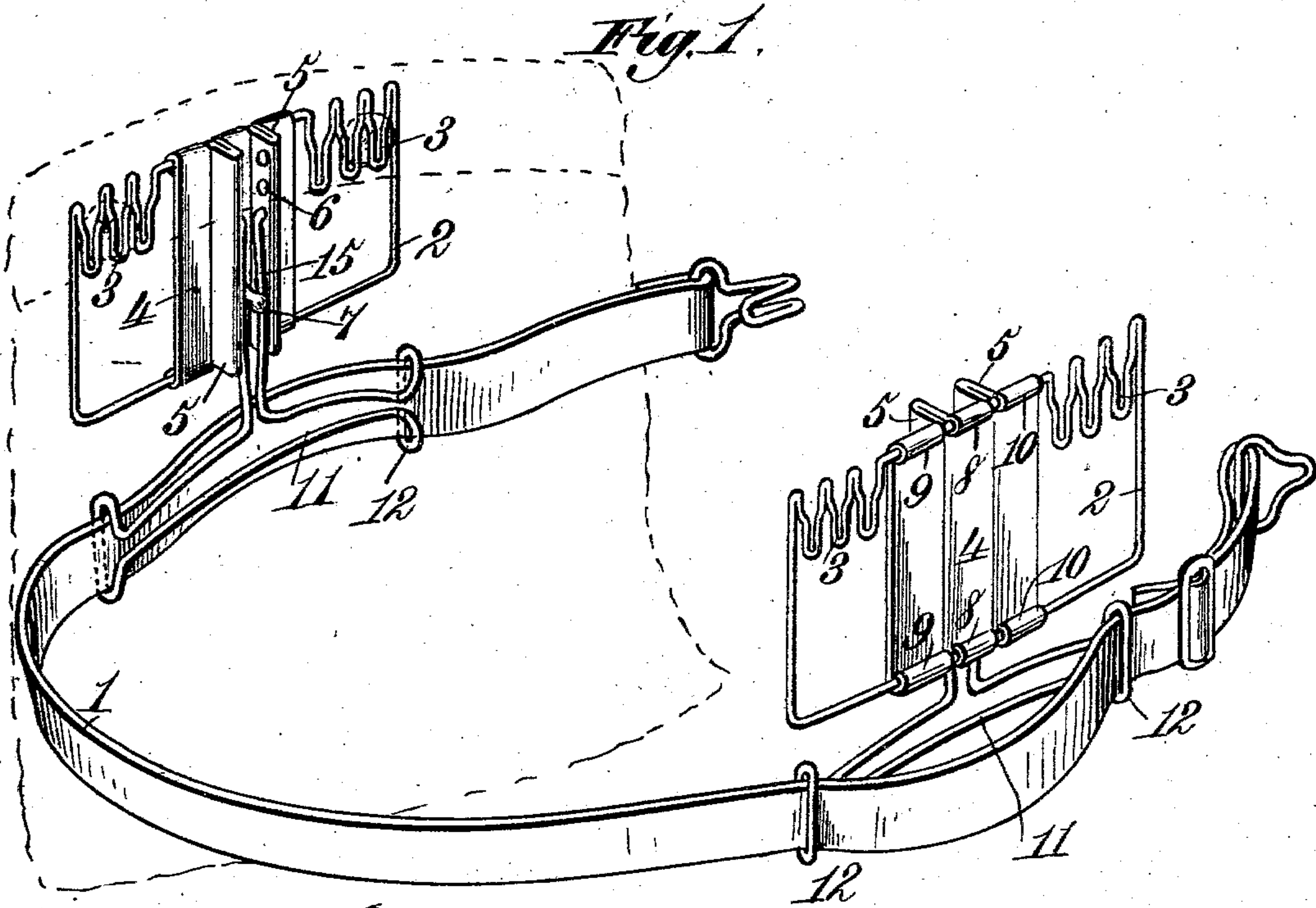
PATENTED OCT. 6, 1903.

H. L. GALL & E. L. ANNAN.

GARMENT SUPPORTER.

APPLICATION FILED JAN. 22, 1903.

NO MODEL.



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UNITED STATES PATENT OFFICE.

HENRY L. GALL AND EDGAR L. ANNAN, OF EMMITSBURG, MARYLAND.

GARMENT-SUPPORTER.

SPECIFICATION forming part of Letters Patent No. 740,414, dated October 6, 1903.

Application filed January 22, 1903. Serial No. 140,169. (No model.)

To all whom it may concern:

Be it known that we, HENRY L. GALL and EDGAR L. ANNAN, citizens of the United States, residing at Emmitsburg, in the county of Frederick and State of Maryland, have invented new and useful Improvements in Garment-Supporters, of which the following is a specification.

This invention relates to garment-supporters, and particularly to a device for supporting men's trousers, and it employs a belt adapted to be fastened around the waist of the wearer and provided with means for detachably and adjustably connecting the belt to the buttons on the waistband of the trousers; and it has for its objects, first, to provide improved means for connecting the belt to the buttons of the trousers, said connecting means being constructed in such manner that the supporter may be applied to different trousers wherein the buttons are set at different distances apart; second, to provide improved means for adjusting the height of the trousers; lastly, to improve and simplify the construction and render more effective the operation of this class of garment-supporters generally.

To these several ends the invention consists in the features and in the construction and combination and arrangement of parts hereinafter described, and particularly pointed out in the appended claims following the description, reference being had to the accompanying drawings, wherein—

Figure 1 is a perspective view of the improved garment-supporter, showing by dotted lines a portion of a garment attached thereto. Fig. 2 is a vertical sectional view taken centrally through one of the fastenings. Fig. 3 is a sectional view taken at a right angle to Fig. 2. Fig. 4 is a detail view of one of the hangers.

Referring to the drawings, the numeral 1 indicates a belt of any preferred or suitable construction and provided with means for fastening the same about the waist of the wearer. Said belt is adapted to be connected by the means hereinafter described.

2 is substantially a rectangular frame formed from a single piece of wire, the wire constituting the upper side of said frame being alternately bent in opposite directions to

form two series of vertical substantially V-shaped loops 3, which are open at their lower ends, as shown. The numeral 4 indicates the plate, which may conveniently consist of sheet metal, said plate being crimped or doubled upon itself vertically to form two inwardly-projecting flanges 5, said flanges being disposed at a slight distance from and parallel to one another, the inner walls of said flanges being each provided with a series of perforations 6, the perforations in one of the flanges registering with the perforations in the other. Attached to the plate 4 between the lower ends of said flanges is a headed button or spreader 7, having a rounded head, as shown, the purpose of which will be presently described. The plate 4 is attached centrally to the wire frame by bending the ends of the plate around the wire, as shown at 8, 9, and 10.

Adapted to be attached to the belt 1 is a hanger 11, consisting of a single piece of wire bent to form two loops 12, which embrace the belt, and intermediate connecting portions 13 and 14, the portions 14 where they meet being bent up vertically in parallelism, as shown at 15, the upper ends of said vertical portions 15 being bent outward in opposite directions at right angles, as shown at 16. The belt is loosely held by the loops 12, so that the hanger may be adjusted thereon with ease. The upper hooked portions 16 of the hanger engage two of the perforations 6 in the plate 4, whereby the belt is connected to the plate and through the latter to the wire frame.

In practice the buttons are sewed to the inner side of the waistband of the trousers, and there will be provided for each belt two or three of the last-named devices described, as may be desired.

The operation of our improved supporter will be readily understood. A belt is adjusted and fastened about the waist of the wearer, and the hooked ends 16 of the hanger are fitted in two of the perforations 6 of the plate, thus securing the wire frame to the belt through the medium of a plate and hanger. Each of the wire frames is then secured to its two corresponding buttons by slipping two of the V-shaped loops 3 over the buttons. It will readily be seen that the buttons may be placed at a greater or less distance apart and

that by causing the proper loops to engage said buttons the fastening will be effected, the distance within certain limits which the buttons may be secured apart being therefore immaterial. The two parallel portions 15 of the hanger are sprung over the headed spreader 17 and lie between the shank and the latter and the flanges 5, whereby said portions of the hanger are spread apart and their hooked ends 16 are securely retained in the perforations 6. By sliding the hanger around on the belt it may be instantly adjusted in proper relation to the buttons or to the fastening device carried thereby, and by shifting the hooked ends 16 of the hanger from one pair of perforations 3 to another the height of the trousers may be adjusted with ease and despatch.

It will be obvious to those skilled in the art that many of the details of construction herein shown and described may be altered or modified without departing from the spirit of our invention, and we do not wish to be understood as confining ourselves thereto excepting as hereinafter pointed out in the appended claims.

Having thus described the invention, what is claimed is—

1. In a garment-supporter, the combination with a belt, of a frame provided with two series of button-attaching devices adapted to be interchangeably connected to pairs of buttons arranged at different distances apart, and means for connecting the same to the belt, substantially as described.

2. In a garment-supporter, the combination with a belt, of a frame provided with two series of button-attaching devices adapted to be interchangeably connected to pairs of buttons arranged at different distances apart, and means for detachably connecting the same to the belt, substantially as described.

3. In a garment-supporter, the combination with a belt, of a frame provided with two series of button-attaching devices adapted to be interchangeably connected to pairs of buttons arranged at different distances apart, and vertically-adjustable means for connecting the same to the belt, substantially as described.

4. In a garment-supporter, the combination with a belt, a frame provided with two series of button-attaching devices adapted to be interchangeably connected to pairs of buttons arranged at different distances apart, and laterally-adjustable means for connecting the same to the belt, substantially as described.

5. In a garment-supporter, the combination with a belt, of a frame provided with two series of button-attaching devices adapted to be interchangeably connected to pairs of buttons arranged at different distances apart, and both laterally and vertically adjustable means connecting the same to the belt, substantially as described.

6. In a garment-supporter, the combination with a belt, of a wire frame having one of its

sides bent alternately back and forth to form two series of vertical loops open at their lower ends for engaging a pair of buttons, and a hanger adjustable on the belt and connected with said frame, substantially as described.

7. In a garment-supporter, the combination with a belt, of a wire frame having one of its sides bent alternately back and forth to form two series of vertical loops open at their lower ends for engaging a pair of buttons, and a hanger adjustable on the belt and detachably connected with said frame, substantially as described.

8. In a garment-supporter, the combination with a belt, of a wire frame having one of its sides bent alternately back and forth to form two series of vertical loops open at their lower ends and engaging a pair of buttons, a hanger connected to the belt and with said frame, and means for vertically adjusting the hanger relatively to the frame, substantially as described.

9. In a garment-supporter, the combination with a belt, of a wire frame having one of its sides bent alternately back and forth to form two series of vertical loops for engaging a pair of buttons, a hanger adjustable on the belt and connected to said frame, and means for vertically adjusting the hanger relatively to the frame, substantially as described.

10. In a garment-supporter, the combination with a belt, of a wire frame having one of its sides bent alternately back and forth to form two series of vertical loops for engaging a pair of buttons, a plate attached to said frame and provided with two vertically parallel ribs having registering perforations, and a hanger attached to the belt and provided with two hooked arms adapted to engage any pair of corresponding perforations in the ribs to connect the loops and belt, substantially as described.

11. In a garment-supporter, the combination with a belt, of a wire frame having one of its sides bent alternately back and forth to form two series of vertical loops for engaging a pair of buttons, a plate attached to said frame and provided with two vertical parallel ribs having registering perforations, a hanger attached to the belt and provided with two hooked arms adapted to engage any pair of corresponding perforations in the ribs to connect the loops and belt, and a spreader for spreading apart the hooked arms and hold them in engagement with the perforations, substantially as described.

12. In a garment-supporter, the combination with a belt, of a wire frame having one of its sides bent alternately back and forth to form two series of loops for engaging a pair of buttons, a plate attached to said frame and provided with two vertical parallel ribs having registering perforations, a hanger attached to the belt and provided with two hooked arms adapted to engage any pair of corresponding perforations in the ribs to connect the loops and belt, and a spreader for

5 spreading apart the hooked arms to hold them in engagement with the perforations, said spreader comprising a headed button attached to the plate between said ribs, substantially as described.

10 13. In a garment-supporter, the combination with a belt, of a wire frame having one of its sides bent alternately back and forth to form two series of vertical loops for engaging a pair of buttons, a plate attached to said frame and provided with two vertical parallel ribs having registering perforations, and bent at its ends about the wire frame, and a hanger attached to the belt and provided with 15 two hooked arms adapted to engage any pair of corresponding perforations in the ribs to connect the loops and belt, substantially as described.

20 14. In a garment-supporter, the combination with a belt, of a wire frame having one

of its sides bent alternately back and forth to form two series of loops for engaging a pair of buttons, a plate attached to said frame and provided with two vertical parallel ribs having registering perforations, and a hanger 25 comprising a wire bent to form two loops which loosely embrace the belt and two vertical parallel arms terminating in hooked ends which are adapted to engage any pair of corresponding perforations in the ribs to connect the loops and belt, substantially as described. 30

In testimony whereof we have hereunto set our hands in presence of two subscribing witnesses.

HENRY L. GALL.
EDGAR L. ANNAN.

Witnesses:

JOHN D. ELDER,
WILLIAM S. SELOURE.