

(No Model.)

G. E. ADAMS.
GARMENT SUPPORTER.

No. 461,601.

Patented Oct. 20, 1891.

Fig. 1.

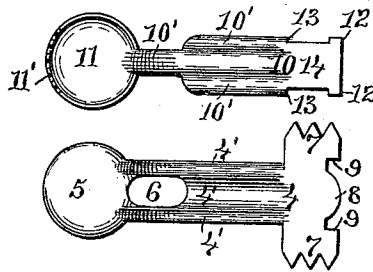


Fig. 2.

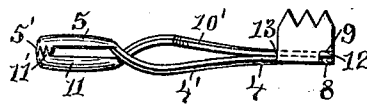
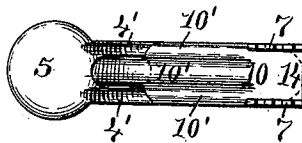


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

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GARMENT-SUPPORTER.

SPECIFICATION forming part of Letters Patent No. 461,601, dated October 20, 1891.

Application filed June 13, 1891, Serial No. 396,087. (No model.)

To all whom it may concern:

Be it known that I, GEORGE E. ADAMS, of the city of Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Garment-Supporters; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

This invention has reference to improvements in garment-supporter clasps.

The object of this invention is to produce a spring-clasp the arms of which will have greater resilience than as heretofore constructed.

The further object of this invention is to produce a spring-clasp the parts of which may be secured together and to the garment-supporter proper in an extremely simple manner without the use of rivets or solder.

To attain these ends I have invented certain peculiar features of construction and combination of novel parts, which will be more fully described hereinafter, and pointed out in the claim.

Figure 1 is a view of the separated portions of which the clasp is composed. Fig. 2 is an edge view of the completed clasp. Fig. 3 is a top view of the same.

Similar numbers of reference designate corresponding parts throughout.

In the drawings, 4 indicates the lower plate, which has the concave clamping-disk 5, one edge of which is provided with serrations 5'. The shank of this plate is stamped into longitudinal corrugations 4', the center one of which is shortened by the slot 6, cut or stamped out of the plate 4 near the edge of the disk 5, the remaining corrugations forming arms connecting the disk 5 with the main portion of the plate, which at the end opposite this disk 5 has the ears 7 7, the edges of which are serrated, while the extreme end is stamped or cut out to form the tongue 8 and the shoulders 9 9, the distance between these shoulders being slightly greater than the width of the corrugated portion of the plate 4.

The plate 10 is of a length and width equal to that of the plate 4. It also has longitudinal corrugations 10', the central one of which extends beyond the side corrugations, forming a connecting-arm, on the end of which is

carried the concave clamping-disk 11, having the teeth or serrations 11'. The rear end of this plate is contracted, as shown, to form the lips 12 12 and shoulders 13 13, the contracted portion 14 between these being slightly less in width than the width of the plate 4.

In stamping out the plates described the corrugations forming the arms of the plate 4 are bent to bring the concave side of the disk 5 on a plane above that of the plate, while the arm formed by the central corrugation of the plate 10 is bent to bring the concave side of the disk 11 on a plane below that of the plate 10. The slot 6 is long enough to allow the corrugated portion of the plate 10 to pass through. After passing this portion through the slot 6 as far as the central arm the plate is turned to bring the concave sides of the clamping-disks together and allowing the rear portions of the plates to lie flat together. The ears 7 7 are now bent at right angles to the surface of the plate 4, the shoulders 9 9 being bent over and engaging with the ears 12 of the plate 4, while the ears 7 7 closely engage the edges of the contraction 14 and secure both plates together. When the web or strap supporting this clamp is placed between the ears 7 7 and these ears are bent over on it, the plates are more firmly fixed in place.

By the use of the longitudinal corrugations additional resilience is imparted to the metal forming the plates, and by this means I have been enabled to use a much cheaper quality of metal than has heretofore been possible.

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

In a garment-support clasp, the combination, with the longitudinally-corrugated plate 4, having the concave disk 5 provided with a serrated edge, the slot 6, ears 7 7, tongue 8, and shoulders 9 9, of the longitudinally-corrugated plate 10, the arm of which extends through the slot 6 and having the concave plate 11 provided with serrations 11', a contracted portion 14, adapted to be grasped between the bent-up ears 7 7, and the ears 12, engaging with the shoulders 9 9 of the plate 4, as and for the purpose described.

GEORGE E. ADAMS.

Witnesses:

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