April 26, 1927. 1,626,305

R. STEPHENSON

GARMENT SUSPENDER

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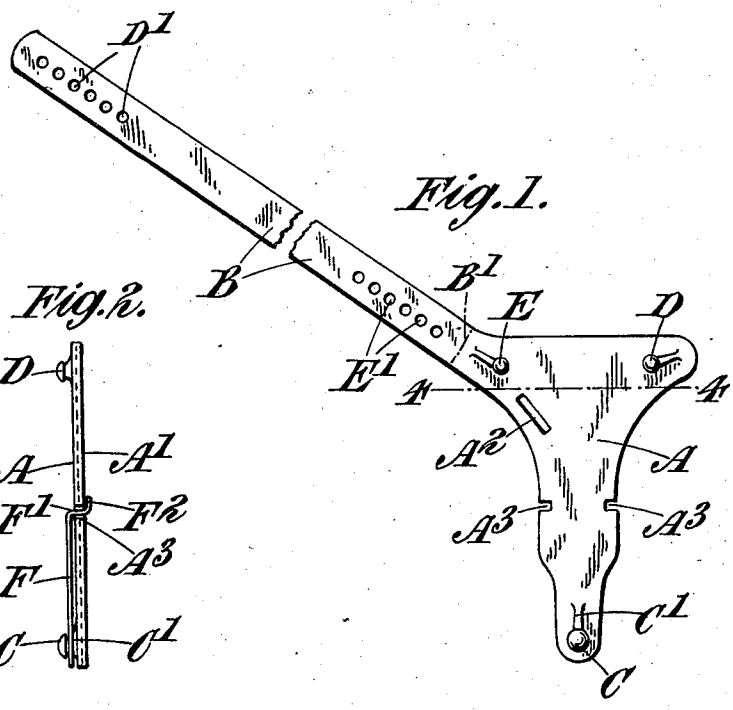


Fig. 1.

Fig. 2.

Fig. 3.

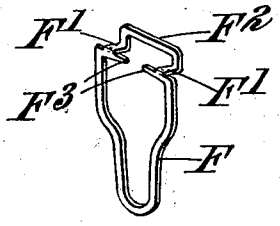
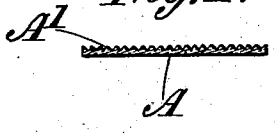


Fig. 4.



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UNITED STATES PATENT OFFICE.

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GARMENT SUSPENDER.

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This invention relates to garment suspenders especially for stockings, socks and the like and has for its object to provide a suspender having a minimum number of parts which can be assembled without stitching or like means.

As a rule, the portion of a suspender which actually engages the stocking or sock comprises a metal clip in the form of a plate having a key-hole slot therein, adapted to engage a rubber stud or button formed on or connected to a tag of rubber or the like. Hitherto the upper end of the slotted metal plate has been connected to the tag by means of a loop of elastic or fabric or it has been carried by a separate tag which lies above that which carries the rubber stud.

According to this invention the tag which carries the stud is provided with lateral slots so that it can be sprung into engagement with arms or trunnions formed on the back of the slotted plate about which the plate can then pivot. The plate is preferably pressed from sheet metal, celluloid or other suitable material.

When the invention is applied to a sock suspender of the known triangular pad type, the entire pad together with the strap portion which encircles the leg may be formed from a single piece of rubber, the pad not only having at its lower extremity a slotted tag carrying a stud as already described, but also being furnished with one or more additional and similar studs to engage holes in the strap portion and with one or more slots through which the free end of the strap may be passed so as to lie between the pad and the wearer's leg.

One construction of sock suspender embodying the present invention is shown by way of example in the accompanying drawings in which—

Figure 1 is an elevation showing the suspender without the metal clip,

Figure 2 is a sectional elevation of the pad showing the clip in its closed position.

Figure 3 is a perspective view of the metal clip detached, and

Figure 4 is a section on the line 4—4 of Figure 1.

The suspender illustrated comprises a substantially triangular rubber pad portion A having a strap portion B formed in one with it, if desired one or both these parts being provided on their rear face with ribs or corrugations such as A^1 (Figure 4) to ensure ventilation. The lower end of the pad carries a stud C the neck of which has a reinforcing web C^1 adapted to engage the sock in the known manner.

A similar stud D is provided at the upper corner of the pad opposite the strap portion and, if desired, an identical stud E may be formed on the face of the pad at the junction between the pad and the strap. When an additional stud E is provided, the strap can, at the option of the wearer, be severed from the pad along the dotted line B^1. The strap portion is furnished with a set of perforations D^1, which can engage the stud D after the strap has been passed round the wearer's leg, the free end being then inserted through the slot A^2. If the strap portion is to be severed from the pad, an additional set of perforations E^1 are provided one of which is caused to engage the extra stud E.

The metal portion of the clip comprises a single metal plate having a key-hole portion F, the reduced end of which engages the stud C after the sock has been inserted between them in the usual manner. Instead of the clip being pivotally connected to the pad by means of an elastic loop or tag in the usual way, the plate has rearwardly extending arms F^1 projecting at right angles to its main portion which constitute pivots or trunnions adapted to engage slots A^3 formed in the edges of the pad, at their inner ends these arms being extended upwards and connected together by a transverse member F^2. Further, the main portion has arms F^3 which extend towards the centre of the tag, as clearly shown in Figure 3.

The shape of the complete metal plate is such that the tag can be sprung into engagement therewith and when so engaged the rearwardly extending arms F^1 form pivots about which it can turn and the rear transverse member F^2 and front arms F^3 limit this pivotal movement and prevent the clip being detached from the tag.

Hence, in its simplest form, a sock suspender according to this invention comprises only two separate components—one of rubber and one of metal—each of which can be simply made and which can be instantly assembled without the aid of stitches, rivets or the like.

It is to be understood that though primarily designed for a sock suspender of

the pad type having an integral pad and strap, the metal clip and its cooperating rubber stud and integral supporting tag may be applied to other forms of suspender and that, if desired, a strap or garter of elastic, leather or fabric, separate from the pad, may be used without departing from the invention.

What I claim as my invention and desire to secure by Letters Patent is:—

1. In a garment suspender the combination of a resilient tag having lateral slots therein, a stud on the face of the tag and a separable clip member comprising a loop portion adapted to cooperate with the stud and having arms to engage the slots in the tag in a removable manner so as to constitute pivots about which the clip can then pivot as set forth.

2. In a garment suspender the combination of a resilient tag having lateral slots therein, an integral stud on the face thereof and a separable clip member formed from a single plate of substantially rigid material and comprising a loop portion adapted to cooperate with the stud and having arms to engage the slots in the tag in a removable manner so as to constitute pivots about which the clip can then pivot as set forth.

In testimony whereof I have signed my name to this specification.

ROBERT STEPHENSON.