

Oct. 25, 1927.

1,646,975

S. NEWMAN

SUSPENDER

Filed Aug. 14, 1925

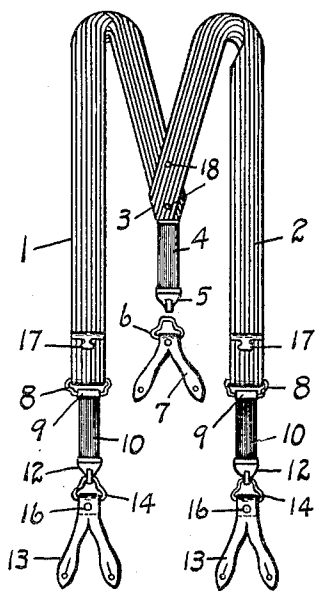


FIG. 1.

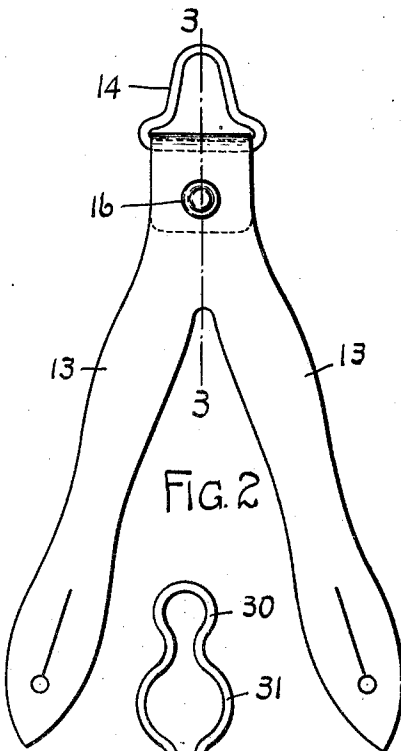


FIG. 2.

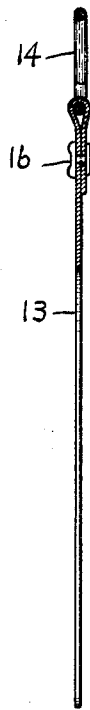


FIG. 3.

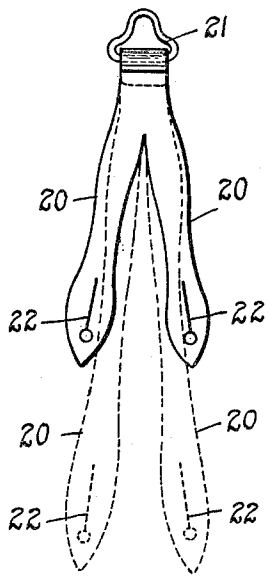


FIG. 4.

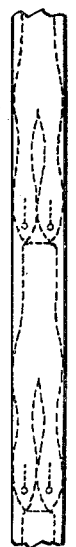


FIG. 5.

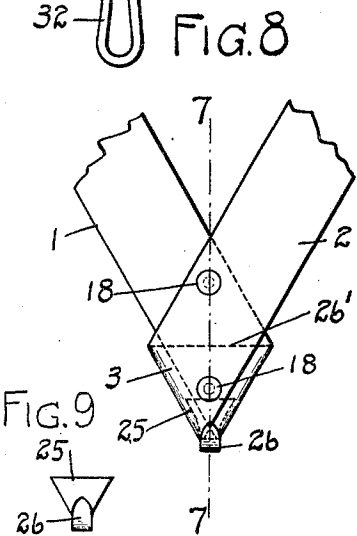


FIG. 6.

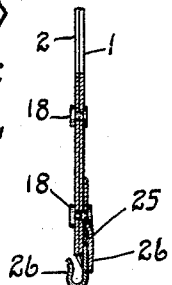


FIG. 7.

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UNITED STATES PATENT OFFICE.

SAMUEL NEWMAN, OF CINCINNATI, OHIO.

SUSPENDER.

Application filed August 14, 1925. Serial No. 50,321.

The object of my invention is to produce a simple, efficient, and highly serviceable suspender, possessing marked utility.

In producing my suspender, I do not sew any part thereof, nor do I sew the parts together.

Another feature consists in forming the rear tabs and the suspender shoulder straps at their folded end, so that the said rear tabs can be unhooked, thus the suspender need not be unbuttoned at the rear.

My suspenders are very light and will not slide on the shoulders of the wearer.

My new suspender is very durable and retains its normal position, into which it has been placed by the wearer.

The shoulder straps are made of one piece and this piece is folded at the middle of its length and held together by button rivets.

My suspenders can be cheaply manufactured.

Another feature of my invention renders the suspenders capable of being worn under the shirt, as well as over the shirt.

In the accompanying drawing forming a part of this specification:

Fig. 1, is a view in elevation of a complete suspender,

Fig. 2, is an enlarged view of one tab,

Fig. 3, is a section on line 3—3 of Fig. 2.

Fig. 4, is a detail in elevation of one rubber tab, shown extended, in dotted lines,

Fig. 5, is a view of a strip of material from which tabs are stamped or cut,

Fig. 6, is an enlarged detail of the loop joint at back of suspenders, showing one piece construction, and a view in elevation of the plate used in this joint,

Fig. 7, is a section taken on line 7—7 of Fig. 6,

Fig. 8, is a view in elevation of an attachment used by me when the suspenders are worn under the shirt.

Fig. 9 is an elevation of the hook plate shown detached from the suspender.

In order to describe my invention I will refer to the drawing, in which 1 and 2 are shoulder braces or straps of the suspender, made of one piece of material, which, at the rear, are folded or looped together at 3, and at this point are provided with a depending strap 4, and an engagement hook 5 is fastened at the end of this strap, and I provide a frame eye 6 which is on the back tab 7 for engaging said hook 5; at the front ends of the shoulder brace straps 1 and 2,

I place links as 8 which are attached to said ends, so that at their lower ends, at 9, I can attach depending straps 10 carrying at their lower extremity the hooks 12; tabs 13 carry at their upper ends, frame eyes 14, which engage with the hooks 12.

It will be seen and readily understood that at the top the tabs 7 and 13 loop over the lower part of the eyes 6 and 14, and are held in position by rivet or eyelet 16.

I may use any attachment for lengthening or shortening the suspenders, one form being shown at 17.

In Figs. 1 and 2, the straps 4 and 10 are made of an elastic material or rubber and the shoulder braces 1 and 2 are made of a non-elastic material, and the tabs 7 and 13 are made of leather.

In Fig. 1, the tab 7 is shown detached from the strap 4 but it may be readily attached and detached so that the pantaloons can readily be let down and pulled up without interfering with the rest of the clothes.

In Fig. 1, it will be seen that at the joint 3, the shoulder brace straps 1 and 2 are folded over onto one another and held intact by a rivet button 18, to be more fully described hereinafter.

In Fig. 4, I show tabs 20 made of rubber, looped over at the top and fastened to a frame eyelet 21, and having button holes 22 at their lower ends, the dotted lines in this figure show the rubber tab in a stretched or extended position.

When rubber tabs, as just described, are employed, the straps 4 and 10 are dispensed with and the tabs are hooked directly onto the ends of the shoulder brace straps 1 and 2, both at front and at the rear.

The loop joint 3, where the shoulder straps 1 and 2 are folded together, shown the same in Fig. 1, as in Fig. 6, except that in Fig. 1, the strap 4, is united at the bottom thereof, and the hook 5 is on the strap 4 whereas in Fig. 6, the frame plate 25, made of metal or any suitable material desired, has the hook 26 at its lower extremity.

In Fig. 6, the shoulder strap ends 1 and 2 are folded across a plate or frame 25, which plate carries a hook 26 at its lower extremity.

Said strap ends are folded up and over as shown in Figs. 6 and 7; after thus folded the shoulder straps are held together by rivet buttons 18. It will be seen that the shoulder strap 2 is folded over the shoulder strap 1,

while the plate 25 lies between the back that I may deviate from and change the 35
26' of the straps 1 and 2 and the folded suspender here described, and set forth, so
portions. long as said changes fall within the scope of
this specification and claims.

5 In Fig. 5 I show a strap of narrow material out of which the tabs may be cut, or
punched out as shown by the dotted lines. I may use my invention in connection 40
This makes it possible to make these tabs in connection with suspenders made from
at a lower cost. any kind of material.

The suspenders as heretofore described
10 in detail, are to be worn in the ordinary way, on the outside of the shirt. I will
now describe the same as worn under the shirt. When the suspenders are thus worn,
I preferably use only a single tab at the
15 rear, and single tabs at each side of the front. I then attach one of the eyelets 30
shown in Fig. 8, to the lower end of each tab by inserting the eyelet through the
button-hole in the manner shown in the
20 U. S. Patent No. 748,282, Dec. 29, 1903. When the eyelets are thus attached, the
buttons on the trousers, covered by portions of the shirt, may be inserted in the portions
31 of the eyelets, and parts of the shirt may
25 occupy the portions 32 of the eyelets. By this operation, the material pulled through
the slot 32 wedges and crowds in said slot and is thus firmly held and gripped and
can only be dislodged by human agency.

30 It will be understood that I can make and form the various parts which go to make
up the suspenders of any shape or contour and of any desired material other than
herein specified and I wish to be understood

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

1. In suspenders, shoulder straps, con- 45
nected together at their rear ends and formed of inelastic material, an elastic extension strap connected to the rear ends of
the shoulder straps, elastic extension straps
50 connected to the front ends of the shoulder straps, tabs to engage buttons on trousers,
and means connecting said tabs to the extension straps, said means including a hook
and eye fastening to permit quick attachment or detachment of a tab from its asso- 55
ciated extension strap.

2. In suspenders, a strip folded intermediate its ends into V-shape to provide shoulder straps, a hook having a substantially
triangular portion arranged within the fold 60
and concealed by the folded portion of the strip, and fastening means connecting the
folded portions of the strip.

In testimony whereof, I affix my signature at Cincinnati, Ohio, this 12th day of 65
August, 1925.

SAMUEL NEWMAN.