No. 837,761. PATENTED DEC. 4, 1906.

C. W. WICKS.

SUSPENDER SPRING.

APPLICATION FILED SEPT. 19, 1905.

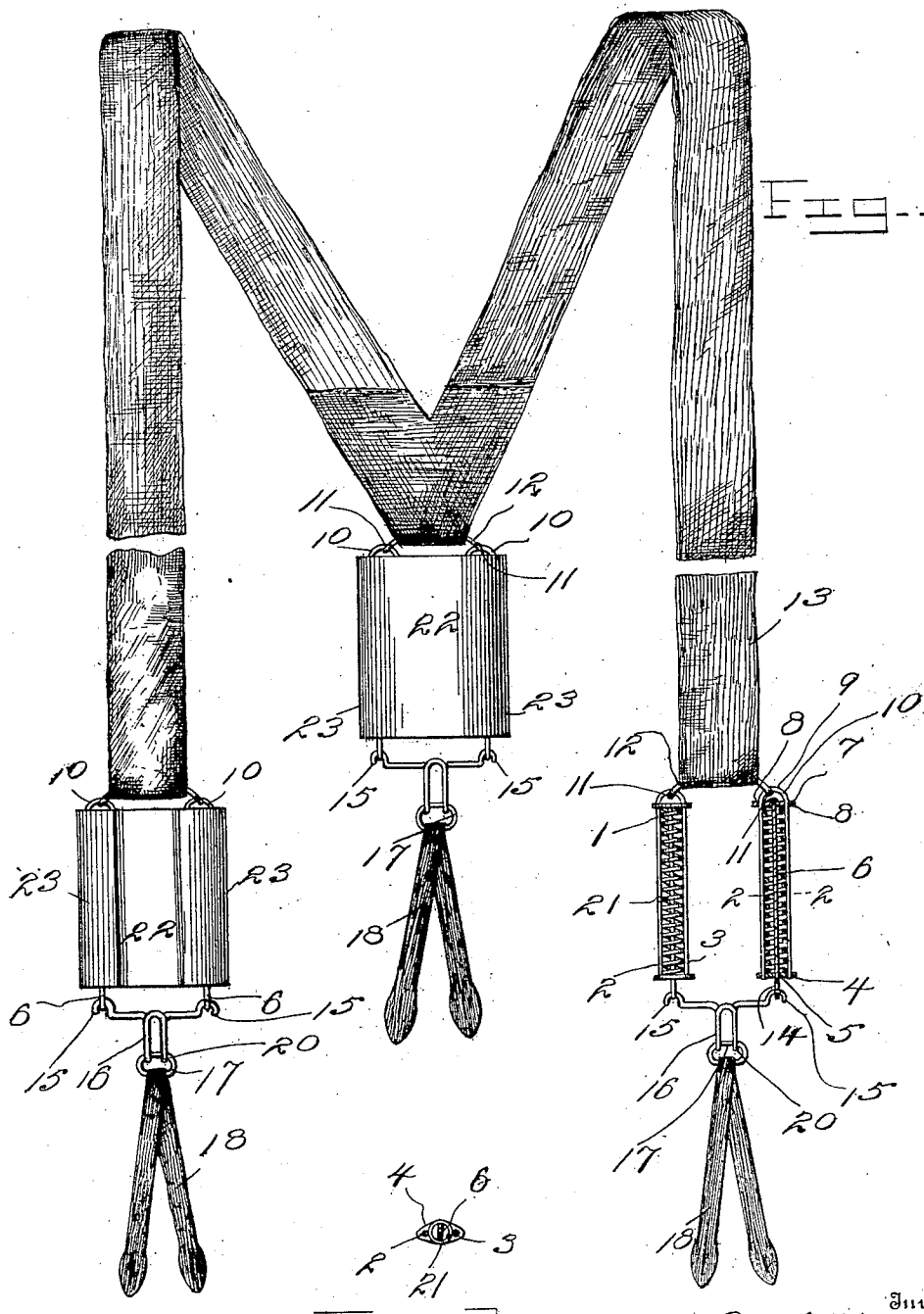

Fig. 1.

Fig. 2.

Witnesses

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UNITED STATES PATENT OFFICE.

CLARENCE W. WICKS, OF CLINTON, KANSAS.

SUSPENDER-SPRING.

No. 837,761. Specification of Letters Patent. Patented Dec. 4, 1906.

Application filed September 19, 1905. Serial No. 279,148.

To all whom it may concern:

Be it known that I, CLARENCE W. WICKS, a citizen of the United States, residing at Clinton, in the county of Douglas, State of Kansas, have invented certain new and useful Improvements in Suspender-Springs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to suspenders.

One object of the invention is to provide a connection for suspenders adapted to obviate the employment of elastic fabric.

Another object of the invention resides in the provision of a metallic resilient means for connection between the attaching-tabs and the body of the suspenders.

Other objects and advantages will be apparent from the following specification, which describes an embodiment of the present invention.

In the drawings, Figure 1 illustrates a portion of a pair of suspenders, showing my improved attachment secured thereto upon opposite sides thereof, one of the attachments having its shield omitted. Fig. 2 is a section on line 2 2 of Fig. 1.

Referring now to the accompanying drawings, it will be seen that there are two side frames, of wire or other suitable material, each consisting of one wire bent into inverted-U shape, as indicated by the reference character 1, with the extremities of the legs 2 and 3 of the wire 1 engaged in perforations of a plate 4, which latter is provided with a transverse slot 5, through which is slidably mounted a flat bar 6, having its end projecting between the legs 2 and 3 of the frame 1 and rigidly secured to a follower-plate 7, provided at each end with a perforation 8, whereby the said follower-plate may be slidably mounted upon the said legs 2 and 3. The bight portion 9 of the frame 1 limits the follower-plate 7 in its upward movement, so that when the plate 7 of each frame 1 is at its upward limit of movement there is formed therebetween and the bight portion 9 of each frame 1 an eye 10 for the reception of the hooked ends 11 of the wire loop 12, which latter is secured in any suitable manner to the front end 13 of the suspenders at each side of the wearer.

The lower extremities of the flat slidable bars 6 are each provided with a short slot 14 for the reception of the hooked ends 15 of the tab-engaging hooks 16, the loop 17 of each tab 18 being engaged in the bill 20 of the hook 16.

Encircling each flat sliding bar or rod 6 is a helical spring 21, which fits between the inner faces of the follower-plate 7 and the plate 4, so that in the event that a person should stoop or a pull should be otherwise exerted upon the flat bars against the action of the springs 21 the springs would serve to force the bars and their respective follower-plates to their normal position at the upper end of the respective frames 1.

While a shield is not absolutely necessary and it is to be understood that I may not use same, I illustrate in the drawings a shield 22, whose longitudinal side edges are bent over the respective frames 1, as indicated by the reference character 23. The bending of the longitudinal edges of the shield 22 may suffice in itself to secure the shield to the frames 1 upon each side of the front pieces 13 upon each side of the wearer, although it is to be understood that any further or additional means may be employed for this purpose.

What is claimed is—

A suspender attachment comprising a pair of frames each consisting of a single strip of wire bent upon itself into inverted-U shape, a follower-plate slidably mounted upon each frame, a flat depending bar secured to each follower-plate between the members of the corresponding frame, a plate connecting the free ends of the members of each frame, each plate having an opening formed therein, through which the lower end of the corresponding bar extends, means connecting said frames together at their upper ends, a coil-spring embracing each bar and bearing at opposite ends against the corresponding follower-plate and connecting-plate, and a hook connecting the lower ends of said bars.

In testimony whereof I affix my signature in presence of two witnesses.

CLARENCE W. WICKS.

Witnesses:
C. G. HAWK,
J. M. NEVILLE.