No. 680,430. Patented Aug. 13, 1901.

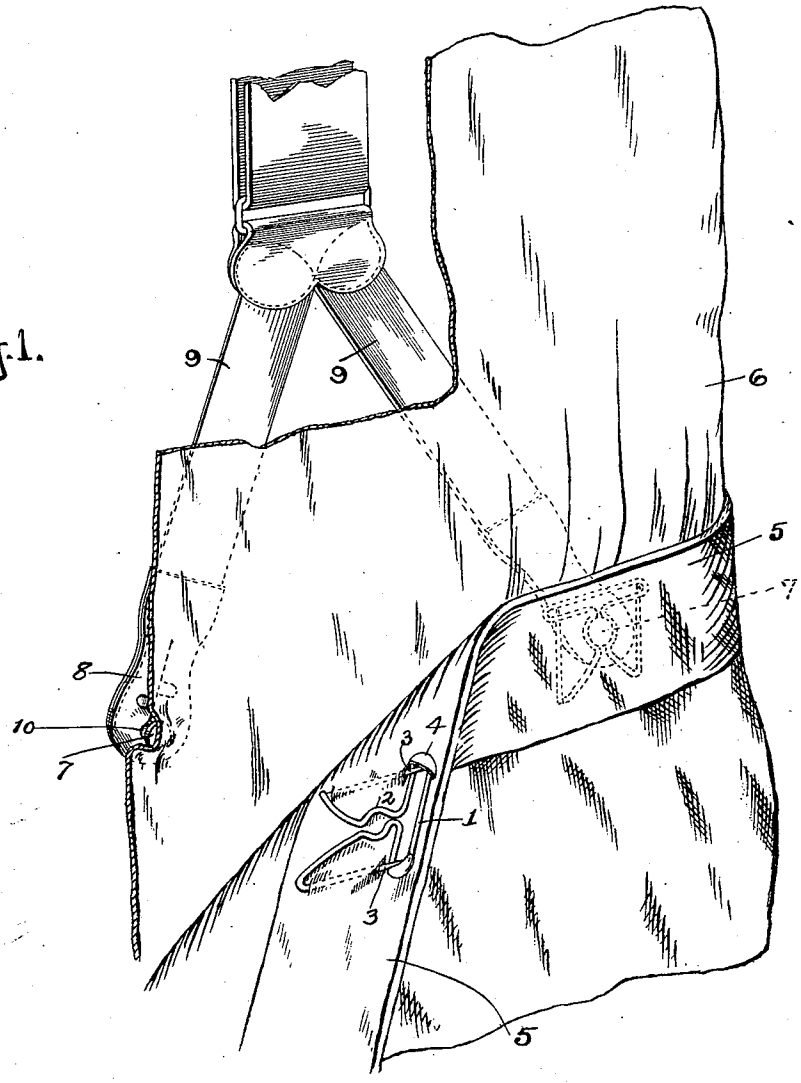
R. T. CLARKE.

SUSPENDER AND TROUSERS CONNECTION.

(Application filed Jan. 11, 1901.)

(No Model.)

Fig. 1.



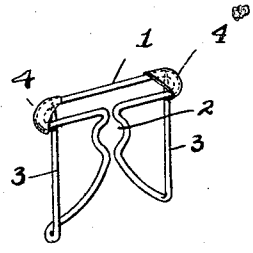


Fig. 2.

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RICHARD T. CLARKE, OF COLUMBUS, OHIO.

SUSPENDER AND TROUSERS CONNECTION.

SPECIFICATION forming part of Letters Patent No. 680,430, dated August 13, 1901.

Application filed January 11, 1901. Serial No. 42,825. (No model.)

To all whom it may concern:

Be it known that I, RICHARD T. CLARKE, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented a certain new and useful Improvement in Suspender and Trousers Connections, of which the following is a specification.

My invention relates to the improvement of suspender and trousers connections of that class in which a connection of the suspender-ends and trousers-band is adapted to be effected in cases where the suspenders are worn beneath the outer shirt.

The objects of my invention are to provide a simple, reliable, and effective connection of this class of superior construction and arrangement of parts, to provide an improved catch-loop for attachment with the trousers-band, and to produce other improvements the details of construction and arrangement of parts of which will be more fully pointed out hereinafter. These objects I accomplish in the manner illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view showing portions of depending suspender-ends, a portion of a shirt, and portion of a trousers-band having my improvements connected therewith; and Fig. 2 is a detail view in perspective of the catch or attaching loop which I employ on the inner side of the trousers-band in the manner hereinafter described.

Similar numerals refer to similar parts throughout both views.

In carrying out my invention I employ a button-engaging device comprising a spring-wire or similar desirable part, said wire being so bent as to form a transverse head 1, which is in the nature of an oblong link or longitudinally-slotted body, as shown. In producing this attaching device the wire arms which form the under side of the head 1 extend to points approximately central of the length of said head, said points being in close proximity to each other, from which central points said wire arms extend downward and outward, the opposing bends thus formed, as indicated at 2, producing a socket from the lower ends of which the wire arms extend downwardly and outwardly. At their outer points these arms are turned upward, as indicated at 3, said upturned or vertical extensions of the wire preferably having their upper ends pointed, thus forming spring-pins which are adapted to engage hoods or shields 4, mounted on the ends of the head 1. For reasons hereinafter stated, I may weld, solder, or otherwise produce a rigid connection of the upper ends of the pins 3 with the ends of the head 1.

As indicated more clearly in Fig. 1 of the drawings, the attaching device above described is adapted to be connected with the inner side of the trousers-band, which is shown at 5. In producing this connection it will be observed that the parallel pins 3 are made to engage the goods forming the lining or inner side of the trousers-band, thus firmly securing the connecting device in engagement with the trousers. In forming this character of a connection it will be seen that the pins 3 will be operated after the manner of the ordinary safety-pins, the goods first being engaged by the pins and the pointed ends of said pins then being made to engage the end shields 4 of the head 1. In case, however, the pins 3 have their upper ends rigidly connected with the ends of the head 1, as hereinbefore mentioned, it is obvious that the bodies of said pins may be sewed into connection with the trousers-band. The connecting devices being secured on the inner side or face of the trousers-band in the manner above described it will be seen that the spring-sockets or loops 2 will be in position to receive and retain the heads of buttons connected with the buttonhole-tabs of suspender-ends. As indicated in the drawings, this connection is particularly adapted to be made between suspender-ends and the trousers-band, where the suspender straps and ends are worn beneath the outer shirt, a portion of the shirt being shown in Fig. 1 at 6. As shown by said Fig. 1, the buttons, one of which is indicated at 7 and which is suitably connected with the buttonhole-tab 8 of a suspender-end 9, is provided with a projecting shank portion 10, which in the engagement of the button with the loop or socket 2 is adapted to be pressed upward through the contracted lower end neck of said loop and into the latter, and it will readily be seen that in this operation a portion of the goods forming the shirt is carried with the button head

and shank into said spring-socket 2, thus uniting the suspender-end, the shirt, and the trousers.

From the construction and operation which I have herein shown and described it will be seen that a neat and effective connection may be readily provided between the ends of suspenders worn beneath the outer shirt and the trousers-band and that the latter will display no indication of the nature or character of said connection when viewed from the outer side. Owing to the spring nature of the button-receiving socket 2 it is evident that the button head and shank may be readily disconnected from the receiving-socket when desired. It will also be observed that the means which I employ for uniting the connecting device with the inner face of the trousers-band are such as to admit of my connection being applied to any ordinary trousers-band without injury or mutilation of the latter.

Having now fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a suspender and trousers connection, a button-receiving device comprising a head portion, arms depending therefrom and having a spring-socket or loop formed therein as described, said arms terminating in upwardly-extending pins on opposite sides of said loop, which connect with the ends of said head, substantially as specified.

2. In a suspender and trousers connection, a button-receiving device comprising an elongated link-like head, arms depending from said head and provided with opposing bends to form a button-receiving spring-socket 2, said arms diverging from said socket and terminating in upwardly-extending side arms which connect with the ends of said head, substantially as specified.

3. In a suspender and trousers connection, the combination with a button receiving and retaining device comprising a head portion provided with pin-engaging shields 4, arms depending from said head and bent to form a loop or spring-socket as described, said arms terminating in upwardly-extending spring-pins, adapted to be engaged with said pin-shields, substantially as specified.

RICHARD T. CLARKE.

In presence of—
EDWARD M. TAYLOR,
C. C. SHEPHERD.