L. B. JOHNSON.

SUSPENDER ATTACHMENT.

APPLICATION FILED APR. 18, 1911.

1,040,955. Patented Oct. 8, 1912.

Fig. 1.

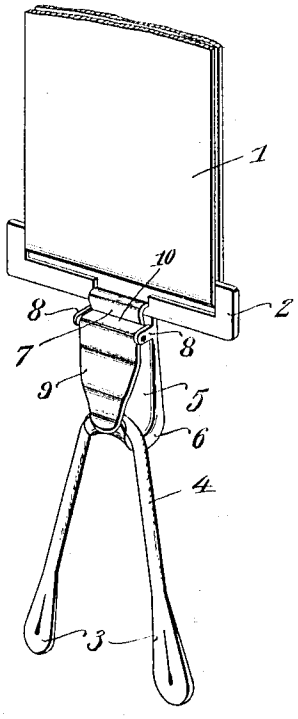
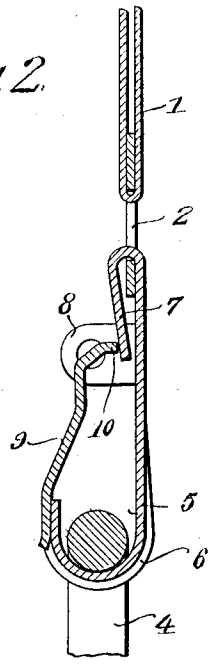


Fig. 2.



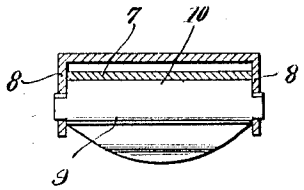


Fig. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

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SUSPENDER ATTACHMENT.

1,040,955. Specification of Letters Patent. Patented Oct. 8, 1912.

Application filed April 18, 1911. Serial No. 621,820.

To all whom it may concern:

Be it known that I, LEWIS B. JOHNSON, a citizen of the United States, residing at Benson, in the county of Swift and State of Minnesota, have invented new and useful Improvements in Suspender Attachments, of which the following is a specification.

This invention relates to suspenders and more particularly to that type of device which removably connects the shoulder straps of suspenders with the button tabs.

The object of the invention is the provision of a simple, conveniently operated and durable hook for connecting the shoulder straps of suspenders with the button tabs.

A further object of the invention is the construction of a hook for connecting the shoulder straps of suspenders with the button tabs thereof, whereby the latter may be removed from the hook, and in constructing the hook in such a manner that a portion thereof forms a spring for holding the locking lever or arm in operative position to prevent disconnection with the button tabs.

Further objects of the invention will appear as the following specific description is read in connection with the accompanying drawing, which forms a part of this application, and in which:—

Figure 1 is a perspective view. Fig. 2 is a central vertical section through the hook and loop. Fig. 3 is a similar view taken at right angles to Fig. 2.

Referring more particularly to the drawing, 1 represents a shoulder strap which has a metal loop 2 secured in its lower end and 3 represents the ordinary button tabs connected together by the strap 4 and which are connected to the loop by the hook 5. The hook proper comprises a single integral strip of metal having one end thereof bent back upon itself to form a supporting hook whose edges are rolled to provide lateral flanges 6 and prevent wear upon the strap 4. The opposite end of the hook is bent back upon itself to form a spring finger 7 which lies between the pivoting ears 8 and is passed through the loop and received in a recessed portion therein, being prevented from disengagement therefrom by the ears 8. Pivoted in the ears is a locking lever 9 having its outer free end adapted to bear against the terminal end of the hook so as to prevent disengagement of the tab strap 4 and having its inner end bent at substantially right angles to form a locking flange 10 which engages the spring tongue. When this locking lever has its end in engagement with the terminal end of the hook, the flange is extended past a center line through the ears and is therefore locked in position. The outer terminal end of the lever 1 engages the terminal end of the hook and is preferably given a slight outward bend so as to permit engagement thereof by the finger, whereby the same may be raised against the tension of the spring tongue 10 so that the tab strap may be removed from the hook.

Having thus described the invention, what I claim as new is:—

In combination, a shoulder strap having a loop therein, a button tab strap, a hook member for connecting the loop and the button tab strap which comprises a single strip of metal bent back upon itself at one end to form a tab strap receiving hook, the opposite end of the hook member being formed with a hook adapted to engage through the loop and with its terminal end extending parallel to the hook member, a pair of ears arranged on either side of said terminal end, and a lever pivoted in said ears and operating against said terminal end, said terminal end comprising a spring tongue which engages the lever to hold its outer free end in engagement with the strap receiving hook.

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

LEWIS B. JOHNSON.

Witnesses:
C. L. KANE,
OREN KINNEY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."