

(No Model.)

J. N. McGRUFF.
SUSPENDER BUCKLE.

No. 530,960.

Patented Dec. 18, 1894.

Fig. 1 -

Fig. 2 -

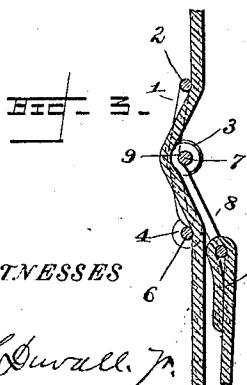
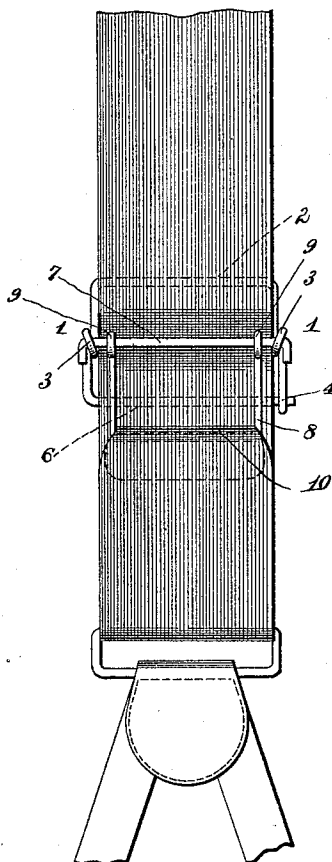
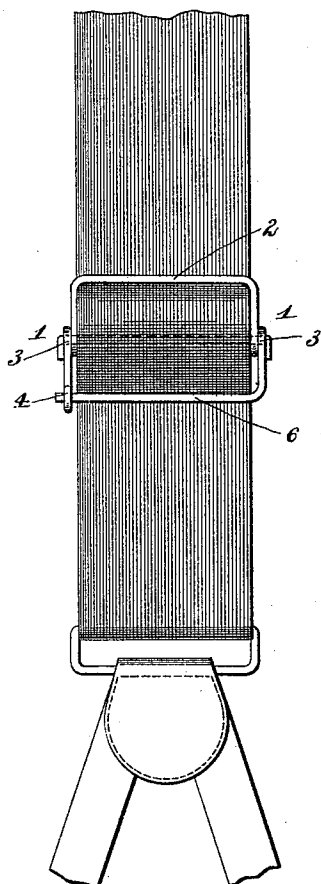
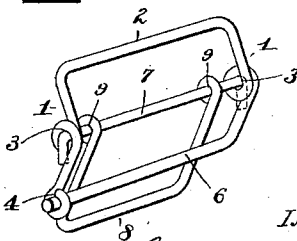


Fig. 4 -



WITNESSES
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UNITED STATES PATENT OFFICE.

JOHN N. McGRUFF, OF ANDERSON, INDIANA.

SUSPENDER-BUCKLE.

SPECIFICATION forming part of Letters Patent No. 530,960, dated December 18, 1894.

Application filed May 3, 1894. Serial No. 509,922. (No model.)

To all whom it may concern:

Be it known that I, JOHN N. McGRUFF, a citizen of the United States, residing at Anderson, in the county of Madison and State of Indiana, have invented certain new and useful Improvements in Suspender-Buckles; 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.

My invention relates to improvements in clasps or buckles and to those employed in suspenders for retaining the terminals thereof in their adjusted positions.

The objects of my invention are to simplify and reduce the cost of such clasps or buckles, to adapt the same for ready adjustment and to obviate wear of the suspender by reason of the strain brought thereupon at the points of connection between the same and buckles or clasps.

Other objects and advantages of the invention will appear in the following description and the novel features thereof will be particularly pointed out in the claim.

Referring to the drawings:—Figure 1 is a front elevation of a portion of a suspender, the same being provided with a clasp or buckle embodying my invention. Fig. 2 is a rear elevation of the same. Fig. 3 is a longitudinal sectional view. Fig. 4 is a detail of the buckle or clasp.

Like numerals of reference indicate like parts in all the figures of the drawings.

In practicing my invention I employ a blank of wire of suitable gage and bend the same at opposite sides of its center to form the opposite side terminals 1, and the intermediate upper cross-bar 2. The side terminals are coiled to form eyes 3, after which said terminals depend below the eyes. One of the terminals is bent to form a lower eye or hook 4, and the remaining terminal is bent at a right angle to form the lower cross bar 6. Arranged in the eyes 3 is a cross-bar 7 whose extremities are bent abruptly so as to engage with the eyes.

Suspended upon the cross-bar 7 is a clamping-bail 8 of general U-shape, the terminals of which are at their extremities bent to form eyes 9 that loosely engage the cross-bar 7 between the eyes 3. The clamping-bail 8 depends slightly below the lower cross-bar and is designed to engage with one end 10 of the

tape or terminal of the suspender. The suspender is folded upon itself to form the loop in which the lower tabs are connected and the terminal is passed loosely under the upper and lower cross-bars of the main frame and between the same and the cross-bar 7.

It will be obvious that by swinging the clamping-bail to the rear or away from the frame that the terminal of the suspender may be readily adjusted through the space it occupies and produced by the upper and lower cross-bars of the frame and the cross-bar 7, and that when a desired adjustment has been secured it is simply necessary to release the clamping-bail and permit the same to bind its terminals upon the fabric of the suspender, thus clamping the same against the lower cross-bar as shown in Fig. 3. The greater the strain upon the suspender the greater the clamping effect of the bail upon the same, so that a secure means of adjustment is provided.

While the adjustment is perfect so far as its fastening effect is concerned, it will be seen that all teeth or binding edges calculated to indent, mar, or otherwise injure the suspender are wholly obviated. As a result the suspender is preserved uninjured regardless of its length of wear so far as the buckle or clasp is concerned.

Having described my invention, what I claim is—

The herein described suspender clasp or buckle, the same consisting of an oblong frame formed of a single piece of wire bent at opposite sides of its center to form the upper cross-bar 2, the opposite side terminals 1 coiled to form the eyes 3, one of said terminals at its lower end being bent to form the eye 4 and the opposite terminal laterally bent to form the lower cross-bar and engage with said eye, the intermediate cross-bar 7 engaging the eyes 3 and having its ends bent as shown, and the clamping-bail 8 having its terminals 9 engaging loosely with the cross-bar 7 and depending below the cross-bar of the frame so as to clamp the fabric of the suspender therebetween, substantially as specified.

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

JOHN N. McGRUFF.

Witnesses:

W. B. FORCE,
JOHN C. WILLIAMS.