

J. B. FINCHER.
TROUSERS FASTENER.
APPLICATION FILED AUG. 27, 1909.

952,321.

Patented Mar. 15, 1910.

Fig. 1.

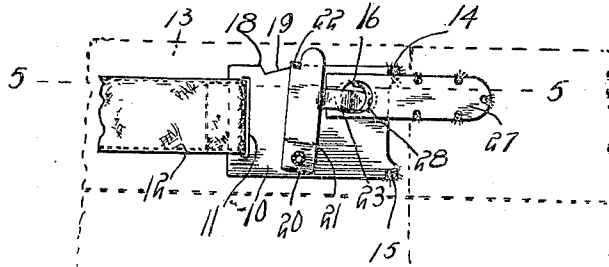


Fig. 2.

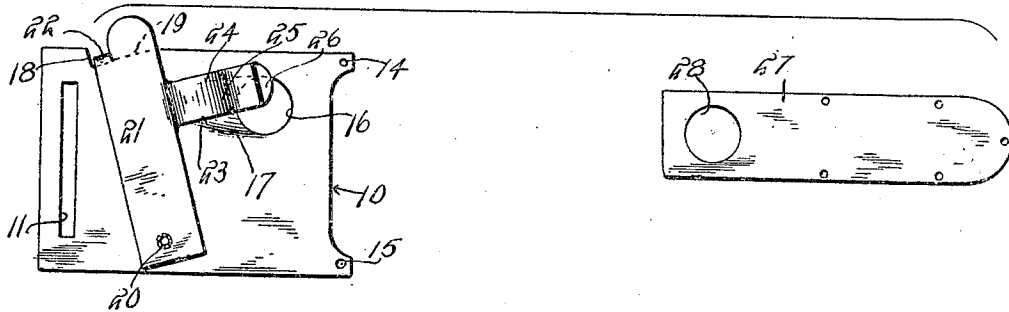
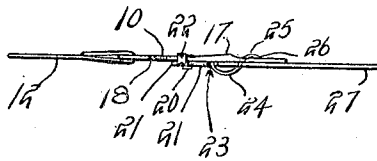


Fig. 3.

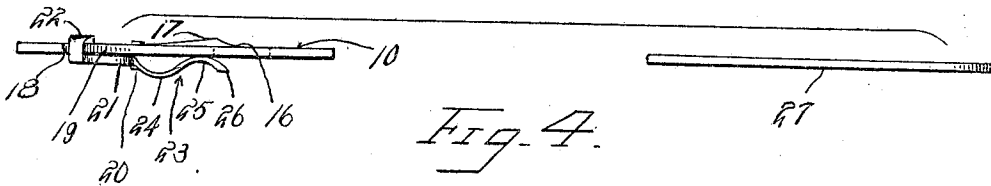


Fig. 4.

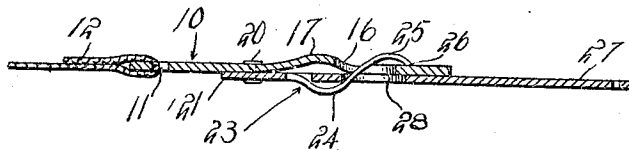


Fig. 5.

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UNITED STATES PATENT OFFICE.

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TROUSERS-FASTENER.

952,321.

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To all whom it may concern:

Be it known that I, JAMES B. FINCHER, a citizen of the United States, residing at Adamsville, in the county of Jefferson, State of Alabama, have invented certain new and useful Improvements in Trousers-Fasteners; 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 devices for fastening the terminals of the waist band of trousers, and has for one of its objects to improve the construction and increase the efficiency and utility of devices of this character.

Another object of the invention is to provide a simply constructed device which may be very quickly and readily connected and disconnected by the wearer, and which will hold the waist band firmly in position when in use.

With these and other objects in view, the invention consists in certain novel features of construction as hereafter shown and described and then specifically pointed out in the claims, and in the drawings illustrative of the preferred embodiment of the invention, Figure 1 is a dotted line view of a portion of a waist band of a pair of trousers with the improvement in full line in position thereon. Fig. 2 is a plan view of the fastening and straps. Fig. 3 is a side elevation of the improved device in disengaged position. Fig. 4 is a plan view of the parts shown in Fig. 3. Fig. 5 is a section on the line 5—5 of Fig. 1, enlarged, with the parts in coupled relation.

The improved device comprises two portions, a body portion adapted to be attached to the waist band at one end and a plate portion adapted to be attached to the waist band at the other end, the two portions designed to be interlocked, to hold the waist band terminals firmly in position.

The improved device comprises more specifically a body 10 of sheet metal having a slot 11 at one end to receive a holding strap 12, the latter being adapted to be attached by stitching or other suitable fastening means to the waist band of the trousers.

The improved device may be attached to trousers manufactured from any suitable material, and for the purpose of illustration a portion of a conventional band is shown at

13, with the body 10 fastened thereto, as shown. The body 10 is also provided with apertures 14—15 at the terminals opposite the slot 11 through which stitches may be passed to more securely fasten the body in position. The body 10 is also provided with a relatively large aperture 16 and with the body of the plate depressed adjacent to the larger aperture as shown at 17. The upper edge of the body 10 is provided with a notch 18, and the body of the plate is inclined for a short distance adjacent to the notch 18 as shown at 19, the object to be hereafter explained.

Pivoted at 20 to the body 10 is a bar 21 extending over the outer surface of the body and provided with a longitudinal cleft whereby a lip 22 is released and is bent over the edge of the body 10 and operates within the notch 18 and over the inclined portion 19. By this means when the bar 21 is moved rearwardly or toward the slot 11 the lip portion 22 enters the notch 18 and releases the bar 21 from strain, and then when the bar 21 is moved in the opposite direction, or away from the notch 18, the lip 22 operating over the inclined portion 19 causes the body of the bar 21 to be pressed against the outer face of the body 10. Extending from the bar 21 is a tongue 23 having an outwardly directed bend 24 intermediate its ends and with an inwardly directed terminal 25. The tongue 23 with its portions 24—25 possesses a relatively large degree of resiliency, so that when the bar 21 is moved in one direction the portion 25 of the tongue enters the depression 17 and passes through the aperture 16, and as the movement of the bar 21 continues the terminal 26 of the portion 25 passes to the rear of the plate 16 adjacent to the aperture 10 as shown in Figs. 2 and 5. By this means the outwardly extending portion 24 forms a loop as shown in Figs. 2, 3 and 5, and the tongue is locked to the body 10.

Attached to the opposite terminal of the waist-band 13 is a plate 27 having a relatively large aperture 28 at its free end. The plate 27 is designed to be forced between the terminal 26 of the tongue 23 and the plate 10 when the bar 21 is in its withdrawn position as shown in Figs. 3 and 4, and with the portion of the plate 27 in advance of the aperture 28 within the loop formed by the outwardly directed portion 24 with the portions 25—26 passing through

the aperture 28. Then when the member 21 is disposed in its closed position the plate 27 will be firmly locked to the plate 10 as shown in Figs. 1, 2 and 4. By this means it will be obvious that a very simple and efficient fastening device is provided which will firmly support the terminals of the waist-band and prevent their accidental displacement until the bar 21 is released.

In operating the device the wearer simply forces the member 23 into its seat within the loop formed by the projection 24 and then moves the bar 21 into its locking position, the whole movement requiring very little exertion, and can be accomplished very quickly. When it is desired to release the device it is only necessary for the operator to reverse the position of the member 21, or to move it over toward the slot 11, when the member 23 will be released.

The parts will preferably be formed from resilient steel or other similar suitable metal, and may be formed of any required size and will be japanned or otherwise treated to protect the metal.

The improved device is entirely concealed by the overlapping portions of the waist band, and does not detract from the appearance of the trousers.

The improved device is simple in construction, can be inexpensively manufactured, and pressed from sheet steel entirely by machinery, and will operate effectually for the purposes described.

What is claimed is:—

1. A device of the class described comprising a body having an aperture, a bar mounted to swing upon said body and provided with a lip operating over one edge of the body, said bar having a laterally directed tongue operating over the body and through the aperture thereof, and a plate adapted to be secured to one terminal of the waist band and with an aperture at one end, said plate operative over the body and with its

aperture engaging over the tongue of said bar.

2. A device of the class described comprising a body having an aperture and adapted to be secured to one terminal of a waist band, a bar mounted to swing upon said body and provided with a lip bearing over the body at one edge thereof and with a laterally extending tongue, the inner portion of the tongue next the body being curved away from the body and the remaining portion of the tongue curved in the opposite direction and adapted to pass through the aperture thereof when the bar is arranged in closed position and engage against the body at its free end, and a plate adapted to be connected to the opposite terminal of the waist band and provided with an aperture at its free end, said aperture engaging over the inner portion of said tongue when the bar is arranged in closed position.

3. A device of the class described comprising a body having an aperture and a depression communicating with the aperture, a bar mounted to swing upon said body and provided with a lip operating over one edge of the same, said bar having a tongue operating over the body and reversely curved longitudinally, the outer curved portion of the tongue passing through the aperture of the body and the inner curved portion forming an outwardly directed loop opposite the depression in the body when the bar is arranged in closed position, and a plate adapted to be secured to one terminal of the waist band and with an aperture at one end, said plate operative over the body and with its aperture engaging over the tongue and within the loop portion thereof.

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

JAMES B. FINCHER.

Witnesses:

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B. H. BUEN.