

No. 682,043.

Patented Sept. 3, 1901.

L. DAHL.
ATTACHMENT FOR SUSPENDERS.

(Application filed Mar. 6, 1901.)

(No Model.)

Fig. 1.

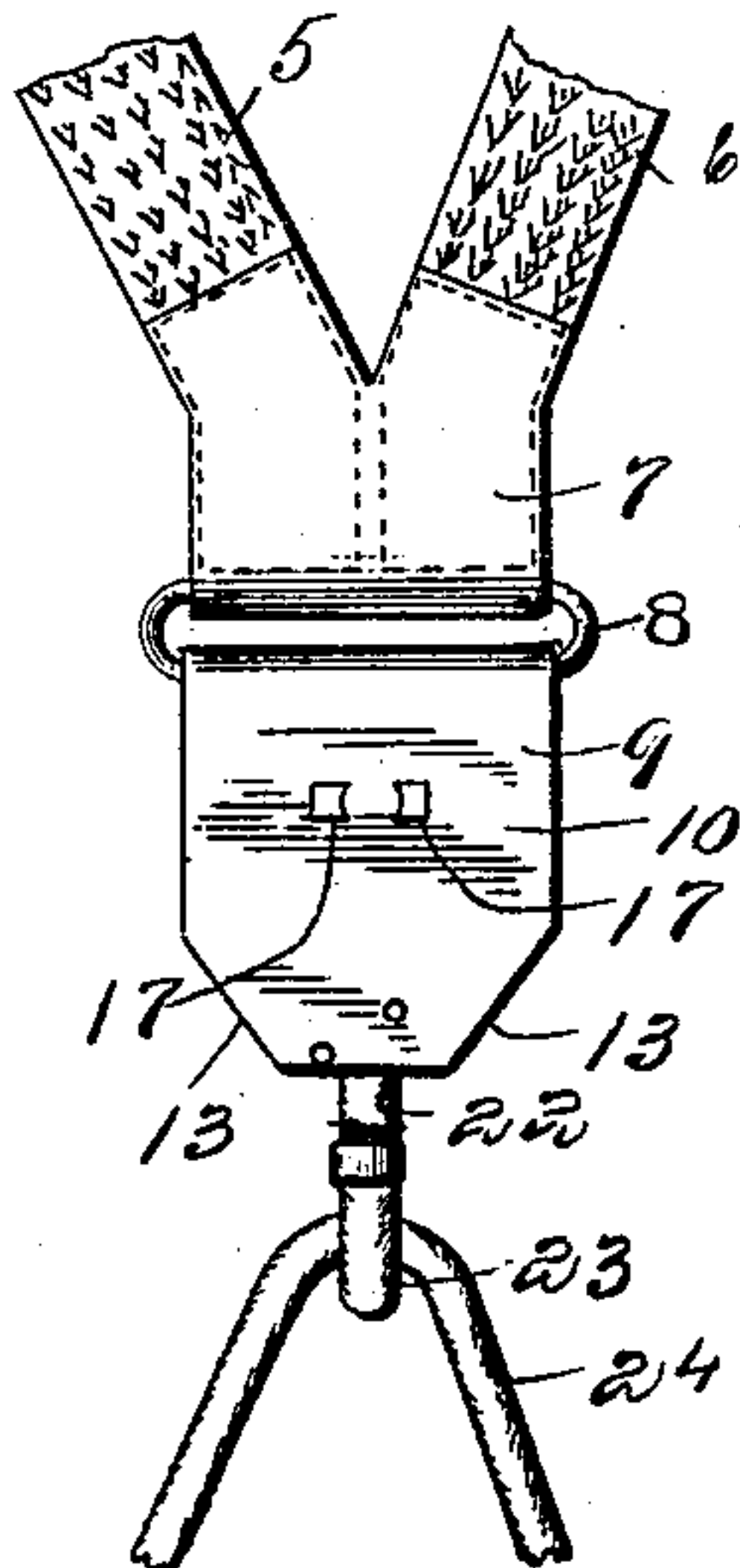


Fig. 2.

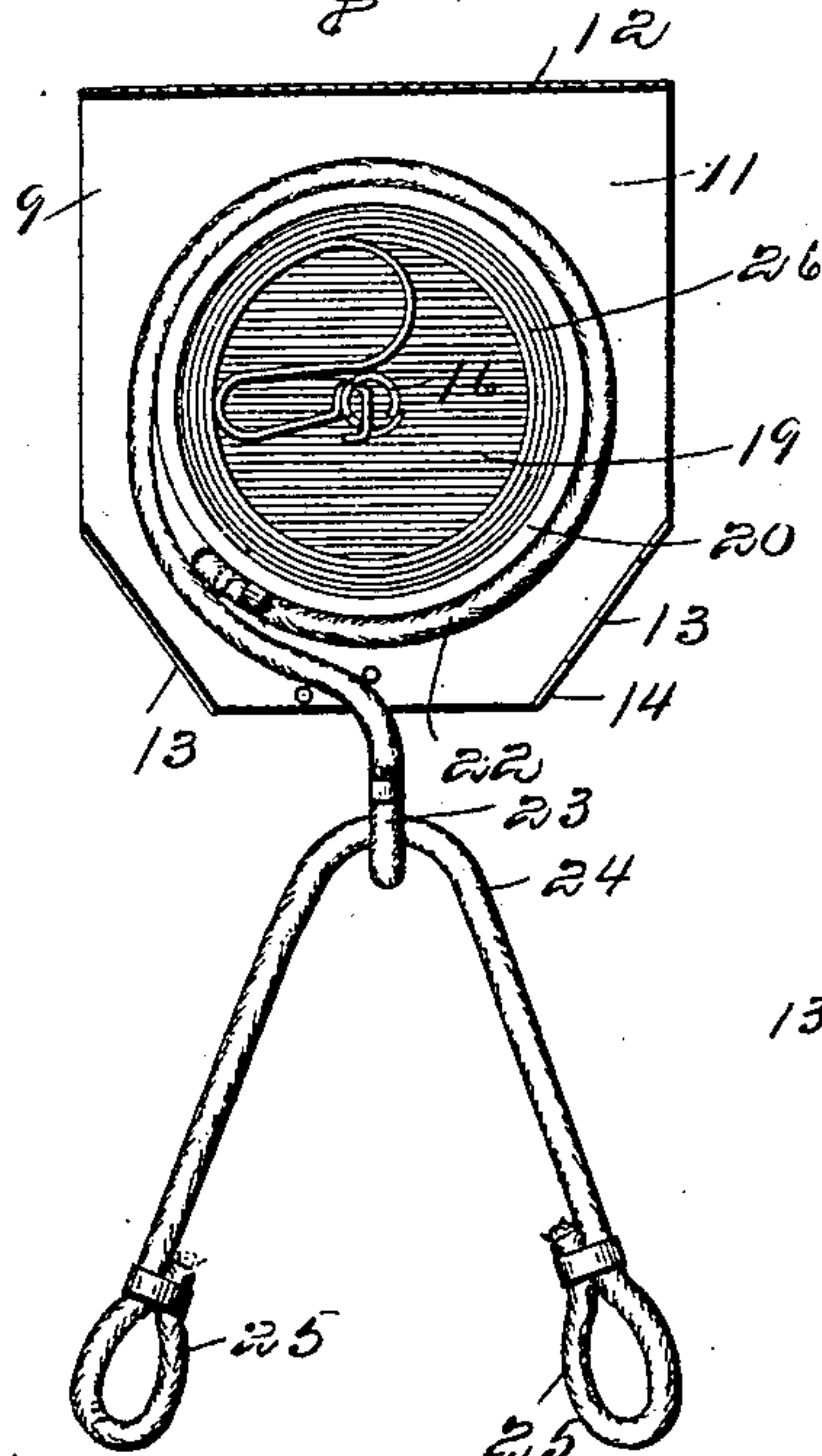


Fig. 4.

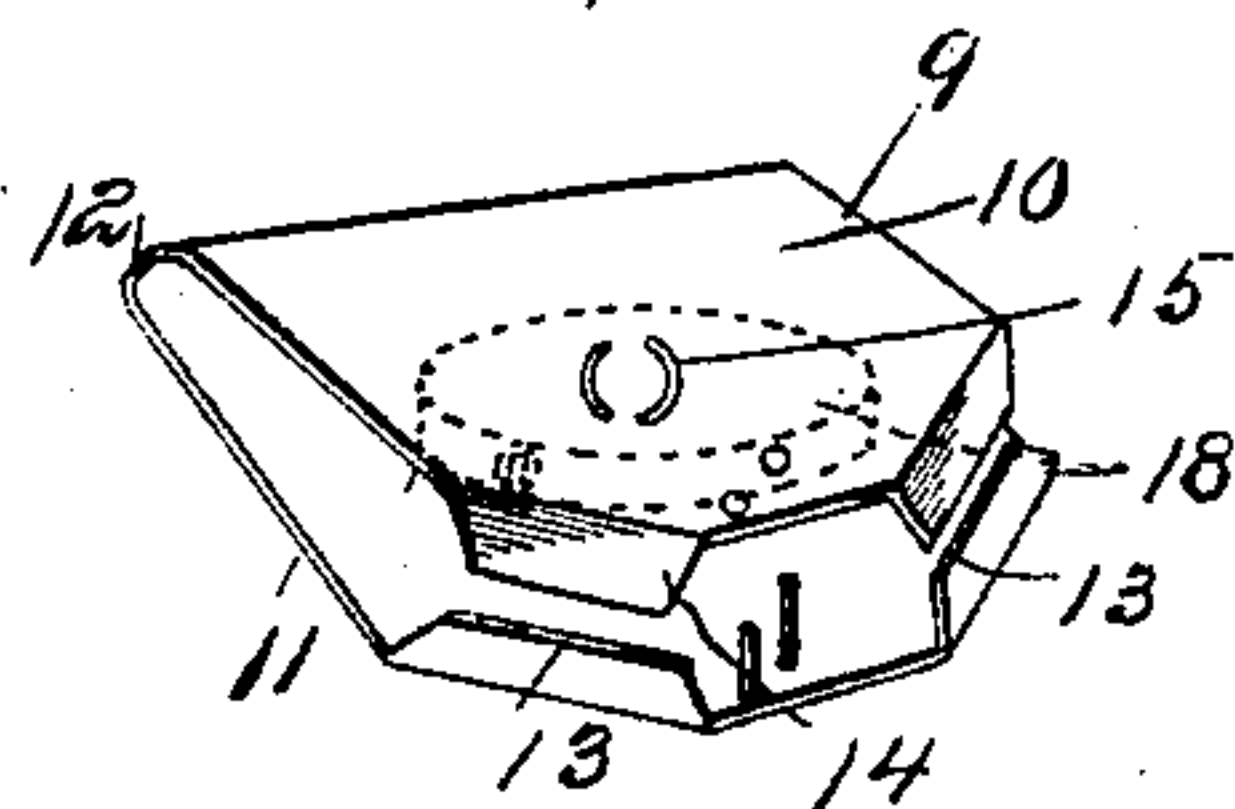


Fig. 3.

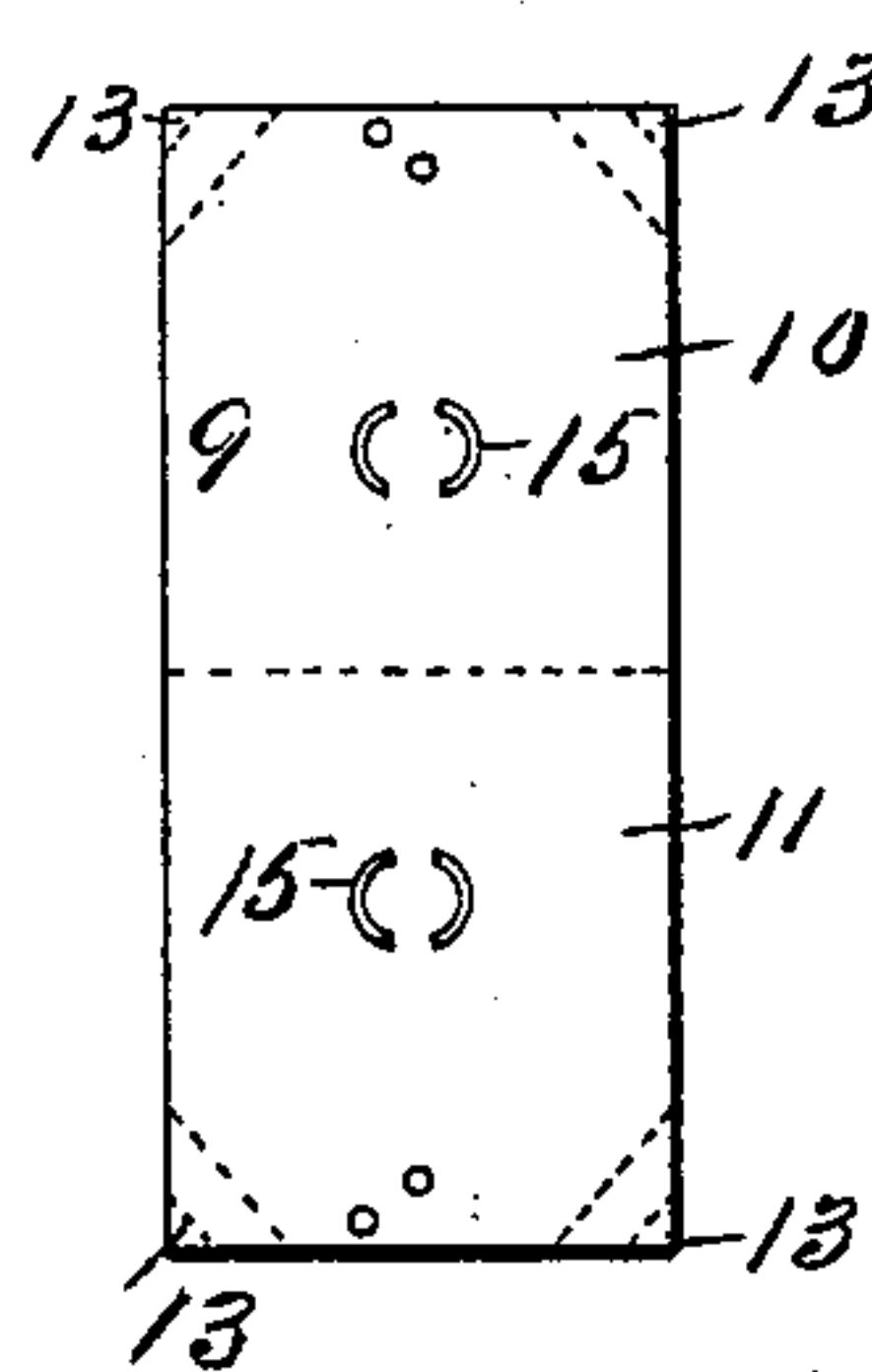


Fig. 5.



Witnesses
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UNITED STATES PATENT OFFICE.

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ATTACHMENT FOR SUSPENDERS.

SPECIFICATION forming part of Letters Patent No. 682,043, dated September 3, 1901.

Application filed March 6, 1901. Serial No. 50,045. (No model.)

To all whom it may concern:

Be it known that I, LOUIS DAHL, a citizen of the United States, residing at Mineral, in the county of Bee, State of Texas, have invented certain new and useful Improvements in Attachments for Suspenders; 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 for supporting trousers; and it has for its object to provide a construction wherein the tabs will be held to the shoulder-straps in such manner as to give the yieldable structure usually secured by the use of elastic in the tabs or straps and without the objections thereto.

Additional objects and advantages will be evident from the following description.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is an elevation showing the extension of the rear ends of the shoulder-straps and with tabs connected therewith through the medium of the present invention. Fig. 2 is an elevation of the attachment with one side of the casing and a side of the spring-roller removed. Fig. 3 is a plan view of the blank from which the covering is formed. Fig. 4 is a perspective view of the casing, showing the interior mechanism in dotted lines; and Fig. 5 is a detail view.

Referring to the drawings, there is shown portions of the shoulder-straps 5 and 6 of suspenders having the extension 7 and through which extension is engaged the ring 8. The present attachment consists of a metal plate 9, which is bent upon itself to form parallel-spaced side pieces 10 and 11 and a connecting-web 12, and this web portion is engaged with the ring 8. The plate 9 is oblong in shape with the corners cut off to form diagonal edges 13, and the plate is bent on lines parallel with these edges 13 to form flanges 14, which lie one behind another and in close contact, as indicated in Fig. 2, and are soldered or otherwise secured together to

hold the sides of the plate in proper relation. The plate 9 thus forms a casing. In the sides of the plate or casing there are formed perforations 15, there being two spaced perforations in each side, and the perforations of one side aline with the perforations of the other side. A tubular spindle 16 is provided, and the ends thereof are split to form spaced ears 17, which are engaged in the perforations of the sides of the casing and then bent outwardly upon the outer faces of the sides, thus holding the central portions of the sides against movement away from each other and holding the spindle against rotation. A drum is mounted rotatably upon the spindle 16 and consists of two parallel disks 18 and 19, having central perforations through which the spindle is passed, and these disks have a band or hoop 20 secured to their inner faces slightly inwardly of their peripheries. A spiral spring is attached at its outer end to the band 20 and at its inner end is engaged through a slit in the spindle 16, so that the drum is held yieldably against rotation and when displaced rotatably will return to its normal position. A strap 22 is attached at one end to the drum and is passed over the drum and then outwardly from the lower end of the casing, and at its lower end is provided with a loop 23, through which is engaged a tab 24, having eyes 25 at its end for engagement with the buttons of the garment to be supported. When strain is put upon the tabs, the spiral spring 26 is wound up and resists the strain on the tabs, and when such strain is released the spring unwinds to rotate the drum and wind in the strap to take up the slack thereof. There is thus provided a yieldable connection between the tab and the shoulder-straps and pulling off of buttons is prevented.

What is claimed is—

An attachment for suspenders comprising a casing adapted for attachment to shoulder-straps and including a plate bent upon itself, the sides of the plate having spaced perforations, a tubular spindle having its ends bifurcated to form ears engaged with the perforations and bent to lie upon the outer faces

of the casing, a hollow drum disposed rotatably upon the spindle, a helical spring wound upon the spindle and attached to the spindle and drum, a strap attached to and wound 5 upon the drum and having a loop at its free end, and a tab slidably engaged with the loop and having terminal eyes for engagement with buttons.

In testimony whereof I hereunto sign my name, in the presence of two subscribing witnesses, on the 25th day of February, 1901. 10

LOUIS DAHL.

Witnesses:

E. C. OLIVARES,
C. M. WEDDING.