W. A. BOYNTON & G. A. TERRELL.

COTTON PICKER'S KNEE PAD.

APPLICATION FILED MAY 16, 1917.

1,264,767. Patented Apr. 30, 1918.

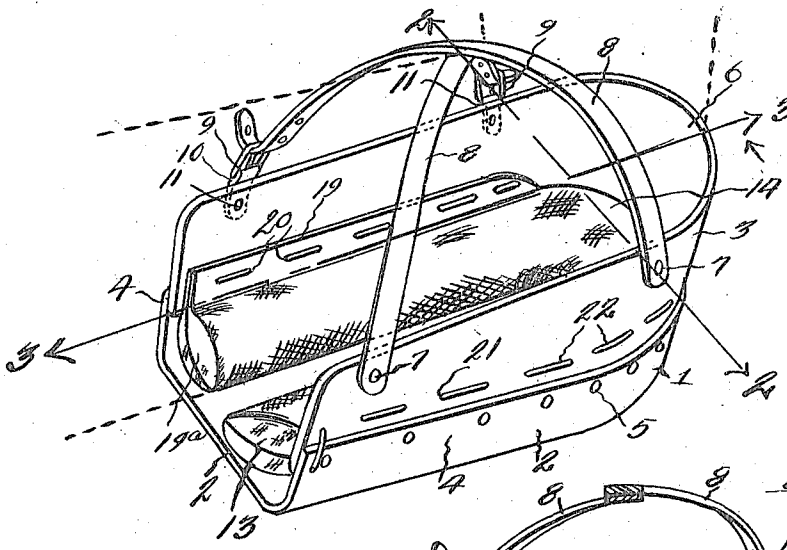


Fig. 1.

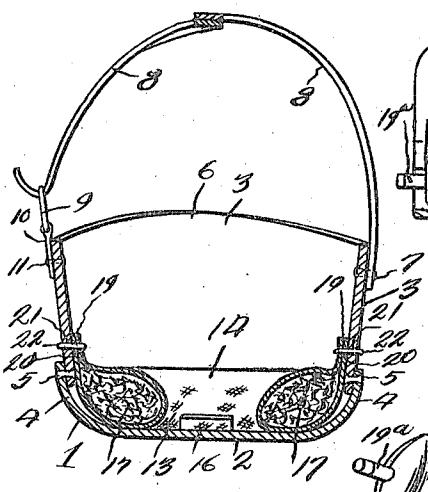


Fig. 2.

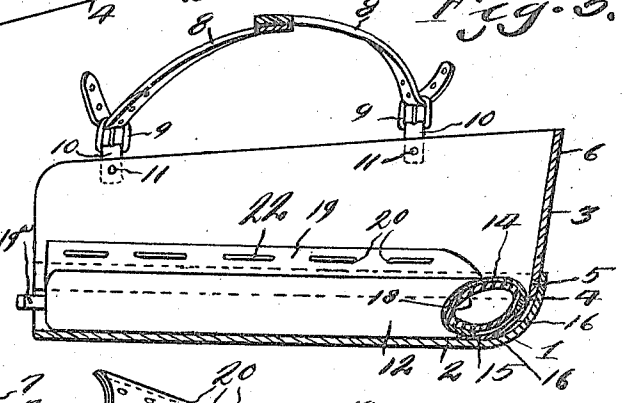


Fig. 3.

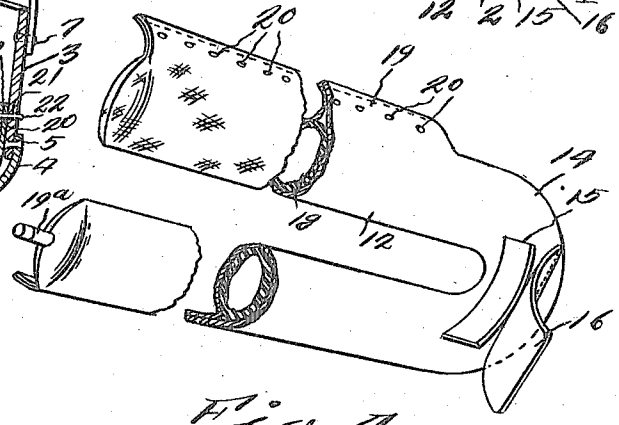


Fig. 4.

Witnesses
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UNITED STATES PATENT OFFICE.

WILLIE A. BOYNTON AND GEORGE A. TERRELL, OF NEWCASTLE, TEXAS.

COTTON-PICKER'S KNEE-PAD.

1,264,767. Specification of Letters Patent. Patented Apr. 30, 1918.

Application filed May 16, 1917. Serial No. 169,047.

To all whom it may concern:

Be it known that we, WILLIE A. BOYNTON and GEORGE A. TERRELL, citizens of the United States, residing at Newcastle, in the county of Young, State of Texas, have invented a new and useful Cotton-Picker's Knee-Pad; and we 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 pads and particularly to a new, useful, simple and practical knee pad especially designed for use by cotton pickers.

The aim of this invention is to improve, simplify and render more practical the knee pad illustrated, set forth, and claimed in the patent to Willie A. Boynton of Newcastle, Texas, Patent Number 1,090,446, dated March 17, 1914.

A further object of the invention is to provide a knee pad which may be provided with one or two cushions, either of which may be stuffed with padding, or provided with a pneumatic tube, in order to support the wearer's knee off the bottom of the pad, whereby a thorough circulation of air is maintained under the knee of the wearer.

A further object of the invention is to provide means for easily connecting and disconnecting the cushions.

A further object of the invention is to provide one or more cushions for the pad consisting of a suitable tubular casing to receive the padding or a pneumatic cushion, there being a flap covered opening to permit the insertion of the stuffing or pneumatic tube.

A further object of the invention is to provide a U-shaped casing of the design shown in the drawing to receive the cushions, said casing having a metal base, and a fiber upper flange, which may be constructed of any suitable material, either leather or canvas.

In practical fields, the details of construction may necessitate alterations falling within the scope of what is claimed.

The invention comprises further features and combination of parts, as hereinafter set forth, shown in the drawings, and claimed.

In the drawings:—

Figure 1 is a view in perspective of the knee pad constructed in accordance with the invention.

Fig. 2 is a cross sectional view on line 2—2 of Fig. 1.

Fig. 3 is a longitudinal sectional view which may be cut on line 3—3 of Fig. 1, and instead of showing a stuffed cushion, a pneumatic cushion is disclosed.

Fig. 4 is an enlarged detail perspective view showing the casing 12 with its pneumatic tube.

Referring more especially to the drawings, 1 designates a U-shaped casing, which consists of the metal base 2 having its forward end curved, and provided with a flange 4 upturned from two sides and one end, and the extension flange 3, which may be secured to the flange 4 of the metal base by means of rivets or the like 5. This extension flange 3 may be constructed of any suitable material, preferably leather, and its forward curved portion 6 inclines upwardly and forwardly, thereby providing a yieldable brace for that portion of the leg immediately above the knee, as the wearer leans forward. Secured by rivets 7 to said extension flange are the straps 8, which cross each other over the rear part of the leg immediately above the calf thereof, and have their extremities connected to the buckles 9, the leather tabs 10 of which are secured by the rivets 11 to the opposite side of the said extension flange. In Figs. 1 and 2 stuffed cushions are disclosed, but in Figs. 3 and 4 pneumatic cushions are employed. In Fig. 1 the cushion consists of an outer casing 13, while the cushion in Figs. 3 and 4 comprises a casing 12. In either case the casings 12 and 13 are tubular and U-shaped in plan view to conform to the base 2, and are constructed of any suitable material, preferably canvas. The under portion of the forward curved part 14 of each tubular casing has an opening 15 provided with a closure flap 16, and through which opening, a suitable cushioning means may be inserted in the casing. The casing 13 is filled with some suitable stuffing, as shown at 17 in Fig. 2, while the casing 12 contains a suitable pneumatic tube 18, which may be easily inflated by attaching a suitable pump, (not shown), to the extension tube 19^a, which may be provided with a suitable check valve, (not shown). However, when using either the stuffed casing 13 or the casing with the pneumatic tube, the knee is held substantially on a level with the upper edge of the flange 4 of the base plate 2, so as to prevent the knee from contacting with the upper edge of said flange 4 at its forward curved portion, when the leg of the wearer above

the knee leans forward. The extension tube 19ª extends through an opening at one end of the casing 12, so that some suitable inflating means or pump can be attached to said extension 19ª. However, when that portion of the leg leans forward, it engages the extension flange, which yields, and at the same time braces the leg, and also prevents the knee from moving forward and contacting with the upper edge of the forward curved portion of the flange 4. The casings 12 and 13 have side flanges or flaps 19, provided with apertures 20, through which and through the apertures 21 of the extension flange, suitable lacings 22 are passed or threaded, in order to hold either of the cushioning members in place. By supporting the wearer's knee sufficiently spaced up from the bottom of said base plate, a thorough circulation of air may be maintained under the wearer's knee.

The invention having been set forth, what is claimed as new and useful is:—

In a knee pad, a metal shoe having an upturned marginal flange extending from one side, about the forward end and to the opposite side, a fiber extension flange secured to the marginal flange, securing straps extending from one side of the extension flange to the other and over the leg to hold the pad in place, and cushioning means in the shoe to cushion the knee of the wearer and hold the knee on a plane substantially even with the upper edge of the marginal flange, said cushioning means consisting of tubular U-shaped casings, means to secure said tubular U-shaped casings to the extension flange, said tubular U-shaped casings having flap covered openings, through which the cushioning filling may be inserted into said casings.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

WILLIE A. BOYNTON.
GEORGE A. TERRELL.

Witnesses:
H. O. HOLBERT,
H. HARRIS.

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