Jan. 26, 1926. 1,571,088

D. E. BUCHANAN

KNEE PAD

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Fig. 1.

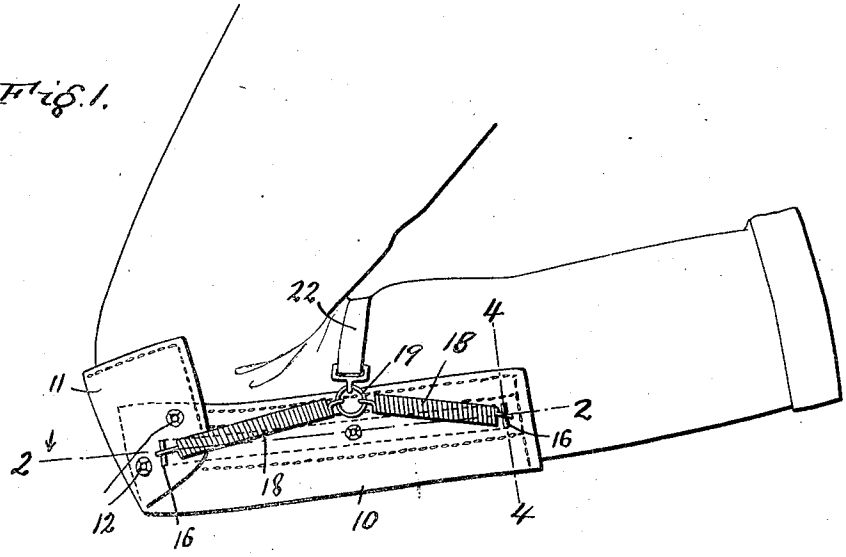
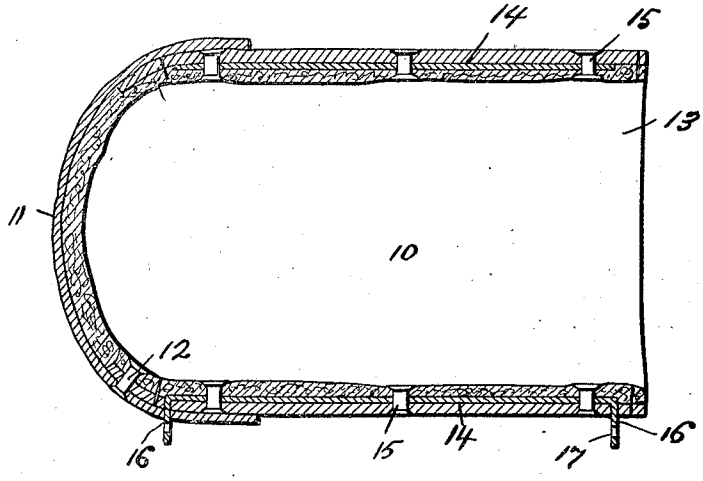


Fig. 2.



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INVENTOR

BY Victor J. Evans

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WITNESS: Gerald Hennessy

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Fig. 3.

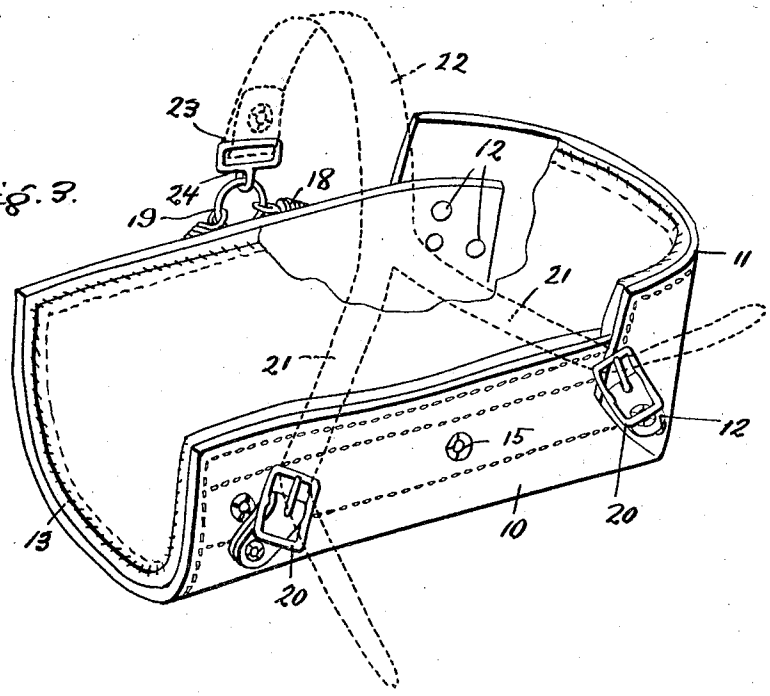
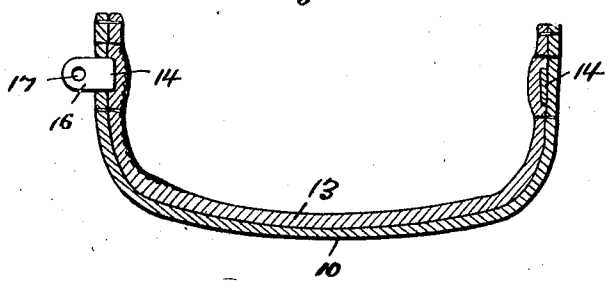


Fig. 4.



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Patented Jan. 26, 1926. 1,571,088

UNITED STATES PATENT OFFICE.

DAVID E. BUCHANAN, OF DUBLIN, TEXAS.

KNEE PAD.

Application filed April 14, 1925. Serial No. 23,037.

To all whom it may concern:

Be it known that I, DAVID E. BUCHANAN, a citizen of the United States, residing at Dublin, in the county of Erath and State of Texas, have invented new and useful Improvements in Knee Pads, of which the following is a specification.

This invention contemplates the provision of a knee pad which is primarily intended for use by cotton pickers or the like, although susceptible of the other uses, and such are contemplated by the claims, the invention residing in the construction, combination and arrangement of parts as claimed.

One of the chief characteristics of the invention resides in the provision of a novel construction of means for securing the pad to the leg of the user, whereby the invention may be worn with comfort, and at the same time effectively held against casual displacement upon the leg or knee, while said means is susceptible of adjustment as the occasion may require.

Another object of the invention resides in a knee pad which is reinforced at the opposite sides thereof to prevent buckling, the reinforcing means also providing for a strong and durable connection between the pad and the attaching means therefore.

In the drawings forming part of this application, like numerals of reference indicate similar parts in the several views, and wherein:

Figure 1 is a view showing the application of the invention.

Figure 2 is a sectional view taken on line 2—2 of Figure 1.

Figure 3 is a perspective view.

Figure 4 is a transverse sectional view.

The body of the pad is constructed from any suitable material preferably tough leather, the body portion being of substantially U-shaped formation in cross section and indicated at 10 and further including an upstanding curved end wall 11, which of course surrounds the knee of the user when the invention is attached to the leg as shown in Figure 1. The pad is however, constructed from a single piece of material, with the curved end wall 11 overlapping the adjacent ends of the sides to which they are riveted or otherwise suitably secured as at 12. The body portion and end wall is lined with a suitable felt 13 which is of course held in place by rivets above referred to, and is also stitched to the leather about the marginal edges of the pad as shown. In order to prevent the pad from buckling or the like, I employ reinforcing elements 14 which are arranged at the opposed sides of the pad adjacent the edges thereof as illustrated by dotted lines in Figure 3 and clearly shown in section in Figure 2. Each reinforcing element is in the nature of a metal strip which extends practically throughout the entire length of the pad, being positioned between the leather and the felt as shown in Figure 2, and secured in place by means of the rivets 15. These elements not only reinforce and strengthen the pad at the point desired, but they are further utilized to securely associate the attaching means to the pad itself, which means will be presently described. It will be noted that the reinforcing element 14 at one side of the pad has its extremities 16 offset and projected beyond the sides of the pad, each extremity having an opening 17.

The means for attaching the pad to the leg of the user in the manner shown in Figure 1, consists of two coiled springs 18 which have their corresponding outer ends attached to the offset extremities 16 of the particular reinforcing element above referred to, these springs being arranged in end to end relation, and having their corresponding inner extremities connected together by means of a ring 19. Attached to the other side of the pad is a pair of spaced buckles 20 adapted to be associated with the branches 21 of a strap 22 the latter being adapted to extend around the leg of the user as shown in Figure 1 and having its free end attached to the ring 19. For this purpose, the free end of the strip is looped as at 23 to support a hook like element 24 which is adapted to engage the ring 19 in order to hold the pad on the leg of the user, manifestly, by reason of this construction, the pad can be quickly and easily arranged upon the leg for use, or removed therefrom, and when in use, the attaching means being of a resilient nature allows the pad to be worn with comfort and at the same time effectively holds the pad in proper position of the leg preventing casual derangement with relation thereto as will be readily understood. The invention is very simple in construction, and can be manufactured and sold at a nominal cost.

While it is believed that from the foregoing description, the nature and advantages of the invention will be readily apparent, I desire to have it understood that I do not limit myself to what is herein shown and described, and that such changes may be resorted to when desired as fall within the scope of what is claimed.

Having thus described the invention, I claim:

1. In combination, a knee pad, a pair of resilient elements having their corresponding outer ends secured to one side of the pad, and arranged in end to end relation, a ring connecting the corresponding inner ends of said elements, a strip including branches adjustably connected with the other side of the pad, and means carried by the free end of the strip for engagement with said ring as and for the purpose specified.

2. In combination, a knee pad including a body portion having a curved end wall, a lining of relatively soft material, reinforcing elements arranged at the opposite sides of the pad, between the body portion and said lining, the ends of one of said elements being offset and projecting beyond the adjacent side of the body portion, resilient means supported by said ends, a strip including branches adjustably connected with the other side of said body portion, and adapted to have its free end connected with said resilient means for the purpose specified.

In testimony whereof I affix my signature.

DAVID E. BUCHANAN.