Aug. 10, 1948. J. A. KRCMAR 2,446,654

PROTECTOR PAD

Filed Dec. 17, 1945

Fig. 1

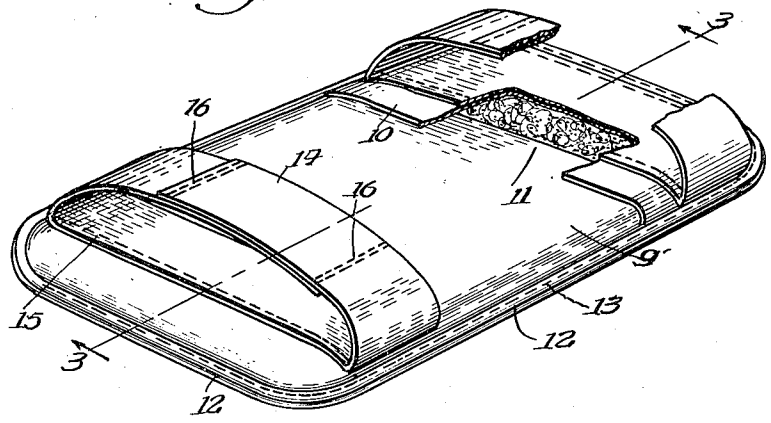


Fig. 2

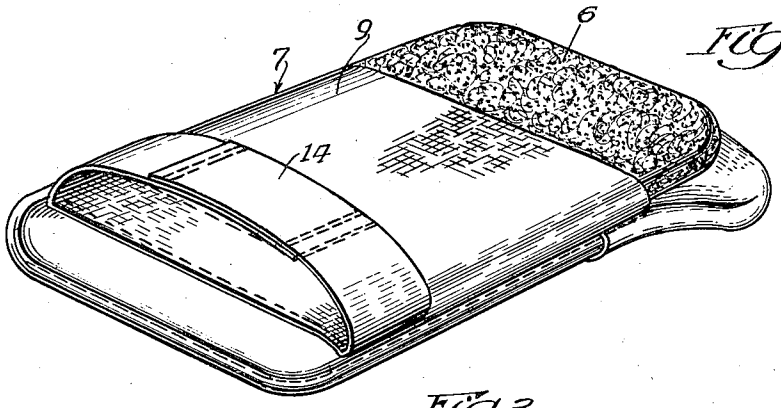


Fig. 3

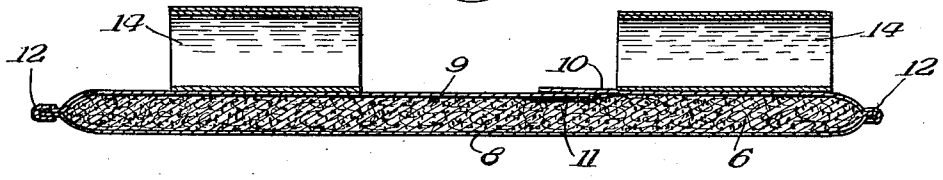
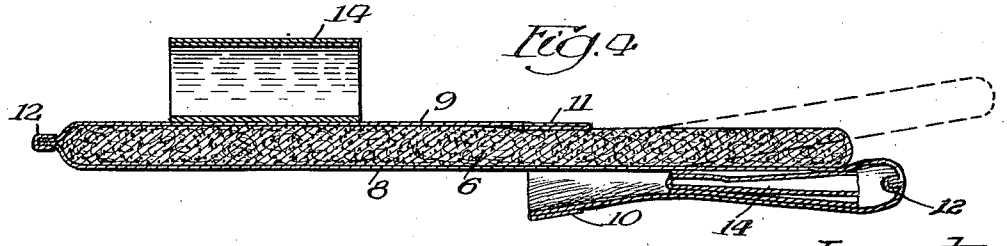


Fig. 4



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PROTECTOR PAD

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7 Claims. (Cl. 2—24)

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This invention relates in general to a pad particularly for protecting the elbow or knee of a wearer although it may be adjusted or varied in position to protect any portion of the arms or legs of a wearer.

An important object of the invention is to provide a fabric covered pad which is easily removed from the cover to replace the pad or to clean, repair or replace the cover.

A further object of the invention is to provide improved simple means for completely covering a flexible or yielding pad with a cover from which the pad may be removed at will.

Still a further object of the invention is to provide a fabric cover for a removable, resilient pad, the cover having an overlapped opening at one end through which the pad is removable when desired.

Still a further object of the invention is to provide a flexible protector pad of fabric or similar material having resilient fabric attachment bands for supporting it upon the arm or limb of a wearer.

A further object of the invention is to provide a flexible fabric container for a loose resilient pad, the pad having attachment bands and a covered opening through which the pad may be inserted and removed.

Another object of the invention is to provide a protector pad having a cover of light flexible material such as cloth, canvas and the like which may be separately cleaned, repaired and replaced, and having an opening adjacent one end through which a pad of flexible yielding material may be inserted, removed and replaced by similar or different pads for various uses.

Other objects of the invention will appear in the specification and will be apparent from the accompanying drawings in which

Fig. 1 is a perspective view of a protector pad in accordance with this invention with parts broken away at one end to illustrate the construction more clearly;

Fig. 2 is a perspective view of the pad as shown in Fig. 1 with a portion of the cover turned back for uncovering the end of the pad within the cover showing how it may be inserted and removed from the cover;

Fig. 3 is a sectional view taken on the line 3—3 of Fig. 1; and

Fig. 4 is a sectional view of the protector pad with one end of the cover turned back as shown in Fig. 2.

Various types of knee and elbow protectors have been provided in which the cover or casing

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for a resilient pad conforms more or less to the shape of the knee or elbow which they are to protect, but most of them are of heavy, cumbersome material, not adapted to be washed or cleaned and providing no means for detaching or removing the pad from the cover, and not intended to have a pad removable from the cover for replacement purposes or for substituting various types of pads in the same cover.

The present invention overcomes all of these objections by providing a cover of which the opposite sides are made of cloth-like towelling or canvas having a concealed opening at one end which may be bent or distorted to provide an opening into which a pad of resilient material, such as rubber, may be inserted and as easily removed. By providing elastic bands near the ends, the pad may be applied over the elbow or any portion of the arm and over the knee or any portion of the leg. When the protector pad becomes soiled or dirty or if it is desired to change the pad element for any reason, the cover is bent backwardly and the pad is removed and a new or substitute one is inserted.

Referring now more particularly to the drawings, a resilient pad 6 of rubber, sponge rubber or similar resilient material is shaped to conform to a container or cover 7 which is preferably constructed of light weight flexible fabric such as cloth, towelling, canvas and the like but it may be of any desired or suitable material.

The cover preferably comprises one side 8 extending entirely over one face of the pad 6 and opposite cover portions 9 and 10 which have an overlapping joint 11 intermediate the ends of the opposite face but together forming a complete facing for this side of the cover. The two opposite facings of the cover, comprising the side 8 and portions 9 and 10, are held together about their edges by a binding 12 which has stitching 13 extending through the binding and through the edges of the side covers tightly holding them together and forming a unitary cover.

Adjacent each end of that side of the cover which has the lapping joint 11 are flexible bands 14 preferably of rubber covered or mixed with fabric to give the bands greater resiliency so that they may be easily extended around arms or legs of various sizes without adhering too tightly thereto. These arm bands are connected to the adjacent cover portions 9 and 10 by stitching 15 or any other suitable fastening means and the extremities of the bands are preferably overlapped and connected by stitches 16 so that there

may be some variations in size of the bands, if desired.

With this construction one end of the cover comprising the side portion 10 may be easily inverted over the opposite side of the cover because of the flexible nature of the pad 6 thus uncovering the adjacent end of the pad as shown in Fig. 4 so that the pad may be easily inserted and removed from the cover, thus making it possible to entirely withdraw the pad, to replace the pad with another one of the same size or of a slightly different size, or to replace one pad with a pad of a different type. For example, a soft or sponge rubber pad may be used for a certain class of use whereas the pad of flexible but hard rubber or rubberlike material may be used for a different class of service. By removing the pad from the cover, the cover may then be washed or cleaned like any other article of cloth or similar fabric.

Although this pad is described as of a single size to accommodate it for all uses, it may also be made in various sizes and shapes embodying the construction and arrangement herein set forth, and various other constructions, combinations and arrangements may be made without departing from the spirit and scope of the invention.

I claim:

1. A protector comprising a resilient pad and a separate resilient cover therefor, the cover having opposite enclosing sides, one of the sides having transverse overlapping portions forming a joint through which the pad is insertable into the cover, and arm bands one at each side of the joint at that side of the cover to hold the joint closed when the protector is worn.

2. In a protector of the class described, a yieldable pad, a cover for the pad comprising opposite sides, one of the sides composed of transverse overlapping portions to form a separable joint, the cover being bendable oppositely from the joint to uncover the pad whereby to insert and remove the pad in the cover, and arm bands parallel to the joint and one at each side thereof to hold the joint closed when the bands are around the limb of a wearer.

3. In a protector of the class described, a resilient pad, a cover comprising opposite sides, one of the sides comprising at least two portions having a transverse overlapping joint extending transversely of the cover, means for binding the covers together about their edges and the cover being bendable oppositely from the joint over the end to the other side to provide an unobstructed opening at the end of the cover for applying and removing the pad, and arm bands on the joint side of the cover, one near each end of the cover.

4. In a protector of the class described a container cover having opposite side faces bound together about their edges, one of the side faces

having a transverse overlapping joint extending transversely of the cover and providing means for permitting the bending of the cover oppositely to open the cover, a resilient pad insertable in the cover and removable therefrom when the cover is bent oppositely from its joint, and arm bands on the joint cover and parallel with the joint one at each side thereof.

5. In a protector of the class described a cover comprising opposite sides, one of the sides having at least two portions with an overlapping joint extending transversely of the cover, the cover being separable and bendable oppositely at the joint, a pad of flexible resilient material insertable in the cover and removable therefrom when the said opening is exposed and resilient bands secured to the said separable portions of the cover adjacent the ends thereof parallel to the joint and holding the said joint of the cover in closed position when the said bands are applied to the arm or leg of a user.

6. In a resilient arm and leg protector comprising a pad of flexible resilient material, a cover therefor having opposite side faces, one of the faces comprising a pair of parts overlapping to form a joint at a distance from one end of the cover, a pair of resilient arm bands secured to the said portions of the cover adjacent the ends parallel to and outside of the overlapping joint to hold the protector upon the arm or leg of a wearer and to maintain the said joint in closed position.

7. A resilient flexible protector for the arm or leg of a wearer comprising a resilient flexible pad, a cover therefor comprising opposite sides bound together about their edges, one of the sides being a single unitary material and the other side being formed of at least two pieces having lapped portions forming an open joint, the extremities of the lapped portions being securely held in place by the edge binding, the joint being intermediate the ends of the cover and a pair of flexible resilient arm bands secured adjacent the ends of the cover and to that side comprising the plurality of portions, the arm bands having outer overlapping portions adapted to be stitched together in varying overlapping relation to vary the size of the arm bands.

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