June 20, 1944. E. W. BEATTY 2,351,906

FINGER GUARD

Filed June 13, 1942

Fig. 1.

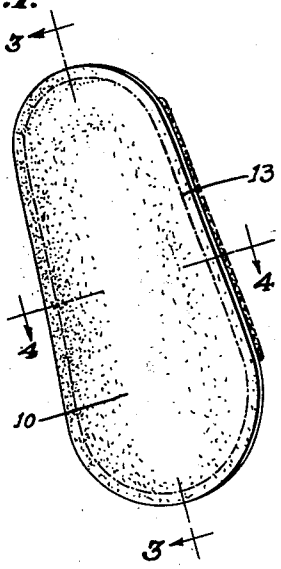


Fig. 2.

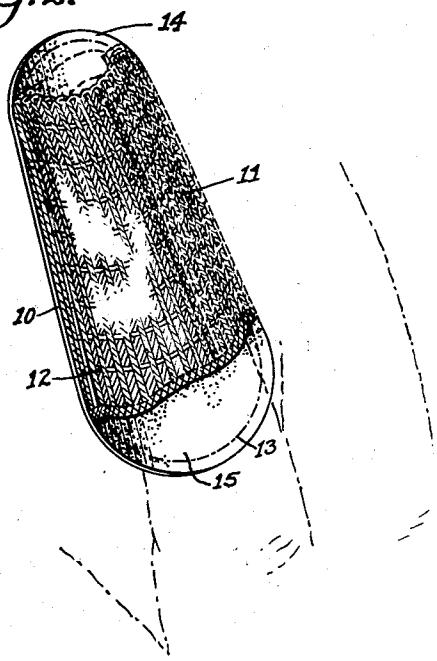


Fig. 3.

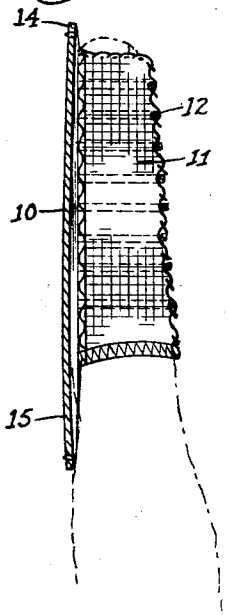
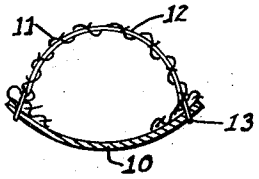


Fig. 4.



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UNITED STATES PATENT OFFICE

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FINGER GUARD

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Application June 13, 1942, Serial No. 446,859

2 Claims. (Cl. 2—21)

The invention relates to a guard or protective device for the finger or thumb and the general aim of the invention is to provide a strong wear-resisting device of this character which is simple and may be manufactured inexpensively from waste material.

An object is to provide a finger or thumb guard which embodies a wear-resisting protecting or covering member fashioned from scrap leather having a back member formed of a resilient knitted fabric secured thereto, the members being dimensioned to cover a finger or thumb with the protective member extending beyond the opposite ends of the back member.

In the drawing:

Figure 1 is a perspective view looking toward the protective member of a guard embodying the features of the invention.

Fig. 2 is a similar view looking toward the back member and illustrating somewhat diagrammatically the manner of its use.

Fig. 3 is a longitudinal sectional view taken along the line 3—3 of Fig. 1.

Fig. 4 is a transverse sectional view taken along the line 4—4 of Fig. 1.

While the invention is susceptible of various modifications and alternative constructions, I have shown in the drawing and will herein describe in detail, the preferred embodiment, but it is to be understood that I do not thereby intend to limit the invention to the specific form disclosed, but intend to cover all modifications and alternative constructions falling within the spirit and scope of the invention as expressed in the appended claims.

A guard device embodying the features of the invention is a simple structure which, while it affords ample protection to the wearer's finger or thumb in many industrial operations, may be manufactured from such materials as scrap leather and knitted fabrics. The device consequently may be manufactured and sold quite cheaply.

The exemplary form of device shown in the drawing comprises a protective covering member 10 preferably formed of scrap leather since this material is cheap and relatively plentiful. The protective member is elongated to extend substantially the length of a finger and is of sufficient width to curl partially about the opposite sides thereof.

A back member 11 is preferably fashioned of a knitted resilient fabric which may be of the type in which resiliency is increased by small bands or threads of rubber 12 woven into the fabric. The back member may be suitably secured to the protective member along the side margins only thereof by a line of stitching 13 thereby to form a finger or thumb receiving tube. Preferably, the lines of stitching extend through the protective and backing members and are positioned inwardly of the side margins of the protective member. By virtue of this inward spacing of the lines of stitching, said lines of stitching are protected by the outwardly extending side margins of the protective member. The back member is somewhat shorter than the protective member and is intermediately located relative thereto so that the protective member extends beyond the ends of the back member, as at 14, 15, to protect, respectively, the outer end and the inner knuckle portions of the finger or thumb while avoiding undesirable lateral thickness of material at the ends of the device. Preferably the line of stitching runs continuously about the margin of the protective member for convenience in manufacture and the stitching at the ends of the device, while leaving the ends of the finger and thumb receiving tube open, tends to strengthen the ends of the protective member against tearing or fraying.

The present device is of particular importance in industry under present conditions where protection to workers is especially desirable to avoid loss of production hours. The device, for example, may be employed to advantage in such operations as buffing, grinding, polishing, sanding, sorting, trimming, stamping and in the operation of many machine tools and the like.

I claim as my invention:

1. A guard for the finger or thumb of the hand having, in combination, an elongated protective member shaped and dimensioned to cover the front or back surface of a finger or thumb and extend partially about opposite sides thereof, a back member fashioned of resilient material, and lines of stitching extending through said members and spaced inwardly from the side margins of said protective member, whereby the side margins of said protective member outwardly beyond the lines of stitching protect said lines of stitching.

2. A guard for the finger or thumb of the hand, having, in combination, an elongated protective member of a length sufficient to cover substantially the length of the front or back surface of a finger or thumb and of a width sufficient to cover said surface and to extend partially

about opposite sides thereof, a back member fashioned of resilient material of a length sufficient to cover a substantial portion of the front or back surface of a finger or thumb and of a width corresponding substantially to the width of said protective member, said protective member being of greater length than the length of said back member and extending freely beyond opposite ends of said back member, and means for securing said protective and back members together along the side margins only thereof to form an open ended finger or thumb receiving tube.

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