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SAFETY GLOVES

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FIG. 1

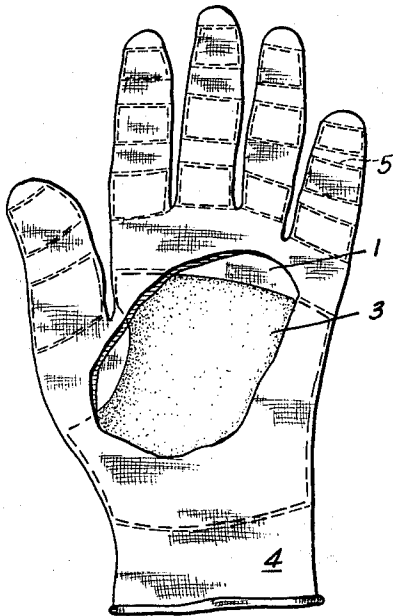


FIG. 2

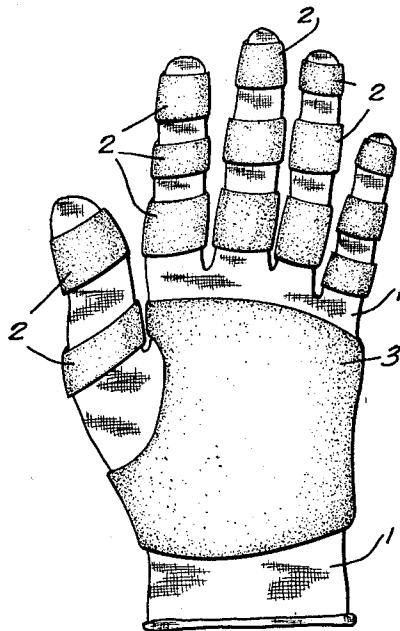
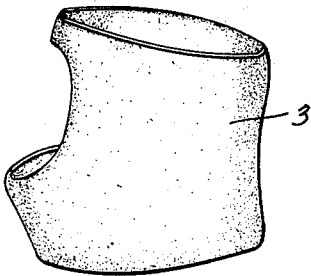


FIG. 3



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**SAFETY GLOVES**

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3 Claims. (Cl. 2-161)

(Granted under Title 35, U.S. Code (1952), sec. 266)

The invention described herein may be manufactured and used by or for the Government for governmental purposes without the payment to me of any royalty thereon.

This invention relates to gloves and, more particularly, to gloves worn to protect the hands while engaged in work. The glove provided by this invention is designed to reduce injury to the hands caused by the impact of blows to the hand as may occur, for example, when a heavy object falls upon the hand or the hand is struck by a hammer while holding a nail.

A principal object of this invention is to minimize the injury to the hand caused by blows to the hand.

Another object is to reduce such injuries as may occur when the hand becomes engaged in machinery or is caught under a heavy weight or other compressive force.

With the foregoing objects in view, together with others which will appear as the description proceeds, the invention consists in the novel construction, combination and arrangement of parts, as will be described hereinafter, illustrated in the drawings, and particularly pointed out in the claims.

FIG. 1 illustrates the construction of the glove fitted to a hand with part of the outer covering cut away to reveal the protective piece covering the back of the hand and part of this inner covering;

FIG. 2 illustrates the glove with the outer covering removed to show the placement of the protective rings about the inter-jointal areas of the fingers and the inner protective covering; and

FIG. 3 is a view of the protective piece which protects the palm and back of the hand.

As shown in the drawings the invention comprises the use of protective rings about the fingers and a protective piece about the hand which are sewn between the inner and outer covering members of the glove, affording protection to the hand and fingers from crushing impacts and blows.

With reference to the drawings the invention includes the use of an inner protective covering 1 made of a flexible material such as cloth or pliable plastic which is shaped to conform to the hand and fingers. A series of protective rings 2 made from a rather inflexible material, such as a rigid plastic or metal, are placed over the inner covering around the fingers in the inter-jointal areas. A protective hand piece 3, made of the same relatively inflexible material, conforming to the palm and back of the hand with holes for the wrist, thumb, and fingers is placed over the inner covering around the palm and hand. An outer covering 4 made in a manner similar to the inner protective covering 1 to conform to the fingers and hand is placed over the rings 2, the protective hand piece 3, and the inner protective covering 4. The protective rings 2 and protective hand piece 3 may be sewn between the inner 1 and outer 4 covering by sewing the inner covering to the outer covering along lines extending laterally around the fingers and hand just above and below the rings and protective piece, as shown at 5 in FIG. 1. The inner and outer glove covering may be constructed in any of several conventional ways.

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It can be seen that the structure of this glove affords protection to the hands and fingers of the wearer from injury resulting from blows to the hand and compression of the hand.

While one embodiment of my invention has been shown and described, it will be apparent that other adaptations and modifications may be made without departing from the scope of my invention and the following claims.

I claim:

1. A safety glove comprising:
  - (a) an inner hand covering member;
  - (b) an outer hand covering member configured to receive said inner hand covering member;
  - (c) a plurality of relatively inflexible rings secured between said inner and outer hand covering members to surround the fingers of a hand;
  - (d) a relatively inflexible protective piece secured between said inner and outer hand covering members to surround the palm of a hand.

2. A safety glove comprising:

- (a) an inner hand covering member having finger and thumb receiving sockets;
- (b) an outer hand covering member configured to encase said inner hand covering member;
- (c) a plurality of mutually spaced relatively inflexible rings secured between said inner and outer hand covering members to surround the fingers, and thumb of a hand; and
- (d) a relatively inflexible protective piece secured between said inner and outer hand covering members to surround the palm of a hand.

3. A safety glove comprising:

- (a) an inner covering for the hand, thumb, and fingers made of flexible material and fitted to conform to the configuration of the hand, thumb, and fingers;
- (b) an outer covering for the hand, thumb, and fingers made of a flexible and wear resistant material, such as leather, and fitted to conform to the configuration of the hand, thumb, and fingers but of slightly larger size than the inner covering to receive said inner covering;
- (c) a series of rings made of a relatively inflexible material and fitted to conform to the fingers and thumb about all interjointal areas and at the tips of each finger and the thumb, said rings being encased between said inner and outer coverings by sewing the inner and outer coverings together along lateral lines above and below said rings; and
- (d) a protective piece made of a relatively inflexible material and fitted to conform to the hand to cover the back of the hand and the palm area with properly fitted holes for the wrist, thumb, and fingers, said protective piece being encased between said inner and outer covering by sewing the inner and outer coverings together along lateral lines above and below said protective piece.

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JORDAN FRANKLIN, *Primary Examiner.*

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