July 5, 1966 C. P. TURNIDGE ETAL 3,258,782

POLICEMAN'S GLOVE

Filed May 13, 1964

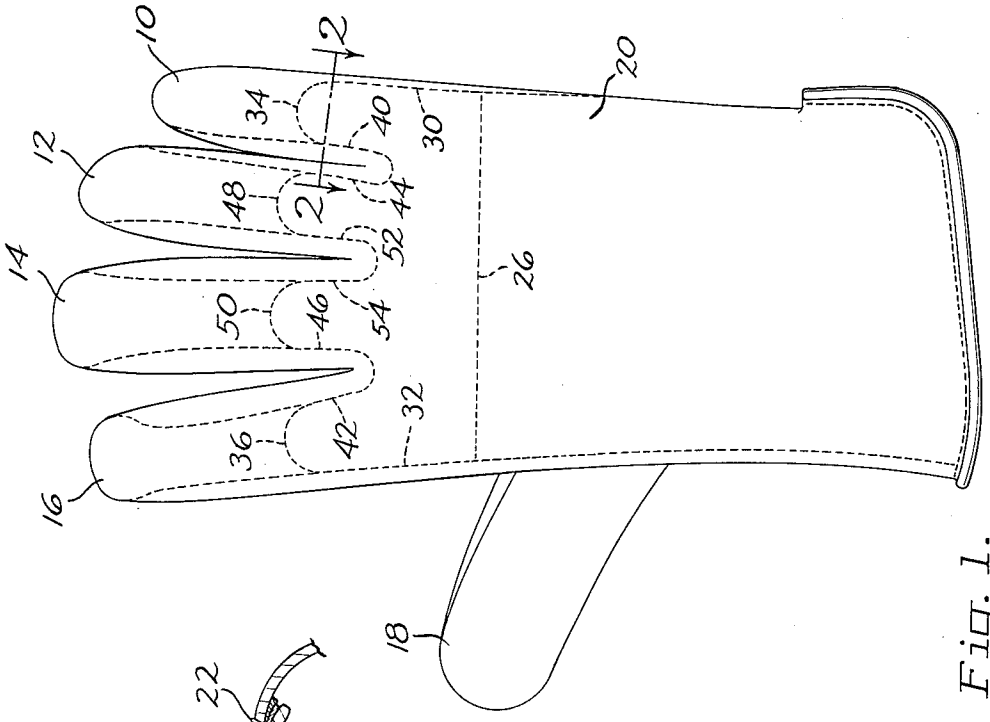


Fig. 1.

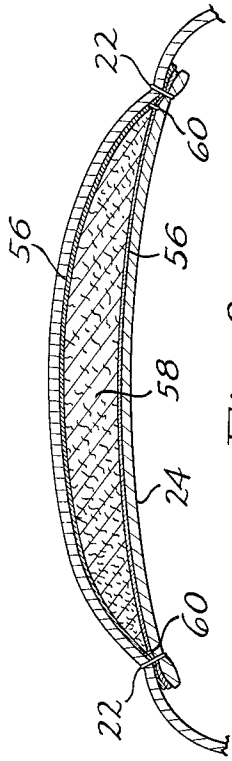


Fig. 2.

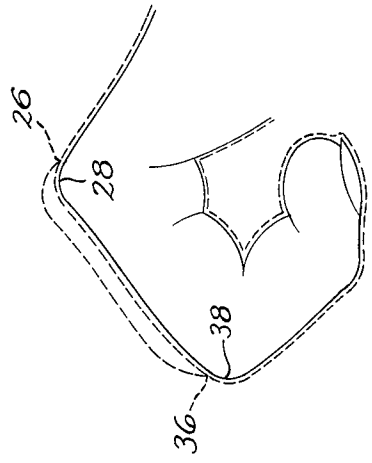


Fig. 3.

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POLICEMAN'S GLOVE

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This invention relates to gloves, and more particularly to a weighted glove for use by law enforcement personnel. The present invention represents an improvement over the policeman's glove construction disclosed in our earlier Patent No. 3,108,285.

It is frequently necessary for law enforcement officers to use physical force in quelling disturbances, effecting arrests and other similar circumstances. Saps or night sticks are commonly employed for this purpose and, under extenuating circumstances it is sometimes necessary to use the fists. Although such devices inflict minimum marking or other injury, the connotation of brutality associated with them oftentimes brings scorn and indignation from onlookers.

In one of the embodiments of the policeman's glove disclosed in our earlier patent identified above, a laterally compartmented inner sack containing powdered lead or other suitably heavy material, is contained in a main pocket provided on the back side of the glove in an intermediate transverse area overlying the first knuckles of the hand. Although this glove functions adequately for the purpose intended, there is sufficient restriction to the flexing of the fingers at the first joint, that the ability to make a fist of the hand and to otherwise manipulate the fingers, is somewhat impaired.

Accordingly, it is the principal object of the present invention to provide a policeman's glove in which weighting material is incorporated in the area overlying the first knuckles of the hand while still accommodating substantially unrestricted articulation of the first knuckles as well as the other knuckles outwardly thereof.

Another important object of the present invention is to provide a weighted glove by which a law enforcement officer may quickly subdue a person simply by an unobtrusive open-handled slap.

Still another important object of this invention is to provide for law enforcement personnel a glove which is weighted with heavy material in powdered form, whereby its use as a sap does not result in marking or other injury to a troublemaker.

Another important object of the present invention is to provide a weighted glove for law enforcement personnel, which glove has all the appearances of a conventional glove and may be worn without encumbering the normal use of the hands for driving, writing, etc.

A further important object of the present invention is the provision of a weighted glove for law enforcement personnel, which glove is of economical construction and is capable of long and severe use.

The foregoing and other objects and advantages of this invention will appear from the following detailed description, taken in connection with the accompanying drawing in which:

FIG. 1 is a plan view of the back side of a glove embodying features of the present invention and showing in dotted outline the configuration and position of the weight containing compartment;

FIG. 2 is a fragmentary sectional view taken along the the line 2—2 in FIG. 1 and showing the internal construction of the weight containing compartment of the glove; and

FIG. 3 is a fragmentary side view of a hand drawn to form a fist, and showing in dash lines the position of the weight containing compartment of the glove of the present invention relative to the first and second knuckles of the hand.

In its basic concept, the present invention involves the incorporation with a conventional glove of a midsection weighted with heavy material in powdered or otherwise minutely particulate form and positioned on the back side of the glove and extending over an area which terminates at its rearward end just rearwardly of the first knuckles of the fingers and which terminates at its forward end just rearwardly of the second knuckles of the fingers.

In the drawing there is shown a conventional glove provided with finger compartments **10**, **12**, **14**, **16** and a thumb compartment **18** projecting appropriately from an intermediate portion of the glove body **20** which covers the palm and back side of the hand. The rearward portion of the glove body covers the wrist area, in conventional manner.

In accordance with the present invention a peripherally sealed pocket is provided on the back side of the glove, in the area defined by the stitching **22** (FIG. 2) which secures the underlying strip **24** of leather or other suitably flexible and imperforate material to the inner surface of the back side of the glove. Thus, referring to FIG. 1, the rearward side of the pocket area is defined by the stitching line **26** which extends transversely across the back side of the glove body just rearwardly of the first knuckles **28** of the hand (FIG. 3). The lateral sides of the pocket area are defined by the stitching lines **30** and **32**, respectively, which extend forwardly from the lateral ends of the line **26** along the outer sides of the little finger compartment **10** and index finger compartment **16**, respectively. The forward end of the pocket area is defined by stitching that extends from the forward ends of the lines **30** and **32** laterally across the little and index finger compartments **10** and **16** along lines **34** and **36** just rearward of the second knuckles **38** of the little and index fingers, respectively, thence rearward along lines **40** and **42** at the inner sides of the little and index finger compartments to the bases thereof, thence forward along lines **44** and **46** at the outer sides of the middle finger compartments **12** and **14**, thence laterally across these finger compartments along lines **48** and **50** just rearward of the second knuckles **38** of the middle fingers, and finally rearward along lines **52** and **54** at the inner sides of the middle finger compartments to the bases thereof.

In the preferred embodiment illustrated there is confined within the aforementioned pocket an inner sack **56** conforming substantially to the outline of the main pocket. This inner snack also preferably is secured within the main pocket by means of the same stitching **22** which secures the underlying strip **24** of material to the inner surface of the back side of the glove body.

The inner sack contains an appropriate quantity of powdered or otherwise finely particulate lead or other suitably heavy material **58** such as the metals copper, iron, nickel and alloys containing them. The amount of powdered material may be varied as desired, although it has been found that five or six ounces are quite suitable for the intended purpose. The inner sack is made of cloth or other suitably flexible material which also is sufficiently imperforate to confine the powdered heavy material within it. The periphery of the sack pocket is defined by the stitching **60** which is located slightly inward of the peripheral margin of the sack. In this manner the sack may be secured within the main pocket by extending through the marginal portion between the stitching **60** and the periphery the same stitching **22** which secures the underlying strip of material to the inner surface of the back side of the glove.

It will be understood that the inner sack may be omitted if the stitching **22** or other suitable means insures an imperforate margin seal for the main pocket. In this case the quantity of powdered lead or other heavy material **58** is contained directly in the main pocket.

It is to be noted that the quantity of powdered material is confined within an area which extends from just rearward of the first knuckles **28**, thus covering the latter, to a point just rearward of the second knuckles **38**, thus not covering the latter. It is by this means that a sufficient quantity of the heavy material may be incorporated into the glove while still affording complete articulation of the fingers, without restriction. Thus, although the glove is intended to be used normally for an open-handed blow, the position of the powder-containing pocket in the area described permits the hand to be closed for delivering a fist blow, if necessary. In either case the additional weight enhances the force of the blow, and the powdered form of the heavy material prevents marking or other injury. The powdered form of the heavy material also renders the glove completely flexible, permitting normal use of the hand and fingers, and allowing the glove to be folded for storage in a pocket.

It will be apparent to those skilled in the art that various changes may be made in the details of construction described hereinbefore without departing from the spirit of this invention and the scope of the appended claim.

Having now described our invention and the manner in which it may be used, what we claim as new and desire to secure by Letters Patent is:

A law enforcement glove comprising a glove body having flexible finger and thumb compartments and palm and back portions rearwardly of the finger compartments, means forming in the back section and the back side of the finger compartments a pocket extending transversely of the glove body between a rearward end substantially immediately rearward of the first knuckles of the fingers to a forward end substantially immediately rearward of the second knuckles of the fingers, and a powdered heavy material filling and being confined within the pocket, whereby when the glove is worn on the hand the powdered heavy material overlies the first knuckles of the fingers and extends forwardly along the latter to a point substantially immediately rearward of the second knuckles.

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JORDAN FRANKLIN, *Primary Examiner.*

G. V. LARKIN, *Assistant Examiner.*