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R. AMES ET AL

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FINGER GUARD

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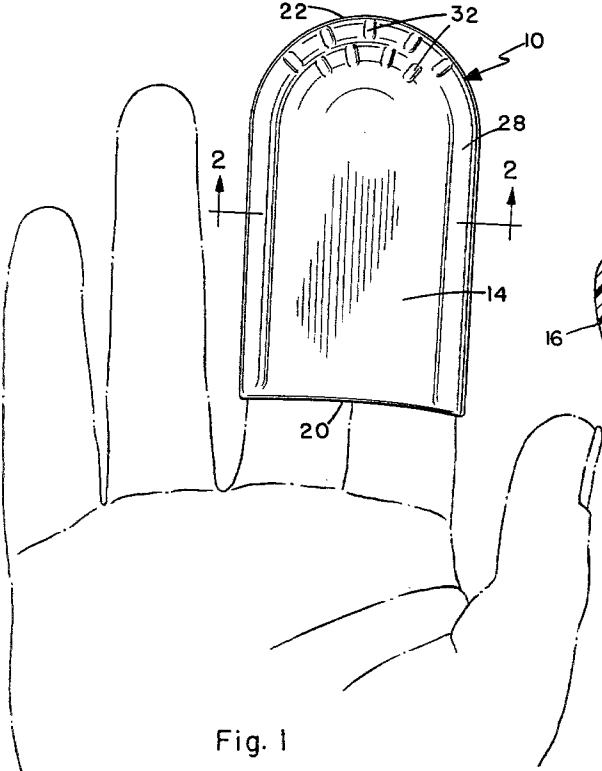


Fig. 1

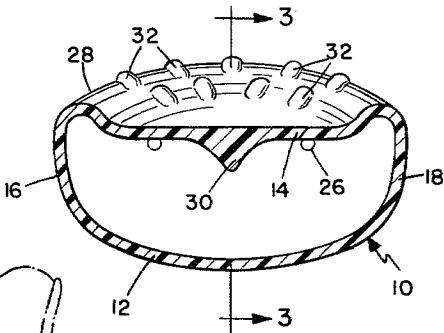


Fig. 2

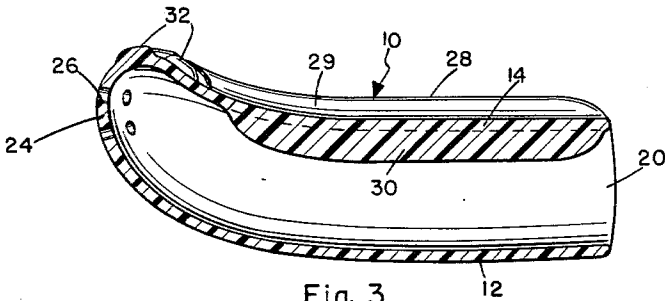


Fig. 3

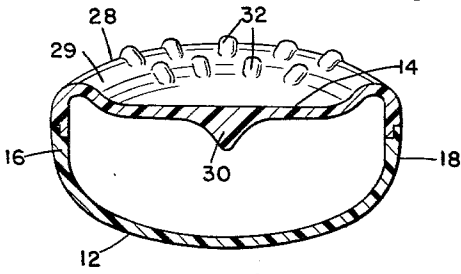


Fig. 4

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3,228,033

FINGER GUARD

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The present invention relates generally to a baby guard and more particularly to a guard adapted to be placed over the fingers of a person for use while pinning garments, particularly diapers, on a baby.

The primary object of this invention is to provide an effective baby guard adapted to be positioned on the fingers of one hand and so located adjacent a baby's body as to positively prevent accidental penetration of the body by a pin used in the securing of garments.

It is a further object of this invention to provide an improved guard adapted to be positioned on the fingers of one hand having means incorporated therein to direct the point of a safety pin into the proper position to be engaged by the locking head of the safety pin.

It is a still further object of this invention to provide an improved baby guard to protect the hand of a person, and more particularly the fingers, against injury by a pin, needle or other pointed implement.

Finally, it is an object to provide a baby guard of the aforementioned character which is simple and convenient to use and which will give generally efficient and durable service.

With these and other objects definitely in view, this invention consists in the novel construction, combination and arrangement of elements and portions, as will be hereinafter fully described in the specification, particularly pointed out in the claims, and illustrated in the drawings which form a material part of this disclosure, and in which:

FIGURE 1 is a view of our improved guard in position of use embracing the index and middle finger of one hand;

FIGURE 2 is a section on the line 2-2 of FIGURE 1;

FIGURE 3 is a section on the line 3-3 of FIGURE 2;

FIGURE 4 is a section similar to FIGURE 2 of a slightly modified form of our invention.

Our improved baby guard consists of an elongated hollow body member generally indicated by the reference numeral 10. This body member has a bottom wall 12, top wall 14 and side walls 16 and 18. One end 20 of body 10 is open to facilitate entry of fingers therein. The other end 22 is curved as shown in FIGURE 1. Side walls 16 and 18 extend around the end 22 to form a substantially closed end wall 24. If desired, apertures 26 may be provided in end wall 24 for the purpose of facilitating passage of fluid therethrough during washing.

The upper surface of the top wall 14 is flat throughout the major portion of the top wall with a raised portion or peripheral guard rail 28 located adjacent the juncture of the top wall with the side walls 16 and 18 and end wall 24. As will be apparent from FIGURE 3 this guard rail extends completely around the body member except for open end 20 and has an inner inclined surface 29 that merges with the upper surface of top wall 14.

The inner surface of top wall 14 has formed integrally therewith an inwardly extending rib 30. As shown in FIGURE 3 this rib extends longitudinally throughout the

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major portion of top wall 14 and serves not only as a reinforcing means but also as a means to guide and separate the fingers during application of the guard on the hand. Anti-slippage or cloth gripping structure, such as nodular structure 32 or serrations are provided on the forward upper edge portion.

Guard 10 is formed of any suitable material having the desired hardness characteristics. Any of the well known synthetic plastics which are particularly suited for molding may be used. Although we prefer to mold our guard in one piece as shown in FIGURE 2, it may be formed in two pieces secured together by an adhesive or other means, as shown in FIGURE 4.

Operation

With particular reference to FIGURE 1 our improved guard is shown in position of use on the index and middle finger of the hand with guard rail 28 extending upwardly. The point of application of a conventional safety pin in the baby's garment is now located and the guard 10 positioned directly between this point and the baby's body. Upon insertion of the pin through the garment the point will strike the upper surface of the guard at a point within the area defined by the guard. Further movement of the pin will cause the point to engage the inclined surface 29 where it will be directed upwardly for return penetration of the garment to a position for sealing with the usual head of the safety pin.

It is understood that minor variation from the form of the invention disclosed herein may be made without departure from the spirit and scope of the invention, and that the specification and drawing are to be considered as merely illustrative rather than limiting.

We claim:

1. A guard adapted to be fitted upon two adjacent fingers comprising:

an elongated hollow body having spaced top and bottom walls interconnected by side walls substantially coextensive in length with the top and bottom walls, a substantially closed end wall and an open end, said top wall having an upper surface which is flat throughout the major portion of the top wall; and an upwardly extending guard rail curvedly merged with and disposed peripherally of said upper surface at the junction of said top wall and side walls and generally defining the upper lateral edges of the guard, said upper surface and guard rail being of hard material so that the point of a pin moving along the upper surface of the top wall will be deflected upwardly upon contact with said guard rail.

2. A guard as claimed in claim 1 in which the inner surface of the top wall is provided with a longitudinal reinforcing rib midway between the side walls and extending inwardly part way toward said bottom wall.

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JORDAN FRANKLIN, Primary Examiner.