United States Patent [19]

Rogers

[11] **3,865,370**

[45] **Feb. 11, 1975**

[54] **SURVIVAL HAND WEAPON**

[76] Inventor: **Dale R. Rogers,** 2647 Flamingo Dr., Fayetteville, N.C. 28306

[22] Filed: **Dec. 19, 1973**

[21] Appl. No.: **426,258**

[52] **U.S. Cl.** **273/84,** 30/169, 30/340

[51] **Int. Cl.** **B26b 3/00,** B25g 1/00

[58] **Field of Search** ..... 273/67 R, 67 B, 76, 84; 15/236 R; 17/21; 30/169, 298, 329, 340; 128/305

[56] **References Cited**

UNITED STATES PATENTS

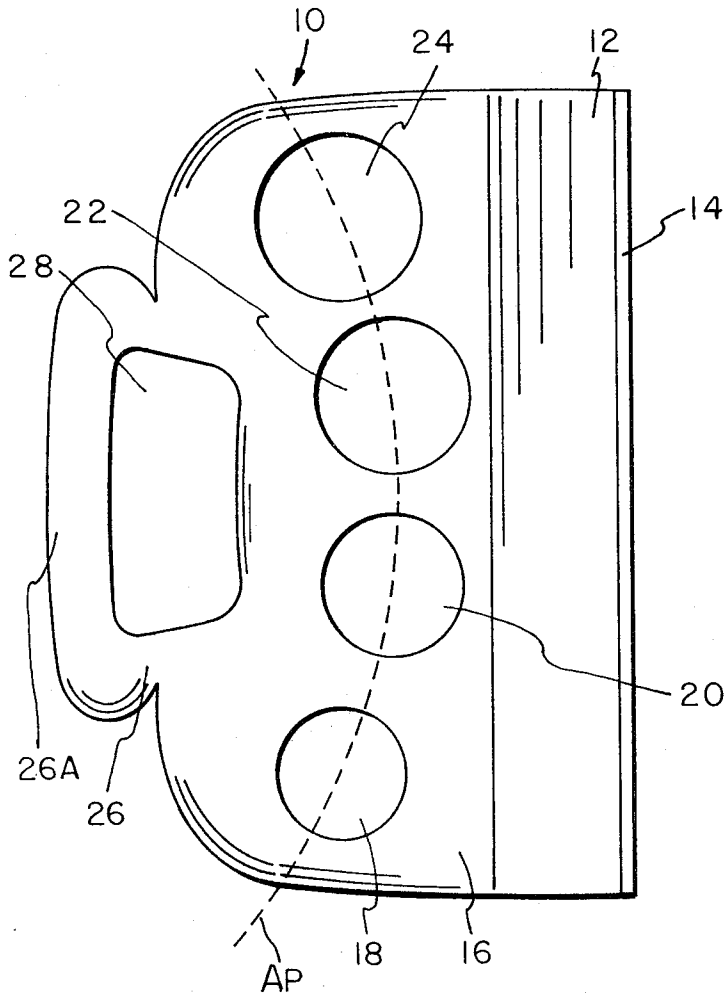
969,528	9/1910	Disbrow	30/169
2,172,182	9/1939	Thomas	15/236 R UX
2,178,019	10/1939	Knuteson	30/169
2,391,782	12/1945	Hutchison	273/84
3,674,268	7/1972	Shellman	273/76
3,780,393	12/1973	Gaetke	15/236 R X

Primary Examiner—Richard J. Apley
Attorney, Agent, or Firm—Mills and Coats

[57] **ABSTRACT**

The present invention relates to a survival hand weapon comprising an elongated blade having a cutting edge beveled on one edge thereof, a finger receiving portion including a plurality of finger openings extending from an edge of said cutting blade opposite the beveled cutting edge, and a palm rest extending from said finger receiving portion and engageable with the palm of the user's hand whereby said palm rest tends to absorb the shock associated with a particular blow and to transfer the shock to the palm of the user's hand.

1 Claim, 3 Drawing Figures



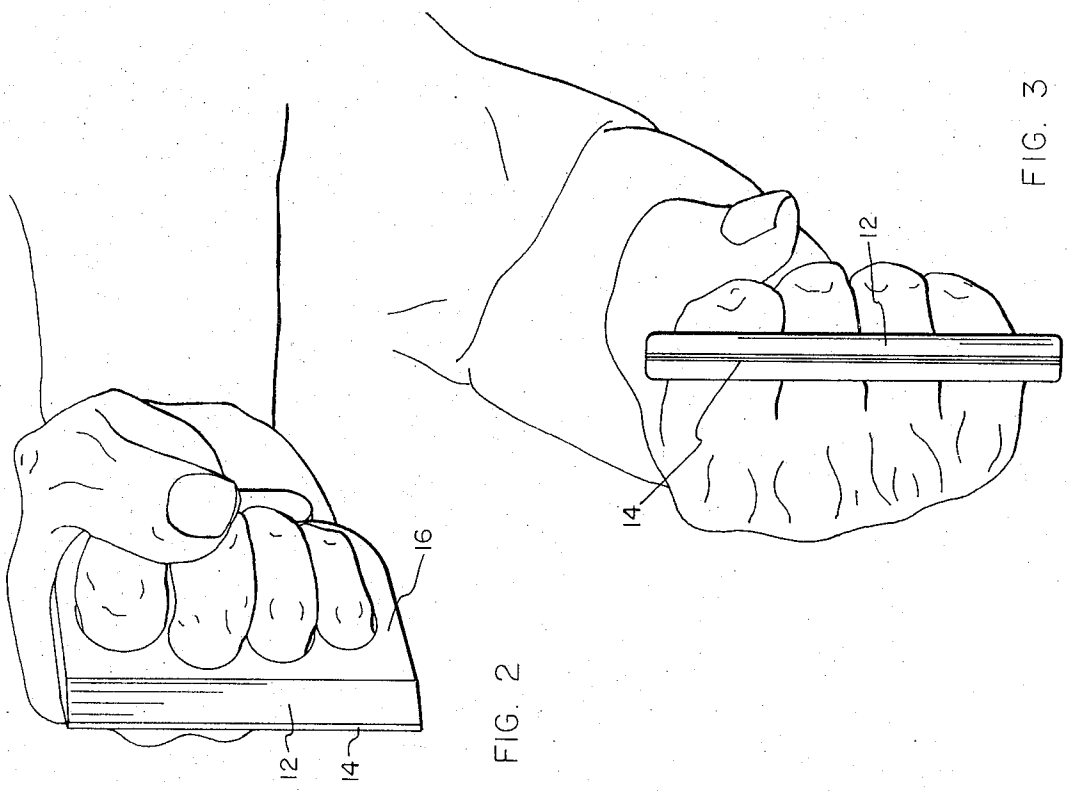


FIG. 2

FIG. 3

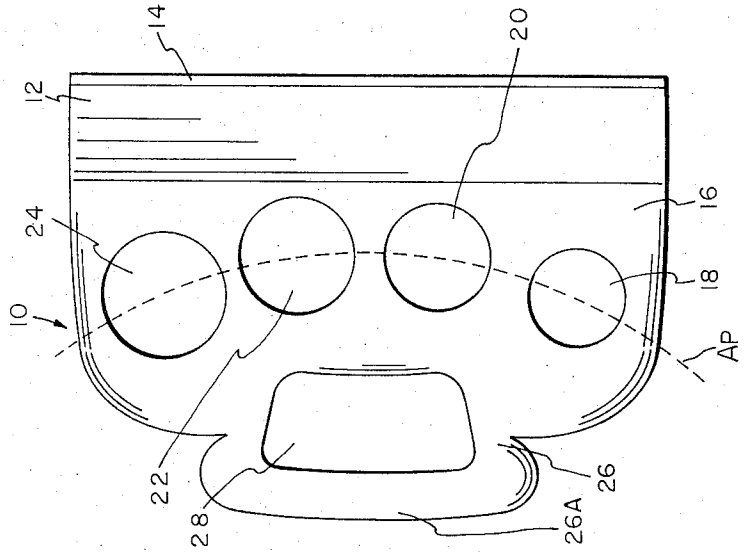


FIG. 1

SURVIVAL HAND WEAPON

The present invention relates to weapons, and more particularly to hand weapons adapted to be carried and supported by the user's hand.

Hand weapons of various types have long been effectively used in certain combat, self-defensive and general survival situations. Such hand weapons lend themselves to "close-in" fighting and are particularly effected in face-to-face confrontations where firearms are not available or cannot be safely used without subjecting bystanders or comrades to unreasonable risk.

The present invention relates to a survival hand weapon of the nonfirearm type comprising an elongated blade having a beveled cutting edge formed along the forward edge thereof, a plurality of finger receiving openings extending from the edge of the elongated blade opposite the cutting edge for receiving a plurality of fingers from the user's hand, and a palm rest extending from the plurality of finger openings for extending between the fingers and the palm of the user's hand which acts to transfer the shock associated with a particular blow to the palm of the user's hand.

Therefore, it is seen that the hand weapon of the present invention is designed to fit the user's hand by allowing the fingers of the user to extend through the finger openings of the hand weapon between the elongated blade and the palm rest. When properly placed on the hand, the finger openings rest adjacent the knuckle line of the hand and the forward portions of the finger bend back to engage the palm rest and hold it tightly adjacent the palm of the hand. This tends to align the blade such that it lies in a plane generally perpendicular to the plane of the finger portions extending through the finger openings.

Thus when used the hand survival weapon of the present invention can be used in conjunction with other types of hand weapons and can compliment other forms of combat or self-defensive such as karate.

It is, therefore, an object of the present invention to provide a hand weapon that can be carried and supported by the hand and which will be effective in combat, self-defense and other general survival situations.

A further object of the present invention is to provide a knife type hand weapon including a plurality of finger openings for receiving the fingers of the user's hand, and a palm rest extending from the plurality of finger openings for engagement with the palm in order that the shock associated with a particular blow is transferred by the palm rest to the palm of the hand.

A still further object of the present invention is to provide a sharp cutting hand weapon that is adapted to fit a user's hand such that the fingers of the user's hand can be inserted through the plurality of finger openings and locked therearound to assure that the hand weapon will be naturally retained in the hand while being used in a combat or self-defense survival situation.

Other objects and advantages of the present invention will become apparent and obvious from a study of the following description and the accompanying drawings which are merely illustrative of the present invention.

DESCRIPTION OF THE DRAWINGS

FIG. 1 is a side elevational view of the survival hand weapon of the present invention;

FIG. 2 is a perspective view of the survival hand weapon as held in the hand of an individual;

FIG. 3 is a front elevational view of the survival hand weapon of the present invention illustrating the relationship of the weapon to the portion of the hand shown.

DESCRIPTION OF THE PREFERRED EMBODIMENT

With further reference to the drawings, particularly FIG. **1**, the hand survival weapon of the present invention is shown therein and indicated generally by the numeral **10**. Referring to the hand survival weapon **10** in greater detail it is seen that the same comprises an elongated blade **12** which is preferably tapered towards the front edge thereof (the forward direction being the direction toward the right of the hand survival weapon as viewed in FIG. 1). The forward edge of the elongated blade **12** is beveled to form a cutting edge **14** that extends generally the entire length of the hand survival weapon **10**.

Extending from the rear side of the blade **12** or the edge opposite the cutting edge **14** is a finger receiving portion **16**. Finger receiving portion **16** includes a plurality of openings for receiving the fingers of the hand of the user. More specifically, the plurality of finger openings includes a little finger opening **18**, a ring finger opening **20**, a middle finger opening **22**, and a forefinger opening **24**.

As seen in the drawings, the ring finger opening **20** and middle finger opening **22** are slightly spaced closer to the blade **12** or cutting edge **14** than the little finger opening **18** and the forefinger opening **24**. In fact, as illustrated in the drawings, it is seen that this particular spacing arrangement results in the center points of the various finger openings lying generally on an arcuate path AP. This particular arrangement of the finger openings **18, 20, 22** and **24** allow the hand weapon **10** to be more comfortably held and also allows the same to conform to the shape of the hand and particularly the position of the fingers.

Extending fron the finger receiving portion **16** on the side opposite the blade **12** is a palm rest **26**, the palm rest being aligned with the finger receiving portion **16** and the blade **12** to form a generally co-planar structure. Viewing the palm rest **26** in greater detail, it is seen that such basically comprises a single piece member **28***a* extending from outer portions of the finger receiving portion **16** with the single piece member being spaced rearwardly of the finger openings **18, 20, 22** and **24** and thusly defining an opening **28** therebetween.

To utilize the hand weapon **10** of the present invention, the respective fingers of the user's hand are inserted through the appropriate openings **18, 20, 22** and **24** of the finger receiving portion **16**. The entire hand weapon **10** is moved laterally along the fingers to where the finger portion **16** extends between the user's knuckles and the middle joints of the fingers, as illustrated in FIG. **3**. Once the hand weapon **10** is positioned in this position, the end portions of the fingers are wrapped back toward the palm and engage the palm rest, pushing the same tightly adjacent the palm. In this position, the hand weapon **10** is securely held in the hand and will not tend to drop or be separated thereform under normal circumstances.

Also, it is seen that the palm rest **26** engages the palm of the user's hand and in the case of a blow being struck with the hand weapon **10**, the shock associated therewith is transferred to the palm of the hand by the palm

rest **26** and particularly the single piece rearmost member **26***a*.

Therefore, from the foregoing, it is apparent that the present invention presents a hand weapon **10** that is effective in combat, self-defense and other survival situations. Moreover, the design of the hand weapon **10** is such that the gripping thereof inherently results in a grip that makes it quite difficult for the hand weapon to be separated from the user. Also, a further advantage of the hand weapon **10** of the present invention lies in the fact that in a combat or self-defense situation, the weapon is an integral part of the fist and follows the path thereof as the arms are swung or punched at an aggressor.

The terms "upper," "lower," "forward," "rearward," etc., have been used herein merely for the convenience of the foregoing specification and in the appended claims to describe the survival hand weapon and its parts as oriented in the drawings. It is to be understood, however, that these terms are in no way limiting to the invention since the survival hand weapon may obviously be disposed in many different positions when in actual use.

The present invention, of course, may be carried out in other specific ways than those herein set forth without departing from the spirit and essential characteristics of the invention. The present embodiments are, therefore, to be considered in all respects as illustrative and not restrictive and all changes coming within the meaning and equivalency range are intended to be embraced herein.

What is claimed is:

1. A single piece survival hand weapon comprising: a stiff elongated blade portion having a sharp cutting edge beveled along an edge thereof; a finger receiving portion extending from the edge of said elongated blade opposite said cutting edge and having a plurality of side-by-side disposed integral finger openings formed therein including a little finger opening, a ring finger opening, a middle finger opening and a forefinger opening and wherein said ring and middle finger openings are spaced slightly forward of said little and forefinger openings whereby the respective centers of the finger openings lie in a general arcuate path which enables the hand weapon to be confortably held; and a palm rest means extending from said finger receiving portion and being so configured and so sized so as to be engaged by the palm of the user's hand when said hand weapon is hand held for absorbing the shock of a particular blow and transferring the shock to the palm of the user's hand, said palm rest means comprising a single piece member extending from the little and forefinger openings and spaced rearwardly of said ring and middle finger openings so as to form a relatively large opening therebetween; and wherein said blade, finger receiving portion and palm rest means are integrally constructed and co-planar.

* * * * *