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(54) **EDGED WEAPON WITH SUBSTANCE DISTRIBUTION**

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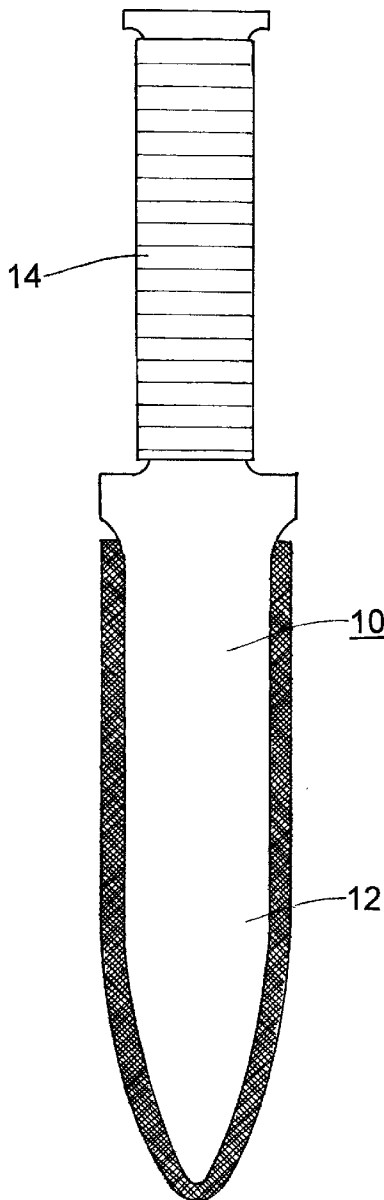
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(57) **ABSTRACT**

A combat arts weapon is disclosed comprising a blade and a handle, preferably in the form of a knife, in which a slot or groove is formed completely around the edge and point of the blade. An ink saturated wick is secured within the groove projecting beyond the edge and point of the blade to provide an indication of contact of the blade with an opponent.

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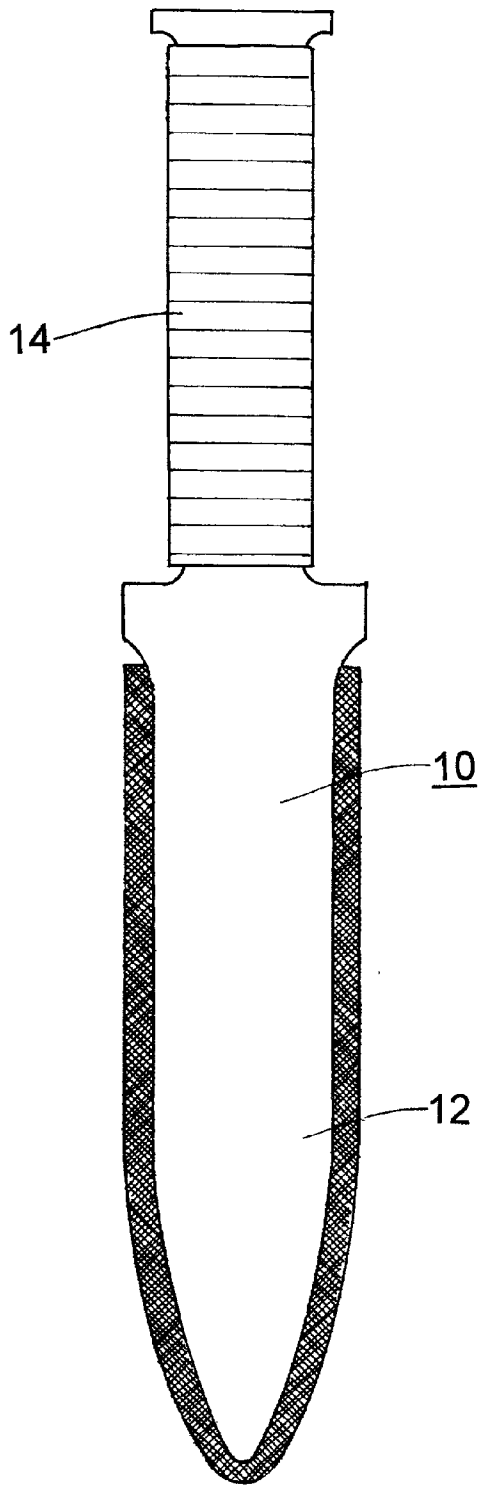


Fig.1

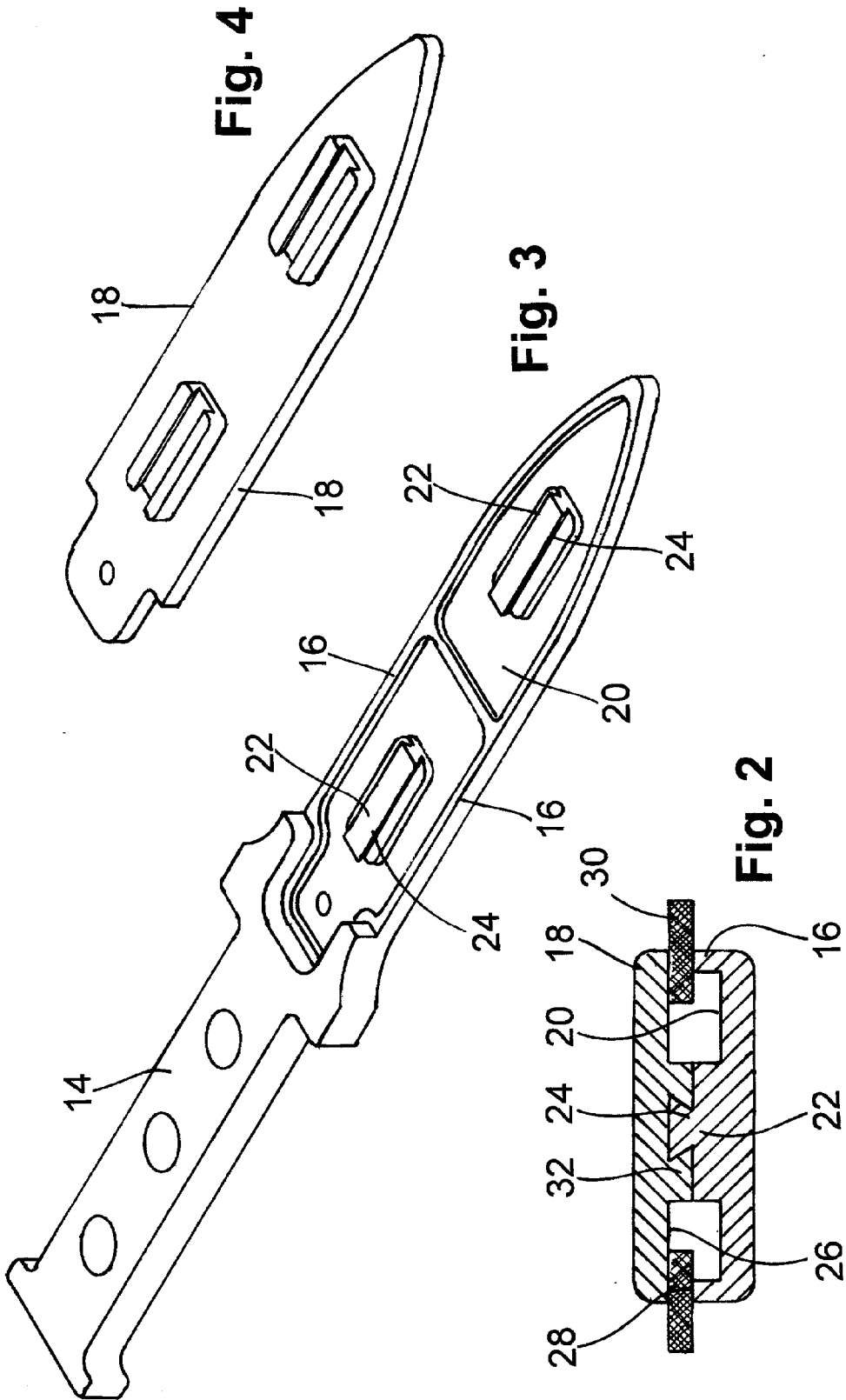


Fig. 5

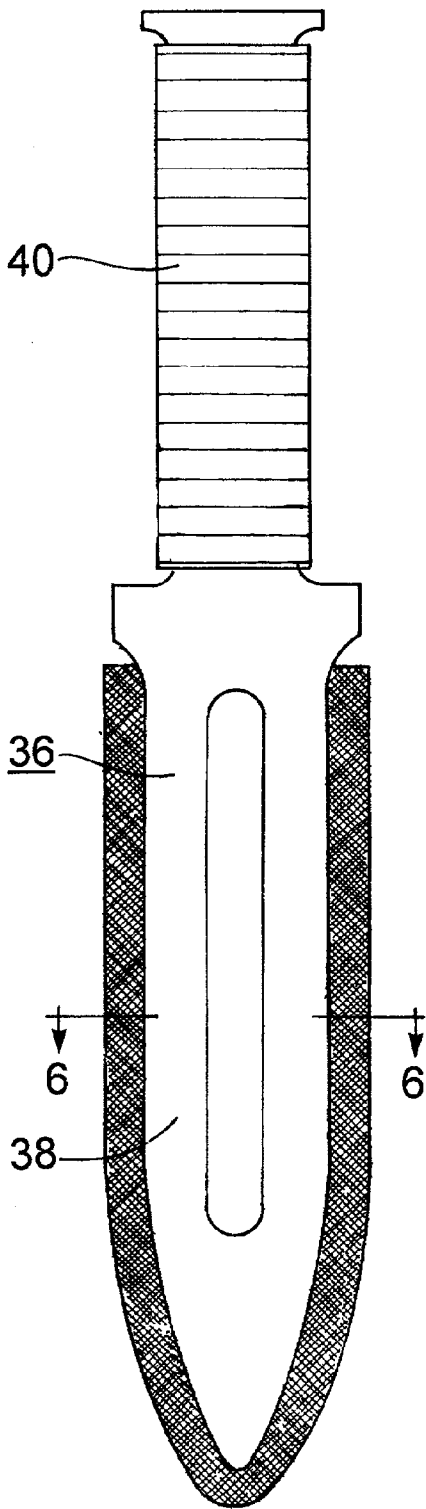
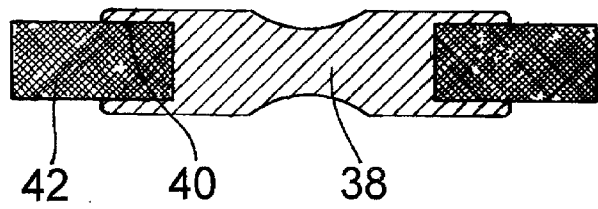


Fig. 6



EDGED WEAPON WITH SUBSTANCE DISTRIBUTION

FIELD OF THE INVENTION

[0001] The present invention relates to combat arts and particularly to offensive and defensive weapons such as knives and swords that can be used in combat arts teaching programs, practice, demonstrations and tournaments, and to simulated knife fighting.

BACKGROUND OF THE INVENTION

[0002] Combat arts training, practice, demonstrations and tournaments has become extremely popular in the past few years. This includes training with weapons such as knives and swords. The weapons must be non-lethal and not have a sharp point or cutting edge. It is also desirable that the weapon leave an indication of contact with the opponent. The weapon should also have the heft and feel of the real product. It is understood that training such as this has also been used to some extent in the military services. To date, no such training weapon exists and, when required to leave an indication of a touch on an opponent, the practice weapon was a Magic Marker.

[0003] With the foregoing in mind, a principal object of the present invention is to provide a novel combat arts training weapon such as a knife which will not cut a person and will leave an indication, such as an ink dot or line that shows where and how an opponent has been touched.

[0004] A further object of the present invention is to provide a training weapon with the above characteristics that has the heft and feel of an actual weapon.

[0005] These and other objects of the present invention and the various features and details thereof will become apparent from the following description of the invention.

BRIEF DESCRIPTION OF THE INVENTION

[0006] The present invention discloses a combat arts training weapon including a blade and handle or haft. The blade has a rounded or flat edge and point with a slot completely around the edge of the blade. An ink transfer material is positioned in the slot extending beyond the edge of the blade and the point and is saturated with a marking material such as ink. In one form of the invention, the blade is in two halves that slide together and form an ink reservoir to supply ink to the ink transfer material. In another form of the inventions the blade is in one piece with a deep slot and no separate ink reservoir.

BRIEF DESCRIPTION OF THE DRAWINGS

[0007] FIG. 1 is a side elevational view of one embodiment of the present invention.

[0008] FIG. 2 is a cross section of the blade taken on line 2-2 of FIG. 1.

[0009] FIG. 3 is a plan view of one half of the blade of FIG. 1.

[0010] FIG. 4 is a plan view of the other half of the blade.

[0011] FIG. 5 is a side elevational view of a further embodiment of the present invention.

[0012] FIG. 6 is a cross section of the blade of FIG. 5 taken on line 6-6 of FIG. 5.

DETAILED DESCRIPTION OF THE INVENTION

[0013] FIGS. 1 to 4 of the drawings illustrate a preferred form of the present invention. In this embodiment the combat arts weapon is a knife 10 having a blade 12 and handle or haft 14. The blade is in two sections 16 and 18 with the section 16 having the handle 14 formed integral with it. The blade section 16 has a recessed area 20 which serves as an ink reservoir. Within the recess, there are a pair of spaced apart raised bosses or pads 22, 22 extending longitudinally of the blade section 16, with each boss 22 having a narrow longitudinal mitered extension 24 projecting upwardly from it.

[0014] The blade section 18 has a flat lower surface 26 spaced from the blade section 16 when locked in position forming a slot 28 extending entirely around the blade 12. Within this slot is a wick 30 projecting beyond the edge of the blade and into the ink reservoir 20. The wick 30 also extends outwardly beyond the periphery of the blade edge for the entire extent of the blade 14. The wick 30 which serves as the ink transfer material may be formed of any porous material such as felt or sponge.

[0015] To lock the two blade sections together, a pair of spaced apart raised bosses 32, 32 are provided extending longitudinally of the blade section lower surface 26, each of which are provided with a recess 34 having inwardly extending mitered edges which engage over the mitered edges of the mitered edges of the extension 24 of blade section 16. The raised bosses 22, 22 on the blade section 16 and the raised bosses 32, 32 on the blade section 18 are equally spaced longitudinally of their respective blade sections and when the blade sections are assembled overlie one another. The spacing between the raised bosses 22,22 on blade section 16 is greater than the longitudinal extent of the bosses 32, 32 of blade section 18.

[0016] To assemble the two blade sections ink or an ink pad is first placed in the reservoir 20, and the wick 30 is positioned about the edge of the lower knife section 16. The upper knife section 18 is then placed over the lower section 16 with the rearward boss 32 intermediate the bosses 22, 22 of knife section 16. The knife section 18 is then slid longitudinally relative to the lower section 16 toward the handle 14 until it completely overlies the knife section 16. A locking screw 34 extending through one knife section and threaded into the other section will lock the two sections together until it becomes necessary to replenish the ink supply.

[0017] A modified form of the invention is shown in FIGS. 5 and 6. In this form a knife 36 having a blade 38 and handle 40 is formed as a single unit. The edges of the blade 38 and point of the blade are blunted or rounded so as not to injure or cut a person. A relatively wide and deep slot 40 is provided completely about the edge of the blade 38 into which a wick 42 is secured. The wick is saturated with ink and the width and depth of the slot serve as a reservoir for the ink. This provides a weapon similar to that of the first embodiment.

[0018] While particular embodiments of the invention have been illustrated and described herein, it is not intended

to limit the invention to such description and changes and modifications may be incorporated therein within the scope of the following claims.

I claim:

1. An edged weapon for use in combat arts comprising a blade and a handle;

said blade having a blunted edge completely about its periphery,

a slot formed in the periphery of said blade, and

a wick positioned within said slot, said wick being saturated with a marking ink.

2. An edged weapon for use in combat arts in accordance with claim 1 wherein said blade has upper and lower sections, one of said sections being integral with the handle; and

locking means to removably secure said blade sections together.

3. An edged weapon for use in combat arts in accordance with claim 2 including an ink reservoir intermediate said blade sections, and said wick adapted to receive ink from said reservoir.

4. An edged weapon in accordance with claim 1 wherein said wick is a porous material to receive and transfer ink.

5. An edged weapon in accordance with claim 2 wherein said locking means include interengaging bosses on each blade section.

6. An edged weapon in accordance with claim 5 wherein said bosses have mitered sections adapted to be placed adjacent to each other and engage one another when one blade section is slid axially relative to the other to overlie the other blade section.

7. An edged weapon for use in combat arts in accordance with claim 6 including means to secure said blade section in said overlying position.

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