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TOY SWORD

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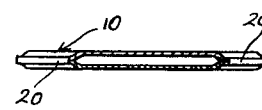
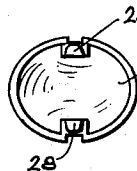
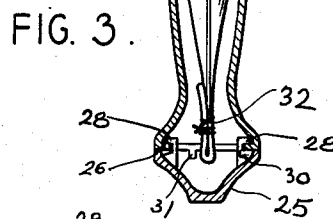
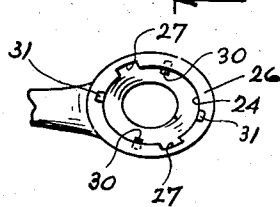
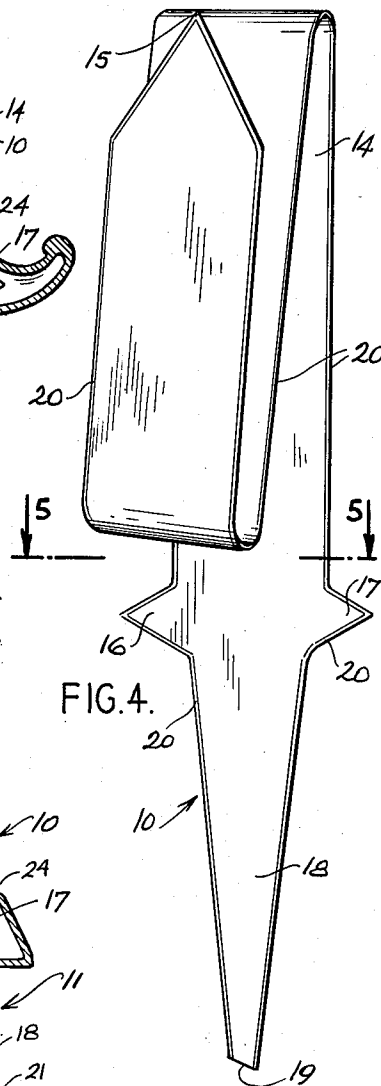
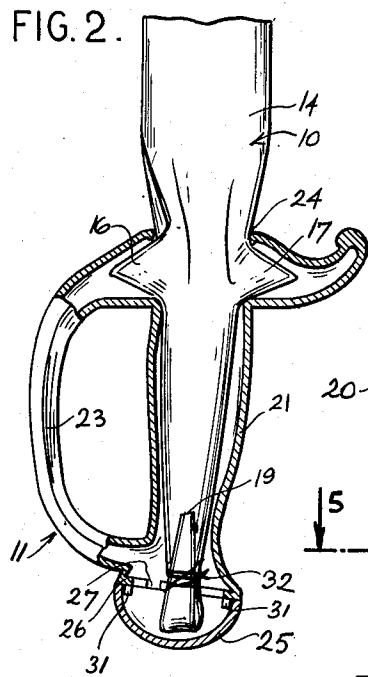
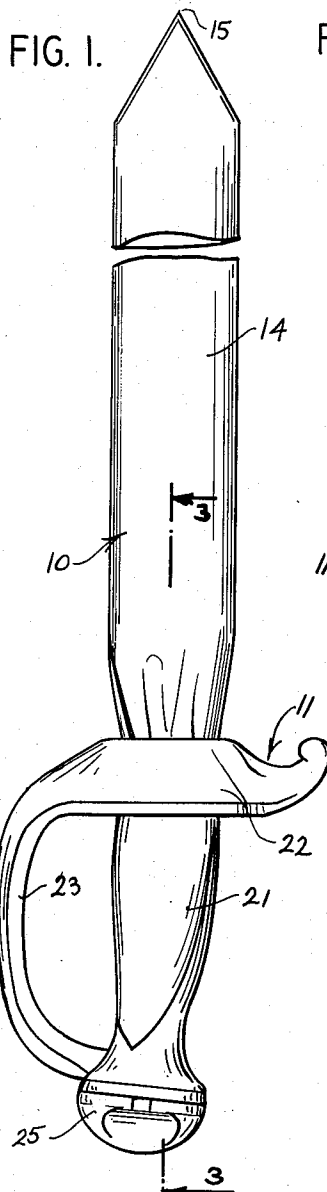


FIG. 5.

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TOY SWORD

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7 Claims. (Cl. 46-88)

1 My invention relates to improvements in toys and has particular relation to a toy sword.

An object of the invention is the provision of a toy sword having a soft, inflated blade portion, so that the sword may be used in sham fighting and other games by children without the danger of injury.

A further object of the invention is the provision of a toy sword of the character described in which the blade portion and hilt are so constructed as to afford an effective attachment of these portions by the mere act of inflating the blade, so that the toy is economically manufactured and assembled, and also so that the blade may be easily replaced if punctured or otherwise damaged.

A further object of the invention is the provision of a toy sword of the character described in which the inflatable blade portion enables the sword to be packed, shipped and distributed with the blade collapsed, thereby providing economy of space in shipping and distribution.

Additional objects and advantages of the invention will be apparent in the course of the following specification when taken in connection with the accompanying drawings, in which:

Fig. 1 is a side elevation showing the toy sword fully assembled and the blade portion inflated, with the blade portion partially broken away for convenience of illustration;

Fig. 2 is a central vertical section of the lower portion of the sword shown in Fig. 1;

Fig. 3 is a section taken along line 3-3 of Fig. 1;

Fig. 4 is an elevational view of the blade portion of the sword in collapsed position, this portion being folded for convenience of illustration;

Fig. 5 is a section taken along line 5-5 of Fig. 4.

Fig. 6 is a plan view of the top of the sword hilt with the closure member removed; and

Fig. 7 is a bottom plan view of the closure member removed from the hilt.

The toy sword may be of any desired size and shape, the drawings herein showing, by way of example, a simulated saber or cutlass having a straight blade.

The sword has a blade portion 10, and a hilt designated generally by the reference numeral 11. The blade portion 10 is hollow and tubular, having a blade member 14 of substantially uniform width, terminating in a pointed end 15. At the top end of the blade member 12 are a pair of opposed triangularly-shaped wings 16 and 17 which project outwardly from the respective longitudinal edges of blade portion 10, so that their apices are directed in opposite directions.

2 Located above and integral with said wings 16 and 17 is an inflating member 18 which is of lesser width at its base than the width of the blade member 14. Said inflating member 18 may be tapered toward its terminal end 19 as shown.

The blade portion 10 may be made of any suitable soft, resilient material such as rubber or the like, although I prefer to make it of a soft bendable plastic such as a vinyl resin. In the preferred fabrication of plastic, the blade portion may be made of two identical strips of plastic material cut in the shape shown in Fig. 4, and heat sealed together along their entire peripheries as indicated at 20, except at the terminal end 19 of inflating member 18.

The hilt 11 is preferably moulded from a hard, rigid plastic, and is provided with a hollow tubular grip 21, one end of which communicates with a hollow plate or cross-guard 22. The hilt 11 may optionally be provided with a guard 23.

The bottom surface of plate or cross-guard 22 has an elliptical opening 24 which registers with the bottom open end of grip 21, as shown in Figs. 2 and 3. The top end of the grip 21 is also open and is adapted to removably receive and hold a closure member 25 which is in the form of a sword pommel. For this purpose the top open end of grip 21 is provided with an in-turned peripheral flange 26 which contains a pair of diametrically-opposed slots 27. The closure member 25 has a corresponding pair of integral diametrically-opposed lugs 28 of substantial U-shape as shown in Fig. 3, and located inwardly of the peripheral edge of said closure member in a position to fit within the slots 27. When the closure member 25 is to be locked in position upon the open end of grip 21, the closure member is placed upon the grip 21 with the lugs 28 located within the respective slots 27 and the peripheral edge-surface of the closure member 25 resting flush upon the flange 26. When the closure member 25 is then turned in a clockwise direction relative to the hilt 11, the lugs 28 are slid beneath the flange 26, so that the closure member 25 is locked upon the top open end of grip 21. A pair of stop members 30 are located beneath the flange 26 and are spaced respectively in a clockwise direction from the slots 27 to limit the turning movement of the closure member 25 to a position in which it is in exact registry with the open end of grip 21. When the closure member 25 is brought to its locked position, the ends of the lugs 28 press against the under surface of the flange 26, to hold the closure member frictionally in position. To further aid in the locking of said closure member, the flange 26 is provided

3

with a pair of upstanding lugs 31 spaced evenly between the slots 27, which prevent the locked closure member 25 from moving laterally.

In the assembly of the sword, the closure cap 25 is removed and the collapsed blade portion 10 inserted within the hilt 11 by inserting the inflating member 18 into the opening 24 and through the hollow grip 21 until the end of inflating member 18 projects beyond the open end of grip 21. In this connection, it should be noted that the inflating member 18 has a length which is greater than the length of the grip 21 plus the width of plate 22. The blade portion 10 is then pulled further within the hilt 11 until the wings 16 and 17 are fully located within the hollow interior of the plate or cross-guard 22. The blade portion 10 may then be inflated through the end opening 19 in inflating member 18, and the end of said inflating member folded over upon itself and closed by an elastic or cord 32, as shown in Figs. 2 and 3.

When the blade portion 10 is inflated, the wing members assume an expanded pyramidal shape within the recess of plate 22, thus acting to anchor the blade portion 10 to the hilt 11. In addition, the cross-sectional area of the blade member 14 extending through the opening 24 is normally greater than the area of said opening 24, so that the outward pressure of this portion above and below said opening 24 tends to hold the blade member 10 securely in its inserted position.

The sword is intended to be shipped and sold with the blade in collapsed position so that the user may assemble it and inflate the blade portion for use. Should the blade portion become punctured or otherwise damaged, it is only necessary for the user to replace it with a new blade portion which may be assembled and inflated in the manner previously described.

While a preferred embodiment of the invention has been shown and described herein, it is obvious that numerous additions, changes and omissions may be made in the invention without departing from the spirit and scope thereof.

I claim:

1. A toy sword comprising a hilt and a blade portion adapted to be secured to said hilt, said blade portion being hollow and made from a soft, bendable, and resilient material and being sealed along its entire periphery except at its top end to render it inflatable, said blade portion having a pair of integral wings projecting from opposite longitudinal edges thereof and located intermediate its ends, said wings also being hollow and communicating with the hollow interior of said blade portion, said hilt having a through longitudinal bore and transversely-extending recesses communicating with said bore and sized to receive the wings of said blade portion, said blade portion in collapsed condition being sized for insertion through said bore with its top open end projecting from said hilt for inflation of said blade portion and with said wings in registry with said hilt recesses, said wings being of sufficient size in inflated condition to be snugly received within the recesses of said hilt, to hold the end of said blade portion in said hilt when said blade portion is inflated.

2. A toy sword comprising a hilt and a blade portion adapted to be secured to said hilt, said blade portion being hollow and made from a soft, bendable, and resilient material, and being sealed along its entire periphery except at its top end to render it inflatable, said blade por-

4

tion having a pair of integral wings projecting from opposite longitudinal edges thereof and located adjacent its open top end, said wings also being hollow and communicating with the hollow interior of said blade portion, said hilt having a through longitudinal bore and a pair of transversely-extending recesses located on opposite sides thereof, said bore being sized to permit the uninflated blade portion to be drawn through said bore to an assembled position in which the top open end projects from said bore and said wings are respectively located in said transverse recesses, said wings being of sufficient size to be snugly received within said transverse recesses when said blade portion is inflated through its top open end, thereby securing said blade portion to said hilt.

3. A toy sword comprising a rigid hilt and a collapsible blade portion adapted to be attached to said hilt, said hilt being made of a rigid material and having a hollow, longitudinally-extending hand grip communicating with a hollow transverse cross-guard, said hand grip having top and bottom open ends, said cross-guard having an opening in registry with the bottom open end of said grip and adapted to receive said blade portion for insertion of the latter in collapsed condition within said grip, said blade portion being made of a soft, resilient material in hollow form and being completely closed except at its top end, said blade portion also having a pair of aligned laterally-extending integral hollow wings adjacent its open top end sized to be received in the hollow interior of said cross-guard when the top open end of the blade portion in collapsed position is inserted in the cross-guard opening and drawn up through said hollow hand grip, the top open end of said blade portion being of sufficient length to project beyond the top open end of said hand grip when said wings are located in said cross-guard whereby said blade portion may be inflated through its top open end, said wings being sized to fill a portion of the hollow interior of said cross-guard when said blade portion is inflated to hold said blade portion secured to said hilt, said blade portion also including a lower blade member having a larger cross-sectional area when inflated than the opening in said cross-guard, said blade member being shaped to simulate a sword blade and being located exteriorly of said hilt in the secured inflated position of said blade portion.

4. A toy sword according to claim 3 in which said hilt has a top closure member releasably secured to the top open end of said grip.

5. A toy sword according to claim 3 in which the top open end of said grip has an intumed peripheral flange having a plurality of spaced openings therein, said hilt also including a top closure member sized to cover the top open end of said grip and having a plurality of depending lugs having laterally-extending terminal-extensions, said lugs being spaced to fit within the respective flange openings when said closure member is placed over the top open end of said cover, said closure member being turnable on said hilt to bring said lug extensions to a locking position in which they are located beneath said flange and spaced from said openings.

6. A toy sword comprising a rigid hilt and a soft, bendable, resilient, and inflatable blade unit adapted to be inserted within and secured to said hilt, said blade unit being entirely hollow and having a simulated blade portion, a pair of integral wings projecting from opposite longitu-

5

dinal edges of said blade portion and communicating therewith at the lower end thereof, and an inflating portion depending from said blade portion and wings and having a terminal air inlet aperture, said hilt having a through longitudinal bore which has a pair of opposed transverse extensions sized to receive said wings, said inflating portion and wings in their collapsed condition being sized to be inserted within the longitudinal bore of said hilt with the wings received within said transverse bore extensions and the air inlet aperture projecting out of said bore for inflation of said blade unit, the wings being sufficiently long in their inflated condition to cooperate with said transverse bore extensions to mount said inflated blade unit on said hilt.

7. A toy sword comprising a rigid hilt and a soft, bendable, resilient, and inflatable blade unit adapted to be inserted within and secured to said hilt, said blade unit being entirely hollow and having a simulated blade portion, a pair of integral wings projecting from opposite longitudinal edges of said blade portion and communicating therewith at the lower end thereof, and an inflating portion depending from said

6

blade portion and wings and having a terminal air inlet aperture, said hilt having a through longitudinal bore which has a pair of opposed transverse extensions sized to receive said wings, said inflating portion and wings in their collapsed condition being sized to be inserted within the longitudinal bore of said hilt with the wings received within said transverse bore extensions and the air inlet aperture projecting out of said bore for inflation of said blade unit, the wings being sufficiently long in their inflated condition to cooperate with said transverse bore extensions to mount said inflated blade unit on said hilt, means to seal said air inlet aperture, and removable means to close off one end of said bore.

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