Jan. 9, 1968 KARL-HEINZ DENEKE 3,362,528

PACKING FOR NEEDLES, HARDWARE OR THE LIKE

Filed March 28, 1966

Fig. 1

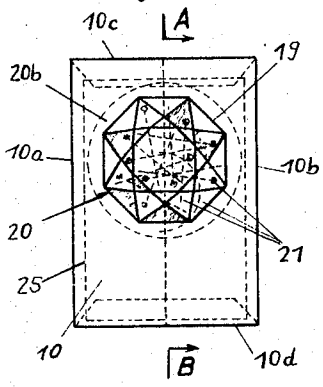


Fig. 2

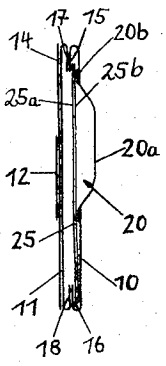


Fig. 3

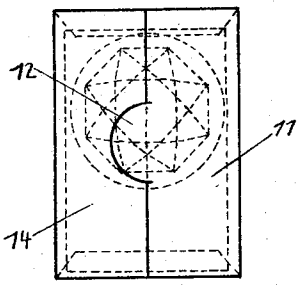


Fig. 4

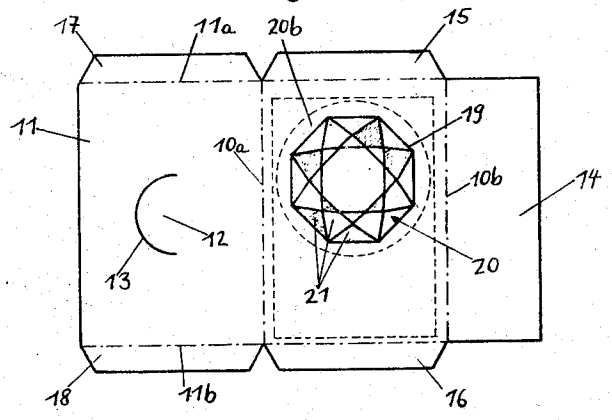


Fig. 5

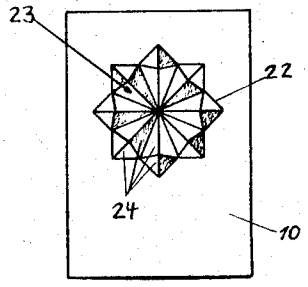
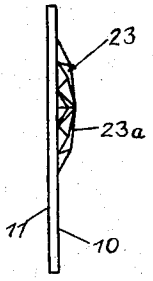


Fig. 6



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PACKING FOR NEEDLES, HARDWARE OR THE LIKE

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5 Claims. (Cl. 206—45.31)

ABSTRACT OF THE DISCLOSURE

A package for needles having a folded paper body construction with a plastic bubble formed of a plurality of connected flat surfaces covering an opening in the body to allow viewing of needles retained within the package.

This invention relates to a packing for needles, hardware or the like, which is formed as a folder or is of card-shaped form, and has a front wall with an opening in which is a transparent shell projecting from the front wall, and behind it a sealing flap attached to the front wall.

Such a packing is shown in which the transparent shell is of parallelepiped-shaped or spherical cap-shaped form. Goods to be sold are enclosed by the shell and held in it by the sealing flap. Owing to the transparency of the shell the goods are open to inspection by the customer.

An object of the invention is to improve the known packing, so as to produce a packing which attracts the attention of the customer to a greater extent, which has a more attractive appearance, and by which the goods to be sold are better packed.

According to the invention a packing of the type in question is characterised primarily in that the part of the shell which projects from the front wall is bounded by a number of surfaces which lie at angles to one another. By arranging the projecting part of the shell in this way, light reflections and refractions are produced which give a special light effect which on the one hand attracts the attention of the customer and on the other hand looks attractive. If the goods to be sold are of bright metal, e.g. needles, then this effect is enhanced.

According to a feature of the invention the boundary surfaces of the projecting shell part may be of a figurative form and arrangement, and the opening of the front wall of the figure formed by the projecting shell part may be correspondingly formed. This gives special light effects. Further, the packing, owing to the figure formed by the projecting shell part, has an attractive and characteristic appearance.

According to one constructional form, the opening of the front wall is in the form of an equal-sided octagon and the shape and arrangement of the boundary surfaces of the projecting shell part correspond to the surface of a ground diamond. Another constructional form of the invention provides for the opening in the front wall being of star-like form and the boundary surfaces of the projecting shell part are of star-like form and arrangement. It is however possible, in accordance with the invention to have packings with numerous other figures formed by the opening of the front wall and also by the boundary surfaces of their projecting shell parts.

According to another feature of the invention, the front side of the sealing flap turned towards the shell is shiny preferably being covered with shining metal foil. The metal foil may be coloured. By the shining arrangement of the front side of the sealing flap, light effects of the packing due to light reflections are increased still further. On the other hand the use of a coloured shining metal foil also increases the possibilities of obtaining particular colour effects.

Finally, with the packing according to the invention it may also be provided that both the rear side of the front wall and the front side of the sealing flap have an adhesive substance in the region surrounding the opening of the front wall. Goods in the shell of the packing can thus be securely sealed in. The adhesive substance also permits repeated opening and re-sealing of the shell opening by means of the sealing flap.

Two constructional examples of the packing of the invention will now be described with reference to the accompanying drawings, in which:

FIGURE 1 is a front elevation of a first example;

FIGURE 2 is a longitudinal section on line A—B of FIGURE 1;

FIGURE 3 is a rear elevation;

FIGURE 4 is an elevation showing the packing opened out;

FIGURE 5 is a front elevation of a second example; and

FIGURE 6 is a side elevation of the second example.

Both examples have a rectangular front wall **10** of stiff paper. In addition they have a rear wall **11**, also of stiff paper, which walls are connected and fold at the longitudinal edge **10***a*. The rear wall **11** has a tongue **12**, formed by a cut-out **13**. The packing also has an attachment strip **14** of stiff paper. This is connected with the longitudinal edge **10***b* so as to fold over, and can be pushed under the tongue **12** to close the package. At the upper edge **10***c* and also at the lower edge **10***d* of the front wall there are attached edge strips **15**, **16**, which can be folded rearwardly. Corresponding edge strips **17**, **18** are attached to the upper edge **11***a* and also the lower edge **11***b* of the rear wall **11**.

With the packing according to FIGURES 1 to 4 the front wall **10** has an opening **19** in the form of an equal-sided octagon. A shell **10** of transparent plastic material is arranged in this opening **19**. The arrangement of the shell **20** is such that its bulge **20***a* projects forward beyond the front wall **10** (see FIGURE 2) and it is attached at its edge **20***b* to the rear of the front wall **10**. The bulge **20***a* includes a number of surfaces **21** at angles to one another. The arrangement and dimensions of these surfaces **21** are such that the bulge **20***a* has the form of the surface of a ground diamond.

In the example of the packing according to FIGURES 5 and 6, the front wall **10** has an opening **22** in the form of a star. In this opening **22** is arranged a shell **23** of plastics material with a bulge **23***a* projecting beyond the front wall **10** and with its edge attached to the rear side of the front wall **10**. The bulge **23***a* is also bounded by a number of surfaces **24** at angles to one another. The bounding surfaces **24** of the bulge **23** are of star-like form.

In these two examples of the packing there is attached to the rear side of the front wall **10***a* sealing flap **25** which, when the packing is closed, covers the shell **20** or **23** from the rear. The flap **25** is formed of a sheet **25***a* of stiff paper, provided on its front side with a shining, coloured metal foil **25***b*.

Both the rear side of the front wall **10** and also the front side of the sealing flap **25** are provided with an adhesive substance in the region surrounding the opening **19** or **22**. Because of this there is the possibility of combining the sealing flap **25** with the rear side of the front wall **10** by adhesion, and thus of producing a reliable sealing of the shell **20** or **23**. The shell **20** or **23** can also be opened, if required, by freeing the sealing flap **25** at its front side partially from the rear side of the front wall **10**.

What I claim is:

1. A package for needles comprising a sheet of stiff paper having a front wall and a rear wall connected by a fold line along a first longitudinal edge, a tongue formed in the rear wall by a cut-out, an attachment strip connected along a fold line on a second longitudinal edge of said front wall, upper and lower edge strips respectively attached by fold lines to said front and rear walls at respective upper and lower edges thereof, an opening in said front wall, a transparent plastic member having a dome-shaped shell extending forwardly through said opening and consisting of a plurality of angularly connected flat surfaces arranged about the center of said opening and a sealing flap mounted behind said transparent plastic member and having a reflective foil coating facing said plastic member so that the foil coating and the flat surfaces of the plastic shell mutually cooperate with the contents of the package to reflect light in a pleasing attention attracting manner.

2. The package of claim 1 wherein said shell is of a star-like form.

3. The package of claim 2 wherein said opening is of star-like form.

4. The package of claim 1 wherein said shell is of octagonal peripheral form.

5. The package of claim 4 wherein the octagonal periphery of said shell is formed of eight sides of equal length.

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