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PAINT BRUSH WRAPPER

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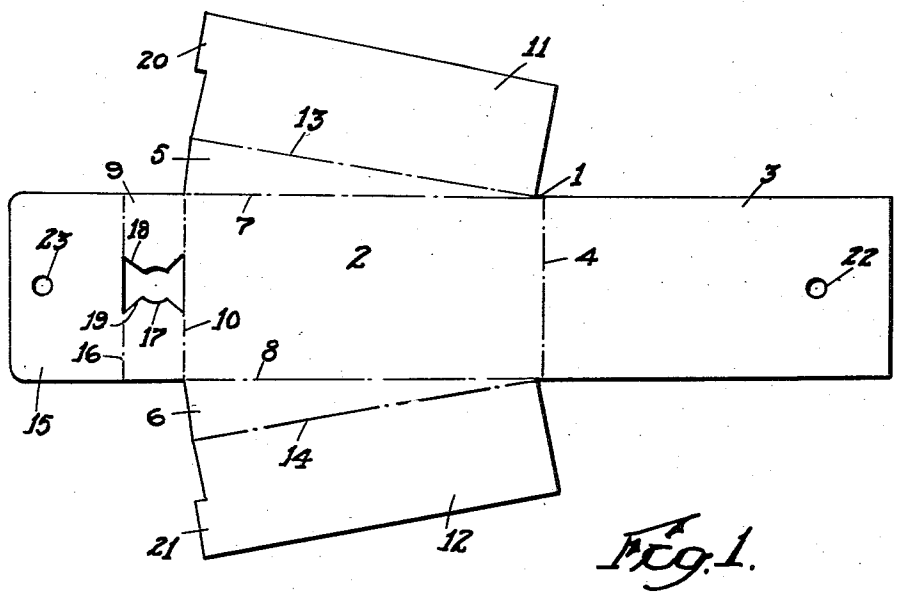


Fig. 1.

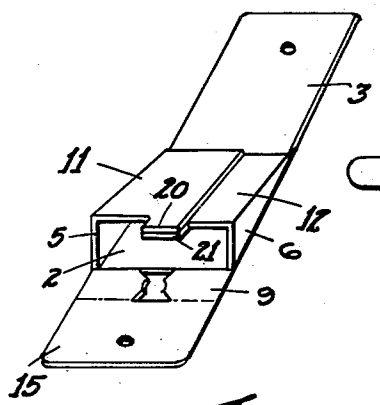


Fig. 2.

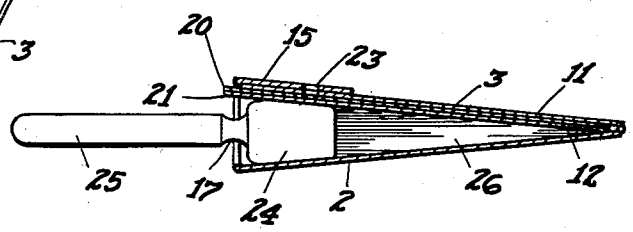


Fig. 3.

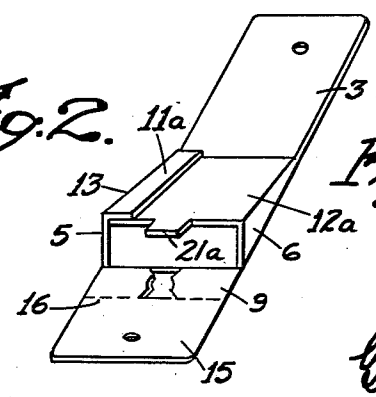


Fig. 4.

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PAINT BRUSH WRAPPER

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4 Claims. (Cl. 206—15.1)

This invention relates to an improved wrapper for paint brushes, and in particular to a wrapper which, after being erected in generally wedge-shaped form about the bristles and ferrule of a paint brush, will retain its shape, and resist collapse.

Paint brush wrappers of the type described herein serve to protect a brush's bristles and ferrule during handling, storage, shipment, or display; also, these wrappers are frequently employed by painters or other purchasers for covering the brush, after it has been used, to retain the bristles in proper shape during periods of non-use. It is common practice to cut these brush wrappers in specially shaped flat blank form, from heavy paper, cardboard, or the like; each such blank being appropriately scored, to define the lines of fold between the front, rear, side and top panel portions of the wedge-shaped container that is erected, about the brush's bristles and ferrule, in the use of such a wrapper. Heretofore, many such brush wrappers as so erected, have been subject to collapse, and to loss of shape.

Therefore, it is a principal object of this invention to provide a brush wrapper of the type referred to above in which the wedge-shaped container erected therefrom is relatively rigid and unyielding, so as to retain its shape, and resist collapse.

It is a further object of this invention to provide a brush wrapper of the type referred to above in which the wing flaps, forming part of the container's front wall, are interlocked with the top panel when the wrapper is erected about the brush's bristles and ferrule.

Other and further objects and advantageous features of my invention will hereinafter more fully appear in connection with a detailed description of the drawings in which

Fig. 1 is a plan view of the flat scored blank which provides the novel brush wrapper of my invention.

Fig. 2 is a perspective view of my brush wrapper in a partly erected condition.

Fig. 3 is a longitudinal sectional view, showing the relation between my novel wrapper and a brush with which it is employed.

Fig. 4 is a view similar to Fig. 2 showing a slightly different form of my invention.

Referring to the drawings in detail, Fig. 1 shows a flat blank 1 of heavy paper, cardboard, or the like, having a central rectangular panel 2 which provides the rear wall of the wedge-shaped container. The container's front wall is formed in part by a rectangular panel 3, substantially coextensive with panel 2, and which connects with the central panel 2 along score line 4. A pair of triangular side panels 5 and 6 connect with the central panel 2 along score lines 7 and 8, respectively. Top panel 9 connects with the central panel 2 along score line 10. Each side panel 5 or 6 is in the shape of a long isosceles triangle with the short side adjacent the top panel 9. The apex of each triangle is adjacent the score line 4.

In addition to the five panels described above, which

are adapted when erected to provide a wedge-shaped configuration, the side panels 5 and 6 are provided with extensions in the form of wing flaps 11 and 12 which are connected with the side panels along score lines 13 and 14, respectively. These wing flaps, which are substantially rectangular except as described below, will underlie the panel 3 when the blank of Fig. 1, by appropriate folding of its several panels on their score lines, is erected into the wedge-shaped brush container shown in Figs. 2 and 3. The top panel 9 is also provided with an extension 15 which connects with the top panel along score line 16.

Top panel 9 is suitably apertured, midway of its length, as shown at 17, for free passage therethrough of the brush's handle 25 (see Fig. 3). This handle aperture of top panel 9, for the reception of a relatively wide brush handle, preferably extends as shown across the panel's full width, from score line 10 to score line 16. In any event, said handle aperture does extend transversely as far as the score line 16, the latter being intersected by opposite aperture edges 18, 19, that are in sharply divergent relation, such as to give the aperture its maximum dimension, lengthwise of the panel, along said score line 16. For insertion in this widest part of the handle aperture 17, the upper edges of wing flaps 11 and 12 are provided with tabs 20 and 21 respectively, each of substantially the same width as this maximum dimension of the handle aperture, along the score line 16. The tabs 20 and 21 come into exact registry with one another for this insertion, as shown in Fig. 2, only when the respective triangular side panels 5 and 6 of their wing flaps 11 and 12 stand at right angles to the central panel 2.

Because the handle opening, from score line 16 has side edges 18 and 19 which are inwardly converging, the projections 20 and 21 will be held securely within this opening. This interlocking feature between the top panel and the wing flaps gives to the wrapper, as erected about the ferrule 24 and bristles 26 of the paint brush (see Fig. 3), a wedge-shaped formation which is practically non-collapsible; this results from the fact that with the wing flaps so locked, the side panels will always be held in a rigid upright position.

Fig. 2 shows my wrapper in a partly erected condition. The side panels 5 and 6 are turned up, to stand at right angles to the main panel 2, and the wing flaps 11 and 12 are folded in overlapping relation such that their projections 20 and 21 are in exact registry, in readiness to interlock, as above described, with the handle aperture of top panel 9, when the latter is folded over, as shown in Fig. 3, to enclose a paint brush. The latter's ferrule 24 has its handle 25 projecting through the top panel's opening 17 and a bristle portion 26 fitting into the wedge-shaped pocket of the wrapper, as erected about said brush. The wrapper elements are retained in erected position about the brush by suitable fastener devices secured respectively to the panel 3 and the extension 15 of the top panel 9. To this end, said parts (panel 3 and extension 15) are provided with apertures 22 and 23 respectively, for receiving corresponding male and female elements of a suitable snap fastener, not shown.

In the preferred form of my invention shown in Figs. 1, 2 and 3, each of the wing flaps 11 and 12 has an individual projection 20 or 21. Actually, however, it is necessary to provide only one wing flap with such a projection, providing that this wing flap is the innermost one and that it extends across the full width of the wrapper. Such an arrangement is shown by Fig. 4, wherein side panel 6 has a wing flap 12*a* extending to the fold line 13 between side panel 5 and its narrower wing flap 11*a*; thus the single tab or projection 21*a* on wing flap 12*a* serves, by its entry into the handle aperture of top panel 9, to prevent the inward collapse of both of the

side panels 5 and 6 of the erected wrapper. Other changes apart from those described herein may be made within the spirit of my invention.

I claim:

1. A one-piece paint brush wrapper comprising a main panel adapted to overlie one face of a brush, a pair of triangular side panels tapering inwardly from the top to the bottom thereof and foldably connected to the side edges of said main panel, a pair of substantially rectangular wing flaps extending from the edges of said side panels and adapted to be folded in overlapping relation against the face of said brush opposite from said one face, a front panel extending from the lower edge of said main panel and adapted to be folded against said wing flaps so as to form with said main panel and said side panels a substantially wedge-shaped container, a top panel extending from the upper edge of said main panel, an extension flap connected with said top panel and adapted to be folded against the upper portion of said front panel, an upwardly extending tab on the upper edge of each wing flap, an opening in said top panel adjacent said extension flap for receiving said tabs so as to prevent inward movement of said wing flaps, and means for fastening said extension flap to said front panel.

2. A single integral blank for a paint brush wrapper comprising a main panel adapted to lie against one face of a brush, a pair of triangular side panels tapering inwardly from the tops to the bottoms thereof and foldably connected to the side edges of said main panel, a pair of substantially rectangular wing flaps extending from the edges of said side panels and adapted to be folded inwardly in overlapping relation against the face of said brush opposite from said one face, the innermost one of said wing flaps being of substantially the same width as said main panel, a front panel extending from the lower edge of said main panel and adapted to be folded against said wing flaps so as to form with said main panel and said side panels a substantially wedge-shaped container, a top panel extending from the upper edge of said main panel and adapted to be folded over the open end of the so-formed, wedge-shaped container, an extension flap connected with said top panel and adapted to be folded against the upper portion of said front panel, an upwardly extending projection on the upper edge of the innermost of said wing flaps, an opening in said top panel adjacent said extension flap for receiving said projection so as to prevent inward movement of said wing flaps, and means for fastening said extension flap to said front panel.

3. A one-piece paint brush wrapper comprising a main panel adapted to overlie one face of a brush, a pair of triangular side panels tapering inwardly from the top to the bottom thereof and foldably connected to the side edges of said main panel, a pair of substantially rectangular wing flaps extending from the edges of said side panels and adapted to be folded in overlapping relation against the face of said brush opposite from said one face, a front panel extending from the lower edge of said main panel and adapted to be folded against said wing flaps so as to form with said main panel and said side panels a substantially wedge-shaped container, a top panel extending from the upper edge of said main panel, and apertured substantially centrally for free passage therethrough of the handle of the brush, an extension flap connected with said top panel and adapted to be folded against the upper portion of said front panel, an upwardly extending tab on the upper edge of at least one of said wing flaps, for entry into said handle aperture of the top panel, to prevent inward collapse of said side panels, and means for fastening said extension flap to said front panel.

4. A paint brush wrapper as claimed in claim 3, in which the top panel's handle aperture has opposite edges convergent inwardly from the line of fold between said top panel and its extension flap, thereby serving to anchor the inserted wing flap tab substantially in the plane of said line of fold.

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