

May 15, 1951

L. R. SCHUMANN
BRUSH PACKAGING

2,552,741

Filed Sept. 17, 1947

Fig. 1.

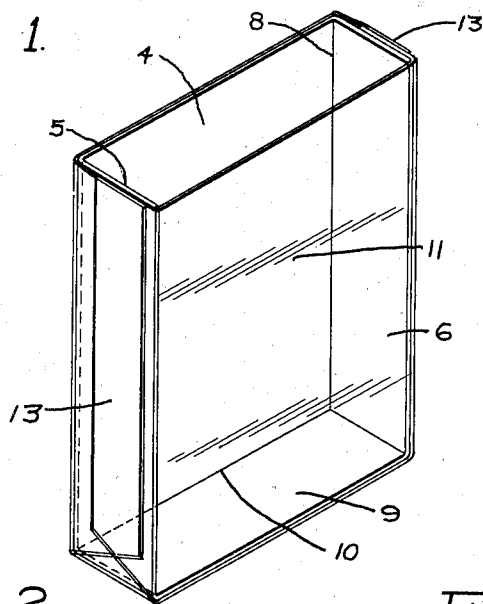


Fig. 2.

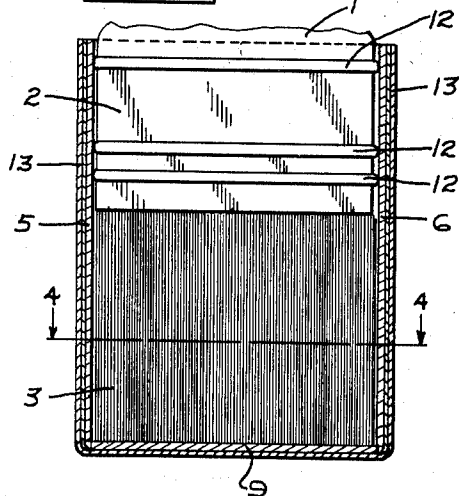


Fig. 3.

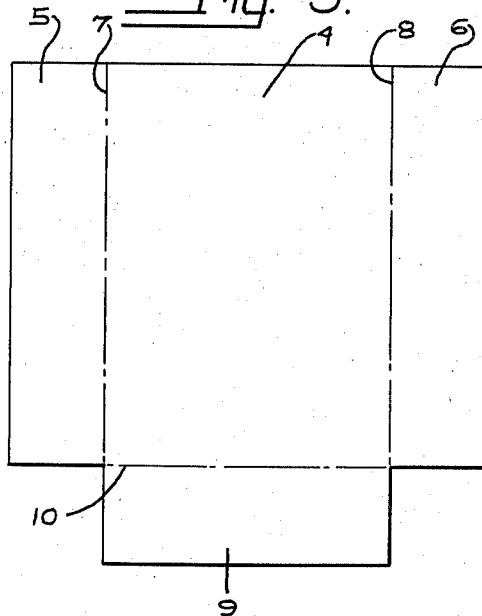
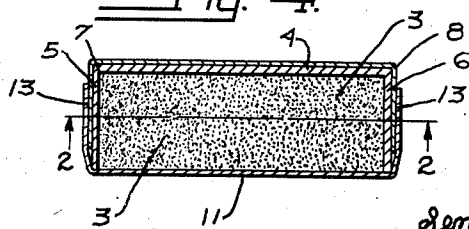


Fig. 4.



INVENTOR
LAWRENCE R. SCHUMANN
BY
Semmes, Keegin, Robinson + Semmes
ATTORNEYS

UNITED STATES PATENT OFFICE

2,552,741

BRUSH PACKAGING

Lawrence R. Schumann, Boston, Mass.

Application September 17, 1947, Serial No. 774,504

2 Claims. (Cl. 206—45.33)

1

This invention relates to a package for the bristles of a brush and more particularly to a transparent case to be used with a brush for display purposes.

When brushes are displayed for sale or other purposes, it is necessary to cover the bristles to protect them from dust and dirt. At the same time, it is desirable to have the bristles visible so that prospective purchasers or others may see them without removing the covers. Certain prior brush containers have been constructed of transparent material, but these containers are made of paper or other thin material which is not rigid. Therefore, these containers do not prevent the bristles from becoming crooked and twisted if the brush is inspected, especially if it is rested on the ends of the bristles during this inspection. Also, wrappers made of such pliable materials are without form and therefore fit closely to the bristles and tend to fall in at the tip of the wrapper in such a manner as to compress the ends of the bristles. This action has a harmful effect on the shape of the brush.

One object of this invention is to provide a transparent brush package which supports and maintains the bristles in proper shape.

Another object is to provide a brush package of simple and inexpensive construction which shields the bristles from dust and dirt, protects the bristles from twisting and deformation and yet is transparent so as to display the brush effectively.

Other objects will appear from the following description, read in connection with the accompanying drawings, in which:

Figure 1 is a perspective view of one embodiment of a brush package made in accordance with the present invention.

Figure 2 is a vertical sectional view of the package shown in perspective in Figure 1, along the line 2—2 of Figure 4, showing the bristles and ferrule of a brush in place in the package.

Figure 3 is a plan view of the framework of the package before it is folded into a shape for enclosing the brush.

Figure 4 is a horizontal sectional view on the line 4—4 of Figure 2.

Like reference characters refer to like parts throughout the several figures of the drawing.

In the drawing, the handle of a brush which may be of oval, oblong or flat shape is indicated by the numeral 1. The handle 1 is broken off in the drawing at the shoulder, to which is secured a ferrule or ring 2 for holding in place the bristles 3. These bristles 3 may be of any suitable type of

2

hair or of any other suitable material and may be secured to the brush by any appropriate means, as by vulcanizing their ends in rubber.

The brush package itself has a reinforcing frame including a plate 4, which is preferably of cardboard, pasteboard or any other appropriate inexpensive, stiff material. The plate 4 has attached thereto, and preferably integral therewith, side wings 5 and 6 adapted to be folded along the lines 7 and 8. The plate 4 also has an end wing 9 adapted to be folded along the line 10. The wings 5, 6 and 9 are preferably of the same material as the plate 4. The width of the plate 4 between the fold lines 7 and 8 is made sufficient to extend across the width of a brush to be enclosed thereby.

In forming the package, a brush may be placed upon the plate 4 and the wings 5, 6 and 9 can then be folded at right angles to the plate 4 along the lines 7, 8 and 10. If desired, the ends of the end wing 9 may be secured to the adjacent ends of the side wings 5 and 6 by means of tape or in any other suitable fashion. A sheet of transparent material 11 may now be wrapped about the plate 4, the wings 5, 6 and 9, and about the ferrule 2 and bristle bundle 3 enclosed therein. This transparent material 11 may be cellophane or any other transparent cellulose or plastic, waxed paper, or other desired material.

The transparent material 11 may be folded tightly about the framework so as to hold the framework closely against the ribs 12 of the ferrule so as to provide a snug fitting. The envelope formed by the material 11 is open at its upper end to receive the ferrule 2 of the brush. The folded edges 13 of the material 11 may be secured together by any suitable means such as heat welding, cementing, gluing, or by any other appropriate method. The material 11 is held in a distended position by the tension of the side wings 5 and 6 along their fold lines 7 and 8, where the cardboard or other material of the frame tends to open the side wings outwardly to flatten the frame.

In use, a brush is inserted in the package when it is desired to place the brush on display or for other reasons it is desired to have the brush visible while at the same time providing protection for the bristles from dust and dirt. The package is maintained in position on the brush by the frictional contact of the lining 4 and its side wings 5 and 6 with the ribs or ridges 12 of ferrule 2 of the brush. The package, because of the support provided by the lining, protects the bristles from becoming twisted, mashed or otherwise

deformed and the transparent cover 11 protects the bristles from dust, dirt, moisture or other matter which might collect on the bristles and cause either physical deterioration to them or make their appearance unsightly.

The package is of simple construction, is easily manufactured and employs only a small amount of materials, so that it is inexpensive.

While the foregoing describes a package for a conventional paint brush in which the bristles are set into a ferrule attached to the brush handle, it is obvious that the invention is also adaptable to other types of brushes which do not include a ferrule such as brushes in which the bristles are set directly into the handle. It will be obvious, too, that the transparent material 11 may also envelop the entire handle if desired without departing from the spirit of the invention.

I claim:

1. A package comprising a paint brush having bristles extending from one end of a handle, a blank of cardboard or the like having a base panel, a side wing integral with the base panel along each side thereof, an end wing at one end of the base panel integral therewith, a crease line at the junctions of the side wings and end wing with the base panel whereby the wings may be turned up to a position substantially perpendicular to the base panel to form a channel closed at one end, said brush positioned on the blank with the bristles adjacent the base panel and the end of the bristles adjacent the end wing, and a flexible transparent sheet overlying the blank and wrapped tightly over the bristle end of the brush handle and the blank to hold the side wings against the brush handle at the bristle end to close the package and the end wing in an upright position to protect the ends of the bristles

whereby the bristles are displayed through the transparent wrapper on one side and rigidly supported on the other.

2. A package comprising a paint brush having bristles extending from one end of a handle, a blank of cardboard or the like having a base panel, a side wing integral with the base panel along each side thereof, an end wing at one end of the base panel integral therewith, a crease line at the junctions of the side wings and end wing with the base panel whereby the wings may be turned up to a position substantially perpendicular to the base panel to form a channel closed at one end, said side wings and end wings having the same width to form side and end walls of the package of the same depth, said paint brush positioned with the bristles adjacent the base panel and the ends of the bristles adjacent the end wing, and a flexible transparent sheet overlying the blank and wrapped tightly over the brush and blank to hold the side wings against the brush handle at the bristle end to close the package and the end wing in an upright position to protect the ends of the bristles whereby the bristles are displayed through the transparent wrapper on one side and rigidly supported on the other.

LAWRENCE R. SCHUMANN.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,612,887	Saunders	Jan. 4, 1927
1,923,452	Neumiller	Aug. 22, 1933
1,990,533	Eiseman	Feb. 12, 1935
2,119,709	Henn	June 7, 1938
2,216,543	Schumann	Oct. 1, 1940