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O. W. GREENE, JR

2,689,645

HEADED PIN PACKAGE AND METHOD OF FORMING THE SAME

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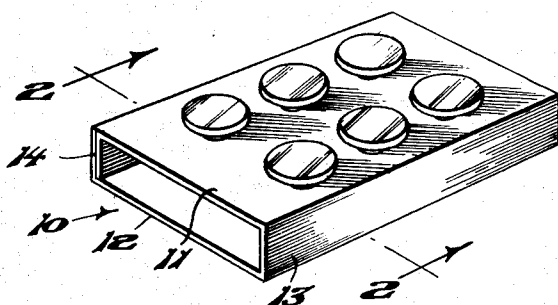


Fig. 1.

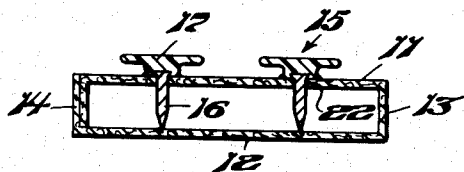


Fig. 2.

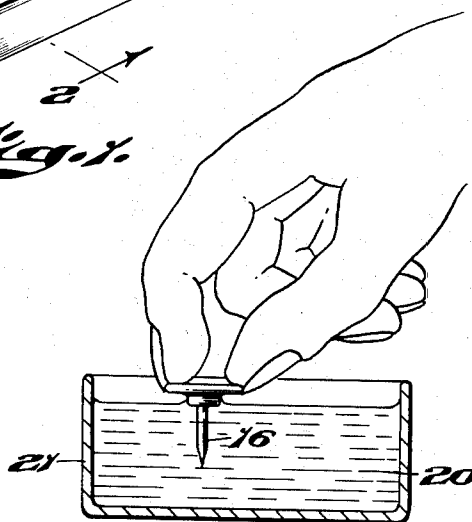


Fig. 3.

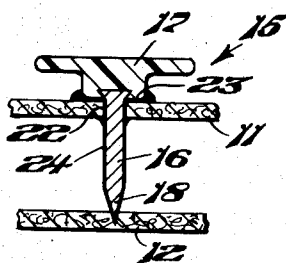


Fig. 4.

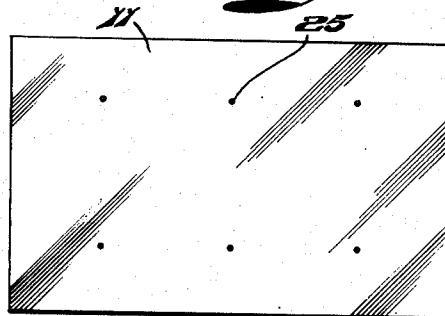


Fig. 5.

INVENTOR.

Oliver W. Greene, Jr.

BY

Barlow & Barlow
Attorneys

UNITED STATES PATENT OFFICE

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HEADED PIN PACKAGE AND METHOD OF FORMING THE SAME

Oliver W. Greene, Jr., Wakefield, R. I., assignor,
by mesne assignments, to Greene Plastics Corporation

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2 Claims. (Cl. 206—66)

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This invention relates to a package for headed pins such as are used for curtain tie backs and the method of forming such package.

Usually a package of headed pins of the character used for curtain tie backs is provided by passing the pins through a cardboard and into a wooden block in back of the sheet to hold the pins in place. In order for a prospective purchaser to see the pins, it is necessary to withdraw the pin from the block of wood in order to inspect the same. After the pin has been withdrawn from the block of wood several times, the pin ceases to hold well in the wood. The wood absorbs moisture readily and an iron pin becomes rusty if kept for any length of time in moistened wood.

One of the objects of this invention is to provide a package which will be much lighter than a package heretofore provided.

Another object of this invention is to provide a package in which the buyer may view the shank of the pin which he is purchasing without the necessity of withdrawing the head and pin from the package.

Another object of this invention is to provide an arrangement by which an iron pin will not become rusty due to the presence of moisture in locations where it is stored.

Another object of this invention is to provide a package which will be exceedingly inexpensive and one which may be very easily assembled.

Another object of this invention is to provide a unit which is very attractive in assembly and one which may be decorated easily.

With these and other objects in view, the invention consists of novel features of construction, as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawings:

Figure 1 is a perspective view of a package constructed in accordance with this invention;

Figure 2 is a section on line 2—2 of Figure 1;

Figure 3 is a sectional view illustrating one of the steps in the preparation of the package;

Figure 4 is an enlarged sectional view of one of the pins in its relation to the package and showing the adhesive coating associated therewith; and

Figure 5 is a plan view of the top of the package before the pins are inserted.

In proceeding with this invention, I form a sleeve of cardboard with spaced top and bottom members which may be used for printed matter or decoration and assemble the headed pins for curtain tie backs therewith by first dipping the

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shank of the pin in a plastic adhesive material and then penetrating the upper surface of the sheet of the sleeve with this coated pin shank. Some of the adhesive is left as a protecting film on the shank, while the remainder is gathered under the head and serves to adhere the head to the sheet stock material and hold the same in position.

With reference to the drawings, 10 designates generally a sleeve of cardboard formed of sheet stock, there being a top member 11, bottom member 12 with sides 13 and 14 to hold the top and bottom in spaced relation. The sleeve is readily formed from cardboard by scoring and folding with the side wall 14 formed of a double thickness where one part overlaps the other, the plies being secured together by some adhesive to hold the sleeve in the arrangement shown in Figure 1.

The articles to be packaged by means of this sleeve are here shown as curtain tie backs designated generally 15 and comprising a metal shank 16 and a non-metallic head 17 which is molded about this shank 16 and may take any desired ornamental form, which I have not illustrated. These curtain tie backs are used by pressing them into the window casing through a strap about the curtain to hold the curtain in place and are consequently formed with a pointed or sharp end 18 which it is desired should be protected in any packaging.

To assemble these pins in package form, I first dip the shank into a liquid bath 20 shown in a container 21 in Figure 3, this bath being a plastic cement and then withdraw the pin from the bath and force it through the top member 11 at a marked location 25 to form a hole 22 in the top wall 11 of this package. The cement is in a runny condition at the time of this insertion and a large portion of the cement will be forced up beneath the inner surface 23 of the head 17, while a thin coating 24 will extend along the shank of the pin 16. This pin is in close proximity to the bottom wall 12 and in fact in many cases will just insert itself slightly into this bottom wall.

The package thus provided is left to dry and the cement hardens to hold the head onto the top wall 11 and to coat the shank of the pin so as to provide a sufficient protection against rusting. If the package is thereafter stored in a damp place, no harm comes to the pin shanks as all of the parts which might rust are protected by this film of plastic coating, while this coating serves as an adhesive to hold the articles in place.

I claim:

1. A package of headed pins comprising a sheet

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material generally rectangular open ended member having oppositely disposed walls, each pin having a shank penetrating one of said walls to project therethrough toward the opposite wall, said walls being spaced from each other a distance slightly less than the portion of said shank projecting through said wall for the pointed end of said shank to be inserted a slight distance into said opposite wall, each of said pins having a head with its under surface in close proximity to the outer surface of the said one of said walls, and an adhesive film on the under side of said head and covering said shank to hold said pins in place and protect said shank.

2. The method of forming a package of headed pins which comprises forming a sheet of sheet material into a generally rectangular form having open ends and walls spaced from each other a distance slightly less than the length of the shank of the pins to be packaged and providing spaced marks on one of said walls, dipping the pins in a cement and then causing the shank of

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said pins to penetrate through the said wall at said marks while said cement is still in a flow stage to cause the surplus of the cement adhering to said shank to be scraped thereof by the edge wall of the opening through which said shank penetrates to build up on the under side of said head to secure the pin in place and leaving a film of said cement on said shank to protect it.

References Cited in the file of this patent

UNITED STATES PATENTS

Number	Name	Date
187,094	Breare	Feb. 6, 1877
1,226,150	Warren	May 15, 1917
1,899,547	Addis	Feb. 28, 1933
2,001,798	Schreiber	May 21, 1935
2,132,296	Hill	Oct. 4, 1938

FOREIGN PATENTS

Number	Country	Date
384,899	Great Britain	Dec. 15, 1932