Jan. 16, 1962 M. L. AMUNDSON 3,017,022

DOOR ASSEMBLY PACKAGING

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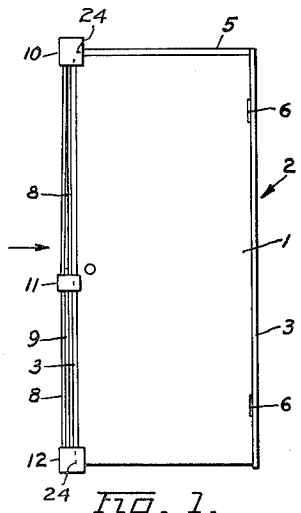


Fig. 1.

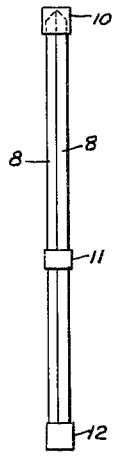


Fig. 2.

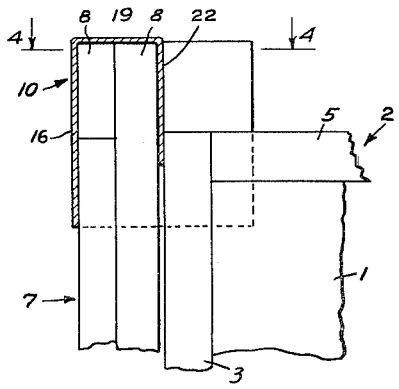


Fig. 3.

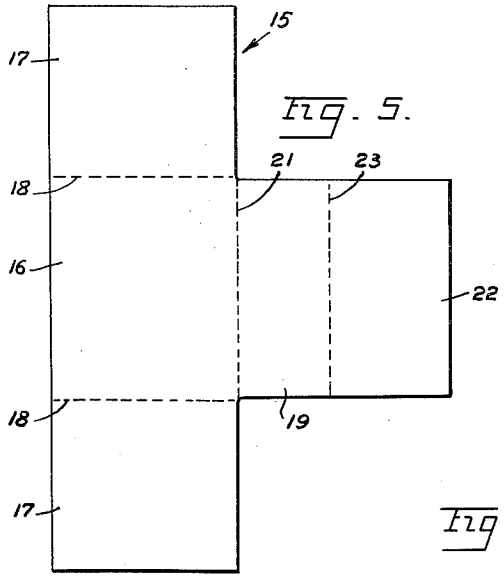


Fig. 5.

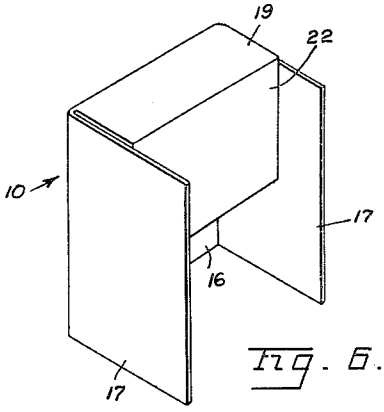


Fig. 6.

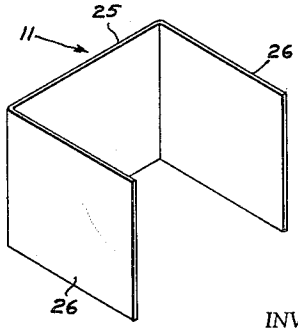


Fig. 7

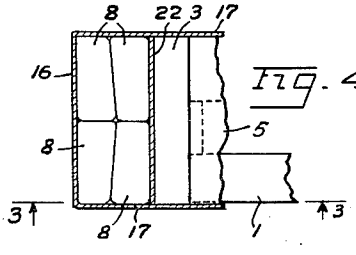


Fig. 4.

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DOOR ASSEMBLY PACKAGING

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This invention relates to a door assembly packaging.

A prefabricated door unit consists of a door surrounded on the top and two sides by a jamb and a set of jamb casing planks. The latter set consists of four long side planks and two head planks for forming two casings: one on the front and the other on the back of the jamb.

The jamb casing set is packed with the door jamb and the door to form a single package for handling and transportation. The package is delivered to a building site, the jamb with the door is installed and the casings are nailed to the jamb on the front and on the back.

The object of this invention is to provide a cheap, simple and efficient packaging for said door unit by means of which said casing set is temporarily united with the door jamb for transportation and handling.

Another object of this invention is to provide a packaging of the class described which protects the ends of the casing planks and securely holds the same against the door jamb side.

Another object of this invention is to provide the packaging of the class described which is easy to secure to and detach from the door jamb.

Other objects and advantages will appear as the specification proceeds and the novel features of the device will be particularly pointed out in the claims hereto annexed.

In this specification and the annexed drawings, the invention is illustrated in the form considered to be the best, but it is understood, that the invention is not limited to such form; and it is also to be understood that in and by the claims following the description, it is desired to cover the invention in whatsoever form it may be embodied.

This invention is illustrated in accompanying drawings forming a part of this specification in which:

FIG. 1 is a front view of the door unit showing the packaging in place.

FIG. 2 is the end view FIG. 1 looking in the directions of the arrow A.

FIG. 3 is an enlarged cross-section taken along the line 3—3 of FIG. 4, some parts being shown in elevation.

FIG. 4 is a sectional view taken along the line 4—4 of FIG. 3.

FIG. 5 is a plain view of a cardboard blank out of which the end packaging unit is folded.

FIG. 6 is a perspective view of the end packaging unit, and

FIG. 7 is a perspective view of the middle packaging unit.

The door unit shown in FIGS. 1–4 consists of a door 1 surrounded by a usual door jamb 2. The latter consists of two side jambs 3, and a head jamb 5, comprising comparatively heavy specially fashioned pieces of wood. The door 1 is hinged to one of the side jambs, as shown at 6.

The lower ends of the side jamb 3 are united by a crocs plank extending from one side jamb to the other under the door 1, or by nails driven through said side jamb 3 into the door.

The door jamb 2 is properly installed in a building wall at a desired place and is secured thereto. Thereupon a jamb casing 7 is nailed on the front and on the back of said door jamb. The jamb casing consists of side planks 8 covering the side jambs 3, and a head plank 9, covering the head jamb 5. As it requires two side and one head planks to cover the front and the same number of said planks the back of one jamb, each door assembly unit includes four side planks and two head planks to form the front and back jamb casings.

Preferably the casing planks are made of the width equal substantially one half of the width of the side jamb 3.

The door assembly is packed as follows: two side planks 8 are placed flat on the outer side of the door jamb side by side. Then two short head planks 9 are placed on the first mentioned side planks, side by side, and thereafter the remaining two side planks 8 placed on said head planks in the same manner as the first planks.

These planks are held on the door side jamb 3 by three packaging brackets 10, 11 and 12, the first and the last of which are arranged to hold the ends of the planks and the middle bracket 11 to press the planks toward the jamb at substantially the middle of said planks.

The end brackets, 10 and 12, are of exactly the same construction and each is formed of a cardboard blank 15. The latter is T-shaped and comprises a back 16 and two sides 17 separated therefrom by crease lines 18, said back and sides forming the horizontal bar of said letter. A top 19 extends from the wide edge of said back 16 and is separated therefrom by a crease line 21. The top 19 carries a flap 22 of its wide side. A crease line 23 divides the top 19 from the flap 22.

The bracket 10 is folded into an open box as shown in FIG. 6, wherein, when used in connection with the door assembly, the back 16 presses against, and holds, the casing side planks against the side jamb 3. The top 19 covers the ends of said planks and the flap 22, extending from said top into the space between said planks and the side jamb 3, is held therein by the pressure of said planks against said side jamb, thus preventing the lateral displacement of said planks. The sides 17 extend from said back 16 at the right angle thereto toward the side jamb 3 and enclose said planks 8 and said jamb, to which said sides are secured by staples 24. The sides 17 prevent the transverse displacement of said planks in relation to the side jamb 3.

The middle bracket 11 is U-shaped and has a back 25 and two sides 26. It is placed on the door assembly at the upper ends of the casing head planks 9, so that its back 25 is against the casing side planks pressing the same toward the side jamb 3. The sides 26 enclose said planks and extend toward and enclose the side jamb 3 to which they are secured by the staples 24.

It follows from the above description that the casing planks 8 are securely attached to the side jamb 3 by the brackets 10 and 12 at the ends and by the bracket 11 substantially at their middle. The latter bracket also prevents the displacement of the upper ends of the casing head planks 9, by pressing the latter against the side jamb 3.

Having thus described my invention, I claim:

1. A packaging assembly for a prefabricated door unit which door includes a door jamb consisting of door side jambs, a head jamb connecting said side jambs on the top, a door hingedly connected to one of said side jambs, and a jamb casing consisting of two head planks and four side planks for covering said head jamb and said side jambs respectively on the front and back thereof, said assembly comprising three brackets, and consisting of top bracket for holding the top ends of said casing side planks against one of the jamb sides and for preventing the lateral and transverse displacement of said planks in relation to said jamb side; a lower bracket for

holding the ends of the casing side and head planks against the lower end of the said jamb side and for preventing the lateral and transverse displacement of said planks in relation to said jamb side; and a middle bracket for pressing the side planks and the other ends of the head planks against the said jamb side substantially at the middle thereof; said end brackets being made of a piece of card board and comprising a back for pressing said jamb casing planks against the jamb side; a top extending from the back over the ends of said planks, a flap integral with the top for insertion between the planks and the jamb and two sides extending from the sides of said back toward the jamb side for securing thereto.

2. A packaging bracket for detachably securing the ends of jamb casing planks to a door jamb, said bracket being folded out of a T-shaped piece of cardboard and comprising a rectangular back and two sides extending from said back to form the upper bar of said T, a top integrally connected to said back and a flap carried by said top, said top and flap forming the vertical bar of said T, said top and sides foldable about the casing planks at a right angle thereto and extending toward the door jamb for securing thereto, said top and flap foldable about the ends of said planks, said flap being adapted to be jammed between said casing planks and the door jamb to prevent the lateral displacement of said planks in relation to said door jamb.

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