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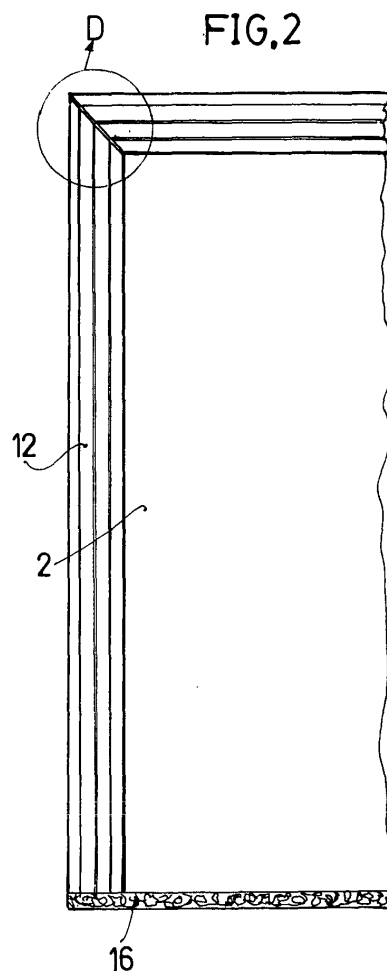
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(54) **Hollow and semisolid block door**

(57) A hollow and semisolid block door, wherein the corresponding hooping (8) and board (2) are framed when that both the hooping and the board are entirely covered with melamine sheet, joined by corresponding headless hinges and with rabbet, and framed by a lower end strip (16), wherein said hooping (8) is made of synthetic pulpwood and covered with a melamine sheet, even the false square shooting, and a smooth rebate or with fixed or removable moldings also covered with melamine.



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## Description

### OBJECT OF THE INVENTION

**[0001]** It comprises a block or factory-assembled door, combining all the elements characteristic of a door for it to be directly mounted on the fitted hooping of the doorway, and which in this case has been integrally manufactured in melamine, in the two market-dominant versions, in both a hollow and semisolid board, with a hollow honeycomb structure in the first case and a packed one in the second case, with the advantage of being able to be manufactured in all colors typical of this type of material, which makes the finishes typical of traditional wood doors and the need for special assembly work for framing frames, boards, iron fittings and the remaining door elements unnecessary.

### BACKGROUND OF THE INVENTION

**[0002]** The ways of manufacturing doors, of the type of the so-called construction site doors which are manufactured in different combinations, especially the traditional solid wood and chipboard doors, are diverse and varied, the manufacture of framed, composite board doors or block doors with plywood boards with different wood finishes becoming established some years ago, being built from traditional structures with different framework combinations and in which well-balanced structures which did not undergo deformations during assembly and which could have a finish of any type, especially color finishes on melamine, were essentially lacking. Therefore, the invention has developed its own, original and advantageous way of construction so as to achieve this type of multiple combinations and finishes.

### DESCRIPTION OF THE INVENTION

**[0003]** The door object of the invention is specially built by means of a framed board with a solid pine hooping in a hollow or half-packed honeycomb core model for a likewise hollow and semisolid model made of melamine and edge-planed in melamine sheet, the hooping or doorframe false square shooting included.

**[0004]** Another detail of the invention is that the rebate of the hooping can be smooth or have moldings, preferably made of synthetic pulpwood and covered with a melamine sheet, with rounded edges.

**[0005]** Another detail is that the rebate or hooping has at depth differently-ended transverse shiplaps on the forward and rear frontal planes. The front one of fixed depth is for fitting the frontal molding flush on different faces, and the rear one for placing the inside molding by hooked jointing at the height required by the fixed hooping of the doorway at the dimensions of 7, 9, 11 or more cm.

**[0006]** Another detail is that said moldings, with the desired decoration, has an L profile with a notching joint

of the appropriate dimensions for fitting flush or calibrating the mounting measurement according to the hooping width.

**[0007]** Another feature of the door is that the thin veneer is smooth and with rounded edges, also made of synthetic pulpwood and covered in melamine. The melamine finishes are made so as to combine the uniformity of the door assembly, naturally in the same color as the rest, even though contrast combinations can be capriciously made.

**[0008]** The block door object of the invention is completed with headless brass hinges and with a rabbet, and the entry doors have long, three-point safety locks and long safety hinges, always according to the overall structure of the door, for advantageously achieving a very competitive quality price ratio in connection with the same products currently available in the market.

**[0009]** A broader idea of the features of the invention will be given now by making reference to the drawing sheets attached to this specification representing, in a somewhat schematic manner and only by way of example, the preferred and vital details of the patent.

### DESCRIPTION OF THE DRAWINGS

#### [0010]

Figure 1 is a vertical sectional view of the block door assembly object of the invention, made up of a corresponding board (2), integrated in a framed hooping (8), with an end strip (16) and mounted on headless hinges (17) and with a rabbet (18). The lock, fastener and other mechanisms it consists of are not represented.

Figure 2 is a partial front elevational view of the door of Figure 1 at 90°, showing the corresponding hollow or semisolid board (2), with a molding (12) on a rebate, and reinforcing strip (16).

Figure 2.1 is a sectional view of detail (D) of Figure 2, with outer (12) and inner (13) molding with direct mounting notching joints.

Figure 3 is a partial rear elevational view at 180° from the foregoing, wherein the mounting of the hinges (17) stands out.

Figure 4 is a side elevational detailed view showing the mounting of the hinges (17), in a rabbet (18), on the doorframe (7) and hooping (8).

Figure 5 is a similar view to Figure 1 of a hooping (8) with molding (12) on rebate (10).

Figure 6 is a sectional view of detail -A- of Figure 1 showing the makeup of the leaf of board (2).

Figure 7 is a sectional view of detail -B- of Figure 1 showing the makeup of the hooping (8).

Figure 8 is a sectional view of Figure 6 showing the makeup of leaves (5 and 6) of board (2).

## PREFERRED EMBODIMENT OF THE INVENTION

[0011] A preferred embodiment of the invention is depicted in the foregoing illustrations contained in Figures 1 to 8 inclusive, wherein the block door object of the invention is made up of the corresponding board (2) and respective hooping (8), made of melamine, which are framed by a corresponding transverse strip (16) and mounted on unfinished hinges (17) and with a rabbet (18), such that the board (2) is framed by a solid pine doorframe (7) and respective inner and outer thin veneers (5 and 6) on an open honeycomb structure (3) for a hollow model and packed (4) for a semisolid model, respectively, and edge-planed on all its edges with a melamine longitudinal lap (19) and the thin veneers (5) and (6) are synthetic pulpwood material sheets covered with melamine (14) with rounded edges (15).

[0012] Also, the hooping (8) is made of synthetic pulpwood material covered with a melamine sheet (9), even the false square shooting (11), such that the rebate (10) may be smooth as shown in Figure 1, or have fixed or removable, front (12) and rear (20) moldings as shown in Figures 2.1 and 5, or in both types, Figure 7.

[0013] With regard to removable and direct mounting moldings (12) and (20) respectively, the hooping (8) has in a transverse direction a forward limited-end shiplap (80) and a rear hooked joint shiplap (81), where the respective notching joint (12a) of the molding (12) fits flush and notching joint (20a) of molding (20) fits with a calibration option for different widths, as references (a), (b) and (c) explain, for their adjustment to hoopings of different width without the need for changing the door-frame nor any construction work requirement.

[0014] The integral joining of both portions, board (2) and hooping (8), forms the block door (1), which will also be provided with a lock and fastener as the conditions of each case allow and suits the requirements of the door (1).

[0015] Once the nature of the invention has been conveniently described, it is to be noted for the appropriate purposes that the invention is not limited to the precise details of this exposition, but on the other hand, the appropriate modifications will be introduced in it providing that the following claims are not altered.

(10) or with fixed or removable moldings (12) and (20) also covered with melamine.

2. A hollow and semisolid block door according to claim 1, wherein said board of the door is **characterized in that** it is built by means of a solid pine framework (2) with an open cellular structure (3) for a hollow door and a packed cellular structure for a semisolid door (4), edge-planed with a longitudinal lap (19) and with thin veneers (5 and 6) made of synthetic pulpwood and covered with melamine (14) with rounded edges (15).
3. A hollow and semisolid block door according to claim 1, wherein said hooping (8) is **characterized in that** it has in a transverse direction forward fixed-end (80) and rear hooked joint (81) shiplaps on its forward and rear frontal faces, where the notching joint (12a) of the forward molding (12) is mounted flush directly and the notching joint (20a) of the inner molding (20) is variably mounted.

## Claims

1. A hollow and semisolid block door, wherein the corresponding hooping and board are framed and joined by convenient iron fittings and is **characterized in that** both the hooping (8) and the board (2) are entirely covered with melamine sheet, joined by corresponding headless hinges (17) and with rabbet (18), and framed by a lower end strip (16), wherein said hooping (8) is made of synthetic pulpwood and covered with a melamine sheet (9), even the false square shooting (11), and a smooth rebate

