Oct. 23, 1945. R. H. HOSE ET AL 2,387,584

CARD AND PICTURE FRAME

Filed Nov. 6, 1942 2 Sheets-Sheet 1

FIG. 1

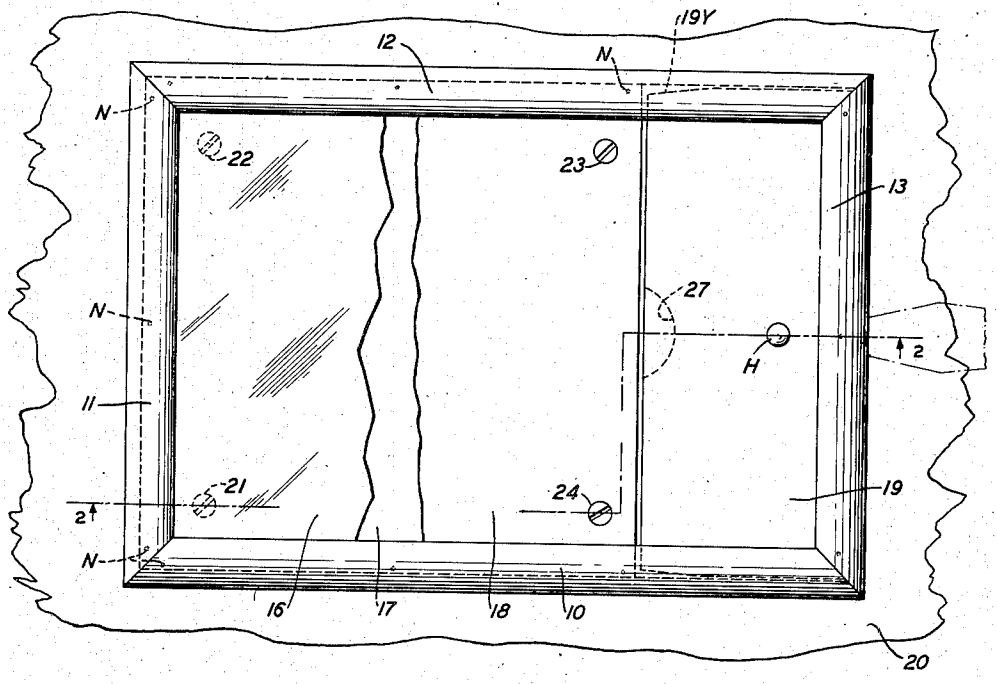


FIG. 2

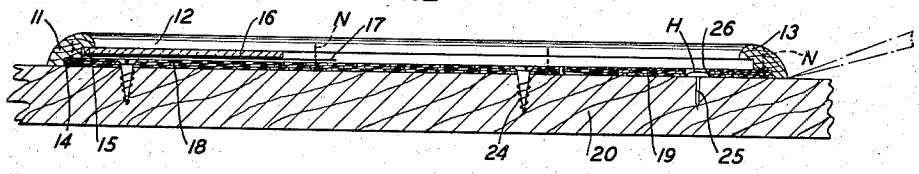
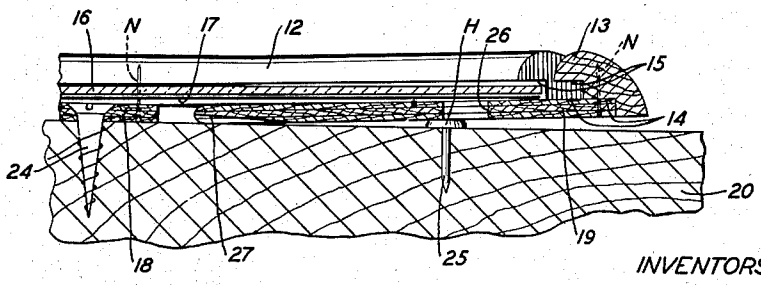


FIG. 3



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Filed Nov. 6, 1942 2 Sheets-Sheet 2

FIG. 5

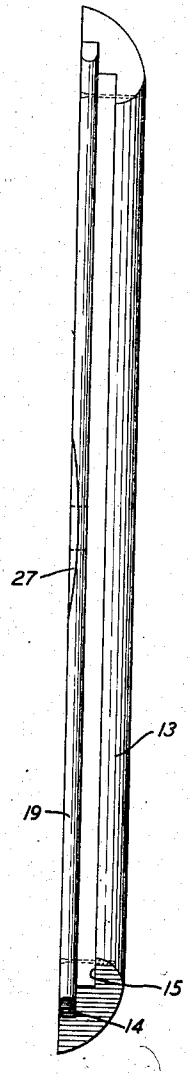
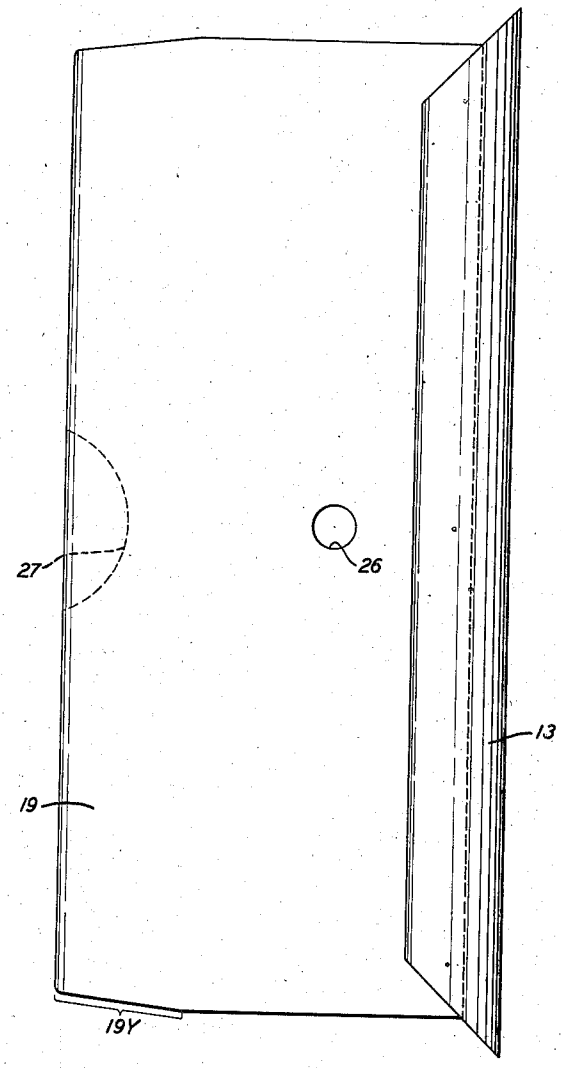


FIG. 4



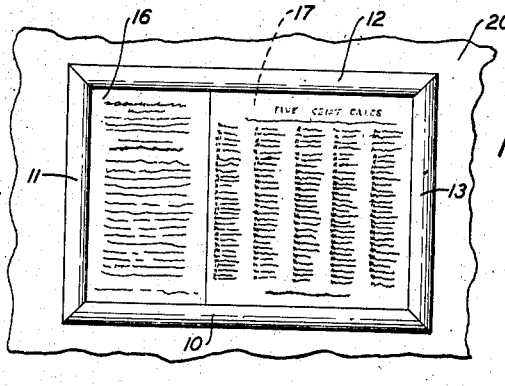


FIG. 6

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UNITED STATES PATENT OFFICE

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CARD AND PICTURE FRAME

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Application November 6, 1942, Serial No. 464,810

2 Claims. (Cl. 40—152)

This invention relates to card and picture frames.

In connection with the use of telephone booths, for example, frames are provided for receiving instruction cards on which are printed telephone exchange names and numbers. These cards are sometimes replaced by other cards bearing other telephone exchange names, numbers and other instructions requiring the removal of the entire frame from its support followed by partly dismantling and reassembling the frame each time an instruction card is replaced by another card.

The object of the invention is the provision of a card frame of the type above referred to which will be simple in construction, efficient in use and which will permit the removal and insertion of cards without dismantling or the removal of the main portion of the frame from its support.

According to the present invention, a card and picture frame is provided in which one of the molding strips which forms a complemental element of the card frame, cooperates with a section of a two-part plate serving as a backing for the card to form an assembly, which is removable from the main frame assembly without removing the latter from its mounting or support. Means is formed with the removable plate section to facilitate the insertion of the latter in a guide formed by the frame support and a number of cooperating molding strips in position, wherein, a latching mechanism in the form of means carried by such a support cooperates with means carried by the removable frame unit for locking and holding in assembled relation the removable frame unit and the part of the frame secured to the support.

Other novel features and advantages of the invention will appear from the following description and by the claims appended thereto, reference being had to the accompanying drawings, in which:

Fig. 1 is a front assembly view of the card frame shown with the glass plate, the instruction card, and the frame support with portions cut away;

Fig. 2 is a longitudinal sectional view taken on line 2—2 of Fig. 1;

Fig. 3 is a partial view shown in longitudinal section showing the removable section of the card frame unlocked from its cooperative locking element in the card frame support;

Fig. 4 is a plan view of the removable section of the card frame, enlarged;

Fig. 5 is a left-hand view of the removable card frame section shown in Fig. 4 showing a camming element formed with the plate to facilitate the assembly of this section with its complemental section secured to the frame support; and

Fig. 6 is a front assembly view of the card frame reduced showing its support with portions broken away.

As shown in Figs. 1 and 6 of the drawings, the card frame of the invention consists of four molding elements 10, 11, 12 and 13 which may be of such a length and shape to form a frame of any geometrical figure desired.

The molding elements 10, 11, 12 and 13 are formed along their length with two shoulder portions 14 and 15 best seen in Figs. 2, 3 and 5, the shoulder portions 15 serving to locate or hold a glass plate 16 and an instruction card 17 in adjusted position in the frame, while in the space formed by the shoulder portion 14 of moldings 10, 11 and 12 is secured as by a plurality of nails N or by gluing or both, a plywood plate section 18 which in cooperation with a plywood plate section 19, to be hereinafter described in detail, forms a backing for the instruction card 17 and the glass plate 16.

The plate section 18 as shown in Figs. 1, 2 and 3 is secured to a mounting board or support 20 by a number of screws 21, 22, 23 and 24. Support 20 in cooperation with the shoulder portions 14 in molding elements 10 and 12, forms a guide for receiving the plywood plate section 19 which is secured to the molding element 13.

The mounting board 20 is provided with a latch element in the form of a nail 25 having its head H of a diameter corresponding to the diameter of an opening 26 in the backing plywood plate section 19 for engaging such opening upon the insertion of this plate in the guide thus formed at this end of the frame by support 20 and the molding elements 10 and 12, so as to hold the molding element 13 in assembled relation with the moldings 10, 11 and 12 while assisting in holding the glass plate and the instruction card in adjusted position in the frame, the insertion of the backing plate section 19 being facilitated by tapered portions 19Y formed at the opposite sides of this plate as shown in Figs. 1 and 4, while a wedge or camming portion such as 27 formed at the edge of the plate section 19 as shown in Figs. 1, 3, 4 and 5 is provided to cause the molding elements 10 and 12 to flex at their free end portions in a direction away from or perpendicular to the mounting board 20 when this wedge engages the head H of nail 25. The tensioning of the molding elements 10 and

12 furnish a detent action when the opening 26 in plate 19 registers with the head of the nail 25 to engage and lock the removable plate section 19 to the mounting plate or support 20, the engagement of opening 26 with the head of nail 25 occurring when the opposite ends of the molding 13 engage in end-to-end abutting relation with the molding elements 10 and 12 themselves nailed to the plate section 18.

The removal of plywood plate 19 and molding element 13 carried thereby, as for the removal or insertion of an instruction card 17, is best effected by inserting a wedging tool such as a screw driver between the supporting board 20 and the molding plywood plate section assembly 13—19 at a point nearest the latch elements H—26 as indicated in dotted line in Figs. 1 and 2 of the drawings to flex the molding elements 10 and 12 sufficiently so as to permit disengaging the plate section 19 from the head H of nail 25 as shown in Fig. 3 and exerting a pulling force on the molding element 13. The placing of the molding plywood plate unit 13—19 in position is effected by placing the plywood element in the guide formed by the board 20 and the projecting ends of molding elements 10 and 12, the wedge or camming portion 27 formed in the plywood plate 19 causing the molding strips 10 and 12 and to some extent the plywood plate 19 to flex sufficiently relative to the plane surface of support 20 due to the distance of screws 23 and 24 from the ends of the frame moldings 10 and 12 to permit the reengagement of the opening 26 in plywood plate 19 with the head H of nail 25 thus holding the board support 20, the molding strips 10, 11, 12 and 13 and the plate sections 18 and 19 in assembled relation to each other.

It is understood that the molding elements 10, 11 and 12 may be constructed of a single unit secured to the plate section 18 which may be wood or metallic material and that other minor changes may be made to the card frame of this invention without departing from the scope of the appended claims.

What is claimed is:

1. A frame comprising, a rectangularly shaped plate constructed of two independent sections, a plurality of molding elements secured along three edges of one of said sections, a molding element secured along one edge of one side of the other of said sections, a support, means for securing the first-mentioned plate section to said support, means formed in two of said molding elements longitudinally thereof cooperating with said support to form guiding means for receiving the other of said plate sections, a latch element carried by said support, a latch element carried by said other plate section interlocking with the latch element of the section secured to said support for holding the molding element secured to said other section in assembled end-to-end relation with the last-mentioned two molding elements, and rabbeted portions formed with said molding elements of each of said plate sections for receiving a glass plate and a card, the locking element carried by said other plate section being disengageable from the latch element carried by said support upon a flexing movement of said two molding elements by a force applied to a wedging tool placed between said support and the surface of said molding section disposed adjacent said support.

2. A frame comprising a support, a plate section secured to said support, rabbeted molding elements secured along three edges of said plate, two of said elements being resilient, another plate section complementary to the first-mentioned plate section having a wedge-shaped portion, a molding element secured to one edge of said complemental plate section opposite to said wedge portion, the rabbeted portions of said molding elements being secured to the first-mentioned plate section and said support forming a guide for the complemental plate section, a latching element carried by said support, a latching element carried by said complemental plate section for interlocking with the latch element carried by said support under the tension of said resilient molding elements following the flexing of the latter by the movement of said wedge relative to the latching element carried by said support upon the movement of said complemental plate section in said guide for holding the molding elements of the plate section secured to said support in assembled relation with the molding element secured to said complemental plate section.

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