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E. SAS

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MEANS TO PROTECT CORNERS OF FRANGIBLE MATERIAL

Filed March 29, 1930

FIG. 1

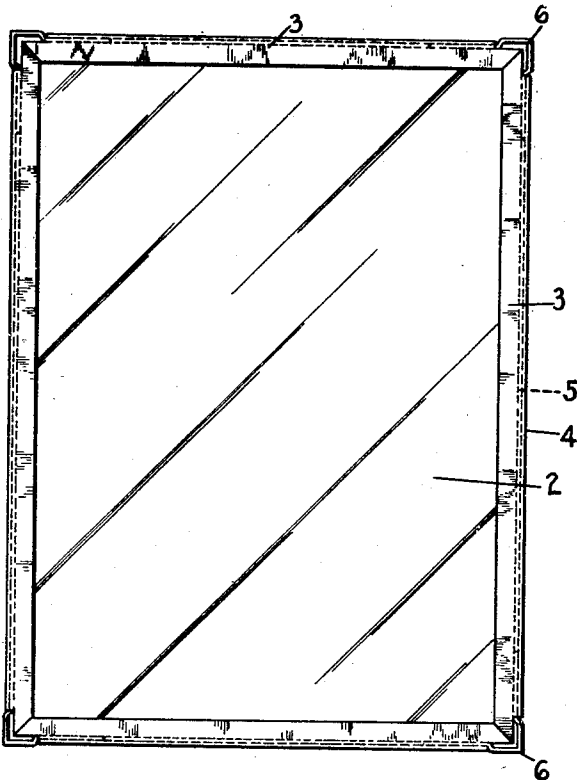


FIG. 2

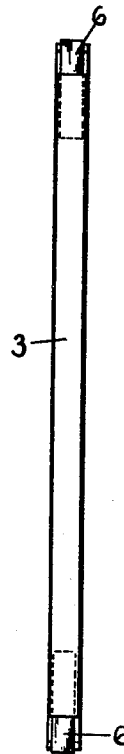


FIG. 3

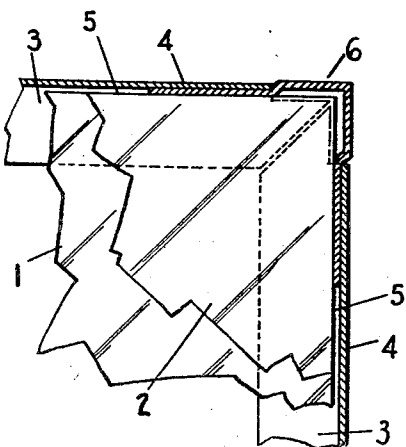
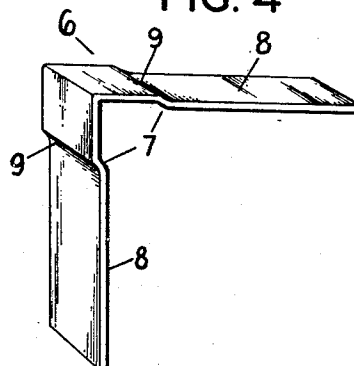


FIG. 4



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MEANS TO PROTECT CORNERS OF FRANGIBLE MATERIAL

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My invention relates to devices designed to protect the corners of glass plates, by providing a protective covering of metal which, when in use, will provide for a space intermediate the covering and the corner of the glass plate, and thus more effectually protect the glass than would be the case if the metal simply covered the edge of the plate but was in contact therewith; and more specifically relates to devices of the character which protect the edges of the glass plates and provide for a space between the plates and the metal binding.

My invention has for its object, to provide a metal covering for the corners, which will not only protect the same from accidental injury but which can be quickly and easily attached or detached, and to accomplish this result in an inexpensive manner.

A concrete embodiment of my invention is illustrated in the accompanying drawing, which is to be considered as a part of this specification, in which—

Fig. 1 is a front elevation of my new device;

Fig. 2 is a side elevation of the same;

Fig. 3 is a fragmentary cross-section of a corner; and

Fig. 4 is a detail view of a corner.

Similar reference numerals refer to similar parts throughout the entire description.

As shown in the drawing, the glass plates 1 and 2 are provided with metal binding 3, which extends longitudinally of their edges, and consists of a channel, the base 4 of which is held in spaced relation to the edge 5 of the plates 1 and 2.

My protective covering comprises a corner 6, which is stamped or blanked out of sheet metal. The metal is then formed into a corner, each angle of which is bent, as at 7, forming an offset portion 8, which is adapted to be inserted intermediate the base 4 of the metal binding 3 and the edge of the plates 1 and 2. This offset 8 serves to hold the remainder of the angle spaced from the corners of the plates 1 and 2, thus effectually safeguarding them even if they should be struck quite a blow. The shoulders 9 formed by the

bend 7 serve to hold the corners from movement.

As each angle is of identical configuration, it follows that when the offset portions 8 on each angle are inserted in place, the corners cannot be accidentally displaced, although they can be easily removed or placed in position, the springiness of the metal serving to hold them, once they are placed inside the metallic binding.

It will be apparent from the foregoing description that these corners may be blanked out of sheet metal, as clearly seen in Fig. 4, by a punch press, and then formed into their final shape. This kind of work being very cheap, I am enabled to produce a very inexpensive covering for the corners, and thus reach the result sought to be obtained.

Although I have described the corners as being formed of metal, and the plates as being glass plates, I do not wish to be understood as limiting myself specifically to the kinds of material named, as my invention is not confined to any particular material.

Having described my invention, what I regard as new, and desire to obtain by Letters Patent of the United States, is:

1. The combination, with a glass plate provided with a binding which is spaced from the edge of the plate, of detachable corners formed of springy material, each angle of which has an offset end portion adapted to be inserted intermediate the plate and the binding, the corner being spaced from the corner of said plate.

2. In a device of the character described, a detachable corner comprising angles formed of relatively stiff resilient material adjacent the corner, having end portions, and a shoulder formed at the junction of the angle and the end portion, said end portions being offset.

3. The combination, with a plate, of a detachable corner formed from relatively stiff sheet metal, each angle thereof having an offset end portion, whereby the corner is spaced from the corner of the plate, and means to detachably hold said corners in position.

4. The combination, with a plate provided

with binding which is spaced from the edge of the plate, of detachable corners formed of springy material, each angle of which has an offset end portion adapted to be inserted intermediate the plate and the binding, the corner being spaced from the corner of said plate.

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