E. MORRIS.

DUST JOINT FOR DRAWERS.

APPLICATION FILED MAY 14, 1914.

1,137,073. Patented Apr. 27, 1915.

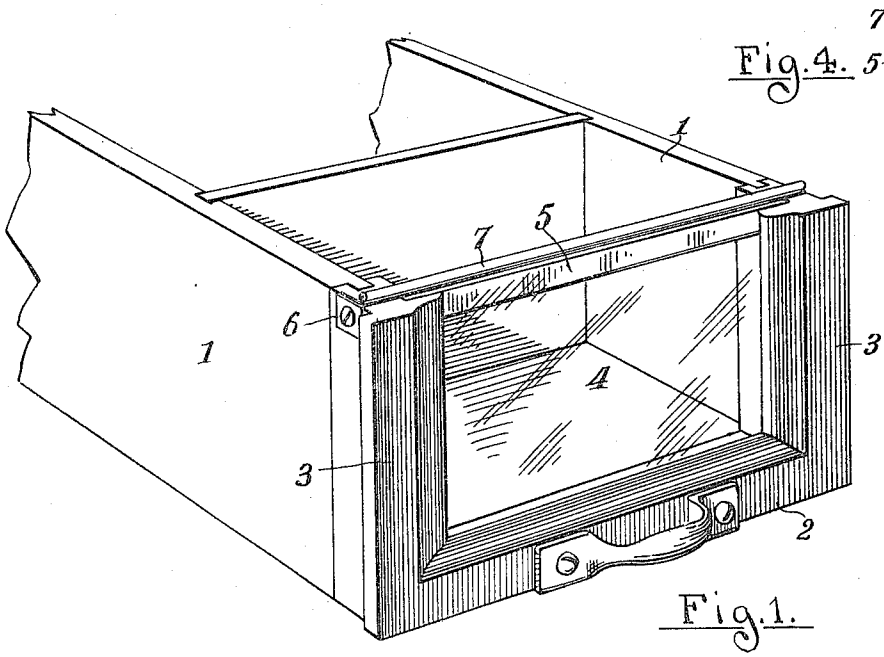


Fig. 1.

Fig. 4.

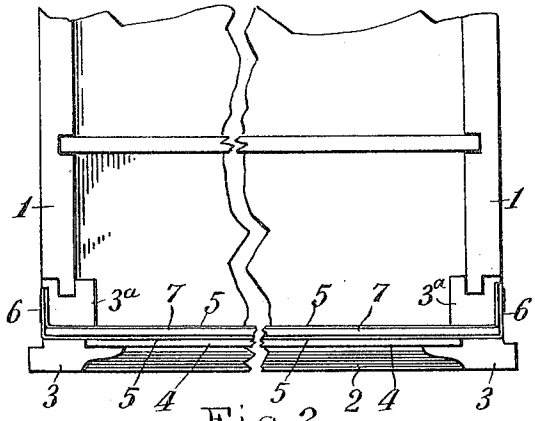


Fig. 2.

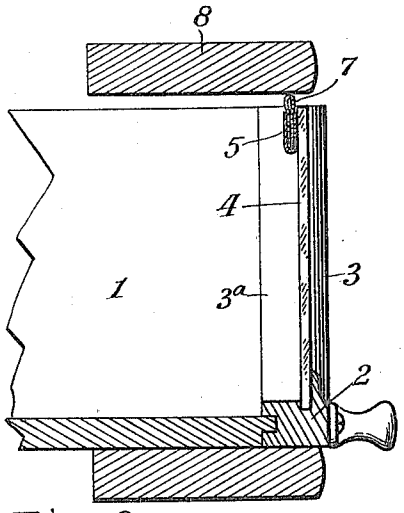


Fig. 3.

Witnesses

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DUST-JOINT FOR DRAWERS.

1,137,073. Specification of Letters Patent. Patented Apr. 27, 1915.

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To all whom it may concern:

Be it known that I, EDMUND MORRIS, a citizen of the United States of America, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Dust-Joints for Drawers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention has relation to drawers and has especial application to drawers mounted for back and forth sliding movements in any suitable supporting structure.

The primary object of my invention is to provide a dust proof joint between the drawer and the inclosure in which it is mounted by means of novel and improved construction incorporated in the drawer structure near the front thereof.

A further object is to provide a front for a drawer formed chiefly of glass whereby visual examination and inspection of the contents of the drawer may be had through the front, and to provide a novel means for retaining the glass panel in position and for making it possible to readily replace such panel in case it becomes broken or otherwise unsuitable for use, a portion of the structure used in making the dust proof joint being utilized in forming the retaining means for the glass front.

An embodiment of my invention is illustrated in the accompanying drawing, in which,

Figure 1 is a perspective view of the front portion of a drawer equipped with my invention. Fig. 2 is a plan view thereof. Fig. 3 is a vertical section through the front portion of the drawer and adjacent members of the supporting structure therefor. Fig. 4 is a detail sectional view.

Like reference characters refer to like parts throughout the several views of the drawing.

The drawer has sides 1 and a bottom the same as in all ordinary drawers, the top being open for the insertion or removal of articles of various kinds that may be adapted to be received by the drawer. At the front a closure is provided consisting of a frame having a bottom member 2 and two spaced apart side members 3 which are positioned directly in front of the sides 1 of the drawer and which are provided with grooves on the inner edges thereof for the reception of the glass panel 4 which completes the front inclosure. The bottom member 2 is also grooved to receive the lower edge of the panel. Immediately to the rear of the panel 4, the side members 3 are slotted for the reception of the U-shaped cross member 5, said member having its ends 6 bent to the rear and secured by screws or other suitable fastening means to the portions 3^a of the side members 3 back of the slots therein as best shown in Fig. 2. The U-shaped member 5 is located with its open side upward and closed side below, adapting it to receive between the sides thereof the elastic or yieldable strip 7 which is centrally folded, its edges being inserted between and clamped by the sides of the member 5, said fabric extends above the upper edges of the sides and front of the drawer a short distance and yieldingly engages the cross piece 8 of the structure receiving the drawer. In this manner the space between the upper edges of the drawer and the cross piece above it is closed and an efficient dust proof joint made which prevents the entrance of dust into the drawer when it is in closed position as will be evident. At the same time, the member 5 extending the full width of the drawer immediately back of the panel 4, bears against the upper back surface of the panel and firmly retains it in place against accidental displacement and prevents any rattling of the panel should the grooves in the members 2 and 3 be somewhat large as they may be for slidable receiving of the panel 4. And, if at any time, the glass becomes broken or it is desired for any other reason to replace it with a new panel, such change can be easily made.

The drawer may be provided with any suitable drawer pull as illustrated in Fig. 1, and the method of attachment of the front for the drawer to the sides and bottom may be anything suitable for firm connection of the parts such as the rabbet joints shown, and the side members 3 may be provided with overlapping portions to cover the division line between the sides of the drawer and the inclosure receiving it.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent is,—

1. A drawer having sides, bottom and

front, said front consisting of bottom and side members and a glass panel carried by said members, a U-shaped member located back of the panel and bearing against the same adjacent the upper edge thereof, and a yieldable strip carried by the U-shaped member and extending above the upper edges of the sides and front of the drawer.

2. A drawer having sides, back and front, said front consisting of a bottom and spaced apart side members, a U-shaped member inserted in and extending between the upper ends of said side members and rigidly secured thereto, a flexible strip in said member and projecting above the drawer, and a glass panel supported by said bottom and side members with its rear upper portion engaged and held by the U-shaped member, substantially as described.

3. A drawer having a front consisting of bottom and spaced apart side members, and a glass panel carried by said members, a U-shaped member extending between and connecting the side members and inserted in the upper ends thereof immediately back of the glass panel, and a yieldable strip extending the full width of the drawer and projecting above the upper edges thereof and also secured between the sides of the U-shaped member.

4. A drawer front consisting of a bottom and spaced apart grooved side members a glass panel carried in the grooves of said members, a cross member bearing against the inner side of said panel adjacent the upper edge thereof, said cross member being seated in slots in the side members of the front having its ends bent at right angles and secured to the respective side members and a flexible strip inserted in the cross member at one edge and projecting at the other edge above the plane of the front.

In testimony whereof I have affixed my signature in presence of two witnesses.

EDMUND MORRIS.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."