Aug. 22, 1950 H. S. ROSENBAUM 2,520,109

BOTTOM RAIL FOR VENETIAN BLINDS

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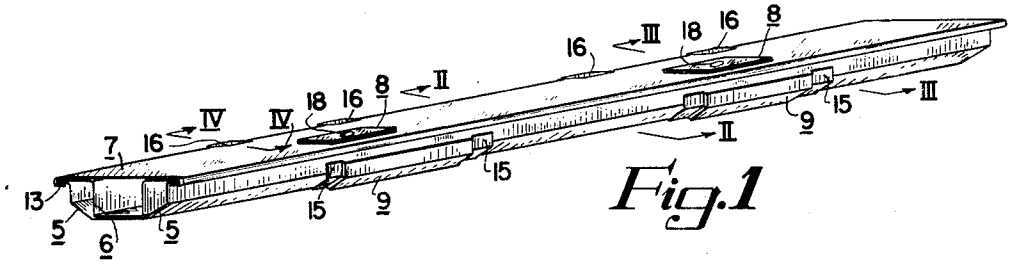


Fig. 1

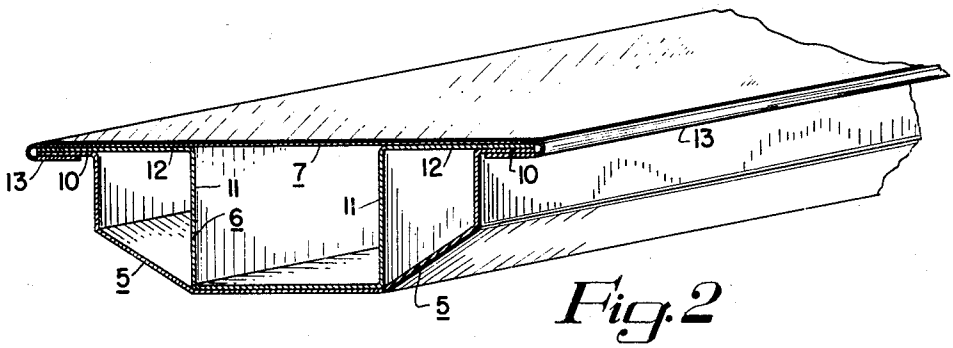


Fig. 2

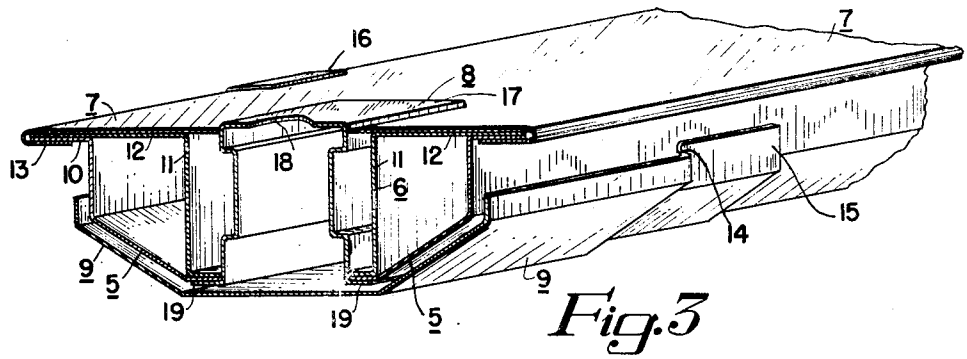


Fig. 3

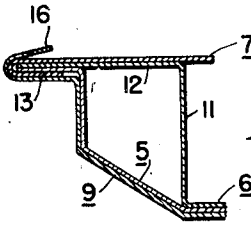


Fig. 4

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BOTTOM RAIL FOR VENETIAN BLINDS

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Application May 3, 1949, Serial No. 91,043

4 Claims. (Cl. 160—178)

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This application relates to a bottom rail for Venetian blinds. More particularly it relates to bottom rails for Venetian blinds such as are described in my copending application Serial No. 22,622, filed April 19, 1948. In said application I describe and claim fixtures for Venetian blinds whereby head rails, bottom rails, slats and tilter rollers for Venetian blinds may be manufactured and distributed in long lengths to local retailers who can readily cut these parts to any desired length and thereafter assemble them without special tools into a finished Venetian blind. The bottom rail which is here described and claimed is particularly suited for such blinds in that not only can it be manufactured in long lengths and cut to the desired length for a particular installation, but it possesses several additional features. It is very rigid so that it will not sag even when used in a blind of extreme width. It is attractive in appearance and presents no recess in which dirt and dust can accumulate.

In the accompanying drawings I have illustrated a present preferred embodiment of my invention in which:

Figure 1 is an isometric view of my bottom rail;

Figure 2 is a section along the lines II—II of Figure 1;

Figure 3 is a section along the lines III—III of Figure 1; and

Figure 4 is a fragmentary section along the lines IV—IV of Figure 1.

Figure 1 is an isometric view of my bottom rail which comprises a U-shaped channel 5, a second U-shaped channel 6 within the first channel 5 and a top 7. The rail also has rope or cord holders 8 and tape clips 9, all of which will be more fully described hereinafter.

Figure 2 shows the construction and assemby of the channels 5 and 6 and the top 7. The channel 5 is U-shaped and the legs of the U each have laterally extending flanges 10. The channel 6 is also U-shaped and fits within the channel 5. The legs 11 of the channel 6 are slightly longer than the channel 5 is deep and carry flanges 12 which extend laterally and parallel to the flanges 10 of the channel 5 for approximately the same distance. The top 7 extends the full width of the rail across the flanges 10 and 12 and its outer edges 13 are folded around and under the flanges 11 and 12 to form a four-ply seam along both edges of the rail (see Figure 4).

Figures 3 and 4 show the means whereby the usual slat tapes of a Venetian blind can be fastened to my bottom rail and also the means whereby operating cords can be secured to the rail. I provide tape clips 9 which surround and generally conform to the contours of the channel 5. Each end of each clip is offset inwardly as at 14 (Figure 3) so that the clips are spaced from the channels for the greater portion of their lengths. The slat tapes pass around the bottom rail within the space between the rail and the clip. One edge 15 of each clip is parallel to one of the sides of the channel 5. The other edge of the clip carries two spaced hooks 16 which fit around the folded outer edges 13 of the top 7 (Figure 4). After the slat tapes have been passed around the rail, the hooks 16 of the clips are placed around one edge of the rail and the edge 15 of the clip is snapped on to the rail. The distance between the hooks 16 and the edge 15 of each clip is determined so that the clip is sprung on the rail into the position shown in the drawings and thereby held in place.

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The rope or cord holders 8 are in the form of U-shaped members, the base 17 of which has an opening 18 through which a cord can be passed and thereafter knotted so that it can not be withdrawn. The holder is fitted into openings cut in the top and outer channel of the rail, the U-shape being inverted when the holders are in position in the bottom rail. The legs of the holder have flanges 19 which extend laterally beneath and generally parallel to the channel 5 and thus prevent withdrawal of the holders 8 from the rail.

From the foregoing description it will be apparent that I have invented a bottom rail which can readily be formed on a mass production basis by stamping and bending lengths of sheet metal. It can be cut to any length desired and punched for rope or cord holders by simple machinery. Nevertheless it is quite rigid and presents a completely closed outer surface which may readily be cleaned.

While I have described a present preferred embodiment of my invention, it is to be understood that it may be otherwise embodied within the scope of the appended claims.

I claim:

1. A bottom rail for a Venetian blind comprising a U-shaped channel having laterally extending flanges at the end of each leg of the U, a second U-shaped channel fitting within the first channel and having lateral flanges extending parallel to and substantially coextensive with the flanges of the first channel, and a top extending across the flanges of the channels and having its

edges folded around the ends of the flanges of the channels.

2. A bottom rail for a Venetian blind comprising a U-shaped channel having laterally extending flanges at the end of each leg of the U, a second U-shaped channel fitting within the first channel and having lateral flanges extending parallel to and substantially coextensive with the flanges of the first channel, a top extending across the flanges of the channels and having its edges folded around the ends of the flanges of the channels, aligned openings in the top and the outer channel and a U-shaped member fitting within said openings, said member having an opening in its base through which a cord may be passed and flanges extending laterally from the legs, said flanges contacting the outer surface of the outer channel.

3. A bottom rail for a Venetian blind comprising a U-shaped channel having laterally extending flanges at the end of each leg of the U, a second U-shaped channel fitting within the first channel and having lateral flanges extending parallel to and substantially coextensive with the flanges of the first channel, a top extending across the flanges of the channels and having its edges folded around the ends of the flanges of the channels and a tape clip surrounding the first channel, said clip having one edge extending parallel to one outer side of said channel, and hooks on the opposite edge of said clip adapted to fit around

that portion of the top which is folded around said flanges, the distance between said hooks and the opposite edge of the clips being such that the clip can be sprung on to said outer channel.

4. A bottom rail for a Venetian blind comprising a U-shaped channel having laterally extending flanges at the end of each leg of the U, a second U-shaped channel fitting within the first channel and having lateral flanges extending parallel to and substantially coextensive with the flanges of the first channel, a top extending across the flanges of the channels and having its edges folded around the ends of the flanges of the channels, aligned openings in the top and the outer channel, a U-shaped member fitting within said openings, said member having an opening in its base through which a cord may be passed and flanges extending laterally from the legs, said flanges contacting the outer surface of the outer channel, and a tape clip surrounding the first channel, said clip having one edge extending parallel to one outer side of said channel, and hooks on the opposite edge of said clip adapted to fit around that portion of the top which is folded around said flanges, the distance between said hooks and the opposite edge of the clips being such that the clip can be sprung on to said outer channel.

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No references cited.