

July 10, 1928.

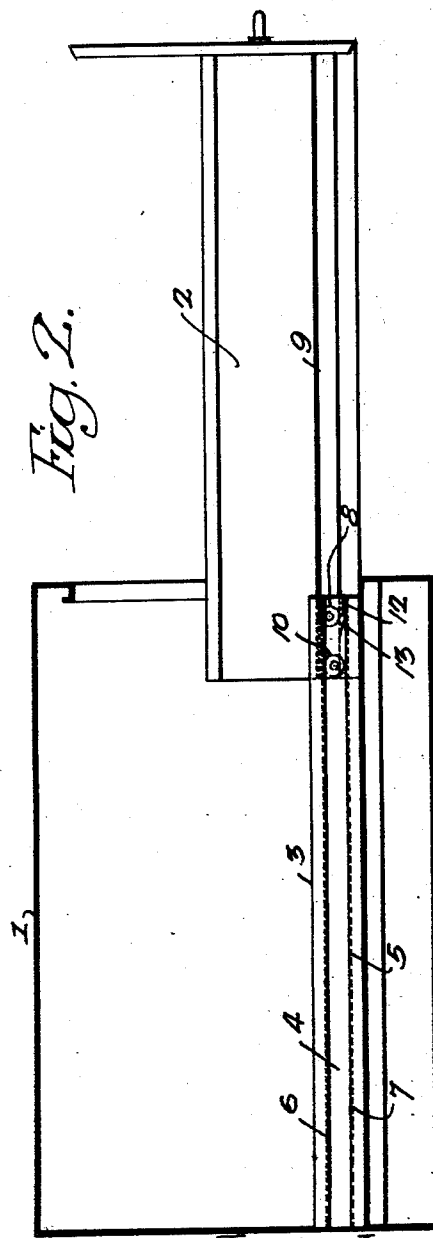
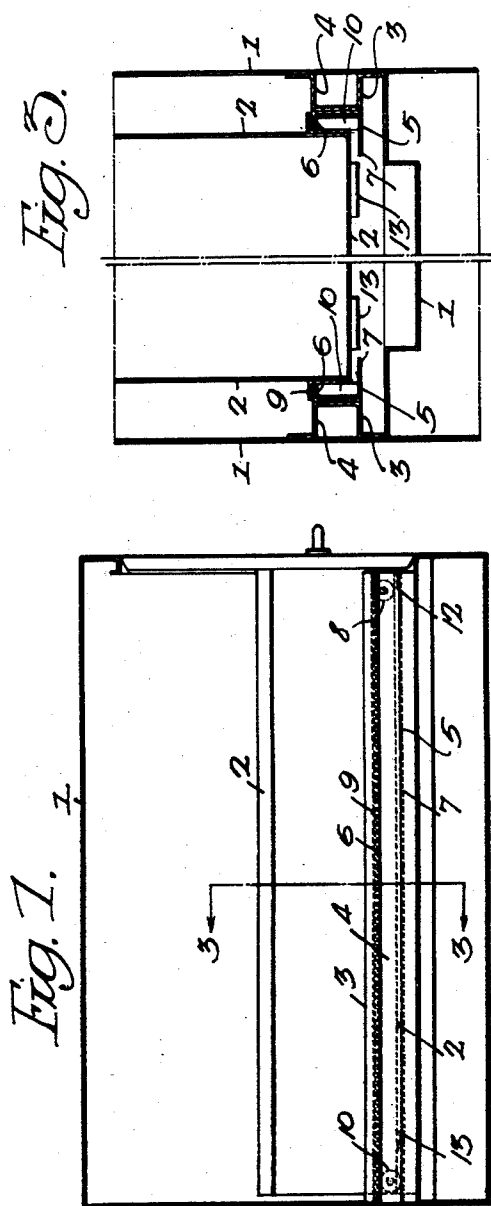
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DRAWER MOUNT

Filed March 20, 1925

2 Sheets-Sheet 1



Inventor.
George Bergmann.
by his Attorneys.
Howson & Howson

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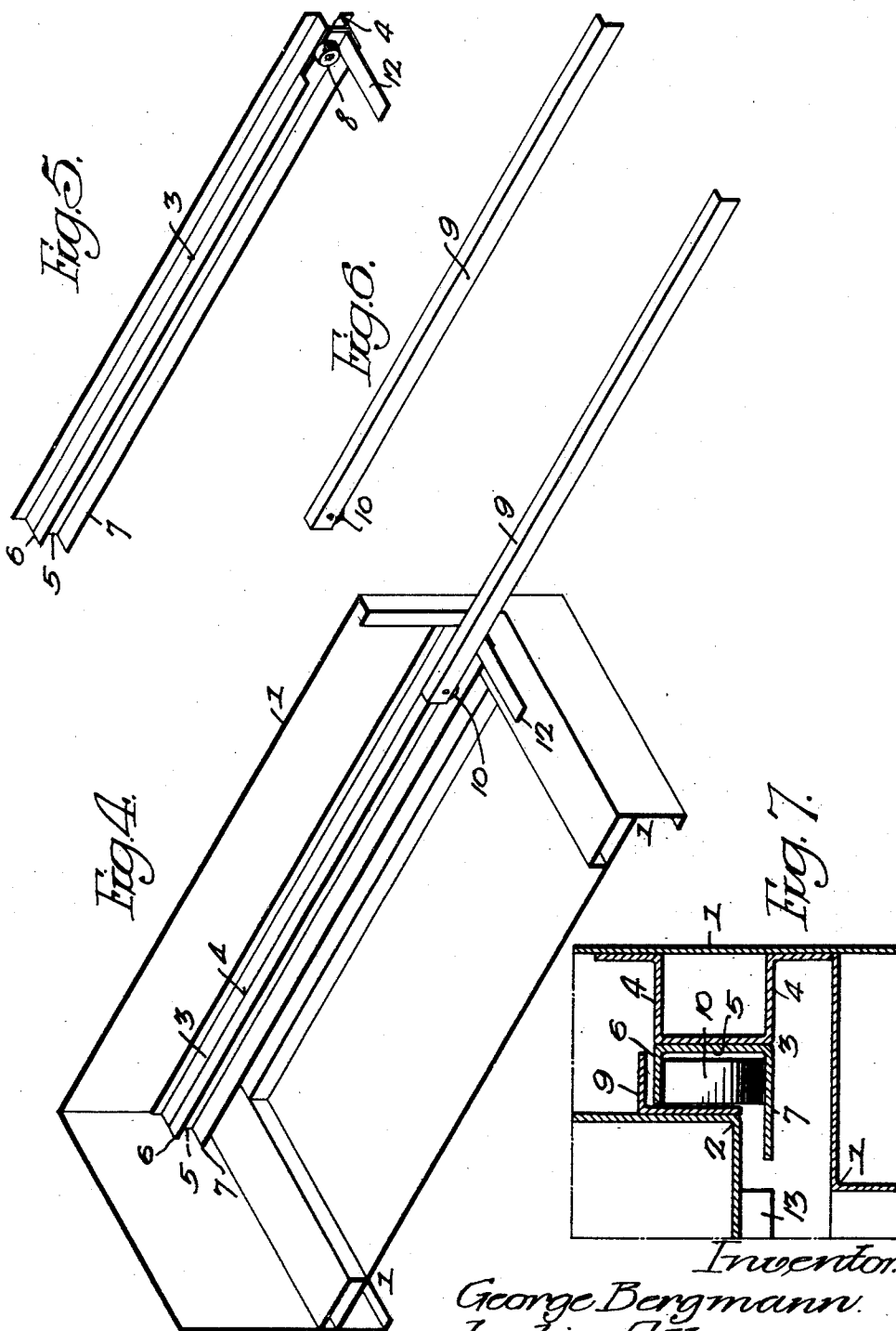
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UNITED STATES PATENT OFFICE.

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DRAWER MOUNT.

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This invention relates to mounts for drawers and the like, and the principal object of the invention is to provide a strong, durable mount that shall be efficient in operation and which may be manufactured at an extremely low cost.

A cabinet made in accordance with my invention I have illustrated in the attached drawings, in which:

10 Figure 1 is a longitudinal section through a one-drawer cabinet made in accordance with my invention;

Fig. 2 is a view similar to that of Fig. 1, but showing the drawer extended;

15 Fig. 3 is a section on the line 3—3, Fig. 1;

Fig. 4 is a fragmentary perspective view showing the interior of the cabinet and details of the drawer mount;

20 Fig. 5 is a detached perspective of the fixed slide constituting one of the two main elements of the mount;

Fig. 6 is a detached perspective of the movable slide constituting the other main element of the mount, and

25 Fig. 7 is an enlarged transverse section through the assembled slide members illustrating the relative positions of the relatively fixed and movable slide members shown respectively in Figs. 5 and 6.

30 With reference to the drawings, the invention has wide application, and in the present instance I have shown it applied to a single-drawer cabinet consisting of a casing 1 and the single drawer 2. To the inner side walls of the casing are secured in horizontal position and above the bottom, and by welding or other suitable means, track members, 3, 3. As clearly illustrated, these track members comprise a channel member 40 4 whose longitudinal outwardly flanged edges are secured to the walls of the casing, and secured to the outer face of this channel 4, a member 5 having a top horizontal flange 6 and a lower horizontal flange 7 projecting 45 into the interior of the cabinet. As shown in Fig. 5, the upper flange 6 stops short of the forward edge of the member 5, and journaled on this member at the forward end is a roller 8 which projects at the top slightly 50 above the upper surface of the flange 6.

Secured on opposite sides of the drawer 2 are track members 9, see Fig. 6, consisting of a bar of angular cross section arranged with one arm projecting horizontally at the 55 top, the vertical arm being secured by weld-

ing or other suitable means to the said drawer. The track 9 has journaled at the rear and projecting below the lower edge a roller 10 which in assembly travels upon and intermediate the flanges 6 and 7 of the track member 3, the transversely projecting flange of the track 9 overlying the flange 6 of the member 5 and resting upon the roller 8.

In this manner, and as clearly illustrated, 65 when the drawer is closed, the rear of the drawer will be supported by the roller 10, while the front of the drawer will be supported by the roller 8. After the drawer is drawn out to a certain extent, it will over- 70 balance at the front, and when this occurs, the elevation of the rear ends of the tracks 9 brings the rollers 10 against the under side of the flanges 6. It will be apparent that the drawer is thus always supported at 75 each side upon the two rollers, the roller 8 operating against the under side of the projecting flange of the member 9, and the roller 10 upon this latter member operating both on the upper side of the flange 7 and 80 the under side of the flange 6 of the fixed track member 3.

As shown in Fig. 5, the roller 8 is sufficiently in advance of the forward edge of the flange 6 to permit the roller 10 to 85 pass upwardly between the flange and roller 8 whereby the tracks 3 and 9 may be separated when it is desired to remove the drawer entirely from the casing. Obviously, under these conditions, if the 90 drawer is permitted to advance outwardly to the point where the roller 10 reaches the forward edge of the flange 6, the drawer will have a tendency to drop out of the casing, and to preclude the possibility of accidental 95 displacement of the drawer in this manner, I provide a suitable stop which normally prevents the drawer from advancing outwardly far enough to carry the roller 10 clear of the flange 6. This stop consists in 100 the present instance of a transverse bar 12 at the forward end of each of the track members 3, this bar being suitably secured in the present instance on the upper face and forward end of the flange 7. In conjunc- 105 tion with this member 12, I provide a downward projection 13 at the bottom of the drawer, this projection, shown in Figs. 1 and 2, being adjacent the rear end of the said drawer and being adapted when the 110

drawer is extended to the maximum permissible extent and before the roller reaches the end of the flange 6, to engage the members 12, thereby preventing further withdrawal
5 of the drawer. If now it is desired to remove the drawer, it is only necessary to elevate the forward end sufficiently to free the stops 13 from the stops 12, after which the drawer may be withdrawn sufficiently to carry
10 the roller 10 clear of the forward end of the flange 6. The rear end of the drawer can then be lifted clear, the roller 10 passing between the forward edge of the flange 6 and the roller 8.

15 Although, for purpose of illustration, I have described the mount as applied to a drawer, it may be otherwise usefully employed, and there is to be no limitation in this respect.

20 I claim:

1. A drawer mount including in combination, a fixed track having oppositely extending spaced horizontal flanges and a vertical web connecting the said horizontal
25 flanges, a roller journalled in the forward

end of said vertical web, said upper horizontal flange being interrupted to provide an opening permitting mounting said roller with its upper portion projecting above the upper surface of said upper horizontal
30 flange, a movable track consisting of a bar of angular cross section arranged with one side disposed horizontally so as to overlies the upper horizontal flange of the fixed track to rest upon said roller, and a second
35 roller journalled in the rear end of the movable track and adapted to operate between the horizontal flanges of the fixed track.

2. A drawer mount including in combination, a fixed track having spaced horizontal
40 flanges, a single roller journalled in the said fixed track and having its periphery projecting above the upper flange thereof, a movable track having a horizontal flange overlying the said fixed track and engaging the
45 said roller of the fixed track, and a roller journalled in said movable track and in operative contact with the horizontal flanges of the said fixed track.

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