

Sept. 2, 1958

N. LEPP

2,850,347

SLIDING DRAWER UNIT FOR MOUNTING IN A CABINET

Filed Nov. 10, 1955

2 Sheets-Sheet 1

Fig. 1.

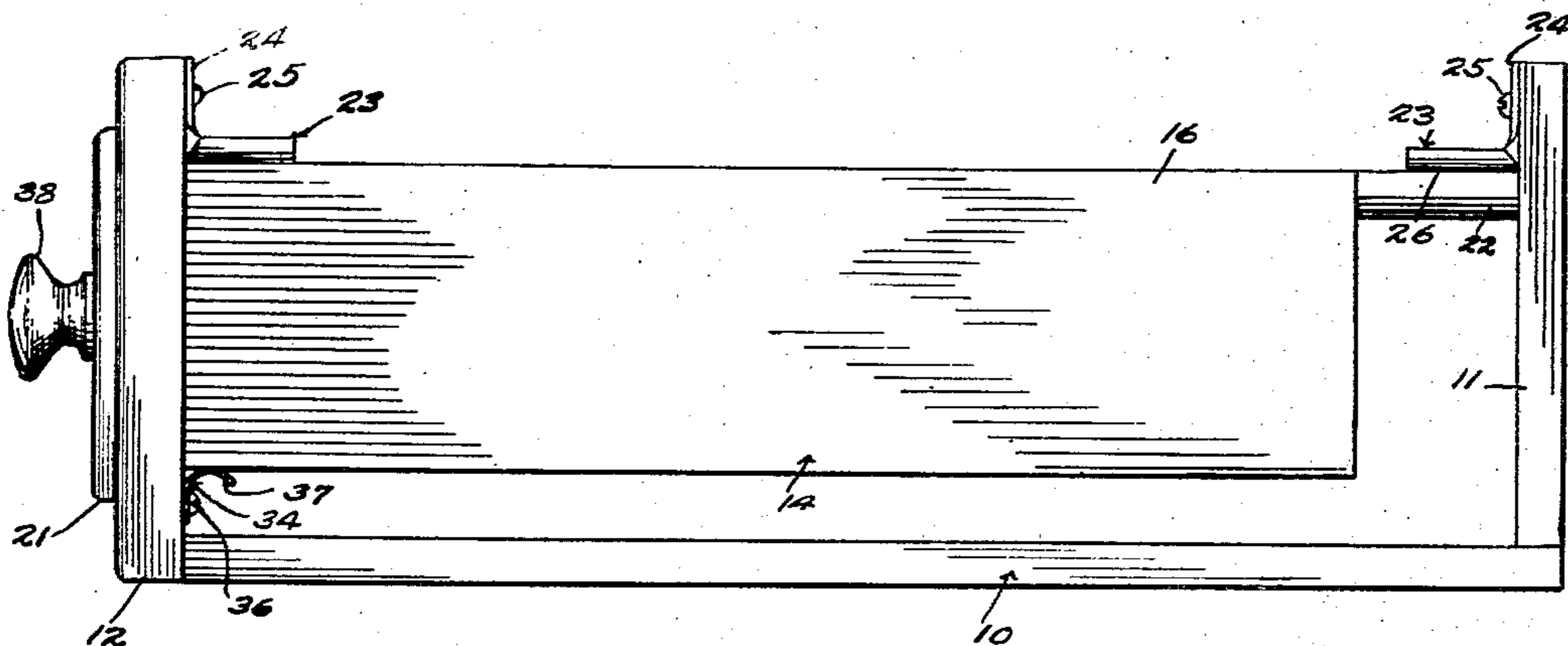
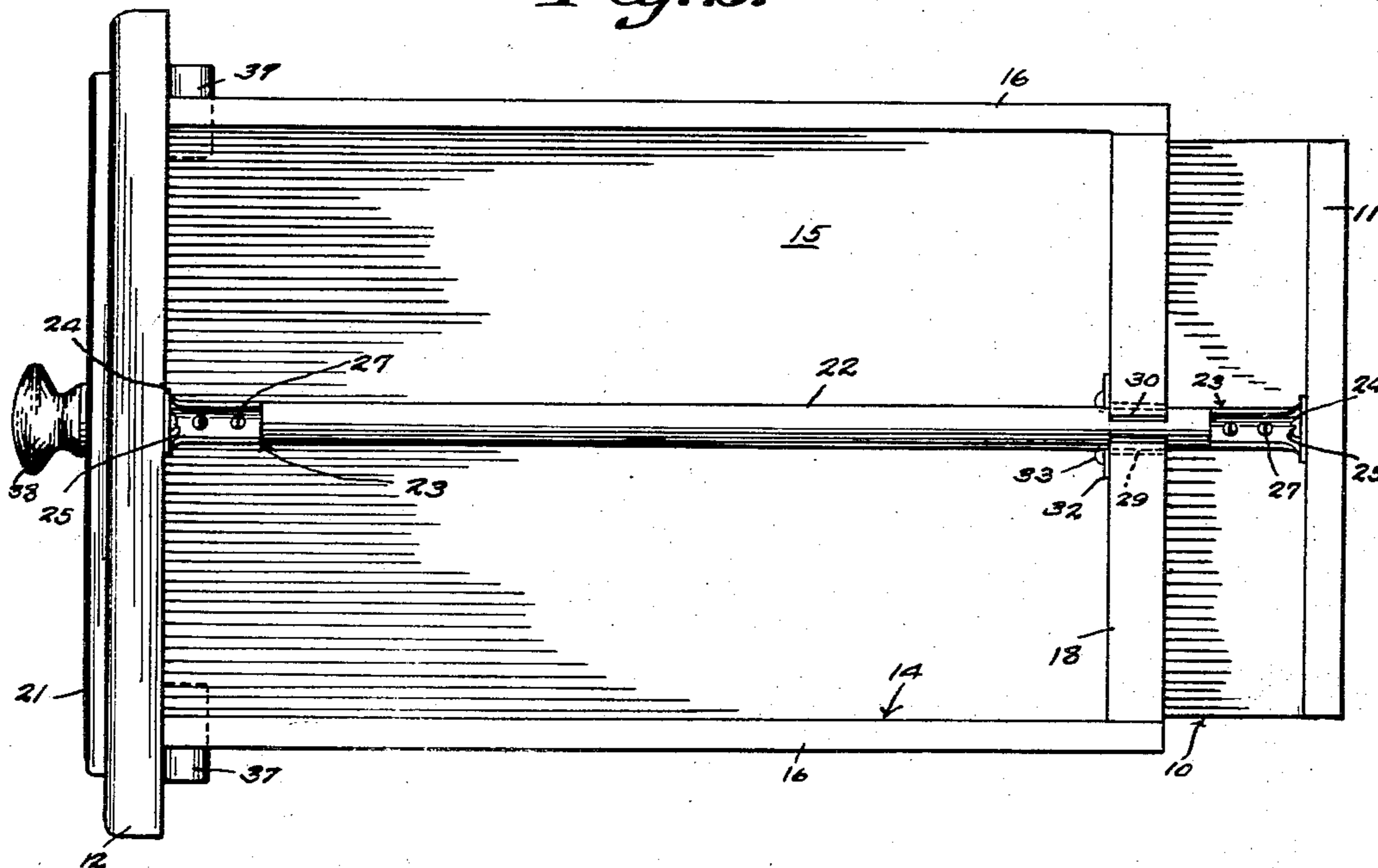


Fig. 2.



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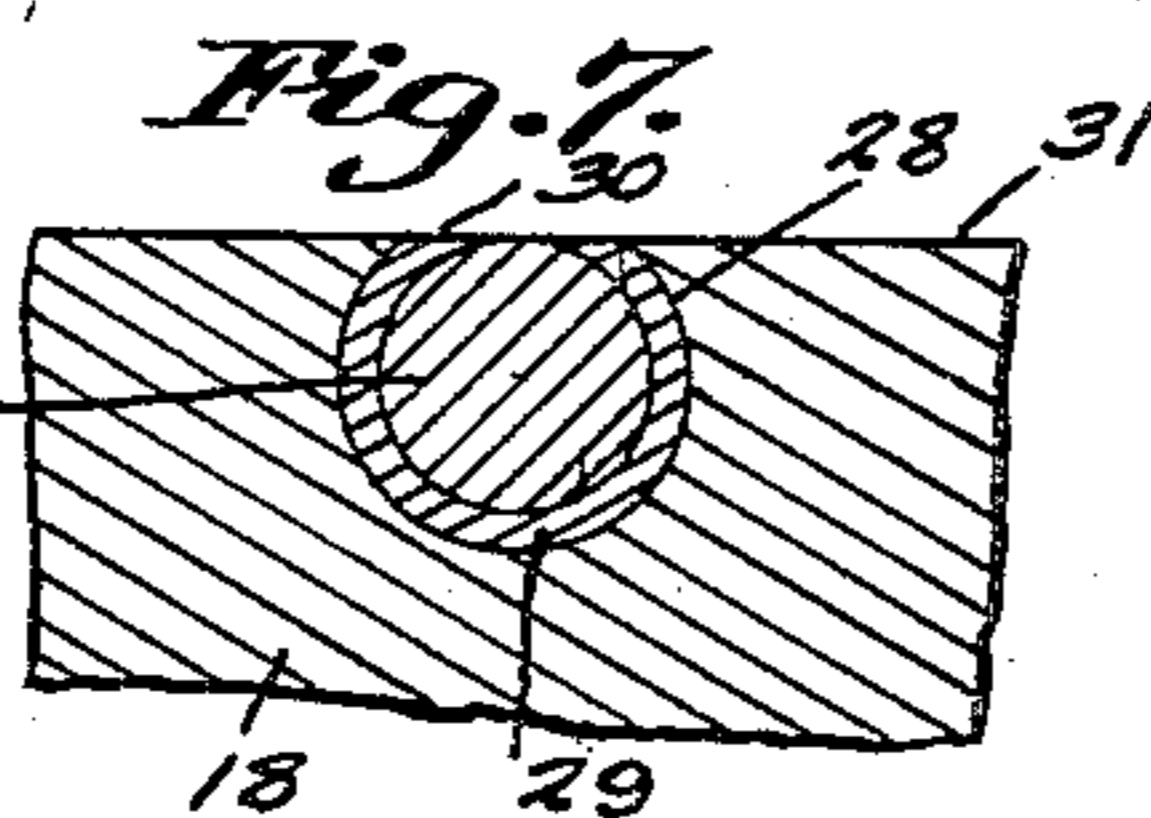
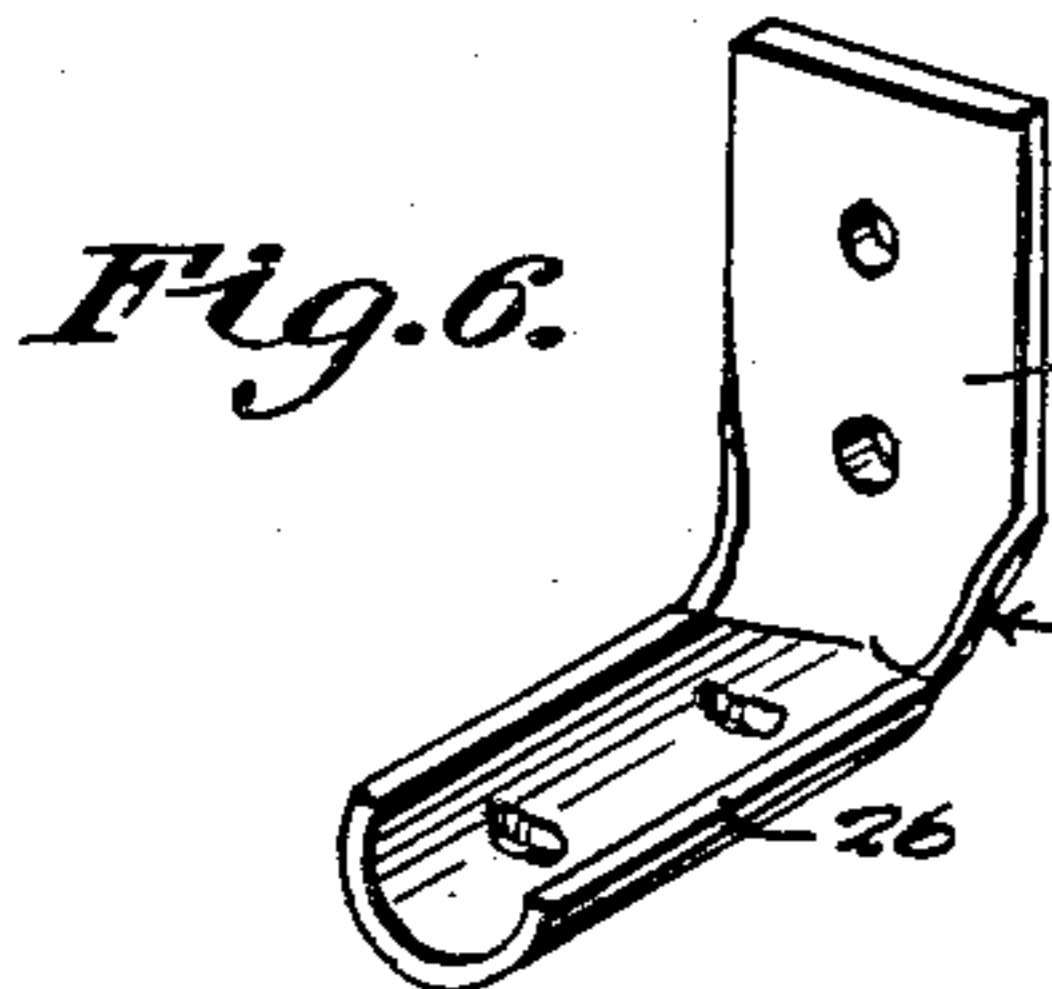
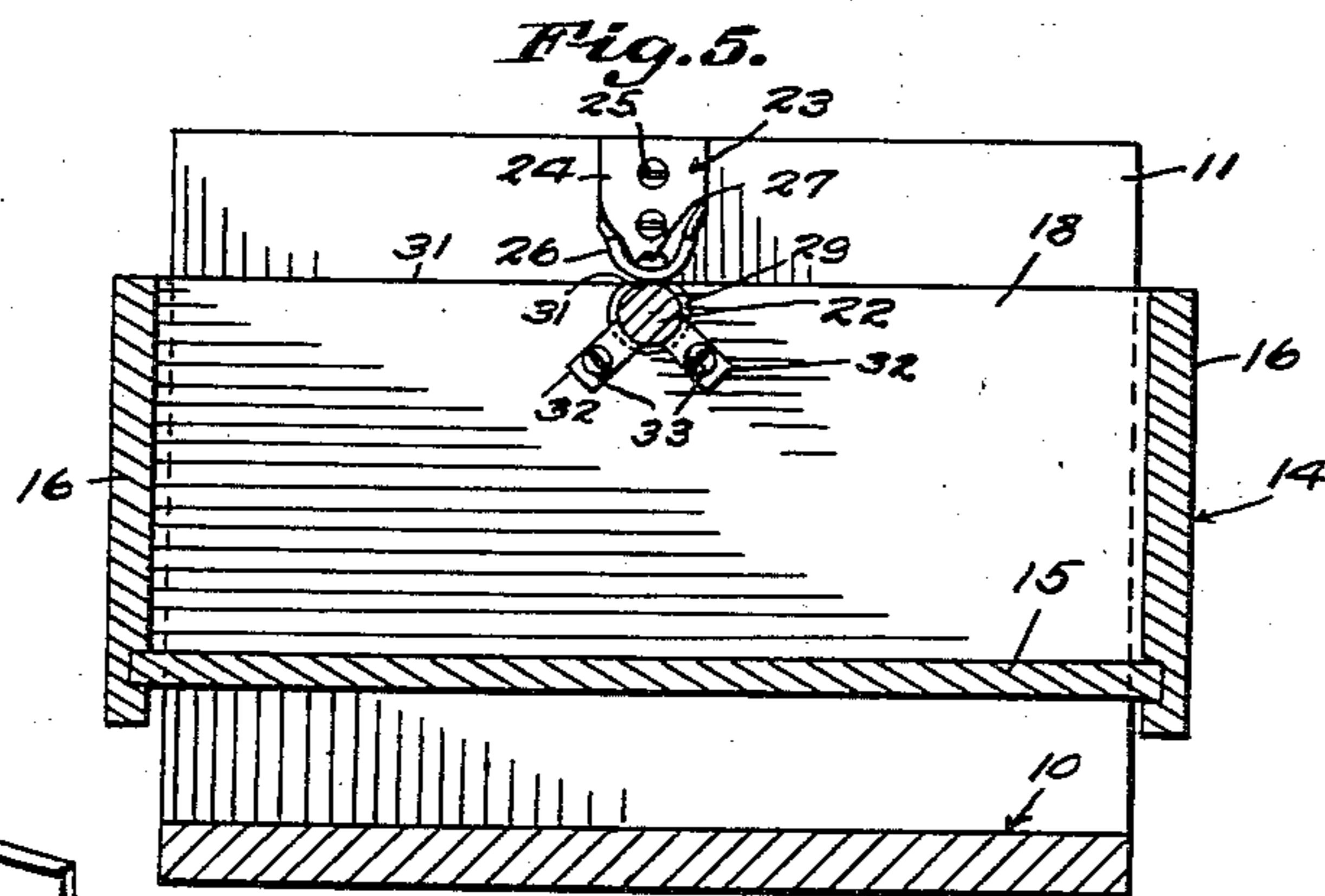
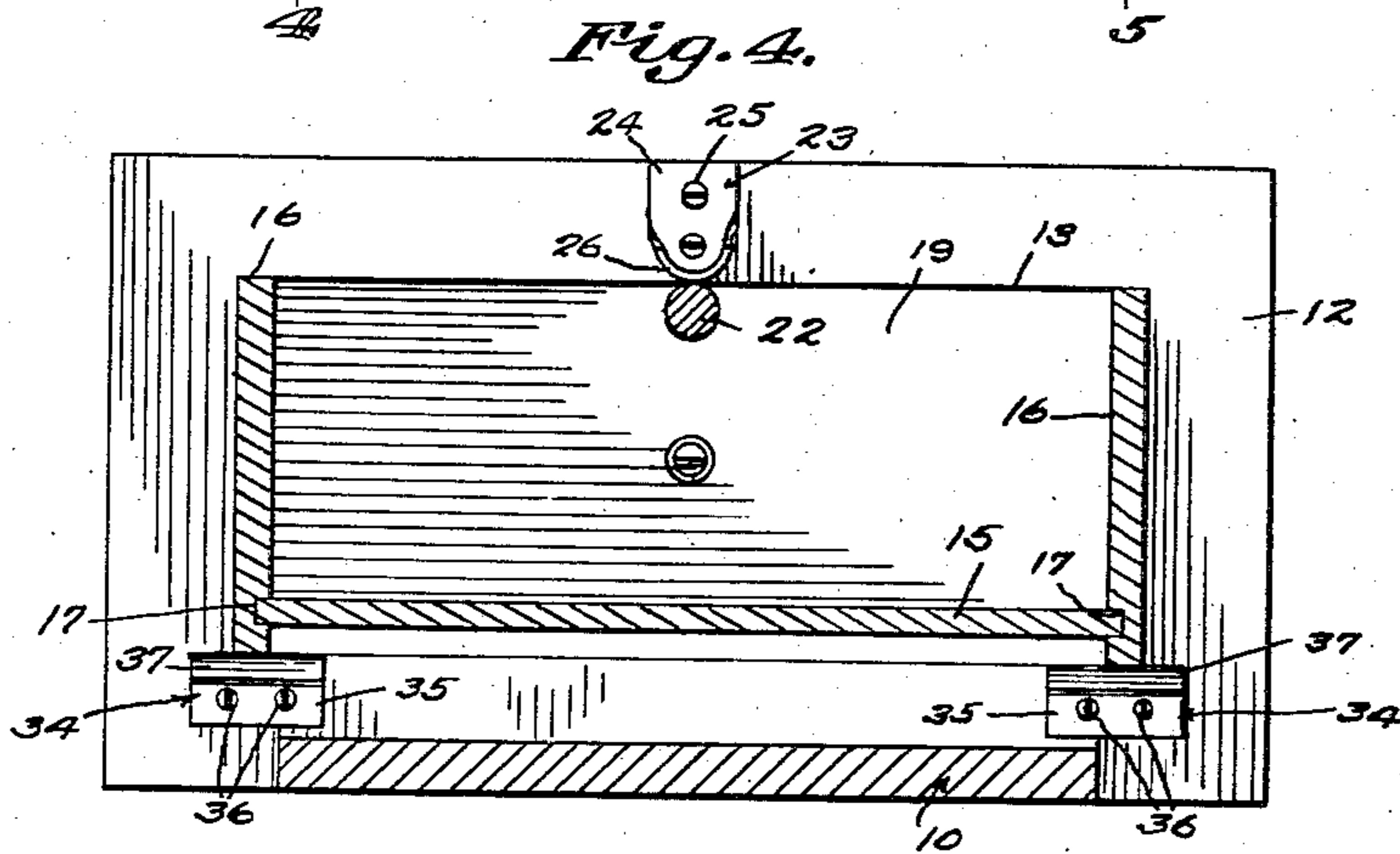
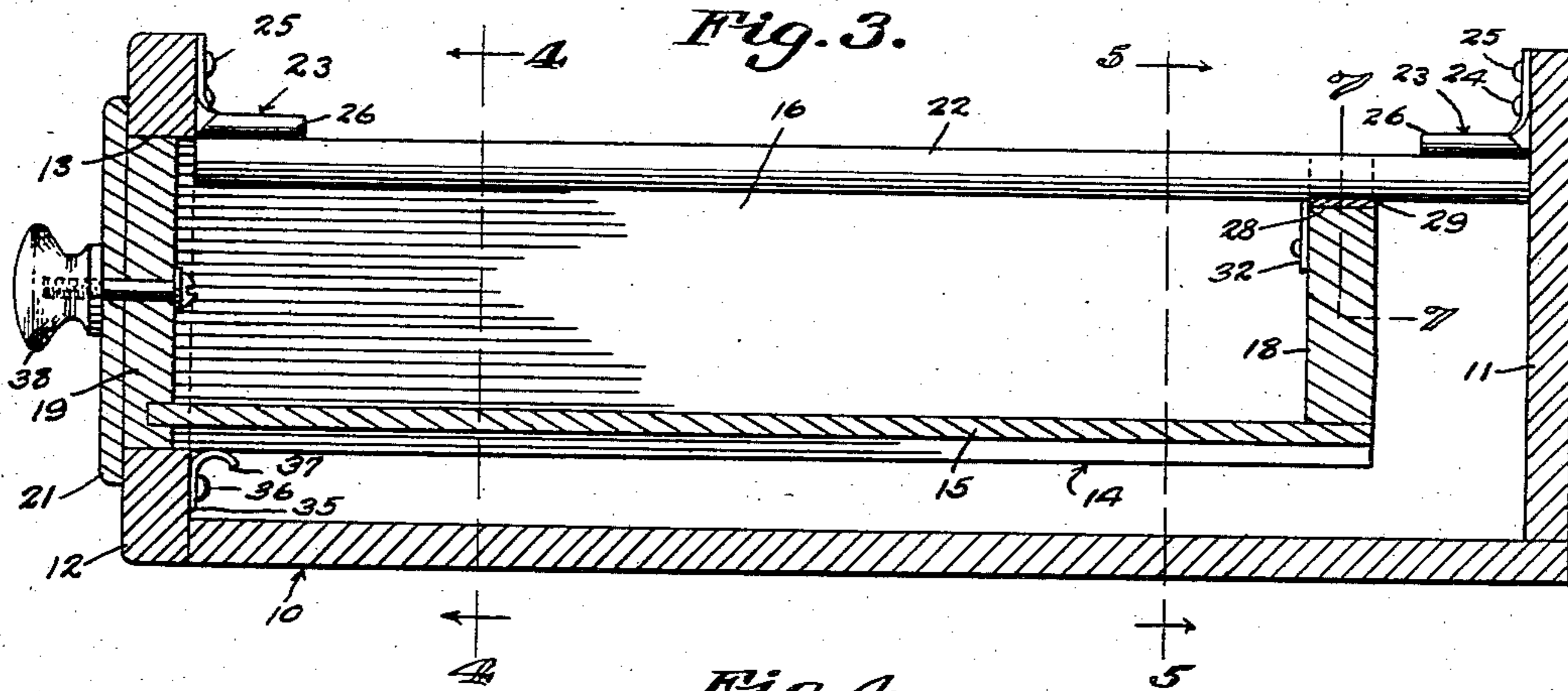
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2 Sheets-Sheet 2



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SLIDING DRAWER UNIT FOR MOUNTING IN A CABINET

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Application November 10, 1955, Serial No. 546,170

1 Claim. (Cl. 312—345)

This invention relates to a sliding drawer unit for mounting in a cabinet.

An object of this invention is to provide an improved drawer unit embodying a supporting frame with a drawer and means slidably supporting the drawer in the frame.

Another object of this invention is to provide an improved drawer supporting means which will hold the drawer against sticking and against lateral movement within the drawer frame.

With the foregoing and other objects in view which will appear as the description proceeds, the invention consists of certain novel details of construction and combinations of parts, hereinafter more fully described and pointed out in the claim, it being understood that changes may be made in the construction and arrangement of parts without departing from the spirit of the invention as claimed.

Referring to the drawings:

Figure 1 is a detail side elevation of a drawer unit constructed according to an embodiment of this invention.

Fig. 2 is a plan view of the device.

Fig. 3 is a vertical section taken longitudinally through the device.

Fig. 4 is a transverse sectional view taken on line 4—4 of Fig. 3.

Fig. 5 is a transverse sectional view taken on line 5—5 of Fig. 3.

Fig. 6 is a perspective view of one of the brackets for supporting the drawer guide rail.

Fig. 7 is a fragmentary sectional view taken on line 7—7 of Fig. 3.

Referring to the drawings, the numeral 10 designates generally a bottom frame member which has secured to the rail of the inner end thereof an upstanding wall 11. A front frame member 12 is secured to the bottom 10 and is formed with an opening 13 through which a drawer generally indicated at 14, is adapted to slidably engage. The drawer 14 is formed of a bottom wall 15, opposite side walls 16 which are formed with horizontal longitudinal grooves 17 in which the bottom wall 15 is adapted to be mounted. The drawer 15 also includes a rear wall 18 and a front wall 19. The front wall 19 is formed with marginal flanges 21 which are adapted to bear against the front side of the front wall 12.

In order to provide a means for slidably disposing the drawer 14 in the frame 10, I have provided a horizontally disposed guide rail 22. The guide rail 22 is round in transverse section and is secured at its rear or inner end to the inner side of the rear wall 11 by means of an L-shaped bracket member 23. The bracket member 23 is formed of a vertical side 24 which is secured by fastening means 25 to the forward side of the rear wall and the bracket member 23 also includes a horizontal side 26 which is of transversely arcuate configuration with the concave side thereof uppermost. The curved lower side 26 of the bracket 23 is secured by screws or fasten-

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ing members 27 to the upper side of the rail 22. The forward end of the rail 22 is secured or suspended from the upper portion of the front wall 12 by means of a second bracket 23. The rear wall 18 of the drawer 14 has an opening 28 therethrough and a longitudinally split sleeve 29 is fixed in the opening 28. The sleeve 29 is split on the upper side thereof and the split ends 30 are disposed flush with the top 31 of the back wall 18. The sleeve 29 is provided with a pair of downwardly diverging lugs 32 which bear against the inner side of the rear wall 18 of drawer 14 and the lugs 32 are secured by fastening means 33 to the wall 18. The sleeve 29 is formed of metal and provides a freely movable suspension means for the rail of the drawer 14. The lower edges of the side walls 16 are adapted to slidably engage the lower edge of drawer opening 13 and in order to provide additional means for smoothly disposing the drawer 14 in the front wall 12, I have provided a pair of guide members generally indicated at 34. The guide members 34 are formed of vertical guide plates 35 secured by screws or fastening members 36 to the inner side of the front wall 12. The upper edge of the base plate 35 merges into a curved guide member 37 which is disposed in a position to engage the lower edge of a side wall 16. As shown in Fig. 4, there are two of these guide members 34 secured to the inner side of the front wall 12. The outer or front side of drawer front 19 is adapted to have a knob or pull member 38 secured thereto. The drawer unit hereinbefore described is adapted to be mounted in an opening formed in the front wall of a cabinet and the rear wall 11 may be secured or supported adjacent the inner rear portion of the cabinet by any suitable means. By providing a split guide or slide member 29 at the rear of the drawer 14 and by providing the upwardly curved bracket side 26 of the rail 22 the slide member 29 may pass freely beneath the curved side 26 of suspension bracket 23.

What is claimed is:

A drawer unit for mounting in a cabinet, comprising a frame formed of a horizontal bottom member, an inner upstanding wall secured to said bottom member, a front wall secured to the front end of said bottom member, said front wall having a drawer opening therein, a drawer slidable through said opening, a horizontal drawer guide bar disposed between said inner wall and said front wall, a pair of L-shaped brackets each having a flat side fixed to said inner and front walls and above the plane of the drawer to permit complete withdrawal thereof, one at each end of said bar, each end bracket having a transversely arcuate horizontal side disposed with the convex side confronting said bar, said drawer having a relatively thick rear wall with a recess extending therethrough, a relatively long split sleeve disposed flush with the top of said rear wall and seated in said recess in the rear wall of said drawer, slidably engaging said guide bar for slidably sustaining the rear of said drawer from said bar, and a curved guide member secured within said frame adjacent to the sides of the drawer opening in which said drawer slides, balancing the drawer as it is extended outwardly through said drawer opening.

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