

O. M. OTTE.
 SUSPENSION FOR DRAWERS AND SIMILAR RECEPTACLES.
 APPLICATION FILED MAR. 25, 1918. RENEWED MAR. 15, 1919.

1,301,495.

Patented Apr. 22, 1919.

2 SHEETS—SHEET 1.

Fig. 1.

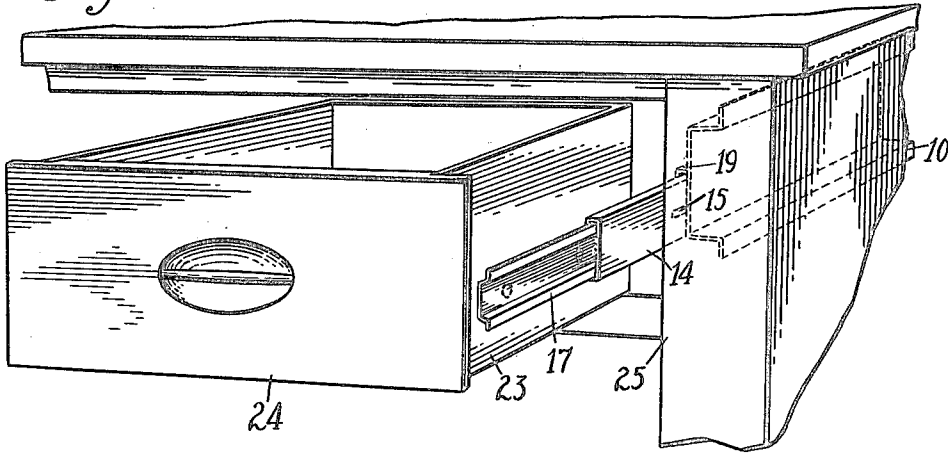


Fig. 2.

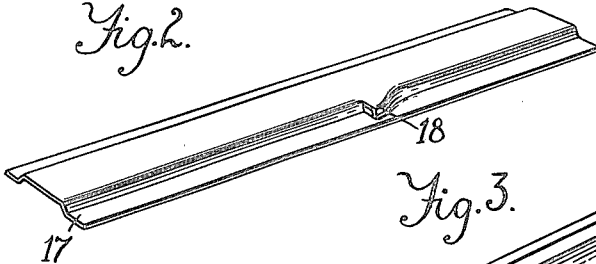


Fig. 3.

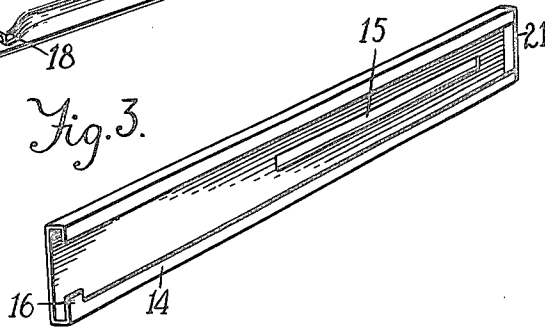


Fig. 5.

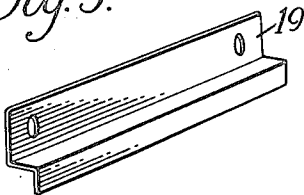
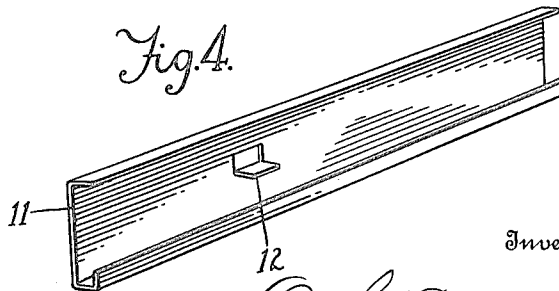


Fig. 4.



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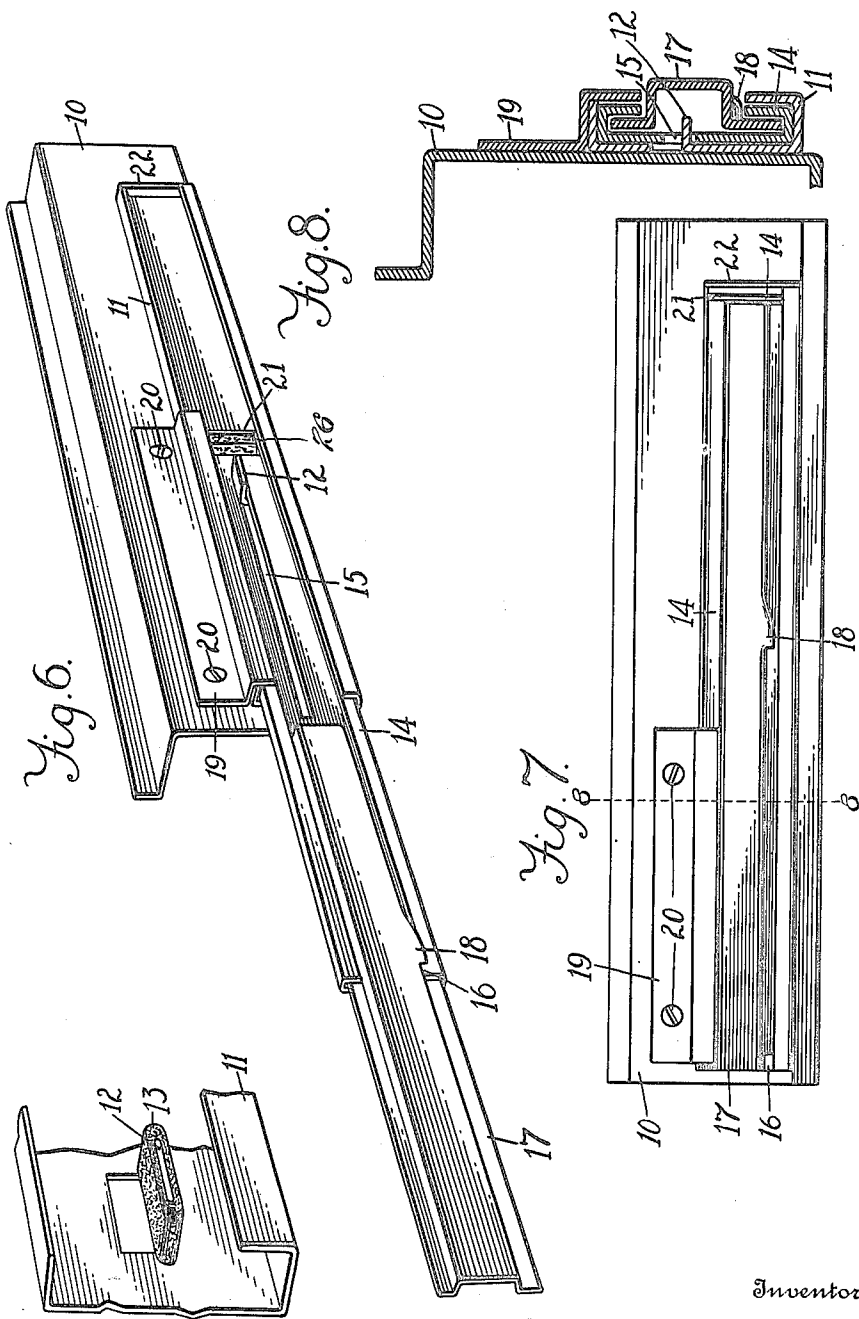
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SUSPENSION FOR DRAWERS AND SIMILAR RECEPTACLES.

1,301,495.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, OTHO M. OTTE, a citizen of the United States, residing at the city of Jamestown, in the county of Chautauqua and State of New York, have invented certain new and useful Improvements in Suspensions for Drawers and Similar Receptacles, of which the following, taken in connection with the accompanying drawings, is a specification.

The invention relates to suspensions or means for hanging drawers, bins and similar receptacles; and the object of the improvement is to provide a simple telescoping sheet metal suspension construction which can be manufactured at low cost and occupies small space between the drawer side and the supporting casing and strongly supports the drawer in the withdrawn position in front of the case, providing means also whereby the drawer may be easily detached and removed from the casing; and the invention consists in certain improvements and combinations of parts as hereinafter more fully described, and pointed out in the claims.

In the drawings, Figure 1 is a perspective view of a drawer in the withdrawn position in front of the casing, showing the drawer suspension in position thereon, a portion of the drawer suspension being shown in dotted outline within the casing. Fig. 2 is a perspective view of the channel shaped inner member of the suspension which is attached to the drawer side showing the stop thereon. Fig. 3 is a perspective view of the middle member of the drawer suspension showing the slotted opening thereon and the stop on the front end. Fig. 4 is a perspective view of the outer member which is attached to the inner side of the supporting casing showing the lug which engages through the slot in the middle member to form a stop to limit the drawer movement in both the outward and inward directions. Fig. 5 is a perspective view of the clamping plate which holds the drawer suspension in position upon the casing. Fig. 6 is a perspective view of the entire drawer suspension supported upon the casing in the withdrawn position revealing the manner of combining the assembled parts; and Fig. 7 is a side elevation of the drawer suspension as attached to the casing, the parts being in the closed position. Fig. 8 is a sectional view at line 8—8 in Fig. 7

showing the combination and relation of the different members of the drawer suspension to one another. Fig. 9 is a perspective view of a modification of the lug portion of the outer member, or the member attached to the casing.

Like characters of reference refer to corresponding parts in the several views.

The numeral 10 designates the channel strip for attachment to the casing. The numeral 11 designates the outer member or member attached to the strip 10 which drawer suspension member 11 has the lug 12 struck out therefrom a little forward of its central portion, the member 11 being made in the channel shape with the lower flange turned upward. The lug 12 may be cushioned to prevent noise as shown at 13 in Fig. 9 by surrounding said lug with a suitable leather or felt cushion so that the lug 12 will strike silently against the end of the slot 15.

The numeral 14 designates the middle or central member of the drawer suspension, which has the slot 15 lengthwise of its central portion and extending from about the center of said member 14 toward the rear end. The member 14 is made in the channel shape and has its upper and lower spaced return bend edges turned toward one another, an upwardly projecting stop 16 being struck from the sheet metal on the front end of the upwardly turned lower flange.

The numeral 17 designates the channeled inner chamber of the drawer suspension, which member 17 bends or is channeled outward so that it fits within the flanges of the middle member 14 and the stop 18 is provided about midway of its length to engage the stop 16 on said middle member 14 and limit the extension of said member 17.

The member 11 is attached to the outer casing 25 or to the support 10 thereon preferably by spot welding and the member 17 is attached to the drawer side 23 preferably by spot welding so that the member 14 slides in the firmly held members 11 and 17.

In order to assemble the members 11, 14 and 17, a fourth member 19 is provided which is attached to the member 10 or to the inner side of the casing 25 by means of screws 20 which renders the member 19 removable and thereby easily provides for the assembling or knocking down of the suspension. Sufficient play is given the mem-

ber 17 in the member 14 so that the drawer 24 with the member 17 attached thereto can be lifted upward sufficiently to free the stop 18 from the stop 16 thereby permitting the
 5 easy and quick withdrawal of the drawer 24 from the casing 25.

The inner ends of the members 11 and 14 may be left open as shown in Fig. 4 or may be closed as shown at 21 and 22 in Fig. 6.
 10 The stop 12 strikes against the end of the slot 15 and thereby forms a stop for the member 14 in the member 11. The member 17 may be made to strike against the turned up end 21 of the member 14 though it is
 15 preferably provided with a block of felt or leather 26 against which the inner end of the member 17 strikes instead of against metal end 21.

It is now apparent that the assembled suspension as described may be placed on each
 20 side of the drawer 24 and will form a strong and simple support which takes very little room between the casing 25 and the drawer side 23. The channel strip 10 is only used
 25 where there is a corner post or other obstruction at the opening for the drawer 24 in order to bring the casing out into line with the drawer side 23.

I claim as new:—

30 1. In a drawer suspension and the like, an outer member having a longitudinal channel on one side thereof, a central member longitudinally channeled on both sides and slidable at one side in the channeled
 35 part of the outer member, a third member slidable at its sides in the respective channels of the central member, channel-forming means at the opposite side of the outer member to slidably receive the oppo-
 40 site side of the central member, and means to removably secure said channel-forming means in position so as to allow upon its removal the removal of the central and third members.

45 2. In a drawer suspension and the like, an outer longitudinally channeled member, a central member in the channels of the outer member and itself being longitudinally channeled on its outer side, said central
 50 member having a longitudinal slot, a lug on the outer member extending into the slot, and an inner member having its side edges received in the channels of the central member and having a longitudinal channel be-
 55 tween its side edges to receive said lug.

3. A suspension for drawers and similar receptacles comprising an outer member

having a lengthwise channel shaped lower edge and a straight outwardly turned upper edge, a middle member slidably received in said outer member having oppositely turned lengthwise channel shaped upper and lower edges thereon, a third member having a lengthwise sidewise U-shaped bend fitting between said channel shaped
 65 edges of said middle member, the edges of said third member slidably received in said channel shaped edges of said middle member, an upwardly projecting stop on the front of said middle member, a stop on said
 70 third member intermediate of its length to engage said stop on the front end of said middle member to limit the extension of said third member, said outer and middle members having a lengthwise slot and lug con-
 75 nection to limit their extension, and a removable angular plate extending over the turned up edges of said outer and middle members to removably assemble and attach the telescoping parts of the suspension. 80

4. In a drawer suspension or the like, an outer channeled member, a central member having its sides turned outwardly and inwardly to form a pair of confronting channels, one of the intumed side parts of said
 85 central member having an enlargement forming a stop, and a third member having its side edges received in the respective channels of the central member and having a longitudinal channel between its side edges,
 90 one of the walls of said channel of the third member being bowed outwardly to form a stop for engagement with said stop of the central member.

5. In a drawer suspension or the like, a
 95 plate, an outer channeled member secured to the plate and having its lower side turned upwardly, a member secured to the plate and having its lower side formed with a depending flange extending below the upper
 100 side of the channeled member, a central channeled member slidable between the lower upturned side of the first named member and the depending flange of the second named member, and an inner member slidable in the channels of the central member.

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

OTHO M. OTTE.

Witnesses:

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 I. E. NORDSTROM.