

W. C. HEANEY.
DRAWER STOP.
APPLICATION FILED NOV. 21, 1908.

915,434.

Patented Mar. 16, 1909.

Fig. 1.

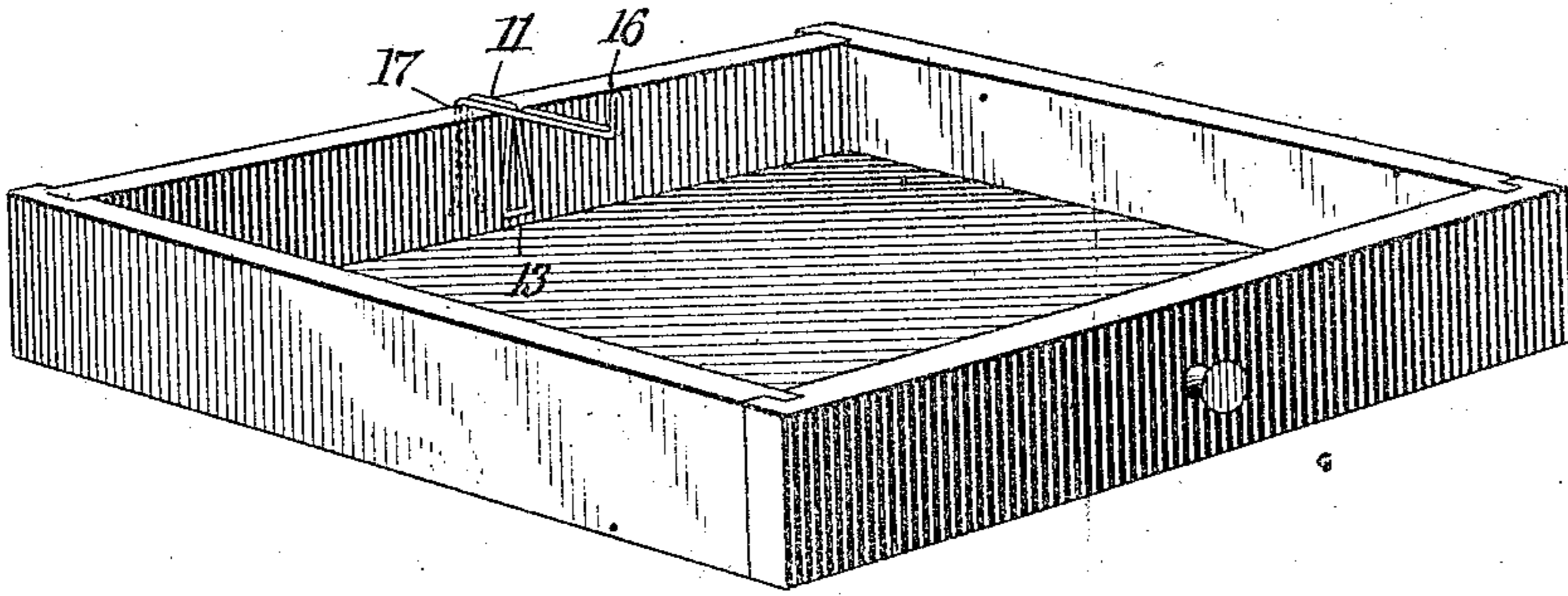


Fig. 2.

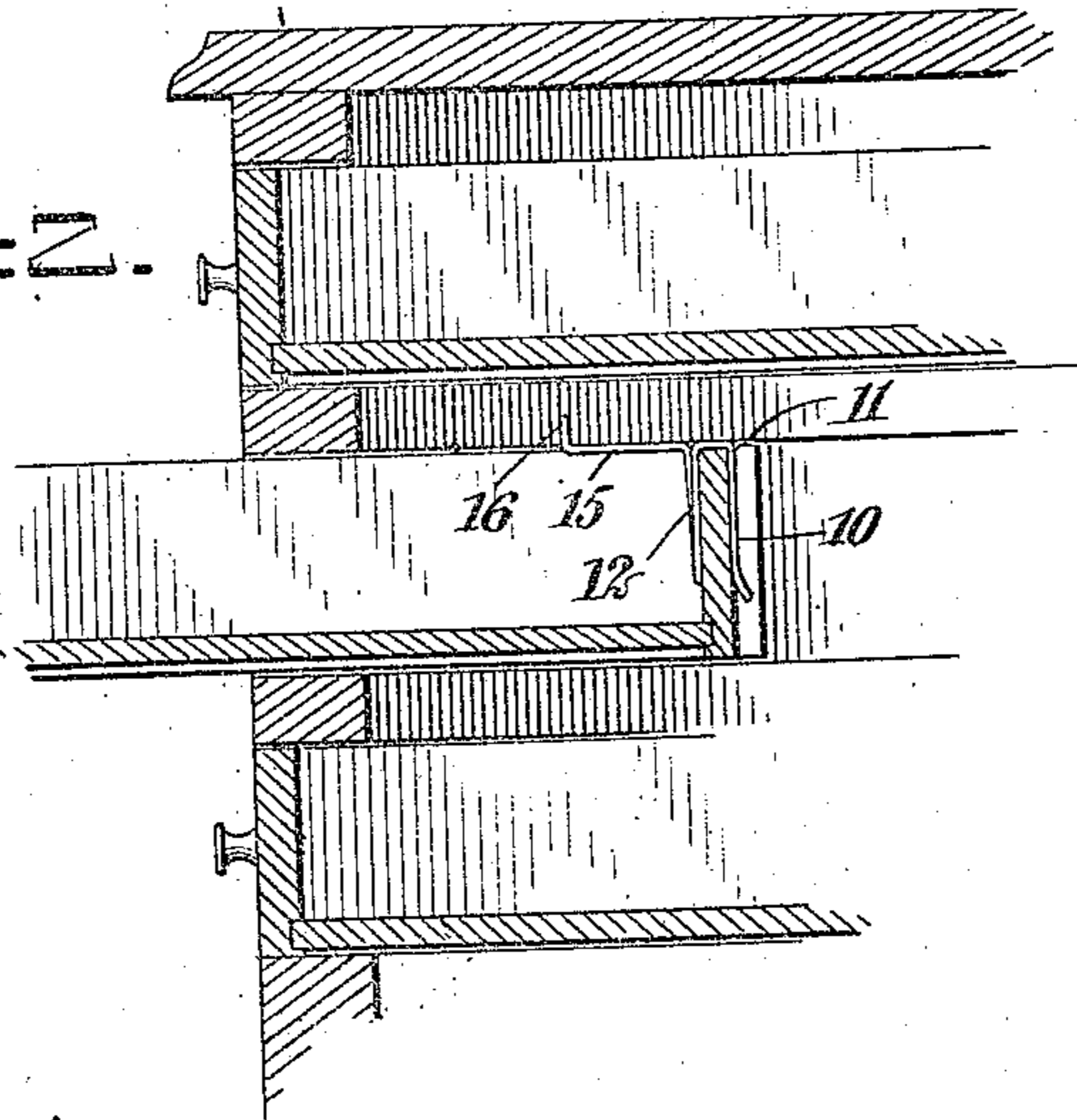


Fig. 4.

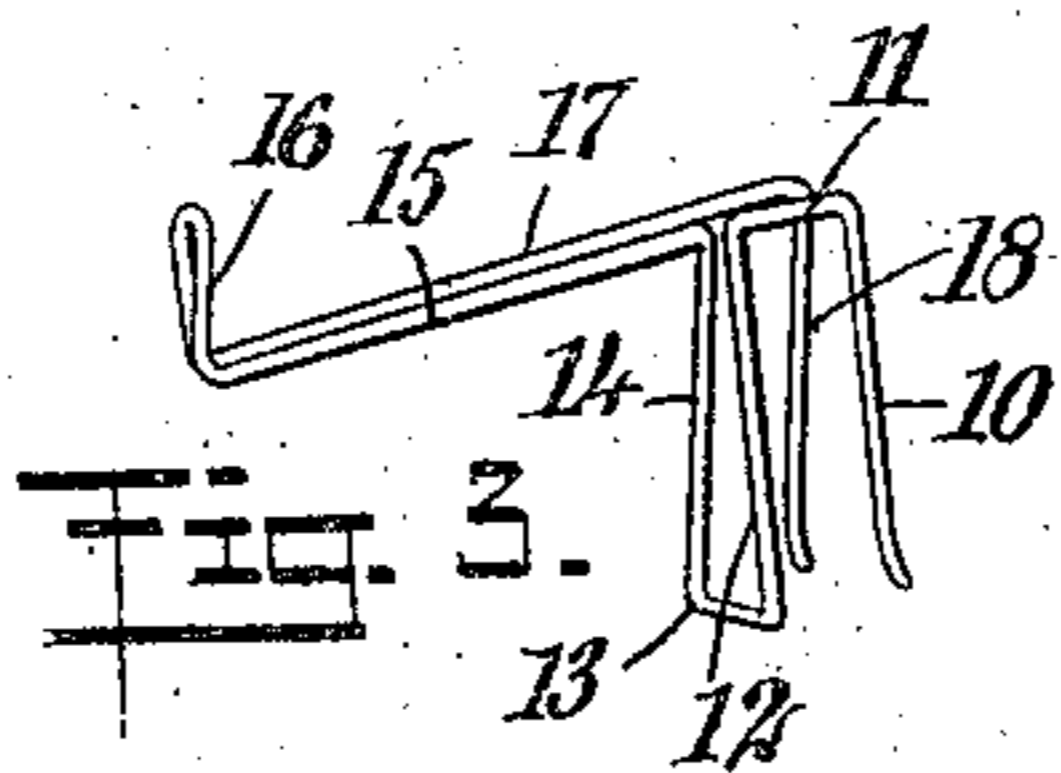
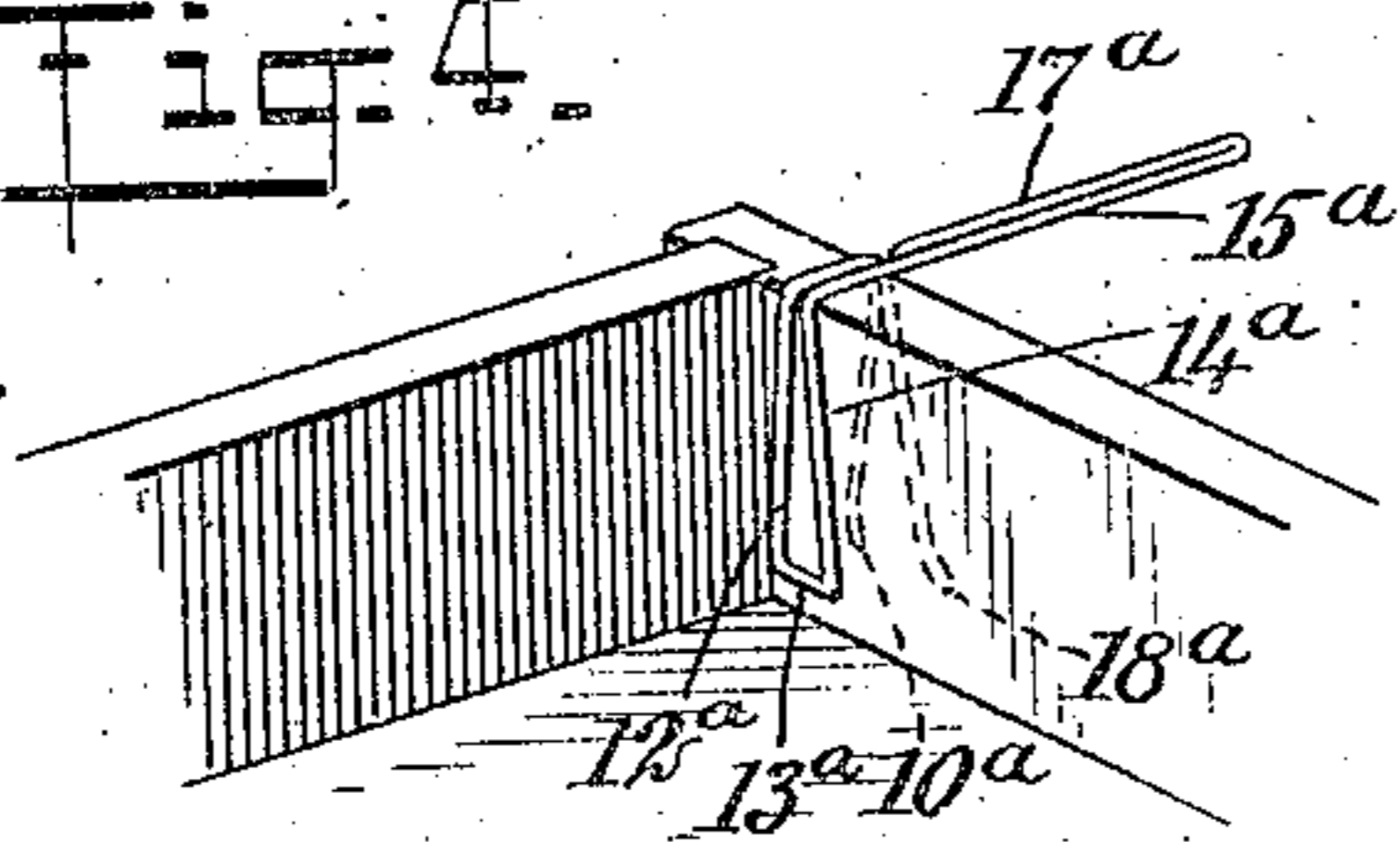


Fig. 3.

WITNESSES

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UNITED STATES PATENT OFFICE.

WILLIAM C. HEANEY, OF PORTLAND, OREGON.

DRAWER-STOP.

No. 915,434.

Specification of Letters Patent.

Patented March 16, 1909.

Application filed November 21, 1908. Serial No. 463,801.

To all whom it may concern:

Be it known that I, WILLIAM C. HEANEY, a citizen of the United States, and a resident of Portland, in the county of Multnomah and State of Oregon, have invented a new and Improved Drawer-Stop, of which the following is a full, clear, and exact description.

This invention relates to certain improvements in stops adapted for use in connection with the drawers of tables, desks, cabinets, and the like, and the object of the invention is to provide a stop, which may be readily applied without the use of any special tool, or without involving changes in the construction of the drawer or adjacent parts.

My improved stop may be readily placed in position or removed from any kind of a drawer, and serves not only to prevent the drawer from being accidentally pulled entirely out of the table, desk or the like, but also serves to prevent papers or other contents of the drawer from slipping out of the latter at the rear edge thereof.

The device is extremely simple in construction and inexpensive to manufacture.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures, and in which—

Figure 1 is a perspective view of a drawer provided with a stop constructed in accordance with my invention; Fig. 2 is a vertical section through a portion of a chest of drawers, one of them being provided with my improved stop; Fig. 3 is a perspective view of the stop; and Fig. 4 is a perspective view of a portion of a drawer showing a slightly modified form of stop.

The stop is preferably formed of a single piece of wire, so bent as to frictionally engage with and grip the upper edge of the rear wall of the drawer, and to expand a sufficient distance above the same to engage with the cross cleat, stop, bar or other portion of the table, desk, cabinet or the like, which lies directly above the opening into which the drawer extends.

In the specific form illustrated in the drawings, the wire is bent to form a clamp for engaging with the wall of the drawer, an upwardly extending stop for engagement with a cleat, brace or transverse member of the table or other piece of furniture, a laterally extending connecting portion between said stop and said clamping portion, and serv-

ing not only to support the stop and permit of its vertical adjustment, but also serving to prevent papers in the drawer from rising above the edge of the drawer and slipping out at the rear thereof.

The clamping portion of the device is formed of two jaws or clamping members for engagement with opposite sides of the drawer wall, and each of these jaws is formed of two portions of the wire spaced apart. Beginning at one end of the wire, the latter is bent to form a vertically extending portion 10 for engagement with the outer surface of the drawer wall, a horizontally extending portion 11 for engagement with the top edge of the drawer wall, a downwardly extending portion 12, a laterally extending portion 13, and an upwardly extending portion 14, all for engagement with the inner surface of the drawer wall, and a horizontally extending portion 15, substantially in alinement with the portion 11 and extending upwardly at an angle to the wall.

At the front end of the portion 15 the wire is bent upwardly and then downwardly to form a loop 16, which constitutes the contact portion of the stop. At the lower end of this loop there is a third horizontally extending portion 17 lying adjacent to, and substantially parallel with, the horizontal portions 11 and 15. Across the top of the drawer wall and at its rear end is a downwardly extending terminal portion 18 engaging with the outer surface of the drawer wall. The portions 10 and 18 form one jaw and contact with the loop formed by the portions 12, 13 and 14 to grip the wall. The terminal portions 10 and 18 preferably diverge at their lower ends, and the transverse portion 13 is of sufficient length so that the portions 12 and 14 also diverge and the jaws are prevented from lateral turning or twisting.

The loop 16 constitutes the stop proper or the contact portion, and it is supported by the connecting link formed of the transverse portions 15 and 17. This connecting portion extends over a portion of the available space within the drawer and serves to prevent papers, or other similar articles, from rising above the edge of the drawer. The stop 16 may contact with a transverse cleat, bar or other portion of the table, chest or cabinet and effectively prevent the drawer from being opened more than a predetermined distance. The link or support formed of the portions 15 and 17 of the wire, may be

bent upwardly or downwardly from the edge of the drawer to vary the elevation of the loop 16, so that it may be prevented from scratching or scraping on the under surface of a superposed drawer or the table top.

If the drawer be opened with considerable force, and the stop be brought into violent contact with the transverse bar or cleat above the drawer, the strain will come entirely in the direction of the lengths of the wire portions 15 and 17, and as the wire portion 15 is bent downwardly into engagement with the inner surface of the drawer, and upwardly into engagement with the inner surface of the bar or cleat above the drawer, there is very little, if any, tendency to bend, displace or distort the device.

The device, instead of being secured to the middle of the rear wall of the drawer, may, if desired, be secured to the side wall of the drawer, adjacent the rear corner, in case there is no cleat or stop above the drawer, for instance, in a flat-top table.

In Fig. 4 I have shown a slightly modified form of stop disposed in the position above indicated, and the upwardly extending looped portion 16 has been omitted. In this form, the portions 15^a and 17^a are connected at their outer ends to form a loop, and this loop may engage with the side wall or other adjacent portion of the table to prevent the withdrawal of the drawer. In this form, the terminal portions 10^a and 18^a are disposed on the outside of the drawer and on the side adjacent the stop proper, while the loop constituting the other jaw and formed of the wire portions 12^a, 13^a and 14^a, is disposed on the inside of the drawer and opposite to the stop proper.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. A stop for drawers, including two gripping jaws for engagement with a wall of the drawer, and a laterally-extending portion disposed over a portion of the open top of the drawer for retaining papers within the drawer and for preventing the complete withdrawal of the drawer.

2. A stop for drawers, having gripping portions for engagement with the wall of the drawer and having a laterally-extending portion terminating above the plane of the open top of the drawer for preventing the complete withdrawal of the drawer.

3. A stop for drawers formed of wire and having gripping portions for engagement with the wall of the drawer and having a portion integral with both of the gripping portions and extending laterally therefrom substantially in the plane of the top of the drawer.

4. A stop for drawers, formed of a single piece of wire and having gripping portions for engagement with a wall of the drawer, and having a laterally extending portion for retaining papers within the drawer and for preventing the complete withdrawal of the drawer.

5. A stop for drawers, formed of wire and including two oppositely-disposed clamping jaws for engagement with opposite sides of a drawer wall, a laterally extending portion adapted to be disposed over the drawer, and an upwardly extending contact portion carried by said laterally extending portion at the free end thereof.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM C. HEANEY.

Witnesses:

R. F. MYERS

L. C. REAM.