

F. I. GREENEN.
DRAWER BIN SUPPORT.

APPLICATION FILED FEB. 18, 1904.

NO MODEL.

Fig. 1

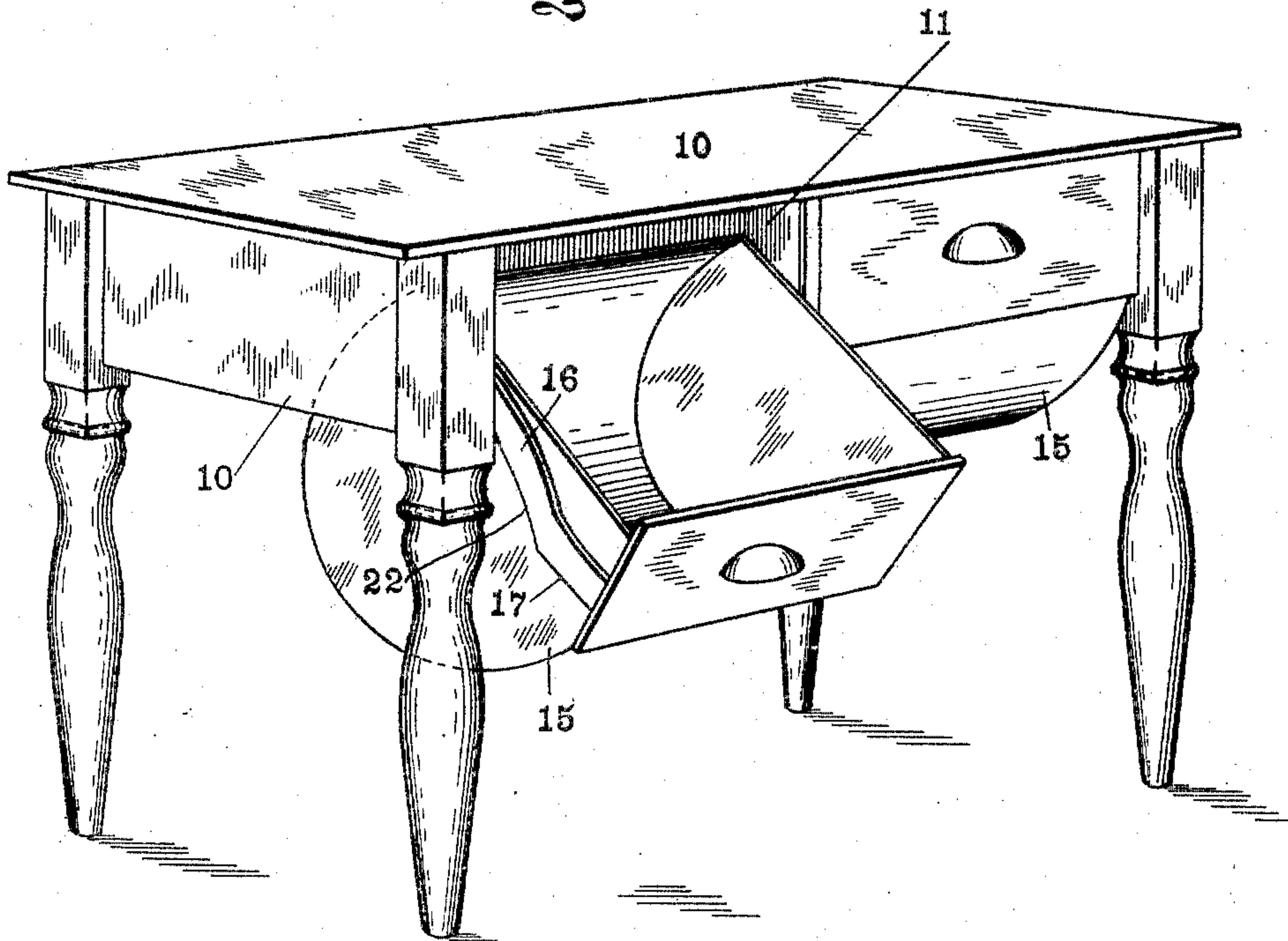


Fig. 2.

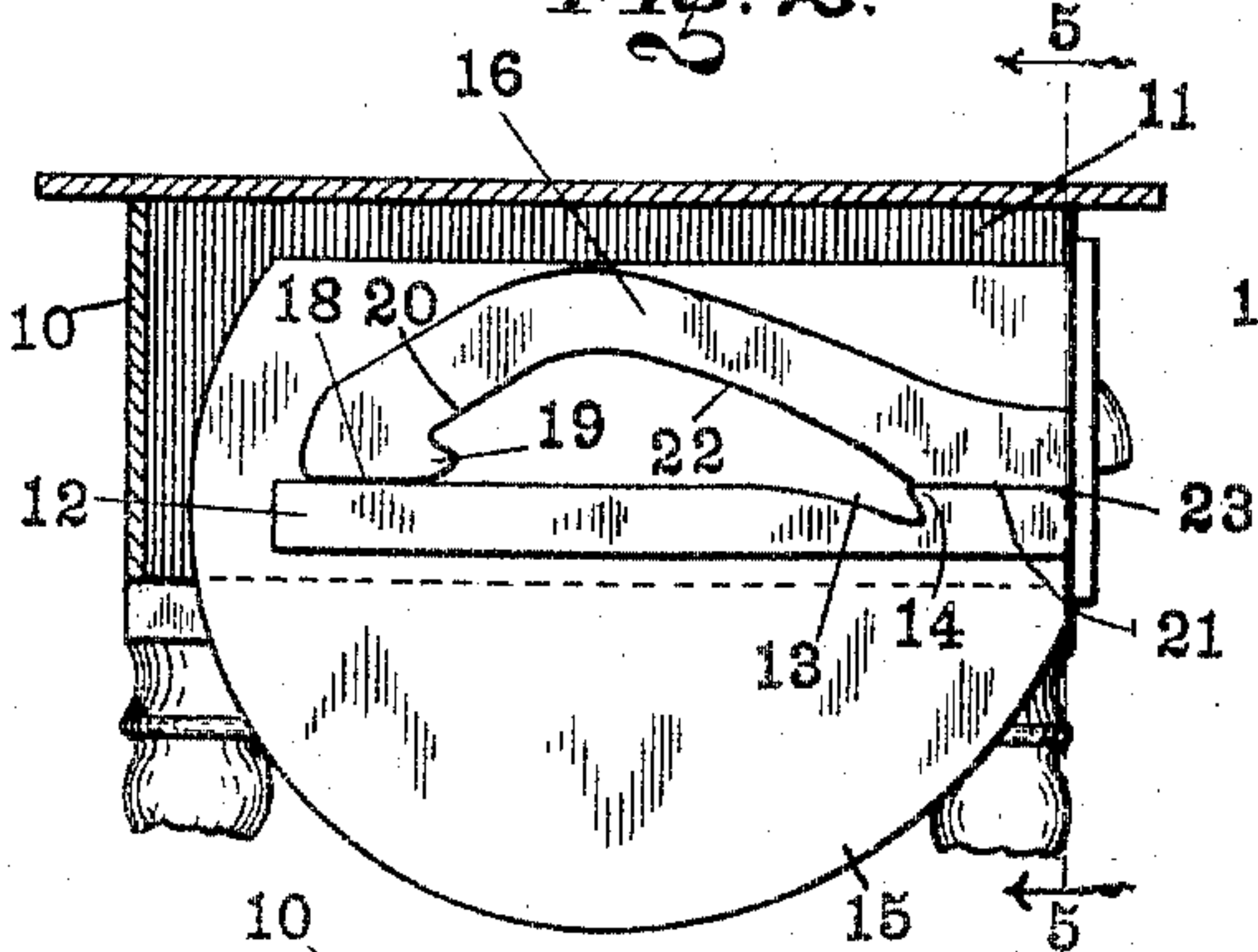


Fig. 3.

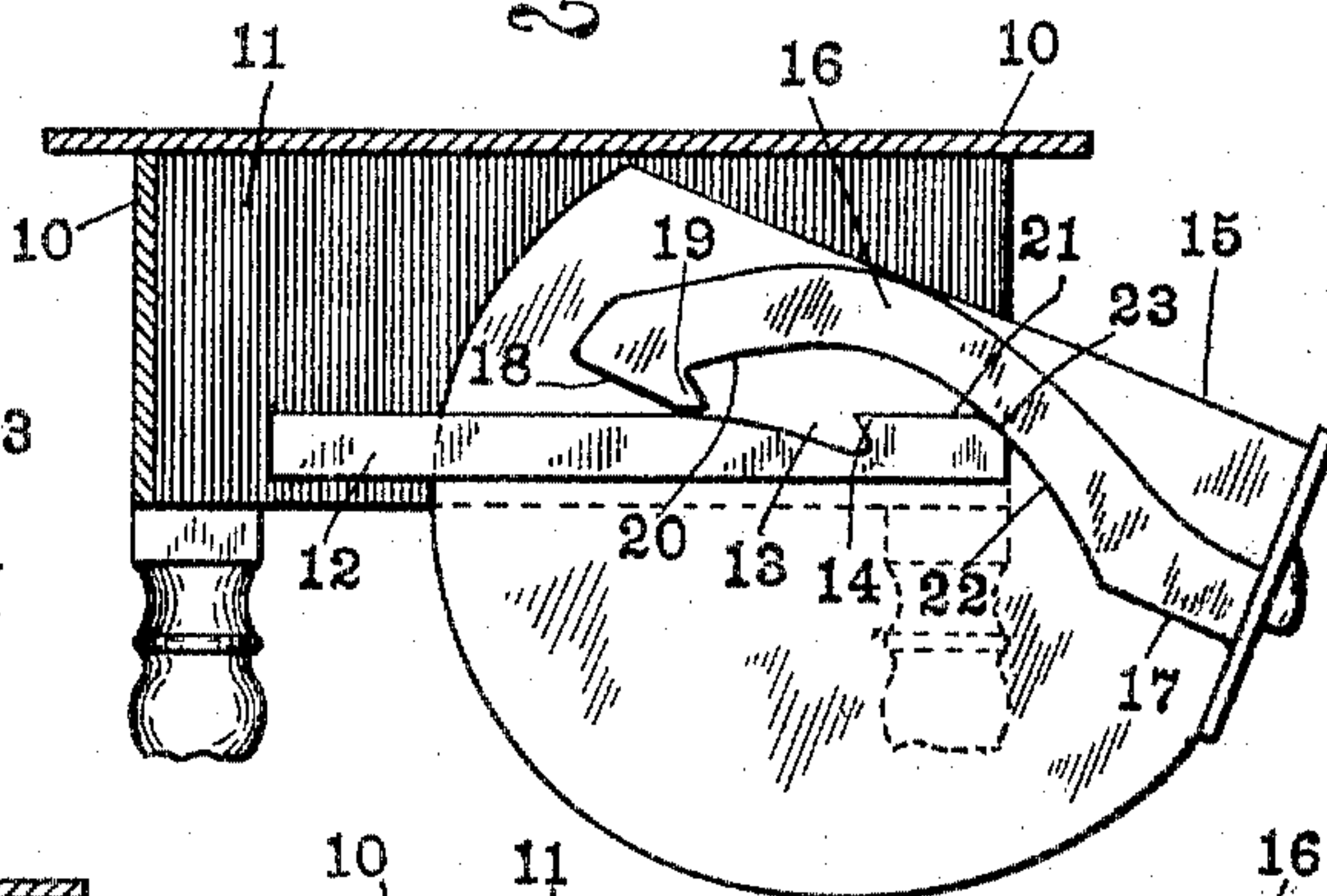


Fig. 4.

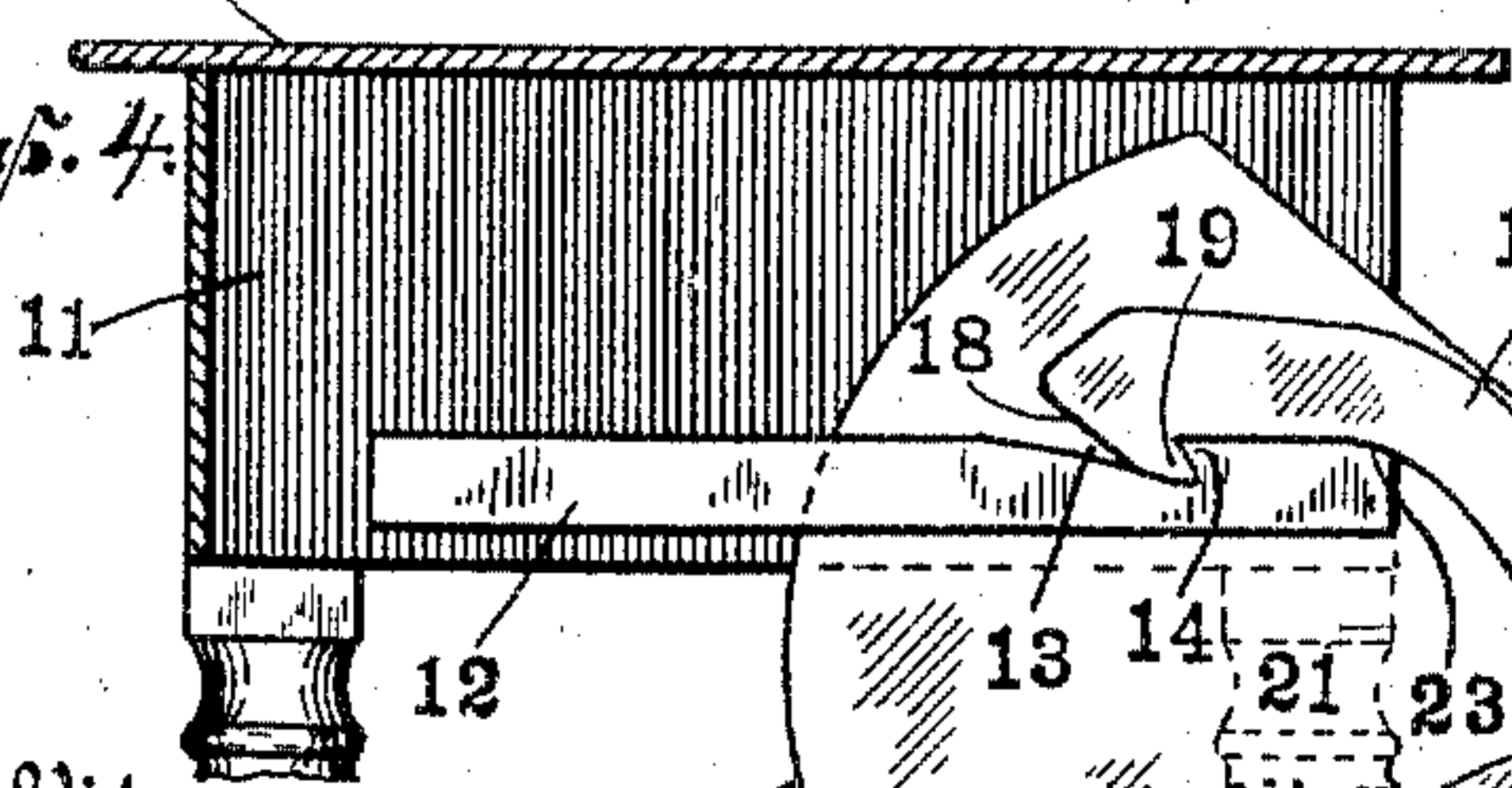
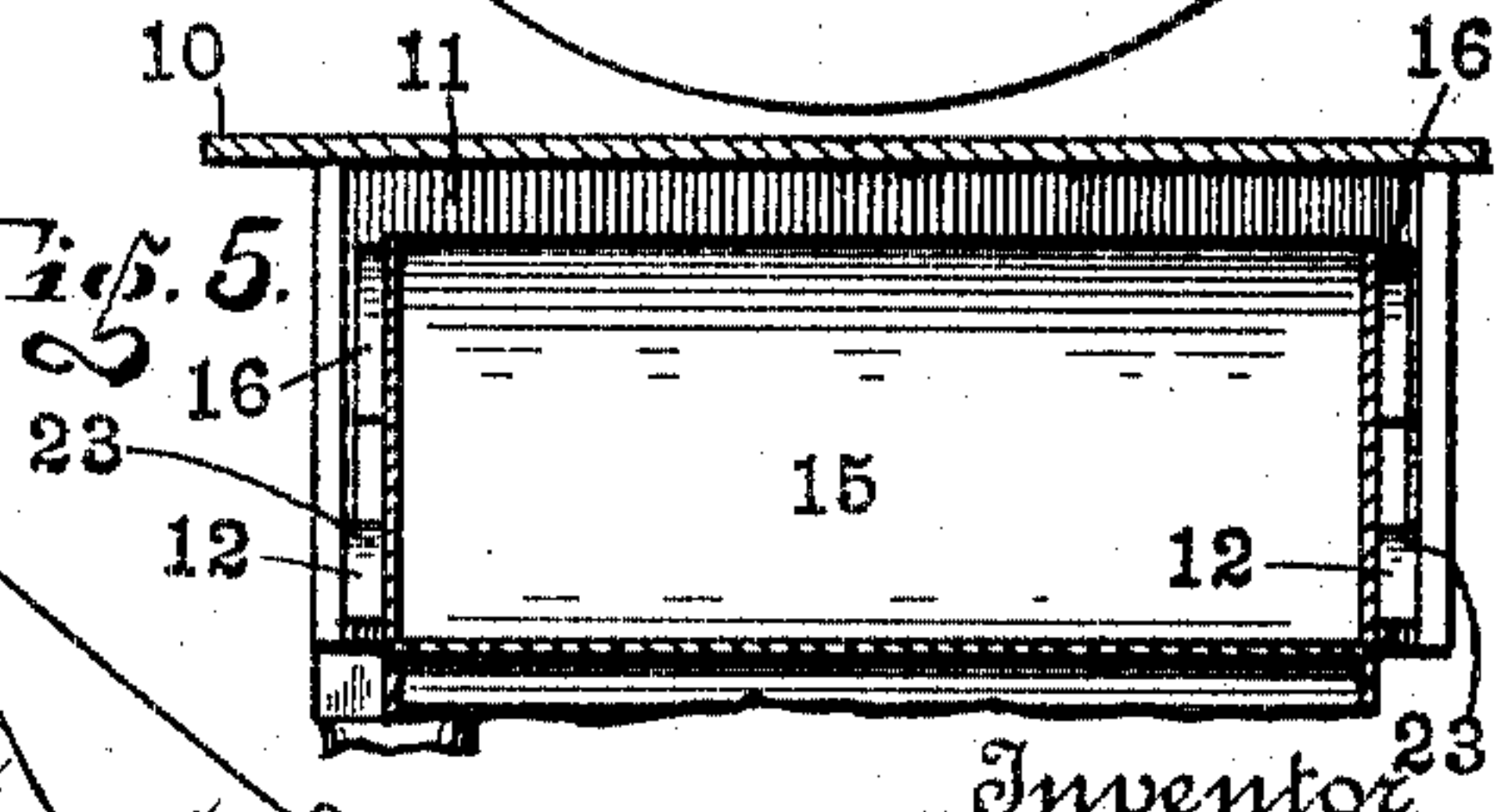


Fig. 5.



Witnesses
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UNITED STATES PATENT OFFICE.

FRANCIS I. GREENEN, OF INDIANAPOLIS, INDIANA.

DRAWER-BIN SUPPORT.

SPECIFICATION forming part of Letters Patent No. 776,736, dated December 6, 1904.

Application filed February 18, 1904. Serial No. 194,173. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS I. GREENEN, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Drawer-Bin Supports, of which the following is a specification.

The object of my invention is to provide a support for a drawer or bin of a table, which support shall be of such character that as the drawer or bin is pulled outwardly its forward end may drop downwardly, the arrangement being such, however, that the weight has two points of support at each side, so that it is not necessary for the operator to support any of the weight.

The accompanying drawings illustrate my invention.

Figure 1 is a perspective view of a table provided with two bins supported in accordance with my invention. Fig. 2 is a vertical sectional detail with the drawer closed; Fig. 3, a similar view with the drawer partially open; Fig. 4, a similar view with the drawer entirely open, and Fig. 5 is a section on line 5 5 of Fig. 2.

In the drawings, 10 indicates a suitable table frame and top provided with any number of desired drawer or bin recesses or compartments 11. Secured to the table-frame 10 at each side of each recess 11 is a supporting-ledge 12, which has formed in its upper edge a notch 13, undercut at its forward end, so as to form a rearwardly overhanging lip 14. Secured to each side of each drawer or bin 15 is a supporting flange or rib 16 to support the drawer or bin. Rib 16 is provided at opposite ends with two straight portions 17 and 18, which when the drawer is closed rest upon the upper edge of the ledge 12. Between the portions 17 and 18 the rib 16 is arched upwardly, and at the forward end of the portion 18 is formed a hook or tooth 19, adapted to fit under lip 14. Starting from the base of tooth 19 the under surface of the rib 16 inclines upwardly and forwardly to form a surface 20 substantially of the same length as the portion 21 of ledge 12, which extends from tooth 14 to the forward end of the ledge. From the upward forward end of the surface

20 the under surface of rib 16 inclines downwardly and forwardly to form the surface 22, connecting with the rear end of the surface 17. The forward edge of each ledge 20 is slightly rounded, as at 23, to form an easy bearing for the rib 16.

In operation the drawer when closed occupies the position as shown in Fig. 2, and its weight is supported by surfaces 17 and 18 of the rib 16, resting upon the upper edge of ledge 12. As the drawer is drawn outwardly it remains horizontal until the forward end of the inclined surface 22 comes to point 23. A further outward movement of the drawer allows its forward end to drop, as indicated in Fig. 3, the weight of the drawer, however, being supported by two points of contact of the rib 16 upon the ledge 12. The complete forward movement brings tooth 19 down into notch 13 and beneath the rearwardly-overhanging lip 14, thus preventing further downward movement of the forward end of the drawer. In order to close the drawer, it is merely necessary for the operator to shove inward thereon, and there is no need for the operator to lift any of the weight of the drawer.

I claim as my invention—

1. The combination, with a suitable supporting-frame having a pair of supporting- ledges each provided near its forward end with a rearwardly-overhanging lip, of a sliding drawer arranged between said ledges and provided at each side with a supporting-rib resting upon the adjacent ledge, said rib being provided at its rear end with a forwardly-projecting tooth adapted to engage beneath said rearwardly - overhanging lip, and said ledge having an intermediate concave portion extending forwardly from said tooth, and adapted to slide upon the forward end of the ledge.

2. The combination, with a suitable supporting-frame having a pair of supporting- ledges each having formed in its upper surface a notch 13 and a rearwardly-overhanging lip 14, of a sliding drawer arranged between said ledges and provided at each side with a supporting - rib resting upon the adjacent ledge, said rib being provided at its rear end

with a forwardly-projecting tooth adapted to engage beneath said rearwardly-overhanging lip, and said ledge having an intermediate concave portion extending forwardly from
5 said tooth and adapted to slide upon the forward end of the ledge.

3. The combination with a suitable supporting-frame having a pair of supporting-
ledges each having a rearwardly-overhanging
10 lip; of a bin or drawer, and a pair of supporting-ribs carried by said drawer, each of said ribs having, at its opposite ends, portions having flat surfaces, the intermediate for-

wardly-projecting tooth 19, and intermediate outwardly and forwardly, and downwardly 15 and forwardly inclined surfaces 20 and 22 connecting said tooth and the portion 17, for the purpose set forth.

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 20
15th day of February, A. D. 1904.

FRANCIS I. GREENEN. [L. s.]

Witnesses:

RUTH WORTHINGTON,
JAMES A. WALSH.