

No. 716,551.

Patented Dec. 23, 1902.

G. P. JAEKEL.
BOX OR CHEST.

(Application filed Nov. 8, 1901.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1.

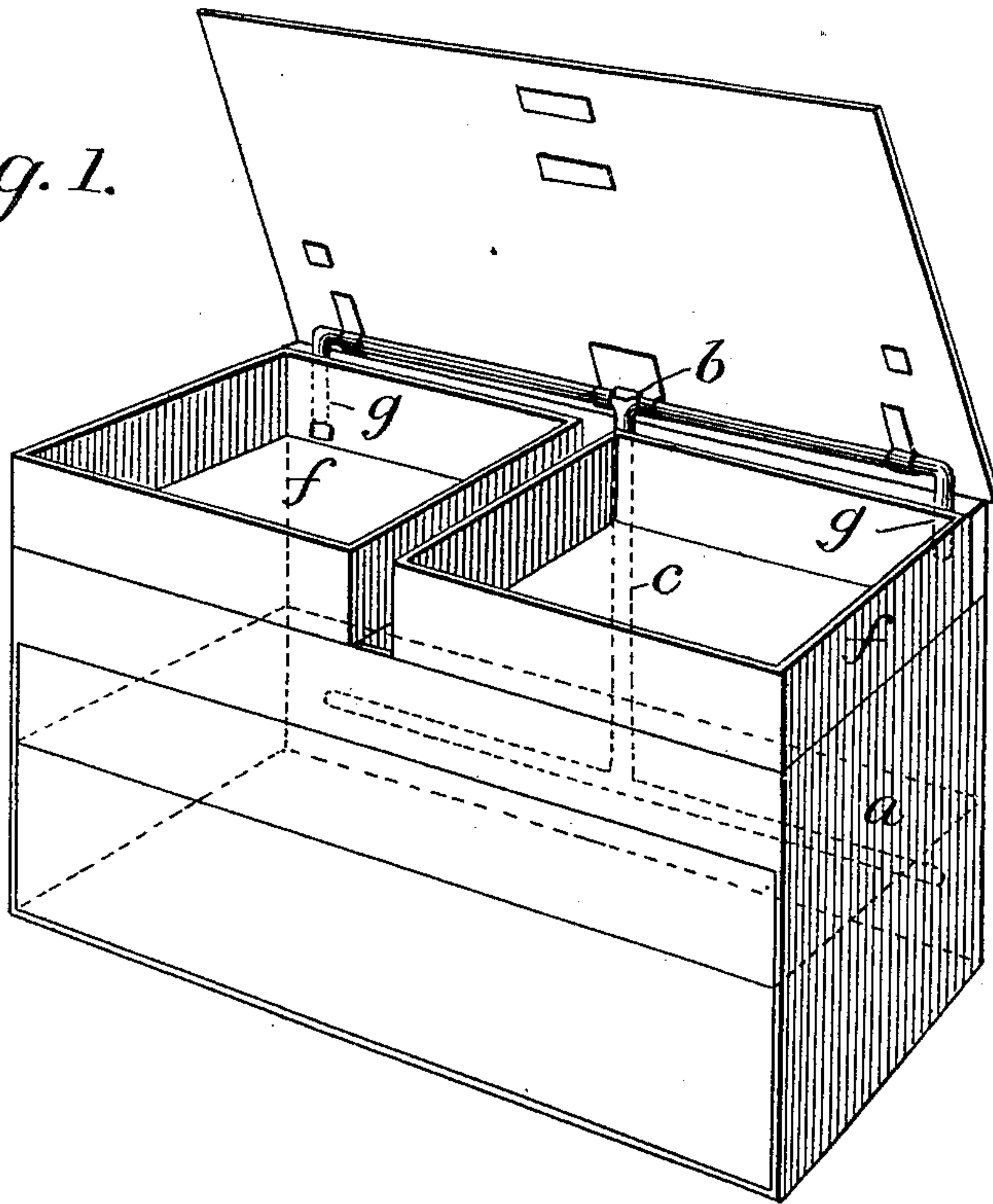
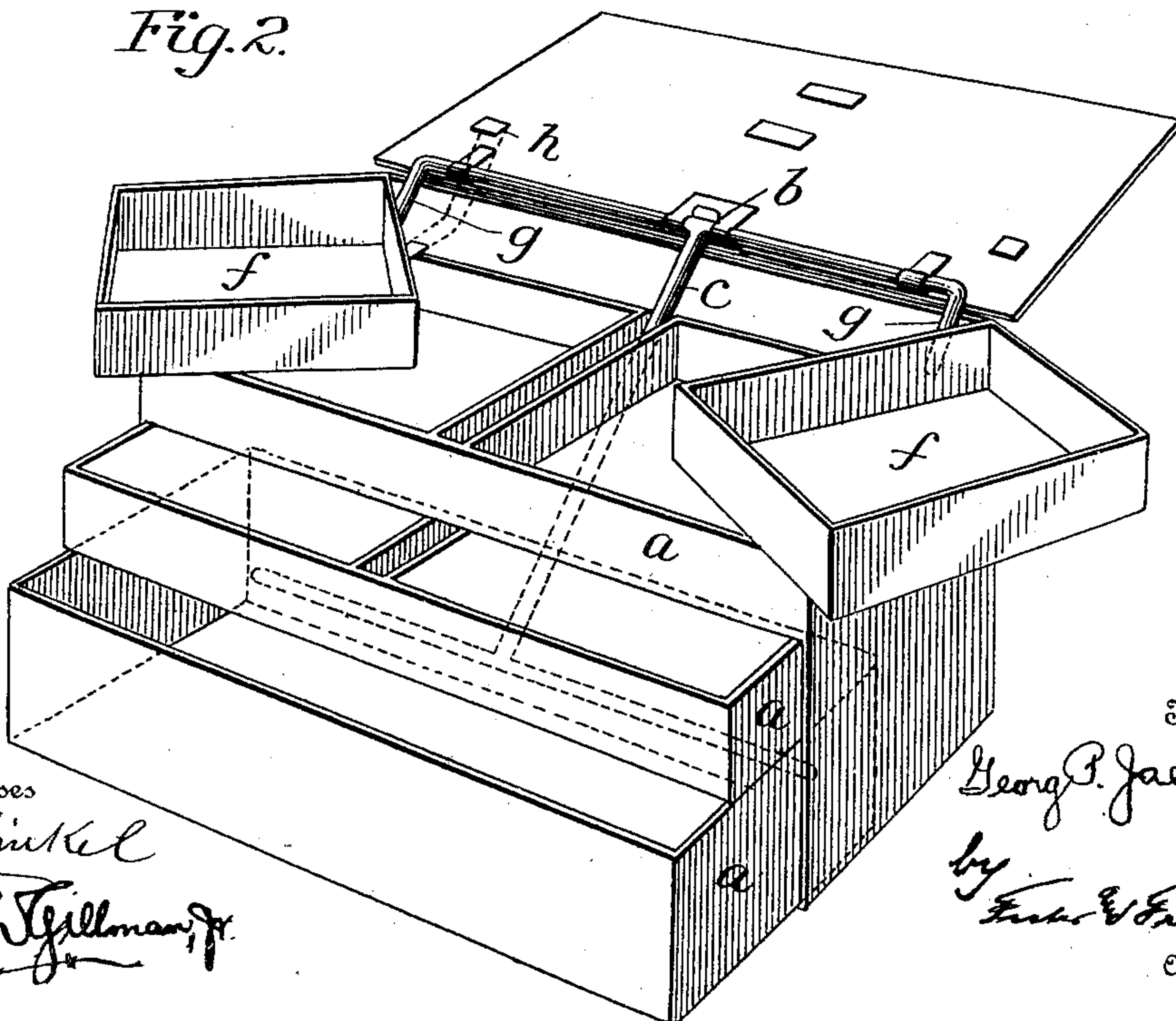


Fig. 2.



Witnesses

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Fig. 3.

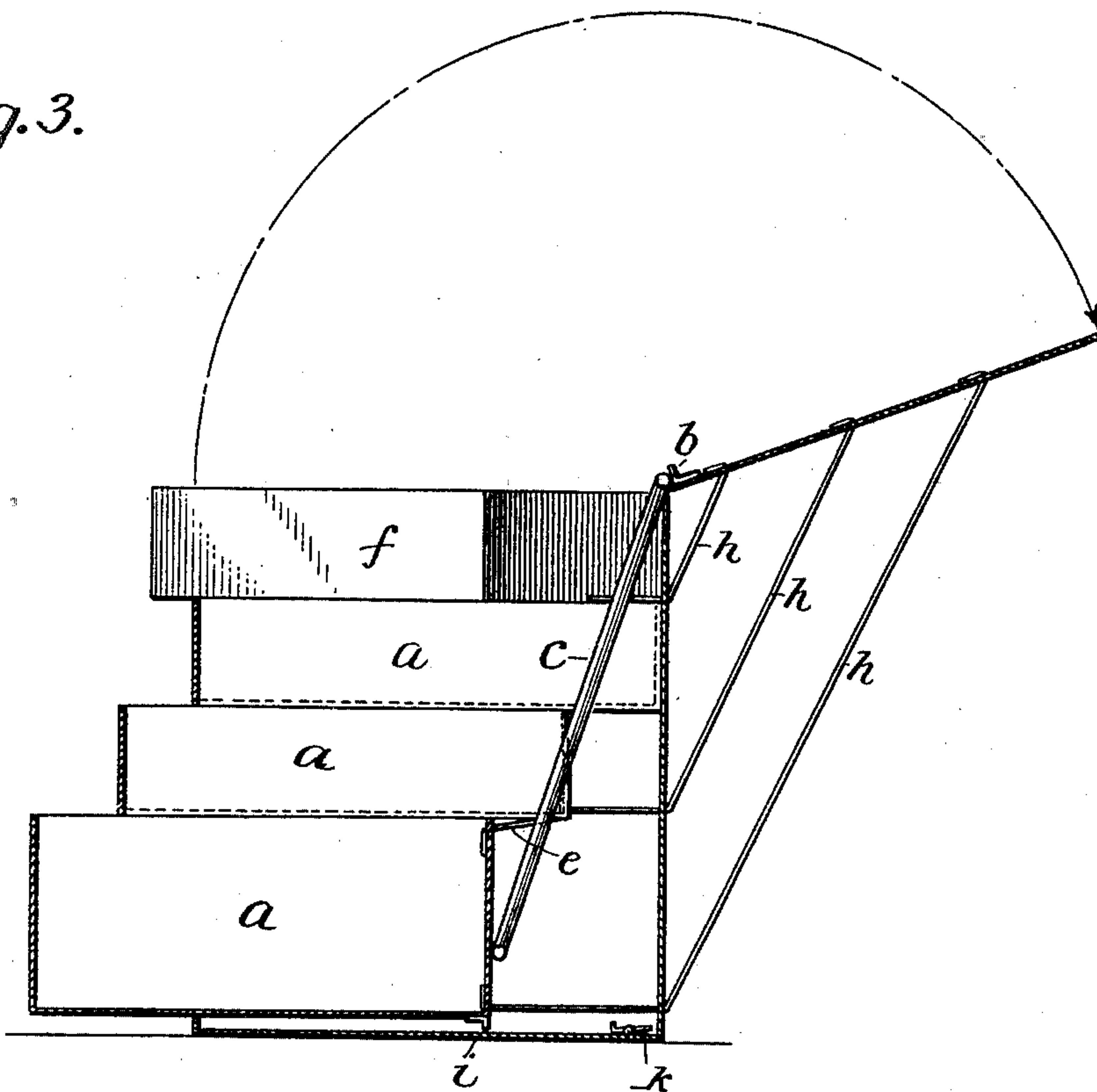
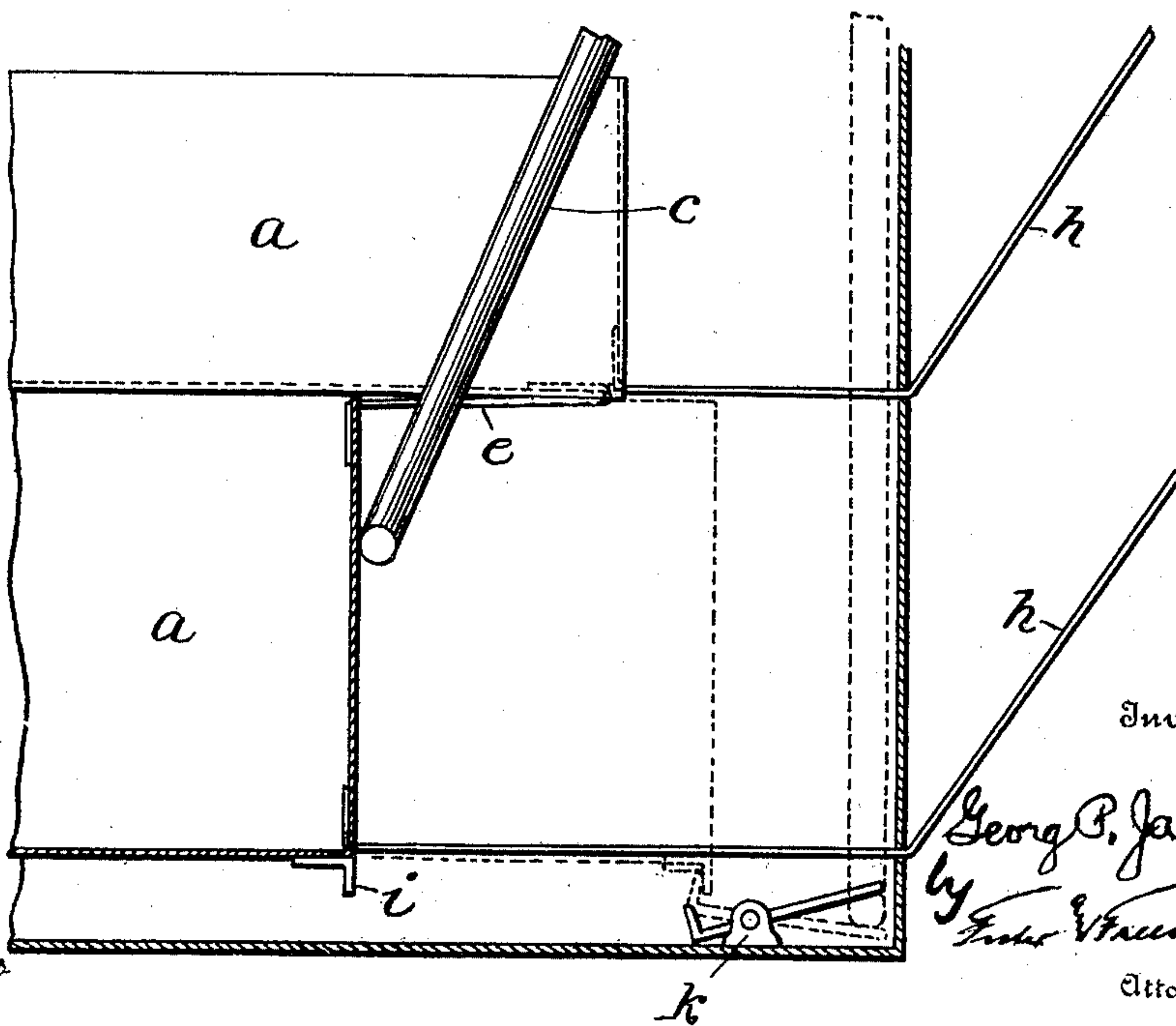


Fig. 4.



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UNITED STATES PATENT OFFICE.

GEORG PHILIPP JAEKEL, OF FRANKFORT-ON-THE-MAIN, GERMANY.

BOX OR CHEST.

SPECIFICATION forming part of Letters Patent No. 716,551, dated December 23, 1902.

Application filed November 8, 1901. Serial No. 81,643. (No model.)

To all whom it may concern.

Be it known that I, GEORG PHILIPP JAEKEL, a subject of the German Emperor, residing and having my post-office address at Lange-
5 strasse 25, Frankfort-on-the-Main, Germany, have invented certain new and useful Improvements in Boxes or Chests, of which the following is a specification.

The present invention relates to a box or
10 chest containing one or more drawers or trays, and the invention lies in the particular arrangement of the box in such a manner that when the lid is raised the drawers are automatically pushed outward or opened and when
15 the lid is closed the drawers are automatically pushed back. A box of this kind with several drawers arranged one above the other is represented in the annexed drawings, in which—

20 Figure 1 is a perspective view of the box-casing in an open condition with the drawers removed. Fig. 2 is a perspective view of the box with the drawers in an open condition. Fig. 3 is a cross-section of the box open, and
25 Fig. 4 is a partial cross-section of the box on a larger scale.

In the box the desired number of drawers
30 *a* are arranged one above the other and are movable in horizontal planes to their open and closed positions. The lid of the box is connected with a metal frame or lever *c* by means of a hinge or joint *b*. The said frame
35 *c* forms a driving-arm which is moved forward by the lid when the latter is opened and pushes the lowermost drawer out of the box-casing, which is open in front. The
40 drawer next above said lowermost one is connected with the latter by a band *e*, Figs. 3 and 4, and a similar band connects the second drawer and the third and so on. By this means each drawer moves with it the drawer immediately above, and in the end all the
45 drawers project in the form of steps and expose their contents to view.

For the purpose of returning the drawers,
50 &c., to their original positions when the lid is let down the rear ends of the drawers, &c., are connected by bands *h* with the outer side of the lid. On the latter being moved downward the bands are pulled and move the drawers back to their closed positions.

The arrangement can of course also be made

in such a manner that more than one drawer is placed in each horizontal division of the box, so that each compartment consists of
55 several drawers, all of which are, however, moved forward and backward by means of the lid. If the drawer in the uppermost division is vertically divided into two independent compartments *f f*, Figs. 1 and 2, the latter
60 may instead of being arranged to be pushed forward be pivoted to the lateral edges of the box, and the lid may be provided with levers *g* in addition to the main lever *c*, pushing out the lower boxes, said levers *g* causing the
65 upper compartments to be swung out to the right and left, respectively. These compartments are also connected with the lid by bands *h*, by means of which they are returned to their closed positions.

70 It might occur that the band connecting the undermost drawer with the lid is broken or cut, whereupon the said drawer would be loose and might fall out of the box. To prevent this, a fixed hook *i*, Figs. 3 and 4, may
75 be provided at the rear of the bottom of said drawer, and at the bottom of the box a lever *k*, formed as a hook at one end, may be arranged in such a manner that when the lid is closed the free end of said lever *k* is struck
80 by the frame or lever *c*, so that the said free end is depressed and the hooked end elevated, as indicated by dotted lines in Fig. 4. The hook of the lever *k* then engages the
85 hook *i* and holds the drawer fast even if the band of the latter should be broken or cut.

The bands *h*, connecting the lid with the various drawers, may be dispensed with and the lever *c* pivotally connected with the lowermost drawer, a flat angle-iron or the like, *l*,
90 being arranged at the top, Fig. 3, to push the lever *c* back when the lid is closed.

I declare that what I claim is—

1. The combination with a box or chest casing having a hinged lid, and drawers or trays
95 adapted to be opened and closed by the movement of said lid, of a frame or lever attached at one end to said lid and adapted to push the lowermost drawer forward on the lid being opened, means for connecting each of said
100 drawers with the drawer next above and means for returning each drawer to closed position on the lid being closed substantially as described.

2. The combination with a box or chest casing having a hinged lid and drawers or trays *a* adapted to be opened and closed by the movement of said lid, of a frame or lever *c* 5 revolubly attached at one end to said lid and adapted to push the lowermost drawer forward on the lid being opened, bands *e* connecting each of said drawers with the drawer next above, bands *h* connected with each of 10 said drawers and with the lid for returning the drawers to closed position on the lid being closed and means for preventing the drawers from falling out in the event of breakage of the band *h* substantially as described.

15 3. The combination with a box or chest casing having a hinged lid and drawers or trays *a* adapted to be opened and closed by the movement of said lid, of a frame or lever *c* revolubly attached at one end to said lid and 20 adapted to push the lowermost drawer forward on the lid being opened, bands *e* connecting each of said drawers with the drawer next above, bands *h* connected with the rear end of each of said drawers and with the outer 25 side of the lid for returning the drawers to closed position on the lid being closed, a hook *i* attached to the lowermost drawer and a pivoted lever *k* having a hooked end operated by the lever or frame *c* and adapted to engage said hook *i* for preventing the lower 30 gage said hook *i* for preventing the lower

drawer from falling out in the event of breakage of the band *h* substantially as described.

4. The combination with a box or chest casing having a hinged lid and drawers or trays *a* adapted to be opened and closed by the 35 movement of said lid, of a frame or lever *c* revolubly attached at one end to said lid and adapted to push the lowermost drawer forward on the lid being opened, bands *e* connecting certain of said drawers with the 40 drawer next above, bands *h* connected with the rear end of each of said drawers and with the outer side of the lid for returning the drawers to closed position on the lid being 45 closed, upper drawers or trays hinged to the casing, levers *g* connected to the lid for operating said latter drawers, a hook *i* attached to the lowermost drawer and a pivoted lever *k* having a hooked end, operated by the lever 50 or frame *c* and adapted to engage said hook *i* for preventing the lower drawer from falling out in the event of breakage of the band *h* substantially as described.

In testimony whereof I have signed my name to this specification in the presence of 55 two subscribing witnesses.

GEORG PHILIPP JAEKEL.

Witnesses:

FRANZ HASSLACHER,
MICHAEL VOLK.