

G. F. JOYCE.
DRAWER FOR FURNITURE.

No. 102,826.

Fig. 2. Patented May 10, 1870.

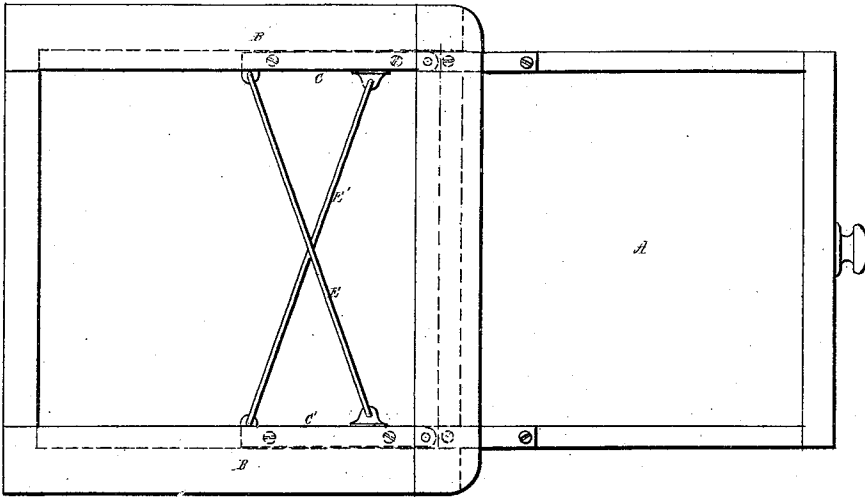


Fig. 3.

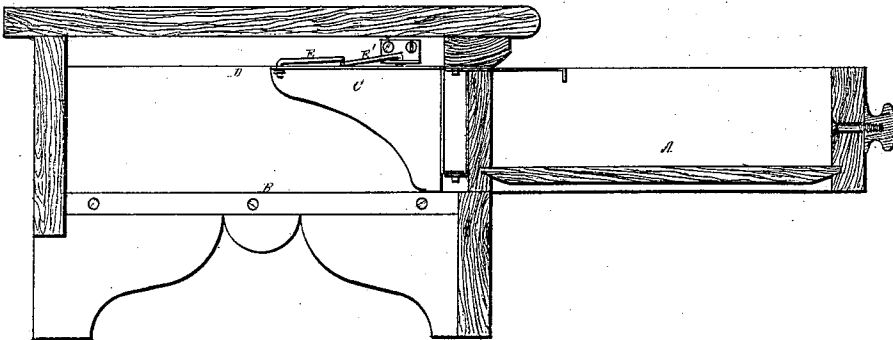
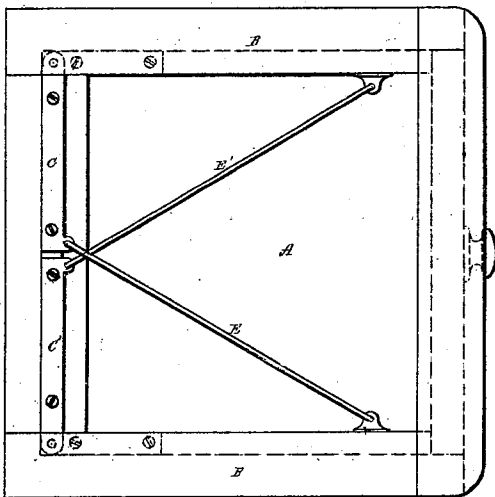


Fig. 7.



Witnesses
S. N. Piper
L. N. Milled

Geo. F. Joyce
by his attorney
R. M. Ledy

United States Patent Office.

GEORGE F. JOYCE, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 102,826, dated May 10, 1870.

IMPROVED DRAWER FOR FURNITURE.

The Schedules referred to in these Letters Patent and making part of the same.

To all persons to whom these presents may come:

Be it known that I, GEORGE F. JOYCE, of Boston, in the county of Suffolk and State of Massachusetts, have made a new and useful invention having reference to Drawers for Furniture; and do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 denotes a top view of a drawer and its case provided with my invention, the drawer being exhibited as closed.

Figure 2 is a similar view of the parts as they appear when the drawer is open.

Figure 3 is a longitudinal section of the drawer and case.

The drawer is to be supposed to be supported in its case by side grooves in the usual manner, so as to be capable of being slid into or drawn out from the case.

In carrying out my invention, (whose purpose is to support the drawer A when pulled nearly if not entirely out of its case B,) I pivot or hinge to the drawer A, at one of its rear corners, an arm, C, to extend, when the drawer is open or drawn, nearly if not entirely out of its case underneath, and bear against the upper edge of the next adjacent side-groove, D, for supporting and guiding the drawer; and, furthermore, I pivot to such arm, at or near its outer extremity, one end of a rod, E, whose opposite end I also pivot to the frame or case, the pivot of this last-mentioned end being so arranged as to cause the rod, when the drawer is fully open, to maintain the arm within the groove of the case, and also, when the drawer is closed, to maintain the arm folded against the rear end or back part of the drawer.

The arm, during the movement of the drawer into the case, will be turned through an arc of one-fourth of a circle.

I usually apply one of such arms to each of the rear corners of the drawer, and provide each of the said arms and the case with a governing or controlling rod,

as described. The drawings exhibit two such arms, and two such rods applied to the drawing, the auxiliary arm being shown at C', and its rod at E'.

The two controlling rods E E' are so arranged obliquely to the case and drawer that such rods cross one another in any position of the drawer, whether it be either fully open or fully closed, or partially open.

When two arms and two rods are used, arranged as represented, the arms serve not only as supports for the drawer when it is fully open, but the arms and rods serve to centralize the drawer with respect to the case, during a movement of the drawer either inward or outward, relatively to the case. In other words, they operate to maintain the drawer in parallelism with the opposite sides of the opening for its reception, and thereby prevent the drawer from binding or rubbing against either of such sides, causing it, when in movement, to slide easily into or out of the case.

I am aware that slides have been applied to a drawer and its case, such slides, when the drawer was open, being extended into grooves in the drawer and case. Therefore, I make no claim to such devices, which differ materially, in both their arrangement and operation, from my invention.

I claim—

The arm C and its controlling rod E, applied to and arranged with a drawer A and its case B, in manner and so as to operate therewith, substantially as specified.

Also, the two arms C C' and their controlling rods E E', applied to a drawer and its case, and arranged relatively to each other and with the drawer and case, in manner and so as to operate substantially as hereinbefore described, and as represented in the accompanying drawings.

GEO. F. JOYCE.

Witnesses:

R. H. EDDY,
J. R. SNOW.