(No Model.)

E. F. WALLER.

FURNITURE DRAWER.

No. 423,196. Patented Mar. 11, 1890.

Fig. 1.

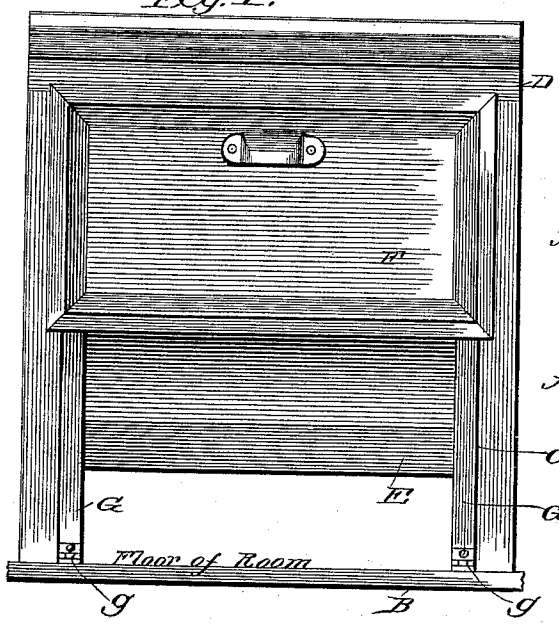


Fig. 2.

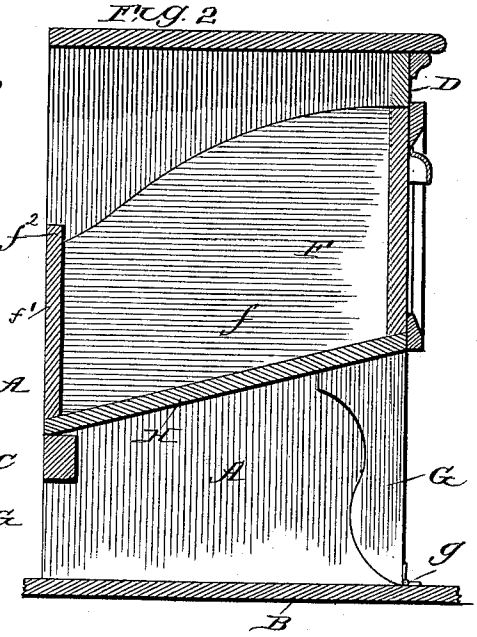


Fig. 3.

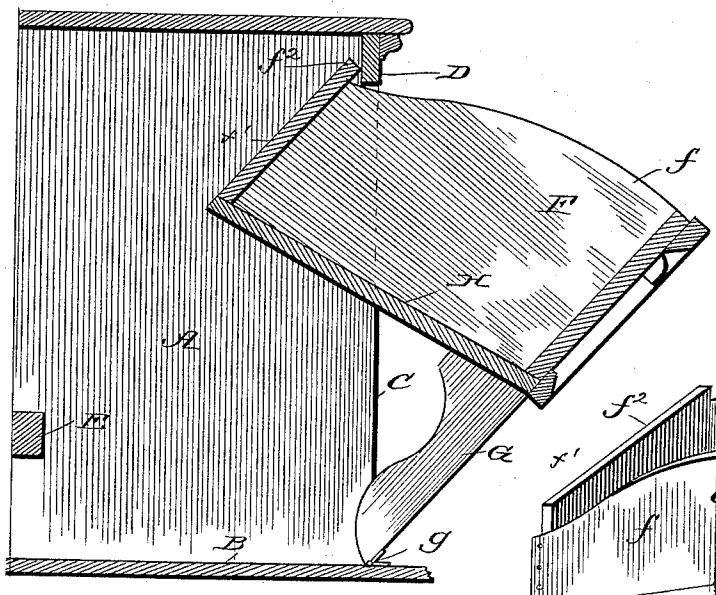
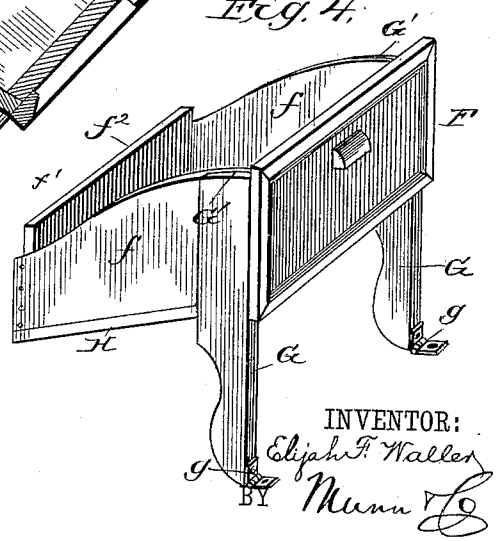


Fig. 4.



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UNITED STATES PATENT OFFICE.

ELIJAH FRANK WALLER, OF HANSON, KENTUCKY.

FURNITURE-DRAWER.

SPECIFICATION forming part of Letters Patent No. 423,196, dated March 11, 1890.

Application filed December 17, 1888. Serial No. 293,874. (No model.)

To all whom it may concern:

Be it known that I, ELIJAH FRANK WALLER, of Hanson, in the county of Hopkins and State of Kentucky, have invented a new and useful Improvement in Furniture-Drawers, of which the following is a specification.

My invention is an improvement in tilting drawers; and the invention consists in certain novel constructions and combinations of parts, as will be hereinafter described and claimed.

In the drawings, Figure 1 is a front view of my improvement, the drawer being closed. Fig. 2 is a vertical cross-section thereof, the drawer being closed. Fig. 3 is a similar section, the drawer being open; and Fig. 4 is a detail view of the drawer.

The frame A may be part of a counter, the base portion of a row of shelves, or other article or fixture, as may be desired, and the base B may be a part of the said article or the floor of a store, library, office, or other room in which it is desired to use the improvement.

The frame A has an opening or recess C for the drawer, and is provided at the front of the upper end of such recess with a depending strip or ledge D. At the rear edge of recess C, I provide a cross-bar E, which extends between the opposite side walls of the recess, as shown. I arrange this cross-bar E so it will be in position to support the rear edge of the drawer F when the latter is closed, as will be understood from Figs. 1 and 2.

The drawer or bin F is provided at its opposite sides, close to its front, with depending legs G, which are lapped at their upper ends against and secured to the opposite sides of the drawer, thus serving to brace and strengthen the same, and the said legs G are pivotally supported or hinged at their lower ends, so that the drawer or bin may be tilted forward out of or back into the frame or case A, as may be desired. It will be noticed that the legs G are narrow and do not extend to the rear side of the drawer F, so that the latter is unobstructed at the side edges of its bottom at the rear of the said drawer, so the drawer is free to rest at its rear edge upon the cross-bar E and be firmly supported thereby. It will be seen that this construction is important, inasmuch as it provides a simple, firm, strong support for the drawer and avoids the necessity of a back for the casing of framing A.

I make the bottom H of the drawer F inclined downward from front to rear, as by such means I apportion the inclination of the bottom between the open and closed position of the drawer to such extent as to prevent any considerable displacement of the articles therein.

In hinging the lower end of the legs G it is preferred to provide strap-hinges *g*, one strap of which is secured to the base B and the other strap to the edge of the leg G at the lower end of the latter. It will be seen that this hinge not only effects a pivoting of the leg to base B, but also operates to positively connect such parts. It will be noticed that the hinge is secured to the front edge of the legs G, and that the opposite or rear edges of such legs taper down approximately to a point. The purpose of this construction is to avoid the provision of any part under which articles may be caught to clog the movement of the device and prevent the closing of the drawer.

It will be understood that the drawer is so arranged and supported that it will remain either open or closed when so adjusted.

Having thus described my invention, what I claim as new is—

1. The improvement in furniture-drawers, substantially as herein described and shown, consisting of the case or frame adapted to receive the drawer and provided at its rear side with a cross-bar E, the drawer F, provided at its opposite sides with depending legs G, pivotally supported at their lower ends, the under side of the drawer F being unobstructed at its rear edge and arranged at such end to rest upon the cross-bar E when the drawer is closed, substantially as set forth.

2. The herein-described improvement in furniture-drawers, which consists of the case or frame having at its rear side a cross-bar E, the drawer F, having the under side of its bottom unobstructed from side to side and arranged in the closed position of the drawer

to rest at its rear side upon the cross-bar E, the legs G, secured at their upper ends to the opposite sides of the drawer and tapered on one edge approximately to a point at their lower ends, and the hinges *g*, having one strap secured to the other or straight edge of the legs and their other straps secured to the base B, all substantially as described, and for the purposes set forth.

ELIJAH FRANK WALLER.

Witnesses:
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ROBT. L. HEWLETT.