

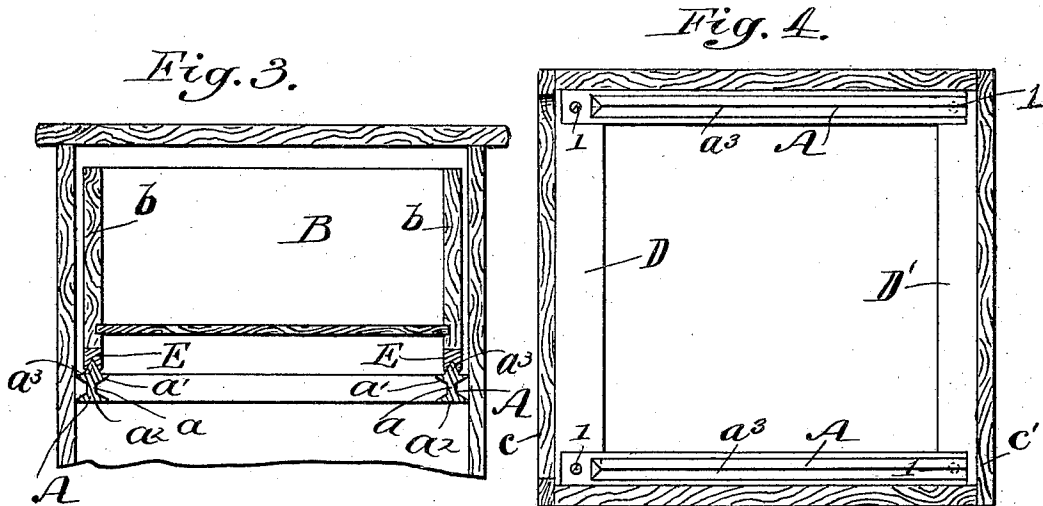
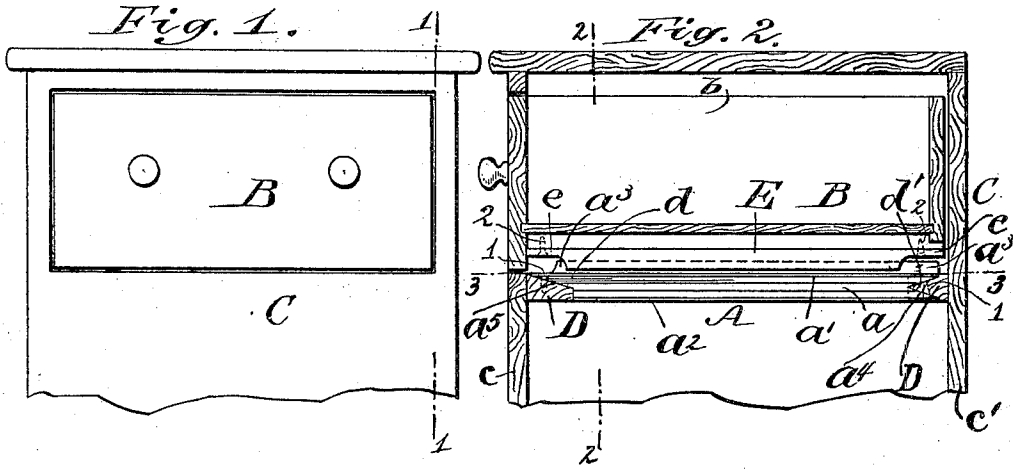
No. 689,095.

Patented Dec. 17, 1901.

D. M. KINNEAR & W. W. JONAH.
GUIDE FOR BUREAU OR OTHER DRAWERS.

(Application filed Jan. 2, 1901.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

DUKE MARLBOROUGH KINNEAR AND WILLIAM WELSLEY JONAH, OF
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GUIDE FOR BUREAU OR OTHER DRAWERS.

SPECIFICATION forming part of Letters Patent No. 689,095, dated December 17, 1901.

Application filed January 2, 1901. Serial No. 41,781. (No model.)

To all whom it may concern:

Be it known that we, DUKE MARLBOROUGH KINNEAR and WILLIAM WELSLEY JONAH, citizens of the United States, and residents of Clinton, county of Worcester, and State of Massachusetts, have invented certain new and useful Improvements in Guides for Bureau or other Drawers, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar characters of reference indicate corresponding parts in all the figures.

This invention relates to improvements in guides for bureau and other drawers; and the object thereof is to provide an efficient means for supporting and guiding drawers, whereby they will move freely and evenly back and forth with the expenditure of but little force and always upon a straight line, thus obviating liability of having the drawers hitch and catch in their bearings when they are heavily laden or when they are pulled from one side.

Another object is to strengthen the structure carrying the drawers and prevent warping of the woodwork.

The invention will be hereinafter fully described, and specifically set forth in the annexed claim.

In the accompanying drawings, forming part of this specification, Figure 1 is a front elevation of the upper part of a cabinet having our improvements forming part thereof; Fig. 2, a vertical sectional elevation on the line 1 1 of Fig. 1; Fig. 3, a cross-sectional elevation taken on the line 2 2 of Fig. 2, and Fig. 4 a sectional plan view taken on the line 3 3 of Fig. 2.

In the practice of our invention we employ, primarily, longitudinal rails A, which are composed of metal and extend from front to rear within the cabinet, as C, along the side walls thereof, and beneath the lower edges of the side walls *b* of the drawer B. These rails respectively embody a stem *a*, a top flange *a'*, a bottom flange *a²*, and a V-shaped bearing-surface *a³*.

As a means for supporting the rails A we employ front and rear cross-beams D and D',

which are secured, respectively, to the front and rear walls *c* and *c'* of the cabinet C.

Each rail A is provided at its inner end with a V-shaped groove *a⁴*, which engages a tapered portion *d'* of the rear beam D', and at its forward end with a beveled portion *a⁵*, which engages a corresponding bevel *d* of the front beam D, and these rails are secured to the said beams at their respective ends by means of screws 1, whereby a strong structure is provided which prevents warping of the wooden structure and supplies an efficient support for the drawer.

Secured to the bottom edge of each side of the drawer is a slide E, which has a V-shaped groove to engage the bearing-surface *a³* of the rails A, and these slides are respectively supplied at their ends with flanges *e*, which are secured to the side walls of the drawer by means of screws 2.

The advantages of this construction are obvious. The drawer slides upon its bearings in a perfectly true and even manner, and no matter how heavily it is weighted it can be readily moved back and forth without liability of hitching.

We do not confine ourselves to the specific details of mere mechanical construction and contour of the parts as herein shown and described, as it is obvious that under the scope of our invention we are entitled to slight structural variations.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

In a guide for drawers, the combination, of the flange *a'*, formed with the V-shaped top *a³*, the flange *a²*; and the neck *a*, between said flanges, connecting them through their whole length, and together with said flanges forming the guide-rails for a drawer; one beveled end, and one grooved end on each rail; and side bars adapted to engage said beveled end, and said grooved end, and to support said guide-rails and also, together with the said guide-rails to form a firm and unyielding support for the structure, wherein said drawer is mounted, to prevent it from springing and warping; of a grooved slide E, formed with flanges *e*, and adapted to en-

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gage the V-shaped top a^3 , of said guide-rail, and a drawer, on the lower edge of the side walls of which said grooved slide is fastened, and arranged to move on the said V-shaped
5 top of said guide-rail; all substantially as and for the purpose set forth.

In testimony that we claim the foregoing as our invention we have signed our names,

in the presence of two witnesses, this 15th day of December, 1900.

DUKE MARLBOROUGH KINNEAR.
WILLIAM WELSLEY JONAH.

Witnesses:

AMOS T. SAUNDERS,
ERNEST JONAH.