No. 715,681. Patented Dec. 9, 1902.

# J. T. MOYER.

## DRAWER ATTACHMENT.

(Application filed Sept. 1, 1900.)

(No Model.)

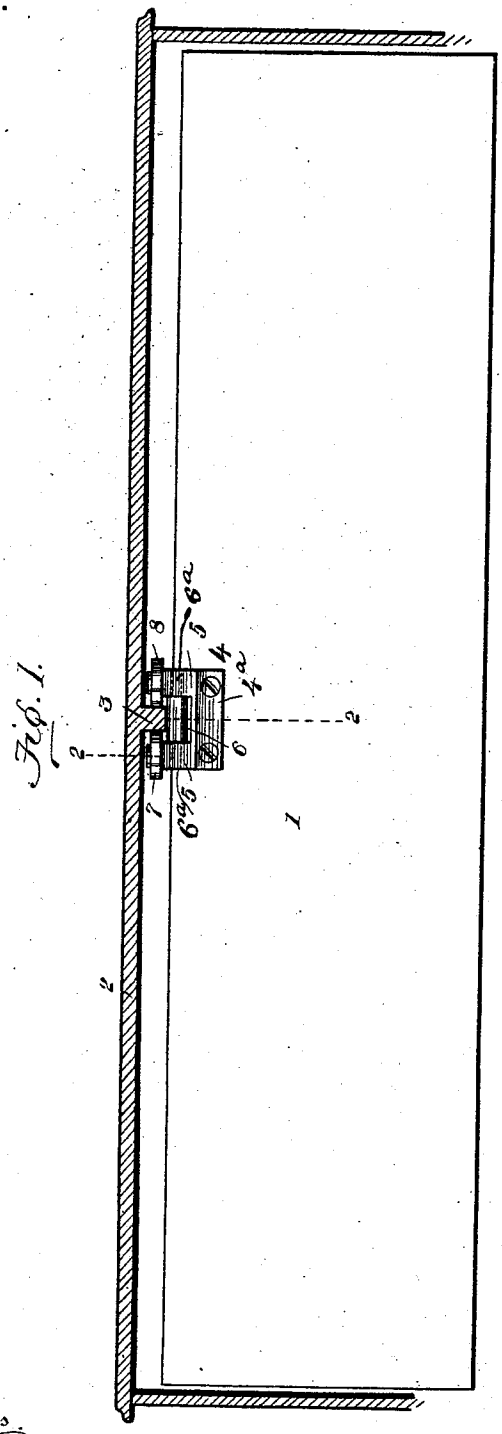



Fig. 1.

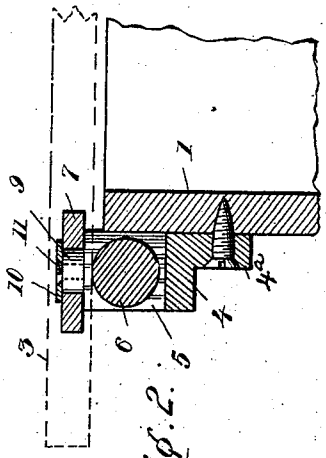



Fig. 2.

Witnesses
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# UNITED STATES PATENT OFFICE.

JACOB T. MOYER, OF MILFORD SQUARE, PENNSYLVANIA.

## DRAWER ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 715,681, dated December 9, 1902.

Application filed September 1, 1900. Serial No. 28,821. (No model.)

*To all whom it may concern:*

Be it known that I, JACOB T. MOYER, a citizen of the United States, residing at Milford Square, in the county of Bucks and State of Pennsylvania, have invented new and useful Improvements in Drawer Attachments, of which the following is a specification.

My invention relates to drawer-guides for furniture, the object being to provide a device of this character which will effectually prevent the drawer from binding when being drawn or pushed inward.

The construction of the improvement will be fully described hereinafter in connection with the accompanying drawings, which form a part of this specification, and its novel features will be defined in the appended claim.

In the drawings, Figure 1 is a rear elevation of the drawer with the casing thereof in section. Fig. 2 is a section on the line 2 2 of Fig. 1.

The reference-numeral 1 designates the inner end of a drawer, and 2 the frame of the bureau or other article of furniture of which the drawer forms a part. The frame 2 is provided midway of its width with a depending rib or tongue 3.

4 designates a bracket having a depending flange $4^a$ secured to the drawer 1 centrally of its width on the inner end thereof and having parallel upwardly-projecting cheek-plates or ears 5, which are formed with bearings to receive the journals $6^a$ of an antifriction-roller 6, adapted to bear upwardly against the rib or tongue.

7 and 8 designate horizontally-disposed antifriction-wheels surmounting the roller and bearing directly on the sides of the tongue, between which the rib or tongue 3 extends. The upper ends of the ears 5 are reduced to form upwardly-projecting journals 9, which serve as bearings for the wheels 7 and 8, the latter being secured in position upon the journals 9 by washers 10 and screws 11.

I wish it to be understood that I make the lugs of the bracket enlarged or swelled, so as to project over the front of the flange $4^a$ and be at right angles therewith. By this means the ends of the roller proper, 6, are inclosed within the inner side walls of said lugs, whereby I am enabled to use a large roller for the bottom surface of the rib 3, as much weight is brought to bear upon the said roller when the drawer contains various articles therein. I wish it to be further understood that by securing disks or washers to the upper ends of the journals 9 of the lugs the antifriction-rollers 7 and 8 are held down to their normal positions when rotated, so as to prevent them from having a rocking movement when the opposite side portions of the ribs 3 bear against the same when the drawer is operated.

The utility of the improvement constructed as above described will be readily understood. The lateral sway or movement of a drawer in being pushed inward or drawn outward causes it to bind or stick, and it will be apparent that if a drawer is caused to move in a true horizontal plane such binding will be avoided. The contact of the antifriction-wheels 7 and 8 with the opposite sides of the rib or tongue 3 confines the drawer to a straight horizontal path and effectually prevents its swaying from side to side, thus insuring a free movement of the drawer in either direction.

It will be apparent that a single attachment constructed as above described will suffice to guide the movement of a drawer, thus providing a simple and inexpensive means for effecting the purpose in view.

I claim—

A drawer-guide comprising a casing to receive a drawer, a rib centrally arranged upon the upper inner surface of said casing, a drawer having a flanged bracket secured to the inner end thereof with vertical spaced lugs projecting upwardly therefrom and overhanging the same and formed at right angles with said flange, bearings centrally arranged in said lugs, and journals on the upper portions thereof, of a roller mounted in the space between the lugs and having spindles to coact with the said bearings, the ends of the roller proper being inclosed within the inner side walls of the lugs with the bottom surface of the rib resting thereon, and rollers on the said journals at the upper ends of the lugs to coact with the opposite sides of the ribs, and the washers secured on the journals above the rollers whereby to hold the same in a normal position on the journals when rotated by said sides of said rib, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

JACOB T. MOYER.

Witnesses:

HENRY L. JACOBY,

DAVID W. AHLUM.