

No. 858,420.

PATENTED JULY 2, 1907.

P. SCHNEIDER.
DRAWER GUIDE.

APPLICATION FILED DEC. 19, 1906.

2 SHEETS—SHEET 1.

Fig. 1.

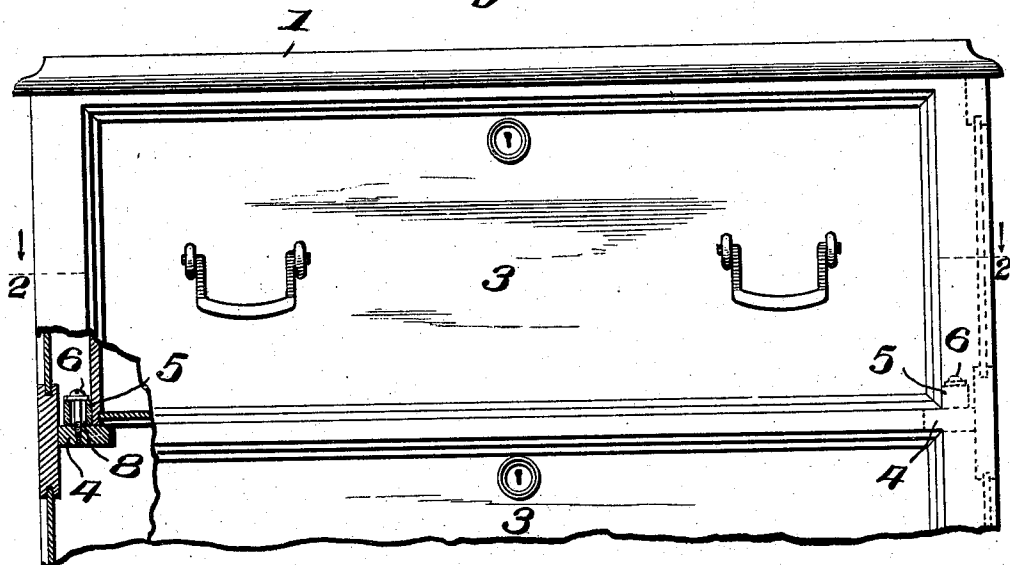
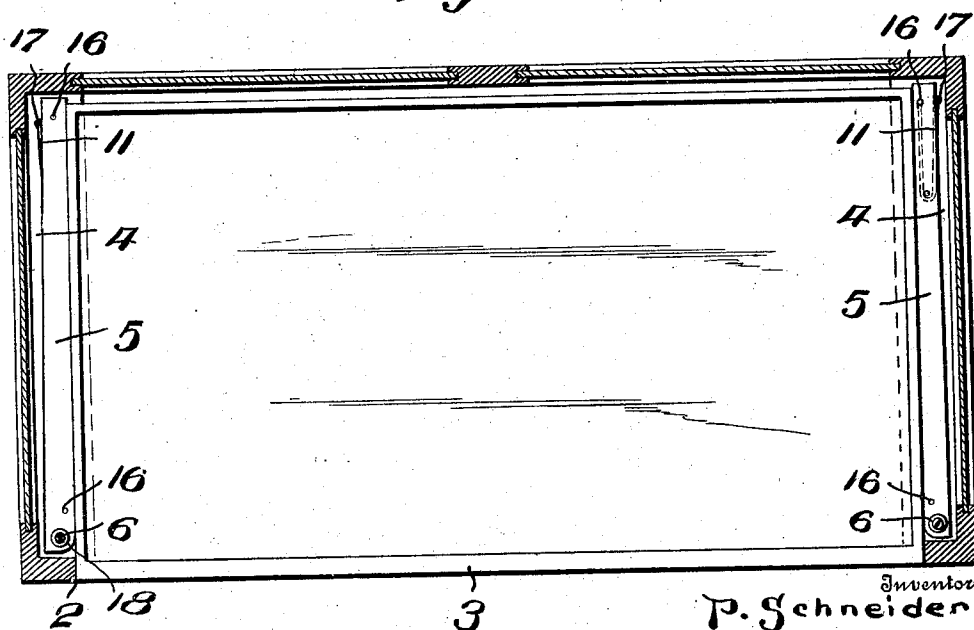


Fig. 2.



P. Schneider ^{Inventor}

Witnesses

Thos. W. Higgin
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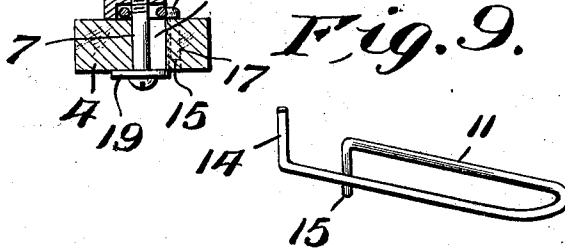
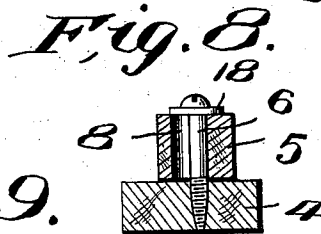
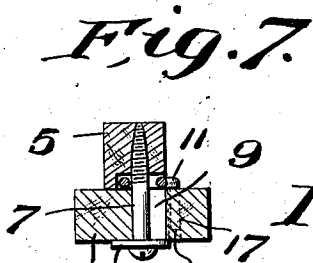
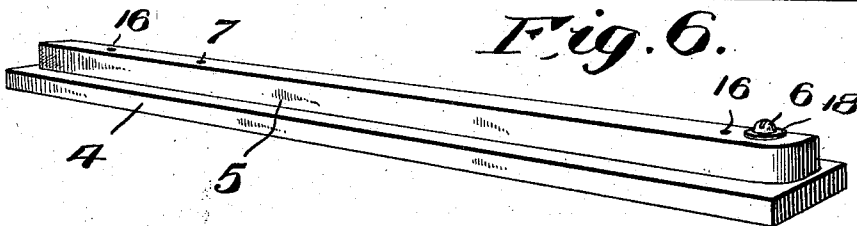
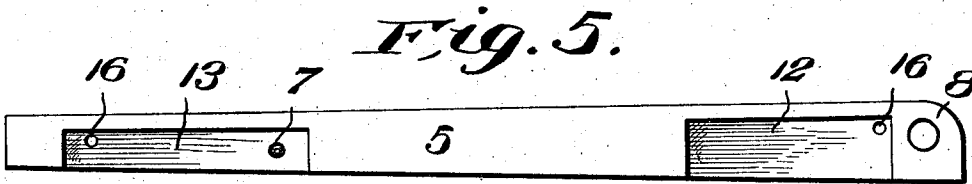
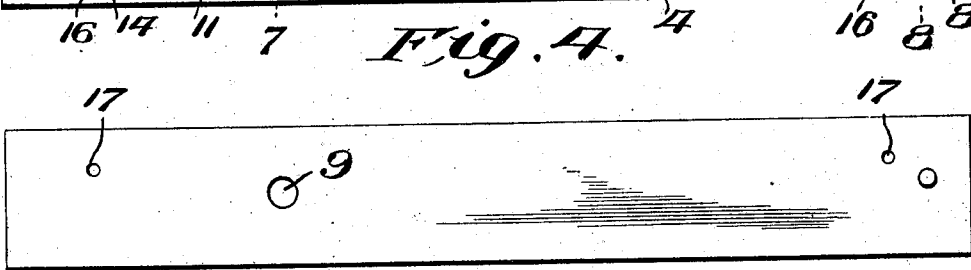
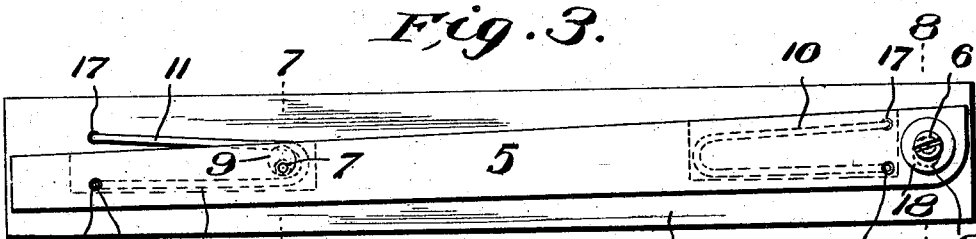
W. J. FitzGerald & Co. Attorneys

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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

PETER SCHNEIDER, OF HARRISON, OHIO.

DRAWER-GUIDE.

No. 858,420.

Specification of Letters Patent.

Patented July 2, 1907.

Application filed December 19, 1906. Serial No. 348,560.

To all whom it may concern:

Be it known that I, PETER SCHNEIDER, a citizen of the United States, residing at Harrison, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Drawer-Guides; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to new and useful improvements in drawer guides and my object is to provide a device of this class whereby the drawer will be firmly held in position and prevented from undue lateral movement.

A further object is to provide yielding means for holding the guides so that the drawer can be freely moved inwardly or outwardly.

Other objects and advantages will be hereinafter referred to and more particularly pointed out in the claims.

In the accompanying drawings which are made a part of this application, Figure 1 is a front elevation partly in section of a cabinet showing my improved drawer guides secured thereto. Fig. 2 is a sectional view as seen from line 2—2 Fig. 1. Fig. 3 is a plan view of the guides and supports therefor. Fig. 4 is a plan view of one of the guide supports. Fig. 5 is an inverted plan view of the guide proper. Fig. 6 is a perspective view of the guide and its supporting member. Fig. 7 is a sectional view as seen from line 7—7 Fig. 3. Fig. 8 is a sectional view as seen from line 8—8 Fig. 3, and, Fig. 9 is a perspective view of one of the springs employed in connection with my improved guide.

Referring to the drawings in which similar reference numerals designate corresponding parts throughout the several views, 1 indicates a cabinet one face of which is provided with openings 2, for the reception of the usual form of drawer 3. Disposed within the cabinet 1 and at each end thereof are supports 4, said supports being in line with the lower edge of the openings so that the drawers when inserted within said openings will rest upon the supports.

In order to direct the drawers within the opening and prevent the same from wedging or sticking when moving inwardly or outwardly I have disposed upon the supports 4 guide bars 5, which are narrower at their inner ends than at their outer ends and also narrower than the supports and are held thereon by means of screws or the like 6 and 7, the screw 6 being directed downwardly through a bore 8 in the forward end of the guide bar 5 and having the threaded portion thereof seated within the support 4 while the screw 7 is directed upwardly

through a bore 9 in the support 4 and having its threaded end seated in the rear end of the guides 5.

By providing the bores 8 and 9 it will be seen that the guide bars may be moved laterally and in order to normally hold the same into engagement with the drawer, I have provided springs 10 and 11, one at each end of each guide which are seated in channels 12 and 13 respectively, formed on the lower face of the guide bars, said springs being substantially U-shaped and having oppositely disposed stems 14 and 15 which are adapted to take respectively into bores 16 and 17 in the guide bars and supports so that when the guide bars are moved laterally on the supports, tension will be exerted upon the springs.

In order to prevent the heads of the screws 6 and 7 from passing through the bores 8 and 9 respectively, I dispose washers 18 and 19 between the heads of the screws 6 and 7, respectively, and the openings 8 and 9, the washers being of greater diameter than the bores and thus preventing the heads of the screws from passing through the bores.

It will now be seen that I have provided a cheap and economical device for guiding a drawer into its respective opening and one that will yield so that the drawer will be prevented from sticking or binding when the same is being opened or closed.

What I claim is:

1. A guide of the class described comprising the combination with supports; of a guide bar on each of said supports, a U-shaped spring at each end of said guide bars, oppositely disposed stems at the free end of said springs one of which is adapted to enter a bore in the guide bar and the other a bore in the supports, a screw disposed through a bore in the front end of said guide bar and into engagement with the supports and a similar screw disposed through a bore in the support and into engagement with the inner end of said guide bar whereby said guide bars will yield laterally.

2. A guide of the class described comprising supports having bores therein, guide bars on said supports, said guide bars having a bore in one end thereof, a screw disposed through the bore in the guide bars and into said supports whereby said guide bars will be pivotally secured to the support, U-shaped springs adjacent each end of said guide bars, oppositely disposed stems at the free end of said springs adapted to enter bores in the guide bars and supports, respectively, and a screw extending upwardly through the bore in the supports and engaging the guide bars, said screw passing between the arms of one of the springs.

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

PETER SCHNEIDER.

Witnesses:

ELIZABETH HOLLOWELL,
FRANCIS HOLLOWELL.