

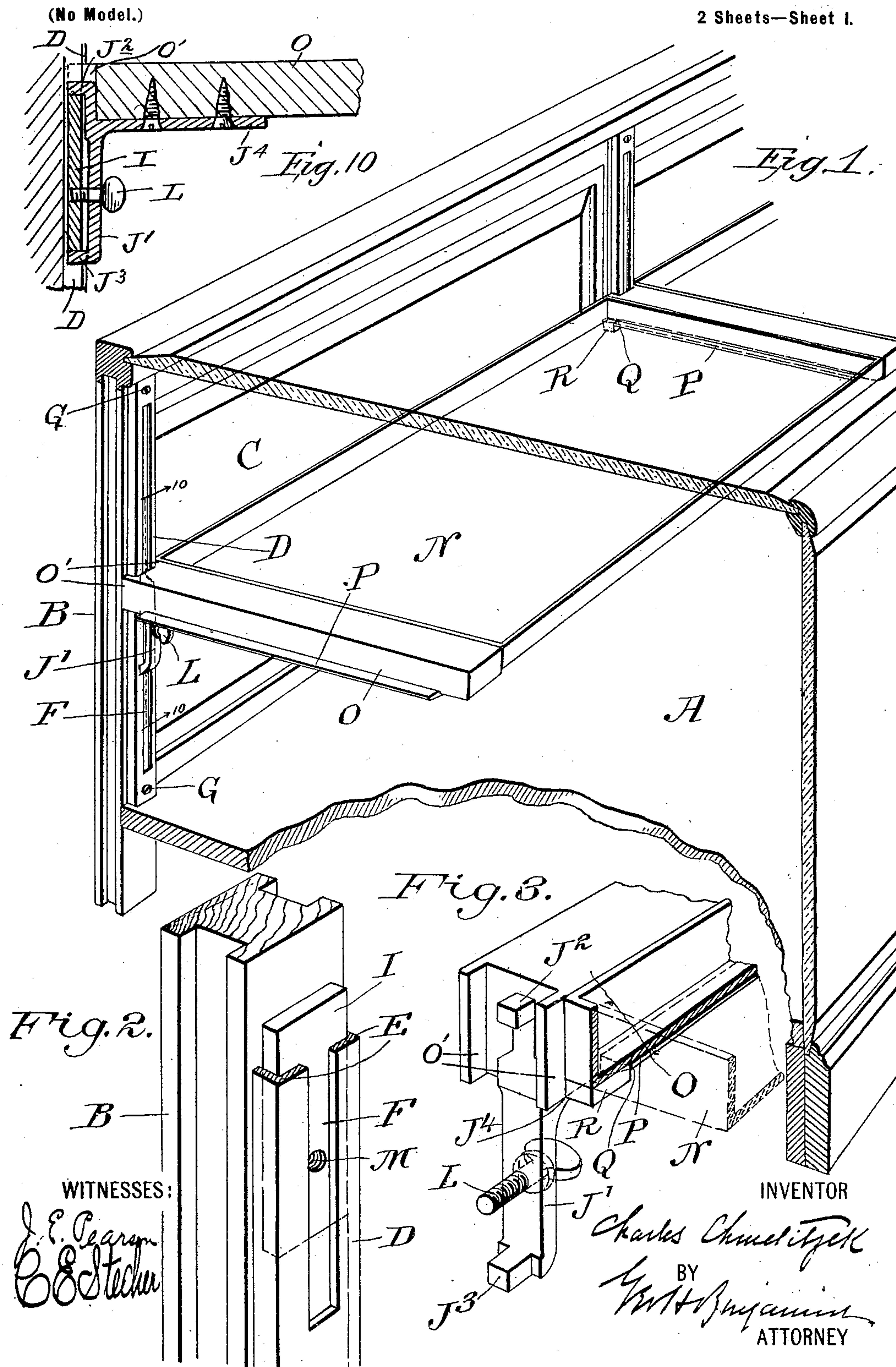
No. 711,759.

Patented Oct. 21, 1902.

C. CHMELITZEK.
SHELF SUPPORT.

(Application filed Dec. 28, 1901.)

2 Sheets—Sheet 1.



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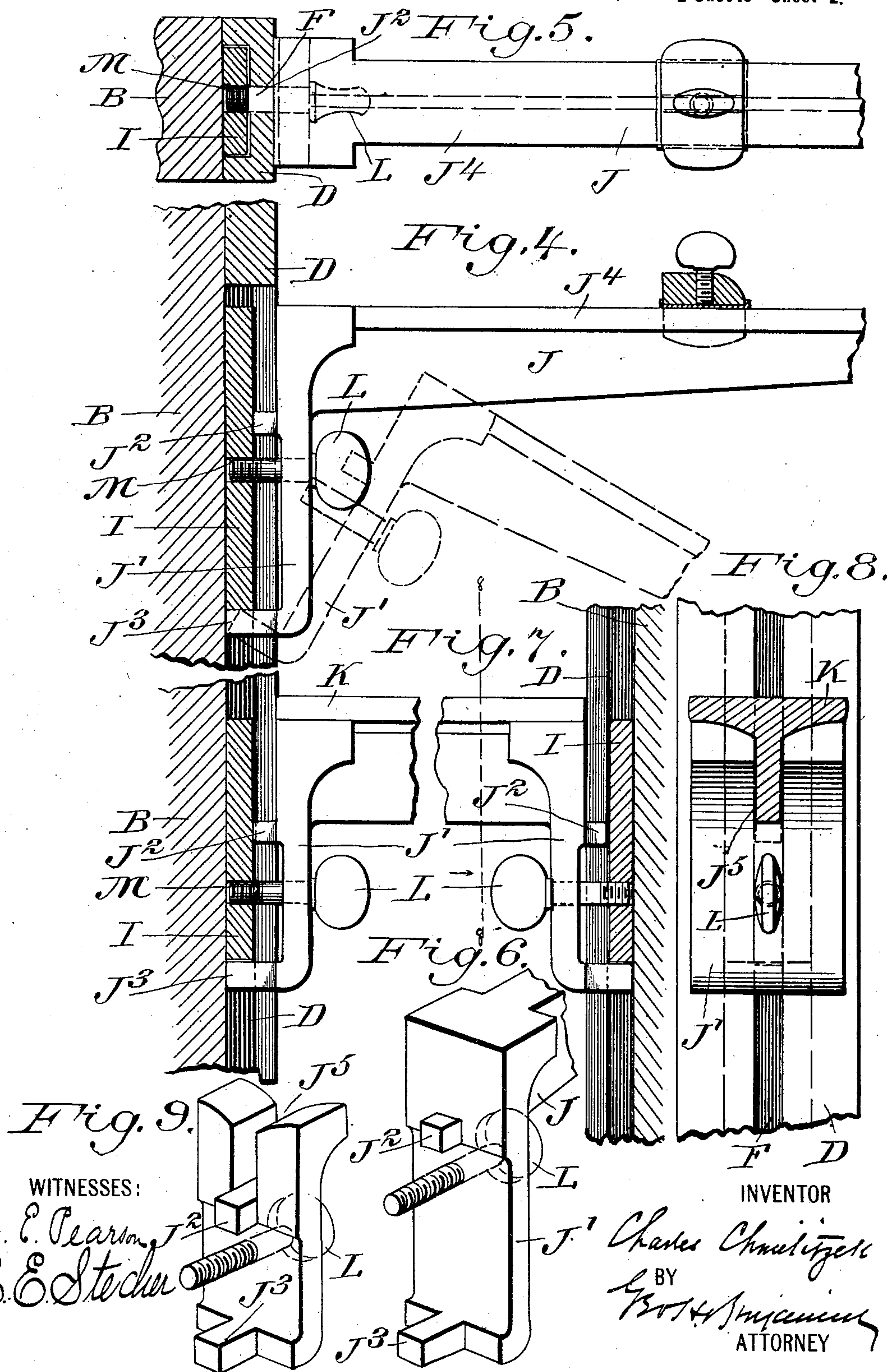
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2 Sheets—Sheet 2.



UNITED STATES PATENT OFFICE.

CHARLES CHMELITZEK, OF NEW YORK, N. Y.

SHELF-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 711,759, dated October 21, 1902.

Application filed December 28, 1901. Serial No. 87,646. (No model.)

To all whom it may concern:

Be it known that I, CHARLES CHMELITZEK, a citizen of the United States, residing at New York city, county and State of New York, have
5 invented certain new and useful Improvements in Shelf-Supports, of which the following is a specification.

My invention consists in an adjustable shelf-support, such as may be used in show-cases, upon the walls of a building, or any
10 other suitable location.

My invention also consists in the combination, with such shelf-supports, of a suitable show-case frame and guides, sliding shelves,
15 drawers, &c., such as are used to display jewelers' ware.

The object of my invention is a shelf-support which may be readily adjusted vertically and when fixed in the required position
20 will act as a firm support for a shelf or drawer, such as is commonly employed for carrying and displaying goods, books, &c.

The accompanying drawings will serve to illustrate my invention, and in which similar
25 letters of reference indicate like parts.

Figure 1 is a transverse section and view in perspective looking from the left and illustrates the employment of one form of my improved shelf-support in a show-case provided
30 with sliding doors. Fig. 2 is a view in perspective looking from the right, showing one of the slotted vertical rails of a show-case having on the front of it a guide within which is a sliding block and to which the
35 arm portion of the shelf-support shown in Fig. 3 is secured when in use. Fig. 3 is a view in perspective looking from the left, showing the rear of the arm portion of the shelf-support, the guide for the sliding shelf,
40 and a portion of the sliding shelf in dotted lines and illustrating, so far as the sliding shelf is concerned, that the under and rear portion of the shelf is provided with a stop. Fig. 4 shows a modification of my improved
45 shelf-support with the slotted rail and sliding block in vertical section and also shows by the dotted lines the manner in which the arm portion of the shelf-support is introduced into the slot of the guide to secure it to the
50 sliding block and guide. Fig. 5 is a top view

of the construction shown in Fig. 4. Fig. 6 is a view in perspective, showing the rear of the arm of a shelf-support constructed as shown in Fig. 4. Fig. 7 is a view showing a further modification of my improved shelf-
55 support with arm portions of two supports introduced in oppositely-situated guides and a separate supporting-piece between them. Fig. 8 is a vertical section through the transverse piece shown in Fig. 7, taken on the line
60 8 8 of Fig. 7 and looking toward the right. Fig. 9 is a view in perspective, showing the rear of the arm portion of the shelf-support shown in Fig. 7. Fig. 10 is a detail sectional
65 view on the line 10 10 of Fig. 1.

In the drawings, A represents the body of the show-case, formed in the usual manner and provided in the rear with the slotted vertical rails B, between which are the hanging
70 or sliding doors C. Secured to the front of each vertical rail B is a metallic guide D, formed with the angular sides E and having a slot F in its face. The guide D may be secured to the rail by means of screws G or in
75 any other suitable manner. Located within the guide D is a sliding block I.

J represents a removable and adjustable arm, preferably formed of metal, and consists of the vertical portion J', which is wider than the slot F in the guide D and having
80 the horizontal rearwardly-projecting tongues J² J³, which take in the sliding block I, and in case of the construction shown in Figs. 1, 3, 4, 5, and 6 the horizontal portion J⁴, which forms a shelf-support. In the construction shown in Figs. 1 and 3 the horizontal
85 portion of the arm J is shown as situated below the upper tongue J² on the vertical portion J', whereas in the construction shown in Figs. 4, 5, and 6, which is especially adapted
90 for use as a shelf-support upon the wall of a building or in a bookcase, the upper tongue J² is situated below the horizontal portion J⁴. In the construction shown in Figs. 7, 8, and 9 the vertical portion J' of the arm J is formed
95 as a separate piece, and the vertical portion is provided with a vertical slot J⁵, adapted to receive the web of a supporting-piece K. When this construction is employed, the
100 guides D are arranged opposite to each other

and the supporting-piece K bridges the space between the guides.

L represents a thumb-screw by means of which the arm J may be secured to the sliding block and guide.

It will be observed on reference to Fig. 1 that the sliding block I fills the space intervening between the tongues J² J³ on the arm J. The object of this arrangement is to facilitate the securing of the vertical portion J' of the arm J to the sliding block and also to make the structure most rigid, stable, and durable. When the vertical portion J' is to be connected, the lower tongue J³ is, as shown in the dotted lines, Fig. 4, introduced under the sliding block and the portion J⁴ of the arm then raised to a horizontal position, the effect of which is to cause the end of the thumb-screw L to register with the tapped hole M in the sliding block I.

It will be understood that the vertical height of the shelf may be adjusted in any required position by securing the arm to the sliding block and then moving the block up and down as required, and finally tightening the thumb-screw, so as to jam the vertical portion of the arm J against the face of the guide D.

I have now described all of the essential portions of my improved shelf-support.

When the device is applied to a show-case and in order to form a support for a sliding shelf or drawer N, I mount upon the horizontal portion J⁴ of the arm J, which horizontal portion, as previously stated, may be located below the top of the vertical portion J' of the arm J, the guides O, having flanges O' to engage the frame D and provided on one side, Fig. 3, or on both sides, Fig. 1, with projecting horizontal portions or tenons P, on which a shelf or drawer N rests and which form runways for such shelf or drawer. These tenons P are cut away at the back, as indicated at Q, (see Figs. 1 and 3,) and secured to the back end at the sides of the bottom of the drawer are small check-blocks R, which act when the drawer is pushed forward into place between the guides O and along the tenons or runways P to limit the forward movement of the drawer by striking against the ends of the tenon P at Q.

In a show-case I may use one or more pairs of shelf-supports and sliding drawers, arranged vertically or horizontally, as desired.

When my device is used upon a wall or in a bookcase or corresponding location, the slotted guides D may be secured either directly to the wall or to other vertical support.

The shape given the horizontal portion of the arm J, as shown in Figs. 1 to 7, or that of the supporting portion, as shown in Figs. 7 to 9, is not essential. They may be given other shapes to suit the uses to which they may be put. Any other means for securing the arm of the sliding block and guides in place of the thumb-screw L may be used.

Having thus described my invention, I claim—

1. A shelf-support, comprising a slotted guide, an arm or shelf-supporting device provided with tongues which take in the slotted guide, a slidable block lying within the slotted guide and resting upon one of the tongues of said arm, and means for securing said arm to said block and guide.

2. A shelf-support comprising a slotted guide, an arm having a vertical portion and a horizontal portion, with tongues projecting rearwardly from the vertical portion and which take in the slot of the guide, a sliding block within said slotted guide and of sufficient length to fill the space between the tongues projecting from the vertical portion of the arm engaged by both of the same, and means for securing the arm to the block and guide.

3. A shelf-support comprising a slotted guide, an arm having a vertical portion provided with tongues projecting rearwardly and which take in the slot of the guide, and a horizontal portion located below the top of the vertical portion; a sliding block within said slotted guide and of sufficient length to fill the space between the tongues projecting from the vertical portion of the arm engaged by both of the same, and means for securing the arm to the block and guide.

4. A shelf-support comprising in its construction, a slotted guide, a sliding block within the guide provided with a threaded opening, an arm having a vertical portion with projecting tongues which take over the ends of the sliding block and engage said ends respectively, said arm having an opening which corresponds with the threaded opening in the guide, and a threaded thumb-screw engaging the openings of said sliding block and arm.

5. In a shelf-support for show-cases, the combination of a vertical slotted rail, a slotted guide secured to said rail, a sliding block in said guide, a removable arm provided with tongues which take in said guide and engage said block, and means for securing the arm to the guide and block and adjusting its vertical position upon the rail.

6. A shelf-support, comprising a slotted guide, an arm or shelf-supporting device provided with tongues which take in the slotted guide, a slidable block lying within the slotted guide and having its rear surface engaged with the rear wall thereof, said block resting upon one of the tongues of said arm and engaged with the other tongue thereof, and means for securing said arm to said block and guide.

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

CHARLES CHMELITZEK.

Witnesses:

J. E. PEARSON,
C. E. STECHER.