No. 773,972. PATENTED NOV. 1, 1904.

E. T. PALMENBERG.

ADJUSTABLE SUPPORT.

APPLICATION FILED JAN. 19, 1904.

NO MODEL.

Fig. 1.

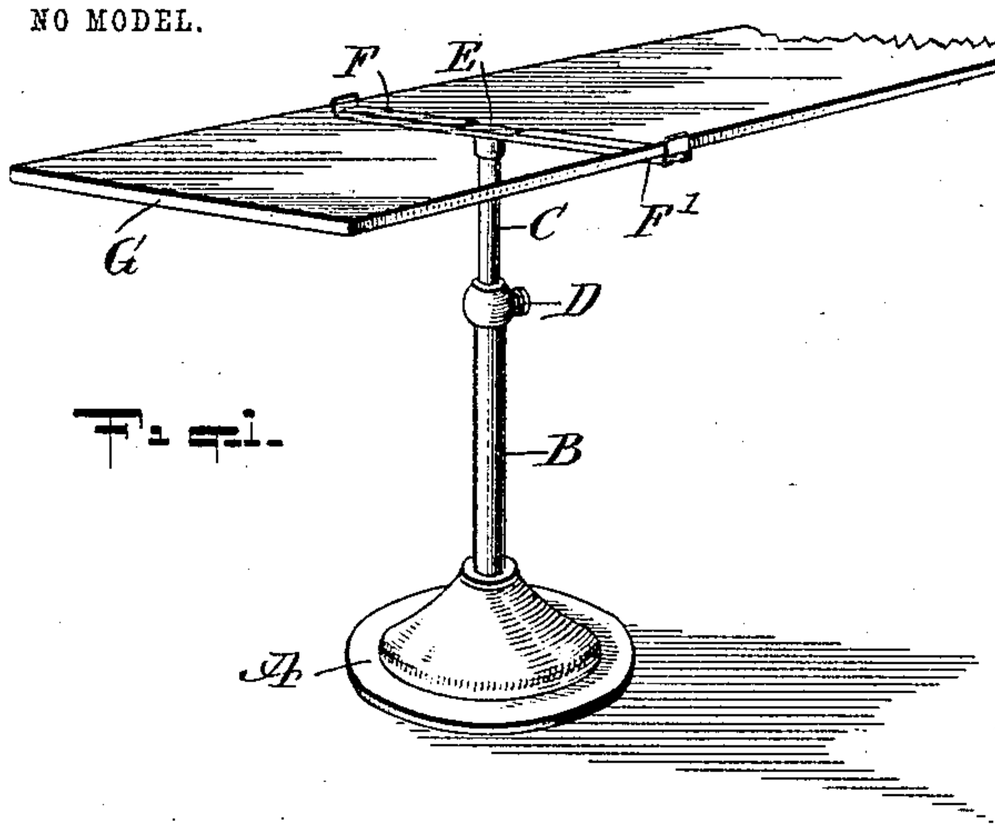


Fig. 3.

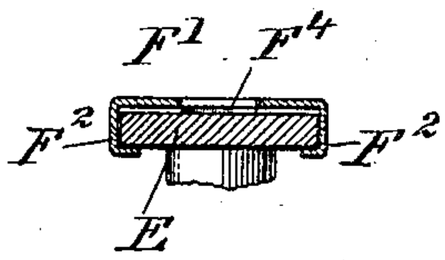


Fig. 2a.

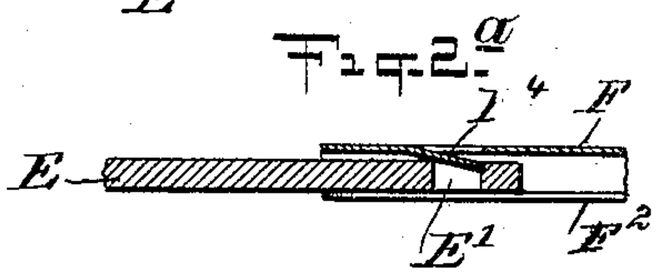


Fig. 2.

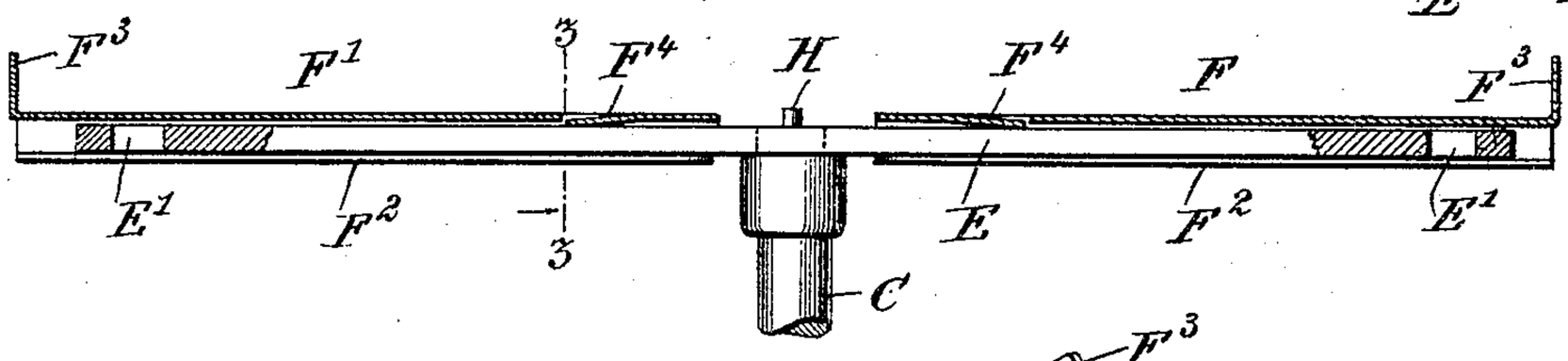


Fig. 4.

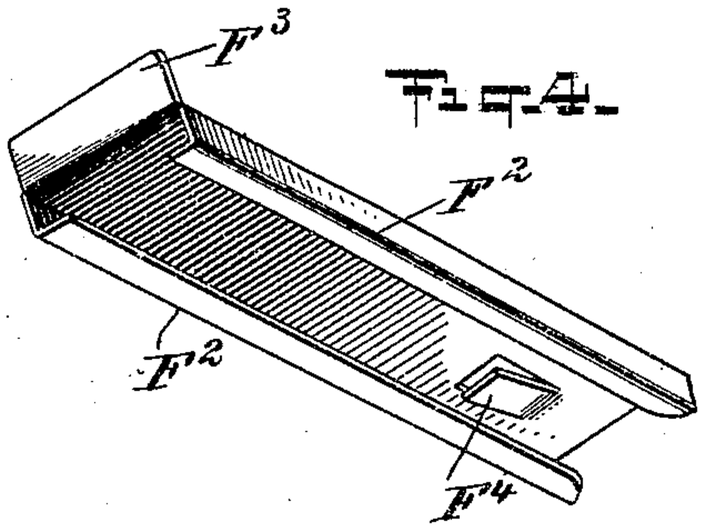


Fig. 5.

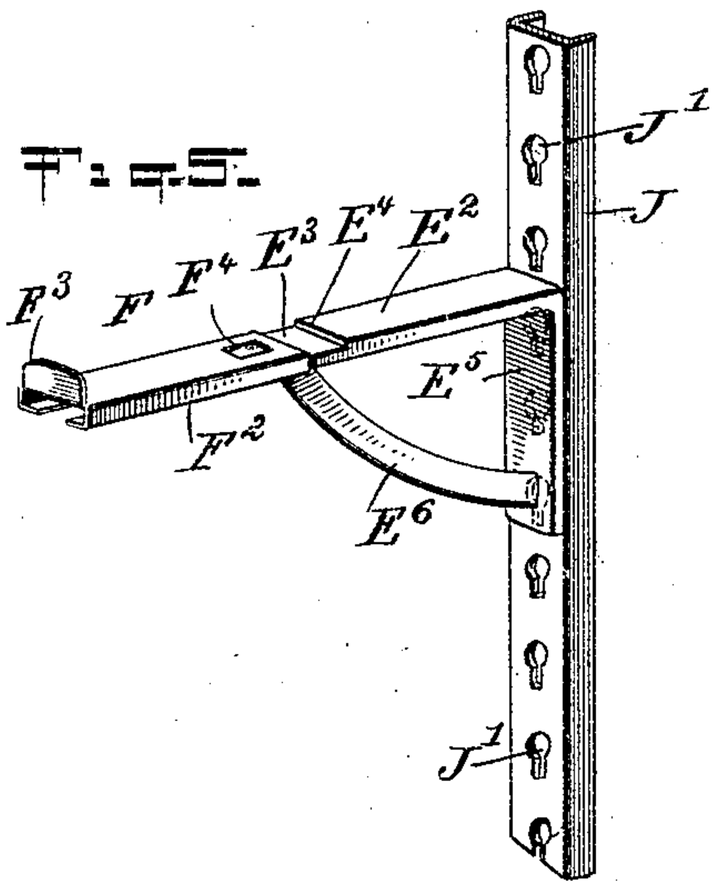
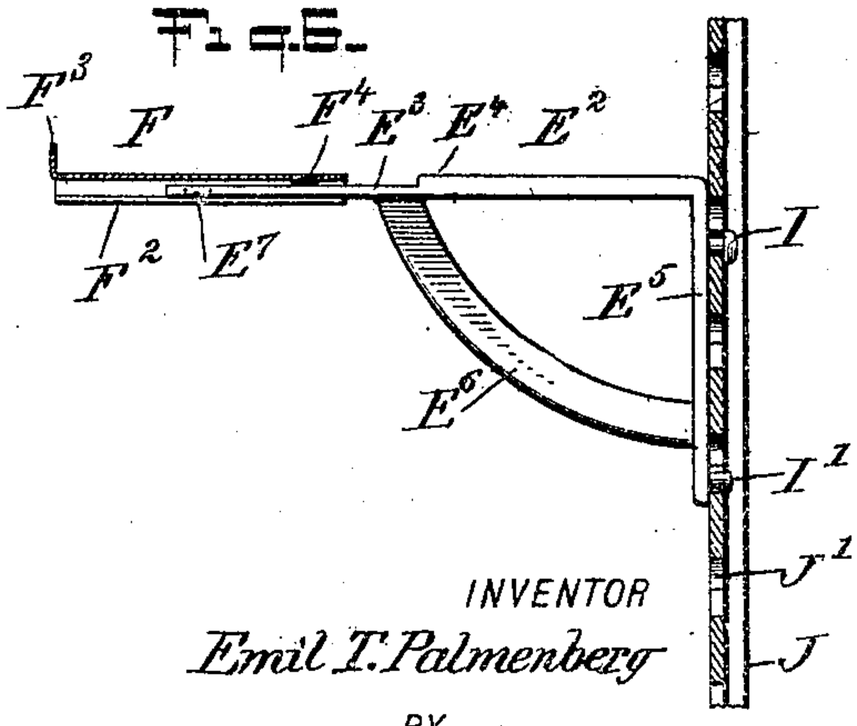


Fig. 6.



WITNESSES:

Geo. W. Naylor.

Percy. Hoosteds

INVENTOR

Emil T. Palmenberg

BY Munn & Co

ATTORNEYS

No. 773,972. Patented November 1, 1904.

UNITED STATES PATENT OFFICE.

EMIL THEO. PALMENBERG, OF NEW YORK, N. Y., ASSIGNOR TO J. R. PALMENBERG'S SONS, OF NEW YORK, N. Y.

ADJUSTABLE SUPPORT.

SPECIFICATION forming part of Letters Patent No. 773,972, dated November 1, 1904.

Application filed January 19, 1904. Serial No. 189,747. (No model.)

To all whom it may concern:

Be it known that I, EMIL THEO. PALMENBERG, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Adjustable Support, of which the following is a full, clear, and exact description.

The invention relates to window and store fixtures; and its object is to provide a new and improved adjustable support for carrying display glass plates, trays, shelf-boards, and the like and arranged to allow convenient adjustment of the support for different widths of the plates, shelf-boards, &c., and to securely hold the same in position.

The invention consists of novel features and parts and combinations of the same, as will be more fully described hereinafter and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the improvement as arranged for supporting a glass plate. Fig. 2 is an enlarged sectional side elevation of the improvement. Fig. 2ª is a like view of the same, showing the extension member extended to its limit. Fig. 3 is a cross-section of the improvement on the line 3 3 in Fig. 2. Fig. 4 is a perspective view of the slidable member. Fig. 5 is a perspective view of the improvement as arranged for supporting shelf-boards on walls and the like, and Fig. 6 is a sectional elevation of the same.

In the arrangement illustrated in Figs. 1, 2, 2ª, 3, and 4 the base A supports a hollow post B, in which slides a rod C, adapted to be secured in place by a set-screw D, and on the upper end of the rod C is secured the body E, preferably in the form of a horizontal plate, on which are mounted to slide lengthwise adjustable extension members F and F′, employed for supporting a glass plate G, as illustrated in Fig. 1. Each of the extension members F and F′ is provided at its sides with depending guideways F^2 for engaging the body E, and the outer end of each extension member F and F′ is provided with an upwardly-extending flange F^3 for engaging the corresponding side edge of the plate G. Each of the extension members F and F′ is also provided near its inner end with a spring-tongue F^4, struck up from the material of which the extension member is made, the tongue extending longitudinally in an outward direction and downwardly to bear on the top surface of the body E to hold the corresponding extension member F or F′ against accidental movement on the body E after the said extension members are once adjusted to the width of the plate G, with the flanges F^3 abutting against the side edges of the plate. The body E is provided near each outer end with an opening E′, the forward wall of which forms a stop or shoulder for the free end of the spring-tongue F^4 to abut against at the time the corresponding extension member F or F′ is drawn into an extreme outermost position, as illustrated in Fig. 2ª, it being understood that the spring-tongue F^4 by its resiliency snaps into the opening E′ for the free end of the tongue to abut against the front wall of the opening whenever the extension member is drawn into an outermost position. By the arrangement described the extension members F and F′ are held against accidental movement on the body E and are also held against disconnection from the body by the tongue F^4 abutting against the wall or shoulder above mentioned. The inward sliding movement of the members F and F′ is limited by a stop-pin or shoulder H, formed on the top of the body E at or near the middle thereof.

In the modified form illustrated in Figs. 5 and 6 only one slidable extension member F is used and mounted on the recessed portion E^3 of the body E^2, so that the top face of the member F is flush with the top face of the non-recessed portion of the body E^2. The shelf, board, plate, or other article to be supported rests partly on the non-recessed portion of body E^2 and partly on top of the extension member F, and the latter can be moved inward or outward to bring the flange F^3

against the outer edge of the said shelf, board, or plate. The inward movement of the extension member F is limited by a shoulder E^4, formed by the junction of the recessed portion with the non-recessed portion of the body E^2. The inner end of the shelf-board abuts against the wall or a supporting-bar J, having apertures J′ adapted to be engaged by pins I and I′, projecting from a bar E^5, depending from the inner end of the body E^2 and resting against the outer face of the bar J. A brace or rib E^6 connects the bar E^5 with the body E^2 to strengthen the latter. By the arrangement described the body E^2 can be adjusted up and down on the bar J, according to the height of the shelf in the room in which it is to be used, and by adjusting the member F on the recessed portion E^3 of the body E^2 it is evident that any desired width of shelf, plate, or the like can be readily accommodated by the device. The spring-tongue F^4 serves the double purpose above described—that is, for holding the extension member F against accidental movement on the recessed portion E^3 and also to prevent the extension member from sliding off the said recessed portion by the spring-tongue abutting against the front wall of the opening E^7, formed in the front end of the body E^2. (See Fig. 6.)

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. An adjustable support comprising a body, an extension member slidable thereon lengthwise, and a spring-tongue on the extension member, for holding the latter against accidental sliding of the extension member on the body, the spring-tongue being also adapted to abut against a shoulder on the body, to prevent disconnection of the extension member and the body, as set forth.

2. An adjustable support comprising a body, an extension member thereon, the extension member having an upturned flange at the outer end, and a spring-tongue for engaging the body, to hold the extension member against accidental movement, as set forth.

3. An adjustable support comprising a body having a shoulder and an extension member slidable on the said body and having an upturned flange at the outer end, and a spring-tongue engaging the body, to hold the extension member against accidental movement on the body, the free end of the said spring-tongue being adapted to abut against the said shoulder, to hold the extension member against disconnection from the body, as set forth.

4. An adjustable support comprising a body having a portion recessed on the top, an extension member slidable on the said recessed portion and flush at its upper face with the non-recessed top of the body, an upturned flange on the outer end of the said extension member, and a spring-tongue on the inner end of the said extension member, the spring-tongue extending lengthwise in an outward direction and bearing on the recessed top of the said body, as set forth.

5. An adjustable support comprising a body having a portion recessed on the top, an extension member slidable on the said recessed portion and flush at its upper face with the non-recessed top of the body, an upturned flange on the outer end of the said extension member, and a spring-tongue on the inner end of the said extension member, the spring-tongue extending lengthwise in an outward direction and bearing on the recessed top, the free end of the spring-tongue being adapted to abut against the wall of an opening in the said body, near the outer end thereof, as set forth.

6. An adjustable support comprising a body having a shoulder and an extension member slidable on the said body and having an upturned flange at the outer end, a spring-tongue engaging the body, to hold the extension member against accidental movement on the body, the free end of the said spring-tongue being adapted to abut against the said shoulder, to hold the extension member against disconnection from the body, and a stop on the body, to limit the inward movement of the extension member, as set forth.

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

EMIL THEO. PALMENBERG.

Witnesses:

W. A. Lawrence,

Mary Gillespie.