No. 744,149. PATENTED NOV. 17, 1903.

C. E. WILTON.

SUPPORT FOR SHELVES OR OTHER ARTICLES.

APPLICATION FILED NOV. 19, 1902.

NO MODEL. 2 SHEETS—SHEET 1.

Fig. 1.

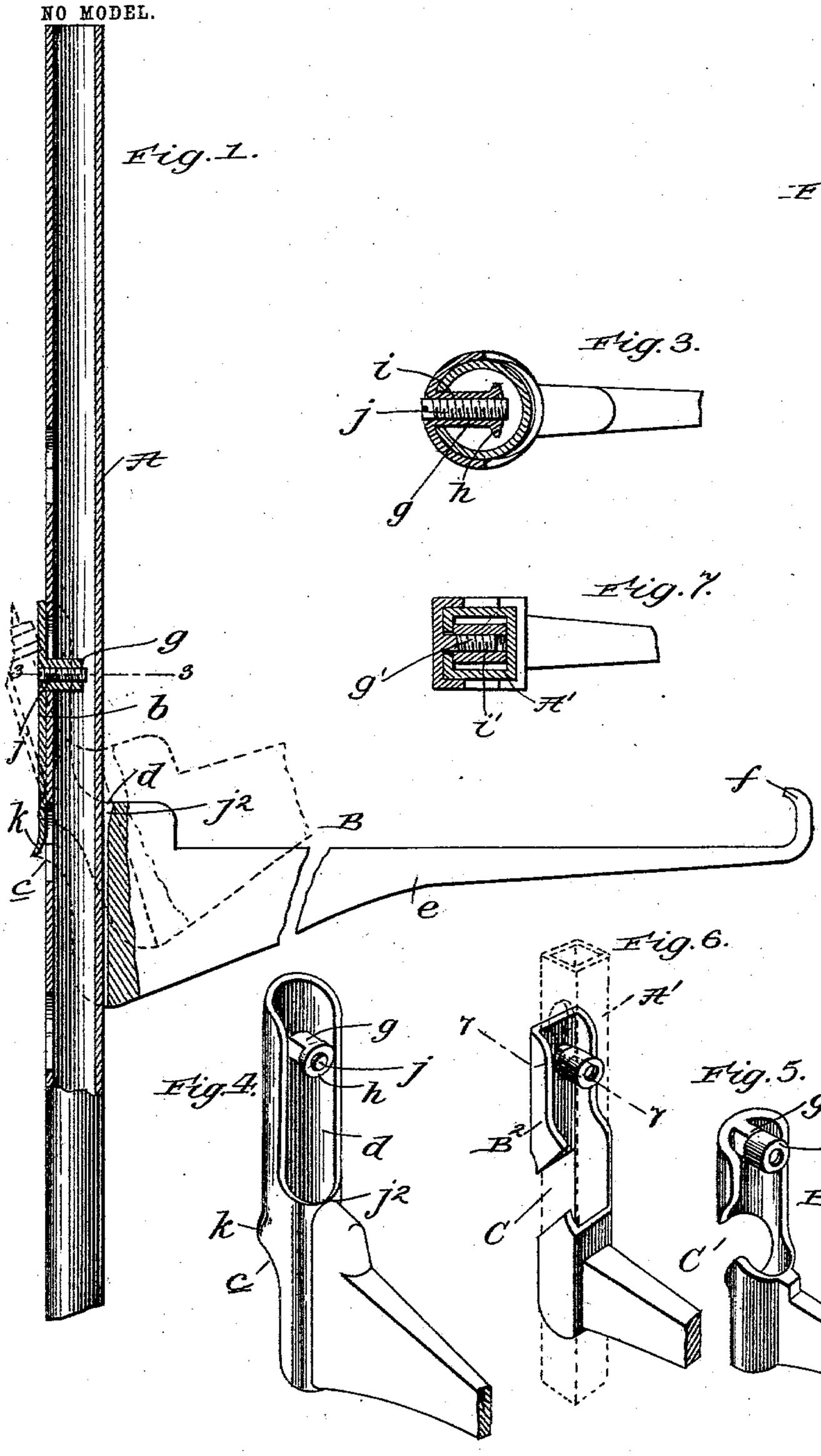

Fig. 2.

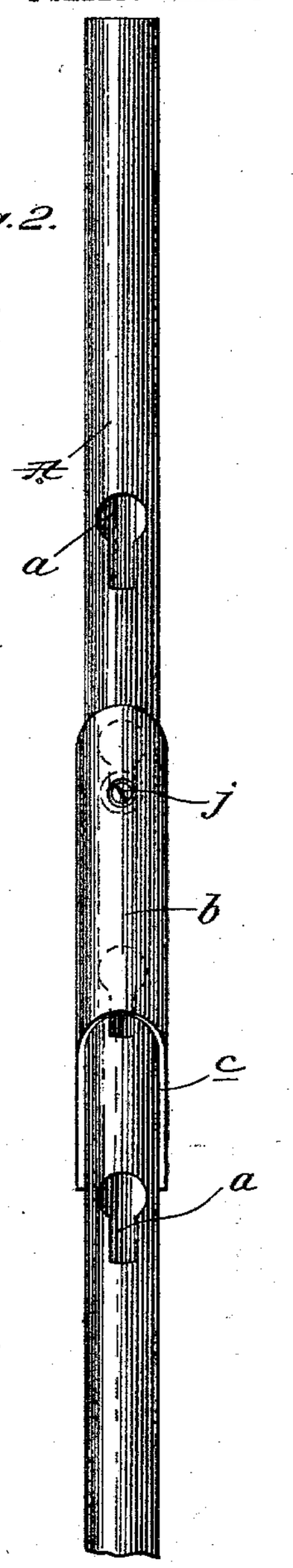

Fig. 3.

Fig. 7.

Fig. 4.

Fig. 6.

Fig. 5.

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NO MODEL. 2 SHEETS—SHEET 2.

Fig. 9.

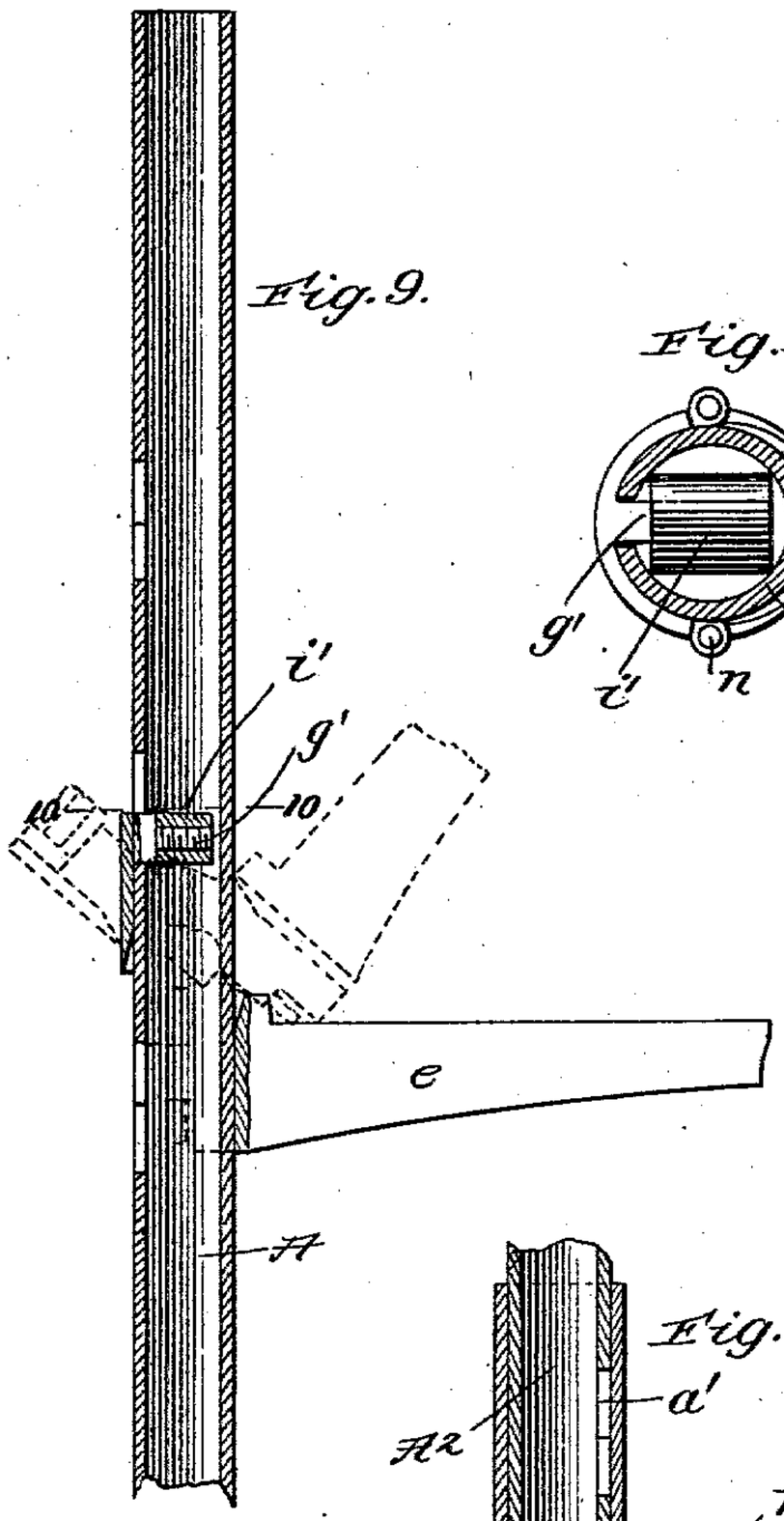


Fig. 10.

Fig. 8.

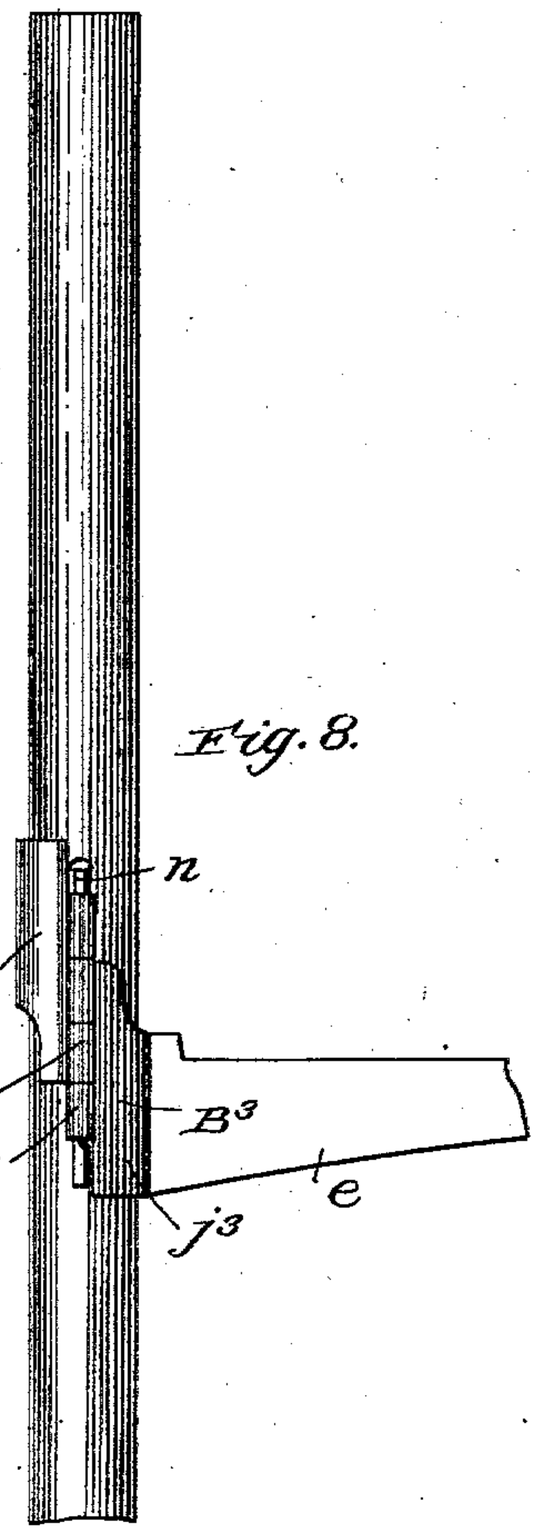


Fig. 12.

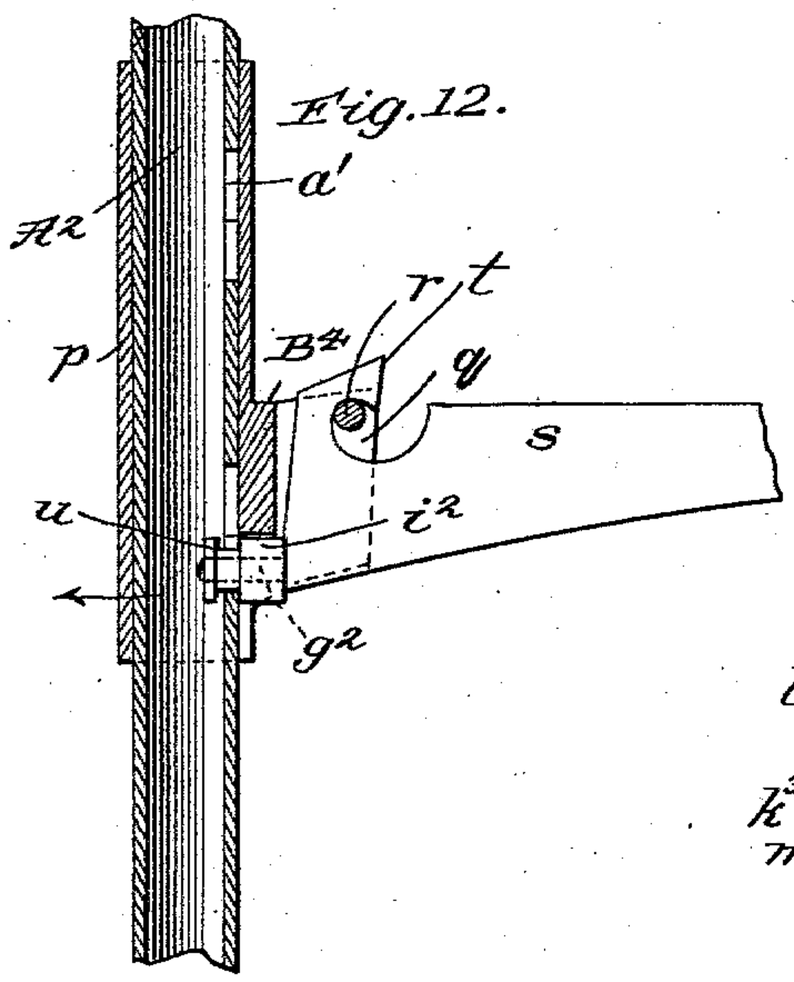
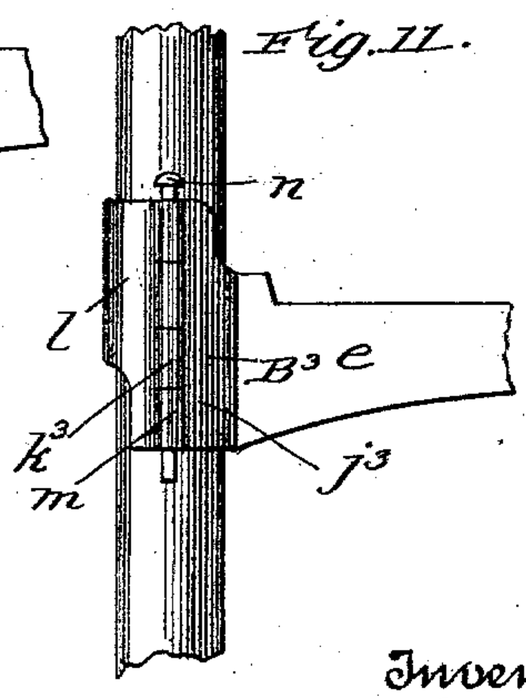


Fig. 11.



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No. 744,149. Patented November 17, 1903.

UNITED STATES PATENT OFFICE.

CARL E. WILTON, OF BRISTOL, PENNSYLVANIA, ASSIGNOR TO THE WILTON SHOW CASE COMPANY, A CORPORATION OF NEW JERSEY.

SUPPORT FOR SHELVES OR OTHER ARTICLES.

SPECIFICATION forming part of Letters Patent No. 744,149, dated November 17, 1903.

Application filed November 19, 1902. Serial No. 131,991. (No model.)

To all whom it may concern:

Be it known that I, CARL E. WILTON, a citizen of the United States, residing at Bristol, in the county of Bucks and State of Pennsylvania, have invented new and useful Improvements in Supports for Shelves or other Articles, of which the following is a specification.

My invention relates to supports for shelves and other articles; and it consists in a support the novelty, utility, and practical advantages of which will be fully understood from the following description and claims when taken in connection with the accompanying drawings, in which—

Figure 1 is a view, partly in elevation and partly in vertical section, of my improved support; Fig. 2, a rear elevation of the same; Fig. 3, an enlarged transverse section taken in the plane indicated by the line 3 3 of Fig. 1; Fig. 4, a broken perspective view illustrating a portion of the bracket comprised in the support; Fig. 5, a view similar to Fig. 4 of a modification; Fig. 6, a similar view of another modification in connection with a post of rectangular form in cross-section, which is shown by dotted lines; Fig. 7, an enlarged transverse section taken in the plane indicated by the line 7 7 of Fig. 6; Fig. 8, a side elevation of a modified support; Fig. 9, a vertical section of the same; Fig. 10, an enlarged section taken on the line 10 10 of Fig. 9; Fig. 11, a view similar to Fig. 8, illustrating the bracket as fixed to the hollow post or upright; and Fig. 12, a vertical section of another modification.

Referring by letter to the said drawings, and more particularly to Figs. 1 to 3 thereof, A is a hollow post or upright, preferably of metal and circular form in cross-section, having one or a plurality of keyhole-slots *a* in its back arranged with their reduced portions down. This post may be fixed or may be mounted to turn on its axis, as desired. B is a bracket, which is also preferably of metal. This bracket in the preferred embodiment of my invention comprises a sleeve *b*, the back of the lower portion and the front of the upper portion of which are open, as indicated by *c* and *d*, respectively; an arm *e*, which extends from the lower portion of the sleeve and has its portion adjacent thereto of the proportional height illustrated, so as to enable it to sustain a considerable weight, and also has its free end turned upwardly and inwardly, as indicated by *f*, this latter to prevent a shelf placed on the arm from slipping therefrom; a stud *g*, which projects forwardly from the upper portion of the sleeve and has an enlargement *h* at its forward end and also has a threaded bore *i*, and a screw *j*, which bears in said bore of the stud. The lower end of the back and the upper end of the front of the sleeve *b* are flared, as indicated by j^2 and *k*, respectively, in order to permit of the bracket being rocked on the post A after the manner shown by dotted lines in Fig. 1.

In the practical use of the improved support it will be observed that when the rear comparatively reduced portion of the stud *g* rests in the reduced portion of one of the keyhole-slots *a* in the post A, as shown in Fig. 1, the bracket B will be held against downward movement on the post and will not be liable to casually move in any direction on the post; also, that when weight is imposed on the bracket the front of the lower portion of the sleeve will be caused to bind against the post, with the result that strain will be removed from the stud *g*. When it is desired to raise or lower the bracket on the post, it is simply necessary for the operator to raise the bracket and rock the same, as shown by dotted lines in Fig. 1, so as to withdraw the stud *g* from the keyhole-slot, and then move the bracket to the position desired and return it to the position shown by full lines in Fig. 1, with the stud *g* in another keyhole-slot of the post. When it is desired to hold the bracket on the post with the arm *e* tilted upwardly to a slight extent, the operator has but to turn the screw *j* inwardly, so as to cause it to bear against the front of the post, and press the upper portion of sleeve *b* back from the post. To move the arm *e* to a position at right angles to that shown in Fig. 1 and out of the way, it is simply necessary for the operator to rock the bracket sufficiently to withdraw the stud *g* from the keyhole-slot and then turn the bracket on the post. When the bracket is thus turned, either the stud *g* or screw *j* will

bind against the exterior of the post, and thereby hold the bracket against downward movement.

The bracket B′, Fig. 5, differs from that shown in Figs. 1 to 4 in that it has an opening C in one side of its sleeve and also in that its stud g' is threaded and a threaded sleeve i' is arranged thereon. The opening C permits of the sleeve b' of bracket B′ being placed on a post at an intermediate point in the length of the latter and is advantageous for such reason. The threaded sleeve i' is designed to serve the same purpose as the screw j in Figs. 1 to 4, and in this connection I desire it understood that the bracket B may be provided with an adjustable sleeve in lieu of the screw j and the bracket B′ with an adjustable screw in lieu of the sleeve i' without involving a departure from the scope of my invention. The threaded sleeve i' also serves by extending between and engaging the front and rear portions of a post A to hold the bracket against shaking or casual movement in the post.

The post A′ (shown in Figs. 6 and 7) is of rectangular form in cross-section, but is otherwise similar to the post A. The bracket B^2 of said figures differs from the bracket B′, Fig. 5, only in that it is of rectangular form in cross-section.

In the modification shown in Figs. 8 to 11 the post A is similar to that shown in Figs. 1 to 3. The bracket B^3 of Figs. 8 to 11, however, comprises a forward section j^3, which carries an arm e, and has alined barrels k^3 at its edges, a rear section l, which is equipped with a threaded stud g' and threaded sleeve i', similar to those shown in Figs. 5 to 7, and is also equipped on its edges with barrels m, arranged to coincide with the barrels k^3, and removable pins n, which rest in the coincident barrels k^3 m and connect the sections j^3 l of the bracket. When the said sections j^3 l are connected in the relative positions shown in Figs. 8 and 9, the bracket B^3 may be rocked and adjusted on the post A in the same manner as the bracket B. When, however, the sections j^3 l are connected in the relative positions shown in Fig. 11, the bracket B^3 will be fixed to the post and can only be adjusted or removed therefrom subsequent to the removal of the pins n.

In the modified construction shown in Fig. 12 the post A^2 is provided with keyhole-slots a' in its front, and the bracket B^4 comprises a sleeve-section p, having forwardly-extending lugs q and a pin r between said lugs, and an arm-section s, having a hook t to engage the pin r and also having a screw g^2 extending rearwardly from its heel and a threaded sleeve i^2 mounted on said screw and provided with a reduced portion u. When the sleeve i^2 rests in the position shown with respect to the section s and in one of the slots a' of the post, it will be seen that the section s will be held in a horizontal position. When, however, the sleeve i^2 is turned and moved in the direction indicated by arrow precedent to placing the section s in engagement with the pin r and the sleeve i^2 in the keyhole-slot, it will be observed that when the section s is properly placed with reference to the sleeve-section p and post A^2 the section s will be pitched slightly upward from the post.

It will be appreciated from the foregoing that I have provided a support for shelves and other articles which is at once simple and inexpensive, susceptible of ready adjustment, and perfectly safe in use; also, that the support, especially when it is nickel-plated, is handsome in appearance and is calculated to enhance rather than detract from the finish of a show-window, show-case, or the like. It will be further appreciated that those embodiments of my invention in which the slots are at the back of the posts are particularly advantageous, since the slots are hidden from view.

When desirable, the post and the sleeve of the bracket may be plain—*i. e.*, not provided with coacting engaging means—without involving a departure from the scope of my invention.

I have entered into a detailed description of the construction and relative arrangement of the parts embraced in the present embodiments of my invention in order to impart a full, clear, and exact understanding of the same. I do not desire, however, to be understood as confining myself to such specific construction and arrangement of parts, as such changes or modifications may be made in practice as fairly fall within the scope of my claims.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a support for shelves and other articles, the combination of a hollow post having an opening, and an adjustable bracket comprising a sleeve arranged on the post, and having its upper portion open at its front, and its lower portion open at its back, an arm on the lower portion of said sleeve, and an adjustable device carried by the upper portion of the sleeve, and arranged in the opening of the post in position to engage the opposite wall of the post with reference to that in which the opening is formed.

2. In a support for shelves and other articles, the combination of a hollow post having one or more openings, and a bracket having a sleeve which receives the post, and also having an adjustable device arranged in the opening of the post in position to engage the opposite side of the post with reference to that in which the opening is formed, whereby the bracket may be tilted.

3. In a support for shelves and other articles, the combination of a post having a keyhole-slot, and a bracket comprising a sleeve arranged on the post, and having its upper

portion open at its front, and its lower portion open at its back, and also having means on its upper portion adapted to rest in the keyhole-slot of and engage the post, and an arm on the lower portion of said sleeve.

4. In a support for shelves and other articles, the combination of a post having a keyhole-slot, and a bracket comprising a sleeve arranged on the post, and having its upper portion open at its front, and its lower portion open at its back, and also having an opening in its side, and means on its upper portion adapted to rest in the keyhole-slot of and engage the post, and an arm on the lower portion of the sleeve.

5. In a support for shelves and other articles, the combination of a hollow post having a keyhole-slot in its back, and a bracket comprising a sleeve arranged on the post, and having its upper portion open at its front, and its lower portion open at its back, and also having a device adjustably connected to its upper portion and arranged to rest in the slot and engage the opposite side of the post with reference to that in which the slot is formed, and an arm on the lower portion of the sleeve.

6. In a support for shelves and other articles, the combination of a hollow post having a keyhole-slot in its back, and a bracket comprising a sleeve arranged on the post, and having its upper portion open at its front, and its lower portion open at its back, and also having a device arranged to rest in the slot and engage the front of the post, and screw-threads connecting its upper portion and said device and an arm on the lower portion of the sleeve.

7. In a support for shelves and other articles, the combination of a post, a bracket comprising sleeve-sections, removable pins for connecting said sections in different relative positions, an arm on one sleeve-section, and coacting means on the other sleeve-section and the post for holding the bracket against downward movement on the post.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

CARL E. WILTON.

Witnesses:
ABRAM B. HOWELL,
JOHN A. SCHAFER.