

S. STEIN.
SHOW-CASE

No. 190,638.

Patented May 8, 1877.

Fig. 1.

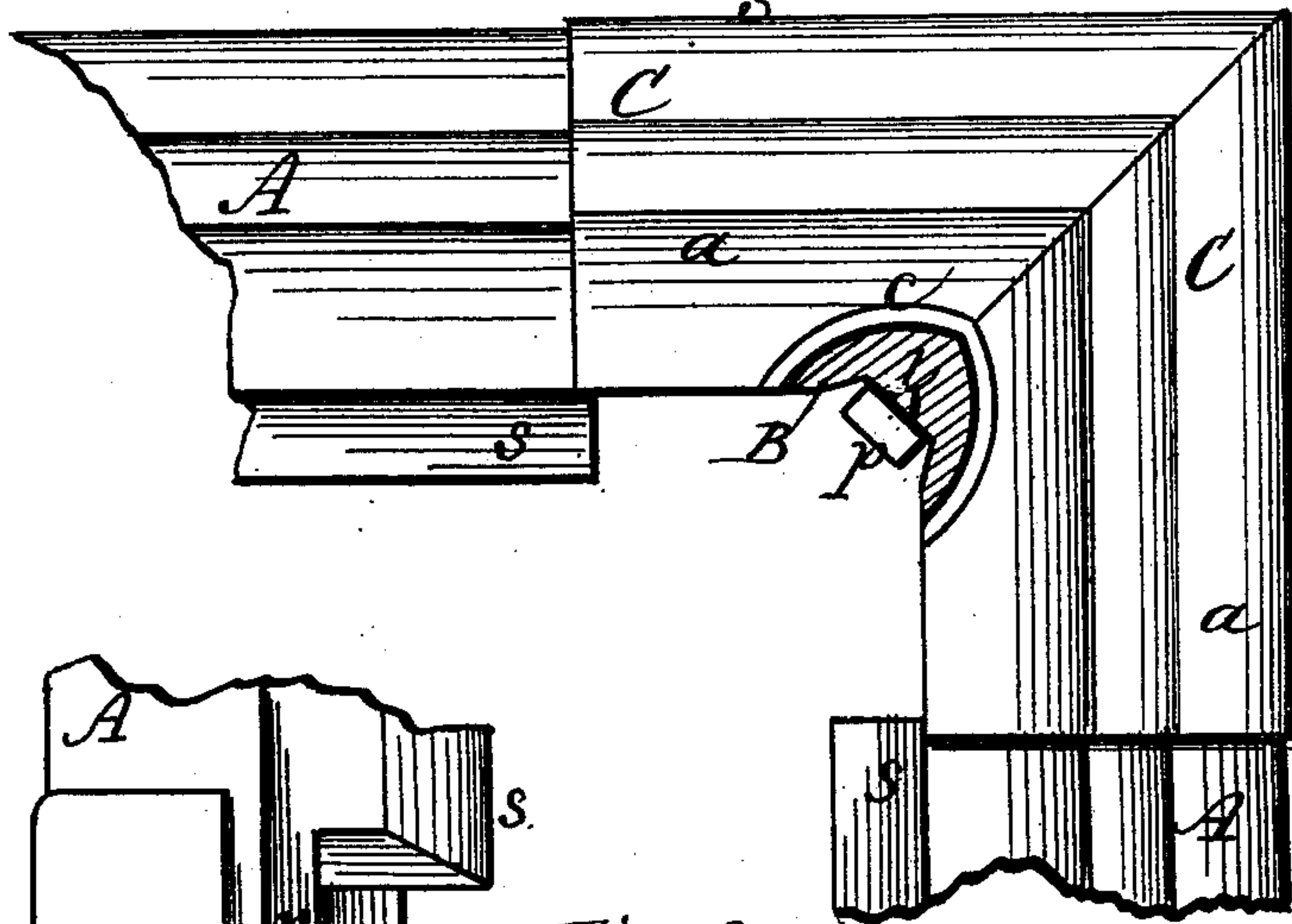


Fig. 2.

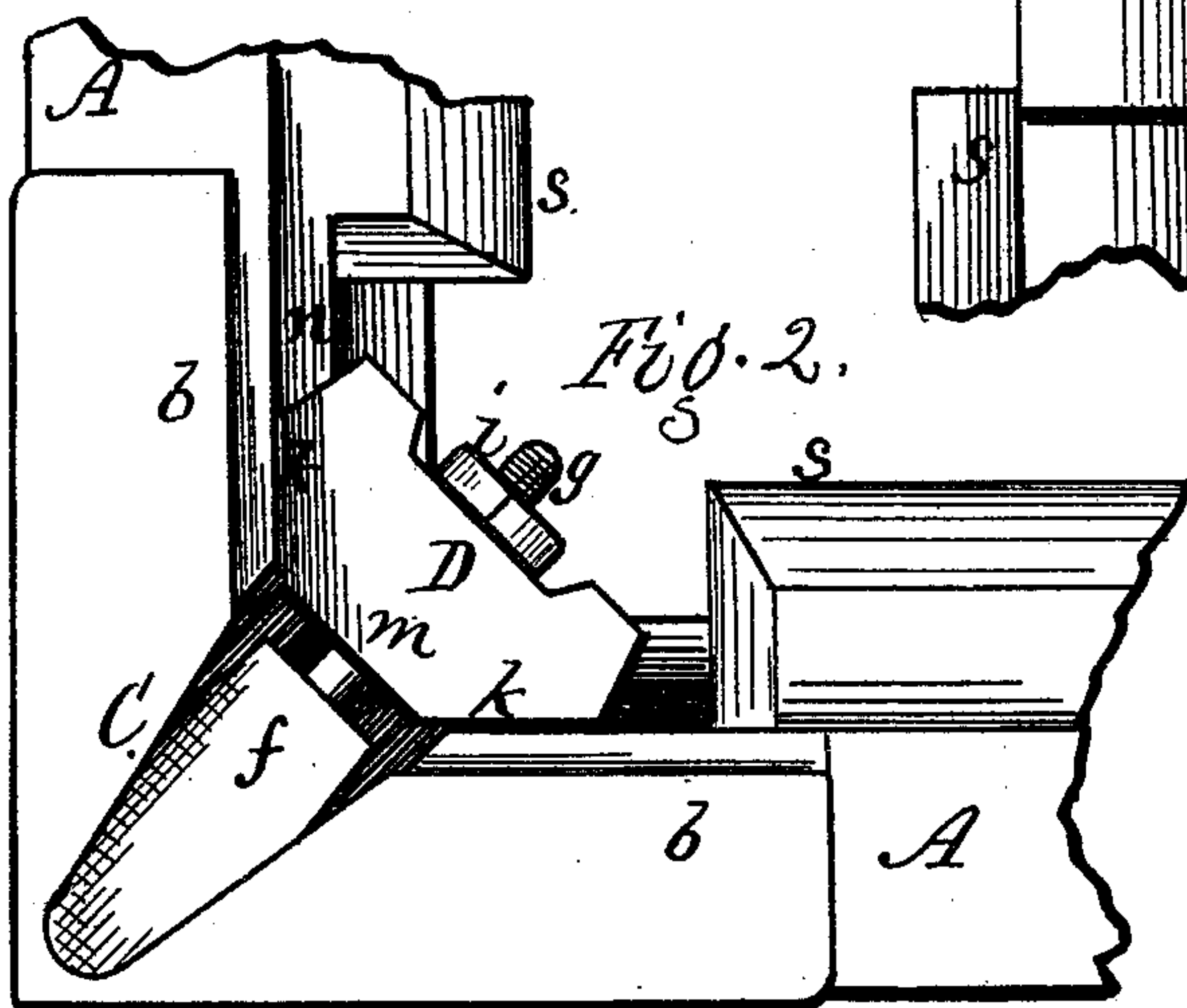
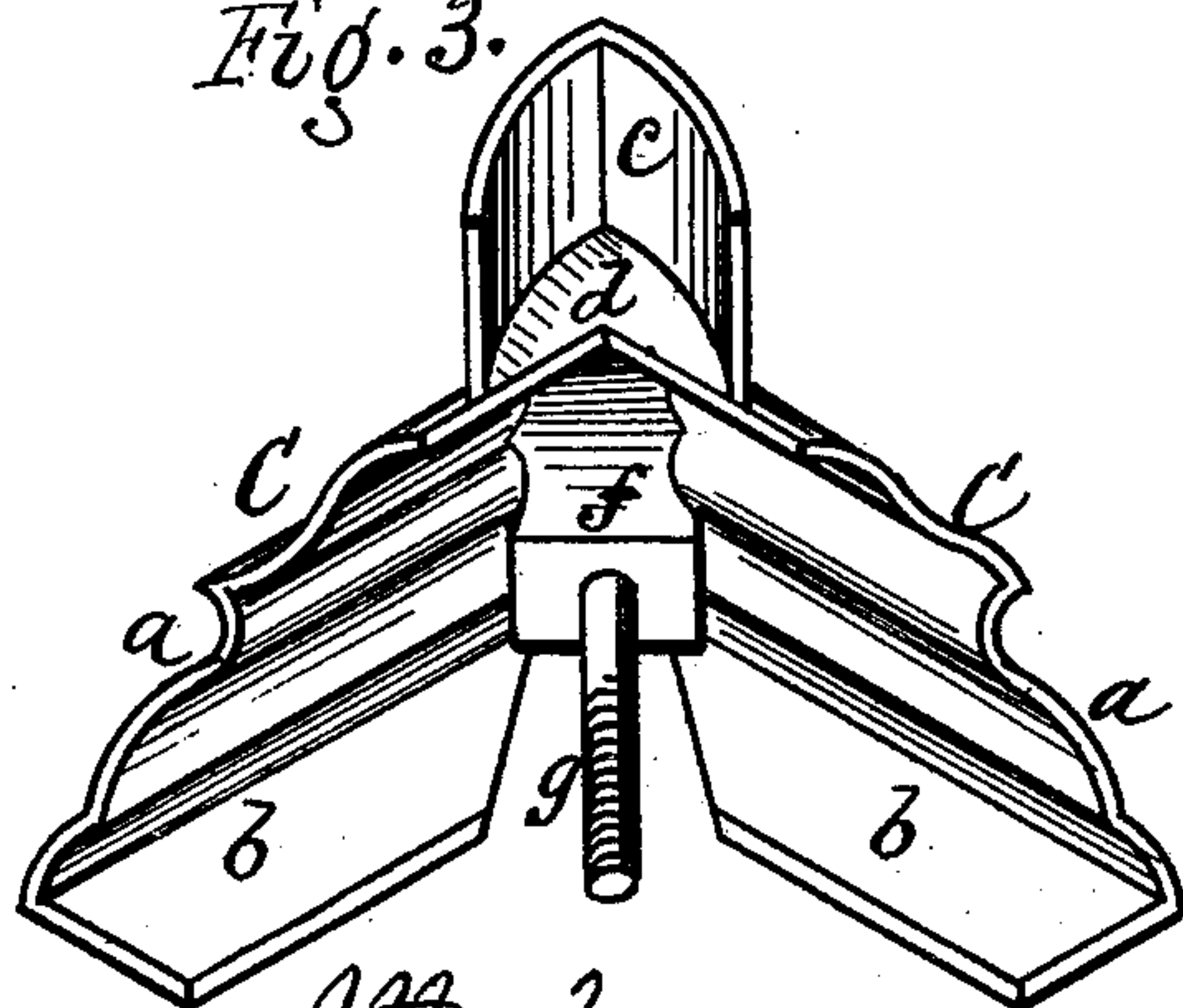


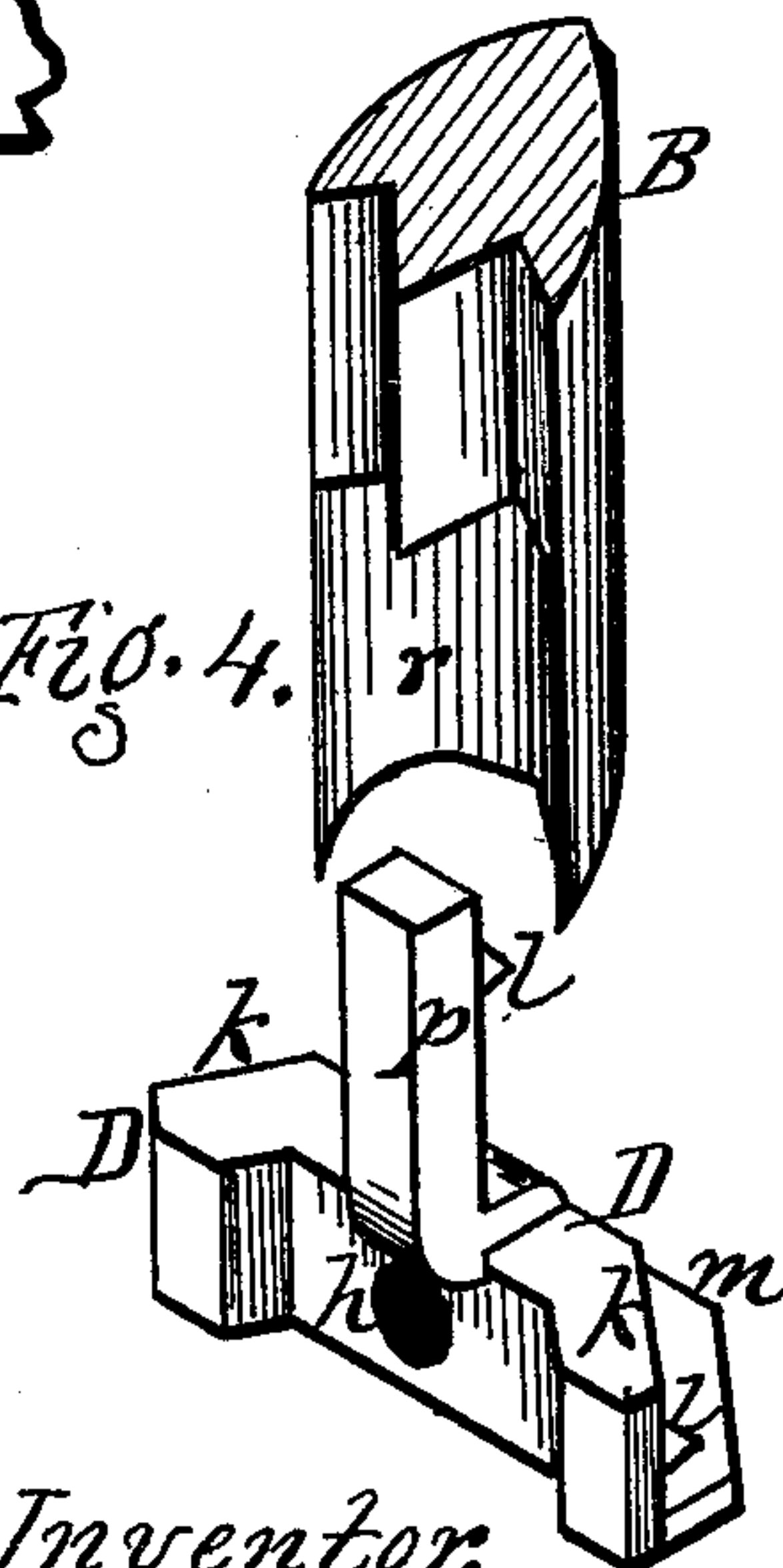
Fig. 3.



Attest.

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Fig. 4.



Inventor.

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By R. F. Cogood,
Att'y.

UNITED STATES PATENT OFFICE

SAMUEL STEIN, OF ROCHESTER, NEW YORK.

IMPROVEMENT IN SHOW-CASES.

Specification forming part of Letters Patent No. 190,638, dated May 8, 1877; application filed January 29, 1877.

To all whom it may concern:

Be it known that I, SAMUEL STEIN, of the city of Rochester, in the county of Monroe and State of New York, have invented a certain new and useful Improvement in Show-Case Corners; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a top view of a show-case corner, showing my improvement. Fig. 2 is a bottom view of the same. Fig. 3 is a perspective view of the metallic corner removed from the moldings. Fig. 4 is a perspective view of the clamping-washer and the end of one of the vertical posts of the show-case.

My improvement relates to metallic attachments for show-case corners, so arranged as to allow the wooden moldings to be removed or disconnected at pleasure, thereby greatly facilitating transportation and storage, by packing in compact form.

The invention consists in the construction and arrangement of parts hereinafter more fully described and definitely claimed.

A A represent the two base-moldings, which meet at one corner at the bottom of a show-case frame. B is one of the vertical posts which connect the base with the top of the show-case. C is the metallic corner-piece which unites the said parts. It may be made of cast metal, or swaged or stamped from sheet metal. The right-angled ends *a a* are beaded or otherwise shaped to receive the ends of the wooden moldings, and produce an accurate fitting of the same, so that the corner-piece will not project in an unsightly manner, and at the bottom it has two plain right-angled flanges, *b b*, which overlap and rest beneath the bottom of the moldings, thereby preventing the latter from dropping out. In the center of the angle, at the top, is an open socket, *c*, to receive the end of the post B, the opening being on the inside, and said socket having a bottom, *d*, covering part of the space, said bottom serving as a stop to the end of the post, to prevent it from going down too far. The corner-piece is also provided, centrally of its depth, with a lug or bearing, *f*, projecting inward from the angle, and pro-

vided with a screw-stem, *g*, for the attachment of the washer and nut, as will presently be described. Where the corner-piece is made of cast metal, the screw-stem is preferably placed in the mold separately, and the covering cast around it.

D is the washer, which is usually made of cast-iron, having a hole, *h*, into which the screw-stem *g* enters, and is held by a nut, *i*. The washer is of the form shown in Fig. 4. It is cast with two angular sides, *k k*, which fit the corresponding sides of the moldings A A, and these angular sides have each a sharp-pointed lug, *l*, which, when the washer is pressed up by the nut, strikes into the wood of said molding, and prevents any end movement outward of the same. The angular sides of the washer also serve as clamps to press the moldings tightly in their seats. At the bottom of the washer is a horizontal flange, *m*, standing inward toward the moldings, and resting under the ledge *n* of the moldings, whereby the latter are kept in true horizontal position. At the top of the washer is a vertical arm, *p*, cast solid with the washer, and projecting up into the corner socket *c*, and serving, when the washer is pressed up by the nut, to clamp the post B firmly in the said socket. For this purpose the lower end of the post is cut out to form a cavity, *r*, to admit the arm. The arm is also provided with a pointed lug, *l*, which strikes into the wood of the post, and prevents the latter from drawing out.

The construction above described, while it enables the show-case to be taken apart by simply loosening the washers D D, does not interfere in the least with the applying of the bottom and glass panels of the show-case. The bottom is laid upon the ledges *s s* of the moldings, and the glass panels are applied in their usual grooves, and secured by strips and brads, as usual; or putty may be employed. The two moldings and the post at each corner are secured fast in place by the clamping action of a single clamp. When the bottom and glass panels are in place, as above described, no part of the washer or its attachments are visible, but the whole presents the usual appearance of a show-case. When set up, if desired to give additional strength,

screws may be applied, through the flanges *b*, into the bottom of the moldings, and a screw may be also inserted, through the arm *p*, into the end of the post; but, under ordinary circumstances, such fastenings will not be required, as the washers can be turned up hard enough to hold the parts in place. Portable clamping fixtures of a similar kind may be applied at the upper corners of the show-case to secure the moldings, but different in form, as the necessities of the case require.

I am aware that metallic corner-pieces having sockets to receive the ends of the base-moldings and the vertical post are known. Such I do not broadly claim.

What I claim herein as new is—

1. In a show-case, the combination, with the corner-piece C, provided with the screw-

stem *g*, of the washer D, resting on said screw-stem and fitting said moldings, and pressed up to clamp the moldings by a nut, or equivalent, in the manner and for the purpose specified.

2. In a show-case, the washer D, constructed with angular sides *k k*, to fit the moldings, and the arm *p*, to fit the post, the angular sides and arm having the sharp-pointed lugs *l l l*, to enter the wood, in the manner and for the purpose specified.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

SAMUEL STEIN.

Witnesses:

R. F. OSGOOD,

F. A. HITCHCOCK.