

No. 782,721.

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S. E. BROWN.
SHUTTER BOWER AND FASTENER.
APPLICATION FILED MAY 3, 1904.

Fig. 1.

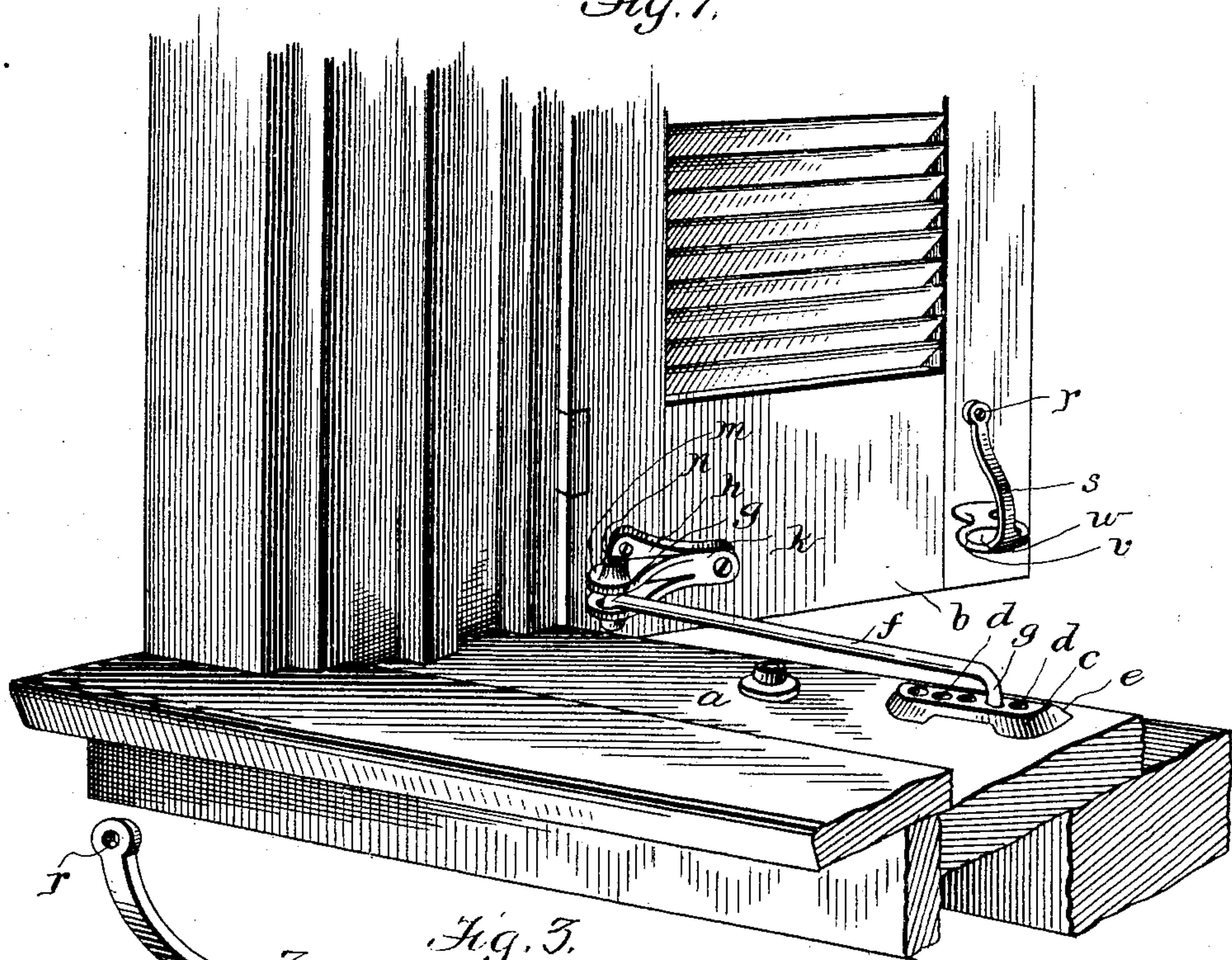


Fig. 3.

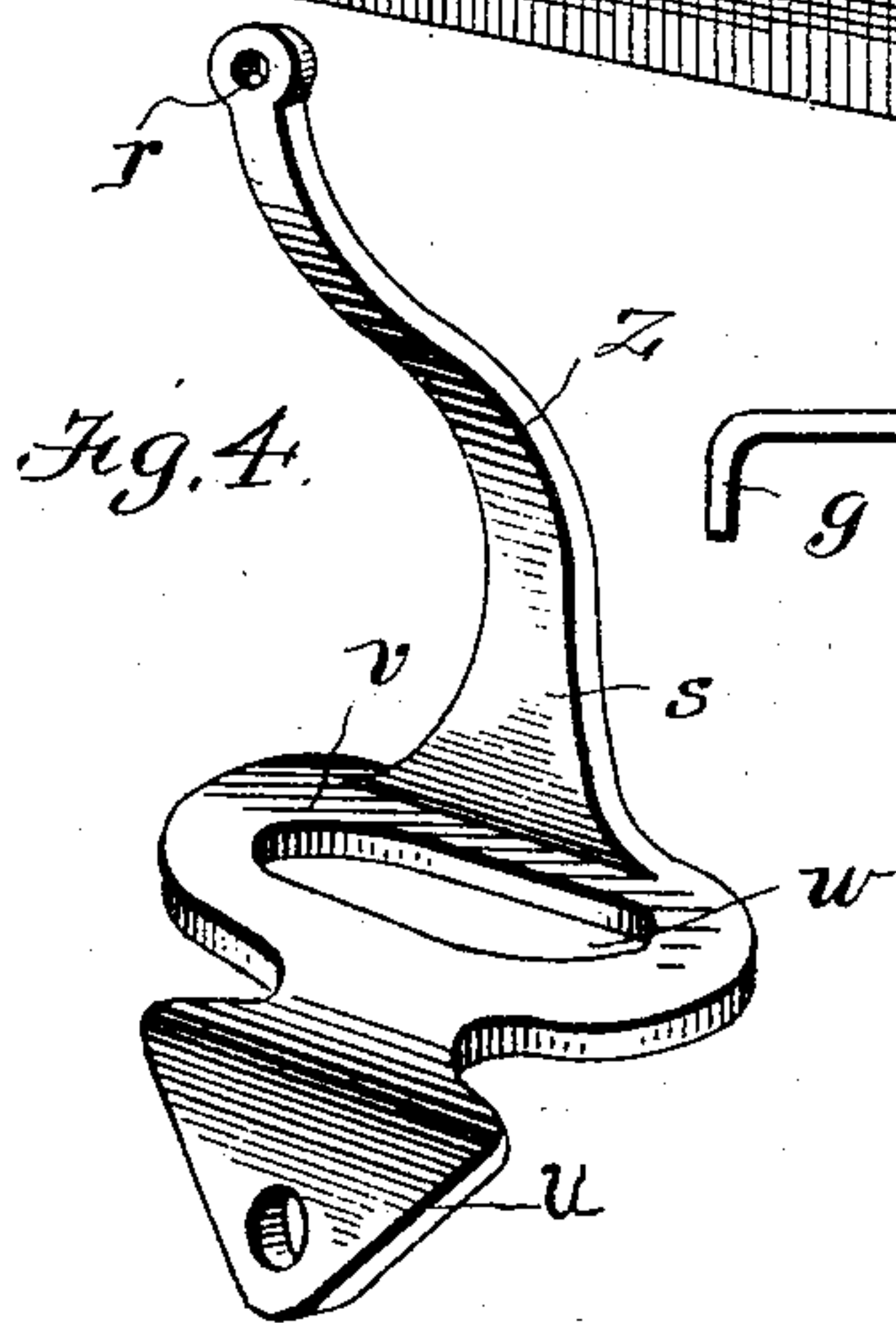


Fig. 2.

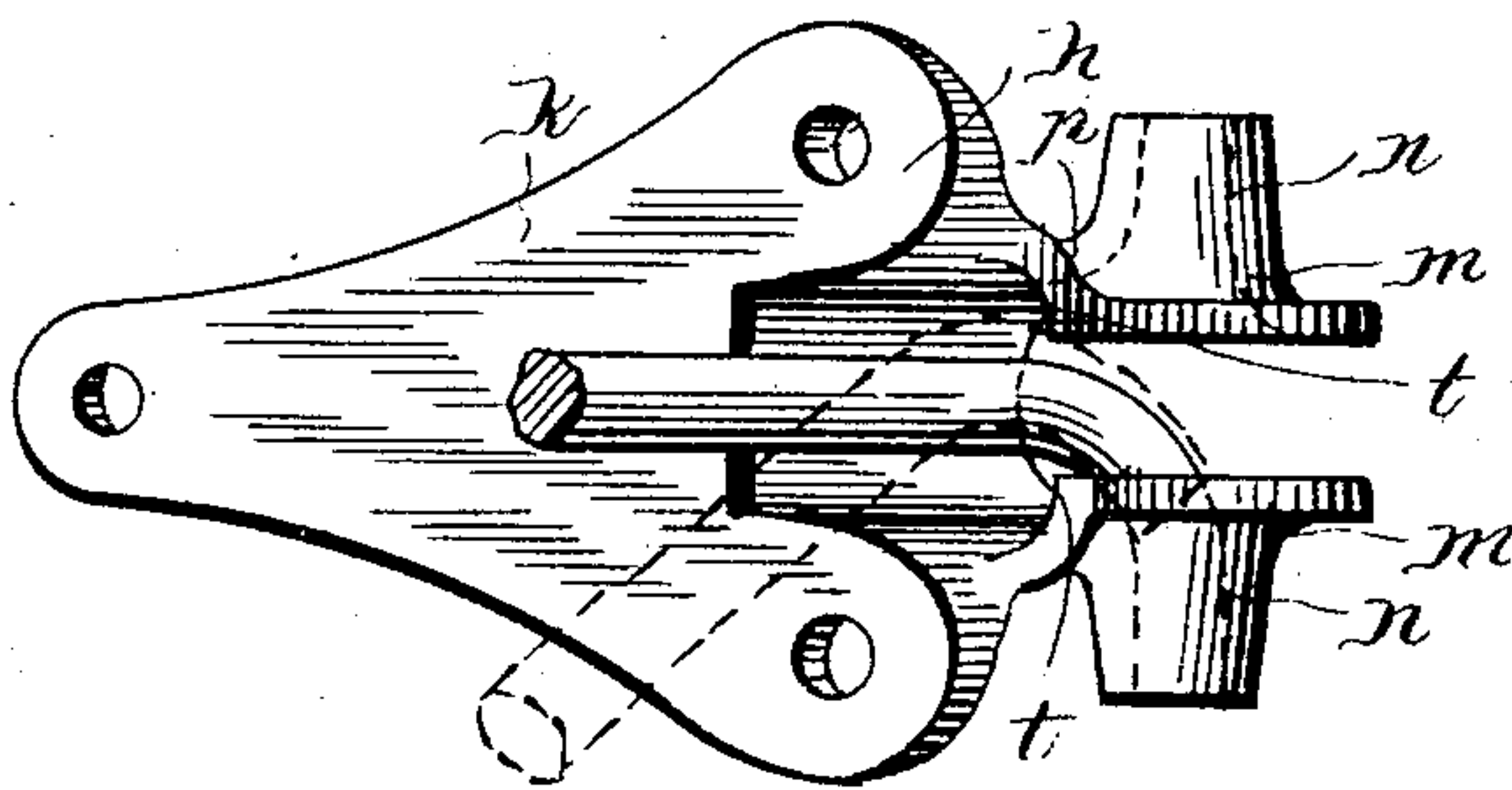
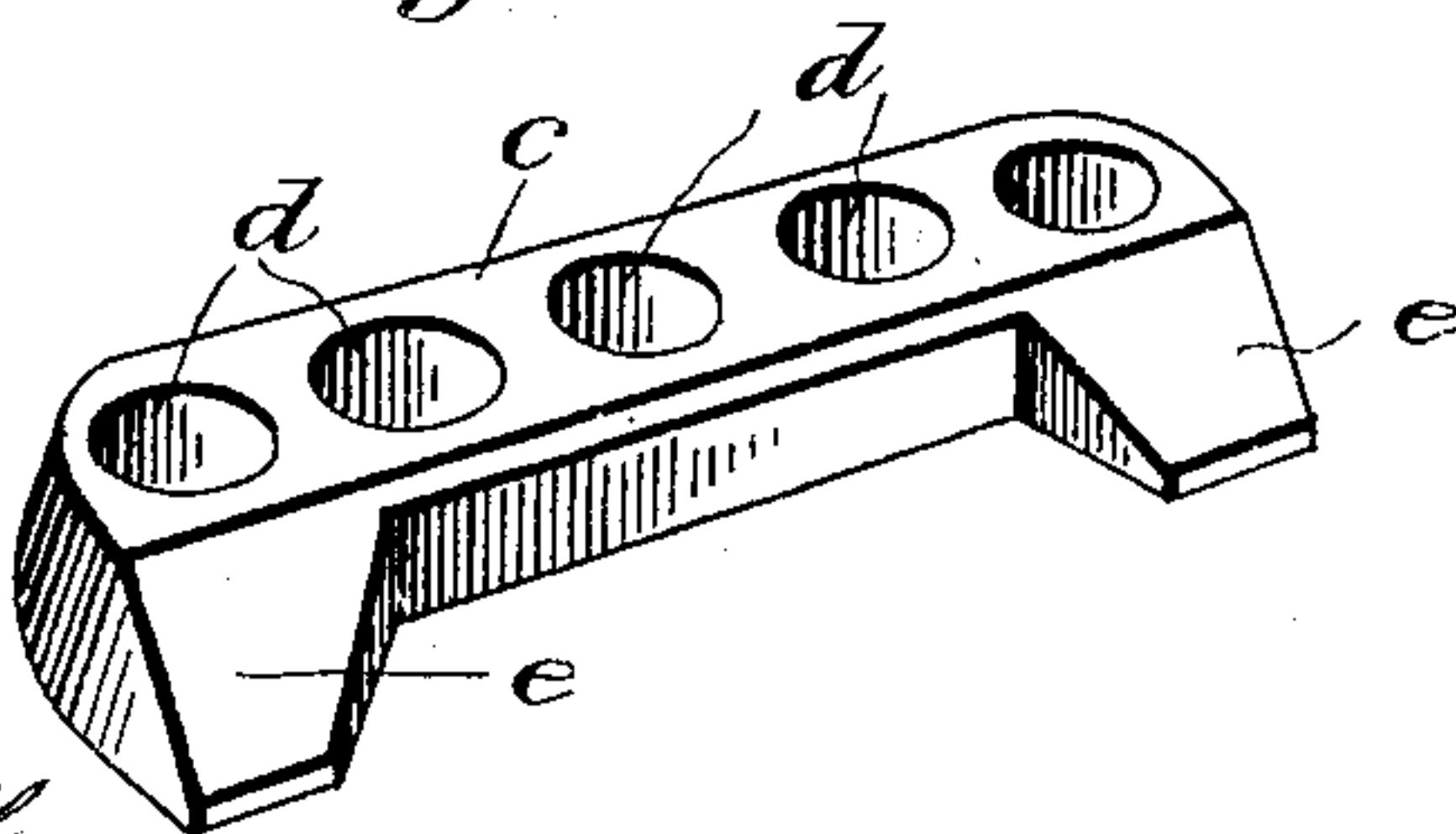


Fig. 5.



WITNESSES:

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SHUTTER BOWER AND FASTENER.

SPECIFICATION forming part of Letters Patent No. 782,721, dated February 14, 1905.

Application filed May 3, 1904. Serial No. 206,097.

To all whom it may concern:

Be it known that I, SAMUEL ELMER BROWN, a citizen of the United States, and a resident of Frederick, in the county of Frederick and State of Maryland, have made a certain new and useful Invention in Shutter Bowers and Fasteners; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the invention, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 is a perspective view showing the invention as applied. Fig. 2 is a detail plan view of the bracket *h*. Fig. 3 is a detail view of the rod *f*. Fig. 4 is a detail perspective view of the shutter pull and lock *s*. Fig. 5 is a detail view of the sill-plate.

The invention relates to devices for adjusting and fastening shutters or blinds for windows; and it consists in the novel construction and combination of parts, as hereinafter set forth.

The object of the invention is to provide a shutter bower and fastener of ready application and effective operation which is at the same time designed to be used on either a right-hand or a left-hand shutter or blind.

In the accompanying drawings, illustrating the invention, the letter *a* designates the sill portion of a window, and *b* the lower portion of a blind or shutter.

The letter *c* designates the sill-plate, which is provided with a series of catch-openings *d* in line with each other and is formed at each end with an incline *e* on its outer side. This plate is secured to the sill by means of screws.

f indicates the brace and fastening rod, which is formed with an engagement-bend *g* at each end.

The shutter is provided near its hinge edge with a reversible bracket *h*, consisting of the base or attachment plate *k* and the lugs *m m*, one above the other. These lugs are of similar form and are made horizontally broad, as shown, in order to provide guards to prevent the engaged end of the rod *f* from becoming disengaged while in operative position. Each

lug is provided with a catch opening or hole *n*, which is axially in line with the other, and these openings may be provided with thimble-guards or circular lips on the outside surfaces of the lugs, as indicated. Offset notches *p* may be made in connection with these openings in the lugs. This bracket is a right and left-hand attachment, as it will be in position for operation whether it be attached to the right-hand shutter or to the left-hand shutter. The interval between the lugs of the bracket is but little wider than the diameter of the fastening-rod *f*, being so designed in order that while the rod can be readily moved for adjustment it cannot be withdrawn or disengaged from either catch-opening of the bracket while the latter is attached to the shutter. The bracket end of the bent brace-rod may extend upward or downward. If the bends of this rod extend in opposite directions, it will engage the upper lug of the bracket. If the bent ends extend in the same direction, it will engage the lower lug. In either case the opposite lug forms the guard to prevent disengagement. In order to detach the rod, the bracket must be taken off the shutter, and then the bent end of the rod can be turned out of the catch-opening of the lug through the back groove or notch *t*, which is made in the lug toward the base-plate by which it is guarded. In this construction the broad margin of the lug extends around the catch-opening and prevents the bent end of the rod from being withdrawn therefrom except at the back groove or notch *t*, where the lug is recessed sufficiently to allow the requisite play for turning the end of the bracket out of engagement.

The shutter pull and lock *s* is attached to the shutter near its free edge and in such position that when the shutter is fully closed the broad horizontal perforated plate *v* of this pull will come over the sill-plate. In this position the catch-opening *w* of this plate will be over the catch-opening of the sill-plate and will engage the bent end of the rod *f* when such end is placed in engagement with the end opening of said sill-plate, thus securing the shutter and locking it closed. The incline *e* at the end of the sill-plate serves to

guide the end of the rod *f* up to the top of the sill-plate to engage the end hole thereof. From the end of the plate *v* extends upward the pull-arm *z* in bent form, its upper end
5 being provided with an opening *r* for an attachment-screw whereby it is fastened to the shutter. The lower end of the pull is attached to the shutter by means of a screw engaging an opening in the base-flange *u*. The
10 horizontal perforated lock-plate *v* is usually provided with two holes for engaging the brace-rod, one hole on each side of the pull-arm, which extends upward from the edge of the lock-plate in bent form, as shown, there-
15 by allowing the brace-rod to be swung out of engagement in opening the shutter, or the two holes may be joined together, if found desirable. The perforated pull-arm being at-
20 tached to the shutter forms a strong grasp-loop, which will enable the operator to adjust the shutter with facility.

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

25 1. In a shutter-worker, the combination

with the reversible shutter-bracket having broad guard-lugs provided with catch-openings in line with each other, and with a disengagement-groove extending backward, of a bent-end fastening-rod, substantially as speci- 30
fied.

2. In a shutter-worker, the combination with the reversible shutter-bracket having broad guard-lugs provided with catch-openings in line with each other, and with a rear 35
disengagement-groove, of a broad perforated lock-plate having a bent pull-arm extending upward to the shutter, and a bent-end fastening and brace rod, substantially as specified. 40

3. In a shutter-worker the broad perforated lock-plate having the bent pull-arm extending upward from its front edge to the shutter, substantially as specified.

In testimony whereof I affix my signature in 45
presence of two witnesses.

S. ELMER BROWN.

Witnesses:

GEO. E. WILCOXON,
ELMER C. RAILING.