

No. 707,900.

Patented Aug. 26, 1902.

M. H. BOYCE.
SHADE HANGER.

(Application filed June 6, 1902.)

(No Model.)

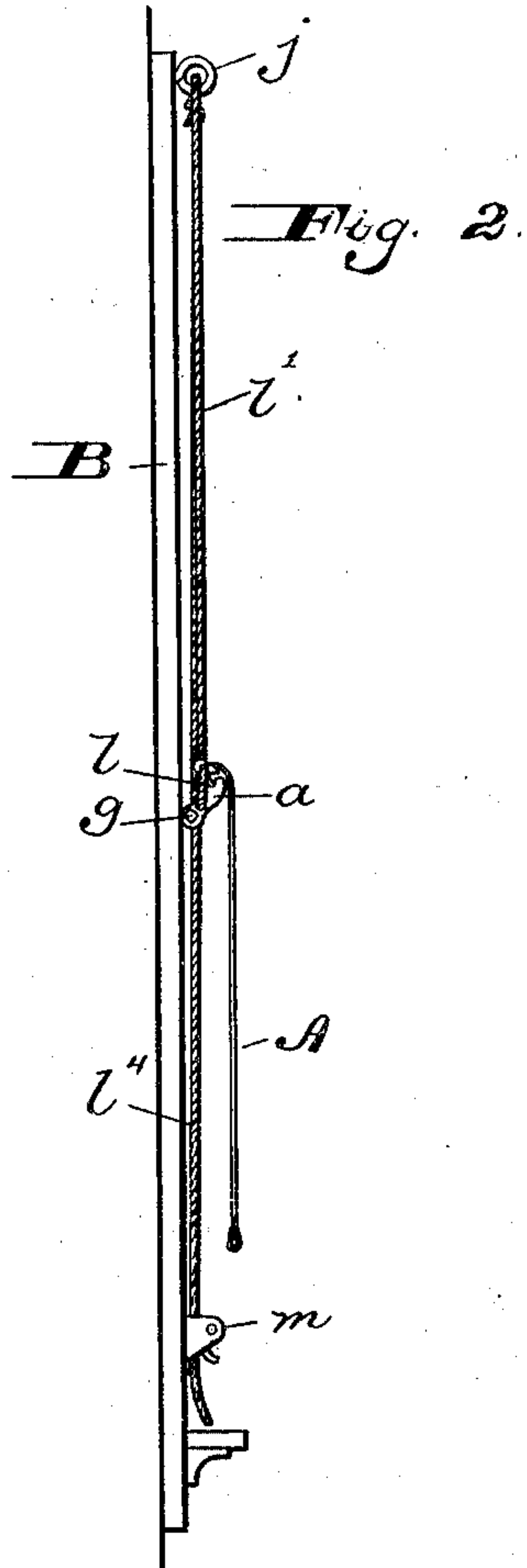
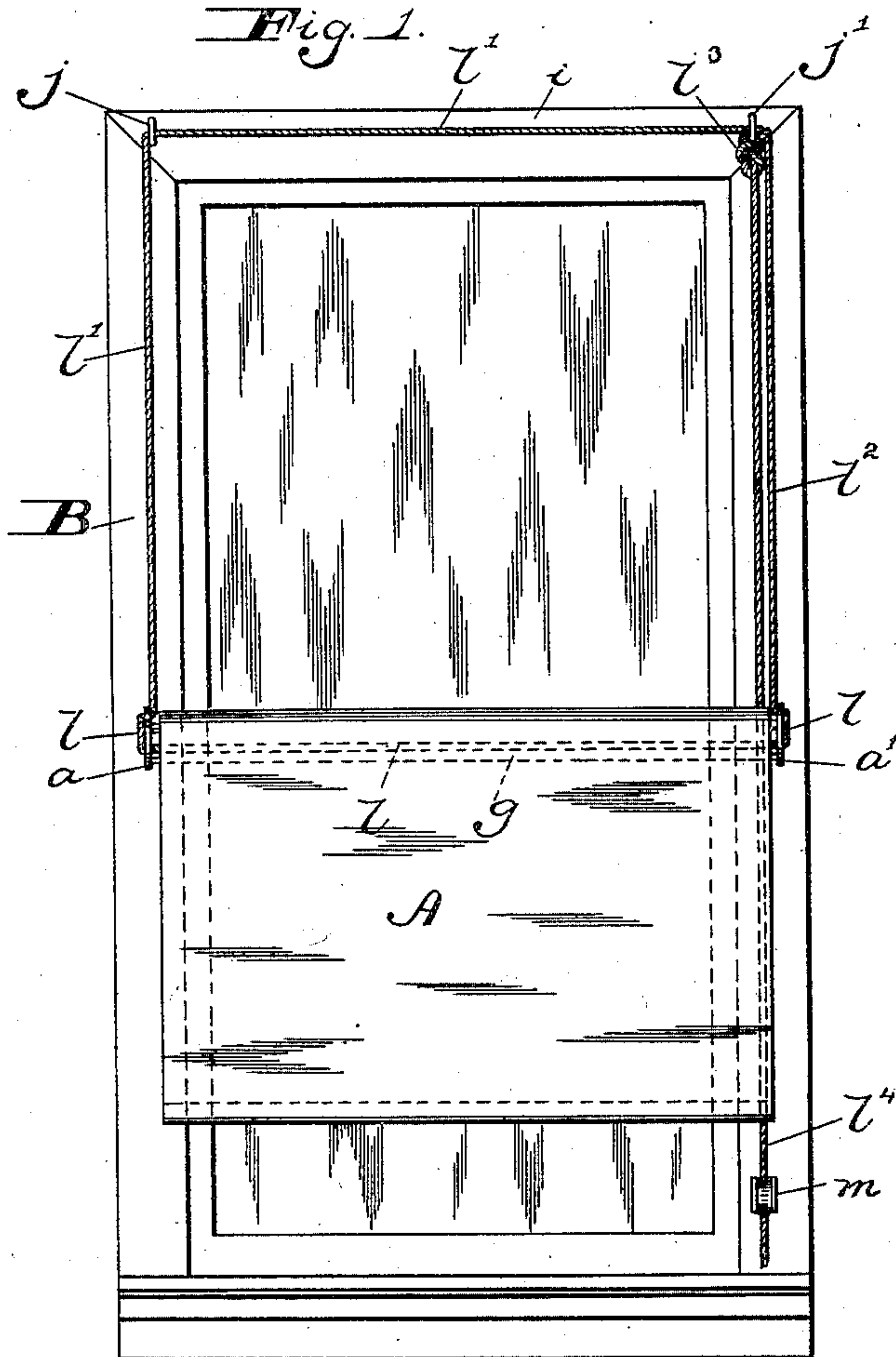


Fig. 3.

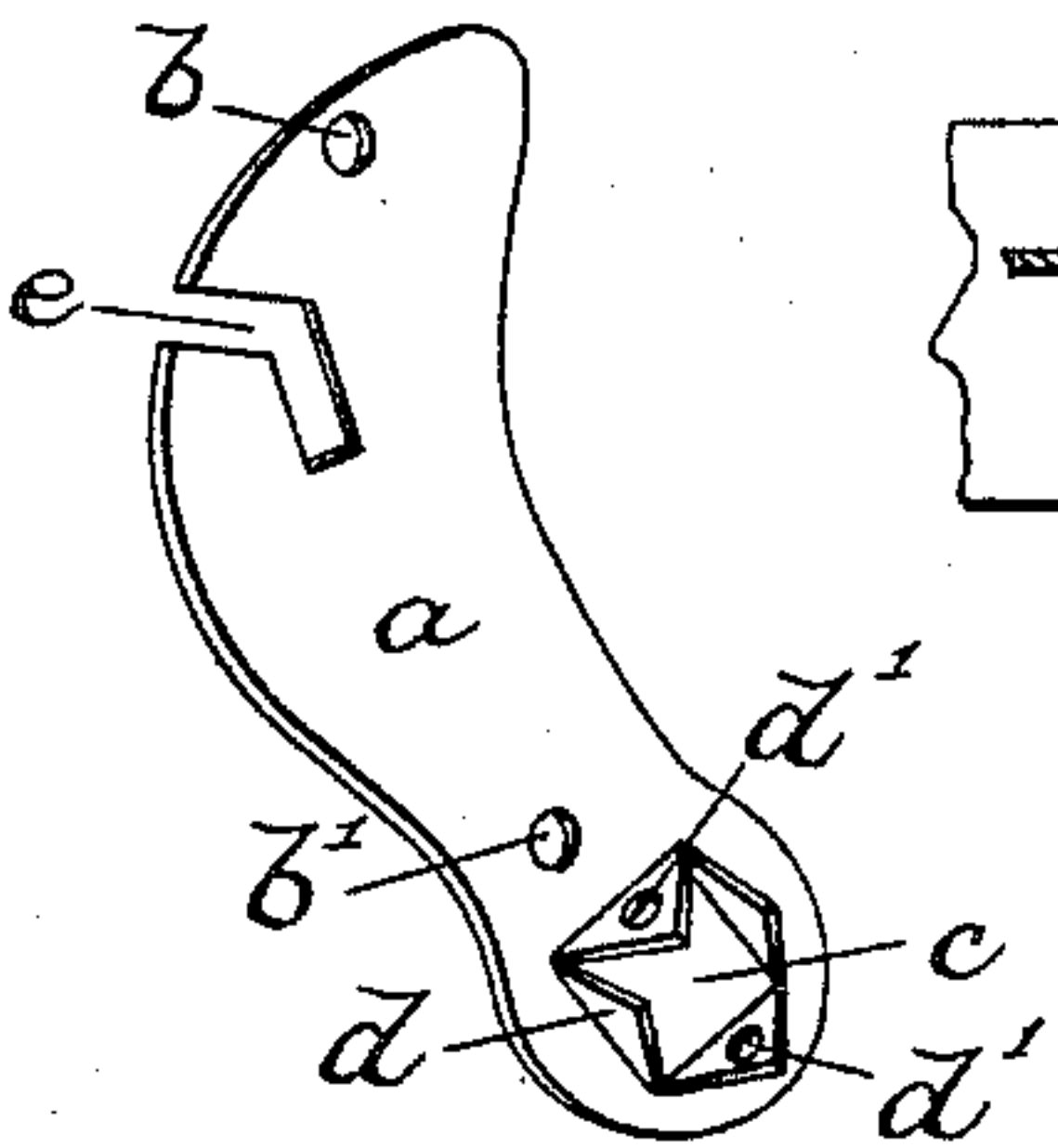


Fig. 5.

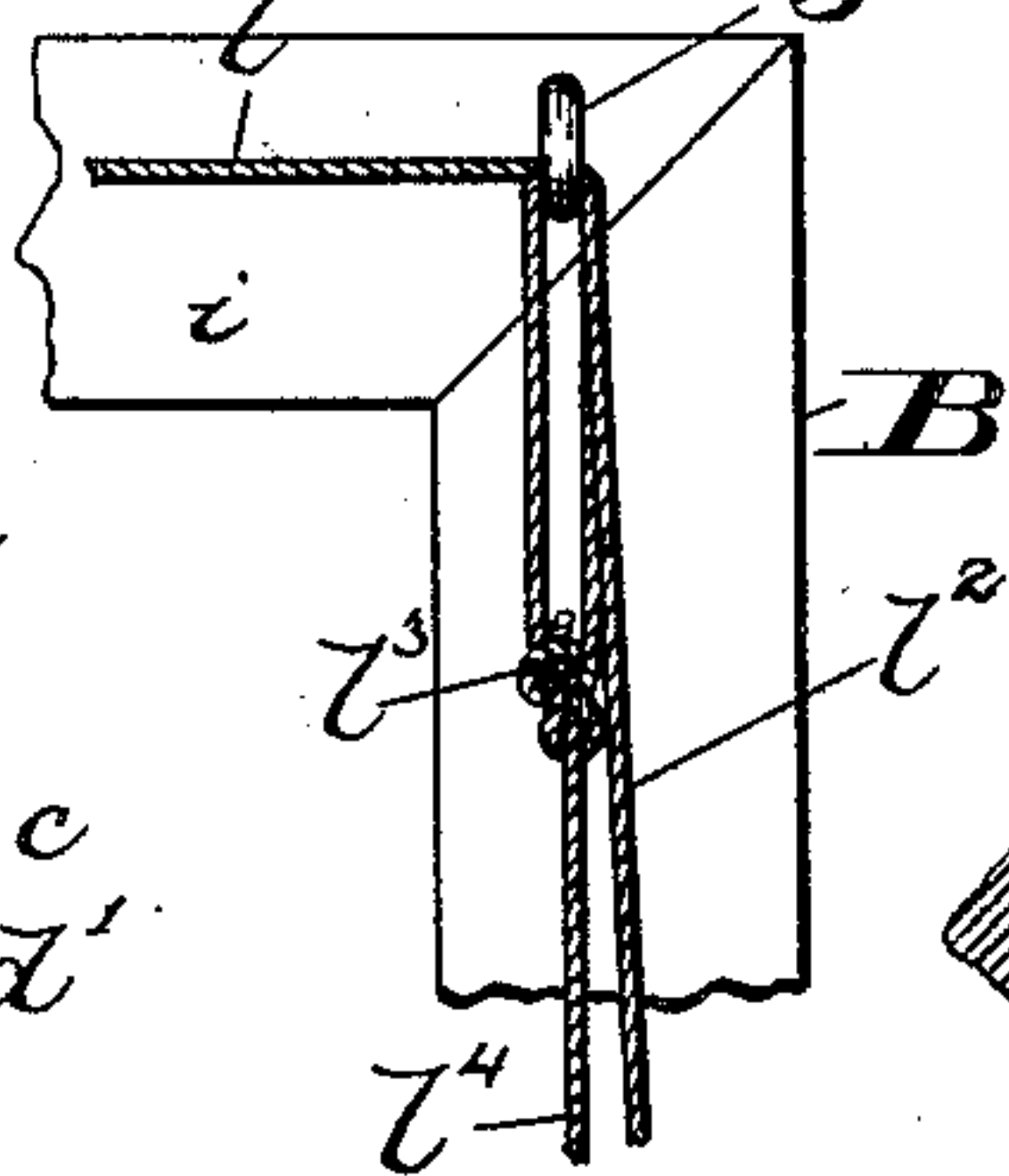
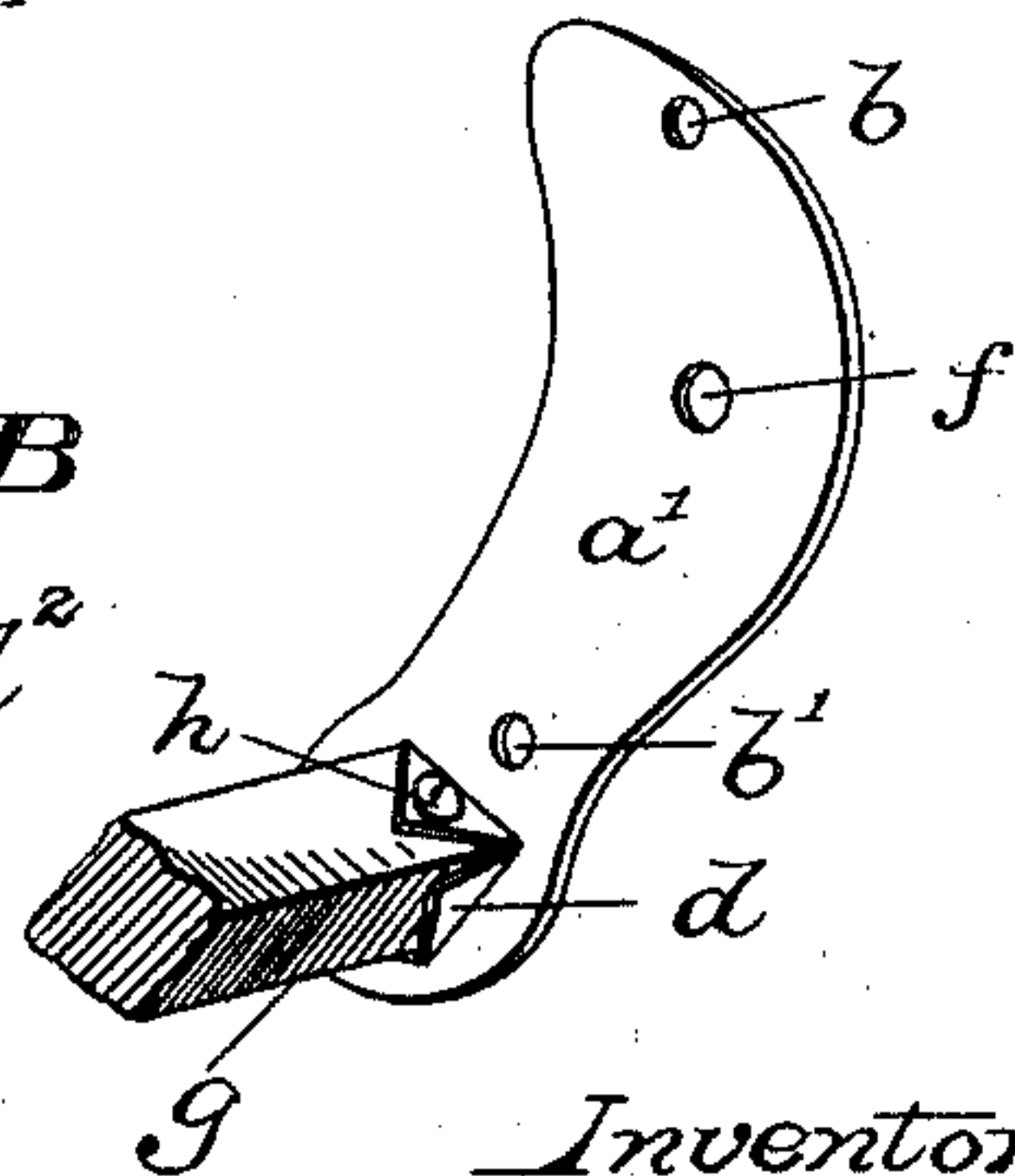


Fig. 4.



Witnesses.
H. J. Meyer.
Frederick S. Stitt.

Inventor.
Markland H. Boyce
By Mann & Co,
Attorneys

UNITED STATES PATENT OFFICE.

MARKLAND H. BOYCE, OF BALTIMORE, MARYLAND, ASSIGNOR OF ONE-HALF TO ROBERT McCLINTOCK, OF BALTIMORE, MARYLAND.

SHADE-HANGER.

SPECIFICATION forming part of Letters Patent No. 707,900, dated August 26, 1902.

Application filed June 6, 1902. Serial No. 110,425. (No model.)

To all whom it may concern:

Be it known that I, MARKLAND H. BOYCE, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Shade-Hangers, of which the following is a specification.

This invention relates to improvements in that class of shade-hangers which are adjustable vertically on a window-frame, whereby the shade carried by the hangers may be raised and lowered as a whole to serve as a shade for both the upper and lower sashes or for the lower sash alone.

The invention consists in certain constructions and arrangements of parts hereinafter fully described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a face view of a window-frame against which my improved device is holding a shade in position to cover the lower sash only. Fig. 2 is an end elevation thereof. Fig. 3 is a perspective view of one bracket of the device. Fig. 4 is a similar view of the other bracket with a portion of the connecting-rod secured thereto. Fig. 5 is a fragmentary view illustrating the adjusting-cords in a different position from that shown in Figs. 1 and 2.

Referring to the drawings, the letters *a a'* designate, respectively, two brackets, preferably of sheet metal, each of which is provided with two apertures *b b'* and at one end with a socket *c*, whose walls are surrounded by integral tangs *d*, preferably struck up in the operation of forming the socket. Each of two opposite tangs is provided with an aperture *d'*. One of the brackets is also provided with an angular slot *e* to receive one pintle of the roller of a shade *A*, and the other bracket is provided with a hole *f* for the other pintle of the said roller, the said slot and hole being located between the two apertures *b b'*.

The two brackets *a a'* are connected together by a preferably wooden rod *g* of a length equal to the shade-roller, the two ends of said rod being inserted in the sockets *c* of the brackets and secured therein by nails or screws *h*, passing through the tangs and into the rod, as indicated in Fig. 4.

At opposite ends of the upper stile *i* of the window-frame *B* are secured two eyes *j j'*,

through which the suspending and adjusting cord *l* of the hanger device is passed. Said cord *l* is all in one piece, and it extends from one bracket *a* to the other *a'* and is passed outwardly through the apertures *b'* and then inwardly through the apertures *b*. One portion *l'* of said cord then extends upwardly and inwardly through one of the eyes *j* and across to and through the other eye *j'*, and the other portion *l''* extends upwardly from the bracket *a'* and passes inwardly through the adjacent eye *j'* and is then secured to the first-named portion by a knot *l'''*. One end *l''''* of the cord extends below said knot, in position to be grasped by the hand to raise and lower the device, and a suitable catch *m* is provided for said end. As shown in Fig. 1, the knot *l'''*, which secures together the two portions of the cord *l*, serves as a stop when it contacts with the eye *j'*, whereby to limit the downward movement of the shade as a whole when its roller reaches the middle of the frame about the meeting-rails of the two sashes.

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

1. A vertically-adjustable shade-hanger, comprising two brackets arranged to receive the pintles of the shade-roller and each provided with two apertures, *b, b'*, and a socket, *c*; a rod inserted in said sockets whereby to connect one bracket with the other; eyes, *j, j'*, adapted to be secured to the window-frame; and a cord extending from one bracket to the other out through one aperture in said brackets and inwardly through the other aperture, one portion of said cord extending upwardly and inwardly through one eye, *j*, and across to and through the other eye, *j'*, and the other portion of said cord passing upwardly and inwardly through the adjacent eye, *j'*, and connected to the first-named portion by a knot, whereby to limit the movement of the cord in one direction through said eyes, as set forth.

2. A vertically-adjustable shade-hanger, comprising two brackets arranged to receive the pintles of the shade-roller and each provided with two apertures, *b, b'*, and a socket, *c*, whose walls are surrounded by tangs, *d*, in two opposite of which are formed holes, *d'*; a rod inserted in said sockets; nails or screws

passed through said holes, d' , into said rod;
eyes, j, j' , adapted to be secured to the win-
dow-frame; and a cord extending from one
5 bracket to the other out through one aperture
in said brackets and inwardly through the
other aperture, one portion of said cord ex-
tending upwardly and inwardly through one
eye, j , and across to and through the other
eye, j' , and the other portion of said cord pass-
10 ing upwardly and inwardly through the adja-

cent eye, j' , and connected to the first-named
portion by a knot, whereby to limit the move-
ment of the cord in one direction through said
eyes, as set forth.

In testimony whereof I affix my signature 15
in the presence of two witnesses.

MARKLAND H. BOYCE.

Witnesses:

CHARLES B. MANN, Jr.,

CHARLES L. VIETSCH.