No. 714,230. Patented Nov. 25, 1902.

A. A. PEASE.

MOUNTING FOR VERTICALLY ADJUSTABLE SHADE ROLLERS.

(Application filed Dec. 10, 1900.)

(No Model.)

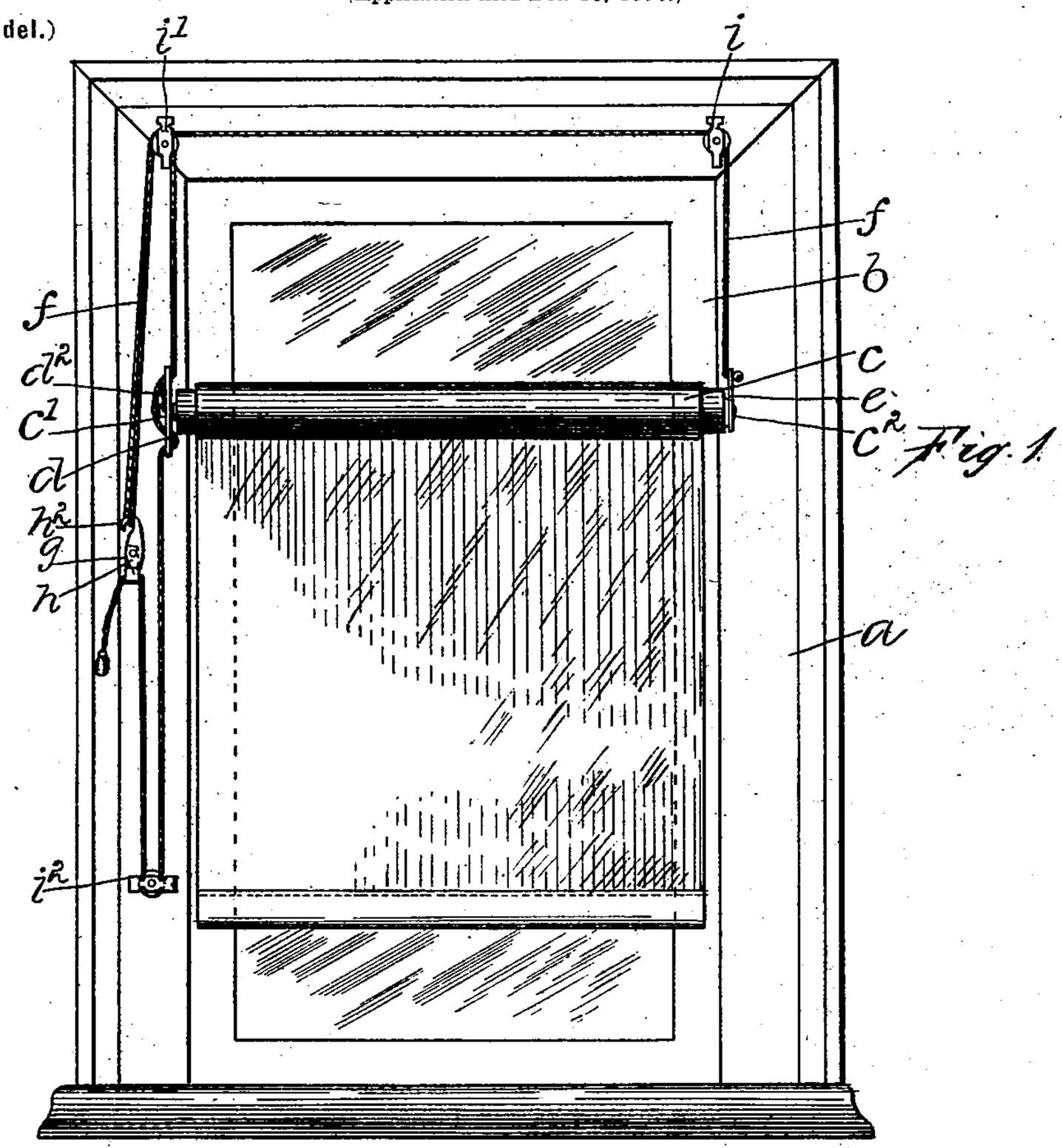

Fig. 1.

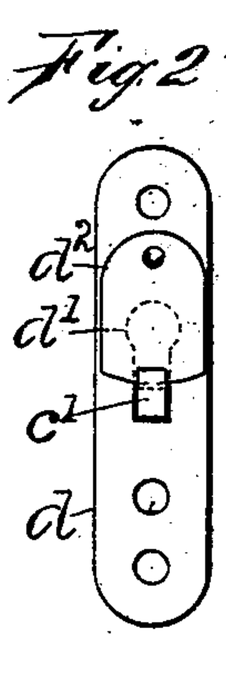

Fig. 2.

Fig. 3.

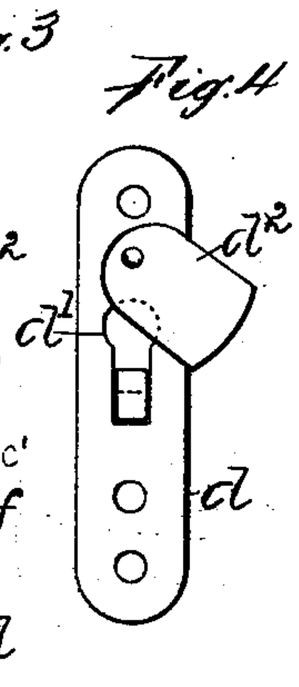

Fig. 4.

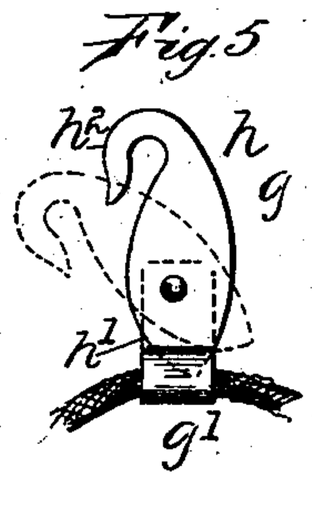

Fig. 5.

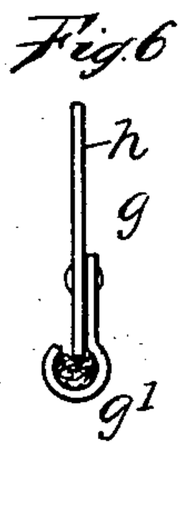

Fig. 6.

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MOUNTING FOR VERTICALLY-ADJUSTABLE SHADE-ROLLERS.

SPECIFICATION forming part of Letters Patent No. 714,230, dated November 25, 1902.

Application filed December 10, 1900. Serial No. 39,274. (No model.)

To all whom it may concern:

Be it known that I, ALBERT A. PEASE, a citizen of the United States, and a resident of Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Shade Attachments, of which the following, when taken in connection with the accompanying drawings, is a full, clear, and exact description, whereby any one skilled in the art may make and use the same.

My invention relates in general to attachments for window-shades, and more particularly to the specific class of such devices in which the support for the shade-roll and shade is bodily adjustable with relation to the window-opening.

The objects of the invention are to provide a light inexpensive device for supporting the shade-roll and shade, permitting its ready adjustment with relation to the opening to be screened without interfering with the ordinary operation of the shade-roll, to provide simple means for adjusting the shade-roll and shade relatively to the support, and to also provide an arrangement of the parts whereby the device may be readily removed from or attached to the window or other casing.

Referring to the drawings, Figure 1 is a view in front elevation of a window frame and casing with the shade and attachments in place. Fig. 2 is a front face view of the shade-supporting bracket. Fig. 3 is an edge view of the parts shown in Fig. 2 with the supporting-cord in place. Fig. 4 is a view of the shade-supporting bracket with the locking-plate thrown out to permit removal of the shade. Fig. 5 is a face view of the adjusting-clip. Fig. 6 is an edge view of the same.

In the accompanying drawings the letter *a* denotes a window-casing, *b* a window-frame, and *c* the shade-roll. The latter may be of any of the well-known forms in use for supporting a shade, providing a convenient means by which it may be rolled or unrolled to cover a greater or less portion of the window. It is, however, preferable to use a shade-roll of the form herein shown, which is a spring-roll of the well-known type which is self-rolling and automatically rolls up the shade when desired. This roll is provided at both ends with the ordinary projecting lugs c' c^2, forming bearings for the roll.

Supporting plates or brackets *d* *e* are provided with sockets into which the lugs c' c^2 fit, and these plates are provided with openings adapted to receive the cord *f*, which connects the ends of the shade-roll by what is practically an endless-cord construction.

The plate *e* has an opening forming a bearing for the lug c^2 and a second opening to which is attached the cord *f*.

The plate *d* has a keyhole-opening d', the lower end of which corresponds in size and form to the squared end of the lug c'. In this plate are arranged openings through which the cord *f* passes, and these are so disposed as to cramp the cord to prevent relative movement of the cord and plate and to prevent the turning of the plate due to the action of the spring of the roll. Upon one side of this plate *d* is pivoted a locking-plate d^2, which projects over the keyhole-opening d' and engages a recess or slot in the outer end of the lug c', which projects a slight distance through the plate. It will be noted that by this arrangement the plate *d* is not only securely locked to the lug of the roll, but the cord *f* is attached to the plate in such a manner that it exerts a sufficient hold upon the locking-plate d^2 as to prevent its accidental disengagement with the lug.

An adjusting-clamp *g* is provided by which the cord *f* may be tightened or, if desired, disconnected to remove the shade and fixture from the window. This clamp includes a socket member g', adapted to receive the cord *f*, within which it is clamped and securely held by the pivoted clamping-hook *h*, which is provided at its lower end with a cam-surface h' and at its opposite end with a hook h^2, adapted to engage the cord *f*.

Conveniently located upon the casing *a* are guide rolls or pulleys i i' i^2, about which the cord *f* passes, the pulleys i i' serving as a support for the shade and fixture.

One end of the cord is secured to the plate c^2 and passes over the pulley *i*. It is then looped, and the looped portion is carried through the pulley i' and into engagement

with the hook h^2 of the adjusting-clamp. The end of the cord is passed through the openings of the plate or bracket d and about the pulley i^2 to the socket portion of the adjusting-clamp, where it is securely held when the socket and pivoted clamping-hook are brought into alinement by the pull of the cord.

The operation of the device is obvious. The shade-roll being held in an endless-cord connection may be moved to any desired position by moving the cord f, and this may be done without affecting in any way the operation of said roll. To adjust the roll to bring it into proper parallel position, the cord f is slacked off a little by disengaging the two members of the adjusting-clamp, and the cord may then be moved through the openings of the plate d until the roll has been brought into the required position of adjustment. To remove the roll and fixture, the clamping-hook h of the adjusting-clamp g is moved into the position shown in dotted outline in Fig. 5, when the cord f may be readily removed from the socket y'.

It is apparent that the several details herein described might be modified without departing from the spirit of the invention, and it is not desired to limit the invention to the specific arrangement herein shown.

It will be noted that the immediate support for the roll at each end is loosely mounted—that is, were it not for the positive attachment of the roll at each end to such supports they would be free to assume any position with respect to each other. This feature may be called a "loose mount," and in the claim herein this term is used to describe that feature of the immediate support for the rolls at each end.

What I claim as my invention, and desire to secure by Letters Patent, is—

In combination in a shade-fixture including a flexible connection for supporting each end of the roll, the roll having at one end a lug with a recess therein, a plate having means of attachment for said connection and an opening for the reception of the lug, and a latch pivoted to the side of the plate and adapted to engage said recess.

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