

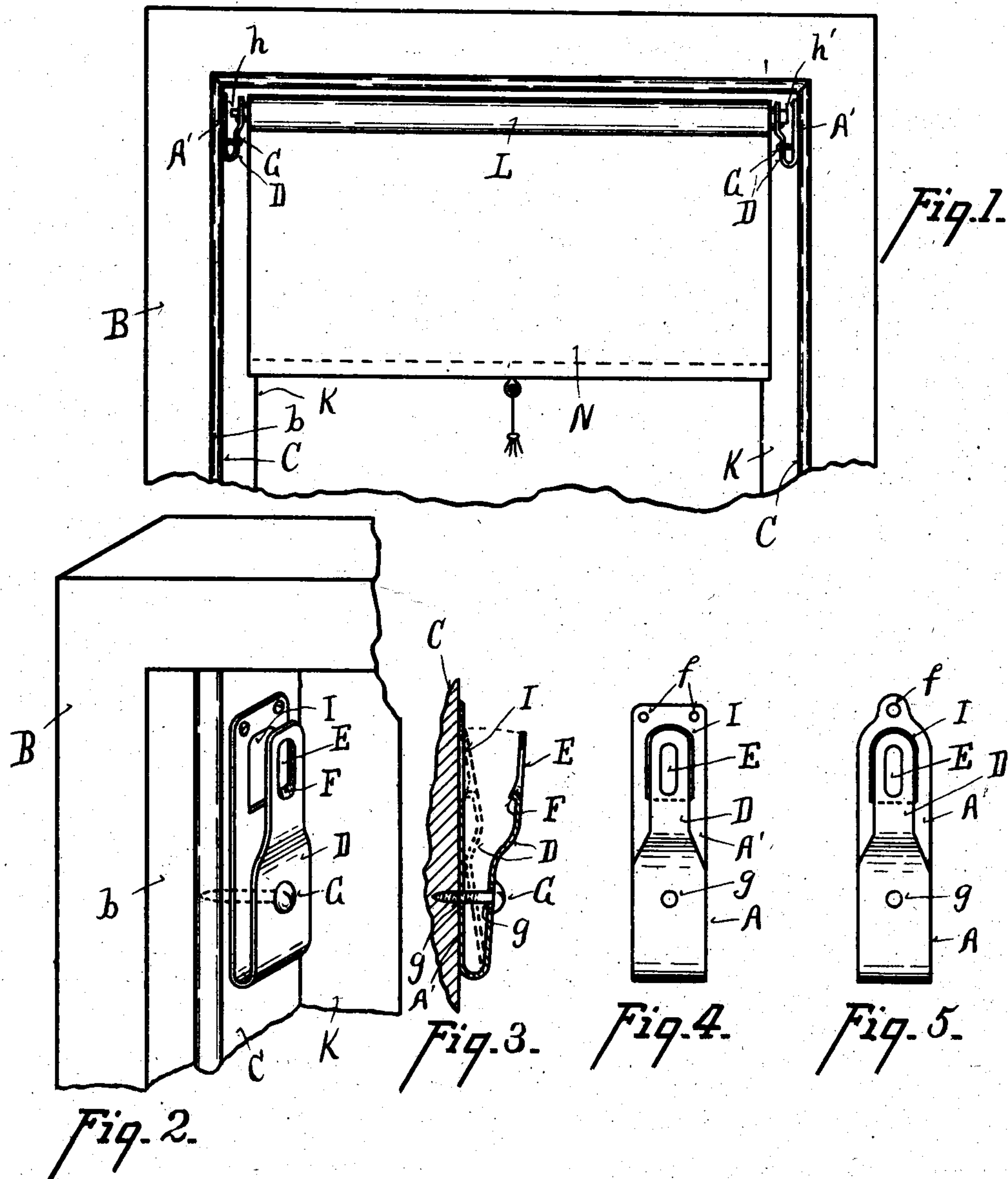
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C. E. HEINRICH.  
WINDOW CURTAIN FIXTURE.

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NO MODEL.



Witnesses  
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# UNITED STATES PATENT OFFICE.

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## WINDOW-CURTAIN FIXTURE.

SPECIFICATION forming part of Letters Patent No. 763,486, dated June 28, 1904.

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*To all whom it may concern:*

Be it known that I, CHARLES E. HEINRICH, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Window-Curtain Fixtures; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in window-curtain fixtures. One of its objects is to provide an improved and simple device adapted to support the curtain-roller and to prevent the same being detached by the movements of the sash.

Another object is to provide such a support with means for adjustment to accommodate rollers of different lengths.

Another object is to provide such a support adapted to be attached to the inside face of the window-frame or to the inner sash-guide.

It further consists in certain details of form, combination, and arrangement, all of which will be more fully set forth in the description of the accompanying drawings, in which—

Figure 1 is an inside plan view of a window-frame, showing my improved device in position for use. Fig. 2 is an enlarged perspective view of one of the roller-supports. Fig. 3 is a central vertical section through the same. Fig. 4 is a plan view of the same. Fig. 5 is a similar view showing a modification.

It is frequently necessary or desirable to mount the curtain-roller close to the inside of the sash by means of supports attached to the inner face of the window-frame or to the inner sash-guides. Such devices as have been heretofore in use have occupied too much space, have been expensive, and the roller by reason of its close proximity to the sash was liable to be detached from its supports by the movements of the sash, so as to allow the curtain and roller to fall.

My improved roller-supports consist of U-shaped pieces of metal A, preferably spring metal, one limb, A', of which is attached to the inner face b of the window-frame B or to

the face of the inner sash-guides C by means of screws or nails.

The limb D is provided with a slot E to receive the stud projecting from the end of the curtain-roller. I also preferably stamp the metal so as to turn over a projection F at the lower side of the slot, which serves as a broad and smooth bearing for the studs. I preferably support the limb A by one or more screws or nails f at the upper end and by a screw G, passing through holes pierced in both limbs, so that by screwing in the screw G to a greater or less distance the limb D may be limited in its tendency to spring away from the limb A' to any extent required by the length of the roller to be used.

In order to introduce the roller in place, the free end of limb D is pressed in toward limb A', as indicated in dotted lines, Fig. 3, until the stud h at one end of the roller is seated in the slot E. Then the stud h' at the opposite end of the roller is introduced in like manner into the slot of the opposite support. The free ends of limbs D spring back toward each other, so as to occupy a position close to the ends of the roller and are limited and prevented from pressing against the ends of the roller by the adjustment of the screws G. In order that the supports may occupy as little space as possible and yet be capable of sufficient adjustment to permit the introduction of the roller-studs into the slots, I preferably reduce the width of the free end of limbs D and provide recesses I in the limbs A' in rear thereof, so that when pressed back to receive the studs the free ends of limbs D may enter the recesses I. If desired, the window-frame or sash-guide in rear of recess I may be recessed also. K represents the sash, L the roller, and N the curtain.

I am thus enabled to provide a simple inexpensive support which will occupy a minimum amount of space and which while readily operated to insert or detach the roller effectually prevents the same being detached by the action of the sash and is capable of accurate adjustment relative to the length of the roller.

Having described my invention, what I claim is—

1. In combination with a curtain-roller, a



pair of supports, said supports consisting of U-shaped pieces of metal rigidly attached by one limb to the sides of the frame and provided with slots in the free ends of the opposite limbs to receive and support the roller-studs, said free ends being normally out of contact with the ends of the roller and adapted to be sprung out of their normal position to permit the introduction of the roller-studs.

2. A window-curtain support consisting of a U-shaped piece of spring metal, one limb of which is attached to the window-frame, and the free end of the opposite limb provided with a slot to receive the stud of the curtain-roller, and means for limiting the outward movement of the free limb.

3. A window-curtain support consisting of a U-shaped piece of metal, one limb of which is attached to the window-frame, a slot in the free end of the opposite limb and a screw passing through both limbs to limit the outward movement of the free limb.

4. A window-curtain support adapted to be secured to the inner face of the window-frame,

consisting of a U-shaped piece of metal, one limb being adapted to be attached to the frame, and provided with a recess I, the free end of the opposite limb being reduced in width to enter said recess, a slot in said free end to receive the roller-stud, a projection on the lower side of said slot to form a wide bearing, and an adjusting-screw passing through both limbs and into the window frame or guide.

5. In combination with a curtain-roller, a pair of supports adapted to be attached to the inside faces of the window-frame, said supports consisting of U-shaped pieces of metal attached by one limb, slots in the free ends of the opposite limbs to receive the roller-studs, and means for adjustably limiting the movement of the free limbs.

In testimony whereof I have affixed my signature in presence of two witnesses.

CHARLES E. HEINRICH.

Witnesses:

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