

(No Model.)

A. B. DUNKLE.  
WINDOW SHADE FIXTURE.

No. 428,332.

Patented May 20, 1890.

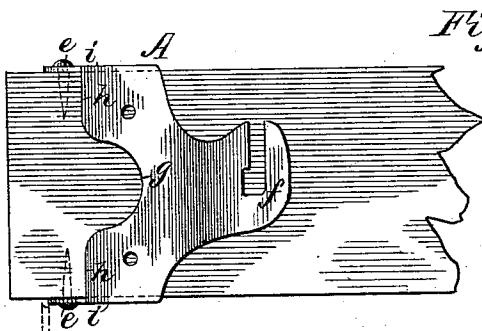
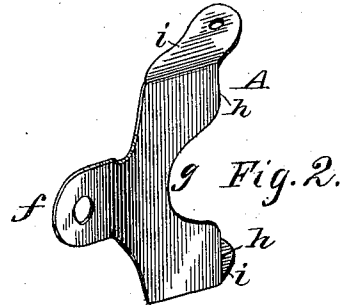
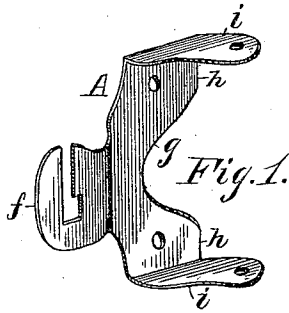


Fig. 3.

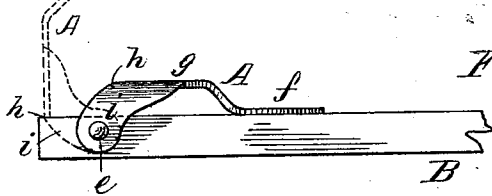
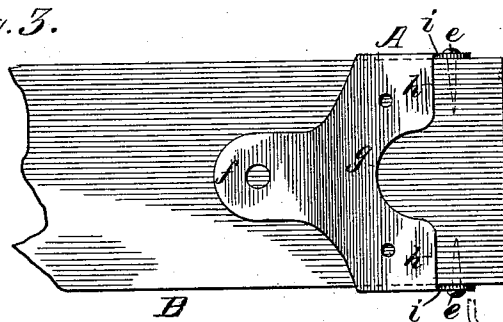


Fig. 4.

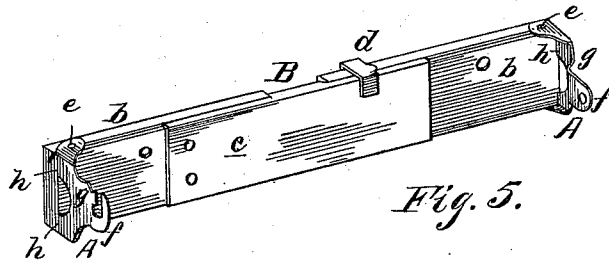
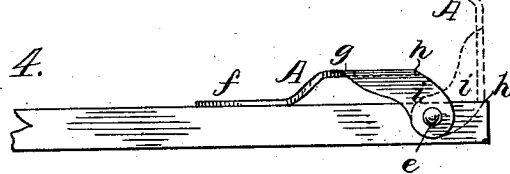


Fig. 5.

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# UNITED STATES PATENT OFFICE.

ABRAHAM B. DUNKLE, OF STEELTON, PENNSYLVANIA.

## WINDOW-SHADE FIXTURE.

SPECIFICATION forming part of Letters Patent No. 428,332, dated May 20, 1890.

Application filed November 5, 1889. Serial No. 329,303. (No model.)

*To all whom it may concern:*

Be it known that I, ABRAHAM B. DUNKLE, of Steelton, in the county of Dauphin and State of Pennsylvania, have invented certain new and useful Improvements in Window-Shade Fixtures, of which the following is a full, clear, and exact description.

The invention consists in an improved form of roller-carrying brackets which are adapted to fold when not in use.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the views.

Figures 1 and 2 represent views in perspective of a pair of shade-roller brackets constructed in accordance with my invention and only differing from each other in the one of them having a vertical open-ended slot in its head and the other an inclosed aperture, as usual in other window-shade brackets, to form a support and bearing for the ends of the window-shade roller. Fig. 3 is a front or face view of an independent bracket-carrying non-extension strip, broken away in the middle, with the brackets attached and as shut or laid down on said strip. Fig. 4 is an upper edge view of the same, and Fig. 5 a view in perspective of a window-shade-roller strip of an extensible construction with the brackets applied thereto and as thrown out or into position for reception of the window-shade roller.

A A indicate the roller-brackets, and B an independent strip to which they may be attached without having resort to the ordinary means of securing them, whereby said brackets are supported without the necessity of attaching them directly to the window-frame, and whereby they may be readily placed in position for use by simply securing said strip by nails or screws to the window-frame. In Figs. 3 and 4 this strip B is represented as a non-extensible one of a suitable length for a window-frame of given width, and in Fig. 5 it is shown as an extension, one which may be extended or contracted to suit windows of different widths, and which may be constructed substantially as shown and described in Letters Patent of the United States, Serial No. 398,137, issued to me on February 19, 1889, excepting the ends of the strip or outer ends

of the sliding sections *b b*, of which, in connection with a face strip or plate *c*, it is composed, and has combined with it a catch or clamp *d* for holding the sliding parts together, so that frictional contact will restrain their independent movement, or said strip may be otherwise made extensible. Whether the bracket-carrying strip B be an extensible or non-extensible one, the roller-brackets A A are similarly constructed and similarly attached to the ends of the strip, so as to permit of them being laid down on the strip when not in use, as shown by full lines in Figs. 3 and 4, and of being swung or thrown out into position for use, as shown by dotted lines in Fig. 4 and by full lines in Fig. 5.

The roller-brackets A A may be put upon the market, together with the independent strip B, ready for use, by simply attaching the strip to the window-frame, and by constructing and attaching said brackets to the strip so that they may be shut down upon the latter, as shown by full lines in Figs. 3 and 4, a great convenience will be afforded and space economized in packing or storing away such strips, with their attached brackets, and in shipping or transporting the same free from much or any liability to breakage. Such strips, with their brackets, may be sold, if desired, in connection with the rollers and shades they are designed to carry. In case of the strip B being a non-extension one, then the brackets A A will be secured to the strip at fixed distances apart and the roller-shade will be made of a width to suit and the roller of a length to correspond; but in case of this strip being an extensible one, then this particularity is not necessary.

To provide for the shutting or laying down of the attached brackets A A when not in use, (see Figs. 3 and 4,) as, for instance, when storing the whole fixture away or when shipping it, each of said brackets is attached at its rear end, as by pivots *e*, to the strip B, and when swung outward, as shown by dotted lines in Fig. 4 and by full lines in Fig. 5, to carry the roller it is restrained by its construction and connection with the strip from moving beyond such position. Thus each bracket A, which may be struck up out of sheet metal, if desired, is constructed with a

suitably slotted or apertured head *f*, preferably bent out of plane with the body part *g*, so that when the bracket is shut down said head *f* will rest upon the face of the strip B, while the rear edge *h* of the body will be raised from said strip, and when the bracket is swung outward into position for carrying the shade-roller will strike or rest upon the face of the strip, thus forming a stop, as it were, by contact with the strip and holding the bracket in position to receive the roller and to retain the roller in place. Each bracket A is provided with upper and lower end wings or extensions *i i*, bent at right angles, or thereabout, to the face of its body *g* to receive the pivots *e*, by which the bracket is attached to the upper and lower marginal portions of the strip B, whereby provision is made for swinging the bracket, as described.

20 In applying the strip with its attached hinged or pivoted brackets all that is necessary is to nail or screw the strip to the window-frame and to swing or throw the brackets out to the full extent of their movement in

that direction, or till arrested by their back edges *h* coming in contact with the face of the strip B, when the roller, with its shade, may be placed in position.

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

1. In combination with strip B, the pivoted brackets having the opposite angular wings *i' i'* and the rear edge *h*, which is intermediate of said wings and when the brackets are swung outward rests against the strip, and thus serves as a stop to limit and support the brackets in the required position, as shown and described.

2. The within-described window-shade-roller-carrying bracket, provided with a slotted or apertured head *f*, a body *g*, and upper and lower rear bent wings *i*, substantially as and for the purposes herein set forth.

ABRAHAM B. DUNKLE.

Witnesses:

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FRANK KNODERER.