(No Model.)

A. W. COLLISON.

ATTACHMENT FOR VERTICALLY ADJUSTING WINDOW SHADES.

No. 518,566. Patented Apr. 17, 1894.

Fig. 1.

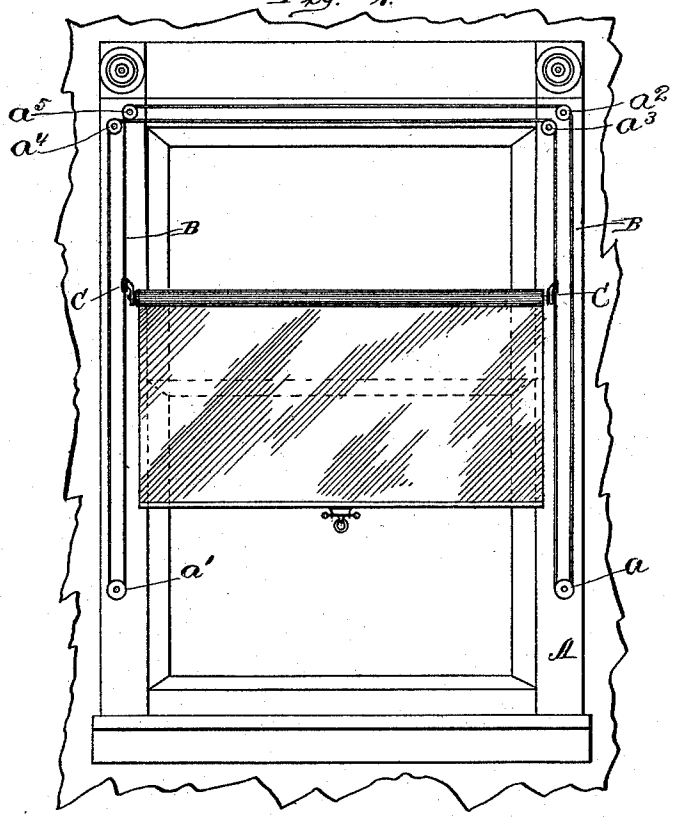


Fig. 2.

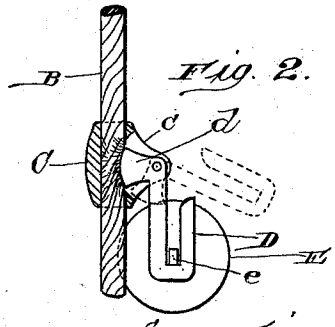


Fig. 3.

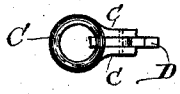


Fig. 4.

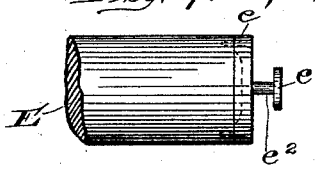
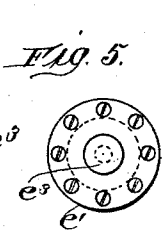


Fig. 5.



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UNITED STATES PATENT OFFICE.

ALFRED W. COLLISON, OF CHICAGO, ILLINOIS.

ATTACHMENT FOR VERTICALLY ADJUSTING WINDOW-SHADES.

SPECIFICATION forming part of Letters Patent No. 518,566, dated April 17, 1894.

Application filed December 29, 1893. Serial No. 495,072. (No model.)

To all whom it may concern:

Be it known that I, ALFRED W. COLLISON, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Attachments for Vertically Adjusting Window-Shades, of which the following is a specification.

This invention relates to improvements in attachments for hanging window-shades, and it consists in certain peculiarities of the construction, novel arrangement, and operation of the various parts thereof, as will be hereinafter more fully set forth and specifically claimed.

The objects of my invention are first, to provide an attachment for window-shades that shall be attractive in appearance, simple and inexpensive in construction, yet effective in operation; and second, such an attachment, which will permit of the shade being raised or lowered to any part of the window-frame, and there secured, thus screening or shading any portion of the window desired and permitting ventilation and admission of light at the upper part of the window without hinderance by the shade-cloth.

In order to enable others skilled in the art to which my invention pertains to make and use the same, I will now proceed to describe it, referring to the accompanying drawings, in which—

Figure 1, is a face view of the casement of a window, showing my attachments in position, and the shade-roller suspended at a point to permit of light and ventilation from the upper part of the casing. Fig. 2, is a detail view, partly in section of a portion of the adjusting cord, showing the supporting hook for the shade-roller clamped thereon. Fig. 3, is a plan view of the hook and clamp detached from the cord. Fig. 4, is a view of a portion of the shade-roller, showing a button-headed end-piece or cap secured thereto; and Fig. 5, is an end view of the same.

Similar letters refer to like parts throughout the different views of the drawings.

A, represents a casement of a window, to which is secured a number of small pulleys a, a', a^2, a^3, a^4, a^5, which may be made of any suitable size and material. Over these pulleys is passed a continuous cord or wire B, which is made taut, and is for the purpose of vertically adjusting the shade, as will be presently explained.

To the cord B, on each side of the casing is attached a self-securing-clamp, which is composed of a tubular piece C, through the hollow of which is passed the cord. The piece C, as shown in Figs. 2, and 3, is provided with a forked extension c, within which is pivotally secured the upper portion of the supporting hook D, which is formed on the side adjacent to the cord with a cam or eccentric d, to press against the cord, thus clamping the same in a fixed position. The lower portion of the piece D, is upturned, so as to form a hook of substantially the shape shown in Fig. 2. One end of the shade-roller E, which may be of the ordinary or preferred kind, is provided with a stub-end e, which is rectangular in cross-section, and fits within the hook D, whereby it is prevented from turning. The other end of the roller is provided with a cap e', and a stub-end e^2, which has a button-head e^3. The stub-end e^2, is adapted to fit within the hook D, and to turn therein, lateral displacement being prevented by means of the button-head.

By reference to Fig. 2, it will be seen that when the roller E, is placed on the hooks D, its weight will cause the cam-eccentric d, to press against the cord B, and firmly secure the roller thereto. When it is desired to change the position of the clamp, the hook D, may be raised to the position indicated by dotted lines in Fig. 2, when the cam d, will be disengaged from the cord, and the piece C, allowed to slide thereon.

From the foregoing it will be seen and readily understood, that by pulling down on the cord B, or raising the same, the position of the roller will be lowered or raised to any desired point, when the shade may be unwound in the ordinary manner. To prevent accidental displacement of the stub-end from the hook, a small pin may be inserted crosswise therein.

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

1. The combination with a continuous cord,

of a series of pulleys attached to the casing to support the cord, a clamp-hook to support the shade-roller, composed of the tubular piece C, having the forked projection *c*, the hook D, having the cam-extension *d*, pivotally secured within the fork, attached to the cord on each side of the casing, substantially as described.

2. In a shade attachment a clamp-hook to support the shade-roller, consisting of the tubular piece C, having the forked extension *c*, the hook D, having the cam-extension *d*, pivotally secured within the fork, substantially as described.

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