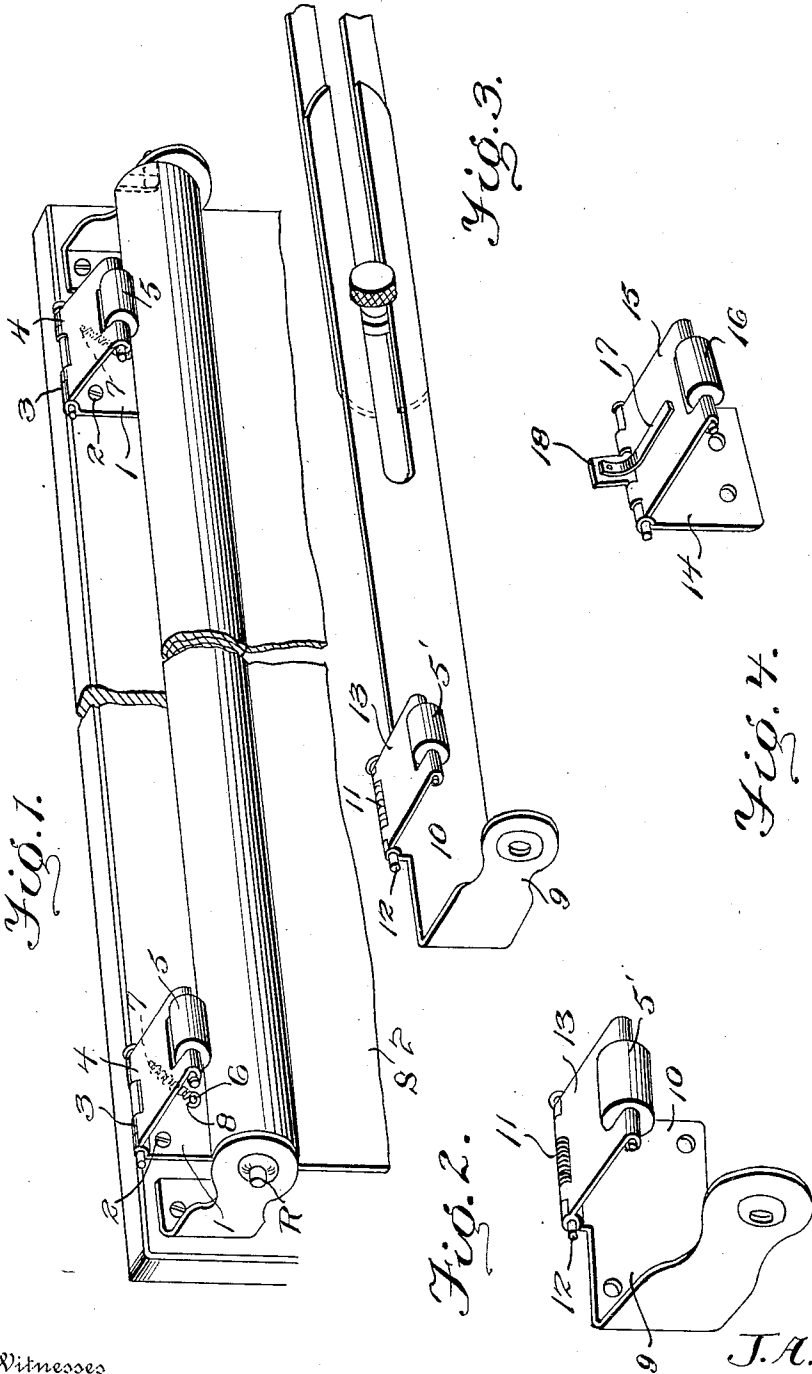


J. A. GASSE.
 SHADE ROLLER APPLIANCE.
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UNITED STATES PATENT OFFICE.

JOSEPH AMEDIE GASSE, OF BROCKTON, MASSACHUSETTS.

SHADE-ROLLER APPLIANCE.

1,052,049.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOSEPH A. GASSE, a Canadian citizen, residing at Brockton, in the county of Plymouth and State of Massachusetts, have invented certain new and useful Improvements in Shade-Roller Appliances, of which the following is a specification.

It is the object of the present invention to provide a novel device for use in connection with an ordinary window shade and its roller, to insure of the shade being properly wound upon the roller.

It frequently happens that when a shade is being wound upon its roller, it will be wound tighter at one end of the roller than at the other, and as a consequence will not hang straight and will have its edges torn by the roller supporting brackets. The present invention therefore contemplates the provision of means preferably arranged at each end of the shade roller to bear frictionally against the shade as it is being wound upon the roller, thereby rendering it certain that the shade will be evenly wound at both ends of the roller and will at all times hang straight.

For a full understanding of the invention reference is to be had to the following description and accompanying drawings, in which:—

Figure 1 is a perspective view of one form of the invention embodying the present invention. Fig. 2 is a similar view illustrating a slight modification. Fig. 3 is a similar view illustrating the invention embodied in an extension window shade bracket. Fig. 4 is a view similar to Fig. 1 illustrating a further modification of the invention.

Corresponding and like parts are referred to in the following description and indicated in all the views of the accompanying drawings by the same reference characters.

The principles of my invention may find embodiment in numerous different structures, all, however, productive of the same results. In Fig. 1 of the drawings there is shown one form of the invention including, in its structure, an attaching leaf 1 designed to be secured by means of screws or nails 2 to the frame of a window, near each end of the shade roller mounted therein, and having hinged thereto, as at 3, a leaf 4. A small roller 5 is rotatably mounted at the free end of the leaf 4 and is

designed to bear frictionally against that portion of a shade wound upon the roller, and this shade engaging roller 5 may be of any suitable material and of any desired length and diameter. The leaves 1 and 4 are provided, respectively, upon their adjacent faces, with eyes 6 and 7, and a helical spring 8 is connected at its ends to the eyes and, when the device is in place, serves, by its tension, to hold the leaf 4 with the roller 5 carried thereby, bearing frictionally and firmly against the portion of the shade wound upon the roller, the said shade being indicated in the drawings by the reference character S and its roller by the reference character R.

It will be readily understood by reference to Fig. 2 of the drawings, the principles of the invention may be embodied in the structure of a shade roller bracket, this bracket being indicated in the said figure by the numeral 9, and having its attaching portion extended to form a leaf 10 which corresponds in every particular with the leaf 1 of the previously described form of the invention. A helical spring 11 is mounted upon a hinge pin 12 connecting the leaf 10 and the leaf 13 (the latter corresponding to the leaf 4 previously described), and serves to hold this leaf 13 with the roller 5' carried thereby, bearing frictionally against the portion of a shade wound upon the roller mounted in the bracket 9. At this point it may be remarked that whereas in the first described form of the invention the spring 8 is connected between the leaves 1 and 4, this spring 8 in the said first described form of the invention may be replaced by a spring such as the spring 11 shown in the said Fig. 2.

It will be readily understood that the principles of the invention may also find embodiment in any ordinary extension roller curtain fixtures such as illustrated in Fig. 3 of the drawings.

In Fig. 4 of the drawings there is shown another form of the invention consisting of an attaching leaf 14 and a leaf 15 which is hinged thereto and carries a shade engaging roller 16. The spring, in this form of the invention, however, is in the form of a leaf spring 17 secured at one end to an upstanding portion 18 of the attaching leaf 14, and bearing at its other end against the upper side of the hinged leaf 15. It is to be understood that this structure, just described, may

be embodied in an ordinary single shade bracket such as shown in Fig. 2 of the drawings, or in an extension bracket of any ordinary type, such for example, as that shown in Fig. 3 of the drawings.

5 Having thus described the invention, what is claimed as new is:—

1. A shade holder comprising brackets, a roller journaled therein, a shade arranged to 10 wind thereon, and spring actuated leaves pivotally mounted and carrying journaled rollers the axes of which normally lie in the same vertical plane as that in which the axis of the first mentioned roller lies, the last 15 mentioned rollers bearing against the curtain whereby the curtain may be wound upon and unwound from the first mentioned roller.

2. A shade holder comprising brackets

having leaves, a shade roller journaled in 20 the brackets, spring actuated leaves hinged directly to the leaves of the brackets and carrying rollers disposed toward the shade roller.

3. A shade holder comprising brackets 25 having leaves which overlap each other, means for adjustably securing the leaves of the brackets together, a shade roller journaled in the brackets, spring actuated leaves hinged directly to the leaves of the brackets 30 and carrying rollers disposed toward the shade roller.

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

JOSEPH AMEDIE GASSE. [L. s.]

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."