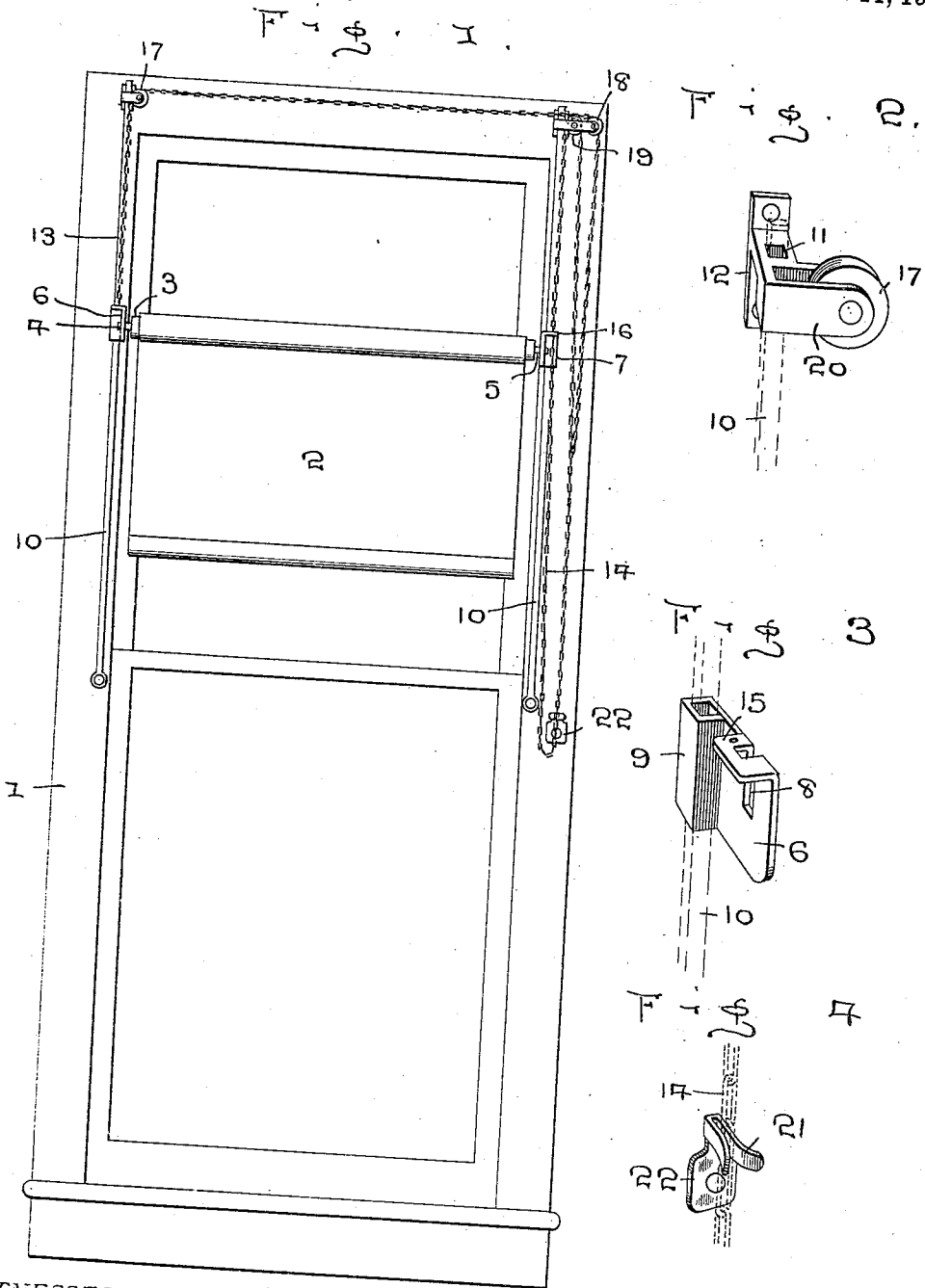


J. A. BECKERT.
 WINDOW ATTACHMENT.
 APPLICATION FILED APR. 6, 1909.

946,319.

Patented Jan. 11, 1910.



WITNESSES:

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JOHN ALBERT BECKERT, OF ZANESVILLE, OHIO.

WINDOW ATTACHMENT.

946,319.

Specification of Letters Patent.

Patented Jan. 11, 1910.

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To all whom it may concern:

Be it known that I, JOHN ALBERT BECKERT, a citizen of the United States, residing at Zanesville, in the county of Muskingum and State of Ohio, have invented certain new and useful Improvements in Window Attachments; 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 new and useful improvements in window attachments and my object is to provide means for movably mounting a curtain shade on a window frame.

A further object is to provide suitable means for raising and lowering the shade and a still further object is to provide means for securing the shade in its adjusted position.

Other objects and advantages will be hereinafter referred to and more particularly pointed out in the claim.

In the accompanying drawings forming part of this application, Figure 1 is a front elevation of a window frame, showing my improved shade controlling mechanism applied thereto. Fig. 2 is a detail perspective view of one of the brackets used in connection with the shade support. Fig. 3 is a perspective view of one of the sliding supports for the shade, and, Fig. 4 is a perspective view of the keeper employed for holding the shade in its adjusted position.

Referring to the drawings in which similar reference numerals designate corresponding parts throughout the several views, 1 indicates the window frame, which may be constructed in the usual or any preferred manner and 2 indicates the shade which is preferably mounted upon a spring operated roller 3, as is the usual practice, whereby said shade may be lengthened or shortened as occasion may require. The pins 4 and 5 at the ends of the roller 3 are extended through supports 6 and 7, respectively, the pin 4 being preferably flattened, as is the usual custom and entered into a slot 8 in the support, the width of the slot being such as to snugly receive the pin 4 and prevent rotation thereof, while the pin 5 is round and introduced through a round opening in which it rotates.

The inner edges of the supports 6 are pro-

vided with square sockets 9, which sockets engage rods 10, which are also square in cross section to hold the supports against swinging movement and at the same time permit the supports to be moved longitudinally of the rods. The lower ends of the rods 10 are fixed to the frame 1 in any preferred manner, while the upper ends thereof extend through square openings 11 in brackets 12, said brackets being attached to the frame 1 adjacent its upper end, thereby securely anchoring the upper ends of said rods and as the brackets may be moved longitudinally of the rods, the rods may be made in uniform lengths and the brackets properly positioned to compensate for longer or shorter frames.

The supports 6 and 7 and the shade carried thereby may be bodily raised and lowered by providing suitable suspension chains or cables 13 and 14, the chain 13 being attached at one end to a horizontally extending branch 15 of the support 6, while the chain 14 is attached to a similar branch 16 of the support 7, the chain 13 extending upwardly and over a sheave 17 in the bracket 12 engaging the upper end of the rod upon which the support 6 is mounted and thence in a horizontal position and over a sheave 18 on the bracket above the support 7, while the chain 14 extends upwardly around an additional sheave 19 on the same bracket containing the sheave 18, both ends of the chain 14 being attached to the support 7, thereby forming an endless chain, while the end of the chain 13 depending from the sheave 18 is attached at a suitable point to the chain 14, so that when the chain 14 is operated to raise and lower the support 7, the chain 13 will be simultaneously operated to raise and lower the support 6 in unison with the support 7.

The sheaves 17 18 and 19 are secured to their respective brackets by providing said brackets with paralleling arms 20, between which the sheaves are rotatably mounted, said arms being extended at right angles to the parts of the bracket to which they are attached, thereby placing said sheaves in direct alinement with the travel of the respective chains cooperating therewith.

In order to hold the supports and shade carried thereby in their proper adjusted positions, the chain 14 is passed between aligning fingers 21 on a keeper 22, the free ends

of the fingers being curved outwardly to permit the introduction of one of the links therebetween and as the space between the fingers is such as to snugly receive one of the
5 links, the next succeeding link will engage the lower edges of the fingers and prevent the descent of the supports until the link is disengaged from the fingers.

By this construction it will be readily seen
10 that the shade may be raised or lowered the full length of the rods upon which they are mounted and at the same time leave the shade in position to be operated in the usual manner, in which instance if it is desired to
15 admit unobstructed light through the upper portion of the window, the supports may be lowered to the position shown in Fig. 1, while the light may be excluded from the remainder or lower portion of the window
20 by lowering the shade 2 in the usual manner. The rods 10 are placed on the inner face of the frame in such position as not to be seen or obstruct the view when looking through the window and the chains are also
25 so arranged as to be out of the line of vision of the opening in the frame and by attaching both ends of the chain 14 to its respective support and the end of the chain 13 to the chain 14, said chains will be in position at all
30 times to be readily operated, while, at the same time, they will be out of reach of children. It will likewise be seen that in view of the simplicity of my improved device, it can be very cheaply constructed and quickly
35 applied to use and the usual or any preferred form of spring roller and shade may be used in connection therewith. It will further be seen that by placing the operating parts of the device in close proximity to the face of
40 the window frame, lace curtains may be hung

over the shade supporting device without interfering with the operation thereof.

What I claim is:

A device of the character described, comprising lateral rods rectangular in cross section, brackets having sockets of corresponding cross sectional outline, receiving the upper ends of said rods, said brackets each having a right angled extension, a plurality of sheaves, one of said right angled extensions carrying one of said sheaves, and the other right angled extension carrying the two other sheaves, and supports slidably arranged upon said rods and having sockets of corresponding outline with said rods, said supports having lateral plate-like extensions, the upper edges of which are at right angles to the body portion thereof, said plate-like extensions and said right angled upper edge portions each being provided with a continuous slot, a roller journaled in said slot, means of connection with one of said supports, engaging a sheave of each of the right angled extensions of said brackets, and an endless belt encompassing the second sheave of one of said brackets and connected at both ends to the other said support, said means of connection for the first referred to support being connected to said belt, a keeper having opposed fingers the free ends of which are curved outwardly for the retention of said belt in effective position.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN ALBERT BECKERT.

Witnesses:

FERDINAND FACTOR,
LOUIS C. MUSSELMAN.