

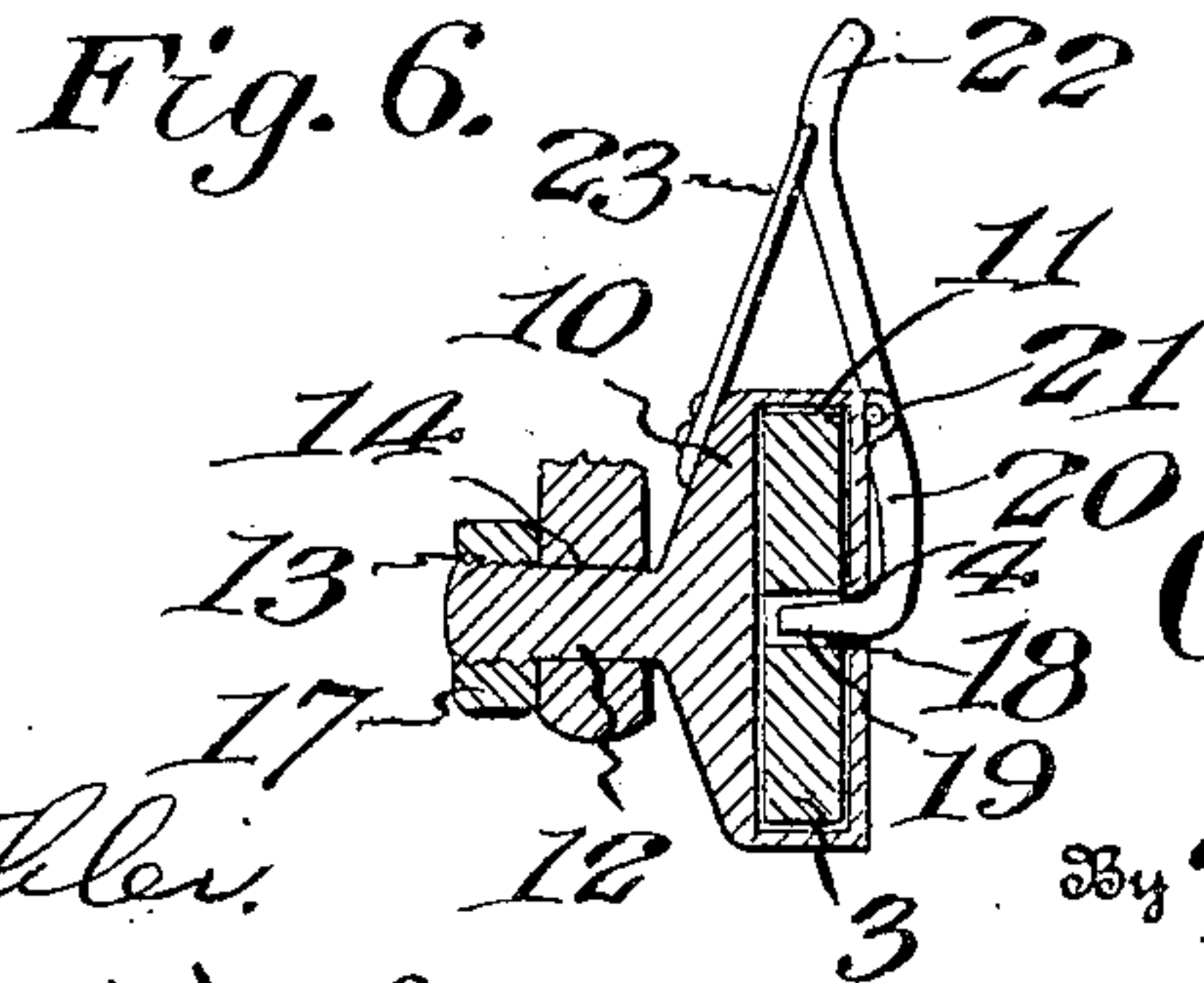
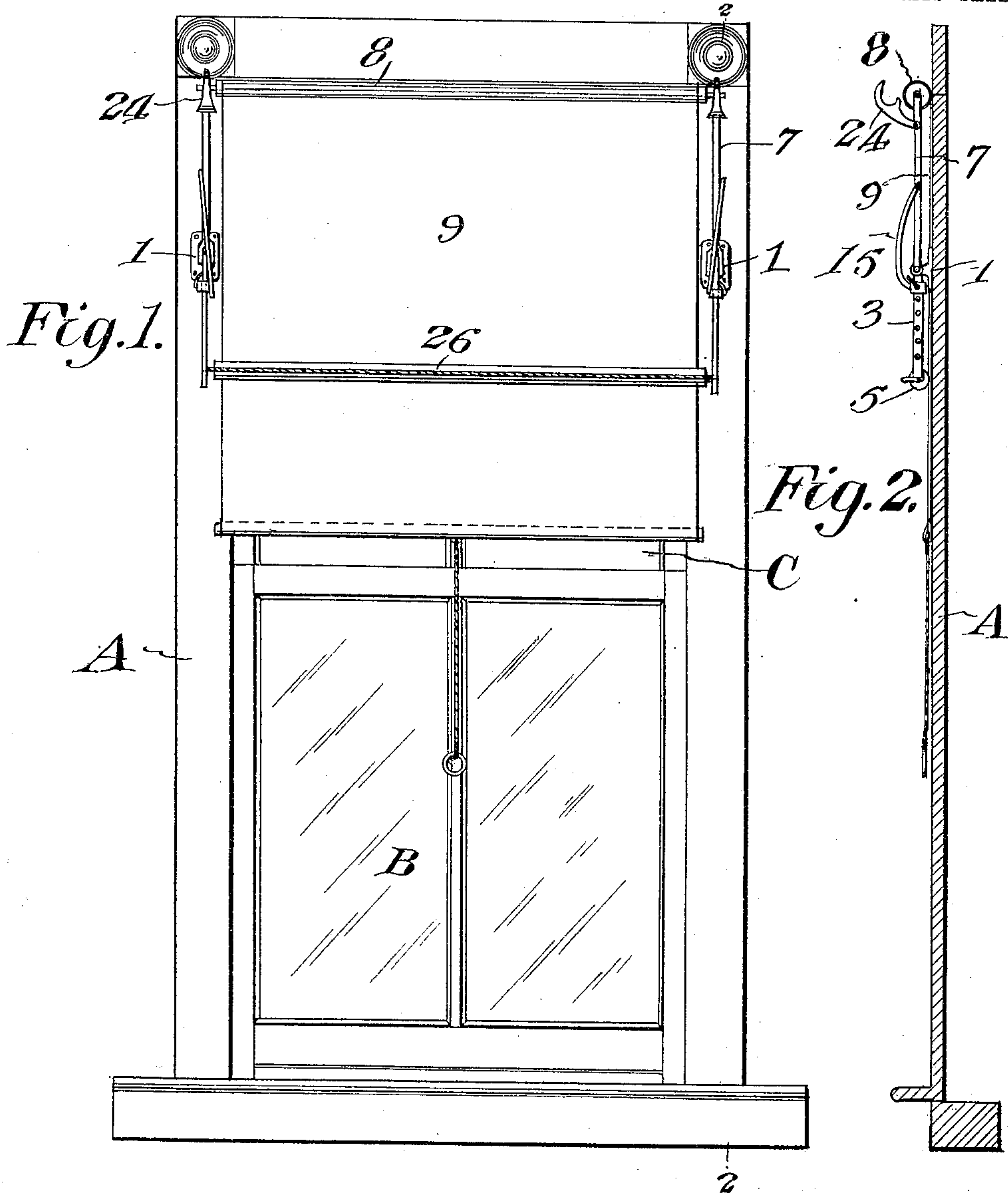
C. E. BERGH.
SHADE HOLDER.

APPLICATION FILED JAN. 20, 1909.

932,952.

Patented Aug. 31, 1909.

2 SHEETS—SHEET 1.



Witnesses:—

Joe. P. Mahler.
James W. Kach.

Inventor,
Casper E. Bergh.

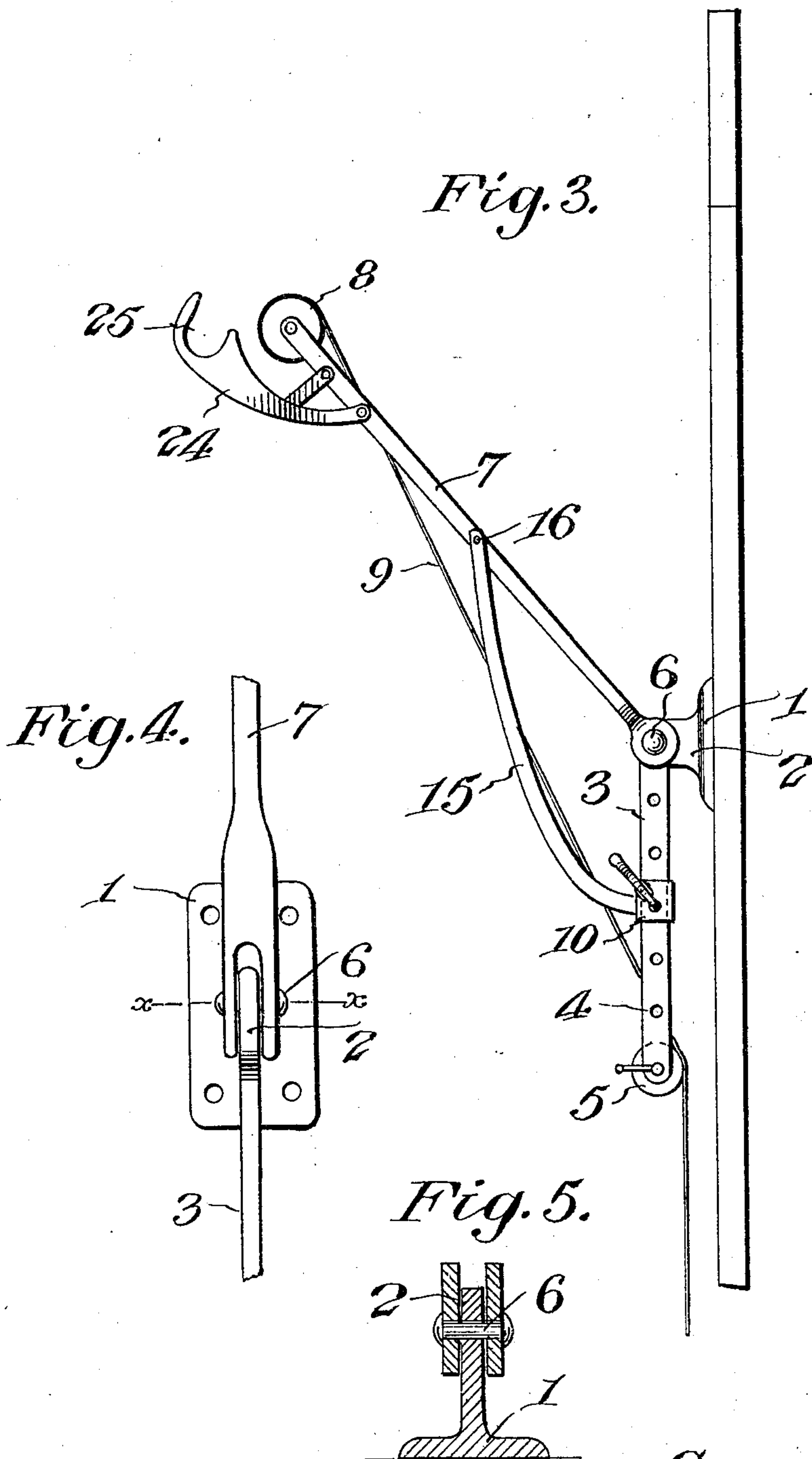
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UNITED STATES PATENT OFFICE.

CASPER E. BERGH, OF HENDRUM, MINNESOTA.

SHADE-HOLDER.

932,952.

Specification of Letters Patent.

Patented Aug. 31, 1909.

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To all whom it may concern:

Be it known that I, CASPER E. BERGH, a citizen of the United States, residing at Hendrum, in the county of Norman and State of Minnesota, have invented new and useful Improvements in Shade-Holders, of which the following is a specification.

This invention relates to shade holders, and has for an object to provide a holder of this character that can be adjusted so that the rolls for the shades may be moved away from a window frame to which the roller is attached so that the upper sash of a window may be lowered to allow air to enter to be discharged and deflected upwardly toward the ceiling of a room, providing a thorough ventilation, and preventing rattling of the shade or other injury thereto, and further providing means so that the light may be thrown toward the ceiling, consequently diffusing light and providing a device particularly adapted for use in schools or other educational institutions.

A further object of the present invention is to provide simple means for retaining the roller, and to also provide means for retaining a curtain pole.

Another object of my invention is to provide a novel form of adjusting means for holding the shade roller at the required distance from the window frame.

A further object of this invention is to provide means for holding the upper portion of a shade outwardly at an angle away from the window frame and to provide simple means for effectively holding the lower portion of the shade in a parallel plane with respect to the window frame.

A still further object of this invention is to provide means for holding a lace curtain in approximately the same position as the shade.

Other objects and advantages will be apparent as the nature of the invention is better set forth, and it will be understood that changes within the scope of the claims may be resorted to without departing from the spirit of the invention.

In the drawings, forming a portion of this specification and in which like numerals of reference indicate similar parts in the several views:—Figure 1 is a front view of a window frame showing the application of my improved shade holder thereto. Fig. 2 is a vertical section taken on the line 2—2 of Fig. 1. Fig. 3 is an enlarged detail view of

a portion of a window frame showing the manner in which the shade roller may be adjusted so that a portion of a shade assumes a position at an angle with respect to the remaining portion. Fig. 4 is a plan view of the frame engaging bracket. Fig. 5 is a section on the line *x—x* of Fig. 4. Fig. 6 is a detail sectional view through one of the vertically movable elements.

Referring now more particularly to the drawings, there is shown particularly in Fig. 1, a window frame A of usual construction provided with a lower sash B, and an upper sash C. Brackets 1 are secured to the vertical side members of the frame A adjacent to their upper extremities, and these brackets are provided with outwardly extending oppositely disposed ears or lugs 2, and depending from each lug or ear is shown an arm 3 provided with a vertical series of adjusting passages 4 for a purpose to be hereinafter more fully described. The construction herein set forth and described is such that the depending arms 3 are spaced slightly from the side bars of the frame A, and these arms are also arranged directly opposite each other and receive at their lower ends a revoluble roller 5.

The ears or lugs 2 carried by the brackets 1 have pivotally mounted thereto as shown at 6, arms 7 provided at their upper ends with a revoluble shade roller 8 having a shade 9 of the usual construction which has its side edges disposed between the arms 7 and between the arms 3 and normally lies directly behind the roller 5 carried by the arms 3.

Each arm 3 is provided with a vertically movable element 10 preferably of rectangular construction provided with a vertical passage 11 to receive the arm 3, and as clearly shown in Fig. 6 of the drawings these elements have formed integral therewith horizontally disposed studs 12 having threaded outer ends 13. The studs 12 are passed through eyes 14 formed at the lower ends of members 15 which are substantially of arcuate form, and these members, as clearly shown in Fig. 3 of the drawings are pivoted at 16 at their upper extremities to the arms 7. To prevent displacement of the members 15 from the studs 12, I provide the threaded portions 13 with clamping nuts 17. Each element 10 has formed therein in one of its side walls a passage 18 to receive the nose 19 of a dog 20 which is piv-

oted at 21 to said element, and each dog is provided with a finger manipulating portion 22 engaged by a leaf spring 23. The spring 23 is of such construction that force exerted thereby has a tendency to hold the nose 19 of the dog normally within the passage 18 of the element 10 by which the dog is carried. The construction of the elements is such that they may be moved vertically so that their dogs 20 may be engaged with the desired perforations 4 formed in the depending arms 3 in order that the roller 8 can be held away from the window frame at the desired distance to suit various occasions.

Each arm 7 is provided with a bracket 24 located adjacent to the roller 8, and as indicated, these brackets are provided with pole receiving slots 25. It will be seen that I not only provide a shade, but I embody simple and novel means for retaining a pole which supports a lace curtain or other suitable drapery.

In operation of the device herein set forth and described, assuming that it was desired to have the light thrown to the ceiling or to ventilate the room by lowering the upper sash, the dogs 20 are manipulated so that the nose portion 19 of each dog can be disengaged with the arms 3 and moved downwardly, until the proper set of perforations is reached, whereupon, the dogs may be released, and their elements 10 effectively held in a permanent position, to hold the shade 8 at the required adjustment. In order that a lace curtain or other drapery may be held approximately at all points in the same position as that of the shade, I provide the arms 3 at their lower extremities with a cord or similar element 26 which I preferably locate in front of the roll 5 in order that the lace curtain may be passed between the roller 5 and the said cord 26 to securely hold the same.

The construction is such that when the roll is to be used as ordinarily, the elements 10 can be moved upwardly to the extent that the arms 7 lie in a common plane with respect to the arms 3. The device is such that it may be manufactured at a relatively low cost, and through reason of the fact that provision is made for adjusting the arms 7 at an angle with respect to the arms 3 in

order that the shade roller 8 can be moved away from the frame of the window, it is obvious that the device is particularly adapted for use in schools for the purpose hereinbefore set forth, and it will be also appreciated that the device can be used in ordinary households or in sanatoriums or hospitals where considerable fresh air is required and which can be obtained without injury to the patients incident to drafts or the like.

I claim:—

1. A window frame having brackets at the sides thereof, depending arms carried by the brackets, angularly adjustable shade roller carrying means carried by the brackets, a roller carried by said arms adapted to hold a portion of the shade in parallel relation to said frame, and means connecting the arms with the said first mentioned means so that the latter can be held in its adjusted position.

2. A window frame having brackets secured thereto, depending arms carried by the brackets disposed in a parallel plane with respect to the frame, angularly adjustable roller carrying means upon the brackets, means for holding said roller carrying means in its adjusted position, and a roller carried by the depending arms for receiving a shade and holding a portion thereof in parallel relation with respect to the frame.

3. A window frame having brackets secured thereto, angularly adjustable arms carried by the brackets, a shade roller carried by the arms, curtain pole receiving means carried by the arms, depending arms carried by the brackets, adjustable means upon the depending arms, connections between the adjustable arms and the adjustable means, a roller carried by the depending arms, adapted to hold a portion of the shade in parallel relation to the frame and a flexible connection carried by the second named arms for holding a lace curtain between the second named roller and said connection.

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

CASPER E. BERGH.

Witnesses:

W. T. HERNDON,
T. E. KEITH.