

(No Model.)

S. O. CAMPBELL.

WINDOW SHADE ATTACHMENT.

No. 378,039.

Patented Feb. 14, 1888.

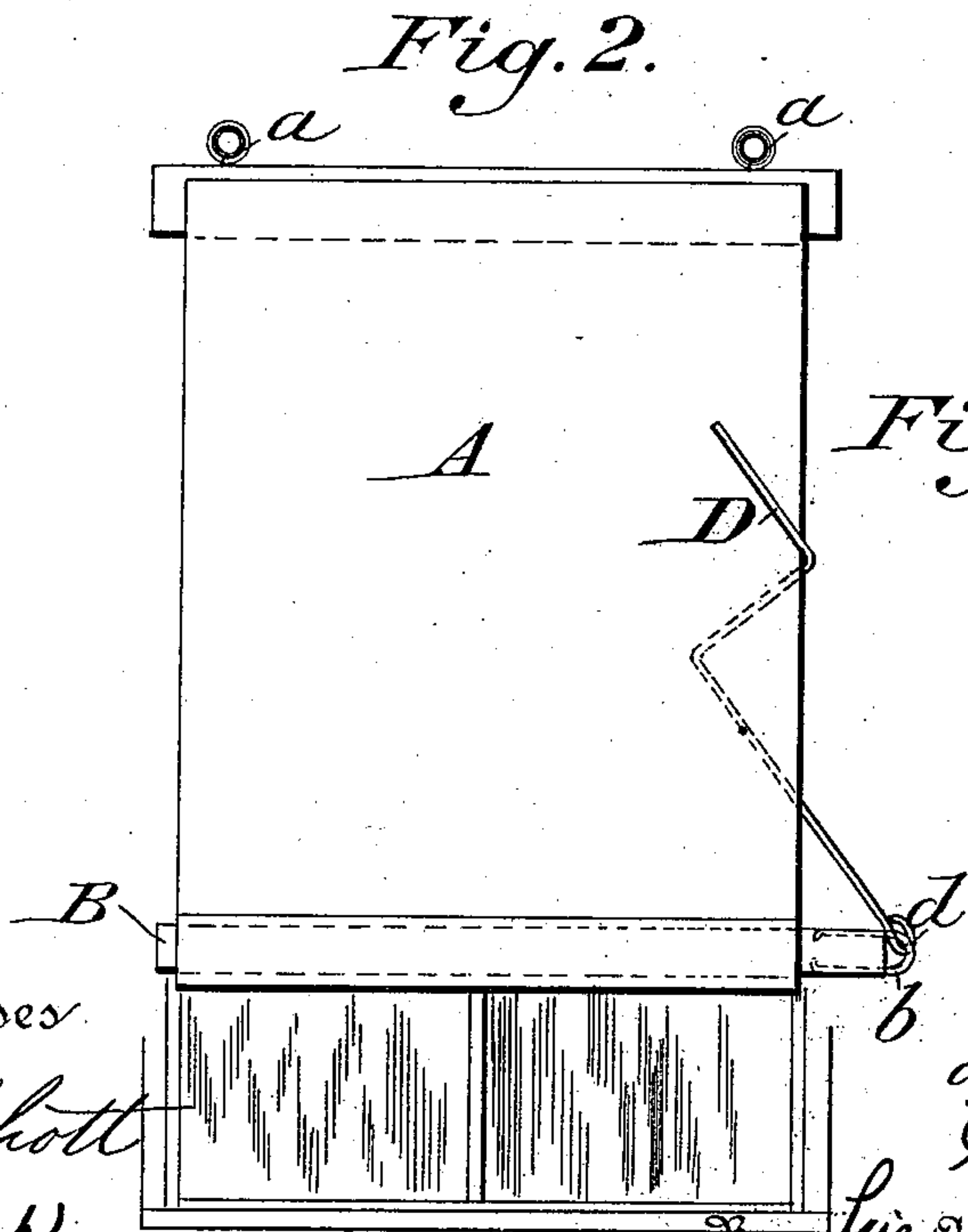
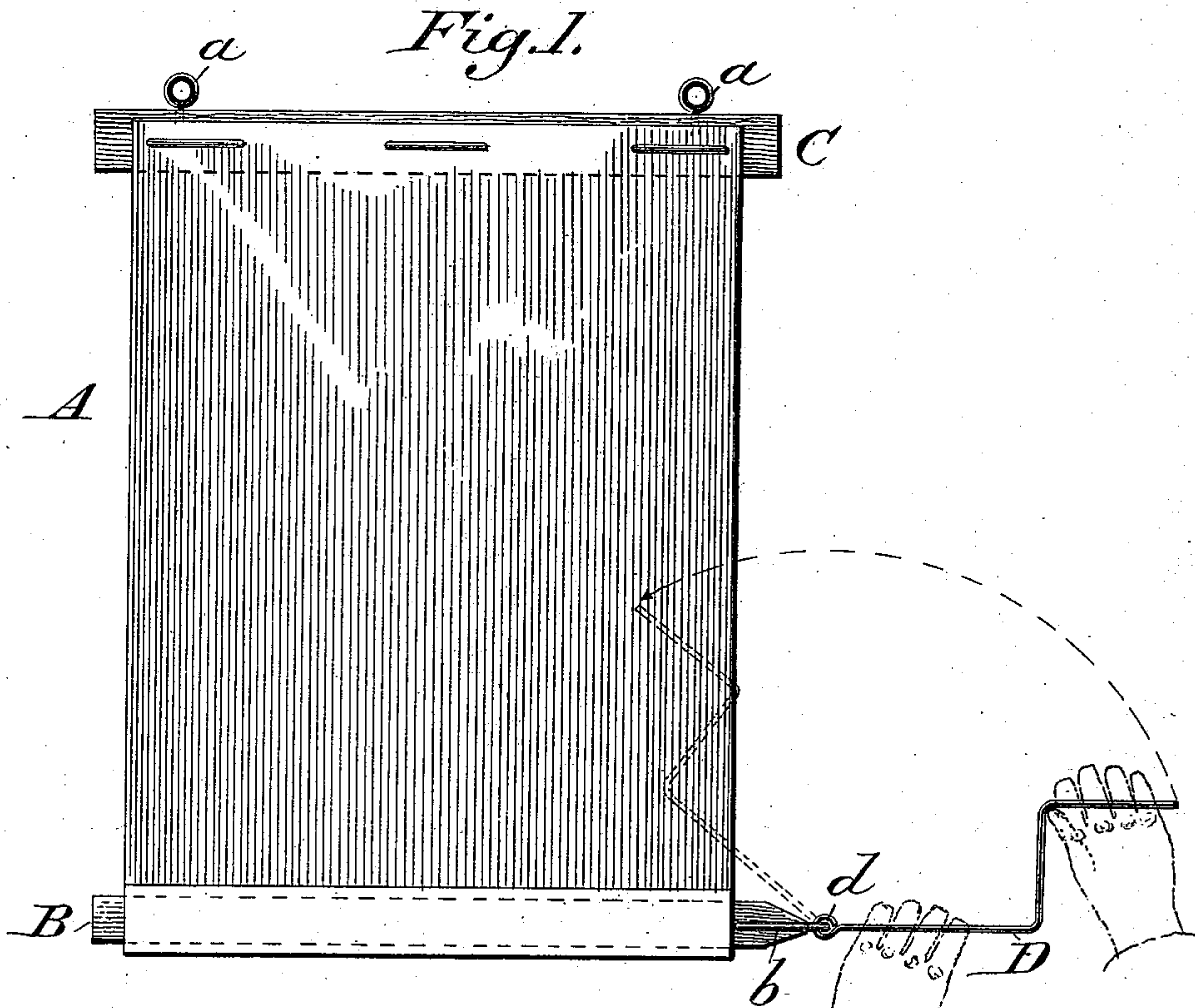
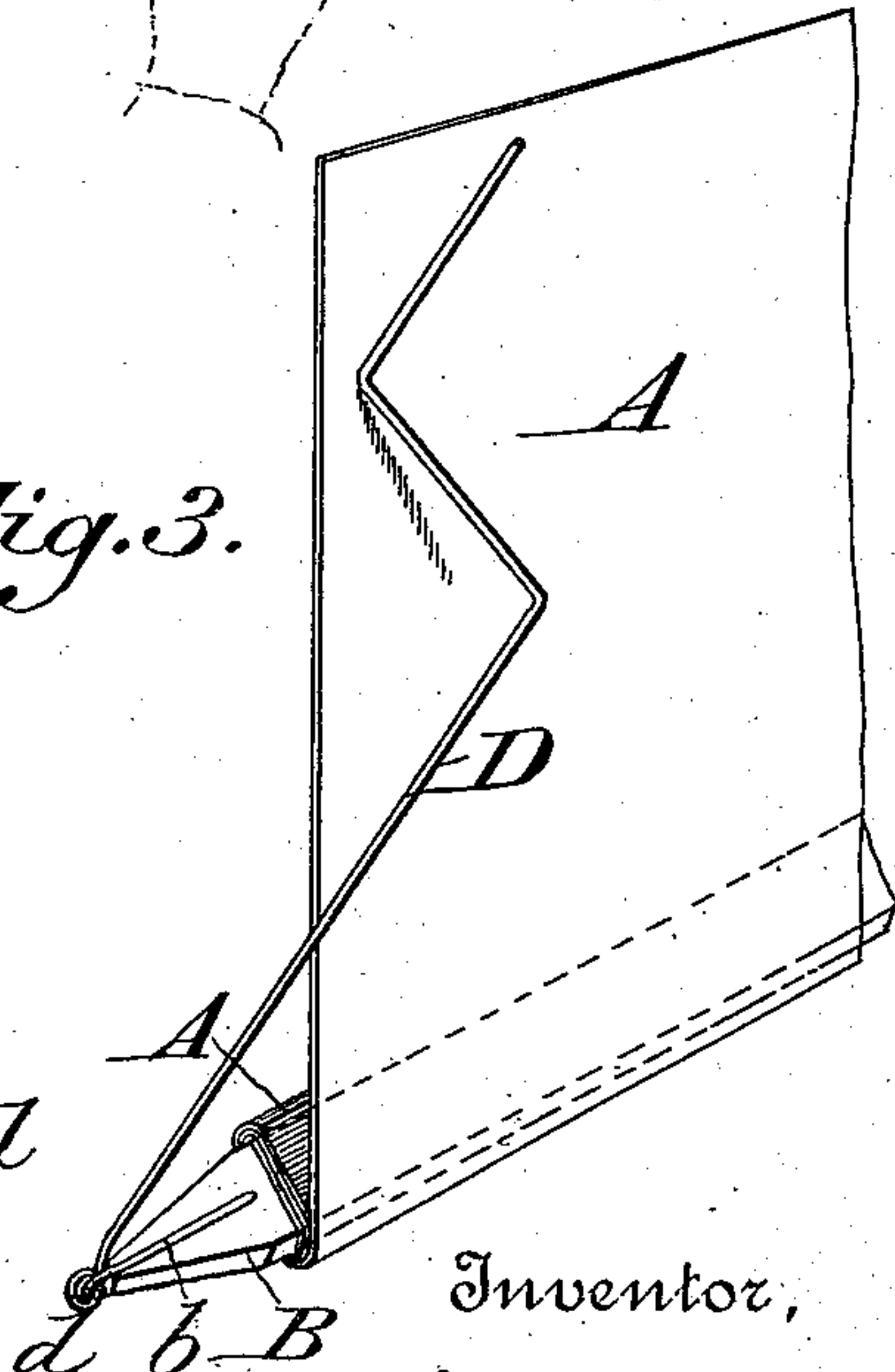


Fig. 3.



Witnesses
H. H. Schott
J. E. Vasker.

Inventor,
John O. Campbell.

By *John E. Vasker.*
his Attorney.

UNITED STATES PATENT OFFICE.

SOLON O. CAMPBELL, OF GOSHEN, IOWA.

WINDOW-SHADE ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 378,039, dated February 14, 1888.

Application filed July 19, 1887. Serial No. 244,763. (No model.)

To all whom it may concern:

Be it known that I, SOLON O. CAMPBELL, a citizen of the United States, residing at Goshen, in the county of Ringgold and State of Iowa, have invented certain new and useful Improvements in Window-Shade 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 has relation to a window-shade, the object being to provide convenient means for rolling upward and downward a pendent curtain or shade and holding the same at any desired elevation by a peculiar adjustment of the same means; and it consists in the construction, arrangement, and combination of parts, substantially as will be hereinafter described and claimed.

In the annexed drawings, illustrating my invention, Figure 1 is a front elevation of a window-shade provided with my improved rolling attachment and showing diagrammatically the mode of operating the same. Fig. 2 is a similar view showing the curtain rolled partly up and held in place. Fig. 3 is a perspective view showing the curtain partly rolled up and held in position by a different adjustment of the crank from that shown in Fig. 2.

Like letters of reference designate like parts in all the figures.

A denotes any ordinary window-shade having the lower rod, B, and upper rod, C, said shade being suspended in any suitable manner—as, for instance, by the hooks *a a* on the rod C—and calculated to be rolled upward or downward, as desired, by successive revolutions imparted to the rod B, upon which the curtain will thus be compelled to wind itself.

My invention consists in the device for revolving the rod B and maintaining the curtain in any position to which it may have been raised or lowered. This device is a crank, D, bent into suitable shape from a wire rod. One end of said crank is looped at *d* to form an eye, whereby the crank is connected to a staple, *b*, fixed in the extremity of the rod B. This mode of connection between the crank and rod B may be varied, if desired, it being only essential that it shall have free play upon the end of said rod and shall be so fastened that the revolution of the crank, when in the position shown in Fig. 1, will revolve the rod B also.

The operation of my device will be readily

understood. When it is desired to raise the curtain, supposing it to be in a lowered position, the user will lay hold of the crank D, and while he grasps the handle of the same in his right hand he will at the same time hold the part nearest the rod B loosely in a horizontal position in his left hand, this hand forming a sort of bearing for the crank, so that when the right hand actuates it the part in the left hand will rotate, and the connected rod B will likewise revolve and the curtain be caused to wind thereon. When the curtain has thus been elevated to the desired height, it may be maintained in this position by throwing the crank to one side of the curtain, as shown in Fig. 3, or by placing it in the position shown in Fig. 2, where one part lies on one side the curtain and another part on the other.

It will be obvious that accordingly as the crank is turned in one or the other direction the curtain will be raised or lowered. The position of the crank shown in Fig. 3 will be the best for upholding the curtain when there have been several turns of the rod B, and consequently considerable weight thereon. When there have been but few turns and there is little weight thereon, the position in Fig. 2 may be used.

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

1. The combination, with a hanging shade and lower rod attached thereto, of a crank bent from a wire rod and movably connected with one end of the curtain-rod, whereby said rod may be revolved and the curtain elevated and then held in any desired position by throwing said crank to one side of the curtain, substantially as described.

2. The combination, with a curtain and its lower rod, upon which the curtain rolls when being elevated, of a device for rolling said rod, consisting of a crank connected by an eye in the end thereof to a staple in one end of the curtain-rod, said crank being adapted to be moved into engagement with the edge of the curtain for the purpose of maintaining it in any desired position, substantially as shown and described.

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

SOLON O. CAMPBELL.

Witnesses:

M. SHUAN,
E. E. FRENCH.