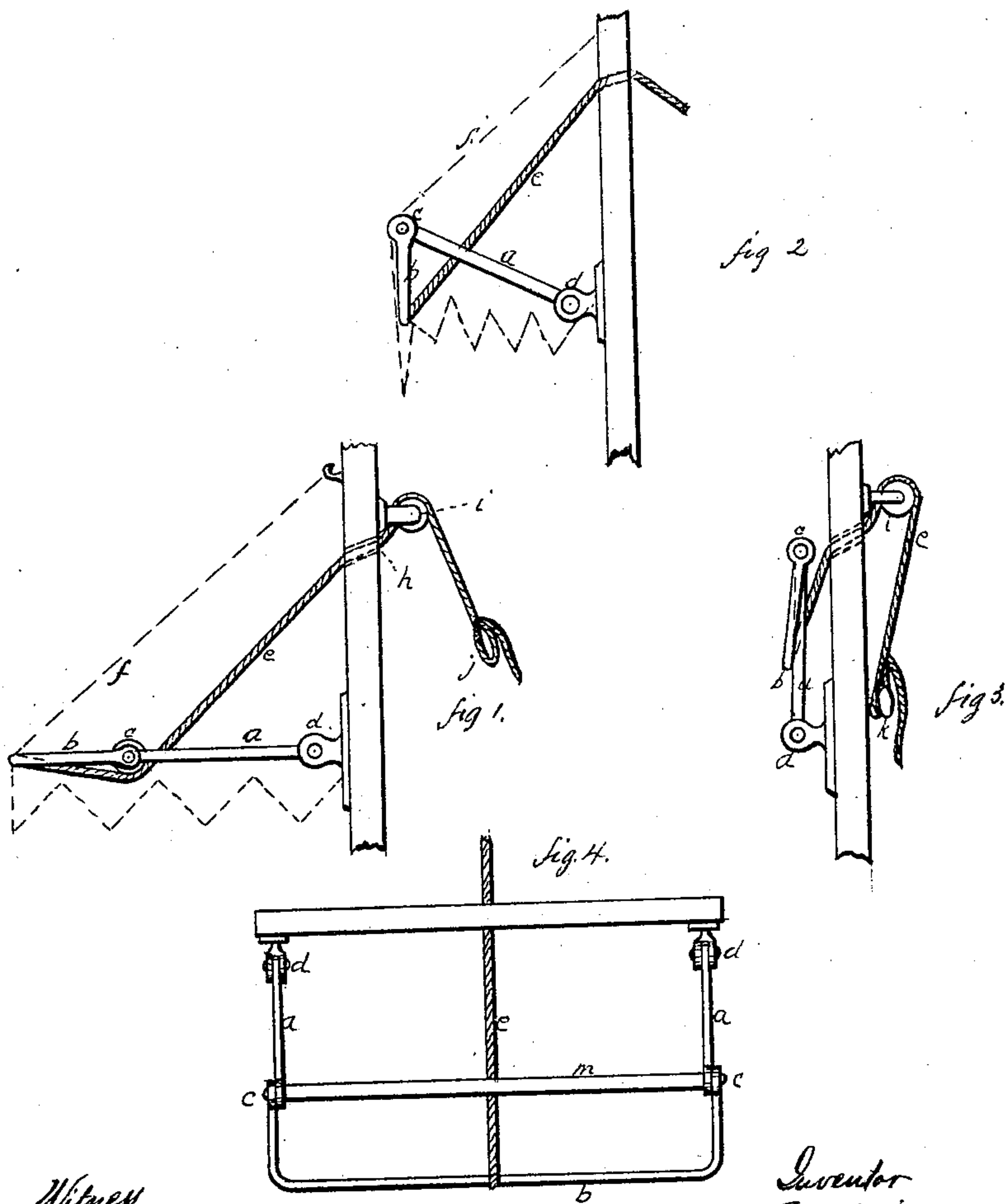


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Assigning.

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# UNITED STATES PATENT OFFICE

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## IMPROVEMENT IN WINDOW-SHADES.

Specification forming part of Letters Patent No. **109,758**, dated November 29, 1870.

*To all whom it may concern:*

Be it known that I, WILLIAM S. RICE, of Biddeford, in the county of York and State of Maine, have invented a new and useful Improved Window-Shade; and I do hereby declare the following to be a full, clear, and exact description of the same, which will enable others to make and use my invention, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 is a side elevation of my improvement. Fig. 2 is the same view, with the outer edge dropped down so as to shield the window from the sun-light more than when in the position seen in Fig. 1. Fig. 3 is a side elevation when the shade is drawn up and folded back away from the window. Fig. 4 is a top plan, with the cloth or curtain removed.

My invention has for its object to provide a shade or awning for the outsides of windows, doors, &c.; and consists in the combination and arrangement of the frame or support *a b c d m*, cord *e*, pulley *i*, the loop *j*, and button *k*, the said frame being covered in the ordinary manner with the awning *f*.

The parts *a* of the frame are attached to the building on the outside, at each side of the window, by the joints *d*. The parts *a* thence extend outward to the joints *c*. The part *b* of the frame then extends outward in the form and manner shown in Fig. 4. At the joints *c* the cross-bar *m* extends the entire width of the awning-frame.

A cord, *e*, is connected with the front part of the frame *b* at the center thereof, under the cross-bar *m*, and then upwardly in an inclined direction, and passes within the house or building, so that the frame can be raised or lowered from the inside. On the inside the cord passes over the pulley *i*.

When the frame *a b m* is dropped and extended, as in Fig. 1, the parts *a b* are in a horizontal position, as indicated in Fig. 1, the part *b* being upheld by the top of the awning *f*, and the joint *c* being prevented from bending downward by being attached to the sides of the awning. When thus left the loop *j* may be attached to a pin on the inside of the house or building.

The condition of the frame when the shade is lifted from the window is seen in Fig. 3, with the part *a* drawn back against the wall of the building and the part *b* folded down on the outside of the part *a*. In this condition the upper part of the top of the awning *f* is dropped down between the part *a* and the wall of the building, as far as may be, and the residue of the top of the awning, passing over the cross-bar *m*, is folded down on the outside of *b*. Thus the whole device can be folded flat against the wall, and, when thus folded, will occupy, in comparison with the size of the shade when extended, a contracted space. When thus folded it is held by means of the loop *j* and the button *k*. This is one of the advantages of the joint *c* and the cross-bar *m*. Still another advantage is illustrated in Fig. 2.

When it is desired more completely to screen or shade the window from the sun than could be done with the frame fully extended, as in Fig. 1, the cord *e* is drawn inward sufficiently to turn the part *b* downward in a vertical position, as shown in Fig. 2. Thus, the shade being drawn nearer to the window, and the part *b*, with its awning, dropped downward, as illustrated, the window can be more shaded or darkened. Moreover, the awning can be shortened by folding the part *b* back under *a*, and the light admitted by the window can be increased, if desired. In either of these positions the awning can be held by means of the loop and button on the inside of the house.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination and arrangement of the joints *d*, rods *a*, joints *c*, cross-bar *m*, part *b*, cord *e*, passing through the wall of the building, the pulley *i*, loop or loops *j*, and button or buttons *k*, all as described, to operate as set forth.

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Witnesses:

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