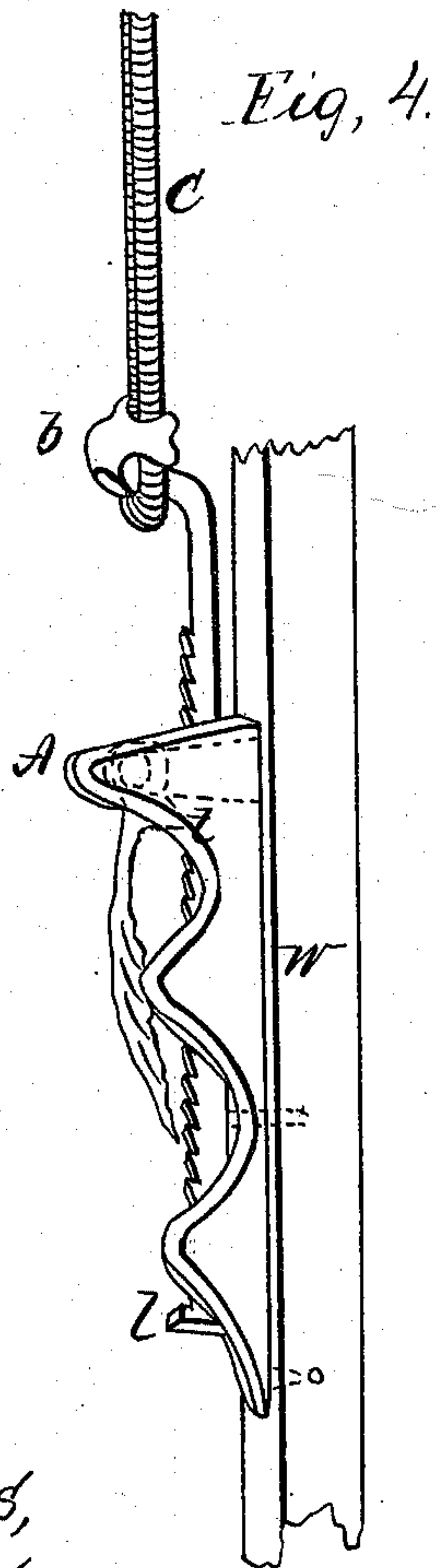
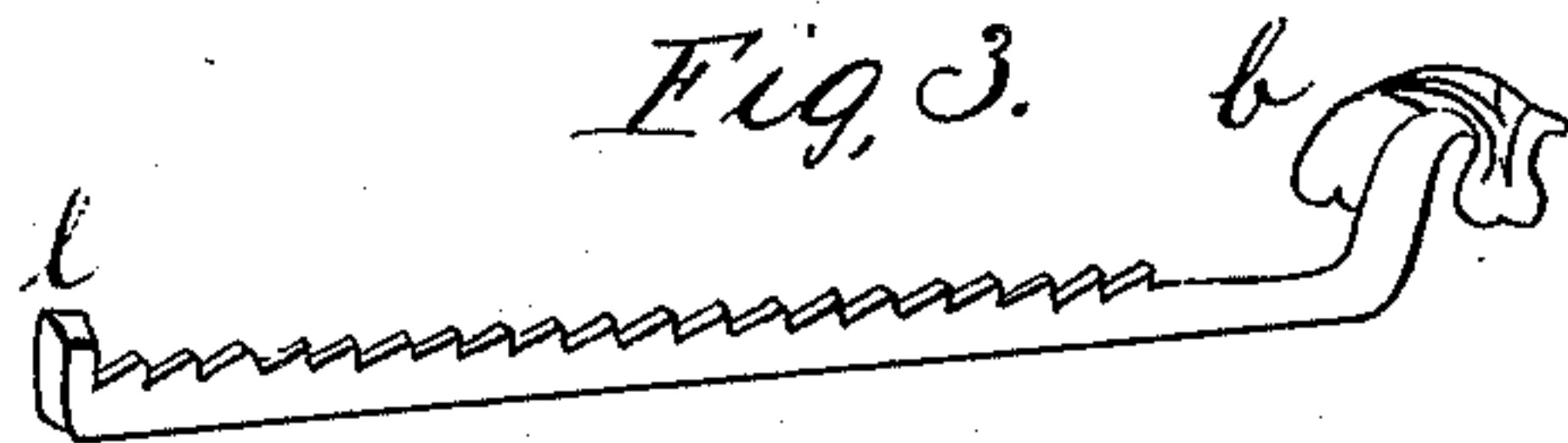
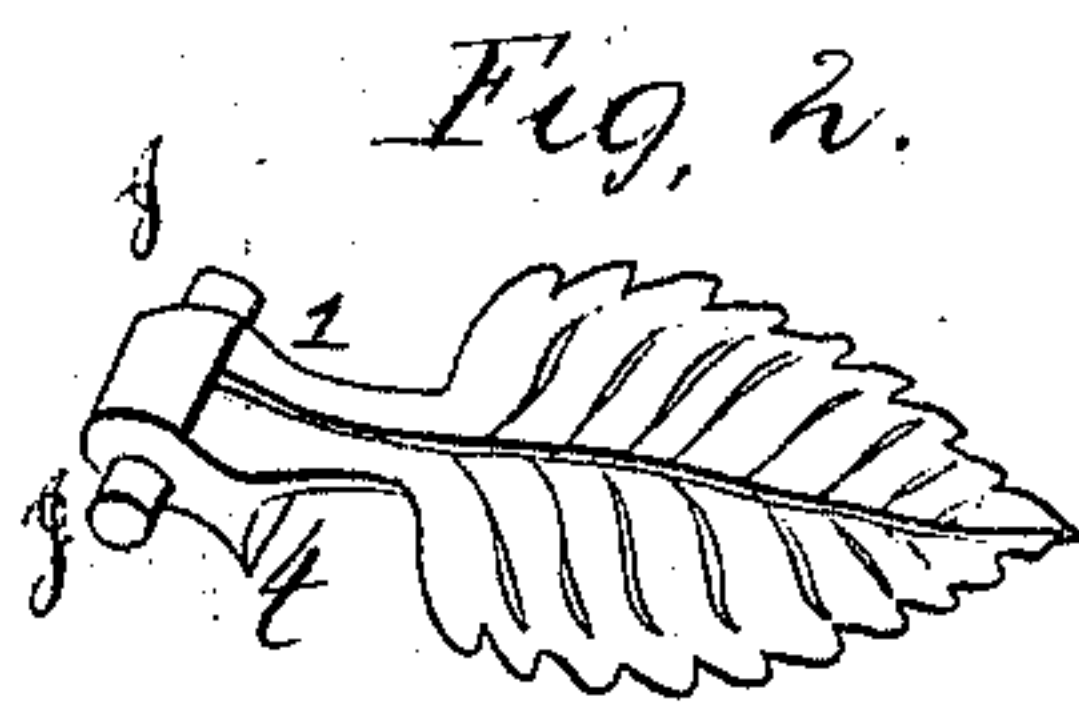
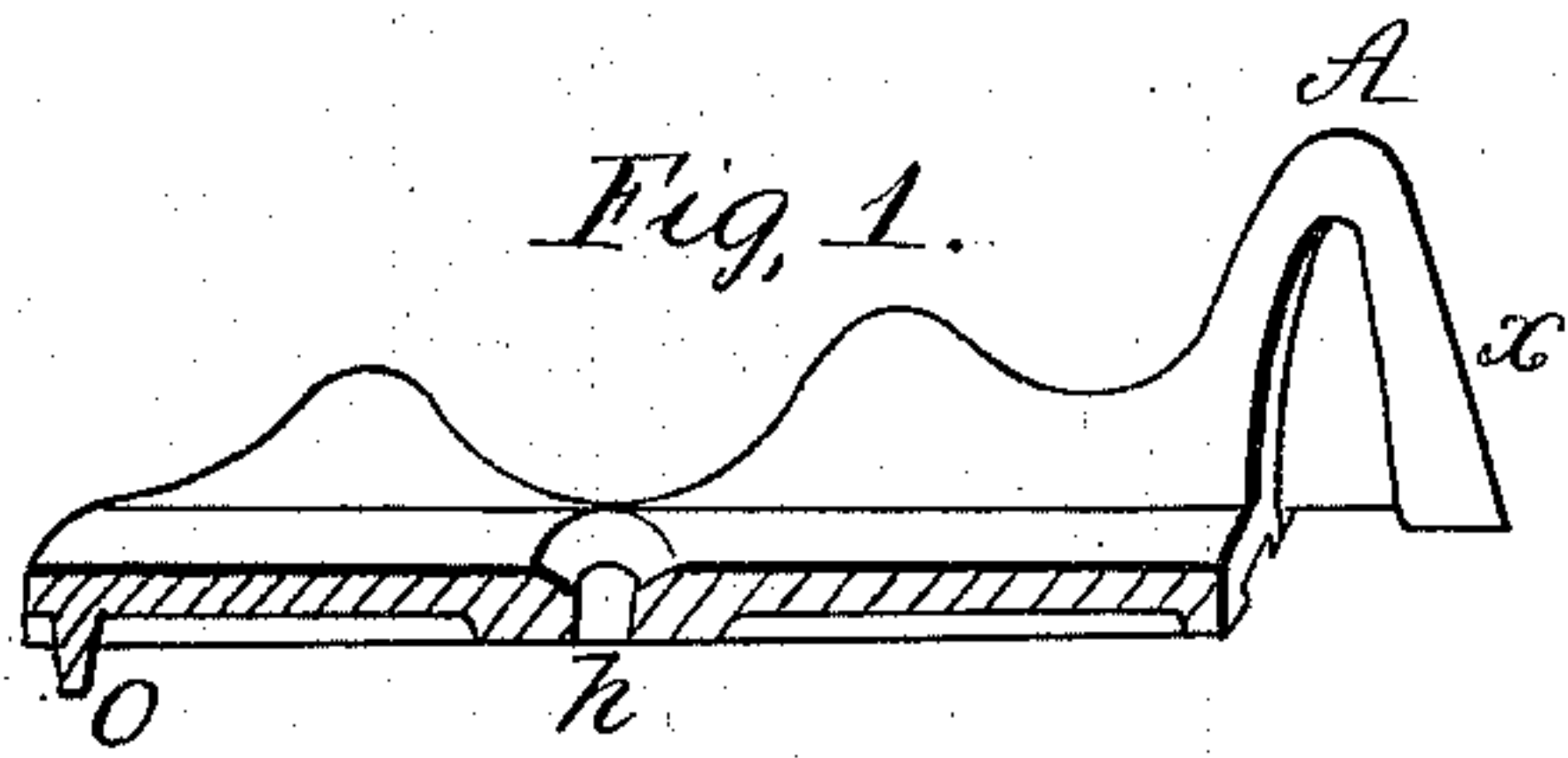


*J. Pusey.*

*Window Shade Rack.*

*N<sup>o</sup> 104,767.*

*Patented Jun. 28, 1870.*



*Witnesses,  
Chas. & Weidemann  
John L. Williams.*

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# United States Patent Office.

JOSHUA PUSEY, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 104,767, dated June 28, 1870.

## IMPROVED WINDOW-SHADE RACK.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, JOSHUA PUSEY, of the city and county of Philadelphia, in the State of Pennsylvania, have invented certain new and useful Improvements in "Window-shade Racks;" and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The object of my invention is to provide a window-shade rack which shall be neat, cheap, and efficient; which may be, if desired, entirely and readily cast in metal; the separate parts of which may be easily put together, and when together, not apt to become disconnected, or to get out of order.

My shade-rack is composed of three distinct parts, represented in the annexed drawings in figs. 1, 2, and 3.

Figure 4 represents these parts put together, and the device as it appears in actual use or operation.

Figure 1 is a vertical longitudinal section, through the middle, of a slotted metal guide, (which may be of any suitable ornamental form,) showing one-half of the inner side of the same, the remaining half being its exact obverse. The sides of this guide become more elevated and broadened into a head, A, which is provided with recesses, *x*, upon its inner slotted side, opening out and downward at one extremity, closed and rounded at the upper end.

O is a projection, extending beyond the lower face of the guide, the object of which is hereafter explained.

*h* is a countersunk screw-hole.

Figure 2 represents a pawl, whose head is flattened or depressed at a certain point, as at 1, and which is provided with a tooth, *t*, and projecting journals J J, the latter of such form and dimensions as to play loosely in the recess *x*, and its obverse. The main portion of the pawl extends back, and is formed into some ornamental shape, such as a leaf, as appears in the drawings.

Figure 3 is a toothed or ratcheted rack, of any desired length, and constructed to slide freely into the guide, fig. 1. One extremity, *b*, of this rack, bends up, then branches out, and bends slightly inward, on each side; the other extremity ends in a lug, *l*, projecting above the teeth of the rack.

Figure 4 shows my invention as it appears in actual use.

Its operation, and the manner of putting the separate parts together, is as follows:

First, the pawl, fig. 2, is turned upon its back, as it were, or, more clearly, in a reverse position to that shown in the figure 2. The journals J J are now entered into the recesses *x*, fig. 1, the head and neck of the pawl passing into the slotted head of the guide. Now the depression 1, upon the head of the pawl, allows the insertion of the rack, fig. 3, at the lugged extremity *l*, into the guide. The said pawl is now turned over on its face (its rounded head allowing this to be done after the lug *l* has passed into the guide) until its tooth falls between some two teeth of the rack, the weight and leverage of the projecting main portion of the pawl always insuring its catching, and, as is readily seen, preventing movement of the rack, except in one direction.

The device may now be attached to the window-jamb W, fig. 4, by means of a screw, passing through the countersunk opening provided in the guide therefor.

The point O being driven into the wood, but one screw is requisite to keep my rack in position; and the head of this screw is concealed from sight by the end of the pawl being made to protect over it.

The shade-cord C is now slipped around the head of the rack, which may be pressed down until the cord is sufficiently taut, when the tooth of the pawl interlocks with the teeth in the rack, thus securely holding the cord as desired.

When it may be necessary to loosen the cord, or to disengage it, the end of the pawl may be lifted up, when the rack may be drawn up.

I do not confine myself to the use of the peculiarly shaped head of the rack, but purpose, if desired, to substitute a pulley therefor.

I disclaim originality in the mere use, in a window-shade rack, of a toothed or ratcheted rack in connection with a catch, such device having long been in use, and being now in use in various forms; but

What I claim as my own invention, and am desirous of securing by Letters Patent, is—

The combination of the guide, fig. 1, provided with the recesses X, or their equivalent, with the pawl, fig. 2, working in said recesses, and the movable toothed rack, fig. 3, arranged, constructed, and operating substantially as and for the purpose herein described and set forth.

JOSHUA PUSEY.

Witnesses:

CHAS. A. WEIDEMANN.

JOHN L. WILLIAMS.