

(No Model.)

R. B. AYRES.

WINDOW BLIND.

No. 321,474.

Patented July 7, 1885.

Fig. 1.

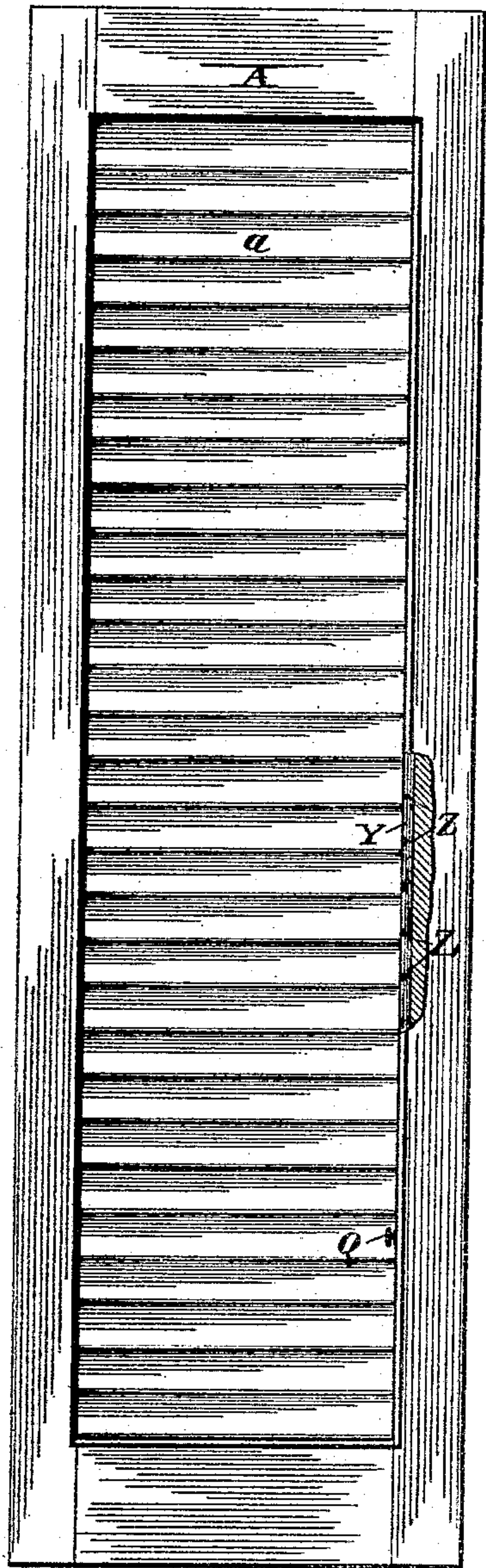


Fig. 2.

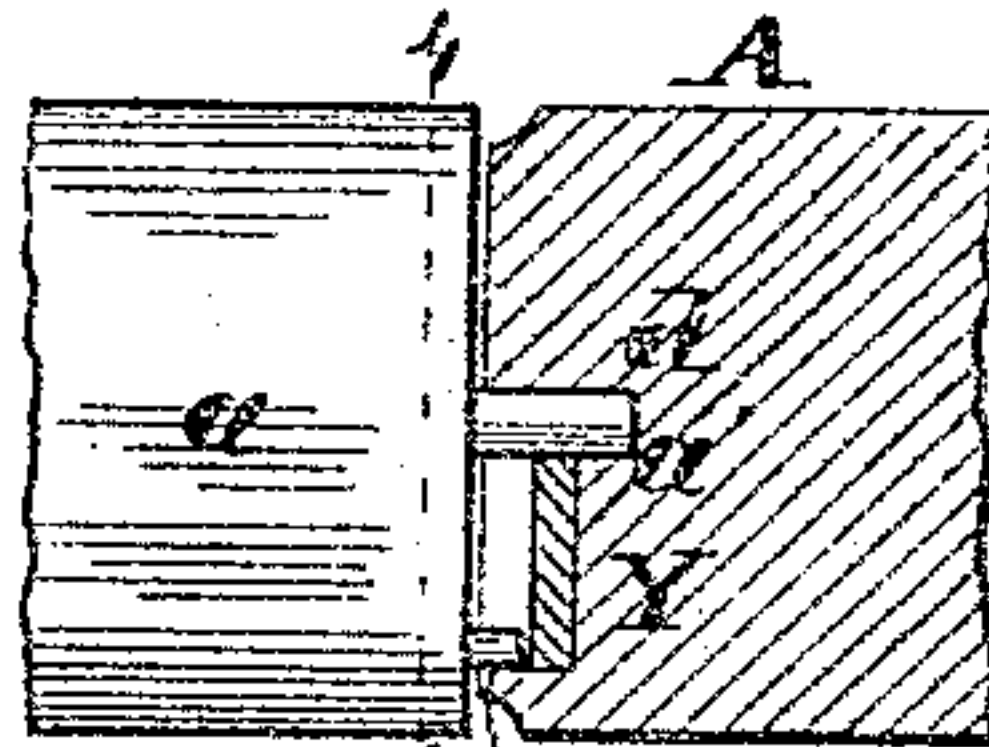


Fig. 3.

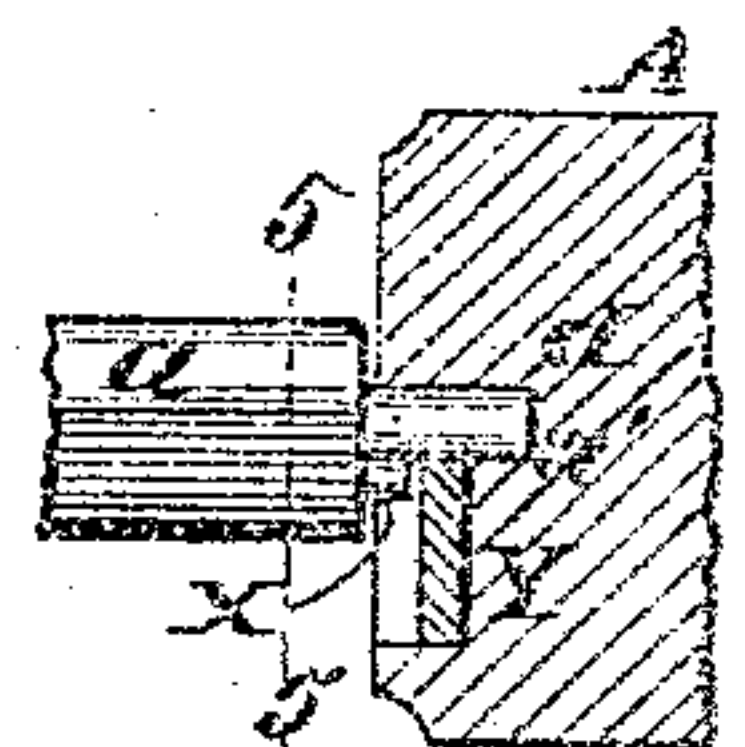


Fig. 4.

Fig. 5.

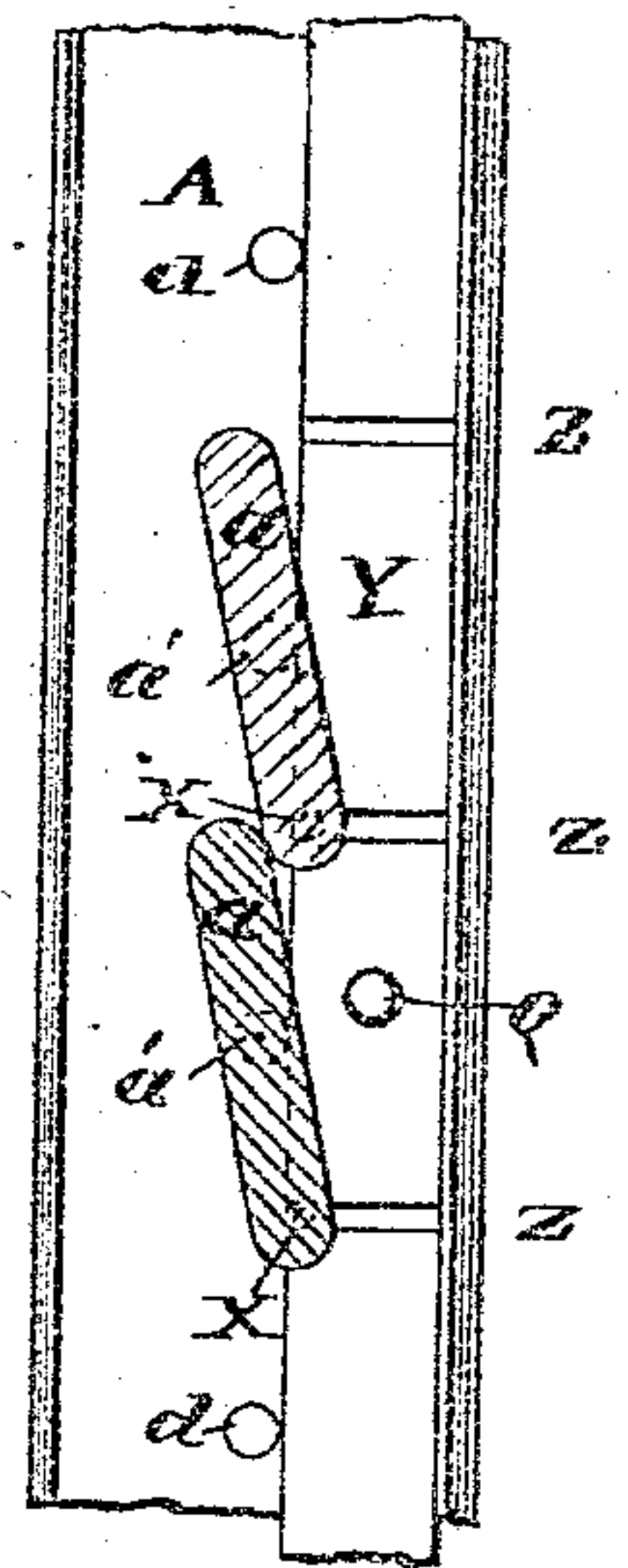
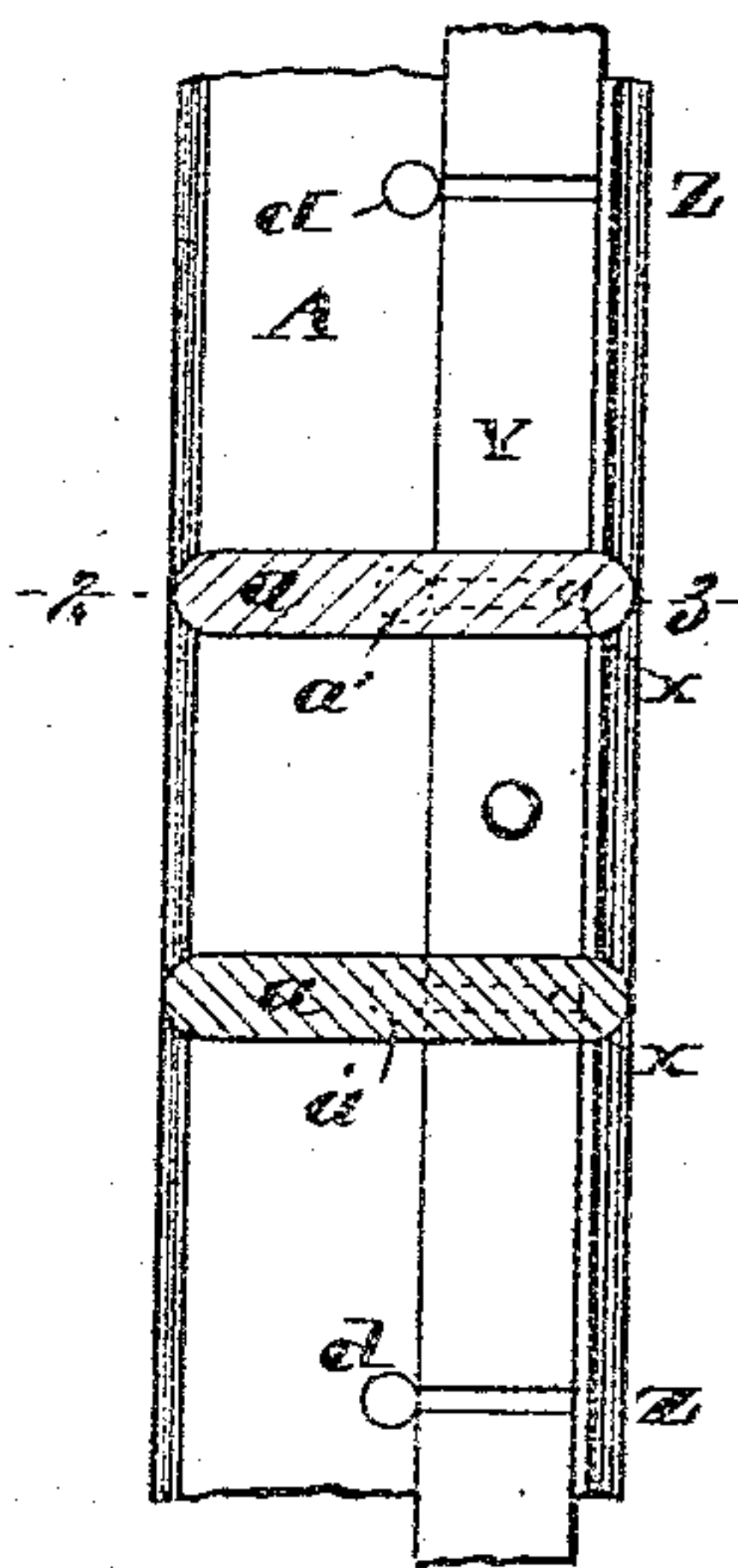
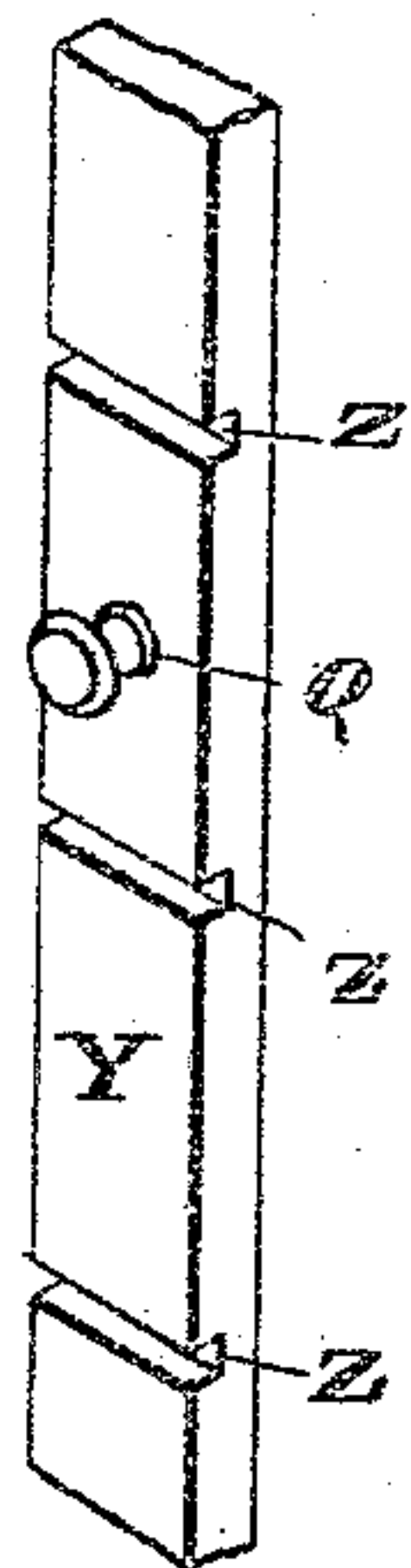
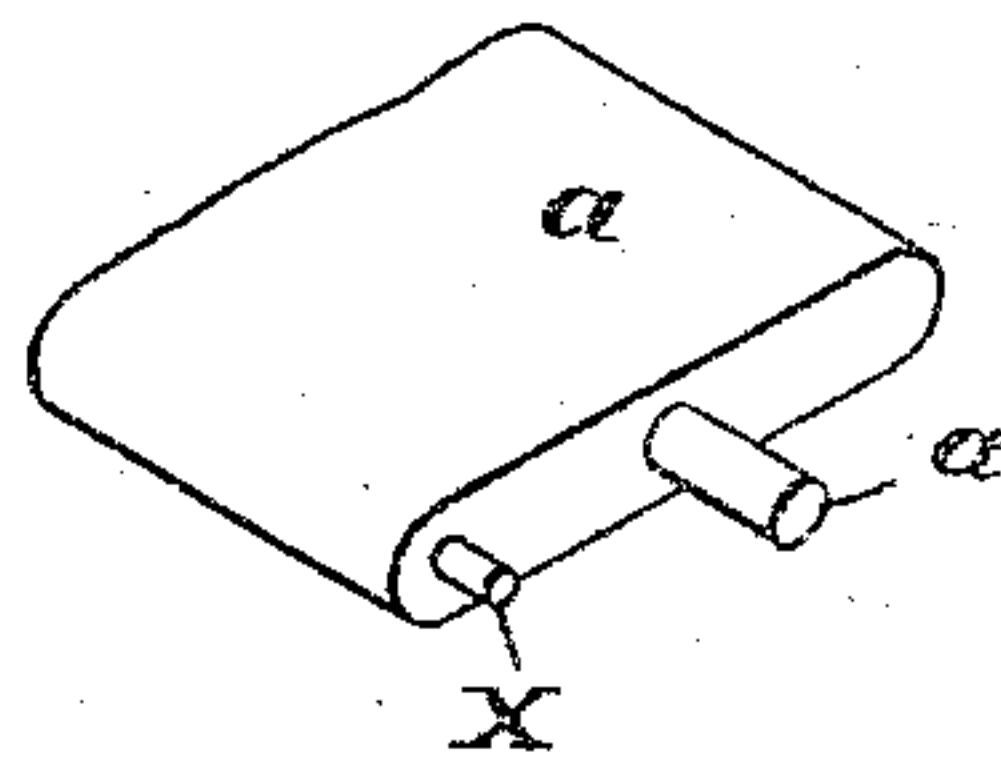


Fig. 6.

Fig. 7.



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RUBEN B. AYRES, OF ST. LOUIS, MISSOURI.

WINDOW-BLIND.

SPECIFICATION forming part of Letters Patent No. 321,474, dated July 7, 1885.

Application filed March 6, 1885. (No model.)

To all whom it may concern:

Be it known that I, RUBEN B. AYRES, of the city of St. Louis, State of Missouri, have made a certain new and useful Improvement
5 in Window-Blinds, of which the following is a full, clear, and exact description, reference being had to the annexed drawings, in which—

Figure 1 is an elevation of shutter or window-blind with part of side rail broken away;
10 Fig. 2, a horizontal section on line 2 3, Fig. 4, (slats open;) Fig. 3, a horizontal section on line 2 3 of Fig. 4, with slats closed; Fig. 4, a vertical section on line 4 4 of Fig. 2; Fig. 5, a vertical section on line 5 5 of Fig. 3; Fig. 6, a detail
15 perspective of end of slat; Fig. 7, a detail perspective of lifting-bar.

In the drawings, A is the shutter frame; *a*, the slats; *a'*, slat-pivots; *x*, slat-lugs; *d*, bearings in shutter-frame; Y, lifting-bar; *z*, slots
20 in lifting-bar, and Q knob or handle attached to lifting-bar.

Like letters refer to like parts.

The construction of my invention is as follows: On the inside of one of the longitudinal
25 side pieces of the shutter frame-work A is hung a slat-lifting bar, Y. This lifting-bar Y is hung or attached to side piece of shutter frame-work, so as to slide up and down in side piece of frame-work, preferably fitting
30 into a longitudinal groove in side piece of frame-work, as shown in Figs. 2 and 3. This slat-lifting bar Y is provided with slots *z z* for slat-lugs *x* to work in. The slats *a* are pivoted by means of their pivots *a'* and bearings
35 *d* in frame-work side pieces to shutter-frame A, in the usual manner; but to one side of pivots *a'*, at one end of slats *a*, slats *a* are provided with lugs *x*. These lugs *x* engage with
40 slots *z* of lifting-bar Y.

I preferably attach a knob or handle, Q, to lifting-bar Y, and in any suitable manner, to

provide a ready means of moving lifting-bar Y. This knob Y may also be a thumb screw, to facilitate the adjustment of window-slats at a particular angle.

When the lifting-bar Y is raised, the lugs *x*
45 follow along the line of slots *z* to farther ends of these slots, and thus the slats are opened, (see Figs. 2 and 4,) and when lifting-bar Y is lowered the lugs *x* drop back along the line of
50 slots *z* to nearer ends of slots, (see Figs. 3 and 5,) and thus slats are closed.

I am aware that window-blinds having slats pivoted to a stationary plate on the window-frame, and having lugs eccentrically situate on
55 the ends of the slats and fitting in vertical curved slots in a sliding plate, are not new, and I do not desire to claim the same.

I claim—

1. In a window-shutter, the combination of
60 a frame, A, slats *a*, having pivots *a'*, and lugs *x*, situate on a line with the pivots parallel with the faces of the slats, pivot-bearings *d*, and a lifting-bar having horizontal slots *z*, substantially as and for the purpose specified. 65

2. In a window-shutter, the combination of a frame, A, having pivot-bearings *d*, a sliding bar, Y, fitting in a recess in the frame A, and having horizontal slots *z* and knob Q, and slats
65 *a*, having pivots *a'*, situate at the middle of the end faces of the slats, and lugs *x*, situate on a line with the pivots parallel to the side faces of the slats, substantially as and for the purpose specified.

In testimony whereof I have affixed my signature, in presence of two witnesses, this 18th
70 day of February, 1885.

RUBEN B. AYRES.

Witnesses:

PAUL BAKEWELL,
J. L. HORNSBY.