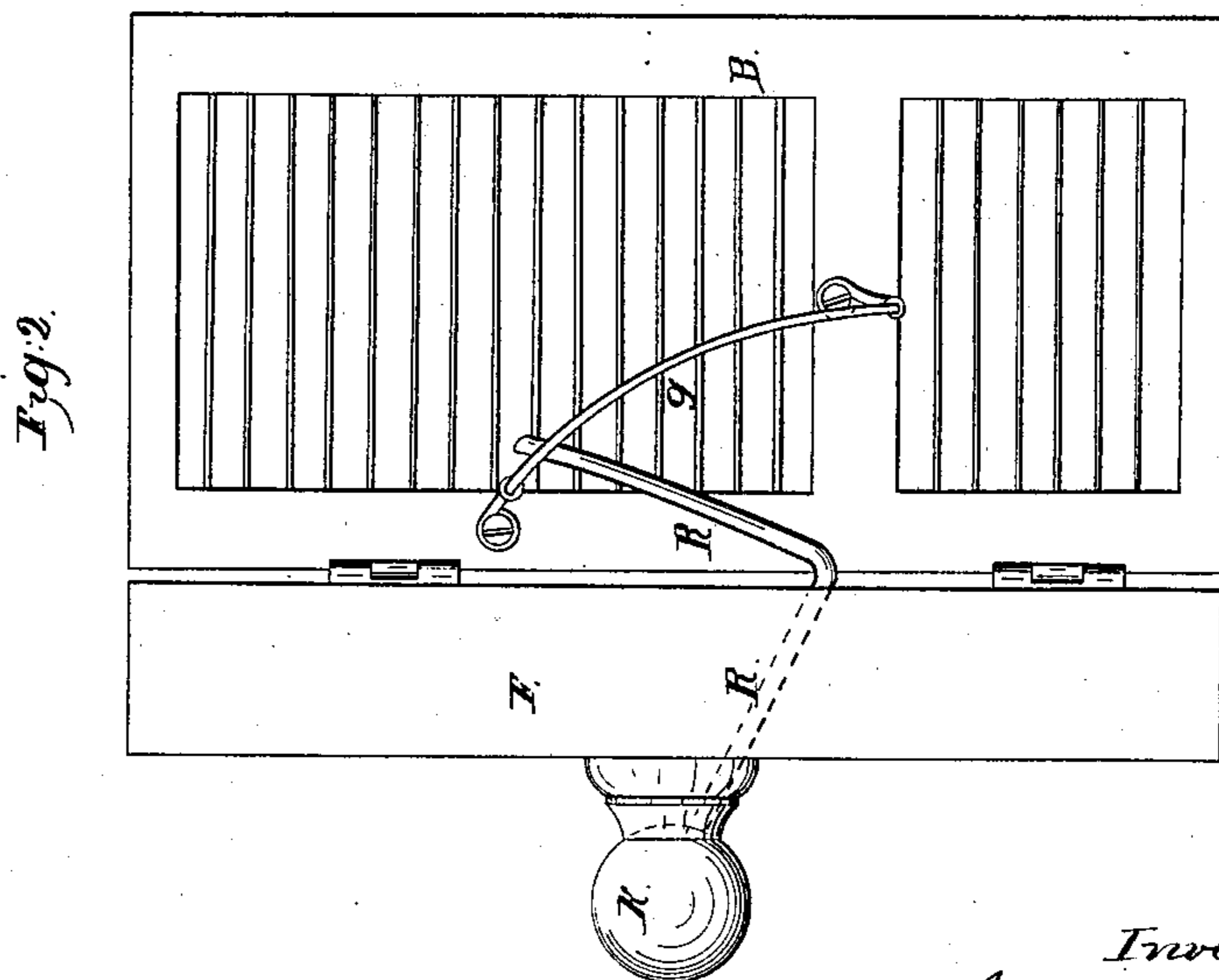
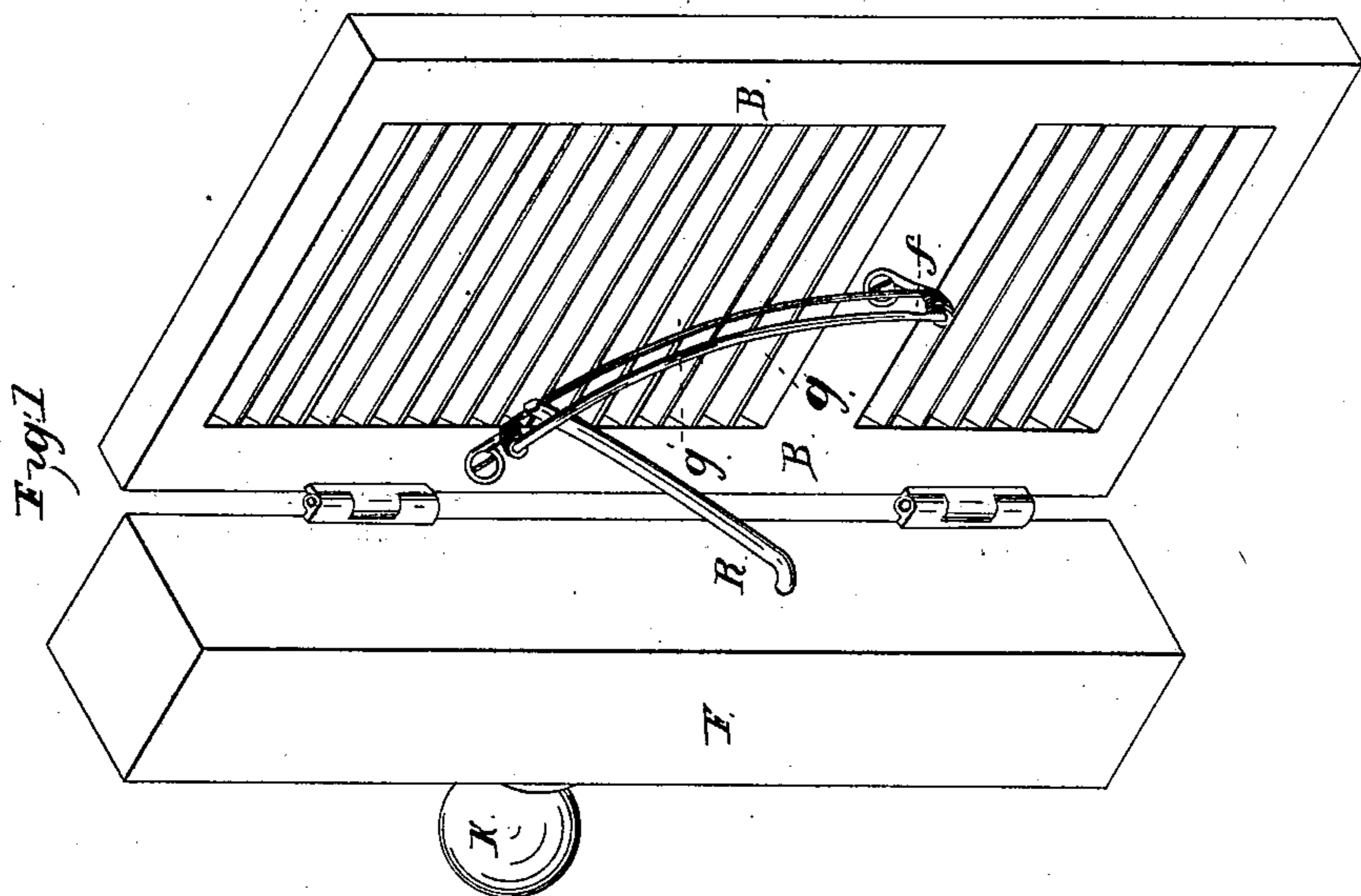


J. Johnson,
Shutter Worker.

N^o 27,295.

Patented Feb. 28, 1860.



Witnesses:
Francis Rudd
Benjamin Gell

Inventor:
Casper Johnson

UNITED STATES PATENT OFFICE.

JASPER JOHNSON, OF GENESEO, NEW YORK.

BLIND-OPERATOR.

Specification of Letters Patent No. 27,295, dated February 28, 1860.

To all whom it may concern:

Be it known that I, JASPER JOHNSON, of Geneseo, in the county of Livingston and State of New York, have invented a new and useful Improvement in Apparatus for Opening and Closing Blinds; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawing, forming part of this specification, in the several figures of which similar characters of reference denote the same part.

Figure 1 is a perspective view of my invention attached to a window blind and the latter open. Fig. 2 is a face view of the same.

This invention has for its object the construction of an apparatus for opening, and closing window blinds from the inside without hoisting the sash; and it consists in a rod, going through the upright post of the window frame, attached on the inside to a loose knob, and immediately outside the window frame bent at a right angle, and the other end is between two guide pieces fastened to the blind on the outside, these guides being curved, and the one next to the blind consisting of a spring, which yields to the pressure of the rod, and renders its movement more easy. So that by turning the knob on the inside, the rod moves up between the guides, pressing against the inner one, which yields to it, and opens the blinds half way, until the arm is turned in an upright position, when it presses against the outer guide, and turning down again it throws the blind entirely back. There is a small dent at the lower end of the outer guide into which the rod catches, when the blind is opened, and holds it back. By turning the knob in an opposite direction the movement of the rod is reversed, and the blind closed.

In the drawing B, is the blind, F, the window frame through which the rod R,

passes, K the knob on the inside attached to the end of rod R, and by which it is turned. This rod is bent at a right angle outside the frame F, and the end inserted between the outer curved guide *g*, and the inner guide or spring *g'*, which are fastened to the outside of the blind B. *f* is the dent in guide *g* into which the rod R catches and holds the blind open.

By turning the knob K the rod R is turned around, and acting against the guides *g*, and *g'*, opens the blind B, and by reversing its movement it is again closed.

Whenever the blind is opened, the outer arm of the rod R lies across it and acts as a fastening to prevent it from being closed accidentally. The same thing obtains when the blind is closed, the arm pressing upon the blind and preventing it from opening without the turning of the knob. The rod thus performs the double function of fastening and operating the blind.

I am aware that blinds have been opened and closed from the inside by various devices; this I do not claim broadly. I also disclaim the devices patented by H. Collins June 10th 1856, and I. E. Clokey March 30th 1858 as not constituting the subject matter of my invention.

What I claim and desire to secure by Letters Patent is—

The curved guides *g g'* and bent rod R passing through the window frame, in combination with the blind and window frame when said rod performs the double function of operating and fastening the blind as hereinbefore set forth.

In testimony whereof I have hereunto signed my name before two subscribing witnesses.

JASPER JOHNSON.

Witnesses:

ANDREW VAN NESS,
J. H. VAIL.