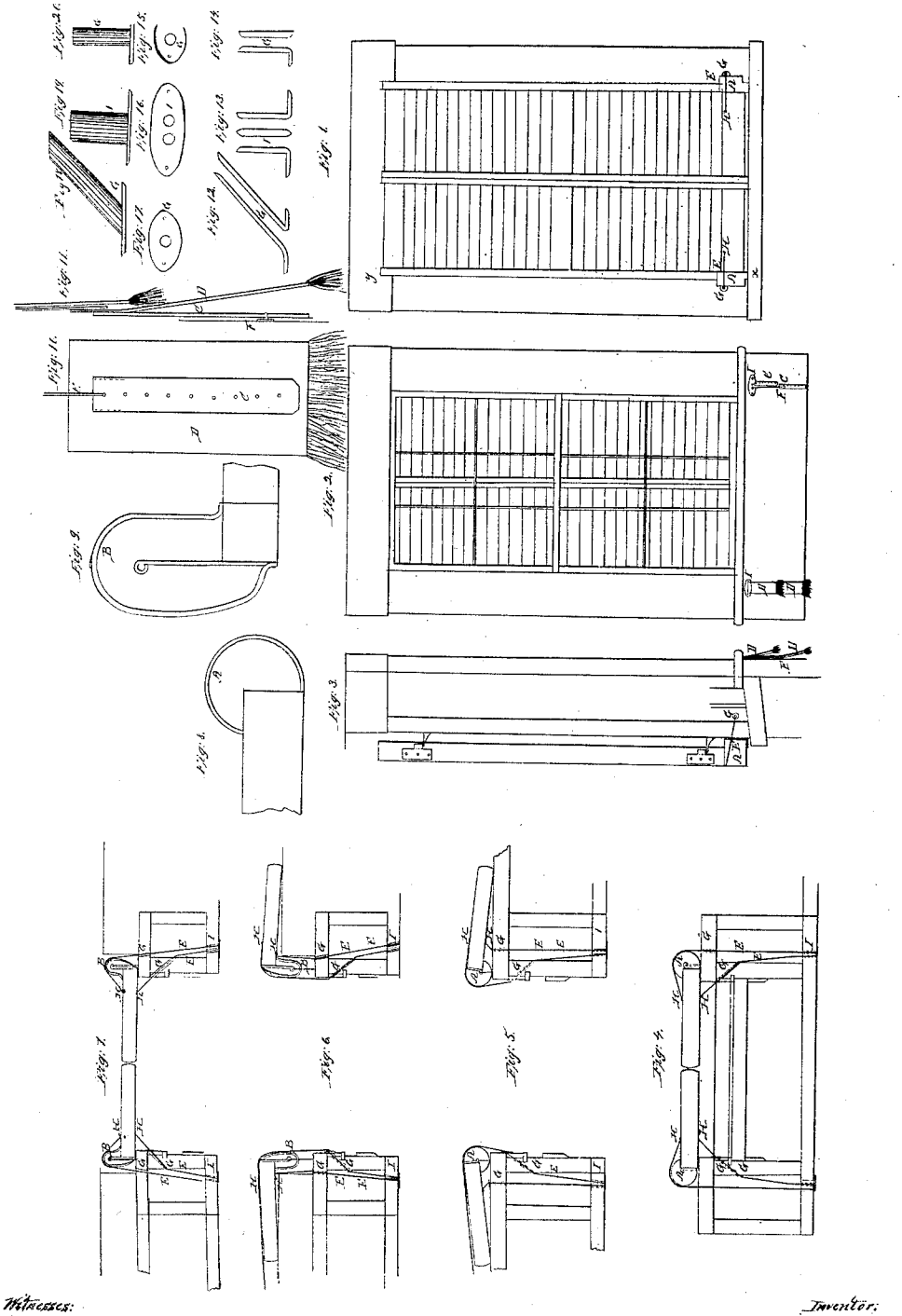
J. K. BARKER.

SHUTTER OPERATOR.

No. 23,541. Patented Apr. 12, 1859.



Witnesses:

Inventor:

James K. Barker

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JAMES K. BARKER, OF LAWRENCE, MASSACHUSETTS.

SHUTTER-OPERATOR.

Specification of Letters Patent No. 23,541, dated April 12, 1859.

To all whom it may concern:

Be it known that I, JAMES K. BARKER, of Lawrence, in the county of Essex and Commonwealth of Massachusetts, have invented a new and useful Mode of Opening, Shutting, and Fastening Exterior Blinds in the Inside of Buildings; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 represents exterior blinds shut with my invention applied to them. Fig. 2 represents exterior blinds shut as seen from inside of building with mode of fastening. Fig. 3 represents a longitudinal elevation of window jamb and blind with my invention applied. Fig. 4 represents sections of window jambs to wooden buildings with blinds shut showing block or arc, A, pipes, G and I and cords, E. Fig. 5 represents same as Fig. 4, except the blinds opened Figs. 6 and 7 represent the same for brick and stone buildings as Figs. 4 and 5 do for wooden buildings. Figs. 8 and 9 represent an arc or block attached to a blind as see, A, in Figs. 4 and 5, and, B, in 6 and 7. Fig. 10 represents under side of fastening with ornamental covering. Fig. 11 represents side view of same. Figs. 12 to 20 represent different views of the pipes used.

In order to apply my invention, I use a block or arc, A, for wooden buildings, and B, for brick or stone buildings, of convenient size, which I fasten to any part of the blind centering nearly with the center of motion of the blind or to the building directly above or below the center of motion of blind as at x, and y, in Fig. 1. These blocks or arcs are the leverage by which I am enabled to control the exterior blinds from the inside of buildings. I then arrange the pipes, G, as see Figs. 4 and 5, or 6 and 7, which are made very smooth on inside to avoid friction and wear to cord or chain. I then fasten one end of the cord or chain to the blind at the point H and then pass them around around the block, A, or B, and through the outside pipes, G, into the pockets of window jamb. I then from the inside of the building and through the aperture made to receive the inside pipe, I, pass a wire bent in the form of a hook, and draw the cords from the jamb and fasten them to the straps, C, in Fig. 2. I then by means of the knob, F, which is slipped into one of the holes of the straps make the blind fast either open or shut. Now when the blind is shut, and fastened, I slip the strap, C, from the knob, F, and then pull on the other or upper strap, and fasten the blinds open on the same knob. If I wish to hold the blinds open on any particular angle, I use two knobs and fasten one strap to each.

The advantages of my invention are, that any one by exerting a power of about eight pounds is enabled to open, shut, and fasten exterior blinds in the inside of buildings, without the trouble of raising the window and reaching out. Blinds may be opened to any desired angle and fastened, thus keeping out the rays of the sun, and at the same time admitting the required amount of light. Blinds by my invention being operated nearly as easily as curtains, they will take their place in many buildings, thus doing away with curtains and fixtures to some extent.

My invention is a substitute for all kinds of exterior blind fasts. That it may be applied to any building readily whether built or to be built. They will not be expensive.

I do not claim the strap, c, or the ornamental covering, D, or any particular kind of fastening, as the same may be accomplished in many known ways, as by loops on the cord, links of a chain or by a wheel with cog and catch, but I have adopted the strap as the most convenient of known ways of fastening a cord, it admitting an ornamental covering. But

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

1. The use of the block or arc, A, and B of convenient size to be fastened to the blind or building as described in this specification and for the purpose herein described.

2. I also claim the design of arranging the pipes and cords, and the design of opening, shutting, and fastening, exterior blinds in the inside of buildings, by means described in this specification.

JAMES K. BARKER. [L. S.]

In presence of—
GEO. W. SARGENT,
GEO. S. MERRILL.