

S. Hebron.
Window Shutter.
N^o 94,599. Patented, Sept. 7, 1869.

Fig. 1.

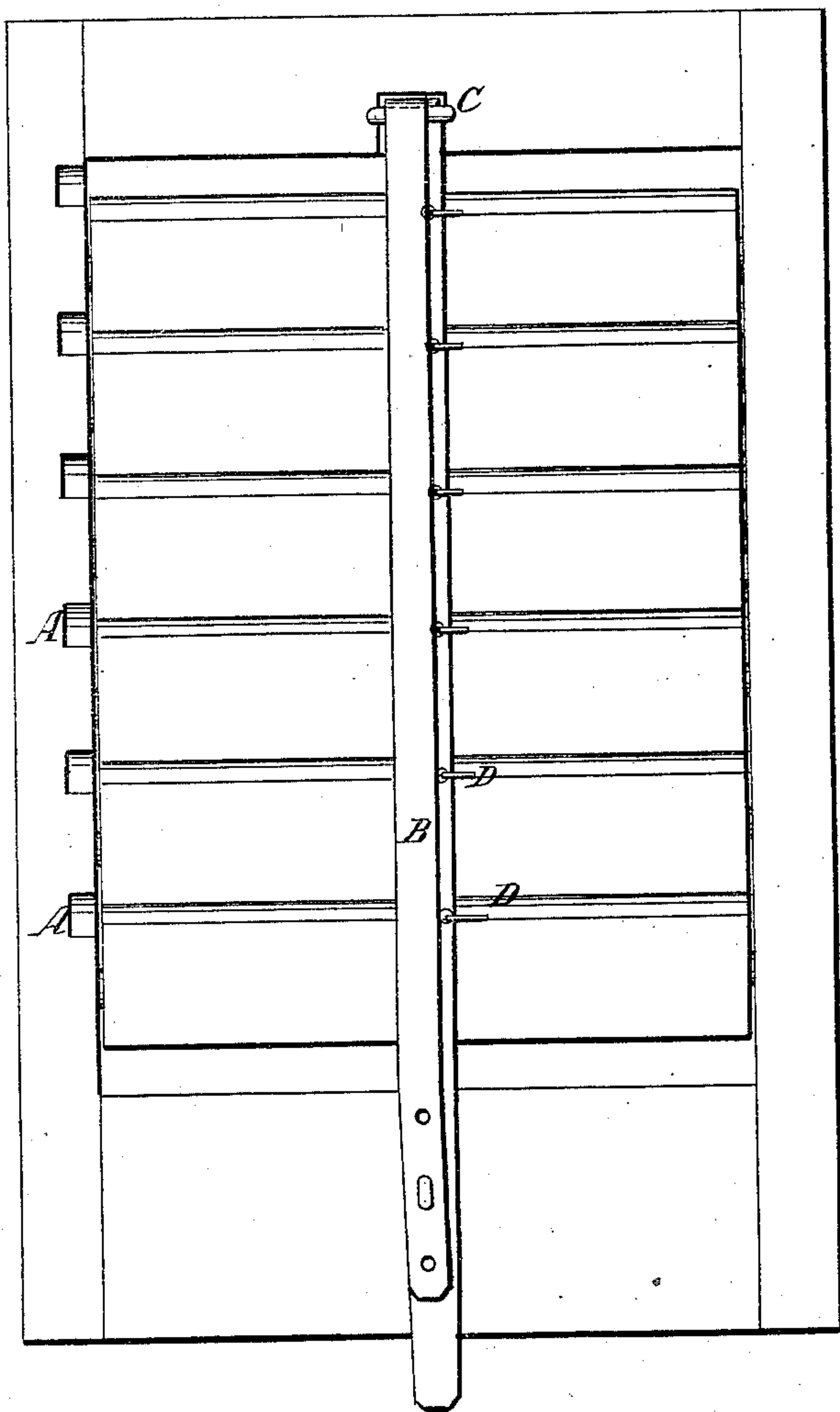
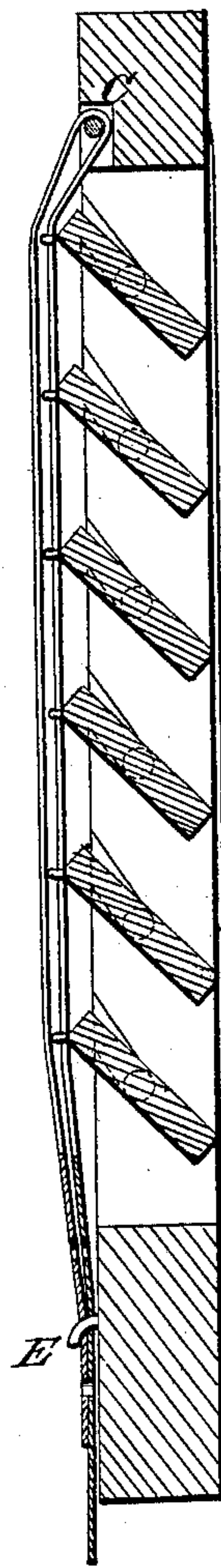


Fig. 2.



Witnesses.

John F. Brooks
E. Greene Collins

Inventor.

S. Hebron.
per
Munn & Co
Attorneys.

United States Patent Office.

STEPHEN HEBRON, OF BUFFALO, NEW YORK.

Letters Patent No. 94,599, dated September 7, 1869.

IMPROVED WINDOW-BLIND.

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, STEPHEN HEBRON, of Buffalo, in the county of Erie, and State of New York, have invented a new and useful Improvement in Window and other Blinds; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to improvements in blinds for windows, doors, &c., whether for outside or inside use, and consists in an improved construction of the same, for the adaptation thereto of mosquito-bars, as herein-after more fully specified.

Figure 1 represents an inside elevation of my improved blind, and

Figure 2 represents a sectional elevation of the same.

Similar letters of reference indicate corresponding parts.

For the purpose of adapting the blinds for the application of mosquito-bars, without interference of the slats therewith when in the open condition, I pivot the slats near the inner sides of the stiles, as shown in fig. 2, to prevent them from projecting outwardly against the mosquito-bar, which I apply to the outside blinds by fastening the fabric to a light frame, and securing the latter to the frame of the blinds, detachably, by means of set-screws, or equivalent means.

For adapting my improved blinds so that the slats may be readily removed therefrom after the frame is secured together, I provide grooves, A, in one stile, opening into the holes for the bearings of the slats, the said grooves being inclined downward from the place of starting at the face of the stile, so that the slats will not work out of place.

And, as a means for operating the slats, for opening and closing them, instead of the rigid bars commonly used, I employ straps, B, preferably of slightly elastic substance, of sufficient length to reach from the bottom of the blind, or from one cross-bar to the next above, and back again, passing over a guide-rod, or, if preferred, a pulley; at C, one part of the said strap

being connected by staples, D, to the edge of each slat. To form this connection, I make perforations in the strap, at the same distance apart as the slats, and using the common barbed staples, drive them, with one prong, through the said perforations into the edges of the slats.

The slats are moved by pulling the strap in either direction over the guide-rod C; and, to provide for holding them at any desired position, the straps are provided at the ends with holes to hook on to the hooks E, in the lower cross-bar of the blinds.

This method of operating slats is applicable to either outside or inside blinds, and whether the slats are vertical or horizontal.

And, the chief object of my invention is to provide an arrangement whereby the slats may be all removed together and compactly folded away, in seasons when not needed to obstruct the rays of the sun. This is readily accomplished by withdrawing the strap from the guide-rod C, and running the slats all together, after which they may be rolled into a compact bundle, and secured by the straps for stowage, until wanted again.

When the slats are so removed, the blind-frame may be kept closed, and thereby prevented from working loose from the fastenings commonly employed for holding them open, and becoming damaged, and annoying by slamming.

By this construction, also, the slats and netting may be removed together, or singly, according as circumstances require.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

1. Outside blinds, having the slats journaled therein, as herein described, for the purpose specified.

2. The combination, with window-blinds, constructed as herein specified, of mosquito-bars, detachably connected thereto, as described.

STEPHEN HEBRON.

Witnesses:

JAMES HEBRON,
ROBERT UMPHLY.