

T. CORRIGAN.
Shutter-Worker.

No. 202,413.

Patented April 16, 1878.

Fig. 1.

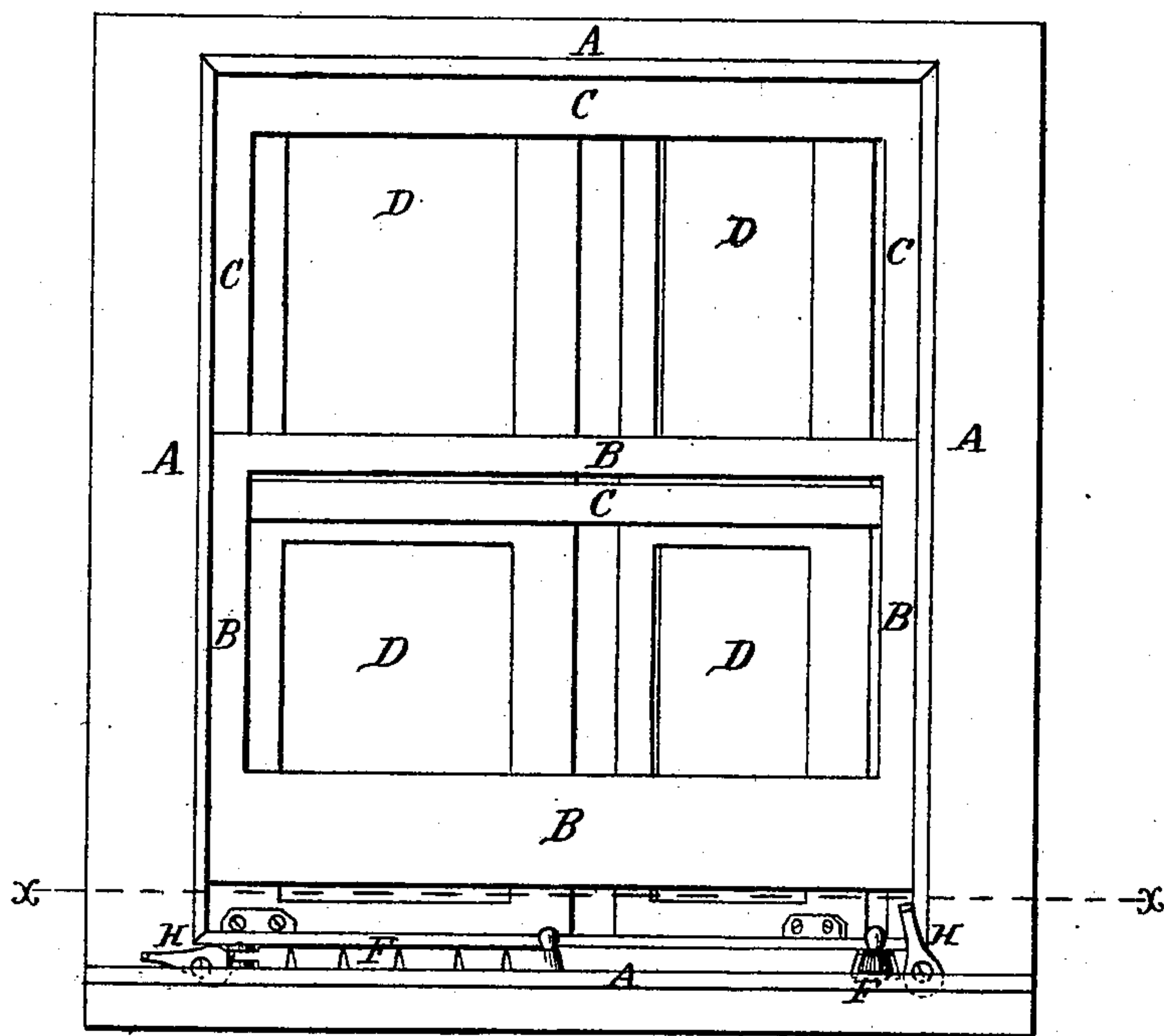
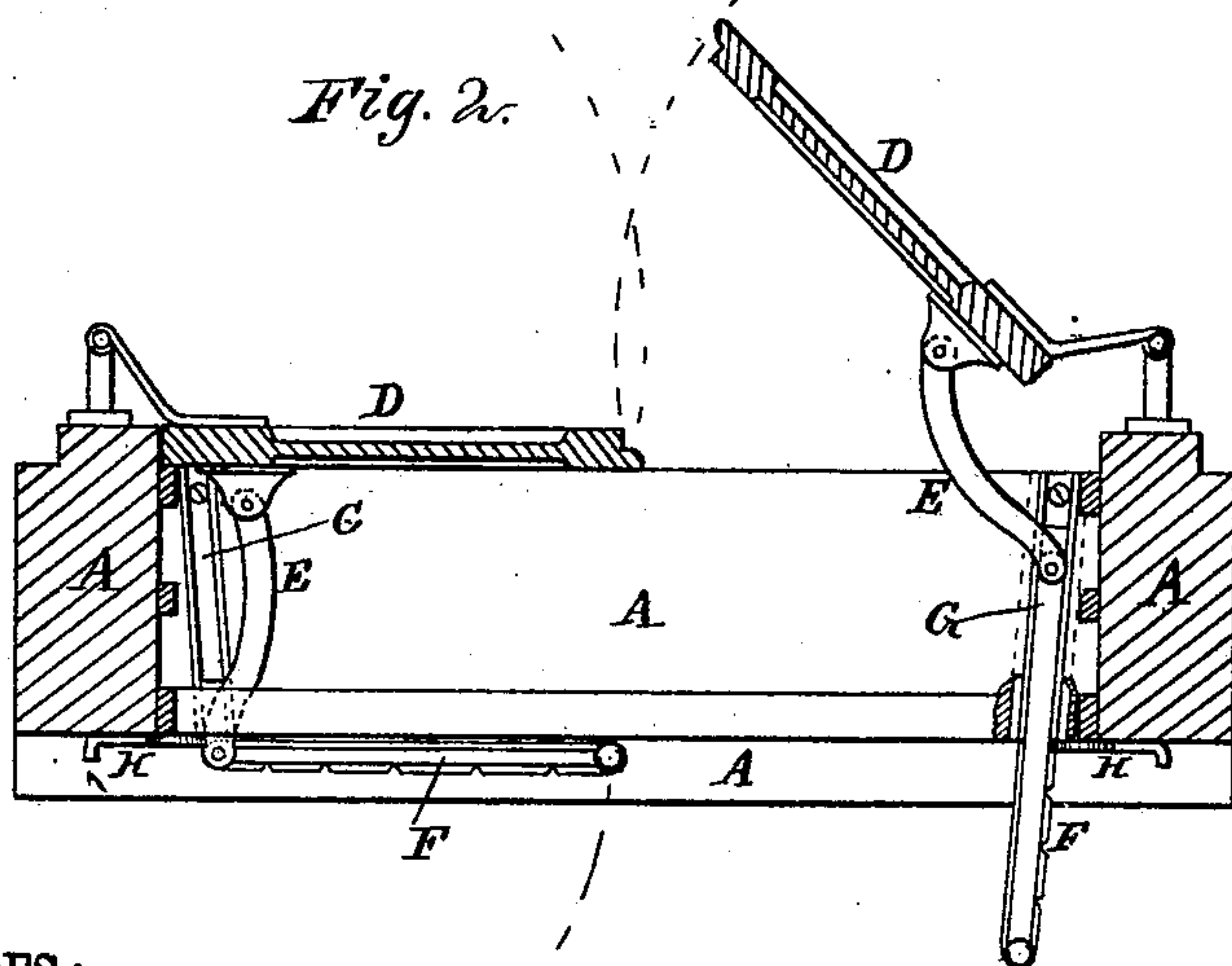


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

THOMAS CORRIGAN, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN SHUTTER-WORKERS.

Specification forming part of Letters Patent No. **202,413**, dated April 16, 1878; application filed February 7, 1878.

To all whom it may concern:

Be it known that I, THOMAS CORRIGAN, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Blind Adjuster and Fastener, of which the following is a specification:

Figure 1 represents a window to which my improvement has been applied, the lower sash being shown as partly raised. Fig. 2 is a horizontal section of the same, taken through the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved device the use of which will enable the blinds to be opened, closed, adjusted at any desired angle, and securely fastened in the various positions without its being necessary to raise the sash, and which shall be simple in construction, convenient in use, and reliable in operation.

The invention consists in the novel combination of the curved bars, the sliding jointed bars, the slides, and the eccentrics with each other, and with the blinds and the casing of a window, as hereinafter more fully described and claimed.

A represents the casing, B the lower sash, C the upper sash, and D the blinds, of a window, about the construction of which parts there is nothing new.

To the lower parts of the blinds D are pivoted the outer ends of the curved bars E, the inner ends of which are pivoted to the jointed bars F at their joints. The bars F slide in grooved slides G, let into the window-sill, and passing in through the lower part of the casing.

The joints in the sliding bars F are made near their rear ends, and in such positions that the forward and main parts of the said bars F, when the blinds D are fully closed, may be turned along the inner side of the lower part of the casing A, as shown in Figs. 1 and 2, the outer and smaller parts of the said bars F remaining in the slides G, to serve as guides to the said bars E.

In the edge of the bars F are formed notches, to receive the edges of the eccentrics H, which are pivoted to the casing A, so that the said bars E may be securely held in any position into which they may be adjusted.

By this construction, by operating the sliding bars F, the blinds D may be closed and opened to any desired extent without its being necessary to raise the sash B.

I am aware of shutter-workers consisting, essentially, of sliding handled bars attached to the shutters and extending through the window-frame, and combined with means for locking the shutter in a fixed open or closed position, and such are not broadly claimed.

Having thus described my invention, I claim as new and desired to secure by Letters Patent—

The combination of the curved bars E, the sliding jointed bars F, the slides G, and the eccentrics H with each other, and with the blinds D and the casing A of a window, substantially as herein shown and described.

THOMAS CORRIGAN.

Witnesses:

JAMES T. GRAHAM,
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