

(No Model.)

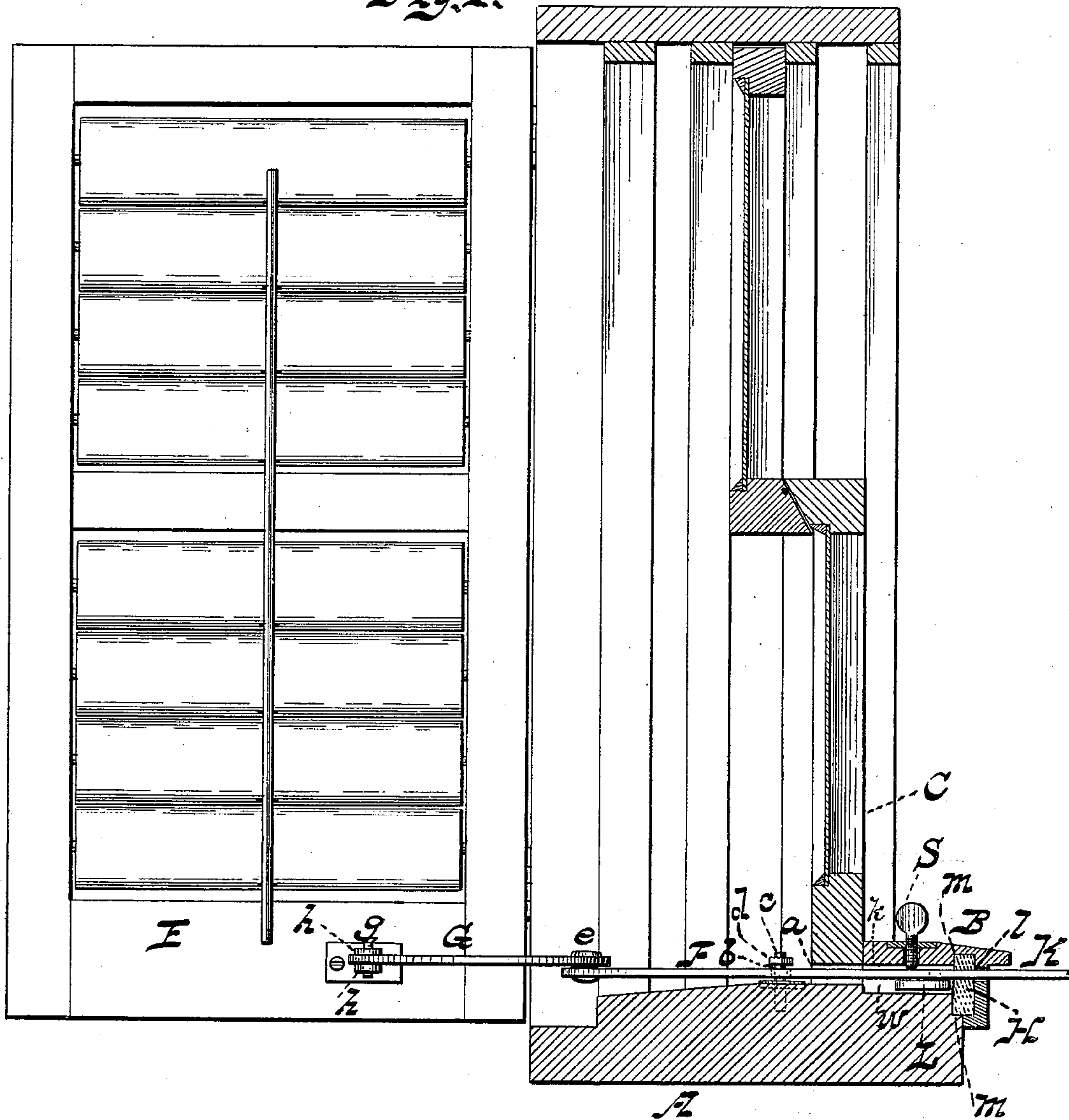
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W. KAUFMAN.  
SHUTTER WORKER.

No. 262,789.

Patented Aug. 15, 1882.

*Fig. 1.*



WITNESSES  
*E. H. Bates -*  
*P. C. Masi.*

INVENTOR  
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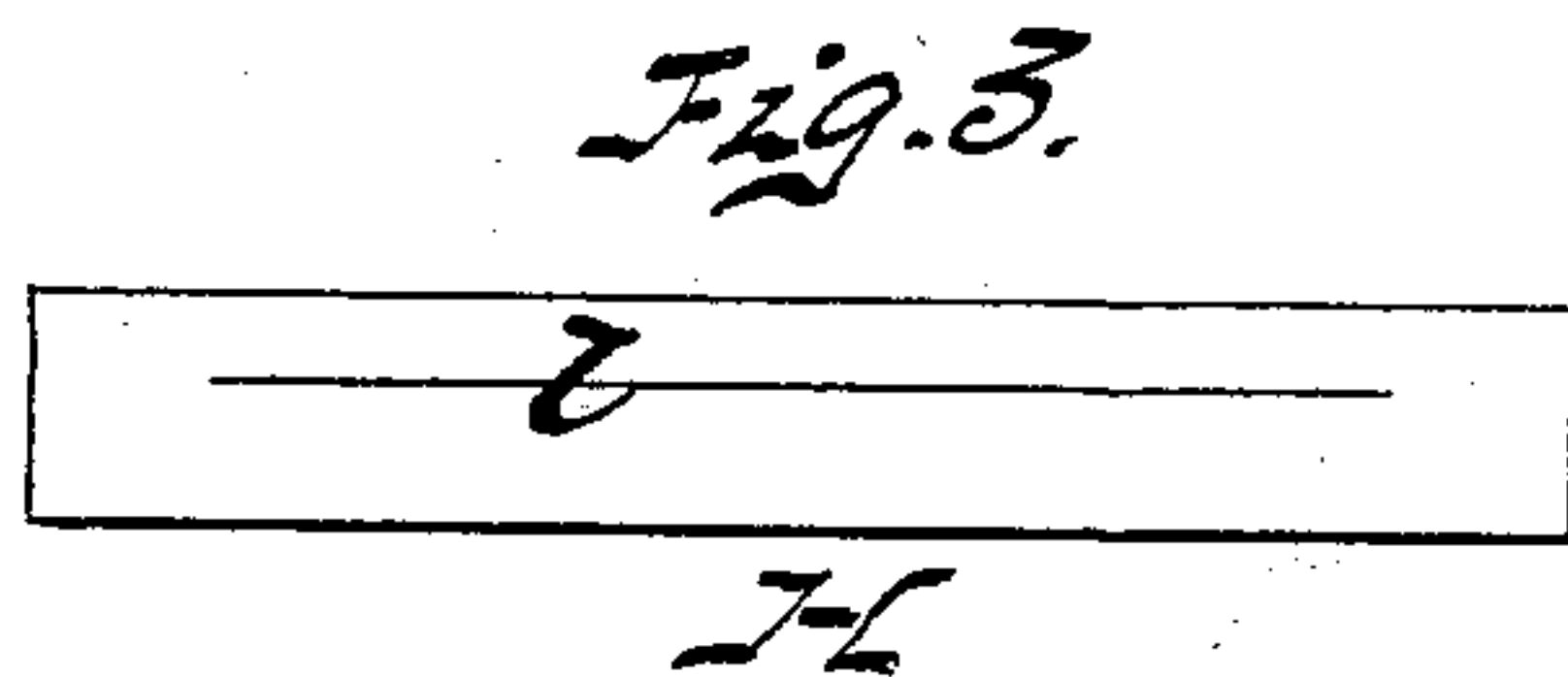
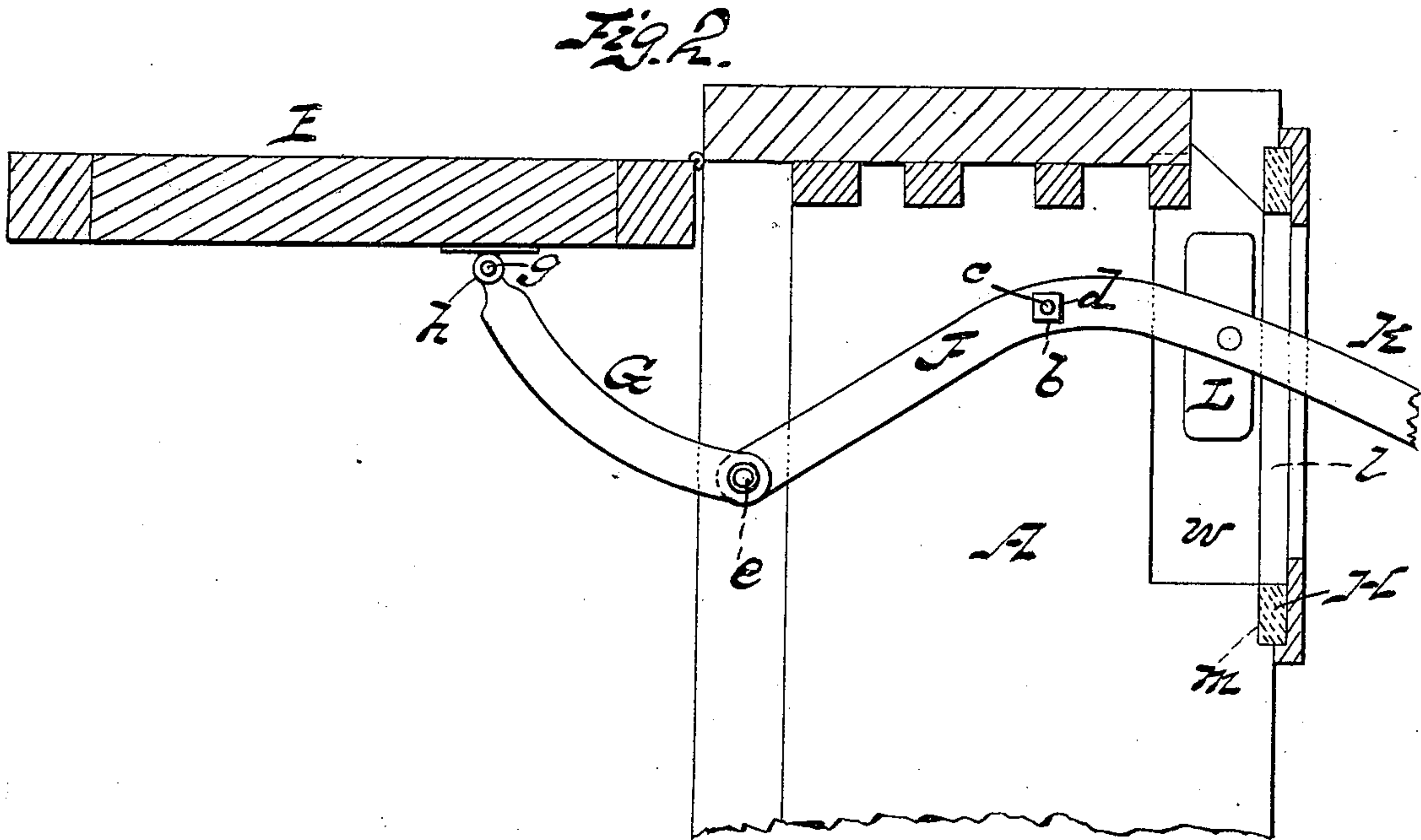
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2 Sheets—Sheet 2.

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# UNITED STATES PATENT OFFICE.

WILLIAM KAUFMAN, OF NEW YORK, N. Y.

## SHUTTER-WORKER.

SPECIFICATION forming part of Letters Patent No. 262,789, dated August 15, 1882.

Application filed February 7, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM KAUFMAN, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Shutter-Workers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 represents a vertical sectional view of my improved shutter-worker. Fig. 2 represents a longitudinal sectional view of the same, and Fig. 3 is a detail view.

This invention has relation to shutter-workers; and it consists in the construction and novel arrangement of the thin plate lever and its connection with the blind, the rubber weather-packing through which the lever works, the set-screw, and the set-screw bearing-plate attached to the lever, all as herein-after set forth.

In the accompanying drawings, the letter A designates the window-sill, and B the bead-molding on the inside margin of the same.

C represents the lower sash, having a small recess, *a*, cut in its under side, through which the operating-lever passes. This recess is of less height than the bead B, and is closed thereby when the sash is down.

E indicates the blind or shutter.

F represents the operating-lever, which is made of thin plate metal laterally curved, as indicated in the drawings. The lever is provided with a fulcrum bearing or aperture, *b*, which is seated on the upper end of the fulcrum-bolt *c*, which extends upward through the sill, near or under the sash, and is provided with a nut, *d*, which holds the lever on the fulcrum. When the nut is taken off the lever can be at once removed.

G designates a curved thin metal connecting-plate, which is pivoted by its inner end to the end of the lever, as at *e*, and is connected to the blind by means of a bolt, *g*, passing

through this end and through perforated lugs *h*, fastened in the lower part of the blind. 50

In order to prevent the entrance of wind, rain, or snow into the apartment through the slot *k*, which is made between the sill and the bead for the passage of the end of the operating-lever, a weather-packing, H, of rubber, is employed. This strip of rubber is longitudinally and horizontally slit at *l* to afford passage for the lever, and is confined by its upper and lower portions in recessed seats *m* in the sill and bead. 60

To the handle end K of the lever, under the bead, is pivoted a short transverse plate, L, which moves laterally in the way *w*, under the bead.

S represents a set-screw, which extends through the bead-molding, and is designed, when turned down, to engage the lever or its bearing-plate L, thereby holding said lever in any position in which it may be placed by the adjustment of the blind, and consequently holding the latter in position. 70

A lever movable transversely through the wall of the house below the level of the bottom of the blind has been provided with a rubber packing, by means of which regularity of movement is secured to the lever and cold air is prevented from entering the house around said lever, and this construction is not claimed herein. 75

Having described this invention, what I claim, and desire to secure by Letters Patent, is— 80

In a shutter-worker, the combination, with the laterally-curved lever F and its curved connecting-plate G, of the blind E, sill-fulcrum *c*, bead B, slot *k*, bearing-plate L, attached to and moving with lever F, set-screw S, and the slit rubber weather-packing H, seated in the working-slot *k*, substantially as specified. 85

In testimony whereof I affix my signature in presence of two witnesses. 90

WILLIAM KAUFMAN.

Witnesses:

LOUIS N. DONNATIN,

JAMES K. VAN BRUNT.