

*Lee G. Dodge,
Shutter Worker.*

N^o 85,290.

Patented Dec. 29, 1868.

Fig. 1.

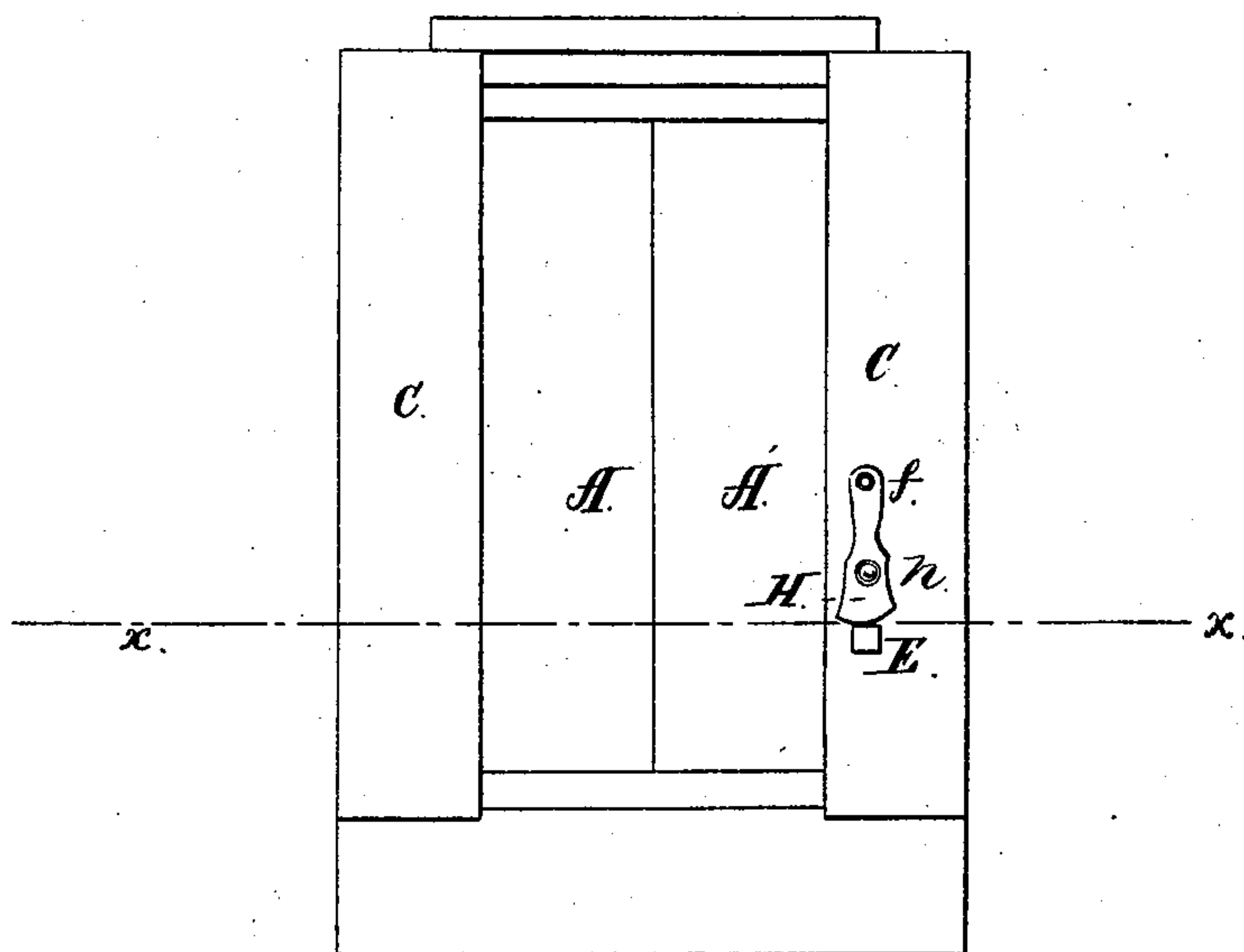
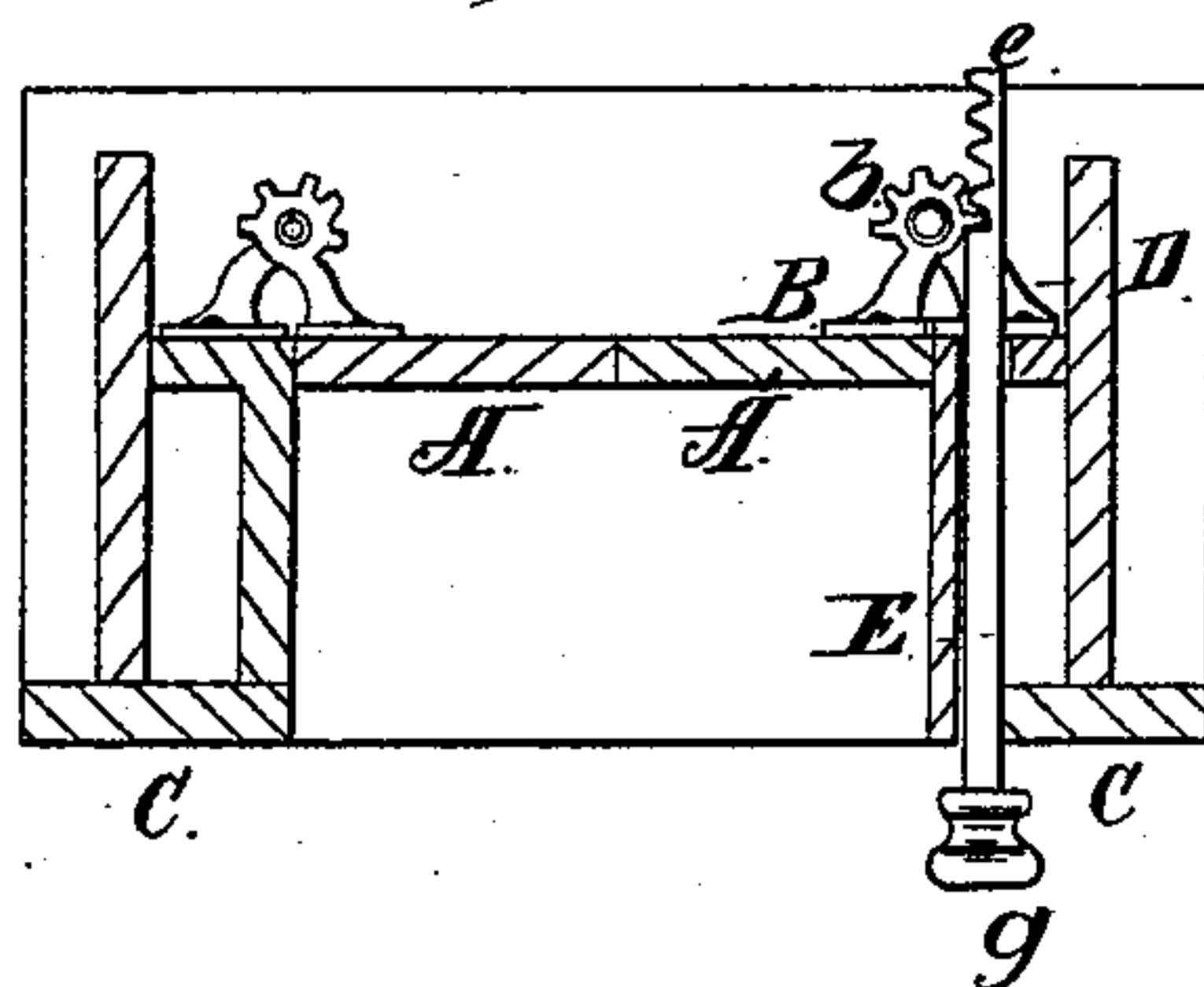


Fig. 2.



*Witnesses:
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LE GRAND DODGE, OF SYRACUSE, NEW YORK.

Letters Patent No. 85,290, dated December 29, 1868.

IMPROVEMENT IN SHUTTER-FASTENER.

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, LE GRAND DODGE, of Syracuse, in the county of Onondaga, in the State of New York, have invented a new and useful Improvement in Operating Window-Blinds; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is an inside view of the casing and blinds.

Figure 2 is a horizontal section, taken in the line $x x$ in fig. 1.

Similar letters of reference indicate like parts.

My invention relates to that class of shutter-operators consisting of a sliding rack-bar, which engages with a pinion forming part of the moving portion of the hinge; and

It consists in the use, in connection therewith, of a centrally-pivoted cam-lever, provided with a handle, for the purpose of clamping the rack in any desired position, as hereinafter described.

In the accompanying drawings—

A A' are the blinds, and

C C, the casing of the window.

B is the moving part of the hinge, and

D is the fixed part.

That part of B, which moves around the pintle of the hinge, is provided with teeth, so as to form a pinion, b , fig. 2, and this pinion engages with a sliding rack, e , which has a prolongation or rod, E, running through the casing to the inside of the house, terminating in a hand-knob, g , fig. 2.

H is a cam-lever, having a fulcrum at h , and an operating-handle, f , at its upper end.

By pulling inward on the rod g E, the blind, A', is thrown open, and by a reversed movement of the rod the blind is closed.

By turning down the cam-lever H into the position shown, the rod E is pressed down in its seat, and the blind is clamped securely in an open or closed position, or in any intermediate position.

By these means I obtain an efficient, simple, and inexpensive method for operating the blinds of windows, and securing them at any desired point of their swing.

I am aware that, in shutter-operators of this class, the inner part of the rack-bar has been formed with a series of notches, adapted to catch on the edge of a plate, a pivoted button being used simply to prevent the rod rising from engagement with the plate; but this I do not claim, as it forms no part of my invention.

Having thus described my invention,

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

The lever, pivoted centrally at h , and provided with a cam-shaped end and a weighted handle, f , when used in connection with the pinion formed on the hinge and the plain bar E, to press the latter down in its seat, and, simply by friction therewith, preventing its movement, as herein set forth.

The above specification of my invention signed by me, this 1st day of October, 1868.

LE GRAND DODGE.

Witnesses:

WM. J. DODGE,
F. A. MORLEY.