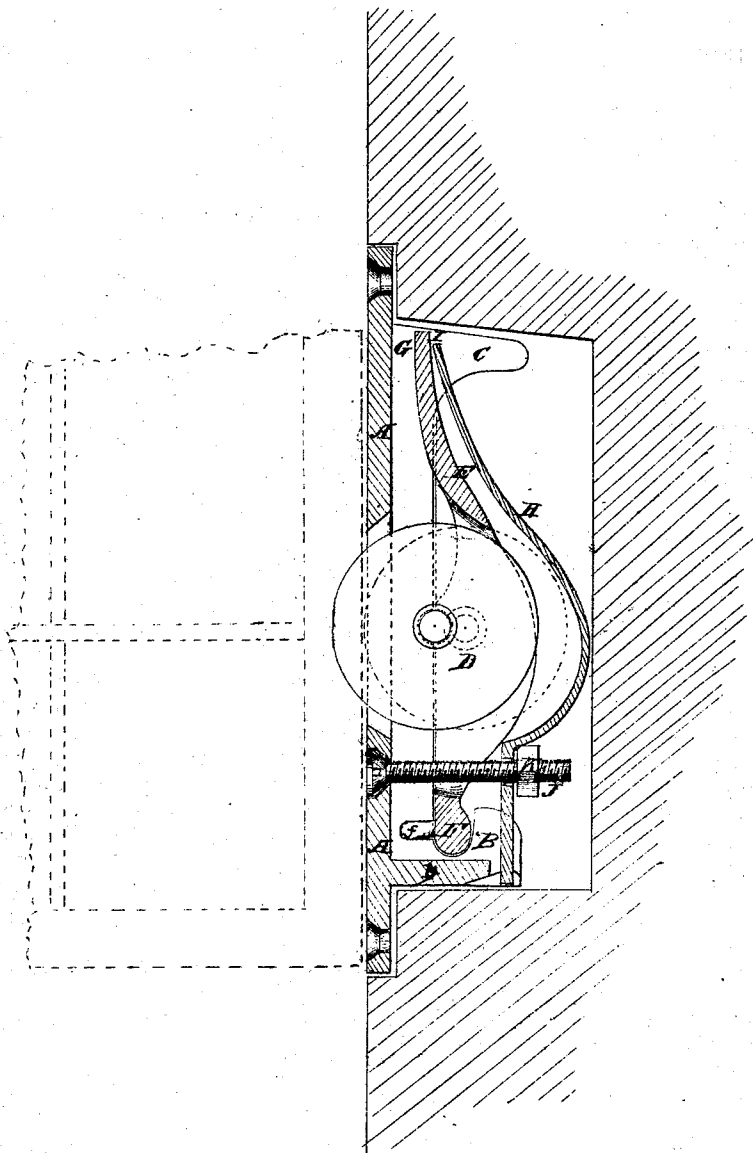


H. R. Halsey. Sash Regulator.

116706

PATENTED JUL 4 1871



WITNESSES.

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INVENTOR

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UNITED STATES PATENT OFFICE.

HERRICK R. HALSEY, OF LA FAYETTE, ILLINOIS.

IMPROVEMENT IN SASH-HOLDERS.

Specification forming part of Letters Patent No. 116,706, dated July 4, 1871.

To all whom it may concern:

Be it known that I, HERRICK R. HALSEY, of La Fayette, in the county of Stark and State of Illinois, have invented a new and useful Improvement in Sash-Regulator; 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 drawing forming part of this specification, in which the figure represents a vertical longitudinal section of my invention.

This invention relates to that class of sash-regulators which is provided with friction-wheels and traction-springs; and it consists in the construction and arrangement of the parts to secure economy of construction and easy adjustment.

That others may fully understand the construction and arrangement of my device, I will particularly describe it.

The face-plate A is cast with an opening through which the wheel D may project, and also with lugs B and C at the corners of the back of said plate. In the figure is shown only one-half the number of said lugs. The lugs B C on each side of plate A are connected by a web or flange, G, in which the half bearings for the journals of the wheel D are formed. The two lugs B are connected by web *b*, extending across the end of the plate A and nearly or quite to the tops of said lugs. The traction-spring H is secured to said web by a dovetail at one of its ends. The lugs B are made with a curved recess on their front edges to receive the end F of the binder E. The plate A is cast in one piece, and requires no fitting to adapt the other parts to their places. The binder E is likewise cast in a single piece and is provided with an opening in the middle to receive the wheel D, and it has recesses on its edge forming half seats for the journals of wheel D, so that the plate A and binder E hold and confine said

wheel in position between them. The end F of the binder is provided with two lugs, *f*, which project downward inside of the webs G, and prevent any lateral movement of said binder, at that end, in its seat. It will be perceived that the binder may move in the seat in lug B as upon a hinge, while it cannot become displaced by an upward or lateral movement. At the other or free end of the binder E it is formed with shoulders, so that it projects between the lugs C, and its shoulders inclose said lugs at their inner edges, and the binder cannot, therefore, move laterally or forward, but will only be free to move up or down at its forward or free end, as may be necessary to adjust the pressure of the wheel D upon the sash to be supported. The spring H is secured, by a dovetail at one end, to web *b*, and is curved so as to extend over the wheel D and rest upon the free end of the binder, between the lugs C. A temper-screw, J, passes through the plate A and through the spring H, to increase or diminish the tension of said spring upon the binder, to adjust the pressure of the wheel D as may be required. The screw J may be turned with a screw-driver applied to the nicked head of said screw in front of plate A, so that said adjustment may be varied at pleasure without removing the regulator from its place in the window-case.

Having described my invention, what I claim as new is—

The face-plate A, constructed with lugs C and recessed lugs B, into which is fitted the end F *f* of the binder E, combined with the spring H, parts A and E cast in two pieces and secured only by the temper-screw J, substantially as described.

HERRICK R. HALSEY.

Witnesses:

WM. T. SHORE,
H. R. WILSON.