

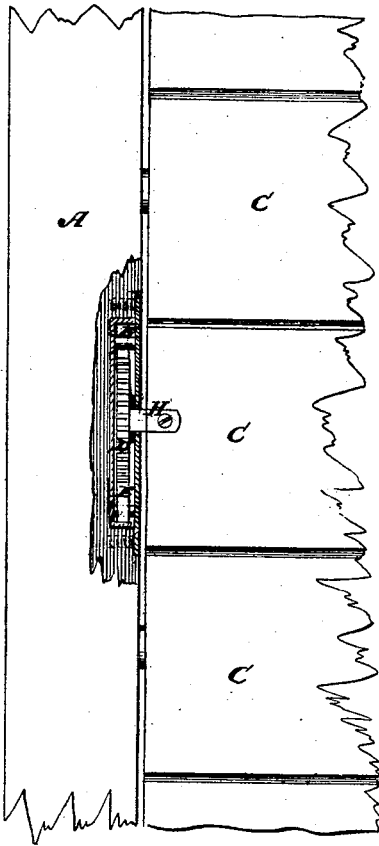
*O'Donoghue & Leavitt,*

*Blind Stop.*

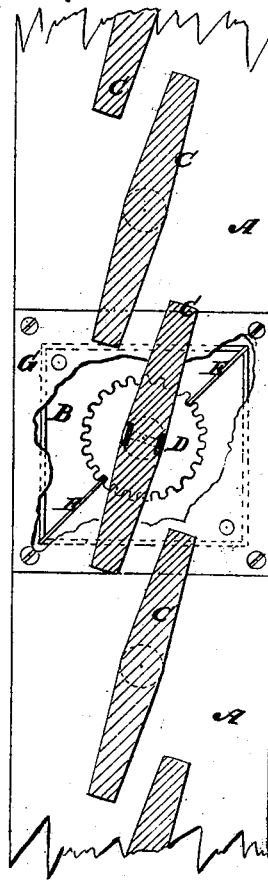
*No. 111,770.*

*Patented Feb 14, 1871.*

*Fig. 1*



*Fig. 2.*



**Witnesses:**

*Alex. F. Robert*  
*Geo. W. Mabee*

**Inventor:**

*J. T. O'Donoghue*  
*Alex. Leavitt*  
PER *Munn & Co*  
Attorneys.

# United States Patent Office.

JOHN T. O'DONOGHUE AND ALEXANDER LEAVITT, OF NEW YORK, N. Y

Letters Patent No. 111,770, dated February 14, 1871.

## IMPROVEMENT IN BLIND-SLAT REGULATORS.

The Schedule referred to in these Letters Patent and making part of the same.

### *To all whom it may concern:*

Be it known that we, JOHN T. O'DONOGHUE and ALEXANDER LEAVITT, of the city of New York, in the county and State of New York, have invented a new and improved Blind-Regulator; and we 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.

Our invention relates to window-blinds, and consists in a peculiar mode of combining a spring-held toothed wheel with the slat and stile.

Figure 1 is a partial front view of a blind having our improved regulating apparatus applied, the stile having a part broken out to show the wheel and springs; and

Figure 2 is a sectional elevation of the same.

Similar letters of reference indicate corresponding parts.

A is the stile of the blind, in which we make a large circular or other-shaped recess, B, in the side, in which the bearings for the pivots of the slats C are placed, and with its longitudinal axis coincident with that of one of the slats, in which recess we arrange a toothed or notched wheel, D, on the pivot of the slat projecting into it, the notches of which are so formed that it may turn either way while having one or more spring-holding pawls, E, engaging with it with suffi-

cient power to hold it and the slats, which are all connected together in the usual or any approved way, against turning, and we close this recess by a plate, G, through which the pivot passes.

We strengthen the ordinary wood pivot of the slat carrying the wheel by metal plates H, attached, as shown, or in any approved way; or we may make the pivot wholly of metal, and attach it in any approved way.

We propose to apply one or more of these wheels and holding pawls to each set of slats, but generally only one will be required to each.

By this simple apparatus the slats may be held in any required position, as will be clearly seen.

The wheel may be placed in front of the side of the stile, the pivot passing through it into the stile; but we prefer to inclose it in a recess, as shown.

Having thus described our invention,

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

The side-recessed stile B, combined with a slat, C, and spring-held toothed wheel D, both pivoted in the center of said recess, as and for the purpose specified.

JOHN T. O'DONOGHUE.  
ALEXANDER LEAVITT.

Witnesses:

GEO. W. MABEE,  
ALEX. F. ROBERTS.