B. C. English,

Blind Stop

No. 15,758. Patented Sep 23, 1856.

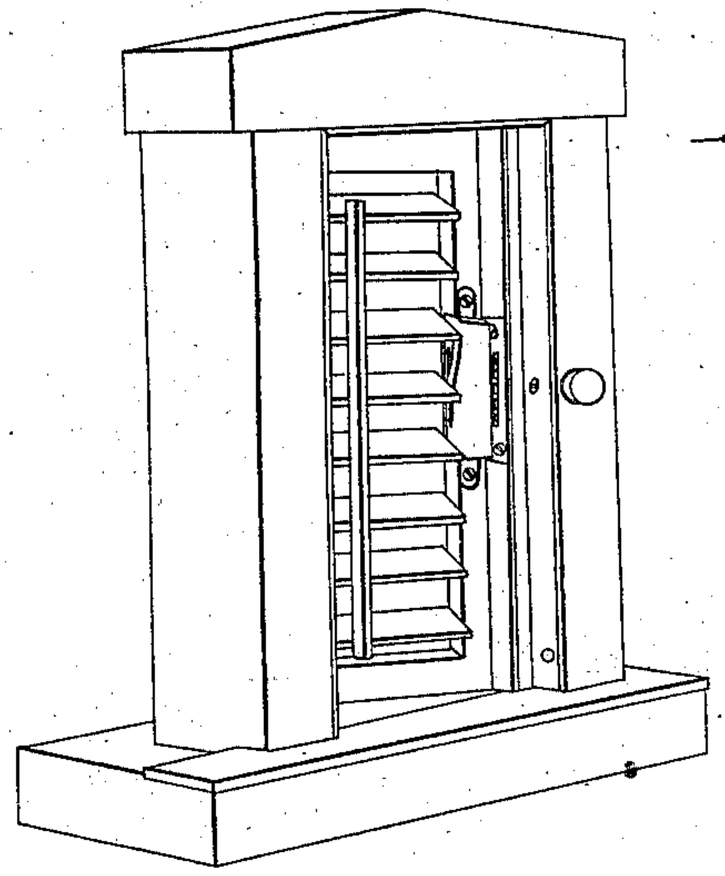


Fig. 1

Fig. 2.

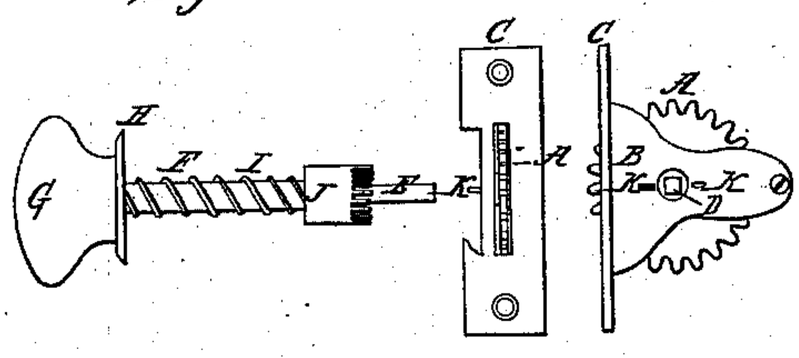
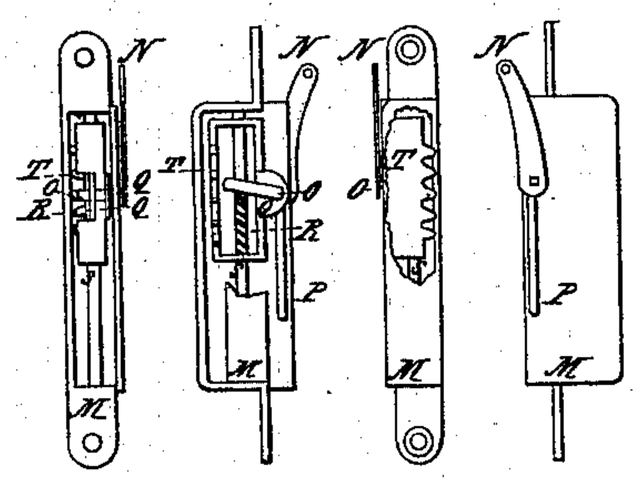


Fig. 3.



Witnesses:
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L. A. Lown

Inventor:
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UNITED STATES PATENT OFFICE.

B. C. ENGLISH, OF HARTFORD, CONNECTICUT.

MODE OF ADJUSTING THE SLATS OF WINDOW-BLINDS.

Specification of Letters Patent No. 15,758, dated September 23, 1856.

To all whom it may concern:

Be it known that I, BENAJAH C. ENGLISH, of Hartford, in the county of Hartford and State of Connecticut, have invented a new and useful Mechanical Arrangement for Adjusting the Slats of Window-Blinds; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view, showing the window frame, with the blind partly open. Fig. 2, is a working drawing of the parts that are attached to the window frame.

A, is the gear wheel which turns freely in the side piece, B.

C, is the face plate, through which the teeth of the gear, A, project, and is attached to the side piece, B, thereby forming a frame by which the gear A, is held securely to the window frame.

D, is a square hole through the axis of the gear wheel, A, and through which the square shank, E, upon the rod, F, passes.

G is a knob which is attached to the rod, F, for the purpose of operating the adjuster.

H, is an escutcheon which is fastened to the window casing, upon the inside, and allowing the rod F, to turn freely therein.

I, is a spiral spring which presses upon the escutcheon, H, and the clutch, J, for the purpose of throwing the clutch, J, upon the clutch pins, K, K, thereby fastening the gear, A, from moving, until the knob, G, is pulled out sufficiently to allow the clutch, J, to turn free from the clutch pins K, K, then by turning the knob, G, the gear, A, is moved and upon releasing the knob, G, the spring, I, causes the clutch, J, to fasten upon the clutch pins K, K.

Fig. 3, is a working drawing of that part which is attached to the blind. M, is a cap which is fastened to the frame of the blind. N, is an arm which is fastened to a slat of the blind, at the smallest end, the other end being attached to the rod, O, which passes through the slot, P, in the cap, M, and through the studs, Q, Q, and is bent at right angles for the purpose of attaching it to the spiral spring R, upon the rod, S, the object of the spring, R, being to throw the arm, N, over thereby causing it to close the slats of the blind. T, is a rack to which the arm N, is attached, and slides freely upon the rod, S.

The two parts of the apparatus as described in Figs. 2 and 3, after being attached in their respective places upon the window frame and blind are operated in the following manner. By shutting the blind the rack, T, is brought into connection with the gear wheel, A, and by pulling the knob, G, slightly toward the operator, it releases the clutch, J, from the clutch pins, K, K, the knob, G, can then be turned to the right or left as the case may be, thereby communicating motion to the gear wheel, A, which gives motion to the rack, T, thereby causing it to slide on the rod, S, by this means giving motion to the slats of the blind. Upon releasing the grasp upon the knob G, the spring, I, throws the clutch J, upon the clutch pins, K, K, thereby fastening it securely at any required position, and holding the slats firmly at any angle so that they cannot be moved while the blind is shut except from the inside of the window and by the use of the knob, G.

What I claim as my invention and desire to secure by Letters Patent is as follows:

1. I claim the manner of adjusting the slats of window blinds by the use of the gear wheel and rack.

2. I claim the method of fastening the slats at any required angle, by the use of the clutch.

3. I claim the whole in combination, as herein set forth.

BENAJAH C. ENGLISH.

Witnesses:

H. K. W. WELCH,

L. A. STORRS.