

No. 840,677.

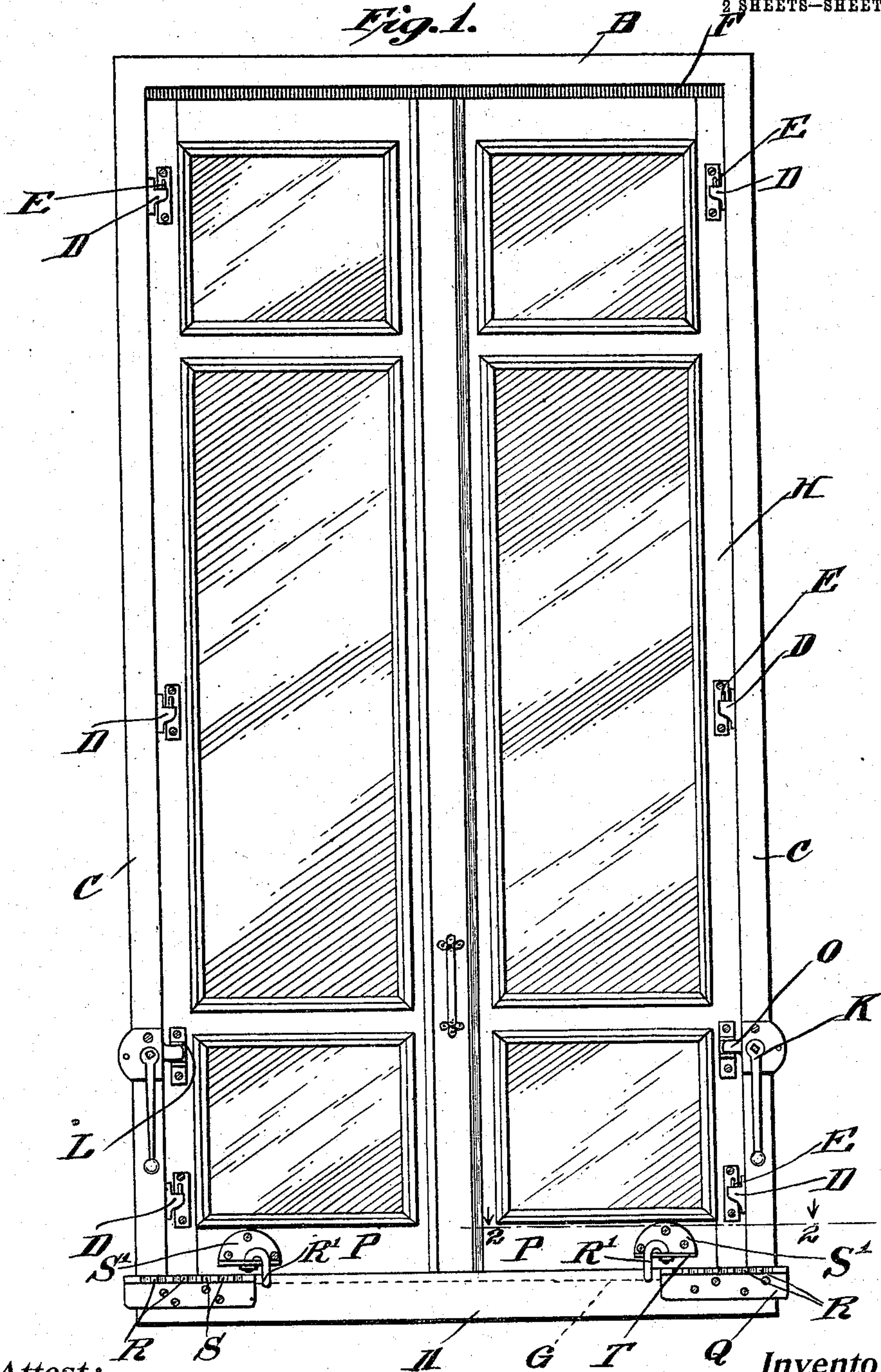
PATENTED JAN. 8, 1907.

I. WROBLEWSKI.  
SHUTTER BOWER.

APPLICATION FILED SEPT. 6, 1906.

*Fig. 1.*

2 SHEETS—SHEET 1.



Attest:

*C. Mitchell*  
A. L. O'Brien

Inventor:

Ignacy Wroblewski  
by Dickerson, Brown,  
Raegenor & Binney Attys.

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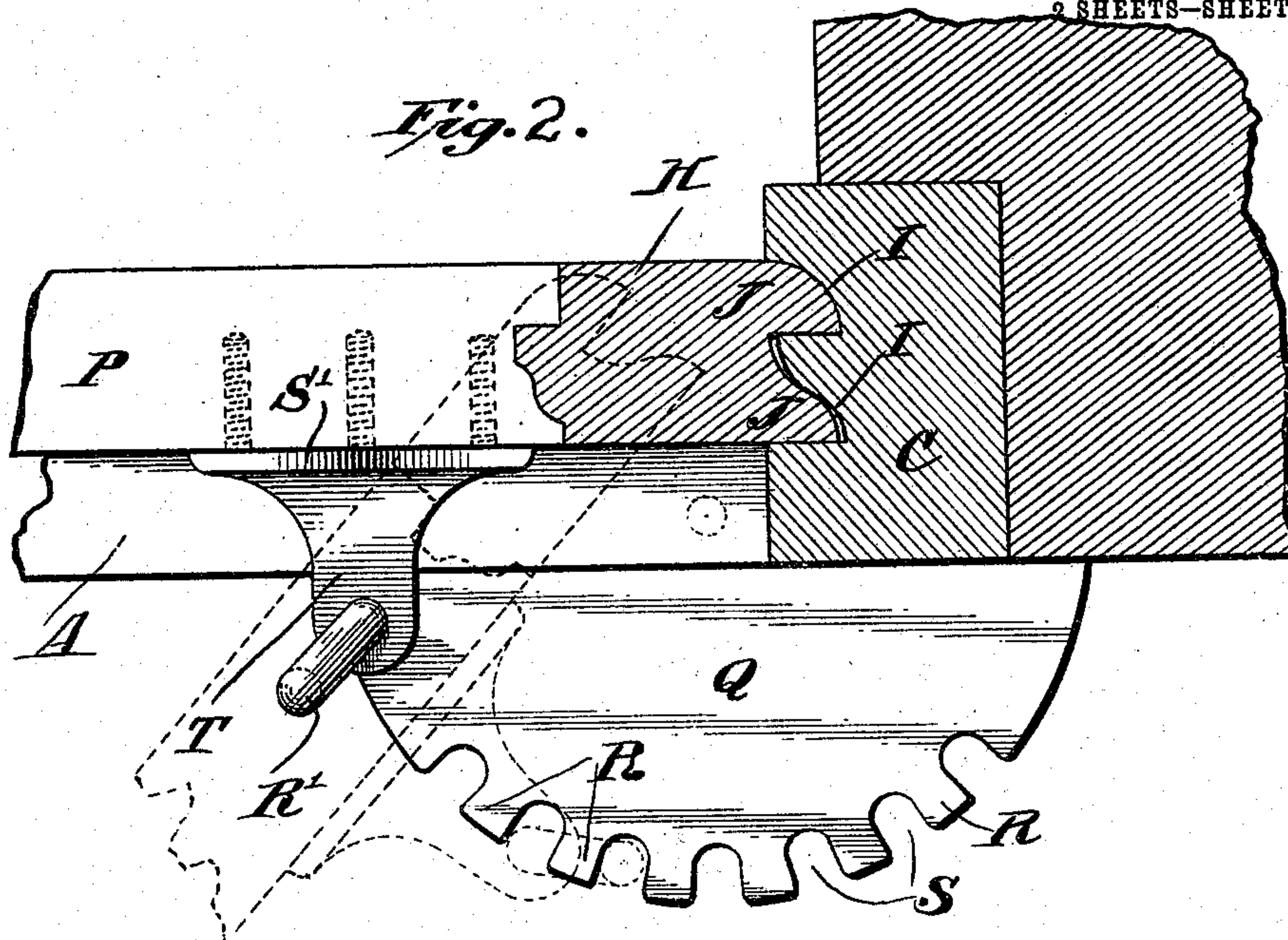
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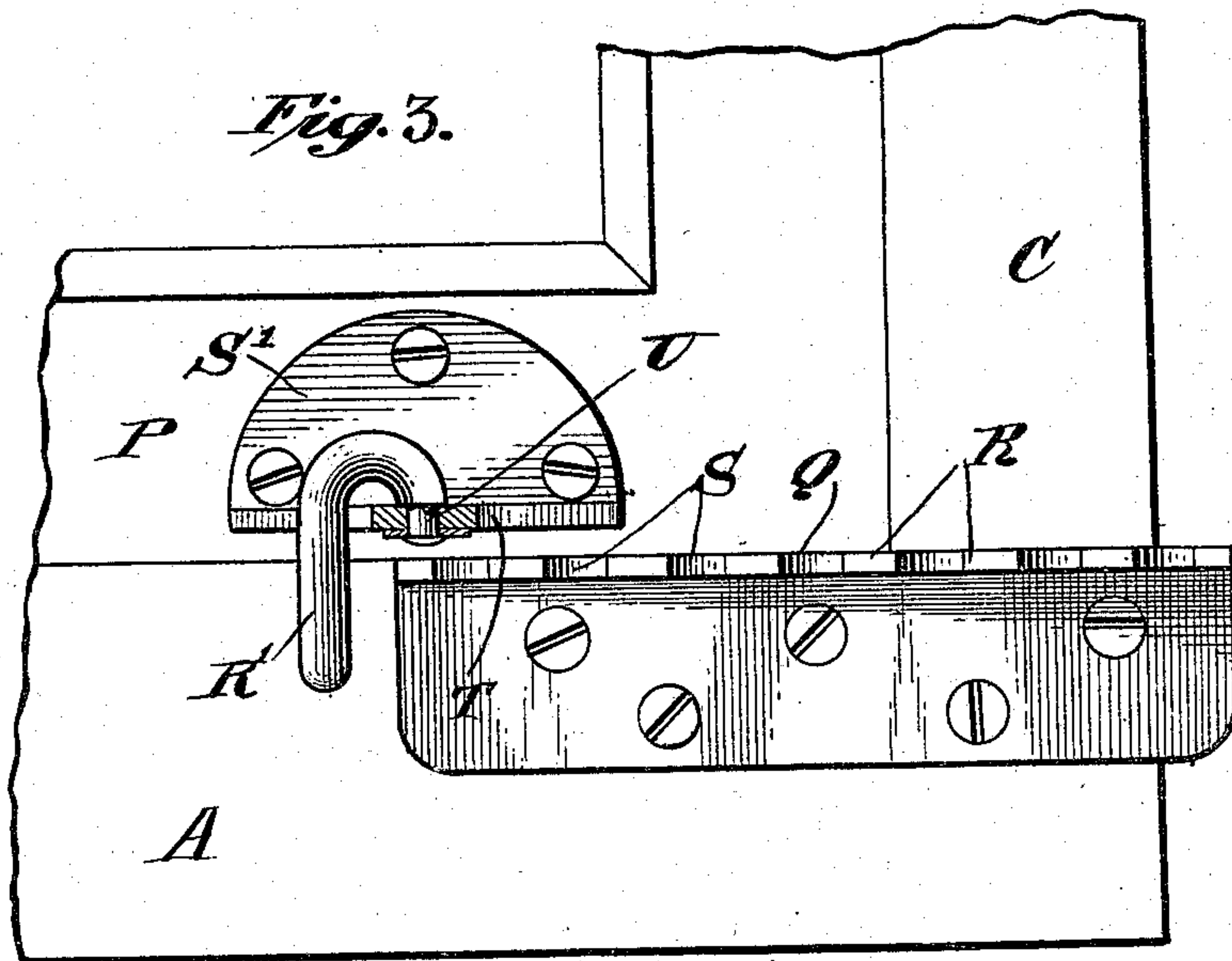
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2 SHEETS—SHEET 2.

*Fig. 2.*



*Fig. 3.*



Attest:  
*A. L. O'Brien*  
A. L. O'Brien

Inventor:  
*Ignacy Wroblewski*  
by *Dickinson, Brown,*  
*Raegenar & Binney* Attys.



# UNITED STATES PATENT OFFICE.

IGNACY WROBLEWSKI, OF KRAKOW, AUSTRIA-HUNGARY.

## SHUTTER-BOWER.

No. 840,677.

Specification of Letters Patent.

Patented Jan. 8, 1907.

Application filed September 6, 1906. Serial No. 333,506.

*To all whom it may concern:*

Be it known that I, IGNACY WROBLEWSKI, a subject of the Emperor of Austria-Hungary, and a resident of Krakow, Province of Galicia, Austria-Hungary, have invented certain new and useful Improvements in Shutter-Bowers, of which the following is a specification accompanied by drawings.

This invention relates to shutter-bowers; and the object of the invention is to improve upon the construction and operation of such shutter-bowers and enable a swinging window to be conveniently maintained in any desired open or partially open position.

Further objects of the invention will hereinafter appear; and to these ends the invention consists of means for carrying out the above objects embodying the features of construction, combinations of elements, and arrangement of parts having the general mode of operation substantially as hereinafter fully described and claimed in this specification and shown in the accompanying drawings, in which—

Figure 1 is a side elevation of the window. Fig. 2 is an enlarged detail sectional plan view of a portion of the window on the line 2 2 of Fig. 1 looking in the direction of the arrows, and Fig. 3 is a detail side elevation of Fig. 2.

Referring to the drawings, A represents the window-sill, B the top rail of the window-frame, and C the side rails of the window-frame. In the drawings a double French window is shown; but the invention is equally applicable to single windows and doors. The window-sashes are suitably pivoted to swing open and shut, in this instance the side rails C of the frame being provided with sockets D and the side rails of the sashes being provided with projecting pivots or hooks E, adapted to be seated in the sockets D and moved vertically therein. Sufficient clearance F is left between the top of the window-sashes and the top rail B of the window-frame to permit the sashes to be raised vertically and then swung open.

The window-sill A is suitably grooved at G (shown in dotted lines in Fig. 1) to permit the window-sashes to be seated in lowered position and locked closed, and interlocking connections are provided between the side rails H of the sashes and the side rails C of the frame. In this instance the rails C are grooved at I and the side rails H of the sashes are provided with projecting tongues

or ribs J, adapted to enter said grooves I and form a water-tight connection.

Suitable means are provided for raising and lowering the window-sashes, in this instance cam-levers K being provided upon the side rails C of the frame, and bearings L are provided upon the side rails H of the sashes adapted to cooperate with the tongues O of the cam-levers K.

In order to maintain the sashes open or partially open in any desired position, cooperating devices are provided on the window-sill and lower sash-rails P for this purpose, although the invention is not limited to the particular position of these cooperating devices. In this instance a toothed segment Q, having teeth R and notches S, is suitably secured at each end of the window-sill A, extending inwardly in a horizontal position, and a pivoted latch, finger, or catch R' is provided upon each lower sash-rail P. As shown, the bracket S' is secured to the sash-rail P, and the latch R' is preferably constructed in the form of an inverted U, one lug of which is pivoted to the bracket S', the other lug extending outwardly and downwardly over the end of the horizontal portion T of the bracket, so that the latch may be swung out of engagement with the teeth R of the segment Q to permit the window to be opened and closed. When the window is opened or partially opened, as shown in dotted lines in Fig. 2, the finger or latch R' may be swung into engagement with one of the notches S between the teeth R to maintain the window-sash in the desired position. According to this construction the pivot U of the latch R' is locked at or about the periphery of the segment Q to permit the latch to be swung in and out of the notches S between the teeth R, and the device forms a convenient and a readily-manipulated catch for holding the window in the desired position, which may be readily manipulated.

Obviously the window-holding device of this invention may be applied to ordinary swinging French windows, in which the sash is not adapted to be raised and lowered, but is simply swung inwardly or outwardly on its pivots.

When the device is applied to a window which raises and lowers as well as swings, the latch R' is made sufficiently long to permit the vertical movement of the window without moving the latch out of cooperative relation with the segment.



Obviously some features of this invention may be used without others, and the invention may be embodied in widely-varying forms.

5 Therefore, without limiting the invention to the devices shown and described and without enumerating equivalents, I claim, and desire to obtain by Letters Patent, the following:

10 1. In a casement-window, the combination with a window-frame and swinging window-sash, of a horizontally-extending toothed segment connected to the window-sill, a horizontally-extending bracket secured to  
15 the lower sash-rail, and a U-shaped latch having one leg pivoted to the sash-rail bracket, the other leg being adapted to cooperate with the toothed segment to hold the window open.

2. In a casement-window, the combination with a window-frame and swinging window-sash, of a horizontally-extending toothed segment connected to the window-sill, a horizontally-extending bracket secured to the lower sash-rail, and an inverted-U-shaped  
25 latch having legs of unequal length, the shorter leg being pivoted to the sash-rail bracket and the longer leg being adapted to cooperate with the toothed segment when the sash is slightly elevated, to hold the win-  
30 dow open.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

IGNACY WROBLEWSKI.

Witnesses:

HANSON C. COXE,  
JACK H. BAKER.