

No. 638,264.

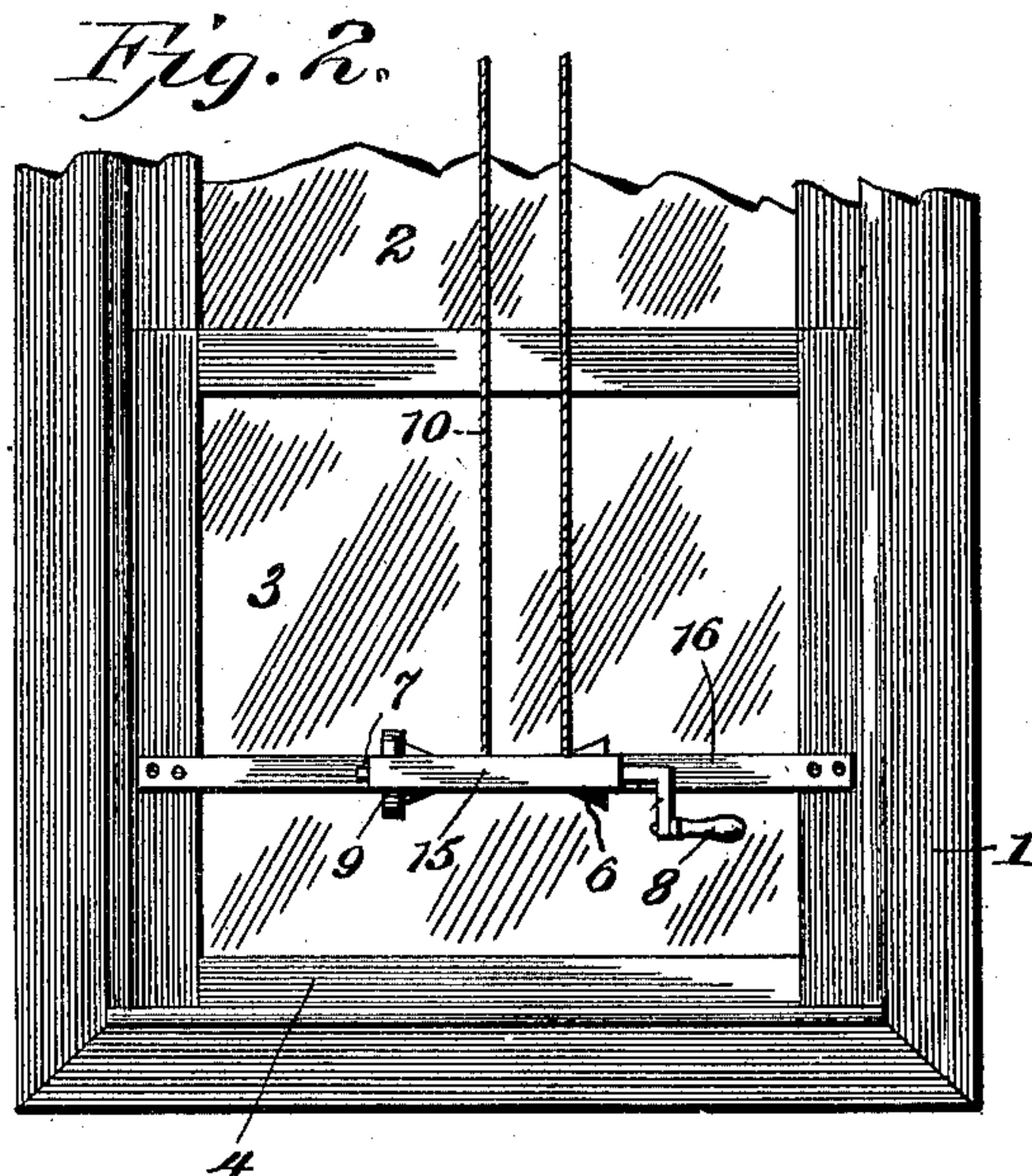
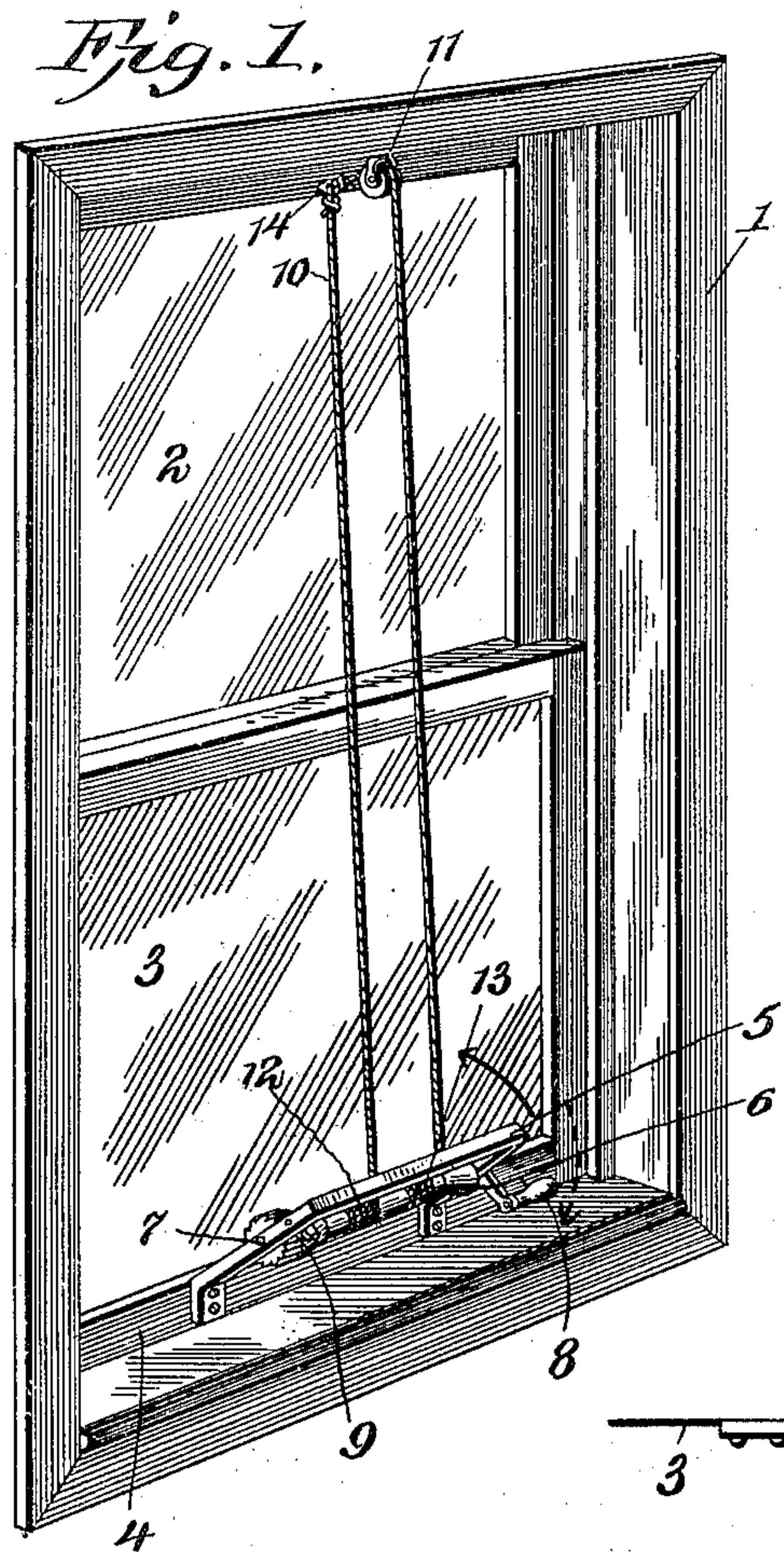
Patented Dec. 5, 1899.

D. P. McQUISTON.

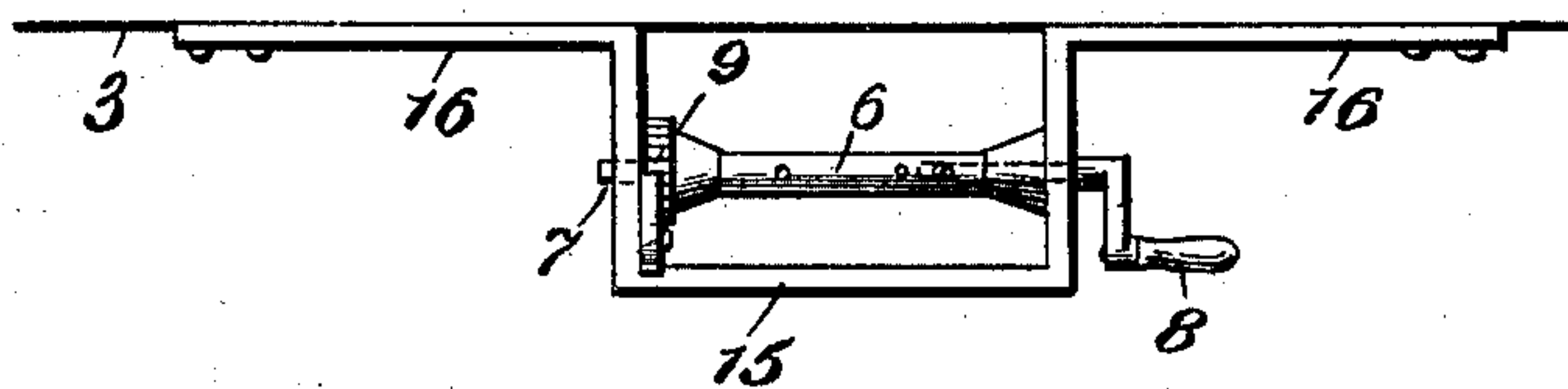
SASH FASTENER.

(Application filed Aug. 30, 1899.)

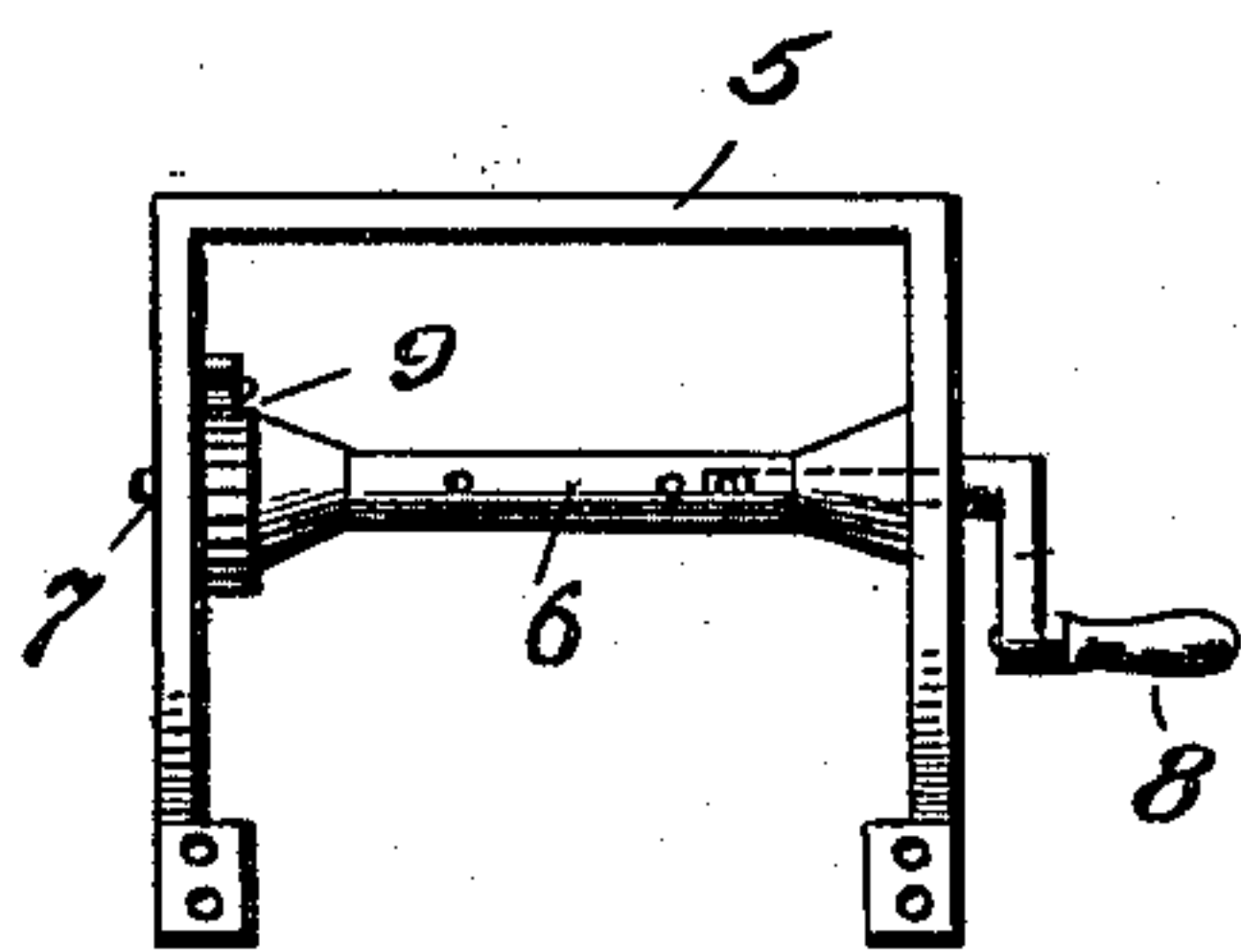
(No Model.)



*Fig. 3.*



*Fig. 4.*



Witnesses

Howard D. Orr.

*Paul J. Sullivan*

D. P. McQuiston, Inventor.

By his Attorneys,

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# UNITED STATES PATENT OFFICE.

DAVID P. McQUISTON, OF IDAVILLE, TENNESSEE, ASSIGNOR OF TWO-THIRDS TO JOHN C. McLISTER, JAMES A. McQUISTON, JOHN WILSON, AND ARCHEY MORRISON, OF SAME PLACE.

## SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 638,264, dated December 5, 1899.

Application filed August 30, 1899. Serial No. 728,980. (No model.)

*To all whom it may concern:*

Be it known that I, DAVID P. McQUISTON, a citizen of the United States, residing at Idaville, in the county of Tipton and State of Tennessee, have invented a new and useful Window-Sash Fastener, of which the following is a specification.

My invention relates to improvements in sash-fastenings for windows; and its object is to produce a simple and inexpensive device which may be easily applied to a window and by means of which the sash may be properly adjusted and retained in its adjusted positions.

Referring to the drawings, Figure 1 is a perspective view of a window with my device attached as in use. Fig. 2 is a fragmentary elevation of a portion of a window with my device attached and showing a modified form of frame-plate. Fig. 3 is a plan view of the drum and its plate shown in Fig. 2, and Fig. 4 is a detail view of the plate and drum shown in Fig. 1.

Referring to the numerals of reference on the drawings, 1 indicates a window-frame, and 2 and 3 the upper and lower sashes. To the lower sash is secured, preferably on its bottom rail 4, a substantially U-shaped frame-plate or handle 5, extending on an incline outwardly and upwardly and in which is mounted a drum 6, carried upon the detachable crank-shaft 7, provided with a crank 8, by means of which the drum may be rotated.

9 indicates a pawl-and-ratchet dogging device for the drum, the ratchet being mounted upon the shaft 7 at the end of the drum and the pawl to one of the end bars of the frame-plate 5.

10 indicates a cable passed over the pulley 11, depending from the top of the frame and having its ends wound oppositely, as indicated at 12 and 13, upon the drum.

14 indicates a hook, eye, or other device secured to the top rail of the upper window-sash and to which the cable is permanently connected at a point intermediate of its ends.

It will be observed that if the crank 8 is rotated in the direction indicated by the arrow in Fig. 1 the end 13 of the cable will be wound

upon the drum and the lower sash will be elevated and that if the crank is rotated in the direction indicated by the dotted arrow in Fig. 1 the end 12 of the cable will be wound upon the drum and the upper sash will be drawn down, the end 13 of the cable being paid out or unwound from the drum during this operation.

In Fig. 2 I have illustrated another form of frame-plate comprising the U-shaped portion 15, in which the drum is mounted, and the end portion 16, which extends to the side rails of the window and is there secured by any suitable means.

Thus it will be apparent that the transverse portion of each frame-plate provides a convenient handle for elevating the lower sash to simultaneously open both sashes.

By turning the crank 8 downward or in the direction indicated by the dotted arrow shown in Fig. 1 of the drawings it will be seen that the return portion 12 of the flexible connection may be wound upon the drum, so as to exert a strong pull upon the upper sash for the purpose of loosening the latter should it become stuck in the window-frame, and thereby facilitating the lowering of the upper sash.

It will be noted that the crank for operating the drum is located at one end thereof and exteriorly of the frame-plate, so as to leave the transverse portion thereof entirely free and unobstructed for the purpose of forming a convenient handle.

What I claim is—

1. The combination with a window-frame, having upper and lower sashes, of a drum mounted upon the lower sash, a flexible connection having its opposite ends wound in opposite directions upon the drum, a pulley or the like mounted upon the upper portion of the window-frame, and loosely receiving the flexible connection, the latter being fixedly connected intermediate of its ends to the upper portion of the upper sash, and means for operating the drum in opposite directions, substantially as and for the purpose set forth.

2. The combination with a window-frame, having upper and lower sashes, of a substantially U-shaped frame-plate having its oppo-

site ends connected to the lower sash, the transverse portion of the frame-plate forming a handle, a drum mounted within the frame, and having its axis arranged substantially  
5 parallel with the sash, a crank or equivalent operating means located at one end of the drum and exteriorly of the frame-plate, a flexible connection having one end connected to the upper sash and its opposite end wound  
10 upon the drum, and a pulley or the like

mounted upon the window-frame and loosely receiving the flexible connection, substantially as shown and described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in 15 the presence of two witnesses.

DAVID P. McQUISTON.

Witnesses:

R. B. DEWESE,  
W. E. MILLER.