No. 846,203. PATENTED MAR. 5, 1907.

J. S. HAWLEY.

WINDOW JACK.

APPLICATION FILED JUNE 27, 1906.

Fig. 1.

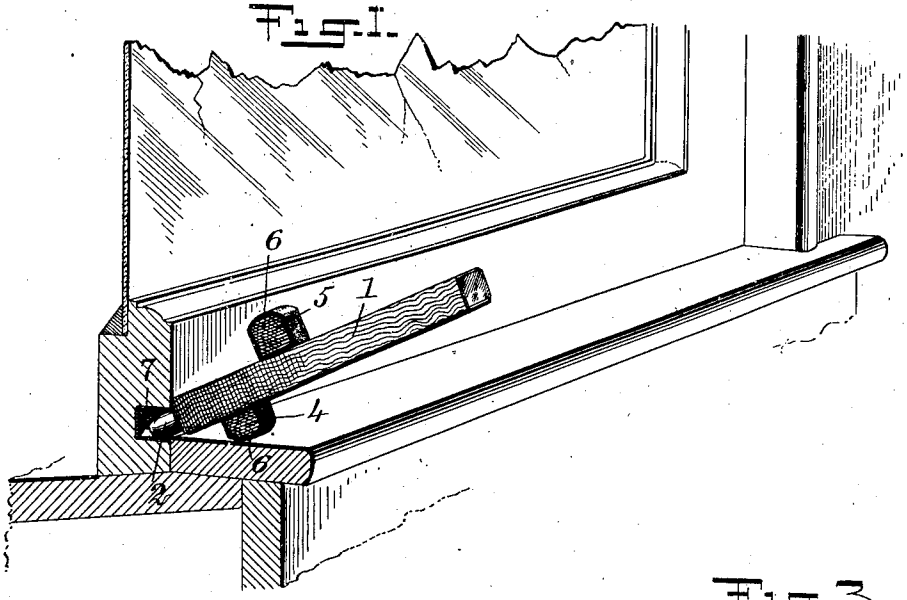


Fig. 3.

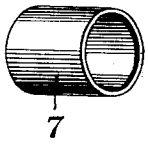
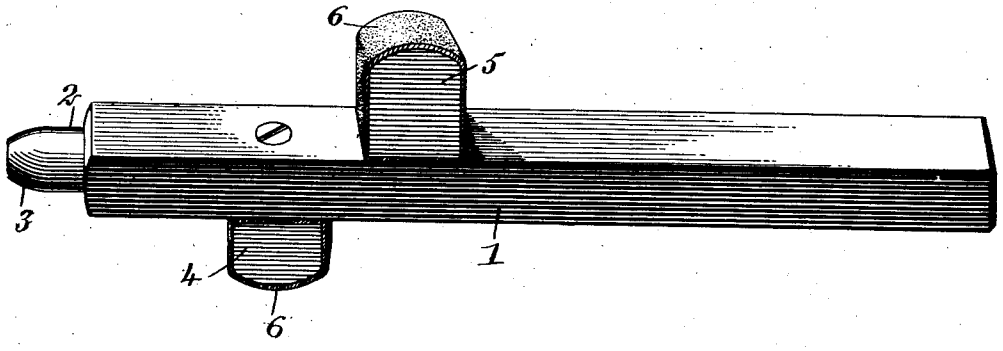


Fig. 2.



WITNESSES

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WINDOW-JACK.

No. 846,203. Specification of Letters Patent. Patented March 5, 1907.

Application filed June 27, 1906. Serial No. 323,735.

To all whom it may concern:

Be it known that I, JOHN S. HAWLEY, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, county and State of New York, have invented a new and Improved Window-Jack, of which the following is a full, clear, and exact description.

This invention is an improved window-jack, designed to form an effective means for prying up windows which become stuck by reason of the swelling of the sash or other causes.

It is well known in houses, cars, and the like, and especially in new structures, that considerable difficulty is often experienced in raising the windows, which is more pronounced in falling and damp weather. This difficulty is overcome by my invention, which consists of a lever with a reduced end adapted to work in a recess in the lower frame of the window-sash and carrying fulcrum-blocks of different heights at opposite sides thereof, adapted to be brought alternately in action.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view and vertical central section of a portion of a window with my improved jack applied thereto. Fig. 2 is a perspective view of the jack, and Fig. 3 is a perspective view of a tubular metal socket which is to be let into a recess in the window-frame in which the jack is to be inserted.

The jack comprises a lever 1, preferably rectangular in cross-section and having at its forward end a reduced cylindrical portion 2, rounded off at its outer end at 3, as best shown in Fig. 2. To the opposite faces of the lever 1 are attached by screws or other convenient means fulcrum-blocks 4 and 5, rounded off on their outer faces and provided with a velvet or other soft-fabric covering 6, which passes at the sides of the blocks, as also under their bottom faces, in order that when the blocks are clamped to the lever the velvet or other fabric will also be held in place. As shown, the fulcrum-block 4 is of less height than the block 5 and is postioned nearer the reduced end 2 in order that greater leverage may be obtained. A tubular socket 7, as shown in Fig. 3, is closed at one end and seated in a recess in the bottom frame of the sash substantially at its center, as illustrated in Fig. 1. This socket loosely fits the reduced end 2 in order that the latter may be easily and freely passed into it when in an angular position.

The operation of the device is as follows: The reduced end 2 is inserted into the tubular socket 7, with the fulcrum 4 resting on the window-sill, as shown in Fig. 1. By now forcing down the outer end of the lever the window is raised to a slightly-elevated position. The lever should then be turned over until the fulcrum 5 is in contact with the window-sill, when it is possible to force the window farther upward to a point where the bottom frame of the sash can be grasped by the hands and the window elevated in the usual manner.

It is evident from the construction of the rounded portion 3 of the reduced end 2 that the lever 1 is enabled to assume a greater angular position than would be possible if made uniformly cylindrical.

The precise embodiment of the invention is not material provided its essential characteristics are employed as pointed out in the annexed claims.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In a device of the character described, a lever having a substantially cylindrical end, fulcrum-blocks of different heights secured to the lever, and a soft velvet fabric secured to and covering the fulcrum-blocks.

2. In a device of the character described, a straight lever having a reduced end adapted to be projected into a recess in a window-sash, and fulcrumed blocks of different heights having rounded outer faces secured to said lever.

3. In a device of the character described, a lever having a reduced end adapted to be projected in a recess in a window-sash, fulcrumed blocks of different heights having rounded outer faces secured to said lever, and a soft material covering said rounded faces of the blocks.

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

JOHN S. HAWLEY.

Witnesses:
W. W. HOLT,
EVERARD B. MARSHALL.