J. SWEET.

SASH-LIFT.

No. 171,249. Patented Dec. 21, 1875.

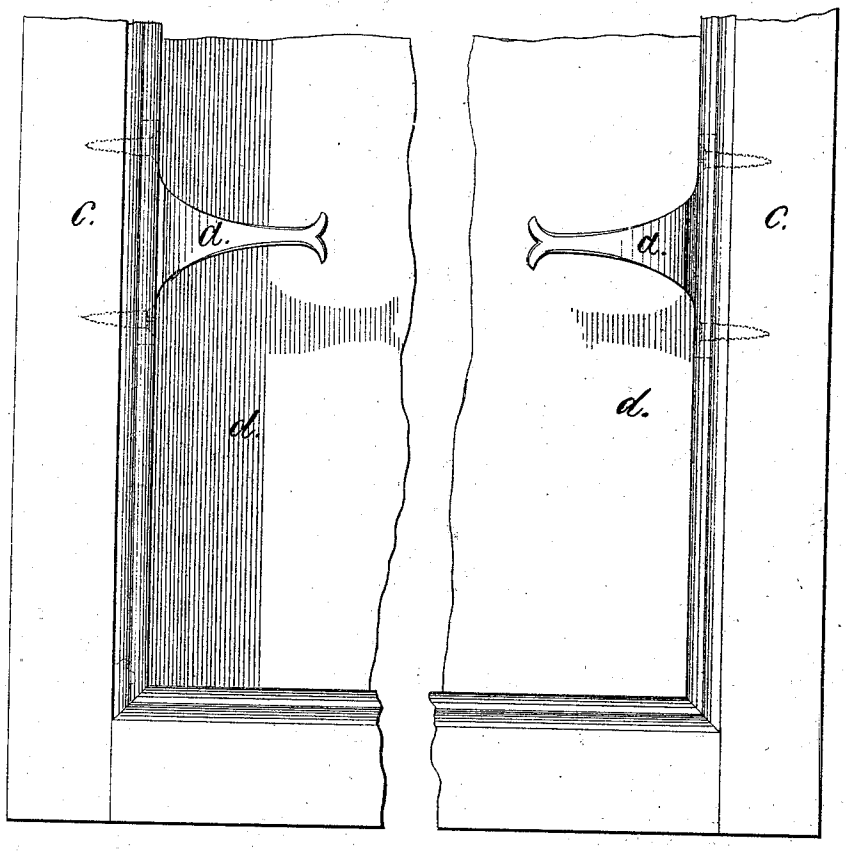

Fig. 1.

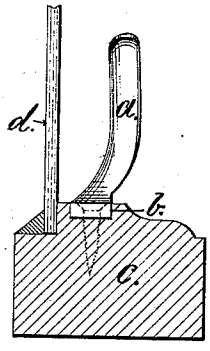

Fig. 2.

WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN SWEET, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN SASH-LIFTS.

Specification forming part of Letters Patent No. **171,249**, dated December 21, 1875; application filed September 13, 1875.

To all whom it may concern:

Be it known that I, JOHN SWEET, of the city and county of Providence, State of Rhode Island, have invented certain new and useful Improvements in Sash-Lifters; and I 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 drawings forming part of this specification.

Figure 1 is a view of a window-sash, showing my improved sash-lifter secured to the sides of the sash. Fig. 2 is a top view of the same, showing the sash in section.

a is the curved fishtail-shaped projecting arm. *b* is the base, having two screw-holes, by which the same is secured to the sash. *c* is the window-sash; *d*, the glass of the window.

Similar letters of reference indicate corresponding parts.

The invention has reference to and consists in a metal sash-lifter, formed of a base-plate and projecting arm, adapted to be secured to the side of a window-sash, and used for the purpose of raising or lowering the sash.

This sash-lifter is intended to be generally used in connection with a window-spring or sash-holder, the object being to so construct the same that the same lifter may be secured to either side of the sash.

In windows where the sash is supported by a spring or sash-holder, without balance-weights, the sash cannot be raised or lowered until the sash-holder is relieved. By placing my sash-lifter close to the lever of the sash-holder, the same may be released and the sash supported by one hand. Sash-holders or window-springs are secured at times to one and at other times to the opposite side of the sash. Both right and left hand sash-lifters are, therefore, required. Wide windows also require a sash-lifter on each side of the window, so as to support and balance the sash. Right and left hand sash-lifters must, therefore, be provided, and dealers in hardware must keep a stock of each kind, while it s difficult for builders or other purchasers to ascertain the number of each kind required, thus causing trouble and delay to both merchant and purchaser. To overcome this difficulty I construct my sash-lifter so that the same may be used on either side of the sash, making both sides alike or reversible, as is fully shown in the drawings.

My sash-lifter consists of a base having two holes for screws, by which the same is secured to the sash, and a curved fishtail-shaped projecting arm, under and behind which a finger is passed, so that the same hand by which the sash-holder is released also supports the sash, while the same may be placed and secured on either side of the window to the sash. Only one kind need, therefore, be kept in stock, the same being reversible, and all annoyance and loss of time is avoided.

This sash-lifter can also be used on windows having the sash balanced by weights, and materially assist in the raising or lowering of the same.

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

As a new article of manufacture, a reversible sash-lifter, consisting of the base *b* and projecting arm *a*, adapted for attachment to the side of a window-sash, substantially as herein described.

JOHN SWEET.

Witnesses:

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