

(No Model.)

J. LEHR.
GLASS WASHER.

No. 274,792.

Patented Mar. 27, 1883.

Fig. 1.

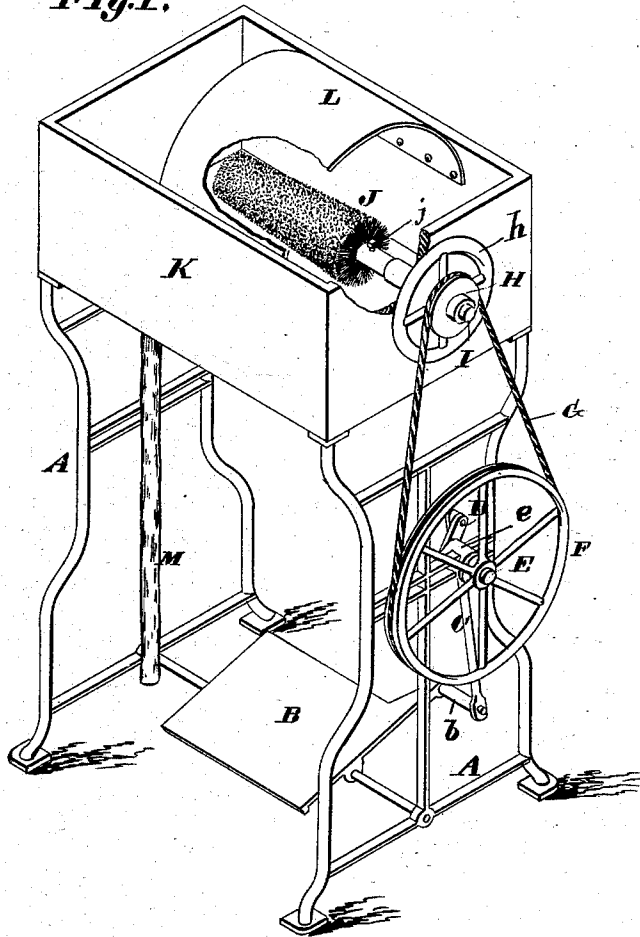
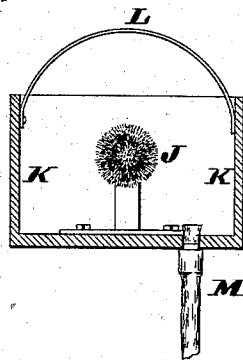


Fig. 2.



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JOHN LEHR, OF DARMSTADT, ILLINOIS.

GLASS-WASHER.

SPECIFICATION forming part of Letters Patent No. 274,792, dated March 27, 1883.

Application filed September 27, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOHN LEHR, of Darmstadt, in the county of St. Clair and State of Illinois, have invented a certain new and useful Improvement in Glass-Washers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to that class of glass-washers in which a brush is revolved within a box beneath a shield by means of a treadle.

My improvement consists in certain details of construction which render such devices more useful, as hereinafter described, and pointed out in the claims.

In the drawings, Figure 1 is a perspective view of the apparatus with part of the water-vessel and shield broken away to show the interior. Fig. 2 is a transverse section of the water-vessel, showing an end view of the brush and flexible shield, and means for securing the shield so as to leave one side of the latter free.

A is the stand, which may be of any suitable construction.

B is a treadle connected by means of its arm *b* and a rod, C, to a crank, D, upon a shaft, E, turning in boxing *e* and carrying a belt-pulley, F. The belt G passes beneath the pulley F and over a pulley, H, having hand-rim *h*, keyed upon the brush-shaft I. The brush is shown at J. It is secured by a set-screw, *j*, to the shaft I, and is of such shape as to fit the interior of a glass or other object to be cleaned.

The shaft I passes through one end of the water box or vessel K and has journal-bearing therein.

L is a spring-shield that is securely fastened to the box or vessel at one side, and carried as a bridge over the brush to arrest any water that may be thrown upward by centrifugal force (from the brush) and sprung against the other side of the box, so as to be easily raised and replaced at one side, leaving spaces between the ends of the box and the bridge. The shield is so arranged that all the water arrested by it will run down and be returned to the box. The end of the brush is fully clothed with bristles, so that every part of the interior of the glass is operated upon. In use the box is filled with water up to the bottom of the brush, which by mere contact with the water takes it up in sufficient quantity.

M is the drain pipe or hose by which the water escapes from the vessel K.

I claim as my invention—

1. In a glass-washer, the spring-shield L, in combination with water-box K and brush J, the shield being secured to one side of the box, and unattached or sprung against the other side of the box to permit of its being raised when desired, as set forth.

2. A glass-washer consisting of a stand, A, water-box K, shaft I, mounted in one end of the box, and carrying hand-rim pulley H and brush J, spring-shield L over said brush, leaving space at each end of the box, crank-shaft D E, carrying pulley F, belt G, treadle B, having arm *b*, and a rod, C, connecting treadle with crank-shaft, as set forth.

JOHN LEHR.

Witnesses: *

SAML. KNIGHT,
ALBERT G. FISH.