

A. W. STEWART.
CARPET-SWEEPER.

No. 186,895.

Patented Jan. 30, 1877.

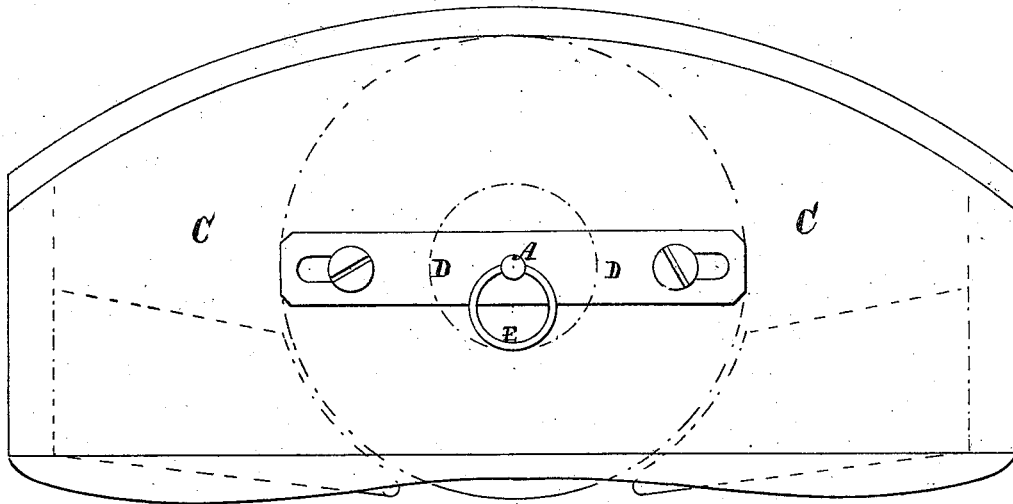
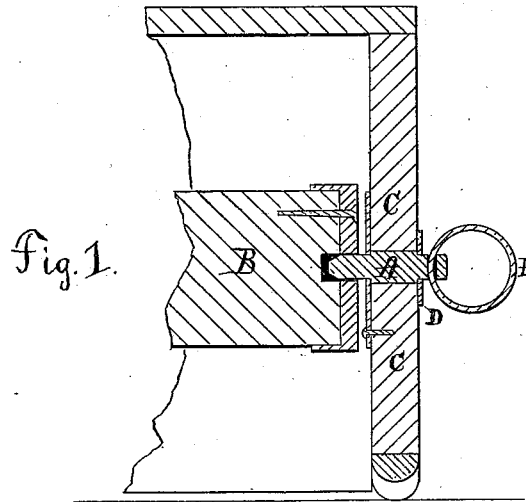


Fig. 2.

Witnesses.
C. G. Keyes,
J. A. Leonard

Inventor.
Alex. W. Stewart,
by his attorney,
A. H. Stewart

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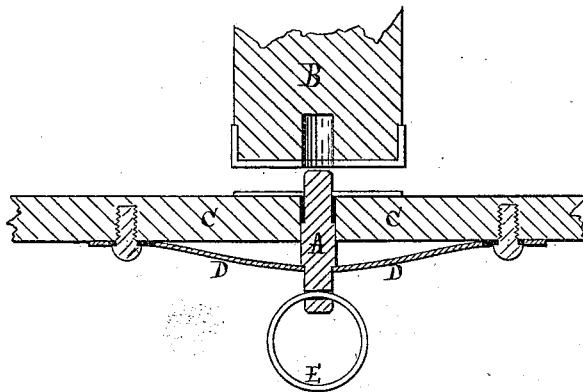


Fig. 3.

Witnesses.

Chas. F. Sleeper.
Wm. Gittel.

Inventor.

Alex. W. Stewart,
by his atty, A. S. Spencer.

UNITED STATES PATENT OFFICE.

ALEXANDER W. STEWART, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN CARPET-SWEEPERS.

Specification forming part of Letters Patent No. 186,895, dated January 30, 1877; application filed December 18, 1876.

To all whom it may concern:

Be it known that I, ALEXANDER W. STEWART, of Boston, Massachusetts, have invented an Improvement in Carpet-Sweepers, of which the following is a specification:

This invention relates to that class of carpet-sweepers in which the brush may be readily removed from the frame for the purpose of clearing the bearings.

My present invention consists in the combination, with the sweeper-frame and its brush, of a longitudinally-movable spindle for one end of the brush to revolve upon; which spindle does not revolve with the brush, but is separate and distinct from it, and is attached to and works through the end board of the sweeper, and is provided with a spring to press it toward the brush and a handle or ring to withdraw it.

In the drawing, Figure 1 is a vertical section through the brush-spindle and adjacent parts; Fig. 2, an end view; and Fig. 3, a horizontal section, showing the spindle retracted to release the brush.

A represents the spindle; B, the brush-shaft; and C, the case or the end board of the frame. The brush is driven by any desired means, and is provided with suitable bearings formed in or attached to the case C. The brush-spindle may be, at one end, of ordinary construction, and attached to the brush-shaft, but at the other end, shown in the drawings, it is attached to the end board of the frame, through which it passes, and projects in-

wardly a sufficient distance to enter an axial perforation in the brush-shaft or its cap, so that the brush may rotate thereon. A suitable spring, D, serves to keep the spindle in this position; but when it is desired to remove the brush from the frame, or to replace it, the spindle is retracted against the resistance of the spring by a suitable handle or ring, E, by which it may be drawn out of the perforation in the brush-shaft, when the brush, unsupported at one end, may be readily removed.

The operation is obvious without further detail. The sweeper is furnished with a dustpan at each side of the brush, and with driving mechanism, cover, and handle, in the usual manner.

I disclaim in this invention all devices in which the spindle revolves with the brush, and is removable from the frame with it, such devices in various forms being common and well known; but

I claim as of my invention—

In combination with the frame of a carpet-sweeper and its brush, the spindle A, attached to the frame, and working longitudinally therein, to support or release the brush, and operated by the spring D and the handle E, substantially as set forth.

ALEXANDER W. STEWART.

Witnesses:

A. H. SPENCER,
E. A. PHELPS.