

L. HULL.
Carpet-Sweeper.

No. 209,687.

Patented Nov. 5, 1878.

Fig:1.

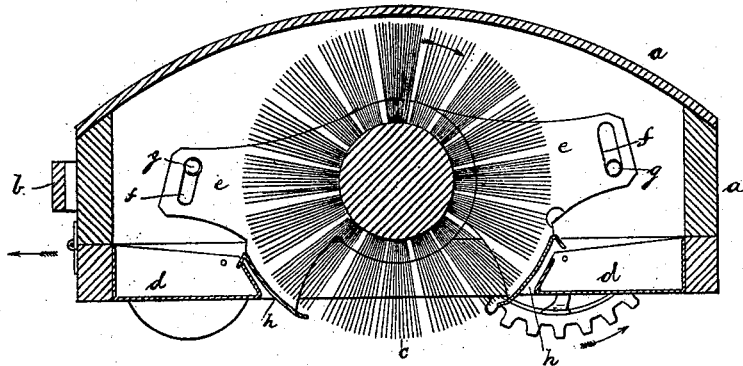
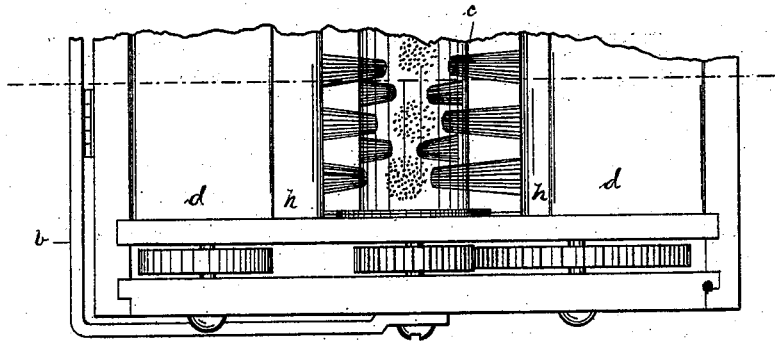


Fig:2.



Witnesses.
N. E. Whitney
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Inventor.
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UNITED STATES PATENT OFFICE.

LIVERUS HULL, OF CHARLESTOWN, MASSACHUSETTS.

IMPROVEMENT IN CARPET-SWEEPERS.

Specification forming part of Letters Patent No. **209,687**, dated November 5, 1878; application filed September 19, 1878.

To all whom it may concern:

Be it known that I, LIVERUS HULL, of Charlestown, county of Middlesex, State of Massachusetts, have invented an Improvement in Carpet-Sweepers, of which the following description, in connection with the drawings, is a specification.

This invention relates to carpet-sweepers; and consists in the combination, with the usual rotary-brush cylinder and dust-pan, of a gravitating lifter placed between the brush-cylinder and pan, the said lifter always remaining in contact with the carpet in advance of the pan, and presenting its edge in such relation to the brush that the dust or dirt acted upon by the brush is carried directly up the lifter, from which it falls into the pan.

Figure 1 represents, in cross-section, a sufficient portion of a carpet-sweeper to illustrate this my invention, and Fig. 2 an under-side view thereof.

The case *a*, bail *b*, brush *c* and pinions and wheels to rotate it, and pans *d* are all of usual construction and operation.

Upon the shaft of brush *c* I have pivoted or loosely hung arms *e*, provided with slots *f* to fit pins *g*, so as to permit the arms to rise and fall for a certain distance. These arms at opposite ends of the sweeper-case or brush are

connected by means of lifters *h*, having their lower ends beveled or turned a little in the direction shown in the drawing, so that the lower edge of the said lifter, at each side the brush, always bears, by its own weight, against the floor or carpet just next the brush and between it and the pan *d*, so that all the dirt taken up or moved by the brush is swept directly upon the lifters, from which it is discharged by the rotation of the brush into the pan.

A sweeper provided with the interposed gravitating lifters will operate to sweep much cleaner than will a sweeper with only the pans and brush, the front end of the pans or the edge next the brush being simply beveled.

I claim—

The combination, with the rotating brush and its case and dust-pans, of the loose arms *e*, slotted at *f* to engage with pin *g*, and provided with curved lifters *h*, substantially as and for the purpose described.

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

LIVERUS HULL.

Witnesses:

G. W. GREGORY,
N. E. WHITNEY.