

H. A. GORE & G. W. EDGCOMB.

CARPET-SWEEPER.

No. 187,618.

Patented Feb. 20, 1877.

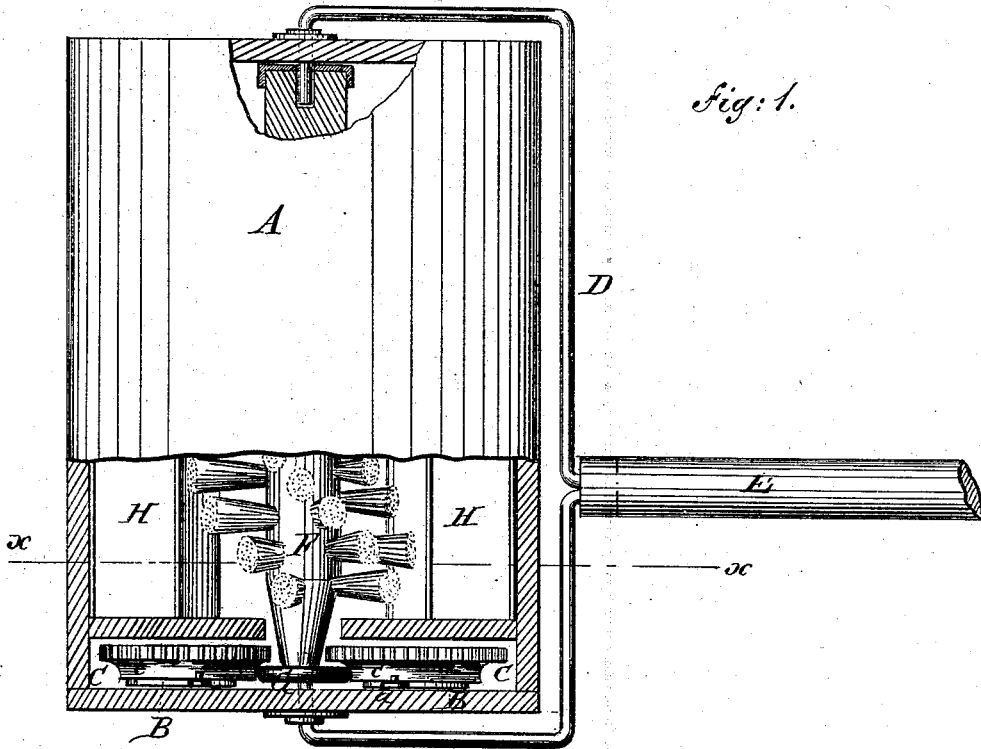


Fig: 1.

Fig: 2.

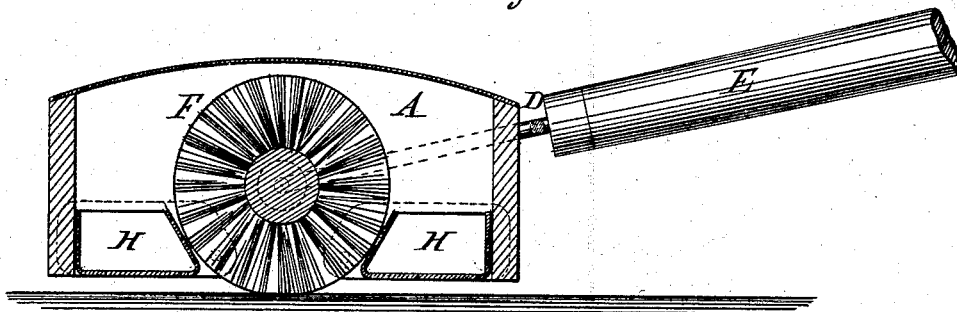
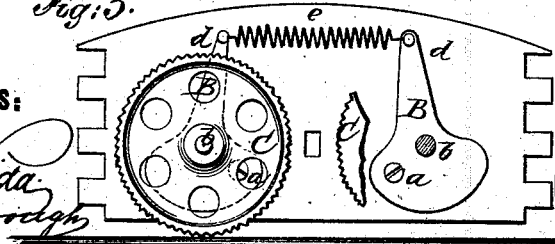


Fig: 3.

WITNESSES:

Chas. Nida
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INVENTOR'S

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UNITED STATES PATENT OFFICE

HENRY A. GORE, OF GOSHEN, AND GEORGE W. EDGCOMB, OF LIMA, IND.

IMPROVEMENT IN CARPET-SWEEPERS.

Specification forming part of Letters Patent No. 187,618, dated February 20, 1877; application filed December 30, 1876.

To all whom it may concern:

Be it known that we, HENRY A. GORE, of Goshen, in the county of Elkhart and State of Indiana, and GEORGE W. EDGCOMB, of Lima, in the county of La Grange and State of Indiana, have invented a new and Improved Carpet-Sweeper, of which the following is a specification:

Figure 1 is a plan view, with parts broken away to show the internal construction. Fig. 2 is a transverse section on line *x x* in Fig. 1. Fig. 3 is a detail view of the levers for supporting the driving-wheels.

Similar letters of reference indicate corresponding parts.

Our invention consists in a combination of levers with the driving-wheels of the sweeper by means of which the said wheels are thrown into contact with an intermediate friction-roller attached to the rotating brush when a downward pressure is exerted on the said driving-wheels.

Referring to the drawing, A is the casing of the sweeper, to the inner side of one end of which the levers BB are pivoted at *a a*. Stud *b b* project from the levers B, to receive the driving-wheels C C, and are located, in relation to the pivots *a*, so that a downward pressure on the casing A swings the levers B, and causes the wheels C to approach each other. Arms *d* are formed on the levers B, which extend upward to receive the ends of the spring *e*, which tends to draw the arms together. D is a bail, to which the handle E is attached at one side of the center. The ends of the bail

are turned inward, and extend through the ends of the casing A, forming pivots, upon which the rotating brush F turns. The end of the brush-shaft is reduced in size, and is provided with an elastic rubber friction-wheel, G, which is engaged by the smooth surface *c* of the driving-wheels C, the said wheels being forced into contact with the friction-wheel G by the action of the levers B. The peripheries of the wheels B are serrated, to increase the friction between the carpet and the wheels. The ordinary dust-boxes H are placed at each side of the brush in the casing A, and are provided with discharge-openings at their ends for removing the dust from the sweeper.

The advantages claimed for our improved sweeper are that it is noiseless in its operation and the automatic adjustment of the driving-wheels insures a positive motion of the brush.

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

1. The combination, in a carpet-sweeper, of the levers B, drive-wheels C, and friction-wheel G, substantially as herein shown and described.

2. The combination of the spring *e* and levers B, substantially as shown and described.

HENRY A. GORE.
GEORGE W. EDGCOMB.

Witnesses:

P. N. REITZELL,
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