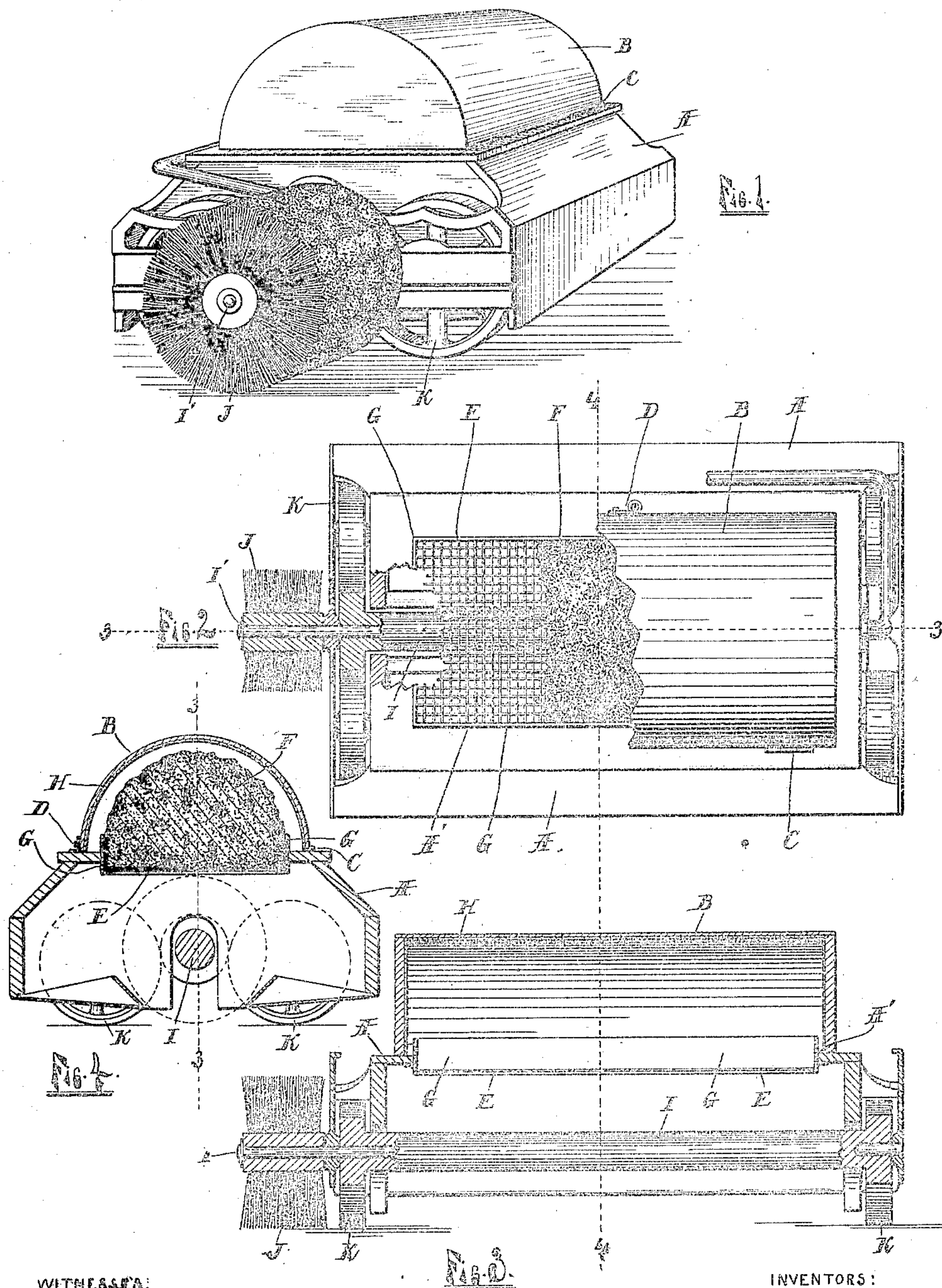


(No Model.)

J. PARBEL & J. A. STAVEN.
CARPET SWEEPER.

No. 604,783.

Patented May 31, 1898.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOSEPH PARBEL AND JOSEPH A. STAVEN, OF GRAND RAPIDS, MICHIGAN.

CARPET-SWEEPER.

SPECIFICATION forming part of Letters Patent No. 604,783, dated May 31, 1898.

Application filed August 20, 1897. Serial No. 648,918. (No model.)

To all whom it may concern:

Be it known that we, JOSEPH PARBEL and JOSEPH A. STAVEN, citizens of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Carpet-Sweepers; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention relates to improvements in carpet-sweepers; and its object is to provide the same with certain new and useful features, hereinafter more fully described, and particularly pointed out in the claims, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective of a device embodying our invention; Fig. 2, a plan view of the same with parts broken away to show the construction; Fig. 3, a longitudinal vertical section of the same on the line 3 3 of Figs. 2 and 4, and Fig. 4 a transverse vertical section on the line 4 4 of Figs. 2 and 3.

Like letters refer to like parts in all of the figures.

A represents a sweeper-case having a broad top, in which is a large opening A'. B is a semicylindrical case above said opening and hinged to the case A at one side, as at C, and detachably secured to the same at the other side, as at D, and provided with a sheet-metal lining II. Surrounding the opening A' is a strip of metal G, to the lower edge of which strip is attached a netting or screen E, upon which screen is supported, within the case B, a dampened sponge F. In the case A is a rotary-brush shaft I, driven by the driving and supporting wheels K and provided with a round brush (not shown) of the usual form for sweeping the carpet. The journals I' of the brush-shaft I is extended outward at one end and provided with a short brush J to sweep in the angle between the base-board or furniture and the carpet.

In operation the coarser particles raised by the brush in the case A are stopped by the screen E and fall into the dust-pans. The

air-currents induced by said brush pass through said screen and through the sponge resting thereon, and the said sponge catches the finer particles of dust that otherwise would float for some time and to a considerable extent escape from the case into the room. Said sponge may also be so saturated with water that the water will drip slowly upon the rotating brush below and thus dampen the same, which is often desirable in sweeping some kinds of carpets. The strip G and lining II keep the sponge from contact with the wood-work. The brush J being outside the case can be got into the angle of the base, or furniture and the carpet, and thus sweep the same.

Having thus fully described our invention, what we claim, and wish to secure by Letters Patent, is—

1. In a carpet-sweeper, a case having a large opening in the top, a rotary brush and driving mechanism, a screen in said opening, a sponge above said screen, and an upper case inclosing said sponge, substantially as described.

2. In a carpet-sweeper, a case having a large opening in the top, an upper case covering said opening and hinged to said first-named case, a strip surrounding said opening, a screen in said opening, and a sponge supported on said screen, and a rotary brush below said opening, and means for rotating said brush, substantially as described.

3. In a carpet-sweeper, a case having a large opening in the top, a metal strip surrounding said opening, a screen attached to said strip, a case above said screen, a metal lining in said case, a sponge supported on said screen and within said case, a rotary brush below said screen and sponge, and means for rotating said brush, substantially as and for the purpose specified.

In testimony whereof we affix our signatures in presence of two witnesses.

JOSEPH PARBEL.
JOSEPH A. STAVEN.

Witnesses:

LEWIS E. FLANDERS,
JOHN N. PARKS.