

(No Model.)

E. A. BURR.  
CARPET CLEANER.

No. 359,709.

Patented Mar. 22, 1887.

Fig. 1.

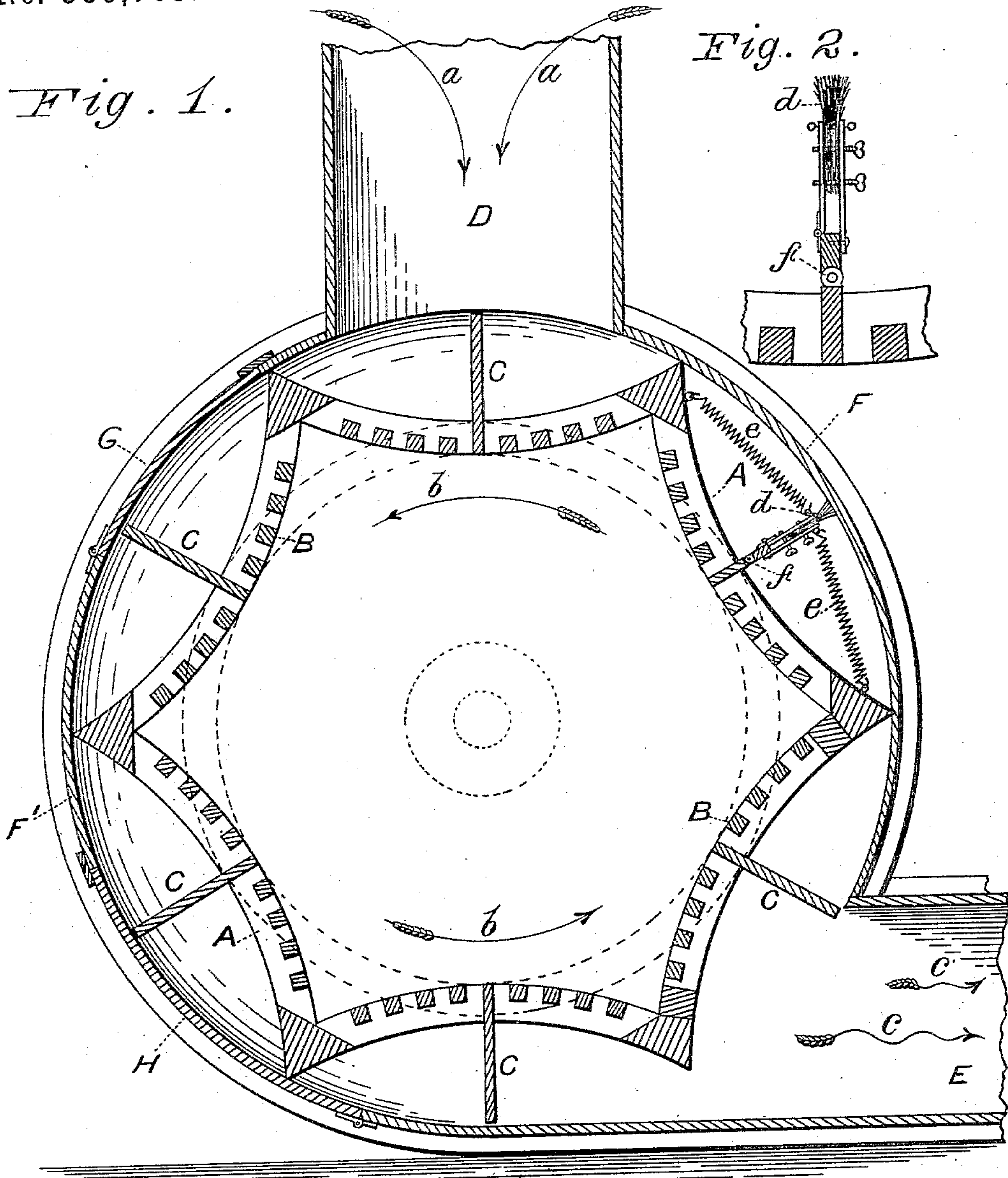


Fig. 2.

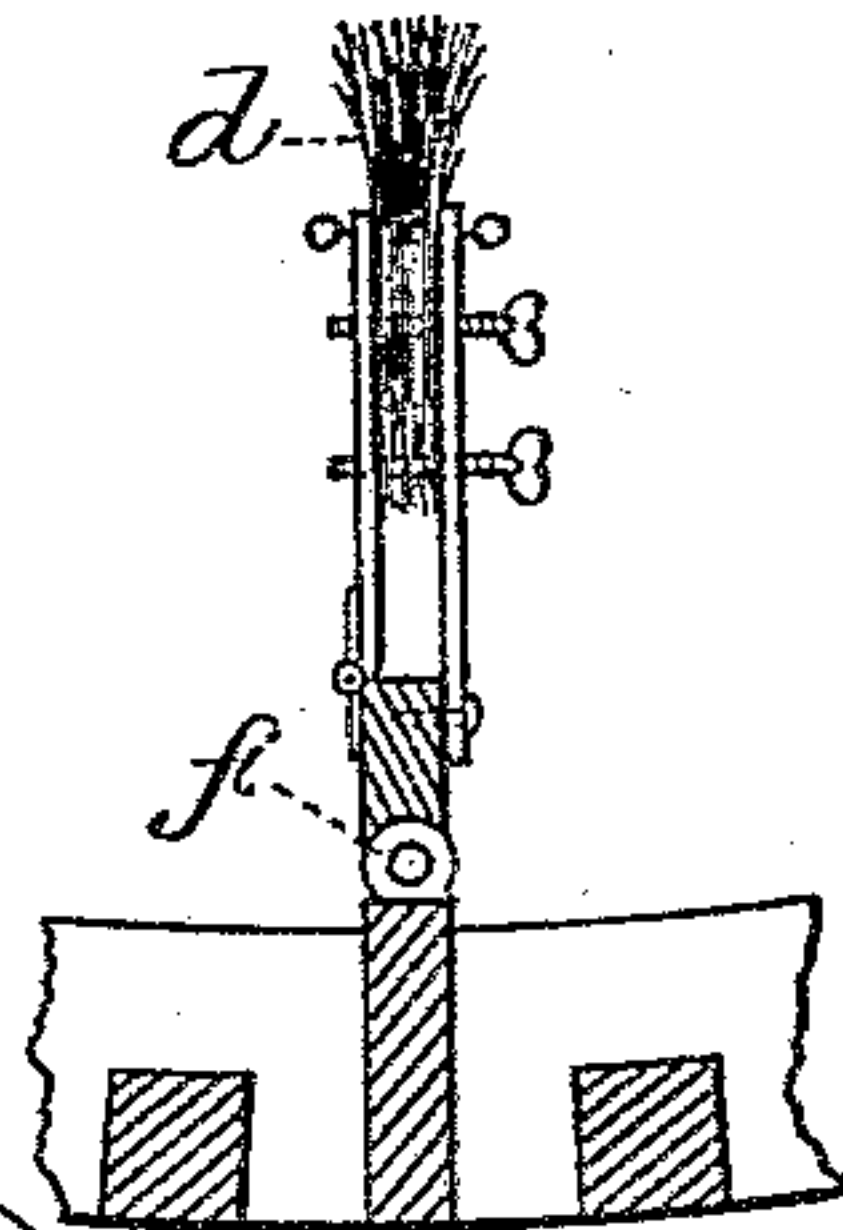
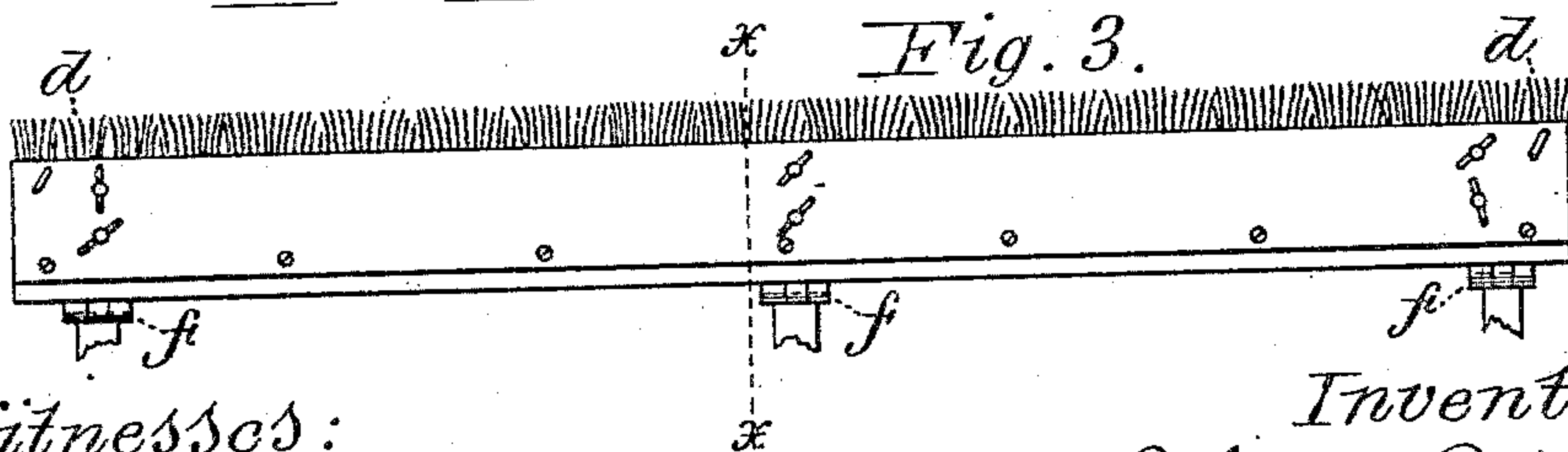


Fig. 3.



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# UNITED STATES PATENT OFFICE.

EDWIN A. BURR, OF AUBURN, NEW YORK.

## CARPET-CLEANER.

SPECIFICATION forming part of Letters Patent No. 359,709, dated March 22, 1887.

Application filed October 4, 1886. Serial No. 215,223. (No model.)

*To all whom it may concern:*

Be it known that I, EDWIN A. BURR, of the city of Auburn, State of New York, have invented certain new and useful Improvements in Carpet-Cleaners, of which the following is a full and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side elevation of my improved machine; and Figs. 2 and 3 are end and side views, respectively, of the brush.

The object of my invention is to keep a carpet-cleaning machine cleared of dust and dirt by causing a draft of air to pass through it, and to cause this draft of air by means of the revolution of the drum or cage itself. I accomplish this result by means of the mechanism hereinafter described.

A cage or drum, A B A B, of any of the various forms, prismatic or cylindrical, which are used in such machines, and provided with a slatted periphery, is suspended to revolve upon its horizontal axis, Fig. 1, the dotted circles indicating the periphery of a cylindrical cage or drum. I inclose such a cage or drum within a casing, F G F' H which is of sufficient size to permit of the drum's revolution within the casing with the wing-boards attached, which boards are hereinafter described. This casing F G F' H is provided with the entrance and exit shafts D and E, and has doors F' H opening into it, through which access is had to the drum within. To the periphery of the drum and radially thereto I attach the wing-boards C C rigidly, and in number from three or four to eight, as it is desired to create a draft of air more or less strong by the revolution of the drum. If the drum

has inwardly-extending sides or is prismatic in form, these wing-boards are preferably secured, as shown, to some intermediate point in such sides and extend from one end to the other of the drum. The drum then being revolved in the direction indicated by the arrows *b b*, a strong draft will be caused thereby into the shaft D and out at E, as indicated by the arrows *a a* and *c c*. In place of one of the boards C C, I hinge a brush, *d*, to the periphery of the drum and support it by the springs *e e*, so that while it brushes the interior of the casing it may yield, if necessary, upon its hinges *f f*, Figs. 2 and 3. By this means any lodgment of dust or dirt is prevented in the operation of the machine.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a carpet-cleaner, the revolving drum provided with wing-boards C C, secured radially to its periphery.

2. In combination with the revolving drum of a carpet-cleaner, provided with radial wings C C, the casing F G F' H, provided with entrance and exit shafts D and E, substantially as described.

3. In combination with the revolving drum of a carpet-cleaner, the casing F G F' H and brush *d*, secured to the drum and revolving therewith.

4. In combination with the revolving drum of a carpet-cleaner and its casing F G F' H, a brush, *d*, hinged thereto, supported by the springs *e e*.

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Witnesses:

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