

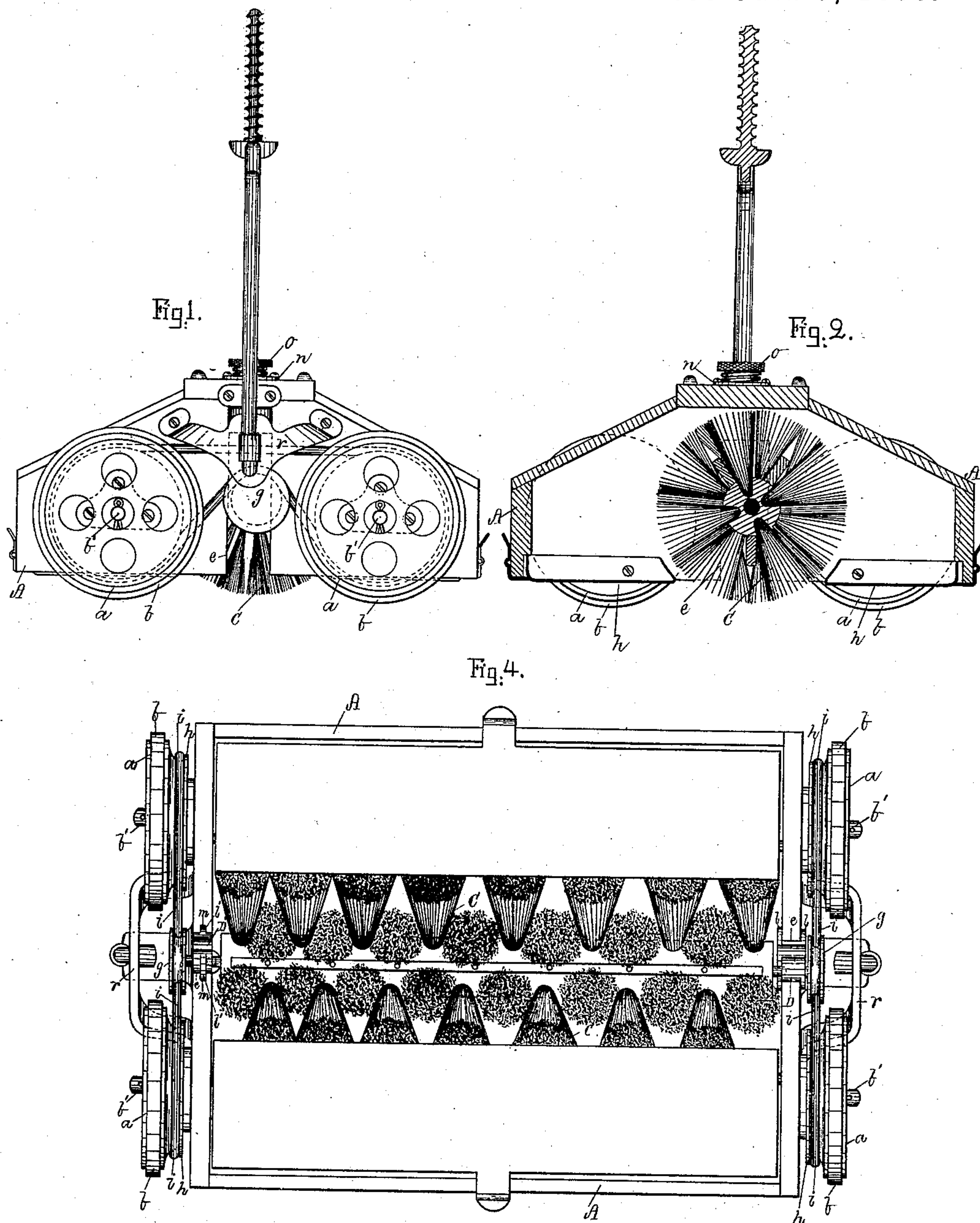
(No Model.)

2 Sheets—Sheet 1.

R. H. EDDY.
CARPET SWEEPER.

No. 375,991.

Patented Jan. 3, 1888.



Witnesses.

S. N. Piper

A. G. Eddy

Inventor.

Robert Henry Eddy.

by *R. H. Eddy* atty.

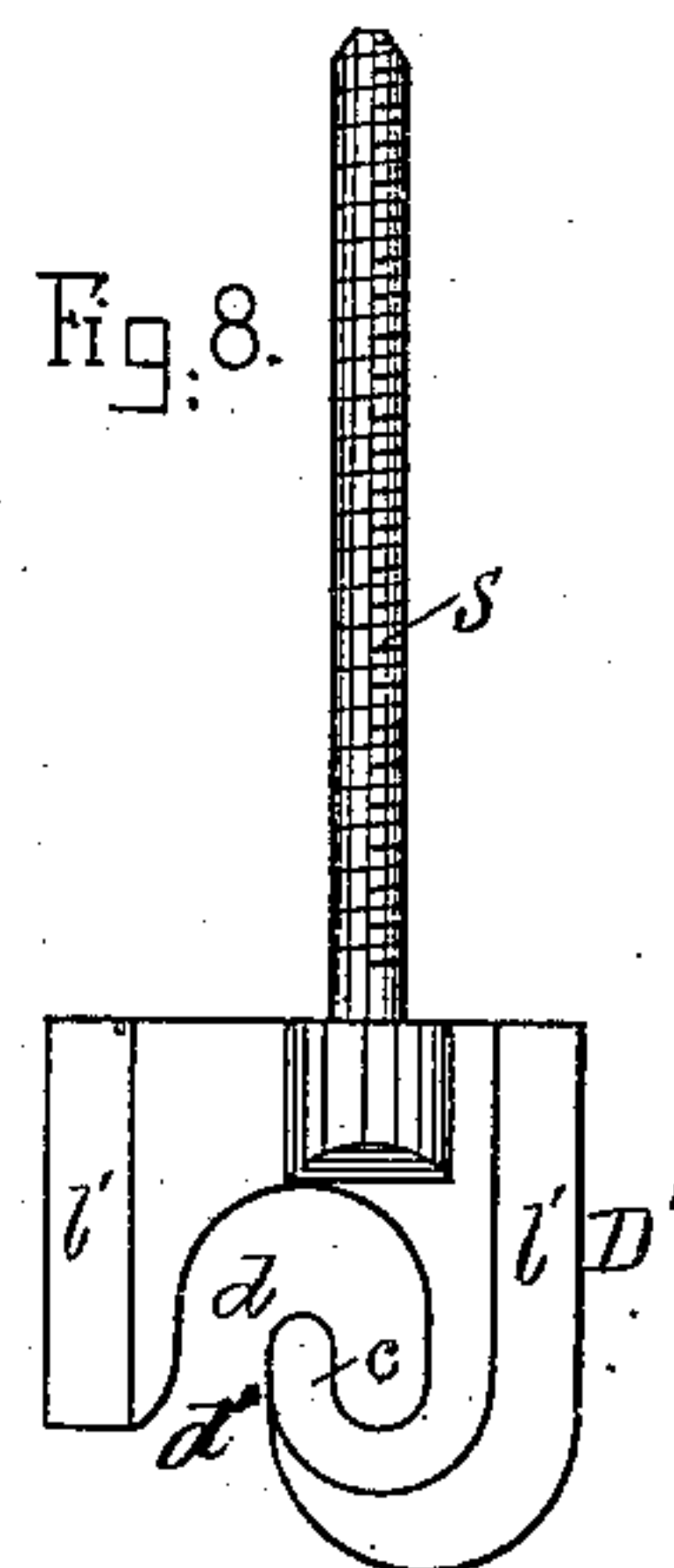
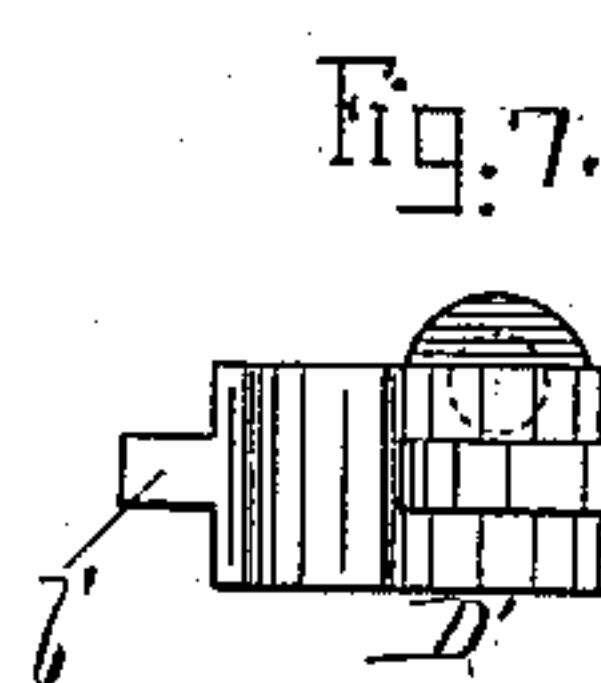
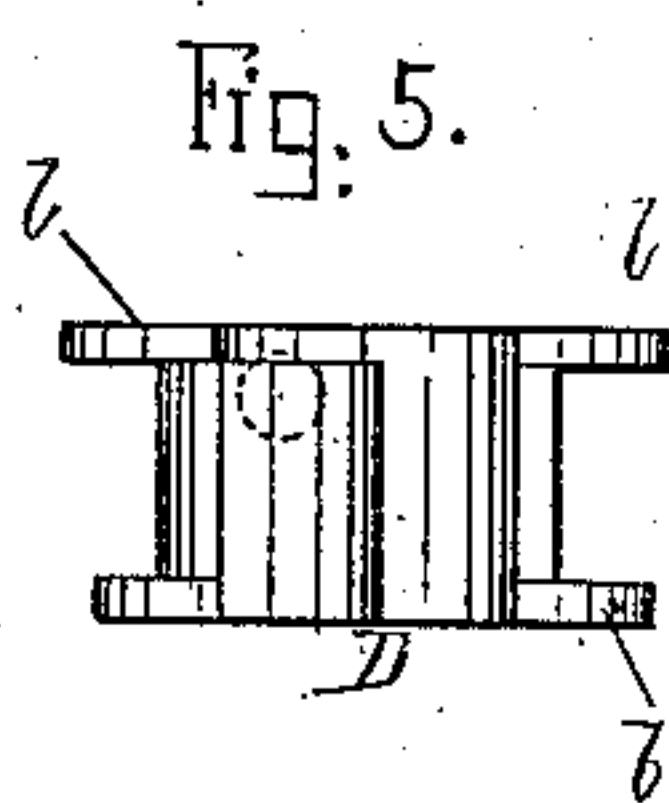
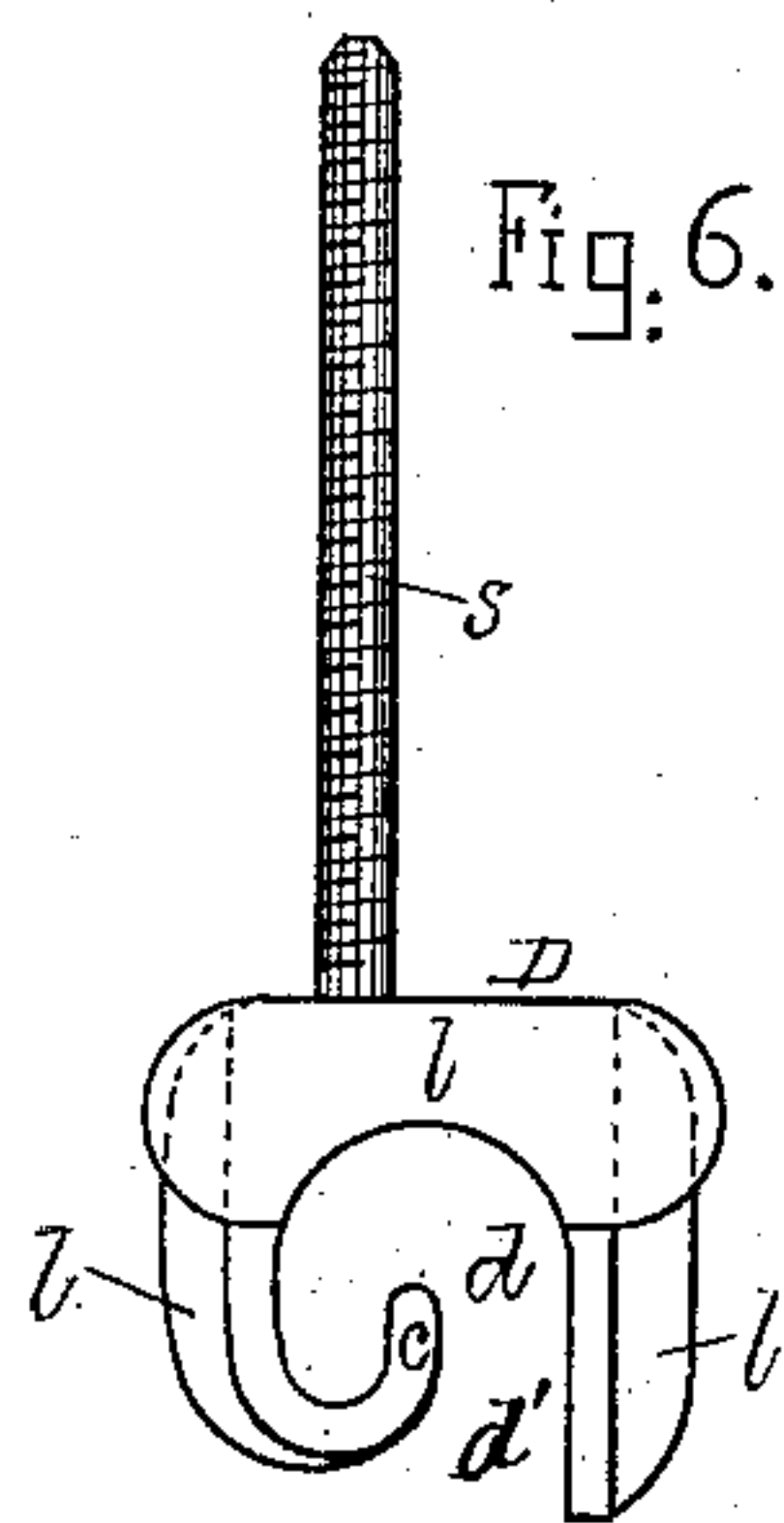
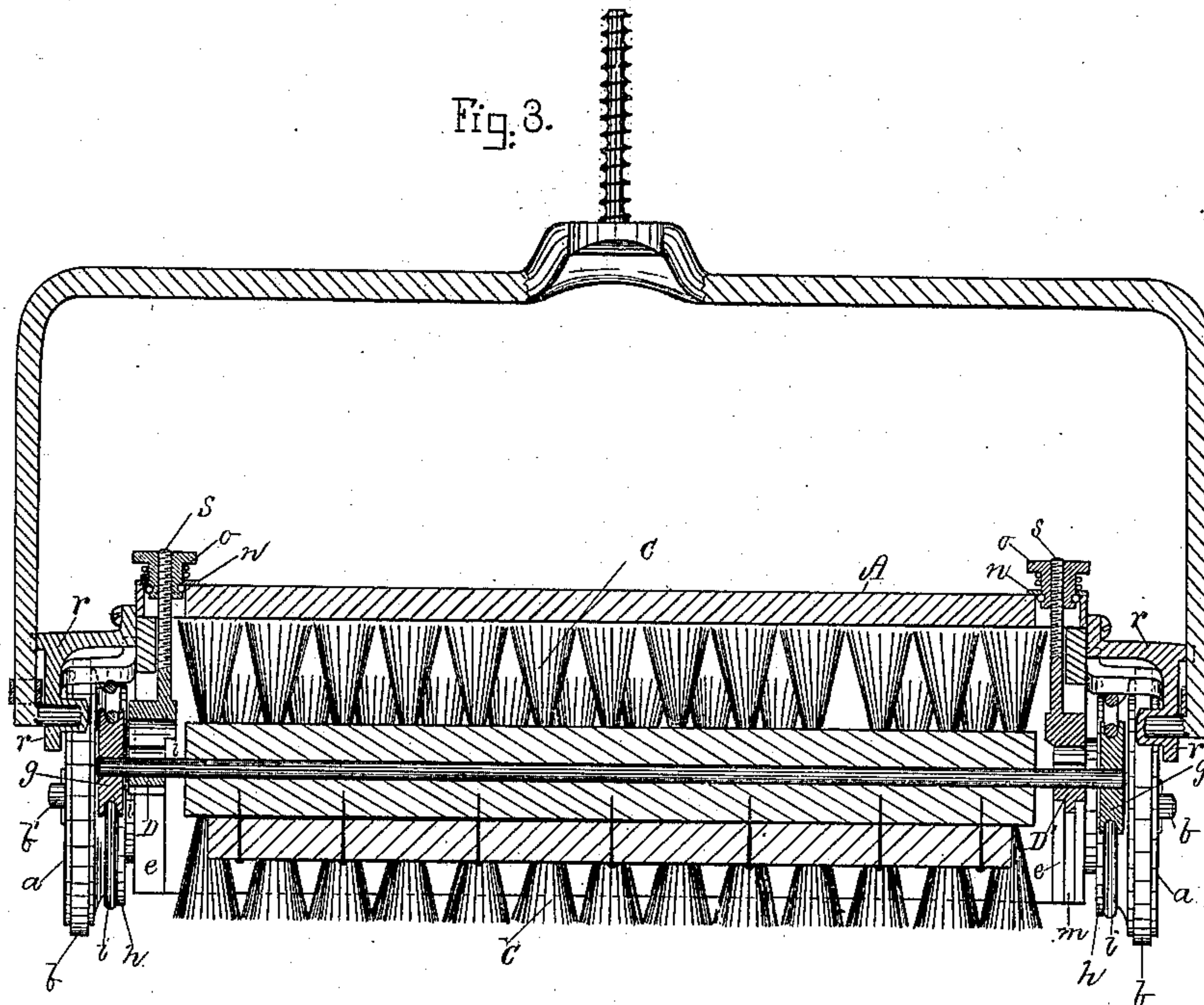
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UNITED STATES PATENT OFFICE.

ROBERT HENRY EDDY, OF CHICAGO, ILLINOIS.

CARPET-SWEEPER.

SPECIFICATION forming part of Letters Patent No. 375,991, dated January 3, 1888.

Application filed March 26, 1887. Serial No. 232,498. (No model.)

To all whom it may concern:

Be it known that I, ROBERT HENRY EDDY, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Carpet-Sweepers; and I do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is an end elevation, Fig. 2 a transverse and median section, Fig. 3 a longitudinal and median section, and Fig. 4 a bottom view, of a carpet-sweeper provided with my present invention, the nature of which is defined in the claims hereinafter presented. Fig. 5 is a bottom view and Fig. 6 a side elevation of one, and Figs. 7 and 8 are similar views of the other, of the vertically-movable bearings or boxes of the shaft of the revoluble combined fan and brush.

The carpet-sweeper to which my improvement is applicable is analogous in some of its principal characteristics to that described and represented in Letters Patent No. 259,374, dated June 13, 1882, and granted to me—that is to say, it has within its case A a revoluble combined fan and brush, C, upon whose shaft, at each end thereof, is fixed one of two grooved wheels, *g*, over and in which and about two other and larger grooved wheels, *h*, between which each wheel *g* is situated, an elastic endless belt, *i*, is extended, in manner as represented, each of such bands or belts going over the upper part only of the median wheel, and thence mostly around both of the other wheels next adjacent thereto, and by so doing tending to press downward the median wheel and the shaft into its bearings or boxes. Each grooved wheel *h* has fixed to it, on its outer side, concentrically a larger wheel, *a*, having an elastic tread, *b*, to rest and run upon a carpet, and each wheel *h*, with its wheel *a*, is supported on a fixed journal, *b'*, projecting from the end of the case A. The bearings or boxes shown at D D', instead of being like those described in the said patent, differ therefrom—that is to say, each is provided or formed with a hook, *c*, to receive and support the journal of the shaft of the brush—and, as represented, each box or bearing has in it a vertical passage, *d*, having at its lower end the mouth *d'* and leading into the hook, the said vertical passage being of a size to admit

of the journal being moved upward into or out through it from the hook. Furthermore, each bearing is adapted to slide vertically within its end of the case, or in a slot, *e*, formed therein and open at the bottom of such end. One of the bearings is represented as having flanges *l'*, projecting from the middle of its vertical opposite edges, to enter grooves *m*, opening out of the sides of the slot. The other box has two flanges, *l*, projecting from each of its two vertical opposite edges, such flanges last mentioned lapping on opposite sides of the end part of the case. When the brush-shaft is within the hooks, it will be held down therein by the elastic endless belts with sufficient force to prevent accidental disengagement of the journals from the hooks. By simultaneously pressing upward each of the grooved wheels *g* sufficiently and moving it laterally the brush-shaft may be easily removed from the hooked bearings, from which it will or may be ejected by the elastic force of the endless belt. There is to raise each of the bearings or boxes D D' a screw, *S*, which is extended upward from such bearing through the top of the case, and a metallic stationary washer, *n*, fixed thereon, a milled nut, *o*, being screwed upon the part of the screw that projects above the washer.

I do not herein claim the case slotted at its ends and provided with the revoluble brush and its driving-wheels and their elastic endless belts, as set forth, in combination with the brush journal-boxes and with a bail pivoted to the said boxes and provided with hooks arranged to hook upon the journals of the brush in manner as represented and described in my said patent, No. 259,374, as I now have no such hooks to the bail, which turns in brackets *r r*, projecting from the ends of the case. I would remark that, if desirable, each journal box or bearing, besides or instead of having the endless band to hold the journal in the hook of such box, may be provided for such purpose with one or more springs applied to it (the said box) and the case, and to bear on the journal.

I claim—

1. The combination, with the case having slots on its ends, as described, and with the revoluble brush and the driving-wheels and elastic endless bands thereof at the ends of such case,

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of the journal bearings or boxes provided with hooks and vertical passages having at their lower ends the mouths *d'*, substantially as set forth, whereby the brush-shaft, with the brush
5 fixed to it, can, as specified, be readily engaged with or disengaged from the said bearings or boxes as occasion may require, the endless bands operating to prevent, as explained, accidental disengagement of the journals and boxes.
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2. The combination, with the case having slots in its ends, as described, and with the revoluble brush and the driving-wheels and elastic endless bands thereof at the ends of such case,

of the journal bearings or boxes provided with hooks and vertical passages having at their lower ends the mouths *d'* thereto, substantially as set forth, whereby the brush-shaft, with the brush thereon, can, as specified, be readily engaged with or disengaged from the said bearings or boxes as occasion may require, the endless bands operating to prevent, as explained, accidental disengagement of the journals and boxes. 15 20

ROBERT HENRY EDDY.

Witnesses:

CHAS. A. EDDY,
J. M. EDDY.