

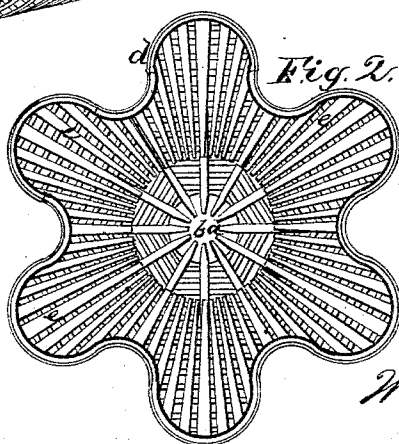
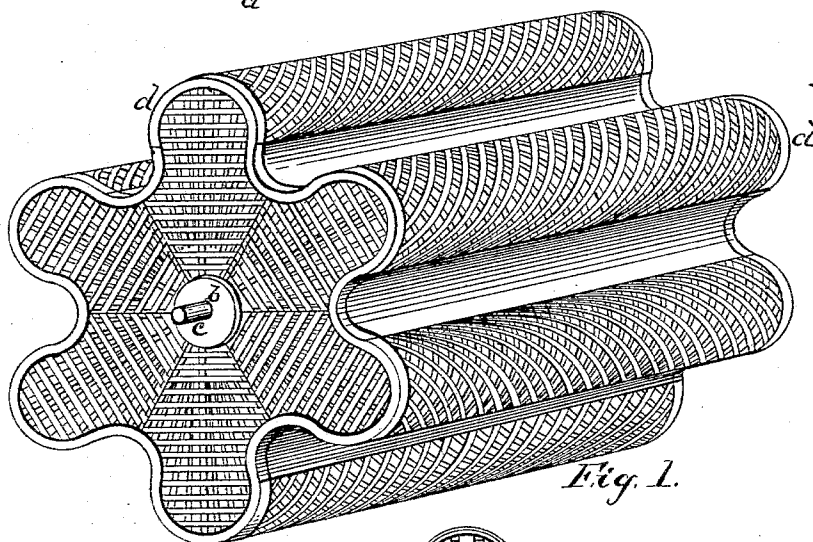
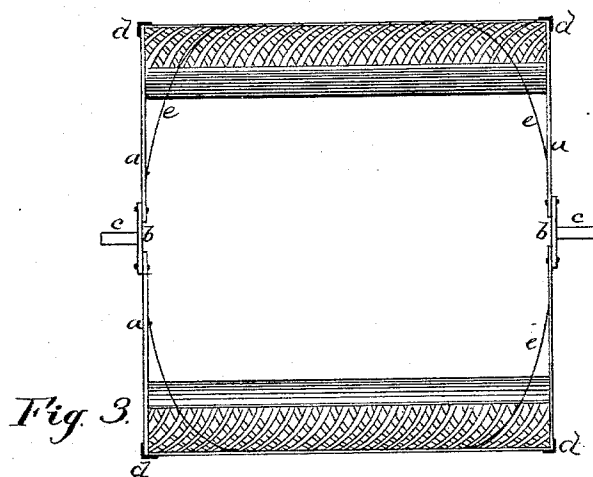
(No Model.)

W. H. LA FOUNTAIN.

CARPET CLEANER.

No. 318,993.

Patented June 2, 1885.



WITNESSES:

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WILLIAM H. LA FOUNTAIN, OF CLEVELAND, OHIO.

CARPET-CLEANER.

SPECIFICATION forming part of Letters Patent No. 318,993, dated June 2, 1885.

Application filed November 8, 1884. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. LA FOUNTAIN, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Carpet-Cleaners, of which the following is a specification.

This invention relates to a device for beating and discharging dust and dirt from carpets and similar fabrics; and it consists of a rotating slatted or open-work cage of peculiar construction, as hereinafter described, and particularly pointed out in the claim, in which the carpet is placed, and is operated upon by the tumbling process.

In the accompanying drawings, Figure 1 is a perspective view. Fig. 2 is a cross-section, and Fig. 3 is a longitudinal section, of my new rotary cage.

The form of my cage is that of a corrugated cylinder. The ends or heads are composed of spokes *a a*, secured at the center to plates *b*, having journals *c*. The rims or periphery of said heads are composed of semicircular angle-irons *d*, fastened together in ogee lines, so that the sides of the cage may be formed in deep rounded corrugations. The inner portions of the said corrugated sides are made closed, and the outer portions are composed of slats secured in diagonal lines, forming open lattice-work, through which the dust and dirt falls. Said lattice-work also serves to strengthen and brace the sides. The ends or heads are also finished with slats in open or lattice form, through which air is drawn as

the cage is rotated. To the inside of the heads are attached radial slats *ee*, whose outer ends are bent toward the center of the cage, and are fastened to the sides. The object of these radial slats is to form an incline to the inside of the ends of the cage, for the purpose of causing the carpet as it falls to be thrown together instead of being spread and stretched, thereby straining the fiber, but contrarywise, to have a fulling tendency, so that while the dust and dirt are beaten out the fabric is retained close and compact and undergoes the cleaning process without liability to injury. The cage is provided with a suitable door at one side for inserting and removing the carpets, and it is to be propelled by the usual gear attachments.

Having described my invention, I claim—
In a carpet-cleaner, the cage composed of the open or latticed heads, consisting of the spokes *a a*, covered with slats, and secured at the center to hubs *b*, provided with journals *c*, and having ogee rims constructed of curved angle-pieces *d*, forming a corrugated periphery, to which are secured the alternately closed and slatted sides, the radial and bent internal slats, *e*, forming the incline end walls, substantially as described, and for the purpose specified.

WILLIAM H. LA FOUNTAIN.

Witnesses:

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