

(No Model.)

W. H. LA FOUNTAINE.
CARPET CLEANING APPARATUS.

No. 468,521.

Patented Feb. 9, 1892,

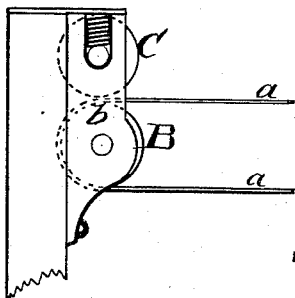


Fig. 3.

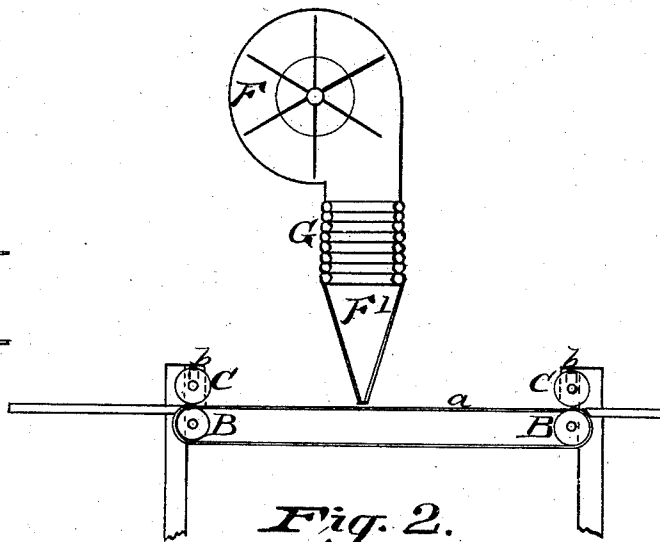


Fig. 2.

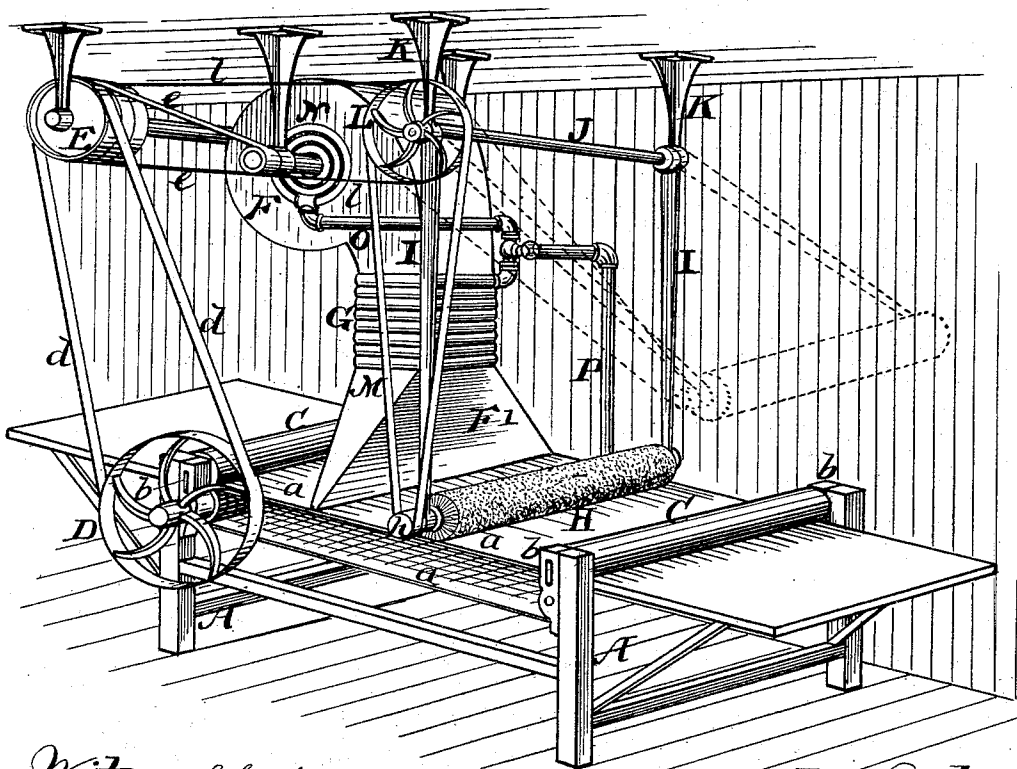


Fig. 1.

Witnesses:

A. C. Barton
D. C. Grover

Inventor

William H. LaFontaine,
By Geo. W. Tibbitts Atty.

UNITED STATES PATENT OFFICE.

WILLIAM H. LA FOUNTAINE, OF CLEVELAND, OHIO.

CARPET-CLEANING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 468,521, dated February 9, 1892.

Application filed March 6, 1891. Serial No. 384,059. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. LA FOUNTAINE, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Carpet-Cleaning Apparatus, of which the following is a specification.

This invention relates to new and novel means for cleaning fine carpets and rugs and for killing moths or larvæ that may be in them; and the invention consists in the peculiar constructions and combinations of apparatus for accomplishing such results, substantially as hereinafter described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a perspective view of my new carpet-cleaning apparatus. Fig. 2 is a sectional view of the fan and heating-coil in the neck of the discharge-spout. Fig. 3 is a sectional view of one of the roller-bearings at corner of machine, showing upper roller-journal with spring.

Are presents a frame-work of suitable height and dimensions, to each end of which are attached rollers B B, journaled in bearings *b b*, firmly bolted to the posts of said frame. Upon said rollers is provided an endless belting consisting of cords or narrow ribbons *a a*, designed as a carrier for carpets or rugs.

C C are free rollers journaled in self-adjusting bearings immediately over the rollers B B, which serve to bear upon the carpet and aid in feeding the same through the machine. To one of the roller-journals B is attached a pulley D, connected by belt *d* with driving-pulleys E overhead or in other suitable position for imparting motion to said rollers. At each end of the frame-work A are provided extensions or leaves for the convenience of feeding a carpet to or receiving it from the rollers. Over the said moving endless belting and suspending from the ceiling is provided a fan-blower F, driven by a belt *e* from the driving-pulleys E, before mentioned. The discharge-spout F' from said blower leads

down to and directly over the endless belting. Its lower end terminates in a long narrow discharge-opening reaching across from side to side of said belting, the purpose being to deliver the blast of air from the blower in a forcible narrow stream across the carpet as it is fed along under said spout. To the neck of said discharge-spout are provided coils of steam-pipes G of suitable construction for the blast of air to pass through for the purpose of heating the same before delivery to the carpet, the object being to dry out any moisture there may be in the carpet and enhance the removal of the dried dust, and cook, burn, or kill any moths or larvæ that may be there. To heat the said coil-pipe a steam-pipe P leading from a suitable supply source is connected to the coils.

H is a rotary brush held by suspended levers I I over the said endless belting at one side and near the spout F'. The upper ends of the levers I I are pivotally hung on a shaft J, journaled in hangers K K, suspended from the ceiling, and upon which the brush may be swung away when desired. Upon the shaft J is provided a pulley L, driven by a belt *l* from the pulleys E, and a belt M also connects said pulley L with a pulley *h* on the brush-shaft for rotating the same. N is also a heating-coil placed around the fan-shaft at the openings for ingress of air to the fan for heating the air as it enters, to assist the heating-coil G. The coil N may be connected by pipe O with pipe P for supply of steam for heating same.

Having described my invention, what I claim is—

The combination, with fan-blower F, having a broad and flat discharge-nozzle F', of steam-pipe N at air-ingress, steam-pipe coil G in the discharge-neck, and means for rotating the fan, substantially as and for the purpose specified.

WILLIAM H. LA FOUNTAINE.

Witnesses:

GEO. W. TIBBITTS,
E. J. PINNEY.