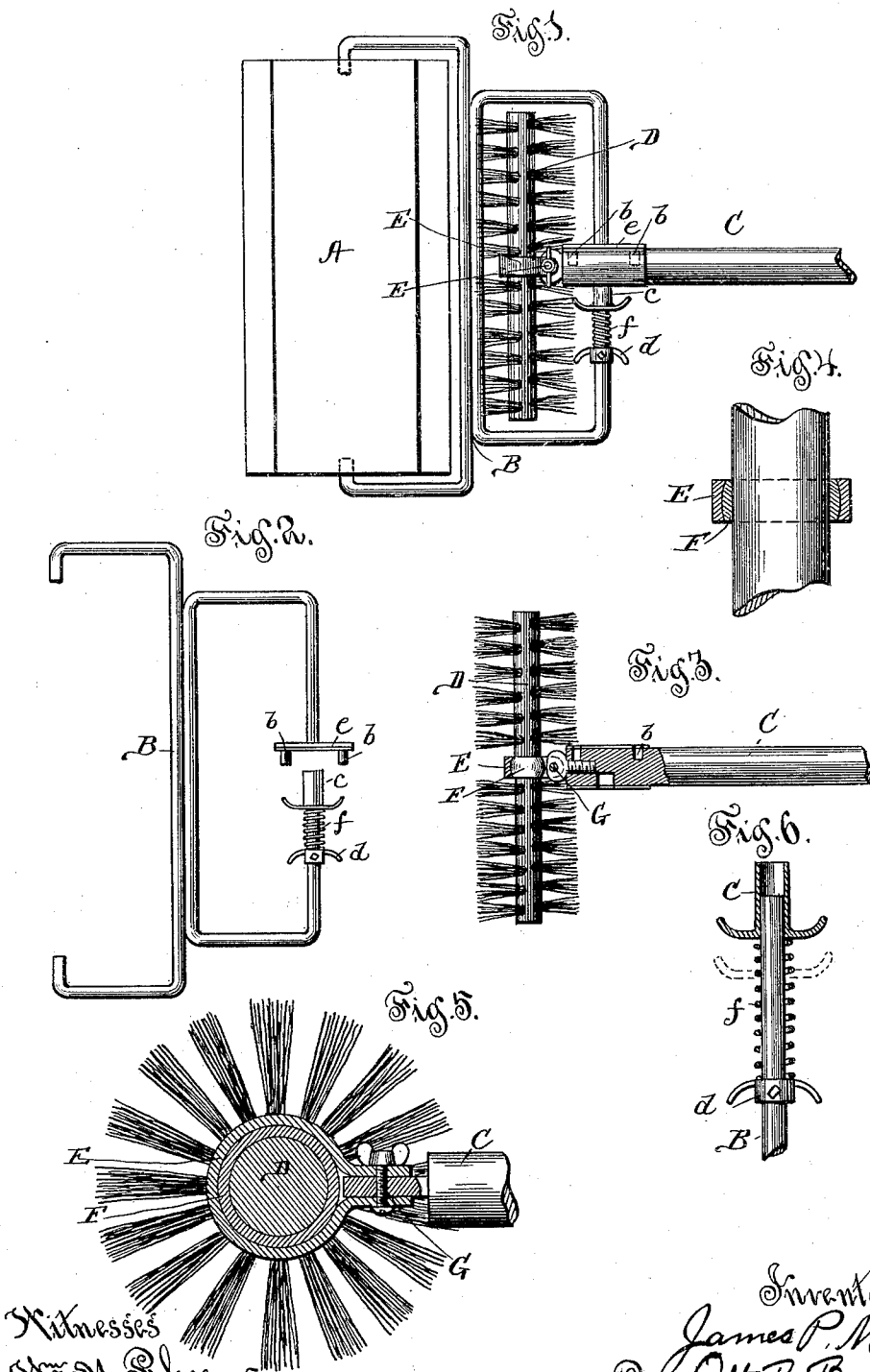


(No Model.)

J. P. MARSH.
CARPET SWEEPER.

No. 473,766.

Patented Apr. 26, 1892.



Witnesses
Wm. M. Rheem.
Eliu A. Mett.

Inventor.
James P. Marsh
By Otto R. Barnett.
Att'y.

UNITED STATES PATENT OFFICE.

JAMES P. MARSH, OF CHICAGO, ILLINOIS, ASSIGNOR TO OTTO R. BARNETT,
TRUSTEE, OF SAME PLACE.

CARPET-SWEEPERS.

SPECIFICATION forming part of Letters Patent No. 473,766, dated April 26, 1892.

Application filed November 9, 1891. Serial No. 411,382. (No model.)

To all whom it may concern:

Be it known that I, JAMES P. MARSH, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Carpet-Sweepers, of which the following is a specification.

Carpet-sweepers as ordinarily constructed are not capable of working close to walls and in crevices, and it is therefore necessary to supplement their work by the use of brooms or brushes. This entails considerable annoyance, as two separate implements must be carried about.

It is the purpose of my invention to provide an auxiliary brush or broom as an attachment of the sweeper, said brush being so constructed as to reach any corner.

In the accompanying drawings, Figure 1 is a plan view of the sweeper and a portion of its handle having my improved attachment. Fig. 2 is a like view of the bail by which the handle is connected to the sweeper. Fig. 3 is a view, partly in section, of a portion of the sweeper and the attached brush. Fig. 4 is a section of the clamp by which the brush is held. Fig. 5 is a cross-section, on a larger scale, of the brush and clamp. Fig. 6 shows in detail the catch by which the sweeper-handle is fastened to the bail.

A, Fig. 1, is the box of the sweeper constructed in any usual manner.

B is the bail connecting the handle and sweeper. It is composed of wires bent to rectangular shape. It is pivoted to the sweeper, as is usual, and is secured to the handle C by means of pins *b b* and catch *c*, which fit into sockets upon the opposite side of the handle C. The catch *c*, (see Fig. 6,) as shown, is in the form of a sleeve which fits over the wire of the bail B and is projected by a spiral spring *f*, surrounding said wire, abutting at one end against the catch *c* and at the other against an adjustable stop *d*, fixed upon the wire. The pins *b b* project from a cross-piece *e*, which is affixed to the bail-wire and which conforms to the shape of the handle C. The handle C is thus detachable from the bail B upon the retraction of the catch *c*, as indicated in dotted lines in Fig. 6, such retraction being easily effected by the thumb and finger holds provided upon the catch *c* and upon the

stop *d*. At the lower end of the handle C a brush D is fastened by means of a clamp E, which encircles the middle of the brush. Said clamp is hollowed upon its inner surface to fit a ring F, rigidly secured to the brush, the outer surface of said ring forming the segment of a sphere. The clamp E can be tightened upon the ring F by means of the thumb-screw G, Fig. 5, the tightening of said thumb-screw also serving to secure the clamp to the handle C. This fastening of the clamp permits it to be adjusted to any angle with the handle and to be rotated from time to time, so as to equalize the wear upon it.

The use of the device is obvious. When the handle is attached to the sweeper and the brush is not in use, it is protected by the rectangular frame of the bail surrounding it.

Without confining myself to the precise details herein shown and described, what I claim, and desire to secure by Letters Patent, is—

1. In a carpet-sweeper, a detachable handle provided with an auxiliary brush attached to its lower end, substantially as described.

2. In a carpet-sweeper, a detachable handle provided with an auxiliary brush, and a clamp connecting said brush and handle, substantially as described.

3. In a carpet-sweeper, a detachable handle provided with an auxiliary brush at its lower end, and a bail connecting said handle and brush and forming a rectangular frame surrounding said auxiliary brush, substantially as described.

4. In a carpet-sweeper, a detachable handle provided with an auxiliary brush at its lower end, a bail provided with pins, and a spring-impelled catch engaging the opposite sides of said handle, said bail forming a rectangular frame surrounding said auxiliary brush, substantially as described.

5. In a carpet-sweeper, a detachable handle C, provided with an auxiliary brush D, connected thereto by the clamping-ring E, fitted to the spherically-curved ring F, attached to the brush, substantially as described.

JAMES P. MARSH.

Witnesses:

IRWIN VEEDER,
ELSIE NEMETT.