

UNITED STATES PATENT OFFICE.

GEORGE W. KELLEY, OF GOSHEN, INDIANA.

CARPET-SWEEPER.

SPECIFICATION forming part of Letters Patent No. 469,573, dated February 23, 1892.

Application filed September 30, 1889. Serial No. 325,537. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. KELLEY, a citizen of the United States, and a resident of Goshen, in the county of Elkhart and State of Indiana, have invented certain new and useful Improvements in Carpet-Sweepers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-
10 pertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation
15 of this invention in perspective. Fig. 2 is a partial longitudinal section. Fig. 3 is a transverse section. Fig. 4 is a detail view in perspective.

This invention has relation to carpet-sweepers; and it consists in the novel construction and combination of the parts, as hereinafter described, and pointed out in the claim.

In the accompanying drawings, the letter A indicates the sweeper-case, and B the handle,
25 journaled at each end thereof.

Inside the sweeper-case, near one end, is provided a transverse slide or partition C, having a central vertical open slot *d*, through which passes the shaft of a brush E, the latter being vertically immovable in its bearings. Said partition separates drive-wheels F and the pulley-wheel G from the brush-chamber and has a vertical motion in ways or guides *c* in the sides H H of said case, a stud *b* being
35 provided at each end to engage slots *i i* in said sides to limit its vertical motion, which is communicated by a spring L. This spring is secured to the partition C centrally above its vertical central slot *d*. The arms of the

spring extend laterally toward either side, 40 bearing at their ends against the interior surface of the top portion of the sweeper-case. The driving-wheels are mounted on studs riveted to vertical-shaped hangers M, and the latter are pivoted at their upper ends to the
45 partition C, one on each side of the slot *d*. Their lower ends, which are slotted at *r*, project back at right angles to engage by means of said slots the pins or screws *s* on the lower edge of said partition. The object of the piv-
50 oted slotted hangers is to permit lateral adjustment of the driving-wheels, and also to communicate upward vertical motion to the partition C when the wheels are subjected to pressure from above. The object of this con-
55 struction is to allow the brush to be brought in closer relation with the floor through the downward pressure of the handle upon the sweeper while the latter is in motion. When the floor is bare or covered with oil-cloth, this
60 increased pressure causes the wheels to rise, and the brush has a firmer hold, thus enabling it to search out the dust hidden in the inequalities of the surface.

What I claim as my invention is—

In a carpet-sweeper, the combination, with the driving-wheels mounted upon laterally-adjustable hangers and the vertically-mov-
65 able spring-actuated slotted partition, of the self-adjusting removable brush and the
70 sweeper-case, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE W. KELLEY.

Witnesses:

E. E. MUMMERT,
G. L. LAMB.