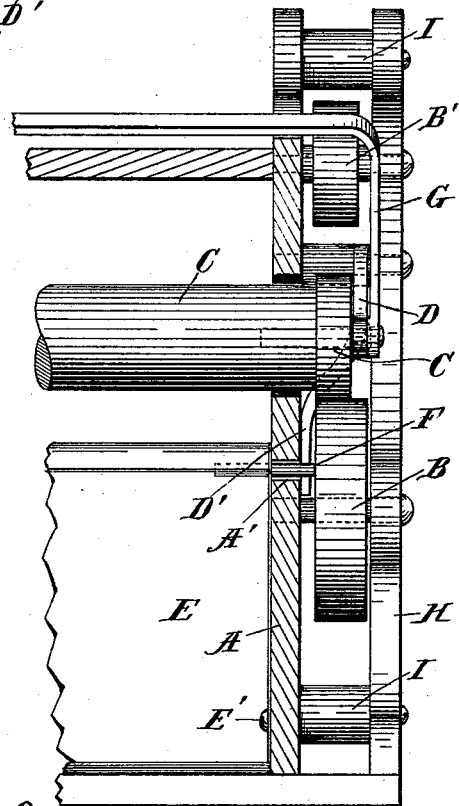
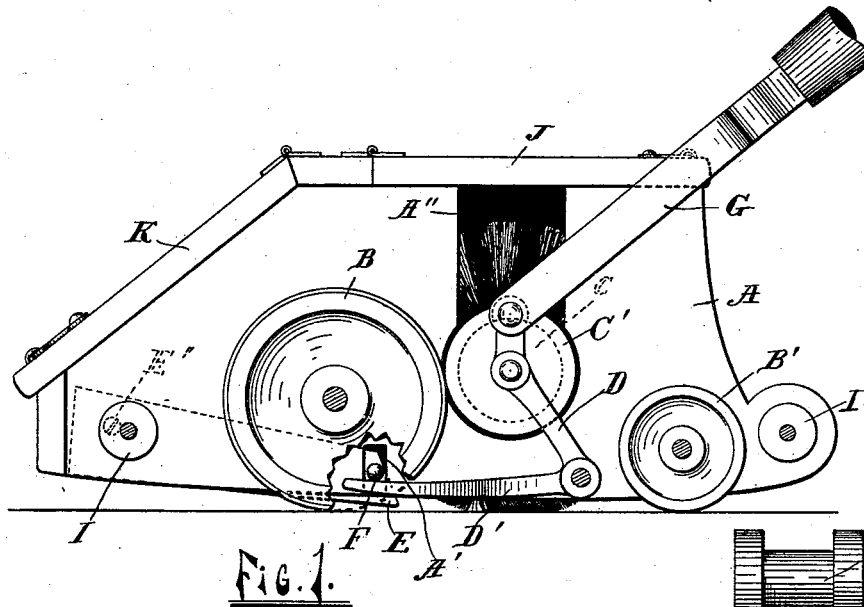


G. H. GERE.
CARPET SWEEPER.

Patented July 24, 1894.



WITNESSES:

Louis Moutton.
Lewis & P. Sanders

Fig. 2.

INVENTOR

George H. Gere
BY

Samuel V. Morison
ATTORNEY.

UNITED STATES PATENT OFFICE.

GEORGE H. GERE, OF GRAND RAPIDS, MICHIGAN.

CARPET-SWEEPER.

SPECIFICATION forming part of Letters Patent No. 523,339, dated July 24, 1894.

Application filed November 17, 1893. Serial No. 491,281. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. GERE, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Carpet-Sweepers; and I do hereby 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 appertains to make and use the same.

My invention relates to improvements in carpet sweepers, and its object is to provide the same with certain new and useful features, hereinafter more fully described and particularly pointed out in the claims, reference being had to the accompanying drawings, in which—

Figure 1 is an end elevation of a device embodying my invention with parts broken away to show the construction; and Fig. 2 a plan view of one end of the same with the case in horizontal section.

Like letters refer to like parts in both of the figures.

A represents the case supported upon two larger drive wheels B, and two smaller trailing wheels B', one of each only, being shown in the drawings. In the forward part of said case and near the bottom of the same is the dust pan E, which is pivoted near its forward side at E', to said case, being vertically movable at its rear side and provided near its rear corners with pins or studs F, which project outwardly through vertically elongated slots A' in the end walls of the case, and engage the horizontal arms D' of bell crank levers pivoted to the case, said levers having upwardly projecting arms D, in which is journaled the brush shaft C, having pulleys C' at each end adapted to engage the driving wheels B and rotate said brush shaft as said arms D are pressed forward by the bail G, which is pivoted at its respective ends to the upper ends of said arms. A vertical slot A'' in the end walls of the case receives said brush shaft and permits its upward removal from said case through a door J in the same, or said door may be opened and the brush examined, or cleaned, without inverting the case; an inclined front door K over the dust pan E is provided through which the contents of said pan may be re-

moved. A guard bar H extends outside of the pulleys and bell crank described, which furnishes a support for the outer ends of the pivots and journals of the same, and also serves as a fender for the device. Said bar is attached to and supported in place by studs I I, projecting from the end wall of the case.

From the foregoing, the operation of my device may be readily understood. Upon the forward stroke, the arms D are pressed forward and downward in a diagonal direction, thus lowering the brush in closer contact with the carpet and forcing the pulley C' in operative contact with the drive wheels B, and at the same time lowering the rear edge of the dust pan in close contact with the carpet to prevent dust from passing below said pan. At the same time if any bulky obstruction passes beneath the same, the pins F will be free to rise in the slots A', and thus permit the rear of said pan to rise and pass over said obstruction. Upon the backward stroke, the arms D are drawn diagonally backward and upward thus removing the brush from contact with the carpet and the pulleys C' from contact with the wheels B, and at the same time lifting the rear edge of the dust pan clear of the carpet, whereby the device runs freely backward, I thus secure a very cheap and effective device.

What I claim is—

1. In a carpet sweeper, in combination with a drive wheel journaled on the case, and a dust pan pivoted to the case near one side, and vertically movable at the other side, a bell crank lever pivoted to said case having one arm supporting the movable side of said dust pan, a brush shaft journaled in the other arm of said bell crank lever, and having pulleys engaging said drive wheels, and a bail pivoted to said arm, substantially as described.

2. In a carpet sweeper, a case having vertically elongated openings near the bottom of its ends, and slots in its ends a dust pan pivoted to said case near the front thereof, pins on said pan extending through said elongated openings, a brush shaft rotative and laterally movable in said slots, bell cranks pivoted to said case, and having horizontal arms supporting the vertically movable sides of said pan, and inclined arms in which said brush shaft is journaled, a bail pivoted to said in-

clined arms, and drive wheels journaled on said case and engaging pulleys on said brush shaft, substantially as described.

5 3. In a carpet sweeper, a dust pan pivoted near one side and vertically movable at the other side, bell crank levers pivoted to the case and supporting the movable side of said dust pan, and a bail pivoted to said levers, substantially as described.

10 4. In a carpet sweeper, drive wheels journaled on the case, levers pivoted on the case, a

brush shaft journaled in said levers and having pulleys engaging said wheels, and a bail pivoted to said levers, substantially as described. 15

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

GEORGE H. GERE.

Witnesses:

LOIS MOULTON,
LUTHER V. MOULTON.