

No. 642,629.

Patented Feb. 6, 1900.

S. J. REYNOLDS.
CARPET SWEEPER.

(No Model.)

(Application filed Apr. 17, 1899.)

2 Sheets—Sheet 1.

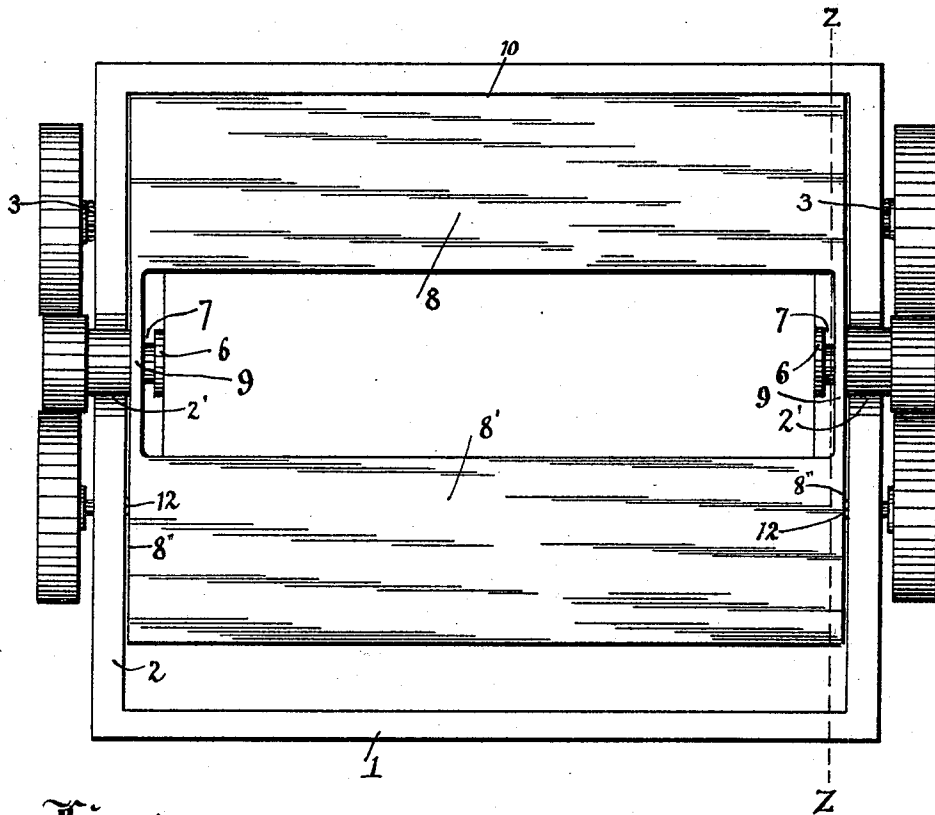


Fig. 1

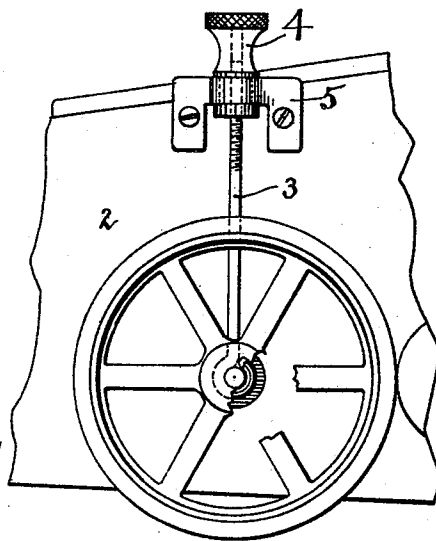


Fig 2

WITNESSES:

D. Beckwith
Lewis H. Brown

INVENTOR

Sylvanus J. Reynolds

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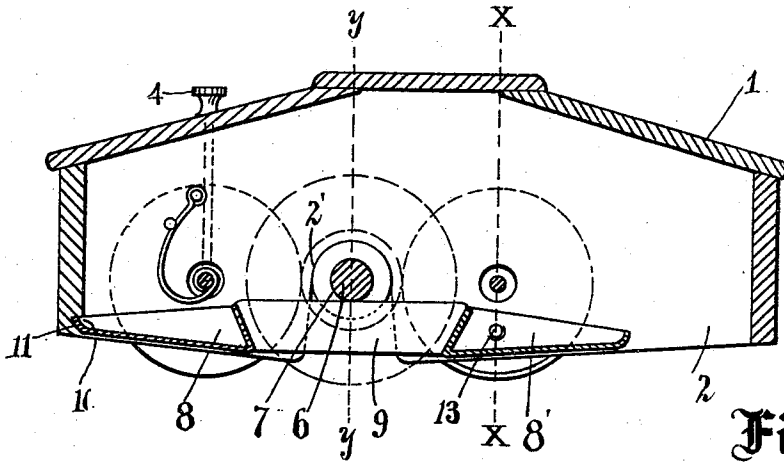


Fig. 3

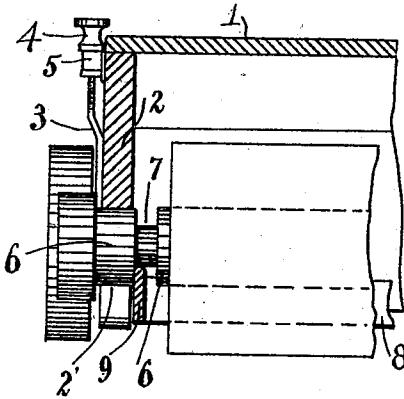


Fig. 5

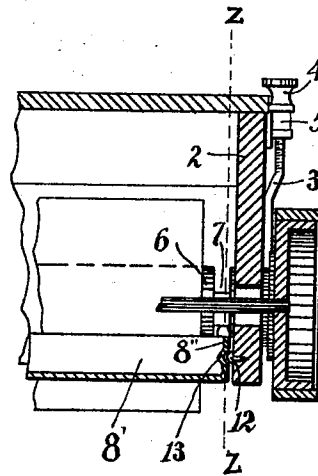


Fig. 4

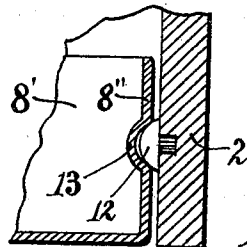


Fig. 6

WITNESSES:

P. J. Beckwith
Louis H. Beane

INVENTOR

Sylvanus J. Reynolds

UNITED STATES PATENT OFFICE.

SYLVANUS J. REYNOLDS, OF SAGINAW, MICHIGAN.

CARPET-SWEEPER.

SPECIFICATION forming part of Letters Patent No. 642,629, dated February 6, 1900.

Application filed April 17, 1899. Serial No. 713,267. (No model.)

To all whom it may concern:

Be it known that I, SYLVANUS J. REYNOLDS, a citizen of the United States, residing at Saginaw, in the county of Saginaw and State of Michigan, have invented new and useful Improvements in Carpet-Sweepers, of which the following is a specification.

My invention relates to carpet-sweepers, the object being to produce a simple, durable, convenient, and inexpensive combination of parts whereby the dust-pan by its peculiar construction and combination with the sweeper-case holds the brush-shaft in place, thus simplifying the removal of the brush-shaft and dust-pan for cleaning the sweeper-case; also, simple and positive means for adjusting the height of the rollers, all as shown and described.

Figure 1 is a plan view of the sweeper inverted. Fig. 2 is an enlarged side view of roller and means for adjusting same. Fig. 3 is a cross-sectional view on lines *z z*, Figs. 1 and 4. Fig. 4 is a longitudinal sectional view of one end on line *x x*, Fig. 3, showing means for holding dust-pan. Fig. 5 is a longitudinal sectional view of end on line *y y*, Fig. 3, showing bar on dust-pan holding brush-shaft in place. Fig. 6 is an enlarged view of that part of Fig. 4 showing means of holding dust-pan in sweeper-case.

In the drawings, 1 is the sweeper-case, supported by rollers in the usual way, mounted on shafts extending through the end walls 2 of case and fitted, as usual, with springs to press rollers against brush-shaft in order to rotate same when rollers are revolved, where they may be adjusted by the threaded rod 3 and a nut 4, which is held in place, but allowed to turn in collar 5.

6 is the brush-shaft, extending through the slots 2' in the end walls 2 in the usual way and provided with circumferential grooves 7 at each end just inside of end walls.

8 and 8' are dust-pans connected at the ends by a heavy connecting-bar 9, the upper part of which, by pressing on the under side of groove 7 of brush-shaft 6, holds same in the slot 2' in end walls. The bar 9, fitting in the grooves 7, also prevents end shake in brush-shaft. To hold the dust-pan in position, the

side of pan 8 is made to form a lip 10, which fits in groove 11, extending across the sweeper-case. The other side of the dust-pan is locked in position by the buttons 12, projecting inside of end walls 2 and made to fit into depressions 13 in end wall 8" on each end of dust-pan 8', which, being made of flexible material, it will be seen that by first inserting lip 10 into groove 11 in the sweeper-case, then forcing the other side inwardly toward its position in case, the end walls 8" of pan 8' by being forced against the inclined sides of buttons 12 will be forced aside until the depressions 13 allow the end walls 8" to again spring back into place, thus locking the dust-pan in position by the pressure against the button 12.

It is obvious that by giving the dust-pan a quick pull at the side 8' it will again depress ends 8" of pan and be released from sweeper-case, thus allowing the brush-shaft free to be lifted out of its bearing in slot 2', making it a very simple and effective operation.

It will be seen that by turning nuts 4 of the threaded rods 3, in the ends of which the roller-shaft is journaled, the position of the rollers, and consequently the height of brush, may be positively regulated.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a carpet-sweeper, the combination of a casing having a groove in the inside of one of its sides, and projections upon the inside of its ends near the other side, a double dust-pan consisting of two pans connected at their ends by bars forming an opening for the brush, and said pans being detachably secured to the casing by one of its side edges entering the groove in the casing, and by its depressions engaging the projections in the ends of the casing, and a brush having its shaft supported upon the bars that connect the two parts of the pan substantially as shown and described.

Signed by me this 5th day of April, 1899, in the city and county of Saginaw, Michigan.

SYLVANUS J. REYNOLDS.

Witnesses:

LEWIS HEARNS,
E. D. BERKBISSINGER.