

F. C. MASON & J. W. SHANAHAN.
BRUSH ADJUSTMENT FOR CARPET SWEEPERS.
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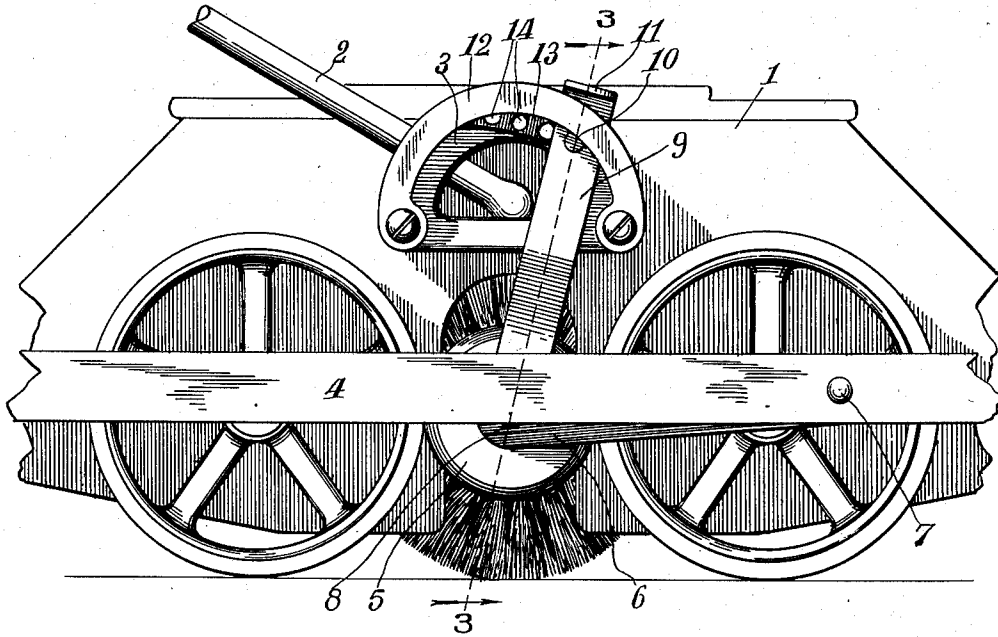


Fig. 1.

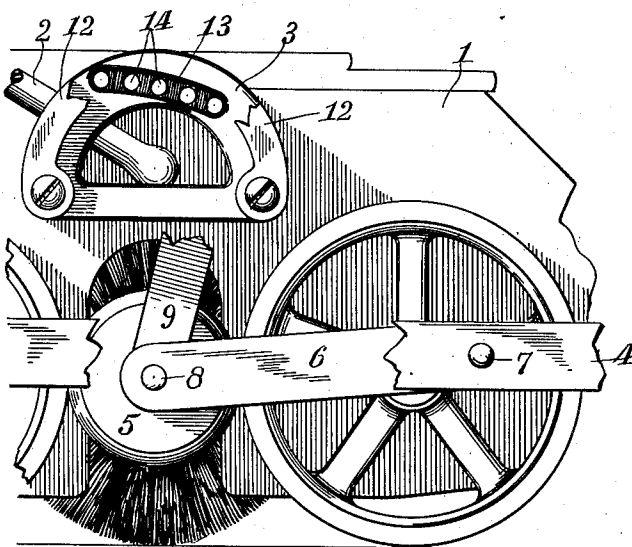


Fig. 2.

Witnesses

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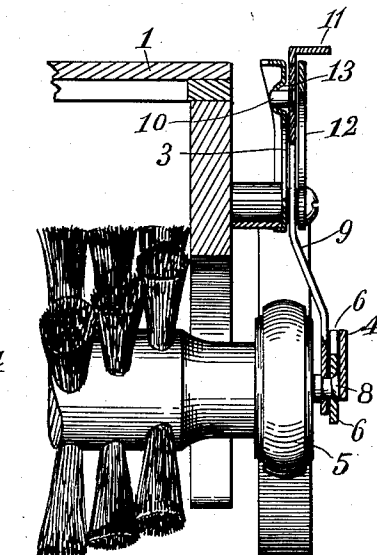


Fig. 3.

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BRUSH ADJUSTMENT FOR CARPET-SWEEPERS.

1,038,170.

Specification of Letters Patent.

Patented Sept. 10, 1912.

Application filed December 11, 1911. Serial No. 665,013.

To all whom it may concern:

Be it known that we, FRANCIS C. MASON and JOHN W. SHANAHAN, citizens of the United States of America, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Brush Adjustment for Carpet-Sweepers; and we 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.

Our invention relates to improvements in brush adjustment for carpet sweepers and its object is to provide a reliable and easily operated means for vertically adjusting the brush of a carpet sweeper relative to the balance of the device and to provide the same with various new and useful features as 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 carpet sweeper embodying our invention with portions broken away; Fig. 2 a detail of the same in elevation with other parts broken away; and Fig. 3 an inclined section on the line 3—3 of Fig. 1.

Like numbers refer to like parts in all of the figures.

1 represents the case of a carpet sweeper; 2 the bail; 3 the bail guard; 4 the end guard and 5 the brush shaft of a carpet sweeper as ordinarily constructed.

In the form shown in the drawings, our device consists of arms pivoted on the end guards 4 as at 7 and swinging vertically in close relation to the inner surface thereof the movable ends of the arms being opposite the axis of the brush shaft and carrying the pintles 8, on which the brush shaft is journaled. Pivottally connected at its lower end to the arm 6, preferably upon the pintle 8, is an adjusting and supporting member 9, extending upward and swinging in a vertical plane. This member is provided near its

upper end with a retaining pin 10, traversing an eccentric segmental recess in the brush guard 3, and engaging any one of a series of openings in the bottom of the recess whereby the brush pindle is vertically adjusted step by step by shifting the pin in the said openings. The recess retains the pin and prevents the support member from dropping down while the pin is being shifted. On the upper end of this member is an outwardly turned thumbpiece 11, for manually operating the same. Attached to the bail guard and extending outside of this supporting member is a segmental guard 12, which retains the member 9, in proper relation to the bail guard.

From the foregoing description the operation of our device is obvious without further explanation.

What we claim is:—

1. In a carpet sweeper the combination of an arm pivoted at one end, a pindle carried by the other end of the arm on which pindle the brush shaft is journaled, a supporting and adjusting member pivoted on the pindle at the lower end, a bail guard having a series of openings therein at different vertical positions and a pin in the supporting member adapted to enter any one of the said openings.

2. In a carpet sweeper the combination of a supporting and adjusting member connected to the pindle on which the brush shaft is journaled and extending upward therefrom, a bail guard having an eccentric recess and a series of openings in the bottom of the recesses, a pin in said member traversing the recess and engaging any one of the openings and a guard attached to the bail guard and extending outside of said member.

3. In a carpet sweeper the combination of an arm pivoted at one end to the end guard of the sweeper and opposite the axis of the brush shaft, a pindle fixed in the arm on which pindle the brush shaft is journaled, a supporting and adjusting member pivoted on the pindle at its lower end and extending

upward therefrom, a pin in said member, a
bail guard having a segmental recess trav-
versed by the pin and openings in the bot-
tom of the recess to receive the pin and a
5 segmental guard attached to the brush
guard and extending outside of said member
to retain the same with the pin in the recess.

In testimony whereof we affix our signa-
tures in presence of two witnesses.

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Witnesses:

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