

A. K. BRETTELLE.
CARPET SWEEPER ATTACHMENT.
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1,022,059.

Patented Apr. 2, 1912.

Fig. 1.

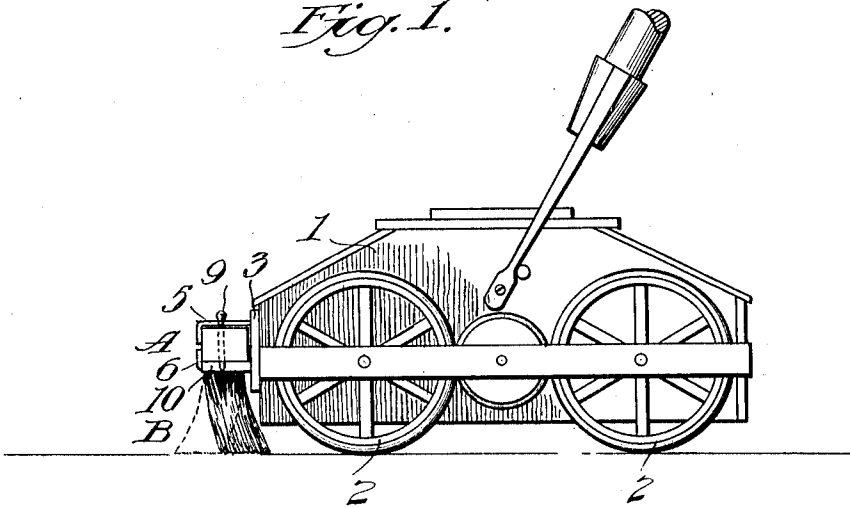


Fig. 2.

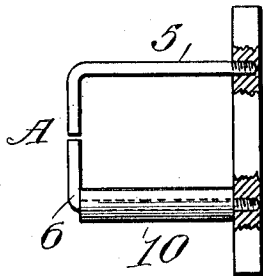
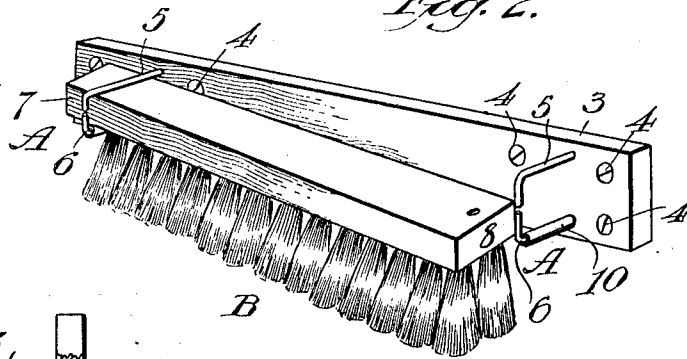


Fig. 3.

WITNESSES

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CARPET-SWEEPER ATTACHMENT.

1,022,059.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, AMBROSE K. BRETTELLE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Carpet-Sweeper Attachments, of which the following is a specification.

The present invention relates to carpet sweepers, and has for its object to provide a novel and efficient means for attaching an auxiliary brush whereby it will supplement the action of the main brushes and render the sweeper more efficient and thorough in its action.

A further object of the invention is the provision of a brush attachment for carpet sweepers which can be readily applied to any form of sweeper, which is simple and inexpensive in its construction, and which will thoroughly clean and remove dust from the nap of the carpet.

With these and other objects in view, the invention consists in certain combinations and arrangements of the parts as will more fully appear as the description proceeds, the novel features thereof being pointed out in the appended claims.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawings, in which:—

Figure 1 is an end view of a carpet sweeper provided with the brush attachment, the brush being shown in full lines in the position assumed when the carpet sweeper is being advanced, and in dotted lines in the position assumed when the carpet sweeper is being drawn rearwardly. Fig. 2 is a perspective view showing the brush attachment separated from the sweeper casing, and illustrating one way of inserting and removing the brush back. Fig. 3 is a detail view of the supporting strip and one of the keepers for the brush.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

Referring to the drawings upon which is illustrated one embodiment of the invention, the numeral 1 designates a carpet sweeper which is of the conventional construction, the said carpet sweeper being provided with the usual rotary brush which is operated through the medium of the

wheels 2 when the sweeper is moved back and forth over the carpet. A strip 3 of wood or other suitable material is detachably applied to one side of the carpet sweeper in some suitable manner as by means of the screws 4. Each end of this strip 3 is provided with a keeper A and these keepers loosely receive the back of a brush B. This brush normally rests upon its bristles, and is preferably moistened when in use so as to prevent the device from stirring up dust. When the carpet sweeper is advanced, the bristle end of the brush B is inclined toward the carpet sweeper, while when the said carpet sweeper is drawn rearwardly, the bristle end of the brush is inclined away from the carpet sweeper.

By reason of the loose mounting of the back of the brush in the keepers A, the brush is free to have a limited vertical and lateral movement and is therefore self-adjusted as the same is carried over the floor. By reason of this mounting of the brush, the bristle or brush part proper more readily inclines either toward or from the sweeper casing, as indicated in Fig. 1, according as the sweeper is moved forward or backward with the result of more effectually removing dust and dirt from the carpet.

The keepers A are constructed in a peculiar manner, each of the keepers comprising an upper arm 5 of hook formation and a lower arm 6, of hook formation the extremities of the said arms being extended inwardly toward each other. The said arms are preferably screwed into the strip and are therefore capable of being turned to throw their extremities out of line, thus opening up the keepers at the front to admit of the insertion and removal of the brush in that way. The back of the brush B projects beyond the bristles at the opposite ends of the brush, the projecting portion 7 at one end of the brush being longer than the projecting portion 8 at the opposite end of the brush. The brush and keepers are so proportioned that when the projecting end 7 of the brush back is inserted in one of the keepers, the brush can be swung into position and then shifted longitudinally to bring the other projecting end of the brush back into the opposite keeper. This short projecting end 8 of the brush back is formed with a perforation designed to receive a pin 9, the said pin serving to hold the brush against longitudinal movement and prevent accidental

disengagement thereof from the keepers. The portions of the brush back which fit within the keepers are somewhat smaller than the said keepers so that the brush is
5 free to have both a vertical and lateral movement, the said brush normally resting upon the bristles and tilting in opposite directions when the carpet sweeper is moved back and forth, as previously described. Sleeves
10 are shown as fitted upon the lower arms 6 of the keepers A, and when the bristles become worn so that the brush no longer operates in a satisfactory manner, the said sleeves can be removed.

15 Provision is thereby made for proper adjustment to compensate for the wearing away of the ends of the bristles.

From the foregoing description, it will be obvious that I have provided a simple and
20 efficient manner for applying an auxiliary brush to a carpet sweeper.

It should be explained that the term "bristles" as used herein, is intended to include any flexible material, preferably fiber,
25 and it will also be understood that various changes in the form, proportion, and minor details of construction may be resorted to

without departing from the spirit or sacrificing any of the advantages of the invention. 30

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

1. A brush attachment for carpet sweepers comprising, in combination with the
35 sweeper casing, external brush supports carried with the casing, a self-adjusting brush having a limited vertical and lateral movement within said supports, and retaining means for detachably holding the brush
40 within said supports.

2. A brush attachment for carpet sweepers, comprising, in combination with the sweeper casing, external brush supporting
45 keepers each consisting of a pair of reversely arranged angle arms, and a self-adjusting brush mounted in said keepers.

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

AMBROSE K. BRETTELLE.

Witnesses:

T. M. WILLIAMS,

EDWARD B. HOLMBERG.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."