

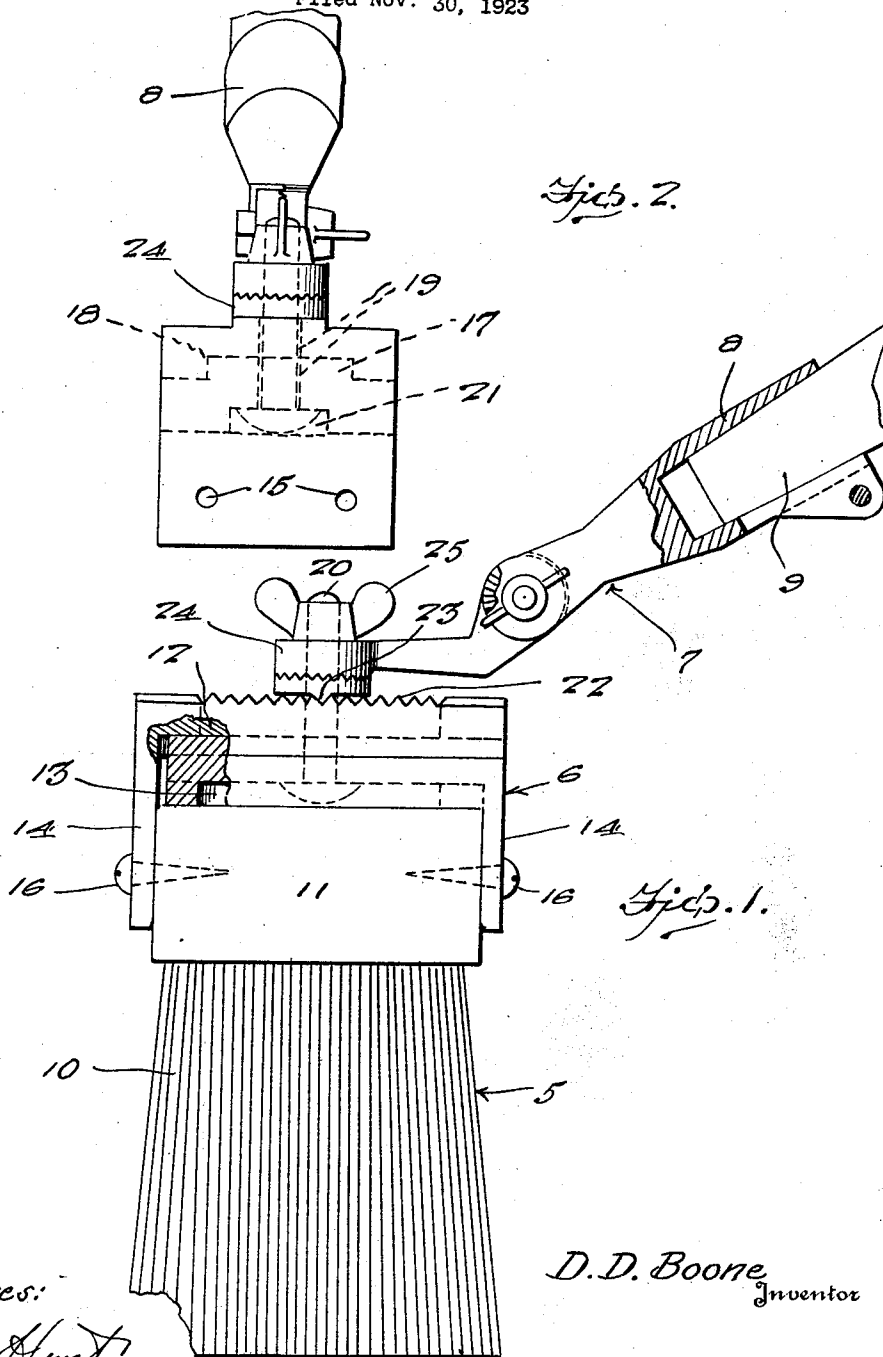
Feb. 10, 1925.

D. D. BOONE

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BROOM

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Witnesses:

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UNITED STATES PATENT OFFICE.

DANIEL DOVE BOONE, OF EAST BAKERSFIELD, CALIFORNIA, ASSIGNOR OF ONE-THIRD TO S. K. DICKINSON AND ONE-THIRD TO W. K. DICKINSON, BOTH OF EAST BAKERSFIELD, CALIFORNIA,

BROOM.

Application filed November 30, 1923. Serial No. 677,743.

To all whom it may concern:

Be it known that I, DANIEL DOVE BOONE, a citizen of the United States, residing at East Bakersfield, in the county of Kern and State of California, have invented certain new and useful Improvements in Brooms, of which the following is a specification.

This invention relates to an improvement in brooms and specifically to the push type of broom, the main object thereof being the provision of an article of this nature, wherein the broom head may be readily adjusted with respect to the handle for consequently allowing the broom bristles to be evenly worn out and for allowing a new broom head to be readily associated with the handle in a novel and quick manner.

A still further object of the invention resides in the provision of a broom of the push type wherein broom heads of greatly varying sizes may be advantageously used in conjunction with a single handle construction that forms an essential part of the present invention.

With the above and other objects in view as the nature of the invention will be better understood, the same comprises the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawing and claimed.

In the drawing wherein like reference characters indicate corresponding parts throughout both of the views,

Figure 1 is a side elevational view of a push broom constructed in accordance with the present invention, the handle receiving socket element thereof being partly disclosed in cross section, and

Figure 2 is a front elevational view thereof, the broom head being removed.

Now having particular reference to the drawing wherein there is shown the most practical embodiment of the present invention with which I am at this time familiar, the same comprises a head 5 of the conventional push broom type, a brush head clamp construction 6, and an adjustable arm member 7 adapted to be adjustably secured at one end to the clamp construction 6 and adapted to receive at its socketed end 8, the usual wooden handle 9, it being well to herein state that the essence of my invention merely includes the clamp construction 6 and adjustable arm member 7.

The head 5 comprises the usual bristles 10 set within a substantially rectangular shaped wooden block 11.

The clamp construction 6 comprises a pair of superposed plates 12 and 13 that are adapted to be slidably displaced in opposite directions when brush heads including block portions 11 of different sizes are used. These plates 12 and 13 are formed at their outer ends with pendant lugs or flanges 14 that are provided with a pair of openings 15, Figure 2, whereby the same may be secured to the block 11 through the medium of wood screws 16.

The lowermost plate 13 is as shown by the dotted lines in Figure 2, formed upon its top side with a longitudinal rib or key 17 for sliding engagement within a longitudinal keyway 18 formed upon the bottom face of the uppermost plate member 12 for obviously preventing any lateral displacement of these plates with respect to each other.

Further, each of these plates 12 and 13 is formed intermediate its ends with a relatively elongated slot 19 through which extends the shank of a headed and screw-threaded bolt 20 the head of this bolt being disposed within a longitudinal channel 21 upon the bottom side of the plate member 13, as more clearly shown in dotted lines in Figure 2.

The top side of the uppermost plate 12 is formed centrally intermediate its ends with longitudinal rows of serrations or teeth with which engage lugs 23 diametrically disposed upon the underside of a disk 24 that is formed with a central opening for allowing the shank of the bolt to extend therethrough. The top side of this disk is serrated and adapted for disposition thereon is a complementary disk 24 formed upon the front end of the before mentioned broom handle attachment arm designated generally 7. This disk 24 is also formed with an opening for positioning over the bolt 20, and after the same has been positioned in a manner as shown in Figures 1 and 2, and the arm 7 moved to the desired position with respect to the broom head, a wing nut 25 is screwed downwardly upon the bolt for obviously rigidly connecting the disks 23 and 24 as well as the plates 12 and 13.

The broom handle attachment arm 7 comprises as clearly shown in Figure 1, a pair

of adjustably related sections for allowing the broom handle 9 to be moved to the desired angle with respect to the broom head.

It will thus be seen that I have provided a highly novel and useful form of brush of the push type, and one that will, I believe meet with all of the requirements for a successful commercial use.

Minor changes may be made within the invention without departing from the spirit and scope of the appended claim.

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

In an article of the class described, a two-part clamp wherein the parts are provided at their outer ends with vertically disposed attaching flanges, the horizontal portions of

the said parts being arranged in overlapping and sliding relation, said overlapped parts being provided with elongated registered slots and with a coacting key and key-way, the upper side of the outer part of the clamp being provided on opposite sides of its slot with serrations forming teeth, a handle attaching member including relatively adjustable centrally apertured disks, the lower disk being provided with teeth adapted to be selectively engaged with the aforesaid teeth, a bolt passing through the slot and the central apertures in said disks, and a retaining nut threaded on the free end of the bolt.

In testimony whereof I affix my signature

DANIEL DOVE BOONE.