W. C. LAY.

BRUSH.

APPLICATION FILED JULY 11, 1917.

1,268,734. Patented June 4, 1918.

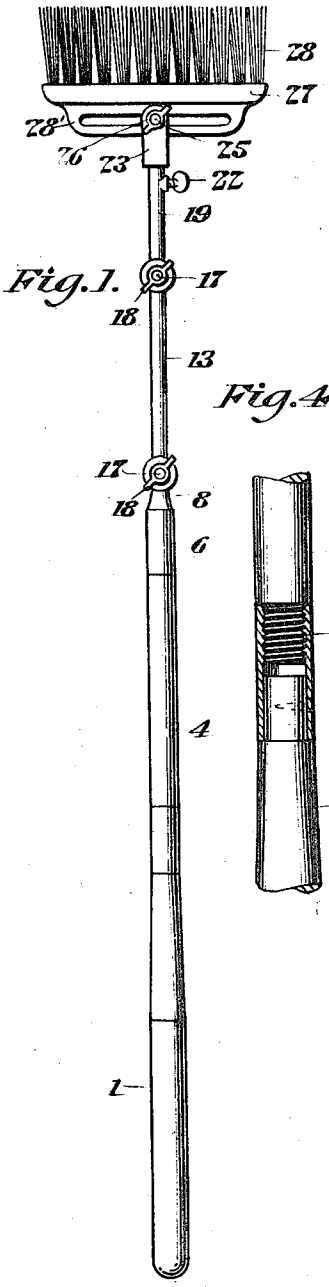

Fig. 1.

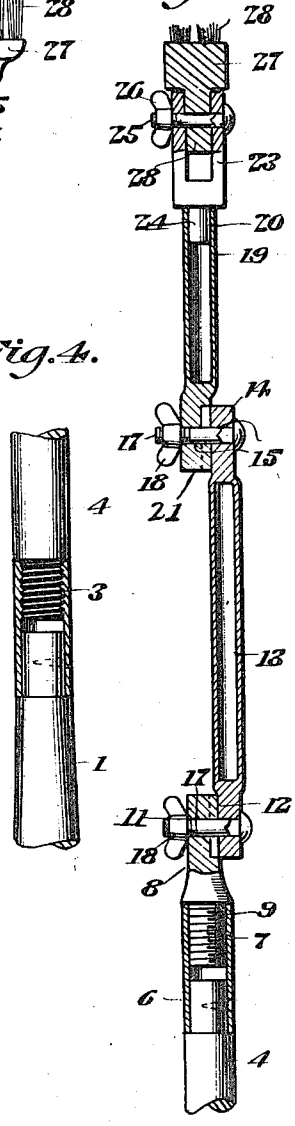

Fig. 3.

Fig. 4.

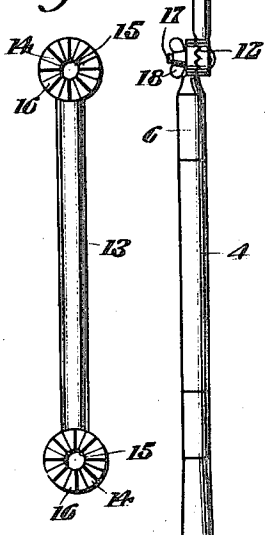

Fig. 5.

Fig. 2.

WITNESSES

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WILLIAM C. LAY, OF NACOGDOCHES, TEXAS.

BRUSH.

1,268,734. Specification of Letters Patent. Patented June 4, 1918.

Application filed July 11, 1917. Serial No. 179,946.

To all whom it may concern:

Be it known that I, WILLIAM C. LAY, a citizen of the United States, residing at Nacogdoches, in the county of Nacogdoches and State of Texas, have invented new and useful Improvements in Brushes, of which the following is a specification.

My invention relates to brushes and has for its objects; first, to provide a brush having an adjustable handle whereby the brush may be put to a great variety of uses, second, to provide a brush having a quickly adjustable handle whereby a great saving of time and labor results in adjusting the handle.

A further object of my invention is to provide an adjustable brush handle of a durable nature and which is not excessively heavy.

With these and other objects in view my invention resides in the novel construction and combination of parts hereinafter described and particularly pointed out in the claim.

I attain these objects of my invention by the mechanism illustrated in the accompanying drawings, in which:—

Figure 1 is a side elevation of a brush embodying my invention,

Fig. 2 is a top plan view of the mechanism illustrated in Fig. 1.

Figs. 3, 4, and 5 are detail views of various parts of the brush hereinafter described.

Like characters of reference indicate like parts in the various views.

In the drawings 1 designates the handle of the brush. The lower end of the handle is shaped conveniently to be grasped by the hand. A ferrule is affixed to the upper end of the handle and extends beyond the end of the handle, and the upper portion of the hole therein is threaded, as designated at 3, for purposes hereinafter described. An extension handle 4 is provided having its lower end screw threaded to engage the threaded hole 3, and has a ferrule 6 affixed to its upper end which has an upwardly extending end with a threaded hole therein as designated at 7. The threaded holes 7 and 3 are the same size for purposes hereinafter described. The screw threaded lower end of extension handle 4 is adapted to screw into the threaded hole 3. A head 8 is provided having an extension 9 therefrom screw threaded and adapted to engage either the hole 7 or the hole 3. The end of said head has a hole 11 formed therein and has a surface 12 disposed perpendicularly to said hole. The surface 12 has radially disposed notches formed thereon at regular intervals. A link 13 is provided having enlarged ends in which are formed holes 15. Surfaces 16 are formed on the ends 14 and are disposed perpendicularly to the holes 15. The surfaces 16 have radially disposed notches formed therein at regular intervals. One end of the link 13 engages the notched surface 12 of head 8 with its notched surface, a screw 17 passing through the holes thereof, and the said parts are clamped together by the nut 18 screw threaded upon said screw 17. A socket head 19 is provided having a longitudinal socket 20 at one end and a head 21 formed at the other end. A threaded boss is provided on the socket and a thumb screw 22 is screw threaded therein and adapted to project its joint within the inclosure of the socket. The head 21 is formed similarly to the other heads and has a radially notched surface disposed perpendicularly to a hole therein. The head 21 engages the notched surface of the other end of link 13 with its notched surface, and a screw 17 passes through the holes of said parts and a nut 18 screw threaded upon the screw 17 clamping the parts together. A clevis 23 is provided having a cylindrical end 24 adapted to engage the socket 20 and be secured therein by the thumb screw 22. Near the other end of the clevis a screw 25 engages holes in the arms thereof and a nut 26 is screw threaded upon said screw 25 and is adapted to clamp the aforesaid ends of the clevis together. A brush body 27 is provided having bristles 28 secured thereto in the usual manner. Upon the back surface of said brush body an apertured projection 28 is provided having parallel sides and a longitudinal slot formed therein and extending almost throughout the length of the projection. The branched ends of the clevis engage the sides of the apertured projection and the screw 25 passes through the slot in the assembly of the brush.

The aforementioned notched surfaces of the joints which contact each other are formed so that the projections between the notches of each surface engage the notches of the opposing surface and when clamped together by means of the screws 17 and nuts 18 form a fixed connection. The notches as hereinbefore described are disposed at regu-

lar intervals so that the projections and notches of the opposed surfaces will correspond with each other in a variety of positions whereby said joints may be adjusted to extend the connected parts in any desired direction.

The extension handle 4 may be dispensed with and the handle 1 may be screwed directly upon the head 8 when so desired. By the above described construction it will be noted that a brush is provided having a handle of such an adjustable character that almost any point desired may be reached with the brush.

Having thus fully described my invention, I claim:—

A brush having an extension formed with a slot, said slot extending lengthwise the brush and of a length approximating the length of the brush, and a handle made up of separable sections and adapted for relative angular adjustments, said handle including a connection adapted for sliding and locking connection with the slot formation of the brush, and for a rotary locking connection with the handle proper, whereby the handle proper may be arranged so that its sections may have any angular adjustment either to the width, length, or intermediate position of the brush and at either end or any intermediate length of the brush.

In testimony whereof I affix my signature.

WILLIAM C. LAY.