

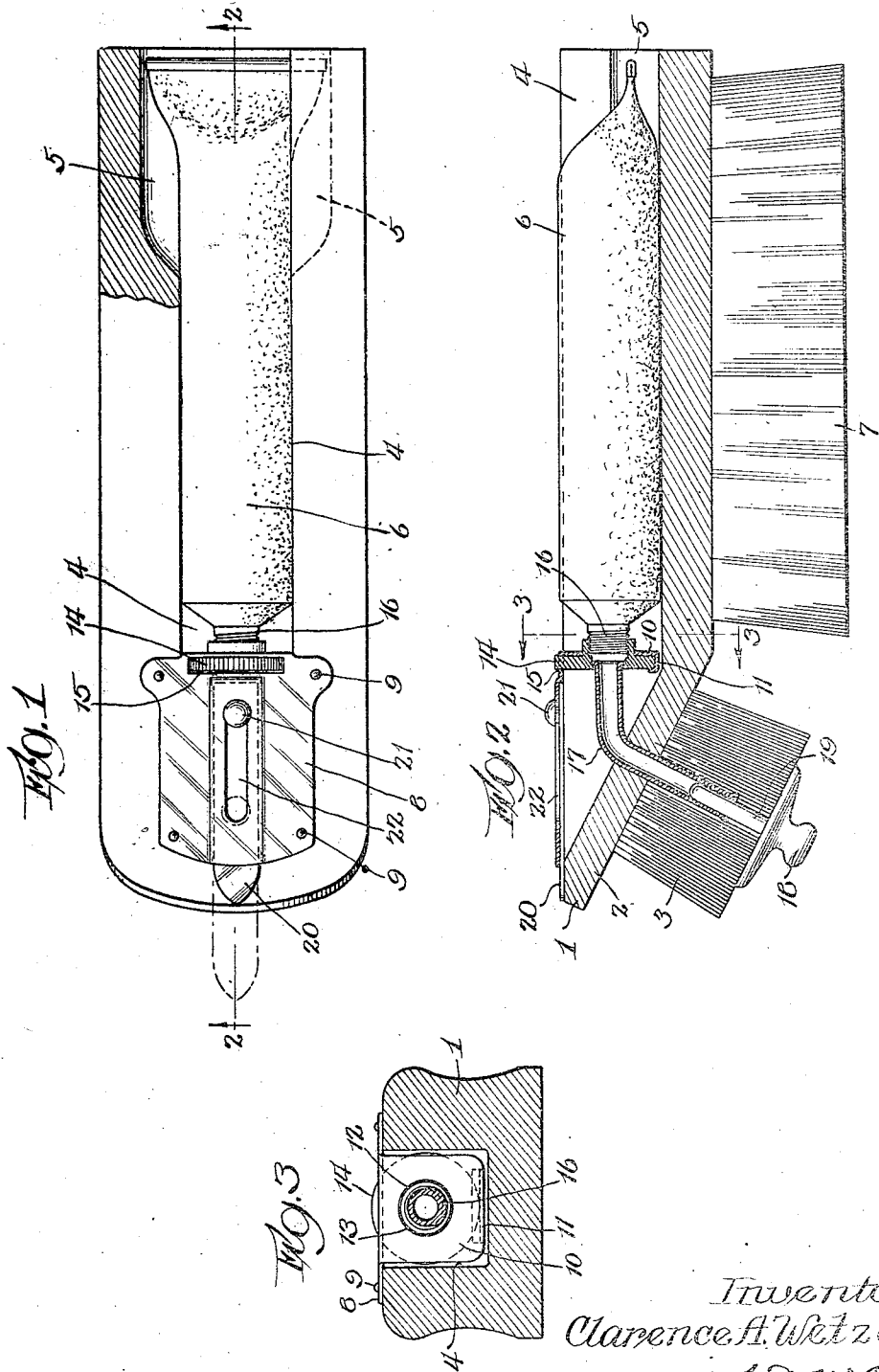
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C. A. WETZELL

FOUNTAIN BRUSH OR DAUBER

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Inventor
 Clarence A. Wetzell
 W. Arthur H. Durand
 Atty.

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CLARENCE A. WETZELL, OF STERLING, ILLINOIS.

FOUNTAIN BRUSH OR DAUBER.

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To all whom it may concern:

Be it known that I, CLARENCE A. WETZELL, a citizen of the United States, and resident of Sterling, Whiteside County, Illinois, have
5 invented a certain new and useful Improvement in Fountain Brushes or Daubers, of which the following is a specification.

This invention relates to fountain brushes in general, but more particularly to shoe
10 brushes, and especially those in which some provision is made for feeding the shoe paste or other substance from a collapsible tube.

Generally stated, the object of the invention is to provide a novel and improved fountain
15 brush or dauber or other similar device of the foregoing general character.

Special objects are to provide improved means for connecting the collapsible tube which contains the paste or other substance
20 with the feed tube by which the substance is fed to the brush or dauber; to provide an improved construction arrangement for so combining the collapsible tube with the handle of the brush that the said tube is flush
25 with the top of the handle and is practically concealed therein, said handle being the back of the brush; to provide an improved construction and arrangement whereby the metal plate which holds the tube coupling
30 in place serves also as a guide for a scraper which can be projected into position to clean the shoes; and to provide certain details and features of construction tending to increase the general efficiency and the desirability of
35 a fountain brush or dauber of this particular character.

To these and other useful ends the invention consists in matters hereinafter set forth and claimed and shown in the accompanying
40 drawings in which—

Figure 1 is a plan or top view of a fountain shoe brush embodying the principles of the invention, showing a portion of the back or handle in section to show the construction.
45

Figure 2 is a longitudinal section on line 2—2 in Figure 1.

Figure 3 is a transverse section on line 3—3 in Figure 2.

As thus illustrated, the invention comprises a block of wood 1 which is bevelled at 2 at one end to receive the bristles 3 of the shoe dauber. The top or back of said block is provided with a longitudinal groove
55 or channel 4, which latter is widened at 5 to receive the spread at the end of the col-

lapsible tube 6 which contains the paste or other substance. It will be seen that the groove or channel 4 is deep enough to bring the top of the tube flush with the handle or
60 back of the wood forming the back of the brush 7 for polishing the shoes. The sheet metal plate 8 is secured flatwise in place, as by screws or tacks 9, upon the top of the block 1, and has a vertical end portion 10
65 which is turned up at its lower end to form a transverse channel 11 at the bottom of the groove 4 previously mentioned. This vertical portion 10 is also provided with a central opening 12 to receive the cylindrical hub portion 13 of the rotary thumb-piece or wheel
70 14 which is held in the slot 15 in the top of the plate 8, and also in the channel 11, whereby a rotary coupling which is held against axial displacement is provided. 75
Thus the thumb-piece 14 forms a means at the top of the body to operate the coupling while the tube 6 remains stationary. It will be seen that the central opening in the hub 12 and the thumb-piece 14 is screw-threaded
80 for a distance to receive the threaded neck 16 of the collapsible tube 6, and a feed tube 17 has a swivel connection with said thumb-piece 14 at the other side thereof, whereby
85 rotation of this thumb-piece will draw the threaded neck tightly into place against the tube 17, thus forming a tight joint. The feed tube 17, it will be seen, is deflected downward centrally in the dauber 3, and a
90 closure 18 is provided with a plug 19 for insertion in the tube 17 to prevent the paste or other substance from escaping when the device is not in use. The flange of the closure 18, it will be seen, serves to prevent the
95 fingers from coming in contact with the dauber, when the knob is gripped to remove or replace the plug. It will be seen that the plate 8 has a raised portion forming a guide for the metal scraper 20, which latter has a headed pin 21 which slides in the slot 22,
100 whereby the scraper 20 can be projected (as shown in dotted lines) for use in scraping the mud off from the edges of the shoes.

From the foregoing it will be seen that the tube of paste 6, or other substance, depending upon the exact use or purpose contemplated for the brush or dauber, can be
105 slipped in endwise into the groove or channel 4, until the neck 16 engages the hub 13 of the coupling, and by then rubbing the thumb
110 over the top of the thumb-piece 14, in a manner that will be readily understood, this

coupling can be rotated to tightly draw the neck 16 into engagement with the feed tube 17, as previously explained, and by then withdrawing the plug 19 the brush or dauber is in condition for use. Pressure of the thumb on the rear end of the tube 6 will force the paste or other substance through the tube 17 and into the brush or dauber 3, and the latter can then be rubbed over the shoes, in the usual way, and afterwards the brush 7 can be used to shine or polish the shoes. No twisting of the tube 6 is necessary, inasmuch as the rotary coupling formed by the thumb-piece and its hub 13 serves this purpose very easily and very conveniently, and in this connection it will be seen that the plate 8 has the double function of not only holding the swivel coupling in place, but also of forming a guide for the extensible scraper 20 previously mentioned.

While it is stated that the block 1 is of wood, it will be understood that any suitable material can be used for this purpose, and by wood is meant material which can be cut and worked and used like wood or any other fibrous or similar material. The invention is not limited to the exact construction shown and described.

Thus the plate 8 and the rotary coupling and the scraper 20 form a unitary organization, said plate having the double function of supporting both the coupling and the scraper. The beveled portion of the body for the dauber 3 is below the plate 8, and in such relation to the brush 7 that either the dauber or the brush can be used by one and the same handle, this handle or back 1 being common to all the other elements supported thereon. The widened portion 5 of the groove 4 provides a thumb place where the thumb can be placed on the end of the collapsible tube 6 to hold it in position while the coupling is being rotated to fasten the tube in place, or for the removal of the collapsible tube. The flange 4 of the coupling, which extends through the slot 15, serves as a means rigid with the coupling for the rotation thereof.

Thus the collapsible tube 6 is coupled to a fixed portion of the device, such as the fixed tube 17, by an intermediate movable part, which intermediate movable part is preferably a screw coupling, but may be of any suitable character.

As a feature of new organization and arrangement, the plate 8 serves as a guide for the scraper and as a bearing for the coupling, so that it has the double function of forming both the guide for the scraper and a bearing for the screw coupling by which the tube of paste or other material or substance is held in place. As another novel feature of organization and arrangement the block 1 forms a back for the brush 7, and has the double function of serving as a handle for both said brush and the dauber

3, the said back or handle being common to said brush and dauber. Moreover, as the tube 17 is fixed in relation to the block 1, and is not movable to cut off the supply of paste or other material, and inasmuch as the screw threaded coupling and other elements are incapable of cutting off the supply of paste, the plug 19 is a useful or desirable element of the general combination and organization, and is inserted through the dauber and into the end of the tube to prevent escape of the paste or other substance therefrom.

From the foregoing, therefore, it will be seen that the dauber 3 and the scraper 20 are each operable by one and the same handle formed by the body 1 of the device or fountain brush as a whole. The plate 8 is essential to the application of the shoe polish by the dauber 3, and is essential to the use of the scraper 20 on the shoe, and the single handle afforded by the body 1 is thus common to both instrumentalities, and is sufficient for either purpose. Thus the scraper and the dauber are carried by a handle which is common to both of them, and which handle is also equipped with a brush 7, so that the three instrumentalities have the said handle in common. The device, therefore, is a combined shoe dauber and scraper. Also the device, of course, is a combined shoe dauber and polishing brush. Again, the device as a whole is a combined shoe brush and scraper and polishing brush. In each case the dauber is preferably a fountain dauber.

Without disclaiming anything, and without prejudice to any novelty disclosed, what I claim as my invention is—

1. In a device of the class described, the combination and organization of a body serving as a handle and forming the back of the device, having a groove therein, a collapsible tube of material disposed longitudinally in said groove, said groove being of a depth and length to fully protect said tube, so that the handle formed by said body can be grasped without squeezing the tube, a dauber on the under side of said body, a feed tube for said dauber, mounted in fixed position relatively to said body, a rotary screw coupling for connecting the collapsible tube to said feed tube, operable while the collapsible tube is held against rotation in said groove, so that the collapsible tube and the fixed feed tube are coupled together by an intermediate movable part, means fixed in position for supporting said coupling against axial displacement, forming a bearing for rotation of the coupling therein, and means disposed in position to normally operate said coupling, whereby the coupling is rotatable to connect and disconnect the collapsible tube.

2. A structure as specified in claim 1, said coupling and means for rotating it compris-

ing an internally threaded hub adapted to receive the threaded neck of the collapsible tube, having a thumb wheel rigid therewith, forming said manual means of rotation, and
5 said supporting means having a slot to expose said wheel and forming a bearing to support said rotary hub and its wheel in position to receive the threaded neck of the collapsible tube.

10 3. A structure as specified in claim 1, said groove being widened at the outer end thereof to receive the gradually increasing spread of said collapsible tube, as the rear end of the latter is compressed to squeeze
15 out the paste or other substance, the groove holding the front end of the tube against lateral displacement, and said widened portion providing a place for thumb pressure on the end of the collapsible tube while said
20 coupling is being operated by the the other hand.

4. In a device of the class described, the combination and organization of a body forming a handle and back for the device,
25 having a groove therein, a collapsible tube of substance disposed longitudinally in said groove, a dauber on the under side of said body, a fixed feed tube leading to said dauber, a rotatable screw coupling to connect the
30 collapsible tube to the said feed tube, a supporting means comprising a sheet metal plate having a portion forming a bearing

for said rotary coupling and secured on top of said body and having a portion extending into said groove to form said bearing, 35 and means to hold the bearing in fixed position on said body.

5. In a device of the class described, the combination and organization of a body forming a handle and back for the device, 40 having a groove therein, a collapsible tube of substance disposed longitudinally in said groove, a dauber on the under side of said body, a fixed tube leading to said dauber, held rigid with said body, a rotatable screw 45 coupling to connect the collapsible tube to the said feed tube, whereby the fixed tube and the collapsible tube are coupled together by an intermediate movable part, a sheet metal supporting means forming an end 50 wall for one end of said groove, to support said rotary coupling, forming a swivel bearing to hold the rotary coupling against axial displacement, said feed tube being disposed with one end thereof in said coupling, forming 55 another swivel, and means to hold the bearing in fixed position on said body, so that the top of said body is practically flat and flush all over, said support being formed to expose a portion of said coupling at the 60 top of said device, thereby to permit manual rotation of the coupling.

CLARENCE A. WETZELL.