No. 753,125. PATENTED FEB. 23, 1904.

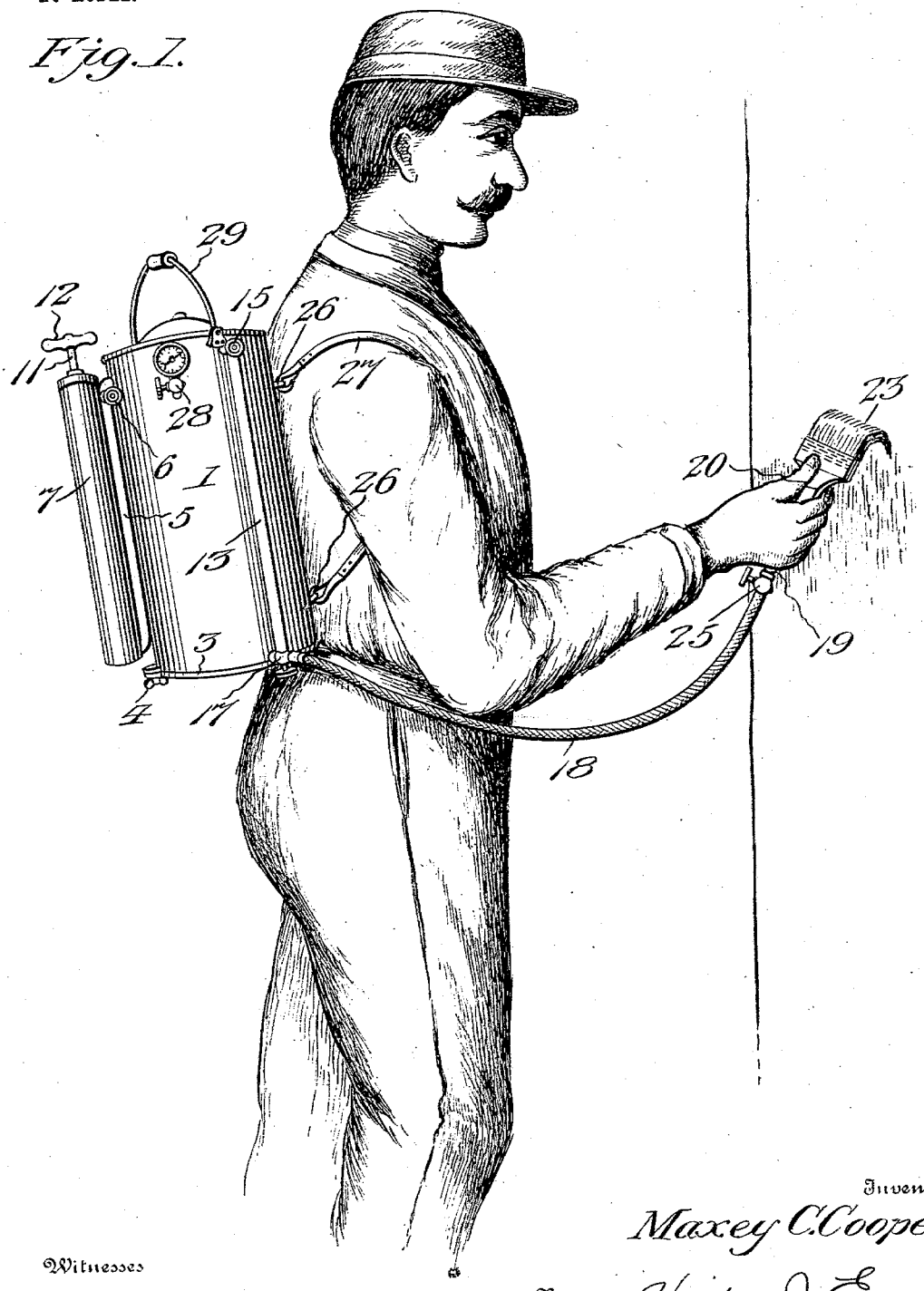
M. C. COOPER.

PAINTING BRUSH.

APPLICATION FILED OCT. 7, 1903.

NO MODEL. 2 SHEETS—SHEET 1.

Fig. 1.



Witnesses

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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

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APPLICATION FILED OCT. 7, 1903.

NO MODEL. 2 SHEETS—SHEET 2.

Fig. 2.

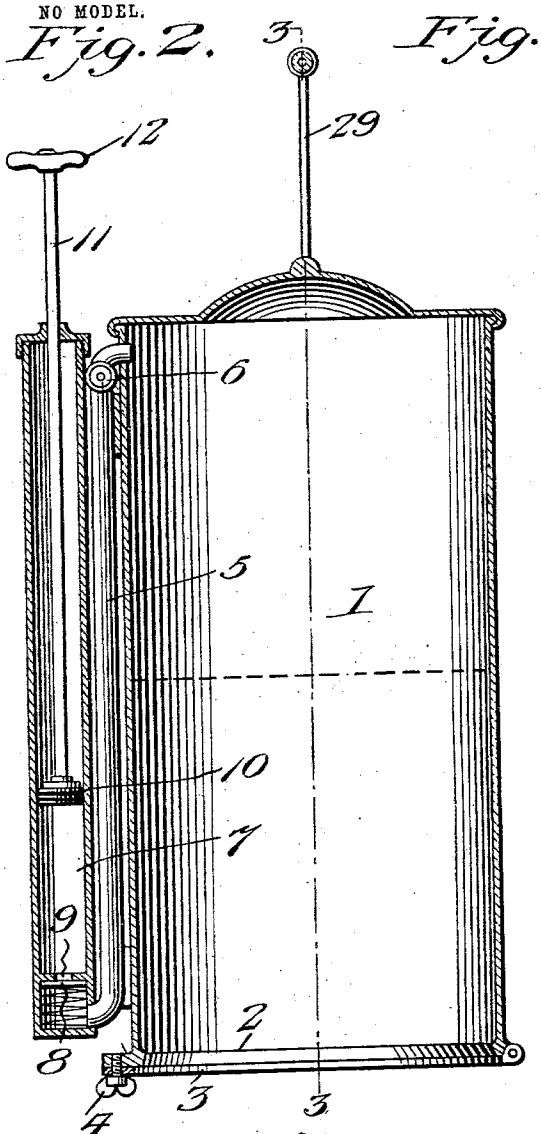


Fig. 3.

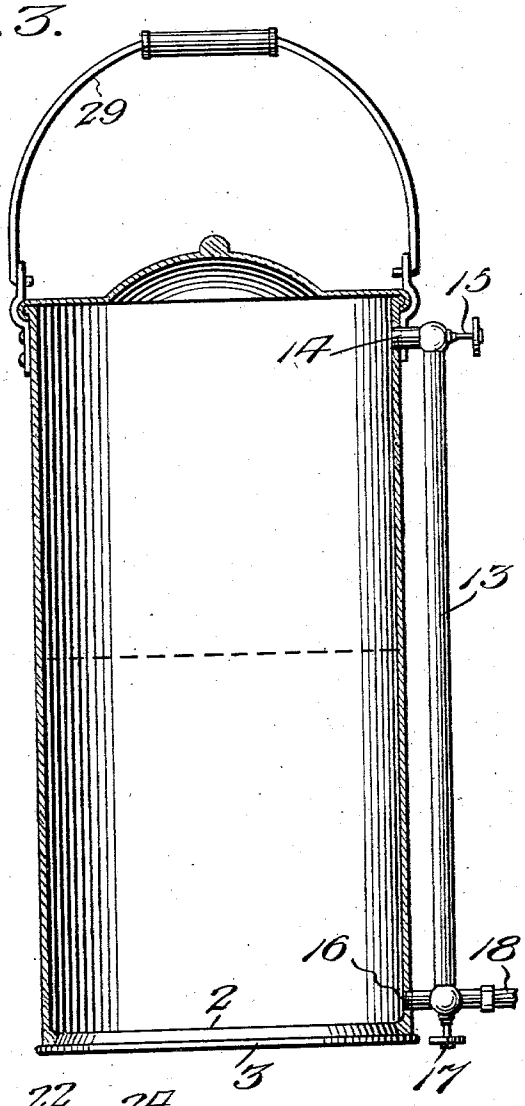
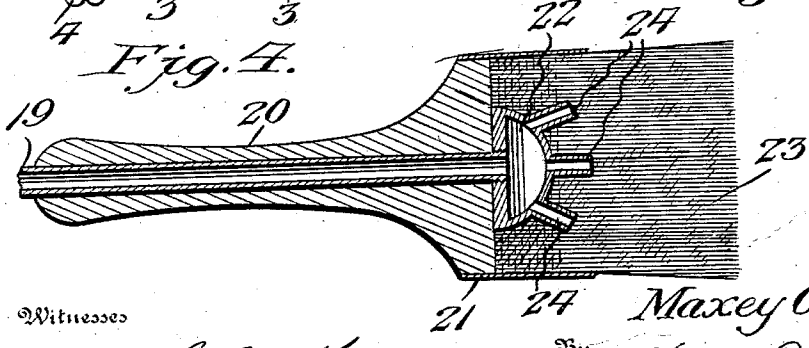


Fig. 4.



Witnesses

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No. 753,125. Patented February 23, 1904.

UNITED STATES PATENT OFFICE.

MAXEY C. COOPER, OF SELMA, ALABAMA.

PAINTING-BRUSH.

SPECIFICATION forming part of Letters Patent No. 753,125, dated February 23, 1904.

Application filed October 7, 1903. Serial No. 176,102. (No model.)

To all whom it may concern:

Be it known that I, MAXEY C. COOPER, a citizen of the United States, residing at Selma, in the county of Dallas and State of Alabama, have invented new and useful Improvements in Painting-Brushes, of which the following is a specification.

My invention relates to new and useful improvements in fountain-brushes; and its object is to provide a brush of this character which is connected to a tank adapted to be carried by the operator. The tank is provided with means whereby the contents thereof can be placed under pressure, so as to be automatically fed to the brush when the same is in use.

With the above and other objects in view the invention consists in the novel construction and combination of parts hereinafter more fully described and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the brush connected to its tank. Fig. 2 is an enlarged vertical section through the tank. Fig. 3 is a section on line 3 3, Fig. 2, and Fig. 4 is a central longitudinal section through the brush.

Referring to the figures by numerals of reference, 1 is a tank of any suitable construction, having an inlet 2 in the bottom thereof, which is normally closed by a cap 3. This cap is adapted to be fastened in closed position by means of a thumb-screw 4 or any other suitable device provided therefor. Extending longitudinally upon one face of the tank is an air-inlet pipe 5, which opens into the upper end of the tank and is provided with a valve 6, whereby the passage of air through the pipe may be prevented. The lower end of the pipe 5 opens into one end of a pump-cylinder 7, having a spring-pressed valve 8, which normally closes the outlet 9 from the cylinder. A piston 10 is arranged within the cylinder 7 and is connected by means of a rod 11 with a suitable handle 12. A second pipe 13 is arranged upon the side of receptacle 1 and communicates at its ends with the opposite ends of said receptacle. The upper inlet 14 of said pipe is adapted to be closed by means of a valve 15, and the lower inlet 16 has a valve 17 therein for closing the same. A flexible tube 18 is connected to the lower end of pipe 13 and is of any suitable length. This tube is connected to a tube 19, which is arranged within the handle 20 of a brush 21. The tube 19 extends longitudinally through the handle 20 and is detachably connected at its outer end with a receptacle 22, located between the tufts of bristles 23, forming the body of the brush. Outlet-tubes 24 project from this receptacle and serve to distribute among the bristles the liquid discharged from receptacle 22. A valve 25 is arranged within the tube 19 at a point where it may be conveniently reached by the operator. Eyes 26 are arranged on the receptacle 1 at suitable points and are connected to straps 27, which are adapted to be placed around the shoulders of the operator. A gage 28 of any suitable construction is arranged upon the receptacle for indicating the pressure therein. A bail 29 is connected to the receptacle and by means thereof the device can be readily carried.

In using the apparatus herein described the valves 25, 17, and 15 are closed, while the valve 6 is opened. The closure 3 is then removed from inlet 2 and the receptacle 1 is inverted and partly filled with the liquid to be supplied to the brush. The closure 3 is then secured over the inlet and the receptacle returned to normal position. Subsequent to this operation air is forced from the cylinder 7 through the pipe 5 and into receptacle 1 by reciprocating the piston 10. It will be understood that the valve 8 will prevent the air from returning to the cylinder 7 after it has once been discharged therefrom. After a desired pressure has been formed within the receptacle the apparatus is secured upon the back of the operator by means of the straps 27. The valves 17 and 25 are then opened and the liquid will flow outward through the pipe 16 and valve 17 to the tube 18 and will be discharged into the receptacle 22, from which it will be distributed through the body of the brush by the outlet-tubes 24. Should it be necessary at any time to clear said tube 18 of old paint or liquid contained within it, it is merely necessary to open the valve 15, so as to allow the air to blow the material outward.

It will be seen that the device herein described is extremely simple and inexpensive

in construction, can be readily carried, and keeps the brush employed continually supplied with liquid.

In the foregoing description I have shown the preferred form of my invention; but I do not limit myself thereto, as I am aware that modifications may be made therein without departing from the spirit or sacrificing the advantages thereof, and I therefore reserve the right to make such changes as fairly fall within the scope of my invention.

Having thus fully described my invention, what I therefore claim, and now desire to secure by Letters Patent, is—

1. In an apparatus of the character described, the combination with a brush comprising bristles and a tubular handle; of a tubular inlet extending through the handle, a receptacle detachably connected to said inlet and inclosed by the bristles and distributing-tubes extending from the receptacle at different angles, said tubes being inclosed by the bristles.

2. In an apparatus of the character described, the combination with a brush comprising a handle and bristles secured thereto; of an inlet-tube extending through the handle, a non-resilient receptacle detachably secured to said tube and inclosed by the bristles, said receptacle having a curved end, and distributing-tubes extending from said end at different angles, said tubes being inclosed by the bristles.

3. In an apparatus of the character described, the combination with a brush comprising a handle and bristles secured thereto; of an inlet-tube extending through the handle, a non-resilient receptacle detachably secured to said tube and inclosed by the bristles, said receptacle having a curved end, distributing-tubes extending from said end at different angles, said tubes being inclosed by the bristles, a flexible tube connected to the inlet-tube and means for supplying liquid to said tubes.

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

MAXEY C. COOPER.

Witnesses:
H. F. COOPER,
R. S. CAROTHERS.