No. 741,432. PATENTED OCT. 13, 1903.

G. T. ALLEN.

OILER.

APPLICATION FILED JAN. 7, 1903.

NO MODEL. 2 SHEETS—SHEET 1.

FIG. 4.

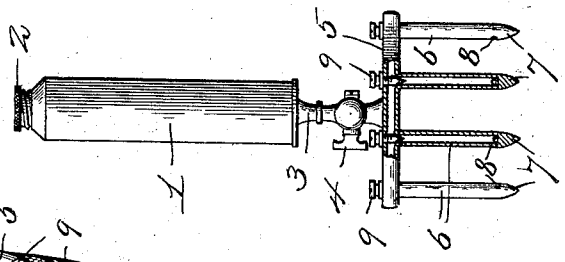


FIG. 3.

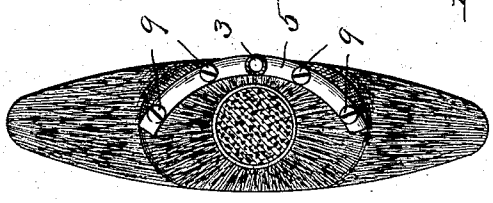
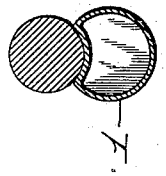


FIG. 5.



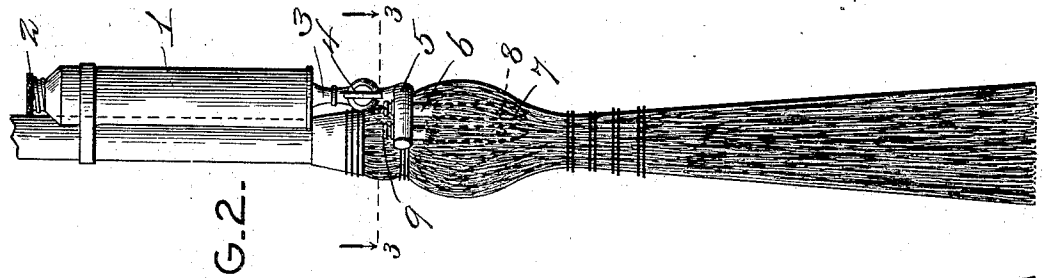


FIG. 2.

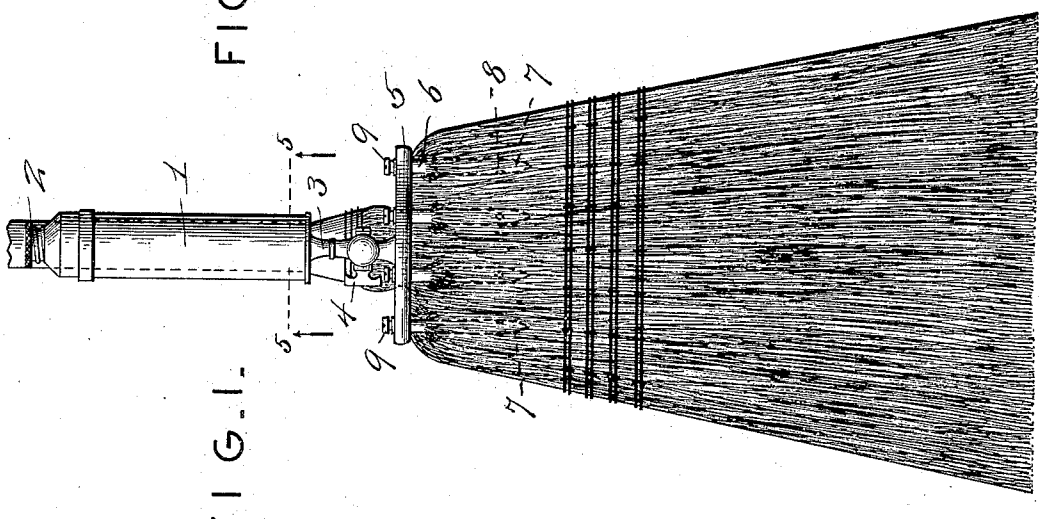


FIG. 1.

Witnesses

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Inventor

George T. Allen.

By Victor J. Evans

Attorney

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NO MODEL. 2 SHEETS—SHEET 2.

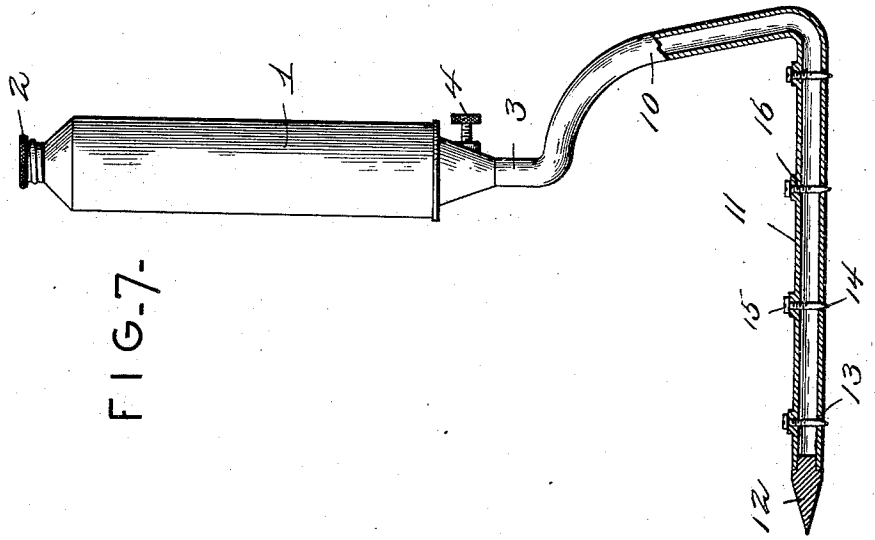


FIG. 7.

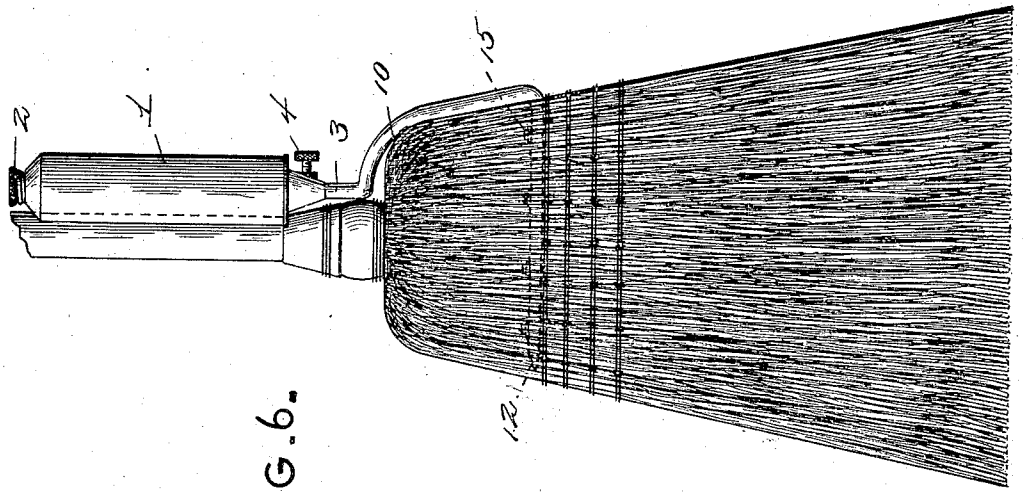


FIG. 6.

Witnesses

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No. 741,432. Patented October 13, 1903.

UNITED STATES PATENT OFFICE.

GEORGE T. ALLEN, OF DALLAS, TEXAS.

OILER.

SPECIFICATION forming part of Letters Patent No. 741,432, dated October 13, 1903.

Application filed January 7, 1903. Serial No. 138,170. (No model.)

To all whom it may concern:

Be it known that I, GEORGE T. ALLEN, a citizen of the United States, residing at Dallas, in the county of Dallas and State of Texas, have invented new and useful Improvements in Oilers, of which the following is a specification.

My invention relates to new and useful improvements in oiling attachments for brooms; and its object is to provide a simple and inexpensive device which may be readily attached to a broom of ordinary construction and which will supply oil thereto in any desired quantities.

The invention consists in providing a tank adapted to be strapped or otherwise secured to the handle of the broom and to which is secured a distributing-tube having outlets within the broom, each of said outlets being controlled by a valve whereby the quantity of oil discharged therethrough may be readily regulated.

The invention also consists in the novel construction and arrangement of the several parts, which will be more fully hereinafter described and claimed.

In the drawings, Figure 1 is a front elevation of a broom having my improved attachment thereon. Fig. 2 is a side elevation thereof. Fig. 3 is a section on line 3 3 of Fig. 2. Fig. 4 is a detail view of the attachment, the central portion thereof being in section to show the arrangement of valves therein. Fig. 5 is a section on line 5 5 of Fig. 1. Fig. 6 is a front elevation of a modified form of the attachment, and Fig. 7 is a detail view thereof.

Referring to the figures by numerals of reference, 1 is a tank of suitable construction having an inlet 2 at the upper end thereof and at outlet-pipe 3 at the lower end, said pipe having a suitable valve 4, whereby the flow of the contents of receptacle 1 therefrom may be readily regulated. To the lower end of pipe 3 is secured a preferably curved distributing-pipe 5, upon which are arranged downwardly-extending tubes 6, having sharpened tips 7, screwed or otherwise secured to the lower ends of the tubes. An aperture 8 is formed within each of the tubes 6, near the lower end thereof, and the upper end of each tube is adapted to be closed by the tapered end of a screw 9, mounted within the distributing-pipe 5.

In operation the receptacle 1 is filled with oil and then strapped or otherwise secured to the handle of a broom. The tubes 6 are inserted into the head of the broom from the end thereof nearest the handle. Valve 4 is then opened, and the screws 9 are adjusted so as to permit desired quantities of oil to escape through the tubes 6 and into the broom-head. As the heads of the screws 9 are arranged above the head of the broom, it will be seen that the flow of oil may be readily adjusted at any time without removing the attachment from the broom.

In Figs. 6 and 7 I have shown a modified form of the attachment which is a much simpler construction than that heretofore described, but which is substantially similar in operation. In this form of device the outlet-tube 3 is connected to a curved tube 10, which extends laterally and downwardly from the outlet-tube and communicates with one end of a distributing-tube 11, having a sharpened plug 12 at its free end. Apertures 13 are formed within the lower surface of this tube and are adapted to receive the tapered ends 14 of screws 15, the threaded portions of which engage threaded apertures 16, formed in the upper side of tube 11. To apply this modified attachment to the broom-head, it is necessary to insert the tube 11 with its sharpened end 12 foremost into the side of the broom-head; but before so doing it is necessary to adjust the screws 15 so as to obtain the desired flow of oil through the apertures 13.

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 or alterations as fairly fall within the scope of my invention.

Having thus described the invention, what is claimed as new is—

1. A broom attachment comprising a tank, a distributing-pipe connected thereto, tubes depending from said distributing-pipe and having sharpened ends, an outlet being formed within each of the tubes and said tubes serv-

ing to support the tank in position above a broom-head, and screws adjustably mounted within the distributing-pipe adapted to regulate the passage of liquid through the tubes.

2. A broom attachment comprising a tank, a distributing-pipe connected thereto, and non-flexible tubes depending therefrom and having outlets, said tubes being adapted to engage the head of a broom and hold the tank rigidly against the handle of said broom.

3. The combination with a broom-head and a handle therefor; of a tank, a valved distributing-pipe connected therewith and extending across the end of the head nearest the handle, non-flexible tubes depending from the distributing-pipe, and projecting longitudinally into the head and having outlets therein, said tubes serving to hold the tank against the handle, pointed tips in the ends of the tubes and a valve in each tube.

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

GEORGE T. ALLEN.

Witnesses:
W. S. McCRAY,
S. E. McILHENNY.