(No Model.)

E. DUNDON.

SELF SPRINKLING BROOM.

No. 592,282. Patented Oct. 26, 1897.

Fig. 1.

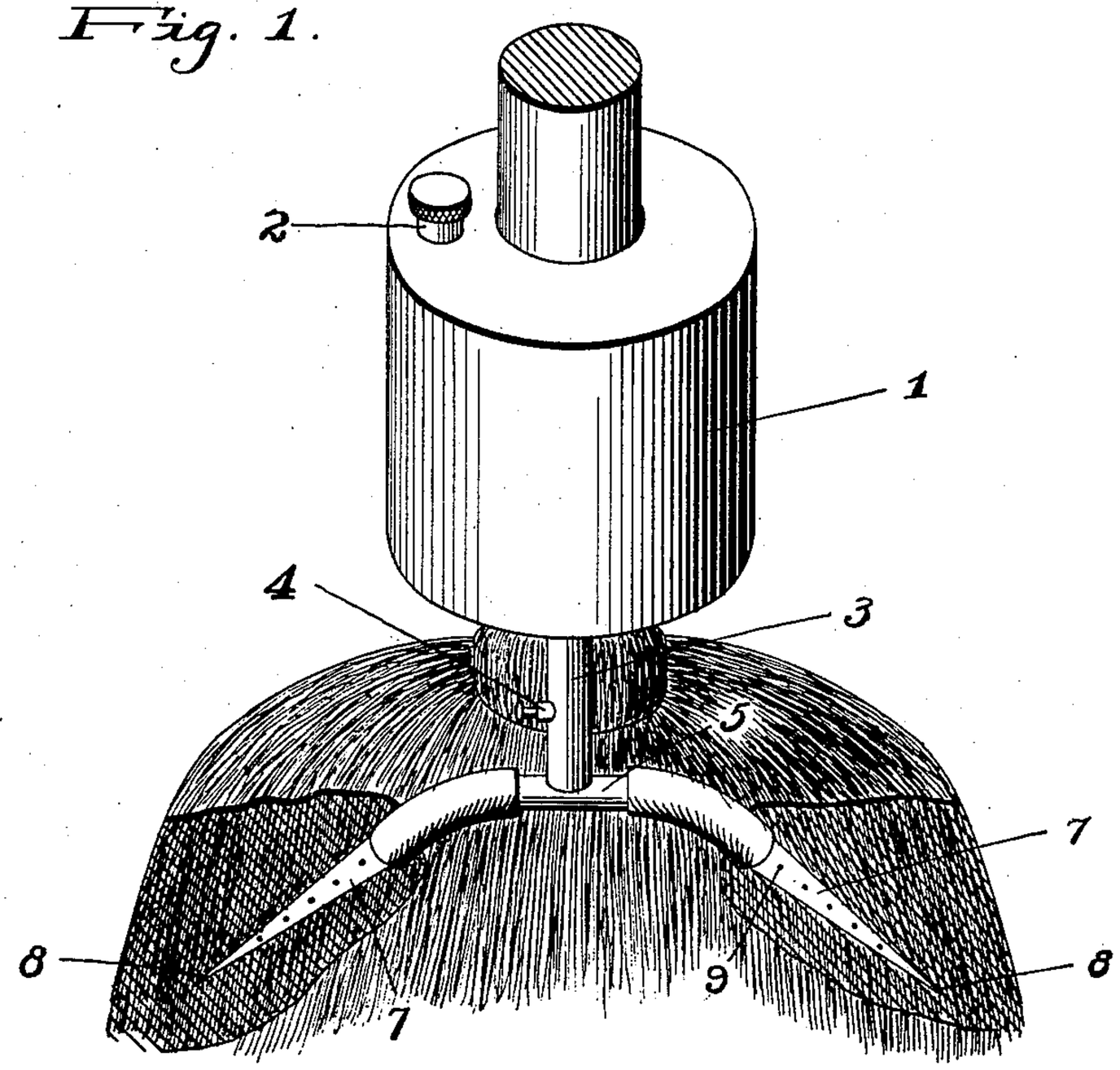
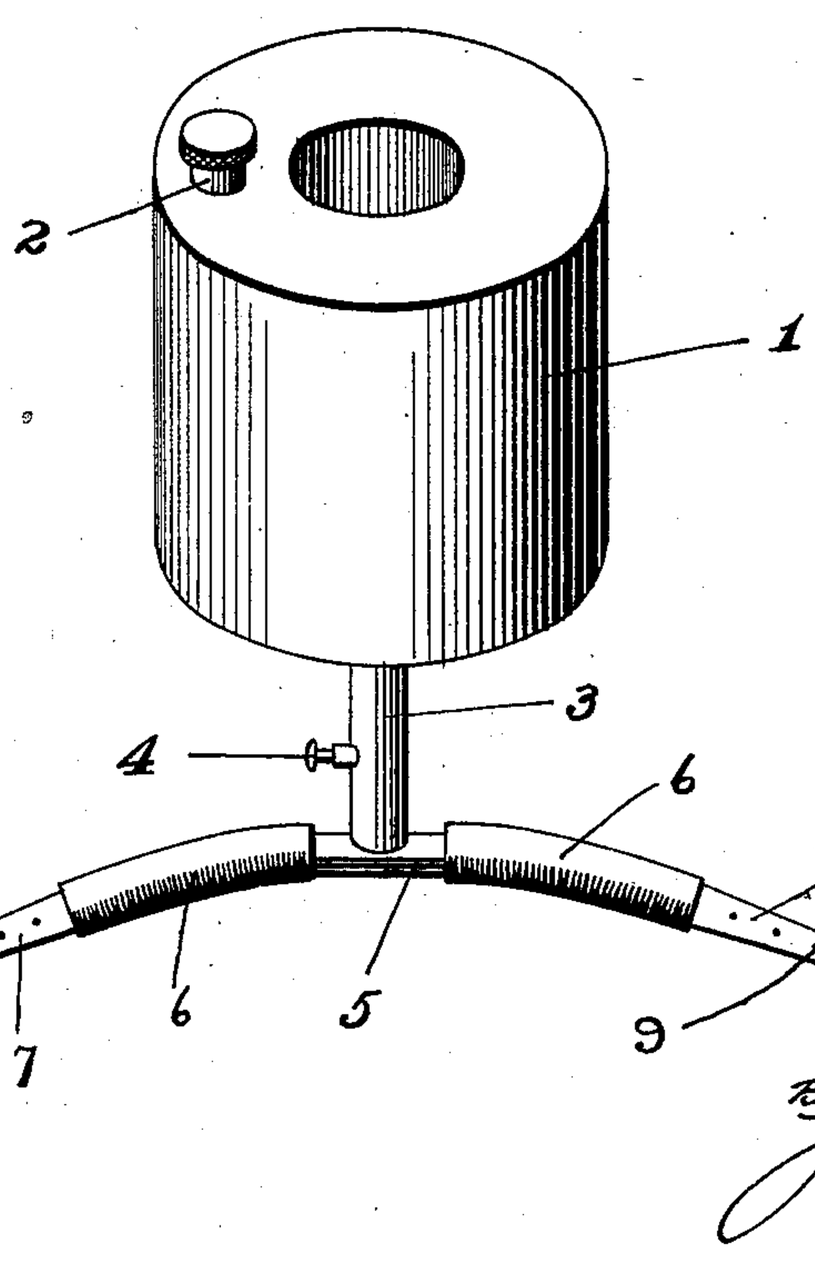


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

EDWARD DUNDON, OF FORT LEAVENWORTH, KANSAS.

SELF-SPRINKLING BROOM.

SPECIFICATION forming part of Letters Patent No. 592,282, dated October 26, 1897.

Application filed April 2, 1897. Serial No. 630,373. (No model.)

To all whom it may concern:

Be it known that I, EDWARD DUNDON, a citizen of the United States, residing at Fort Leavenworth, in the county of Leavenworth and State of Kansas, have invented certain new and useful Improvements in Self-Sprinkling Brooms; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to moistening attachments for brooms; and it consists, essentially, of a sprinkling device held within the broom and supplied from a tank adjacently situated.

The invention further consists of the details of construction and arrangement and combination of parts which will be more fully hereinafter described and claimed.

The object of the invention is to provide convenient means in connection with the broom for moistening a floor or other surface previous to sweeping the same for a well-known purpose and to have the parts of the attachment of such a nature that they can be readily applied to a broom without injuring its structure or deteriorating from its proper operation.

In the accompanying drawings, Figure 1 is a perspective view of a broom, showing the improved device applied thereto and broken away in parts to fully illustrate the attachment in proper position. Fig. 2 is a detail perspective view of the improved attachment disconnected.

Referring to the drawings, wherein similar numerals of reference are employed to indicate corresponding parts in both the views, the numeral 1 designates an annular tank or reservoir having a suitable filling vent or opening 2, preferably in the form of a short vertical tube with a removable cap, and from the bottom of one side of the tank or reservoir is an outflow-pipe 3, having a suitable valve 4 therein to control the passage of liquid therethrough. A cross-pipe 5 is connected to the lower end of the pipe 3, and to opposite ends of the said cross-pipe are secured flexible attaching-tubes 6, preferably of rubber or rubber compound, which have secured to their outer ends penetrating-nozzles 7, consisting of elongated pipes with sharpened ends 8 to assist in penetrating the broom, and have in one side thereof a series of alined openings 9, through which the water or other moistening fluid that may be used is adapted to pass, downwardly through the broom, or, if desired and found necessary, the said nozzles might with a beneficial result be located on the outside of the broom and used for sprinkling purposes previous to the sweeping operation. The first arrangement, however, is preferred. In applying the device the broom-handle is moved through the annular tank or reservoir 1 until the upper end of the broom-head is engaged and the other parts arranged as heretofore set forth. It will be seen that through the medium of the flexible connections 6 the nozzles 7 can be readily turned without shutting off the flow of water or other liquid, and also that the movement of the broom will not bend or misshape the nozzles, which might have a tendency to destroy the proper feeding action.

The device is adapted to be applied to any broom and may be readily disconnected or attached at will.

It is obviously apparent that many minor changes in the construction and arrangement of the several parts might be made and substituted for those shown and described without in the least departing from the nature or spirit of the invention.

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

In a moistening attachment for a broom, the combination of an annular reservoir having a lower outflow-pipe, a cross-pipe attached to said outflow-pipe, elongated pointed nozzles having openings in one side thereof, and flexible pipes connecting the said nozzles to the ends of the cross-pipe, substantially as and for the purposes specified.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

EDWARD DUNDON.

Witnesses:

EMIL DINGMAN,

CHARLES PETERS.