B. D. KNICKERBOCKER.

SPRAYING SIPHON ATTACHMENT FOR BATHING PURPOSES.

APPLICATION FILED MAY 22, 1909.

957,566. Patented May 10, 1910.

Fig. 2.

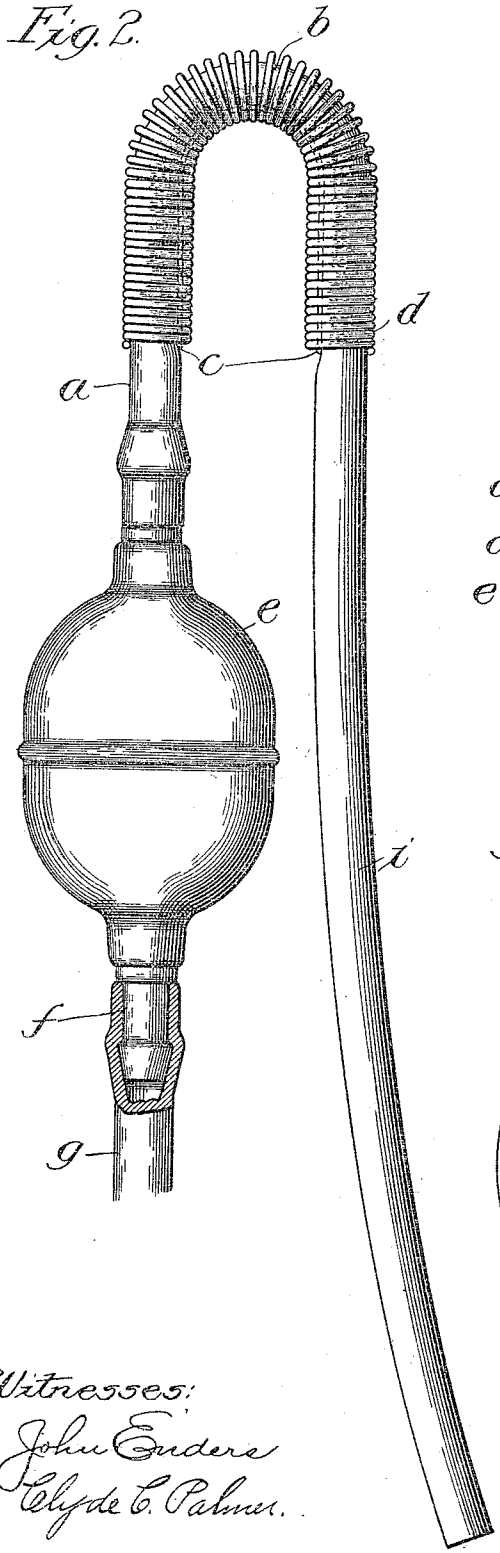
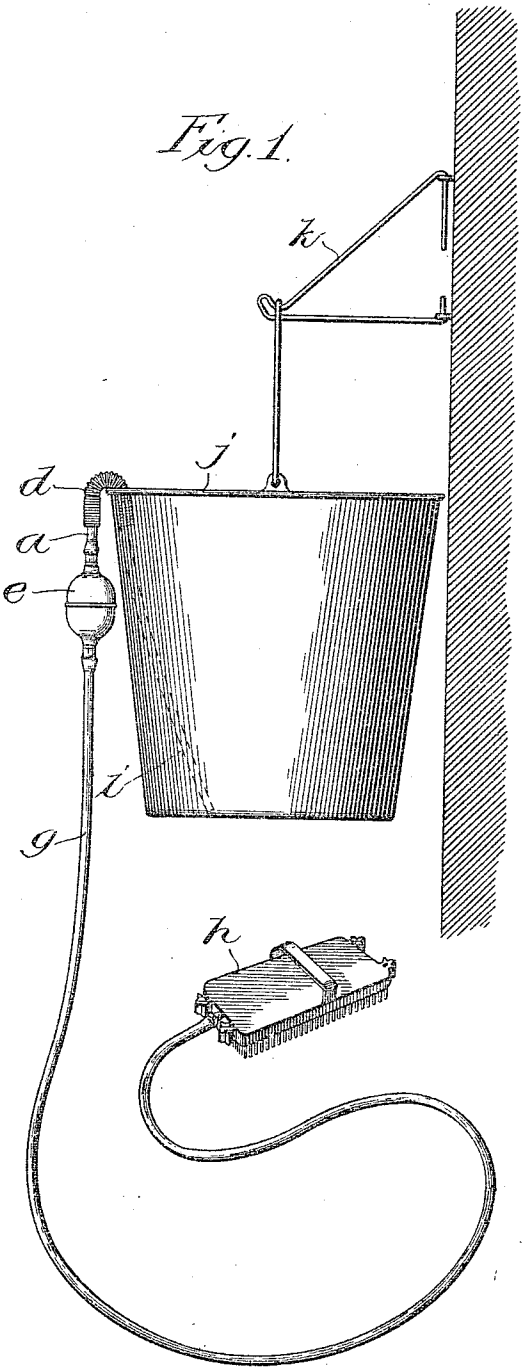


Fig. 1.



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SPRAYING-SIPHON ATTACHMENT FOR BATHING PURPOSES.

957,566. Specification of Letters Patent. Patented May 10, 1910.

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To all whom it may concern:

Be it known that I, BURTON D. KNICKERBOCKER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Spraying-Siphon Attachments for Bathing Purposes, of which the following is a description, reference being had to the accompanying drawings, forming a part of this specification, in which corresponding letters of reference in the different figures indicate like parts.

The object of my invention is to provide a portable siphon attachment to be used more especially for bathing purposes in combination with a spray or bath-brush in places where the usual hydrant facilities do not exist.

To this end, my invention consists in the combination of elements hereinafter more particularly described and claimed.

In the drawings, Figure 1 is a side elevation of a water pail suspended from a wall-bracket, showing my improved siphon attachment connected therewith ready for use, and Fig. 2 is an enlarged side view of the attachment.

Referring to the drawings, *a* represents generally a tube, preferably made from rubber or other flexible material, which is bent in U-shape as shown at *b*, said bend being preferably held in place by means of a flat strip of bent metal *c* placed upon the inner curve thereof and secured in position by means of a coil *d*, of wire, preferably formed from aluminum, the whole constituting a retainer for the bent portion of the tube. Attached to the lower end of the tube *a* by means of a suitable tubular "union" over which the end of the tube *a* is stretched in a well known way, is an elastic bulb *e*, the lower end of which is provided with a like union *f*, Fig. 2, for the purpose of enabling a connection to be made with a flexible hose *g*, as clearly shown in Fig. 1. In the example illustrated, the free end of the tube or hose *g* is attached to what is commonly known as a "fountain brush" *h*, that is to say, a brush made from india rubber or other flexible impervious material, and provided with a hollow body and hollow rubber teeth communicating therewith, so that the water supplied thereto from the hose may be caused to issue from the teeth in the form of a spray. Such brushes are well known and are popular for bathing purposes, but are only available in connection with a source of water pressure caused by gravity or otherwise. The purpose of my invention is to enable such a brush or analogous appliance to be used where water pressure cannot be utilized in the usual way.

The part *i* of the tube *a* which is indicated in dotted lines in Fig. 1, and shown in full lines in Fig. 2, is made of a length corresponding substantially to the depth of an ordinary water-pail and forms the short leg of the siphon, while the part *g* may be of indefinite length, usually five or six feet.

In utilizing the device a pail *j* is filled with water and suspended from a bracket *k*. The part *i* of the siphon is then placed within the pail with the bent portion resting upon the edge as shown, when the device is ready for use. The bather can then stand in a tub or any improvised vessel beneath the pail *j* and utilize the spray for bathing. In doing this the bulb *e* is first compressed to exhaust the air and while compressed, the user pinches the tube *g*. The bulb being then released, its expansion acts to suck the water out of the pail, thereby starting the siphon which causes the water to run through the tube until it is exhausted from the receptacle.

The advantages of my improved device are too apparent to require special mention.

Having thus described my invention, I claim:

A siphon attachment of the class described in which is combined a flexible conduit having a bend therein, a bent retaining element for maintaining the same in bent form, a coil for securing said retaining element in place, means in the main body of the conduit for producing a vacuum therein, and means at the end of the main body of the conduit for producing a spray.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses, this 20th day of May 1909.

BURTON D. KNICKERBOCKER.

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