J. P. Brower.

Inhaler.

No. 86,638. Patented Feb. 9, 1869.

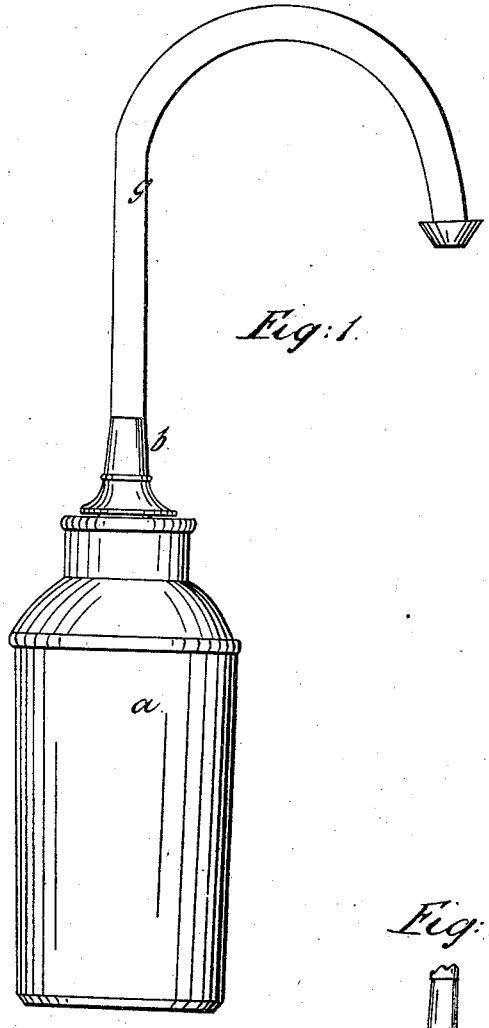


Fig: 1.

Fig: 2.

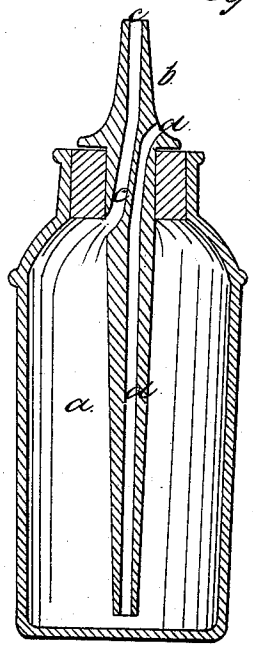


Fig: 3.



Witnesses.
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J. P. Brown
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United States Patent Office.

JOHN P. BROWER, OF SYRACUSE, NEW YORK.

Letters Patent No. 86,638, *dated February* 9, 1869.

IMPROVED INHALER FOR MEDICAL PURPOSES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JOHN P. BROWER, of Syracuse, in the county of Onondaga, and State of New York, have invented certain new and useful Improvements in Inhalers for Medical Purposes, and in nasal douches, by which I am enabled to combine the two instruments in one, or otherwise; and I do hereby declare and ascertain my said invention as follows, referring to the accompanying drawing, in which—

Figure 1 is an exterior view of the instrument.

Figure 2 is a vertical section.

Figure 3 shows a general view of the nasal douche, as heretofore used.

Articles for the above-named purposes have been made of glass or metal, or both combined. The nasal douche was complex and expensive, having an opening at or near the bottom, difficult to make in glass, and expensive, (this is seen in fig. 3,) and it was less convenient than my improved one.

The nature of my improvement is to perfect and cheapen the instruments above named, by so constructing them as to render a single instrument capable of diverse uses, and forming it of pottery, or like plastic substance, by which its construction is cheapened and rendered more efficient than was heretofore possible in the use of glass and like substances, and thus to bring the inhaler and nasal douche (heretofore limited on account of expense and difficulty of operation) into general use.

My improvements are for the purpose of cheapening the instruments, (and thus bringing them into more general use,) and rendering them more convenient and efficient.

The construction is as follows:

First, the inhaler, which consists of a plain reservoir, *a*, formed like a large-necked bottle, or any other convenient figure that is appropriate, I form of porcelain or any kind of pottery-ware, rendering it especially fitted for hot inhalations. Into this reservoir *a* is fitted a close stopper of cork, or other suitable substance, through which a pipe, *b*, of new construction, and also made of earthenware, passes. The pipe *b* has an aperture, *c*, extending down from its upper end to a point below the stopper, where it opens, and terminates through the side of the pipe, as clearly seen in fig. 2, opening into the interior of the reservoir *a*, at the top. Another opening, *d*, in the pipe commences just above the cork, and extends down to the end of the pipe, near the bottom of the reservoir, thus forming two openings, or conduits, into the reservoir, at the top and bottom thereof, with one pipe.

Secondly, by attaching a flexible tube, *g*, to the top of pipe *b*, above described, I convert the inhaler into a nasal douche, by inverting it, and raising the reservoir above the mouth of the tube, when properly inserted in the nostril, it being obvious that the liquid contained in the reservoir will thereby run out with a force due to the elevation, the opening *d*, in the pipe *b*, supplying the interior of the reservoir with air above the liquid which it thus displaces.

It is obvious to the practical manufacturer that the parts above described would be much more difficult and expensive to manufacture in glass than in any kind of earthenware, and that it would not endure the high temperature of hot inhalations as well. I have, therefore, adopted porcelain, or any proper pottery-ware, for their construction, by which I make a cheap, efficient, and durable article of manufacture, such as has never been so employed

Having thus fully described my improvement,

What I claim as my invention, and for which I desire to secure Letters Patent, is—

1. The arrangement and construction of the above-described instrument, substantially as and for the purposes set forth.

2. Forming a nasal douche, by attaching a flexible pipe, *g*, to an inhaler or instrument, substantially as above described, and reversing the reservoir, in the manner and for the purposes specified.

In testimony whereof, I hereto subscribe my name, in presence of—

Witnesses: JOHN P. BROWER.

W. R. CHAMBERLIN,

J. J. GREENOUGH.