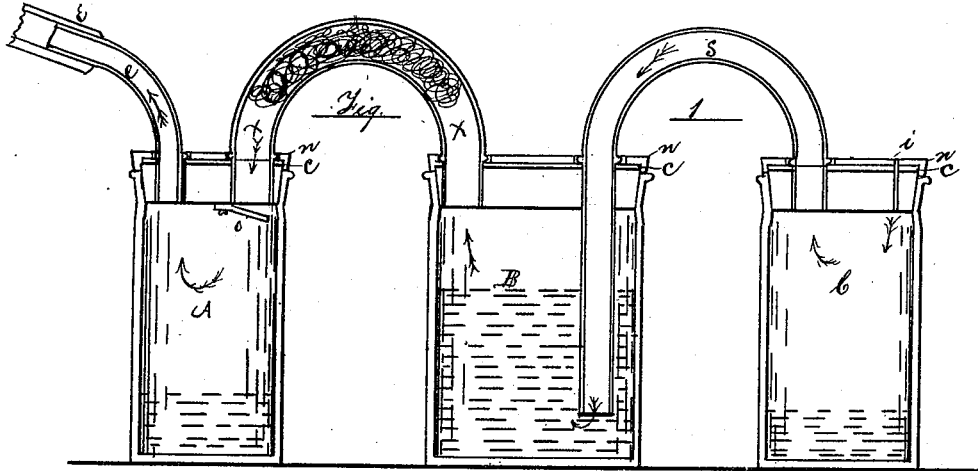


J. S. LETTS.

INHALER.

No. 180,043.

Patented July 18, 1876.



Witnesses

Thos. H. Hutchins

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Jeremiah S. Letts

UNITED STATES PATENT OFFICE.

JEREMIAH S. LETTS, OF RIPON, WISCONSIN.

IMPROVEMENT IN INHALERS.

Specification forming part of Letters Patent No. **180,043**, dated July 18, 1876; application filed March 4, 1876.

To all whom it may concern:

Be it known that I, JEREMIAH S. LETTS, of Ripon, State of Wisconsin, have invented certain Improvements in Inhalers, the construction and operation of which I will now proceed to explain, reference being had to the annexed drawing, in which—

Figure 1 is a vertical sectional view of my device.

In the drawing, A B C are bottles arranged in a row, and to be kept generally in a case, to render them easily to be handled. The bottles A B C are connected together by the bent tubes *s* and *x*. The corks of the bottles have caps of rubber *c* to pack around the tubes, to render them tight. The rubber packing *c* is covered by the metal cap *n*, to hold it on firmly. The caps, packing, and corks are perforated to admit of the passage of the tubes *x* and *s*, and the mouth-piece *e*, through them.

In arranging the apparatus for use, about one dram of chemically-pure muriatic acid is put in bottle C. In bottle B a mixture of soft-water and ammonia, in about the proportion of ten or twelve drops of ammonia to an ounce of water. Tube *x* is then filled with cotton or other porous substance, and saturated with iodine or carbolate of iodine.

By inhaling, by means of the mouth-piece *e*, the air is drawn into bottle C at the vent *i*; thence in the direction of the arrows to the mouth.

The patient gets the benefit of the healing qualities of the vapor of muriate of ammonia charged with the iodine.

A is a bottle used to catch the drippings of the iodine from the tube *x*. *o* is a valve to prevent the air passing backward.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is as follows:

The bottle C, connected with the bottle B by means of the tube *s*, arranged so it will be above the liquid in the bottle C and below its surface in bottle B, in combination with the bottle A, valve *o*, and tube *x*, connecting the bottles A and B, arranged to contain cotton to hold iodine, said bottles A, B, and C being fitted with perforated metal and rubber caps, all constructed, operating, and arranged as and for the purposes set forth.

J. S. LETTS.

Witnesses:

THOS. H. HUTCHINS,
WM. ACKER.