

J. D. WINGATE.

Depurators for the Teeth and Gums.

No. 135,612.

Patented Feb. 4, 1873.

Fig. 1.

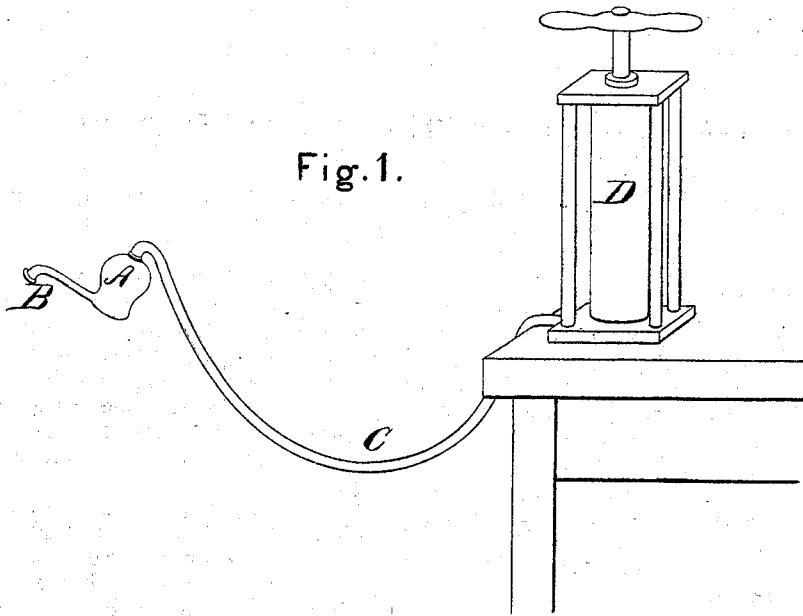
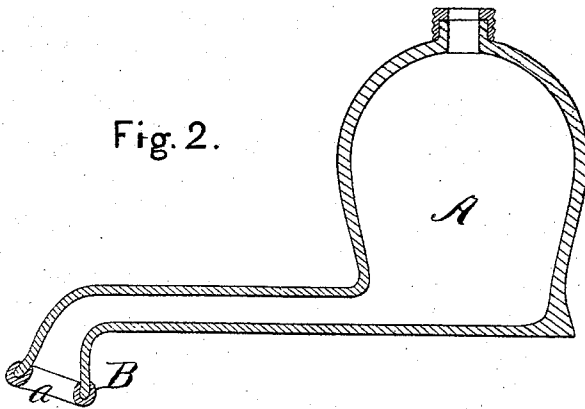


Fig. 2.



WITNESSES.

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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN DEPURATORS FOR THE TEETH AND GUMS.

Specification forming part of Letters Patent No. 135,612, dated February 4, 1873.

To all whom it may concern:

Be it known that I, JOHN D. WINGATE, of Carbondale, in the county of Luzerne and State of Pennsylvania, have invented a new and valuable Improvement in Local Vacuum Treatment of Diseases of the Gums, Teeth, and Maxillary Bones; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of my machine ready for operation. Fig. 2 is a sectional view of my invention.

My invention relates to means for treating the diseases of the gums, teeth, and maxillary bones in a vacuum; and consists in constructing the exhaust-cup hereinafter described, and connecting therewith a hose or pipe adapted for attachment to an air-pump, said cup being provided with a nozzle having a soft-rubber lip, as described and claimed.

A of the drawing represents my exhaust-cup, and B the nozzle attached thereto. The letter C represents a flexible hose or tube, and D an air-pump. This hose C connects the cup and pump, as shown on the drawing. Upon the mouth of the nozzle B I affix a soft-rubber lip, which entirely encircles the same, and is

adapted for conformation to the inequalities of the gums upon which it is designed to be placed. This lip is marked *a* on the drawing. So far as my experiments show, the best material for constructing this lip *a* is soft India rubber, but there are other materials that may be used to advantage; I do not therefore intend to confine myself to the use of rubber only.

To apply my apparatus the operator usually seats his patient in a chair, and places the air-pump on a contiguous table; he then applies the lip of the nozzle to that part of the gum he desires to treat with one hand, while he actuates the air-pump with the other. By this means all the benefits of treatment in a vacuum are secured to any portion of the gums, however small such portion may be.

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

An apparatus for treating the gums, consisting of the cup A, nozzle B, and soft-rubber lip *a*, all arranged for connection with an exhaust apparatus, as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN DANIEL WINGATE.

Witnesses:

JOHN STUART,
S. S. BENEDICT.