

(No Model.)

J. A. MILES.
INHALER AND RESPIRATOR.

No. 316,636.

Patented Apr. 28, 1885.

Fig. 1.

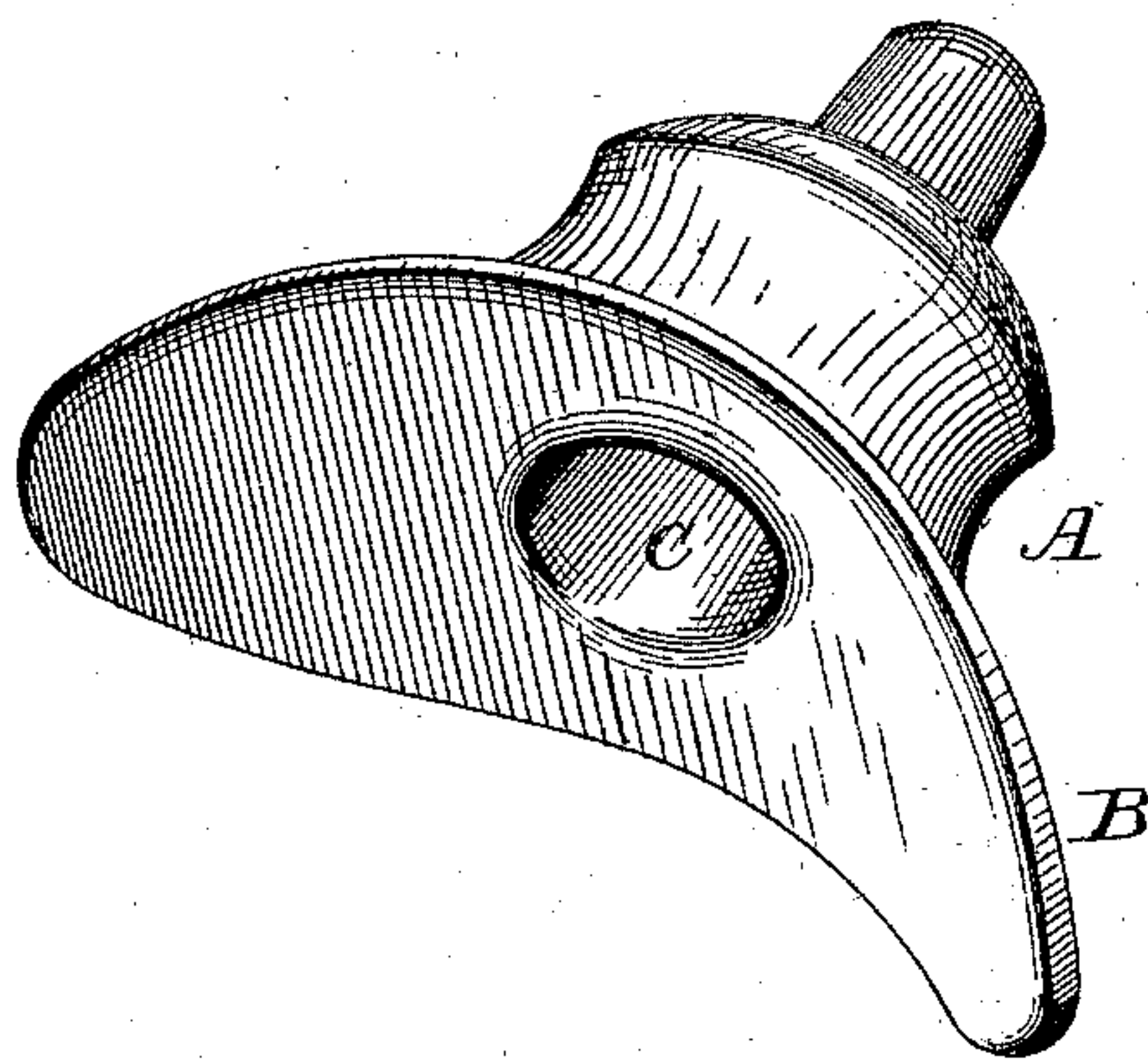
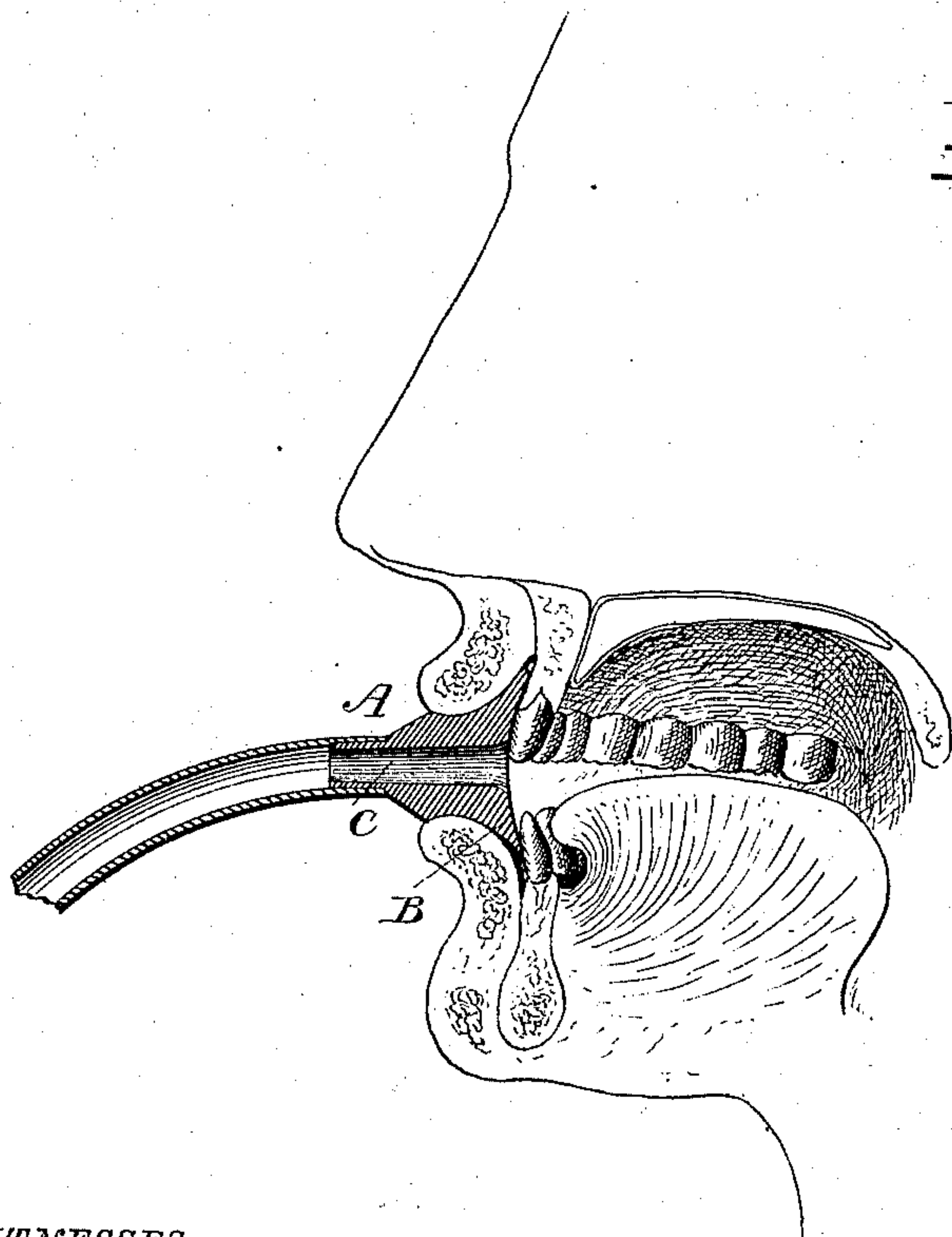


Fig. 2.



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JOHN ALLEN MILES, OF CHARLESTON, SOUTH CAROLINA.

INHALER OR RESPIRATOR.

SPECIFICATION forming part of Letters Patent No. 316,636, dated April 28, 1885.

Application filed June 5, 1884. (No model.)

To all whom it may concern:

Be it known that I, JOHN ALLEN MILES, of Charleston, in the county of Charleston and State of South Carolina, have invented certain
5 new and useful Improvements in Inhalers and Respirators; 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
10 make and use the same.

My invention relates to an improvement in inhalers and respirators, and more particularly to the construction of mouth-pieces for this class of instruments, to be used with apparatus for administering gas for dental purposes.

Heretofore devices of this character have been constructed with a view to applying the mouth-piece entirely on the outside of the
20 mouth and covering the same, or else providing a stem or tube to be applied between the lips and teeth, and also using a device for covering the mouth in connection therewith. These devices have been found seriously defective, owing to the fact that the passage of
25 air into the lungs is not prevented, and the rapid effect of the gas delayed. A further objection to this method of application consists in the fact that the lips are entirely hidden from the view of the operator. This is a
30 great disadvantage, as the color of the lips is a general indication of the condition of the subject.

The object of my invention is to remedy the
35 defects and faults hereinbefore set forth, and to provide a device by means of which the passage of air is precluded and the lips of the subject left in constant view.

A further object is to provide a device of
40 this character which shall be simple and economical in construction and durable and efficient

in use; and with these ends in view my invention consists in the hereinafter-described mouth-piece or conducting-tube for an inhaler or respirator.

In the drawings, Figure 1 is a view of my improved mouth-piece, and Fig. 2 is a view showing the same applied between the lips and the gums and teeth.

The mouth-piece may be manufactured from
5 metal, rubber, porcelain, or any other suitable material, and is preferably shaped as shown, thus being adapted to the shape of the mouth.

The mouth-piece A is adapted to be placed
5 within the mouth and to rest against the teeth and gums, while the lips are pressed against the flange or rim B. Thus, when the subject inhales, the lips are drawn tightly against the flange, thus forming an absolutely air-tight
60 mouth-piece. The mouth-piece A is provided with the hole C, for the passage of gas or other preferred narcotic, and with the stem *a*, for the attachment of a tube, which latter connects it with the gas-holder.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A mouth-piece for an inhaler or respirator, having a central opening, a stem for attachment of a tube, and an elongated rim curved
70 to conform to the gums and adapted to rest between the lips and gums, whereby the lips are exposed during the administration of the anæsthetic, substantially as set forth.

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

JOHN ALLEN MILES.

Witnesses:

P. EDWIN GREGORY,
W. ALSTON PRINGLE, Jr.