(No Model.)

G. W. BENNETT.

SPEAKING TUBE MOUTH PIECE.

No. 260,358. Patented July 4, 1882.

Fig. 1.

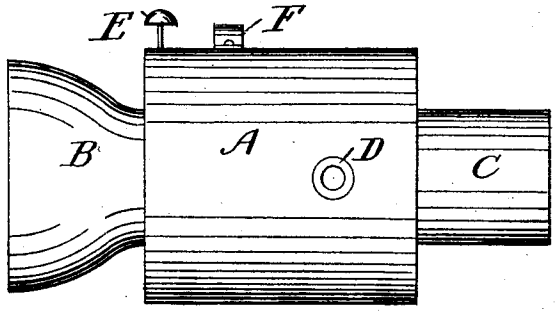


Fig. 2.

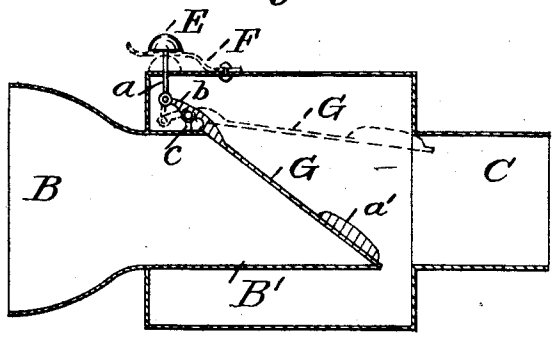
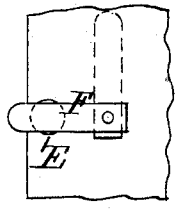


Fig. 3.



Witnesses.
Joseph N Conolly
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UNITED STATES PATENT OFFICE.

GEORGE W. BENNETT, OF CHELSEA, MASSACHUSETTS.

SPEAKING-TUBE MOUTH-PIECE.

SPECIFICATION forming part of Letters Patent No. 260,358, dated July 4, 1882.

Application filed March 20, 1882. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. BENNETT, a citizen of the United States, residing at Chelsea, in the county of Suffolk and State of Massachusetts, have invented a new and useful Mouth-Piece for Speaking-Tubes, of which the following is a specification.

My invention relates to improvements in mouth-pieces of speaking-tubes; and the objects of my improvements are to provide a mouth-piece of such construction that the spring now required to retain the signal-whistle in position will not be needed, and to prevent the passage of any sound through the tube when not in use. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation, Fig. 2 a longitudinal section, and Fig. 3 a sectional top view, of the mouth-piece.

Similar letters refer to similar parts throughout the several views.

A represents the body; C, the interior or main tube, and B the mouth-piece.

The invention mainly consists of the valve G, which is pivoted by pivot *c* to the upper side of the inner end, B′, of the mouth-piece B, which extends into the body A, as shown at C and B′, Fig. 2, and is cut in such proportion as to form an inclined seat for its reception. At its lower end is a weight, *a′*, which retains it in a closed position. Its upper end terminates in a short lever, *b*, to which is pivoted the upright rod *a*, which passes upward through the shell of the body A, and on the upper end of which is secured the button E. Just beyond the valve G, in the interior of the body A, is secured rigidly the signal-whistle D, and on its upper side, secured by a pivot-joint, is the latch F, its position, when not in use, being as shown by dotted lines, Fig. 3.

In operation the button E is pressed down, and, operating on the lever *b*, opens the valve G, as shown by dotted lines G, Fig. 2. The latch F is then brought forward, and, passing over the top of the button E, retains the valve in an open position (see F, Fig. 2) until the message is delivered, when it is removed, and the valve released from pressure is closed by the action of the weight *a′*.

The signal-whistle may be placed in any position in the periphery of the body A, but must be between the valve G and the outer end of the mouth-piece B.

It will be readily understood that when the valve is opened to give the signal the wind blown through the tube for that purpose will first strike against the valve in the opposite end and keep it closed, thus insuring a shrill alarm, and that when both valves are closed it will be quite impossible for any sound to pass through the tube.

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

1. In the body A of a speaking-tube, the mouth-piece B, with the valve G, having the weight *a′*, lever *b*, upright rod *a*, with the button E, and secured thereto by the pivot-joint *c*, all arranged and located as and for the purpose set forth.

2. In combination, the interior tube, C, and body A, having the signal-whistle D and latch F, with the mouth-piece B, having the valve G, with the weight *a′* and valve-pivot *c*, the short lever *b*, and upright rod *a*, having the button E, all arranged and located as and for the purpose set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 17th day of March, 1882.

GEO. W. BENNETT.

Witnesses:

J. H. CHEEVER,

GEO. W. PIERCE.