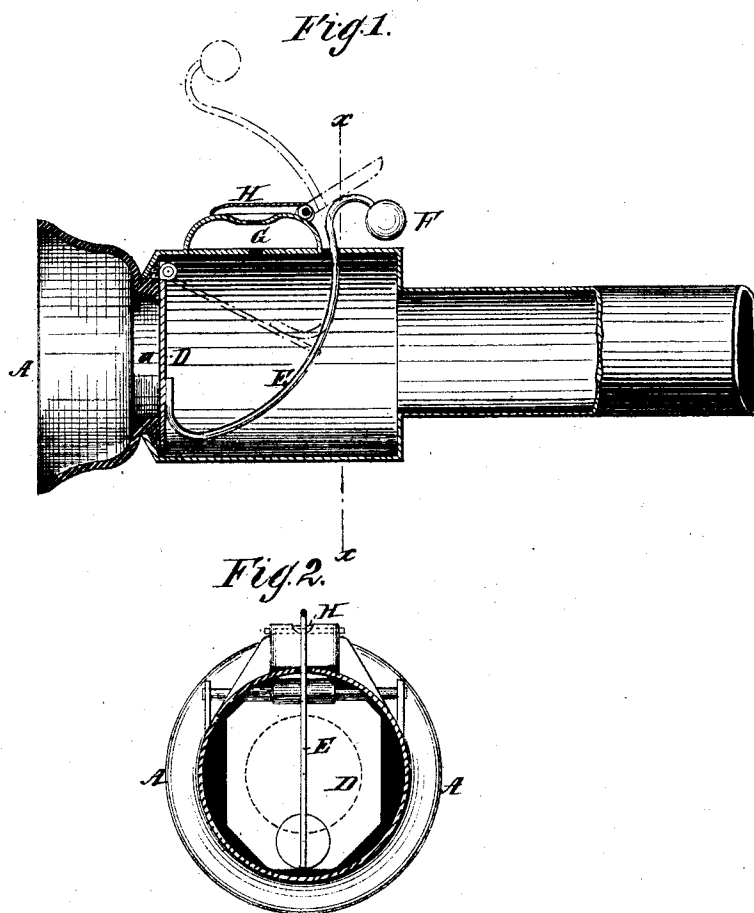


T. NIELE.
Speaking-Tubes.

No. 150,075.

Patented April 21, 1874.



WITNESSES:
G. Mathis
John C. Kemmer

INVENTOR:
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ATTORNEYS.

UNITED STATES PATENT OFFICE.

THEODORE NIELE, OF PITTSBURG, PENNSYLVANIA.

IMPROVEMENT IN SPEAKING-TUBES.

Specification forming part of Letters Patent No. **150,075**, dated April 21, 1874; application filed April 10, 1874.

To all whom it may concern:

Be it known that I, THEODORE NIELE, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and Improved Speaking-Tube; and I do declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a longitudinal central section, and Fig. 2 a cross-section in line *xx* of Fig. 1.

The invention relates to means whereby ordinary speaking-tubes may be rendered more useful and convenient. These means will first be fully described and then pointed out in the claim.

A represents the speaking-tube, in which is placed at the throat or near the mouth a the hinged valve D. E is a rod connecting the valve with a weight or knob, F. The gravity of the latter exerts a constant force through rod, E, and tends to keep the valve closed until overcome by a greater counteracting

power. By this means the air always finds a ready avenue of escape through a whistle, G. H is an indicator, located with respect to the whistle, so that it will be actuated simultaneously with the sounding of the alarm, and being raised, thus exhibit the precise tube to view, from which a signal has been given. The opening of the valve, in order to answer the call, has the effect of automatically closing the indicator.

This improvement is found in practice to possess advantages which readily commend it to the trade and the public.

Having thus described my invention, what I claim as new is—

The combination, in a speaking-tube, of the valve D, having end-weighted rod E F, the whistle G, and indicator H, arranged substantially as and for the purpose specified.

THEODORE NIELE.

Witnesses:

E. W. DEMMLER,
J. V. BROBST.