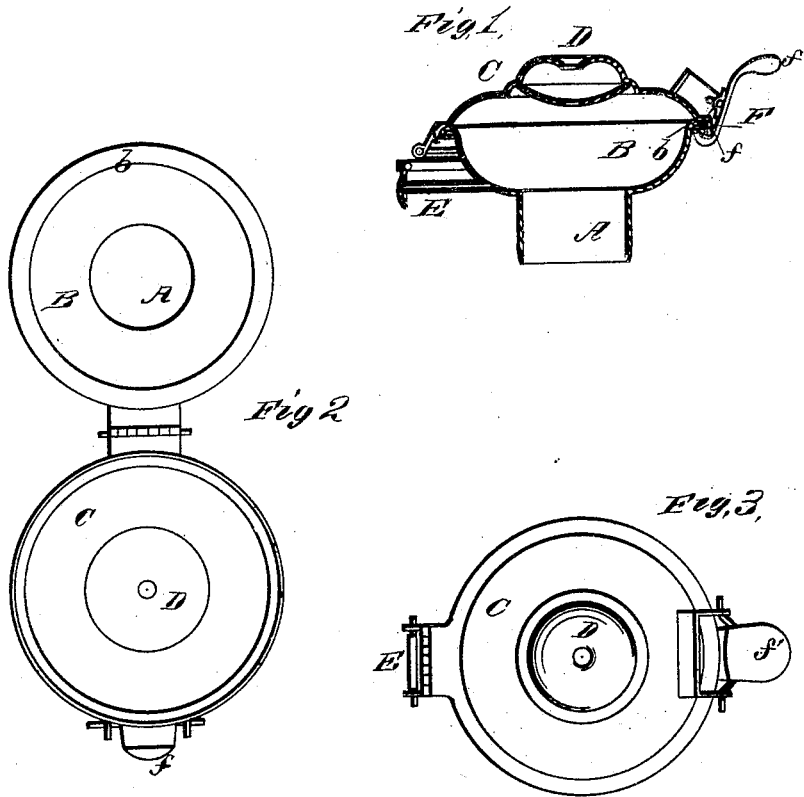


W. R. OSTRANDER.

CATCHES FOR COVERS TO SPEAKING TUBES.

No. 180,055.

Patented July 18, 1876.



Witnesses  
Robert Everett  
C. H. Bates

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# UNITED STATES PATENT OFFICE.

WILLIAM R. OSTRANDER, OF NEW YORK, N. Y.

## IMPROVEMENT IN CATCHES FOR COVERS TO SPEAKING-TUBES.

Specification forming part of Letters Patent No. **180,055**, dated July 18, 1876; application filed July 1, 1876.

*To all whom it may concern:*

Be it known that I, WILLIAM R. OSTRANDER, of New York, in the county of New York and State of New York, have invented a new and valuable Improvement in Catches for Covers of Speaking-Tubes; 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 drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a central vertical sectional view of my speaking tube lock. Fig. 2 is a front elevation with the tube open, and Fig. 3 is a front elevation with the tube shut.

This invention relates to speaking tubes; and it consists in a hinged gravitating-latch for the covers of the mouth-pieces of said tubes, constructed and operating substantially as hereinafter set forth.

In the accompanying drawings, A designates the end of a speaking-tube, and B a mouth-piece secured thereon. To the upper edge of the front of said mouth-piece is hinged a cover, C, provided with a whistle, D. On top of mouth-piece B is constructed an indi-

cator, E, consisting of an exit-tube and hinged flap. All these parts are made and operated in the ordinary manner. On the lower part of cover C is a catch, F, eccentrically pivoted thereto, and provided with a bent lip, *f*, and a heavier handle, *f'*. The rim of cover C is slightly recessed under this catch, so as to let lip *f* drop through it when the cover falls, and seize upon or lock under a flange, *b*, of mouth-piece B. When the cover is raised, or partly raised, catch F falls back thereon.

My device locks automatically, but is easily unfastened. It is extremely simple, and is not liable to become unfit for operation by long use, as are devices which depend for their efficiency upon spring-pressure and similar means.

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

In combination with cover C and mouth-piece D, the pivoted catch F, having bent lip *f* and handle *f'*, substantially as set forth.

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

WILLIAM R. OSTRANDER.

Witnesses:

JOHN B. PECK,  
JULIUS JACOBS.