

G. HODGETTS & W. OSTRANDER.
Alarm-Whistle for Speaking-Tubes.

No. 213,655.

Patented Mar. 25, 1879.

Fig. 1.

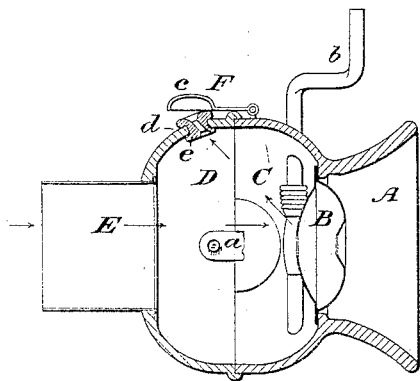


Fig. 2.

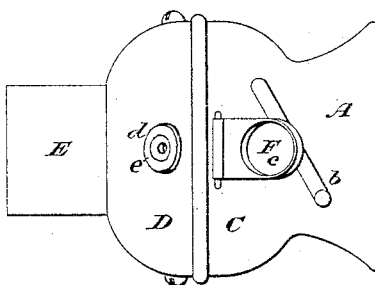
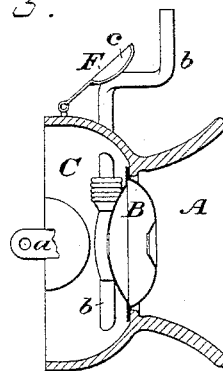
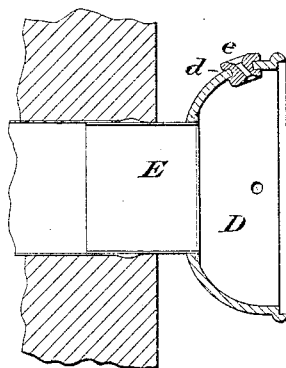


Fig. 3.



ATTEST:

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UNITED STATES PATENT OFFICE.

GEORGE HODGETTS AND WILLIAM OSTRANDER, OF BROOKLYN, NEW YORK,
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IMPROVEMENT IN ALARM-WHISTLES FOR SPEAKING-TUBES.

Specification forming part of Letters Patent No. **213,655**, dated March 25, 1879; application filed February 7, 1879.

To all whom it may concern:

Be it known that we, GEORGE HODGETTS and WILLIAM OSTRANDER, both of Brooklyn, in the county of Kings and State of New York, have invented certain Improvements in Alarm-Whistles for Speaking-Tubes, of which the following is a specification:

Our improvements relate to the construction of the case containing the whistle.

In the drawings, Figure 1 is a longitudinal mid-section; Fig. 2 is a plan; and Fig. 3 is a view similar to Fig. 1, showing the halves of the case separated and the back half secured to the speaking-tube in the wall.

Let A represent the mouth-piece; B, the whistle; C D, cup-shaped shells, being halves of the whistle-chamber, and E the stem or tube for connection with the terminus of the speaking-tube. This stem E is fixed in the wall, as shown in Fig. 3, and the shell D of the whistle-chamber, which is of cup or saucer shape, is fixed to or forms a part of it. The shell C of the whistle-chamber is similar in shape to D, and is, preferably, formed in one piece with the mouth-piece A.

The shells C and D fit together at their edges, forming, when connected, a globular or bulb-shaped whistle-chamber, as shown in Figs. 1 and 2. A chamber of this shape is stronger and more slightly, conforms better to the outline of the whistle B when the latter is turned back, and takes less material to construct it, being, consequently, lighter than when made of the usual cylindrical or polygonal form. The shells C and D may be secured together in any suitable manner, that shown consisting of ears *a a*, projecting from one shell into the other, which receive screws driven through the shell from the outside. The part C A contains the whistle B, the stem *b* of which has bearings in holes formed in the shell C, and is provided with a spring or weight to keep it normally closed, arranged in any usual manner.

Ordinarily, the several parts of the device are used together, as shown in Fig. 1; but

should any of the parts A B C become broken or get out of order, these parts may be removed bodily from the parts D E, as shown in Fig. 3; and while they are absent and being repaired or replaced the shell D forms a suitable mouth-piece, so that the use of the speaking-tube is not interrupted.

F is the tell-tale or indicator, which, if used, may be of the ordinary construction.

The shells C D may be made of any suitable or desirable material. We have shown them as made of cast metal, the sheet-metal tube E being cast into the shell D, and the ears *a a* into the shell C; but in lieu of this construction they may be spun out of sheet metal or turned out of wood or other material; or, the part D E may be made of metal, and the part A C of porcelain, if desired, or the mouth-piece A may alone be made of porcelain and be fixed to the shell C in any suitable manner.

We claim as our invention—

1. A whistle-case for a speaking-tube, formed in two parts, the back part adapted to be fixed in the wall and to form a temporary mouth-piece when the front part is removed, and the front part, in which the whistle is hung, forming the ordinary mouth-piece, substantially as and for the purposes set forth.

2. A globular or bulb-shaped whistle-chamber for a speaking-tube, formed in two parts, suitably connected together, substantially as set forth.

3. A whistle-case for a speaking-tube, made in two parts, one part comprising the neck E and the saucer-shaped shell D, and the other part comprising the shell C and mouth-piece A and bearing the whistle B, substantially as set forth.

In witness whereof we have hereunto signed our names in the presence of two subscribing witnesses.

GEORGE HODGETTS.
WILLIAM OSTRANDER.

Witnesses:

GEO. L. FOX,
JOHN LOUGHRAN.