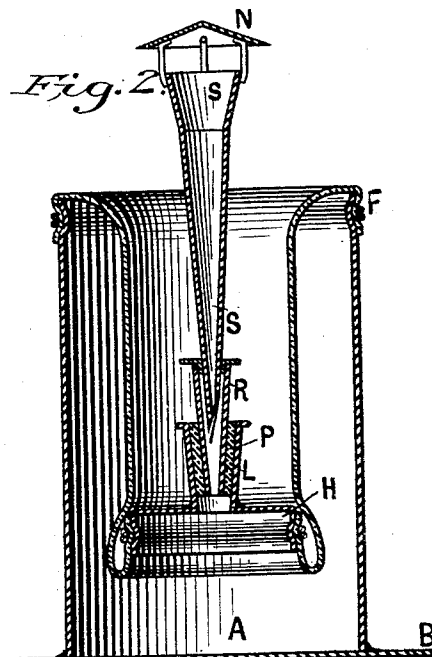
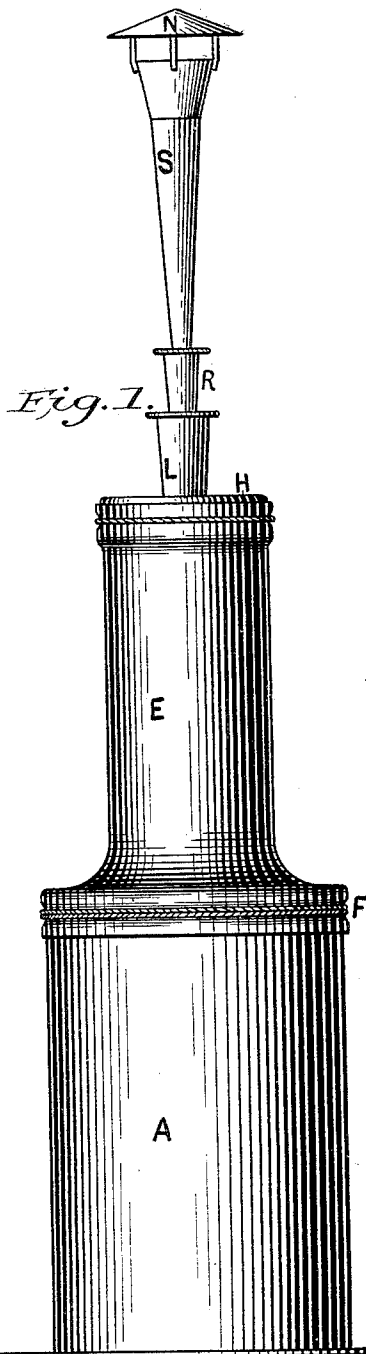


(No Model.)

D. H. BAKER.
FOG HORN.

No. 467,885.

Patented Jan. 26, 1892.



WITNESSES

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UNITED STATES PATENT OFFICE.

DAVID HOWARD BAKER, OF MELROSE, MASSACHUSETTS.

FOG-HORN.

SPECIFICATION forming part of Letters Patent No. 467,885, dated January 26, 1892.

Application filed March 26, 1891. Serial No. 386,584. (No model.)

To all whom it may concern:

Be it known that I, DAVID HOWARD BAKER, of Melrose, in the county of Middlesex and State of Massachusetts, have invented an Improvement in Fog-Horns, of which the following is a specification.

The object of my invention is to provide a cheap, simple, convenient, and efficient fog-horn for marine purposes to be operated or sounded as a danger or other desired signal, as heretofore employed and now in general use; and it consists in the construction, combination, and arrangement of the several parts composing the same, as hereinafter more fully described, and specifically set forth in the claim.

The drawings hereto annexed form a part of this specification, as hereinafter described.

Figure 1 represents a side elevation of a fog-horn constructed according to my invention, showing the same in an extended position ready to be sounded. Fig. 2 represents a vertical longitudinal central section of the same in its contracted position after being sounded.

A represents a sheet-metal cylindrical vessel provided with a suitable bottom B, which forms a base or support for the device when in position for use. The upper end of the vertical cylinder A has a suitable rib, groove, flange, or shoulder formed externally thereon or provided with other suitable means whereby the end of the flexible rubber or other elastic sleeve E, may be secured thereon or thereto by means of a twine, wire, or metal band F, so as to connect the same permanently therewith. Within the smaller end of this elastic rubber or other flexible sleeve E is likewise secured a metallic or other suitable cap-support portion H, having a central

opening and provided with a short conical tube L, having an elastic packing P, within which the conical mouth-piece R snugly fits, so as to retain the small end of the horn S therein, as shown, in position ready for immediate use whenever desired.

It will be seen that by simply elevating and depressing the horn S that the air contained in the said vessel A is forced against the usual reed T, provided on the small end of the horn, causing the reed to vibrate and thereby produce a sound as long as the air is passing outward through the horn as the same is forced downward, so as to operate the sleeve-bellows E, as above described and clearly shown in the drawings.

The large or "mouth" end of the horn is provided with cap or shield piece N, connected thereto by short wire supports, as shown, whereby snow or rain or other foreign substances are prevented from falling within the open upward end of the horn when in position on a boat or vessel for use.

Having thus described my invention, what I claim is—

A fog-horn consisting of a rigid cylinder closed at the lower end and having a conical elastic tubular portion secured to the upper end, and to the upper end of the said elastic conical portion a horn adapted to be forced downward with the elastic portion within the rigid cylindrical portion, and thereby force the air outward through the horn to sound the same, substantially as described.

D. HOWARD BAKER.

Witnesses:

SYLVENUS WALKER,
WILLIAM H. PARRY.