

No. 785,874.

PATENTED MAR. 28, 1905.

A. H. GOULD.
CAMPAIGN INSTRUMENT.
APPLICATION FILED JUNE 2, 1904.

Fig. 1

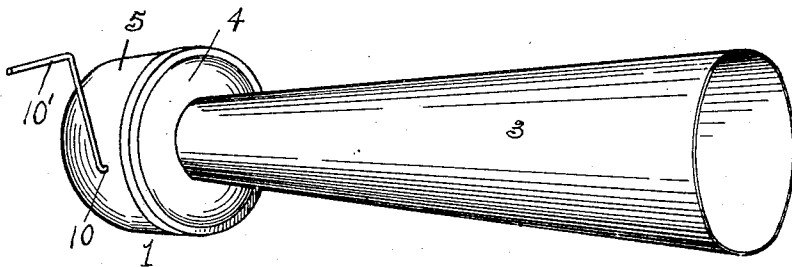


Fig. 2.

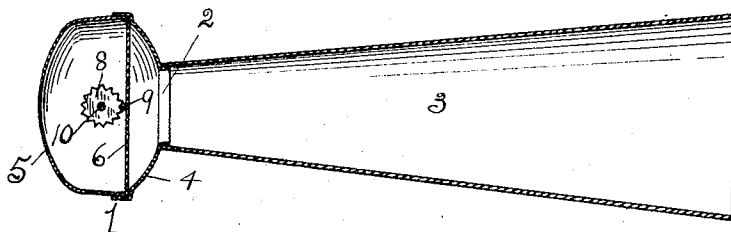
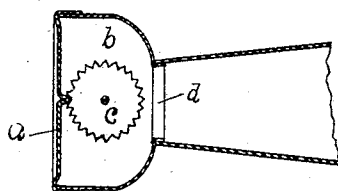


Fig. 3.



WITNESSES:

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CAMPAIGN INSTRUMENT.

SPECIFICATION forming part of Letters Patent No. 785,874, dated March 28, 1905.

Application filed June 2, 1904. Serial No. 210,774.

To all whom it may concern:

Be it known that I, ALEXANDER H. GOULD, a citizen of the United States, and a resident of Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Campaign Instruments; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to instruments of the class more especially designed for use at election campaigns, parades, field sports, and analogous events, at which time noisy demonstrations by the people is in vogue.

The object of my invention is to provide an instrument of this character of cheap and simplified construction, that is adapted to be operated by hand instead of lung power, and at the same time will emit a harsh shrill noise similar to that of campaign-horns.

The invention is fully described in the following specification and shown in the accompanying drawings, in which—

Figure 1 is a perspective view of an instrument embodying my invention. Fig. 2 is a central longitudinal section thereof, and Fig. 3 is a modified form of the same.

Referring to the drawings, 1 represents a bulb or chamber, which has a flanged noise-emitting opening 2 provided therein, and 3 a horn or megaphone, which has its contracted end secured to the flange of said opening 2 and is adapted to direct and throw the sounds made by the instrument. The bulb or chamber 1 is shown as comprising the top section 4, in which the opening 2 is located, and the lower section 5, which latter is adapted to have its upper edge telescoped within the lower portion of the top section 4 or otherwise suitably secured thereto. Disposed diametrically within the bulb 1 is a diaphragm 6, which is securely held between the adjacent alining portions of the sections 4 and 5, as shown, and is composed of metal or other ma-

terial suitable for the accomplishment of the desired purpose.

A very loud noise is caused to be emitted from the horn 3 of the instrument by reason of a peripherally-toothed disk 8 being rapidly rotated in a plane intersecting that of the diaphragm 6 and having its teeth successively moved in and out of engagement with a lug or rib 9, formed in any desired manner on the adjacent surface of said diaphragm. The disk 8 is keyed to a shaft 10, which is mounted in the section 5 in parallelism with the diaphragm 6 and has one end provided with a crank-arm 10', by means of which it is turned to rotate said disk.

In order to attain the best results in the operation of my invention, it is necessary to employ a light flexible wire for the shaft 10 to enable it to have a vibratory movement as the teeth of the disk 8 move in and out of engagement with the rib 9, as otherwise a rapid rotation of said disk would be prevented and less noise produced by the contact of the disk with the rib on the diaphragm.

While the preferable mode of constructing my invention consists in the placing of the diaphragm 6 within a chamber, as shown in Figs. 1 and 2, more noise being derived from such construction, it is apparent that the same might be made in numerous ways, one of which is shown in Fig. 3 of the drawings. In this construction the noise-diaphragm *a* comprises the base of the bulb or chamber *b*, and the toothed engaging disk *c* is disposed between said diaphragm and the noise-outlet opening *d*, thus emitting more of a deadened sound than the other construction. It is also obvious that such changes in the form, proportion, and minor details of construction of the parts as fairly fall within the scope of my invention may be made without departing from the spirit or sacrificing any of the advantages thereof.

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

An instrument comprising a chamber having an opening therein a diaphragm secured within said chamber, a rib on said diaphragm,

a transversely - toothed member rotatably
mounted within said chamber in position for
its teeth to engage said rib, a flexible shaft on
which said member is mounted adapted to per-
5 mit of a vibratory movement of said member
as its teeth move in and out of engagement
with said rib, and means for rotating said
shaft.

In witness whereof I have hereunto signed
my name to this specification in the presence 10
of two subscribing witnesses.

ALEXANDER H. GOULD.

Witnesses:

C. W. OWEN,
CORNELL SCHREIBER.