

(No Model.)

C. ATKINSON.

AUDIPHONE.

No. 261,822.

Patented Aug. 1, 1882.

Fig. 1.

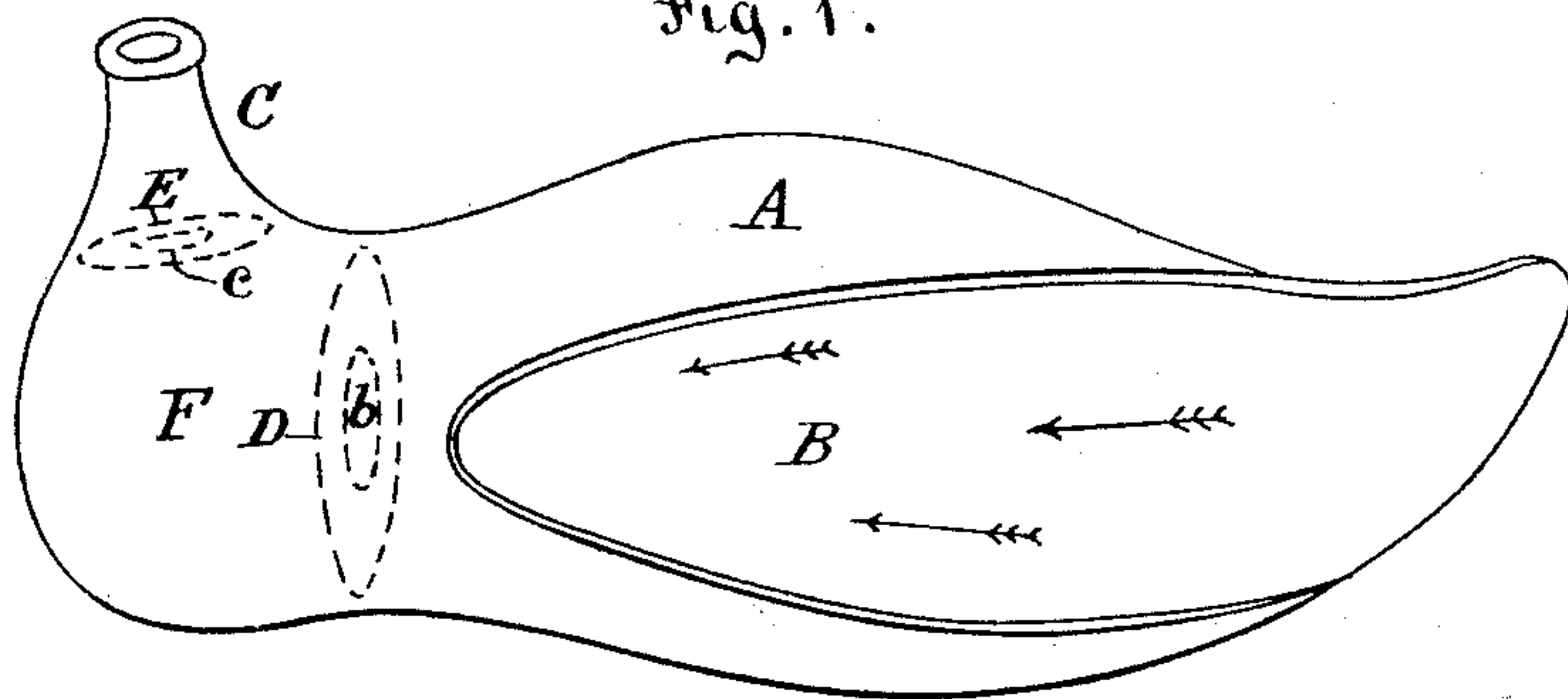
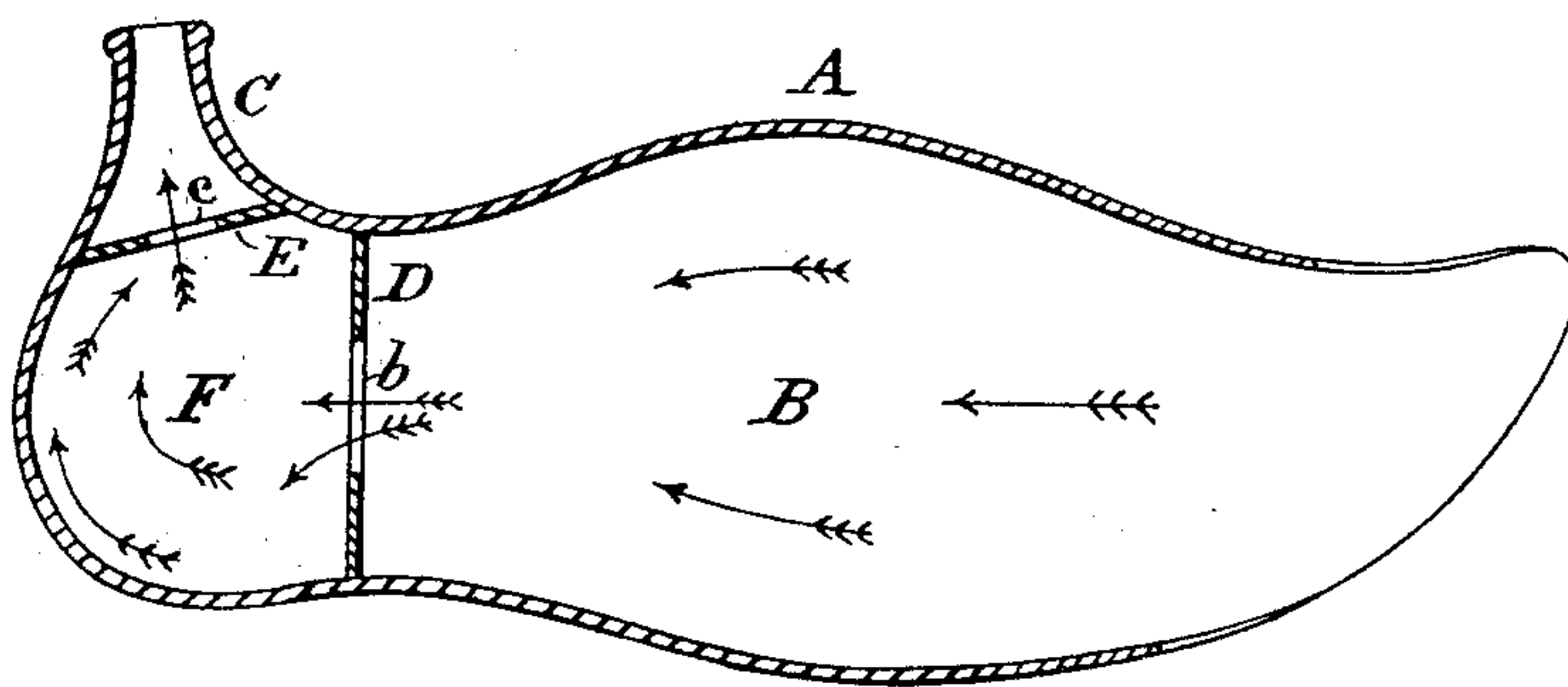


Fig. 2.



Witnesses :
Wm A M Cluel
Wm E Baulton

Inventor :
Charles Atkinson
By W. T. Purvis
Atty.

UNITED STATES PATENT OFFICE.

CHARLES ATKINSON, OF CHICAGO, ILLINOIS, ASSIGNOR TO CHARLES G. TRUSDELL, OF SAME PLACE.

AUDIPHONE.

SPECIFICATION forming part of Letters Patent No. 261,822, dated August 1, 1882.

Application filed June 1, 1882. (No model.)

To all whom it may concern:

Be it known that I, CHARLES ATKINSON, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Audiphones and Microphones, of which the following is a specification, reference being had therein to the accompanying drawings.

10 My invention relates to audiphones and microphones; and it consists of an instrument constructed to increase sounds and their articulation in the ear, and adapted to be readily attached to and worn on the ear, as hereinafter
15 fully described, and as shown in the drawings.

Figure 1 is a perspective of the entire instrument. Fig. 2 is a vertical longitudinal section of the same.

20 A represents the body of a hollow instrument, having the opening B in form similar to the ear of a horse, and is provided with the ear-tube C, adapted to be inserted in the external cavity of the ear.

25 D and E are partitions arranged at the positions in the instrument as shown by the dotted lines in Fig. 1 and the sectional lines in Fig. 2 of the drawings, forming the chamber F. The partitions are provided with central apertures, *b* *c*, respectively, the aperture *c* being smaller
30 than *b*. The perforated partitions and chamber are for the purpose of concentrating the sounds in the ear-tube.

The instruments may be constructed of glass, rubber, celluloid, or any other suitable materials, and they are formed so that one may be attached to each ear. 35

In use the end of the ear-tube is adjusted in the ear, and the instrument is held in place by means of a cord or a spring of suitable construction, of steel, silver, gold, or any other desirable materials, placed over the head and attached to the instrument. The sounds, striking the instrument within the opening B, are conveyed to the partition D, and through its aperture *b* into the chamber F, thence to the partition E, and through its aperture *c* into the ear-tube C, as indicated by the arrows in the drawings. 40 45

What I claim as new, and desire to secure by Letters Patent, is— 50

The instrument for increasing sounds and their articulation in the ear, consisting of the hollow body A, having the opening B, ear-tube C, and perforated partitions D E, forming the chamber F, substantially as described. 55

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES ATKINSON.

Witnesses:

A. MAGAMSON,
THOMAS J. BOLENDER.