

No. 666,199.

Patented Jan. 15, 1901.

A. B. LARSEN.

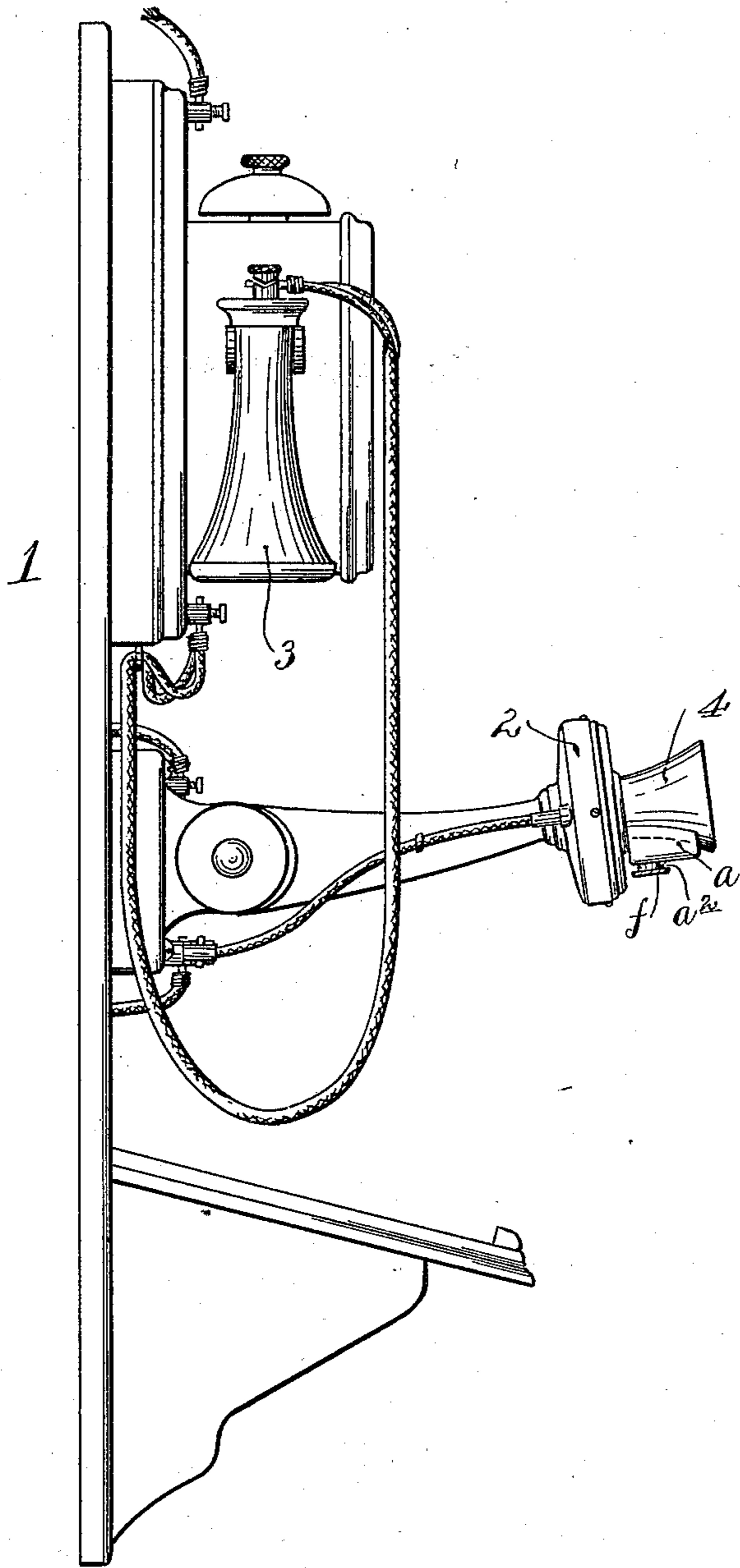
GERMICIDE DEVICE FOR TELEPHONE TRANSMITTERS.

(Application filed Apr. 27, 1900.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1.



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Harry Nilgors,
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2 Sheets—Sheet 2.

Fig. 2

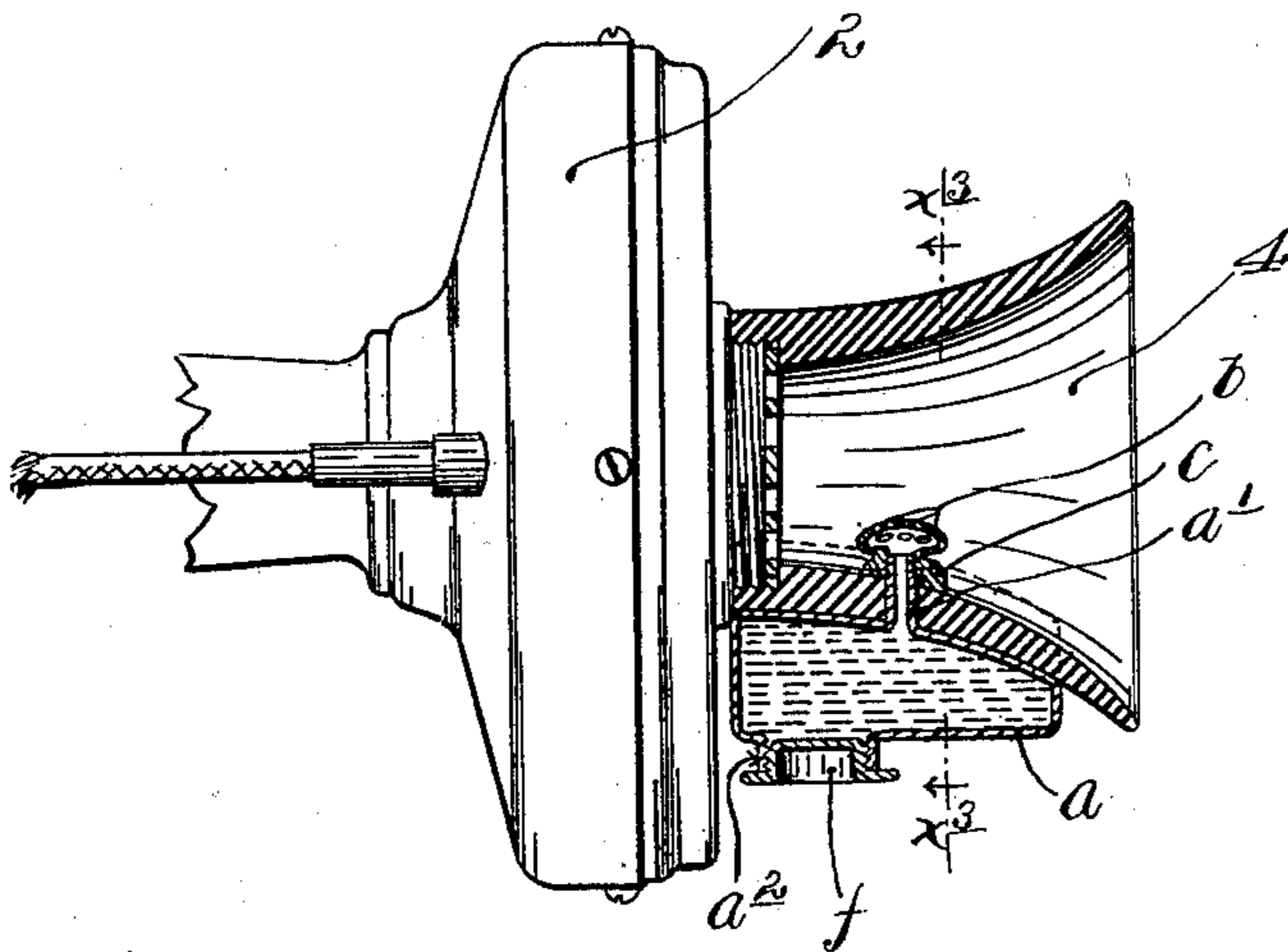
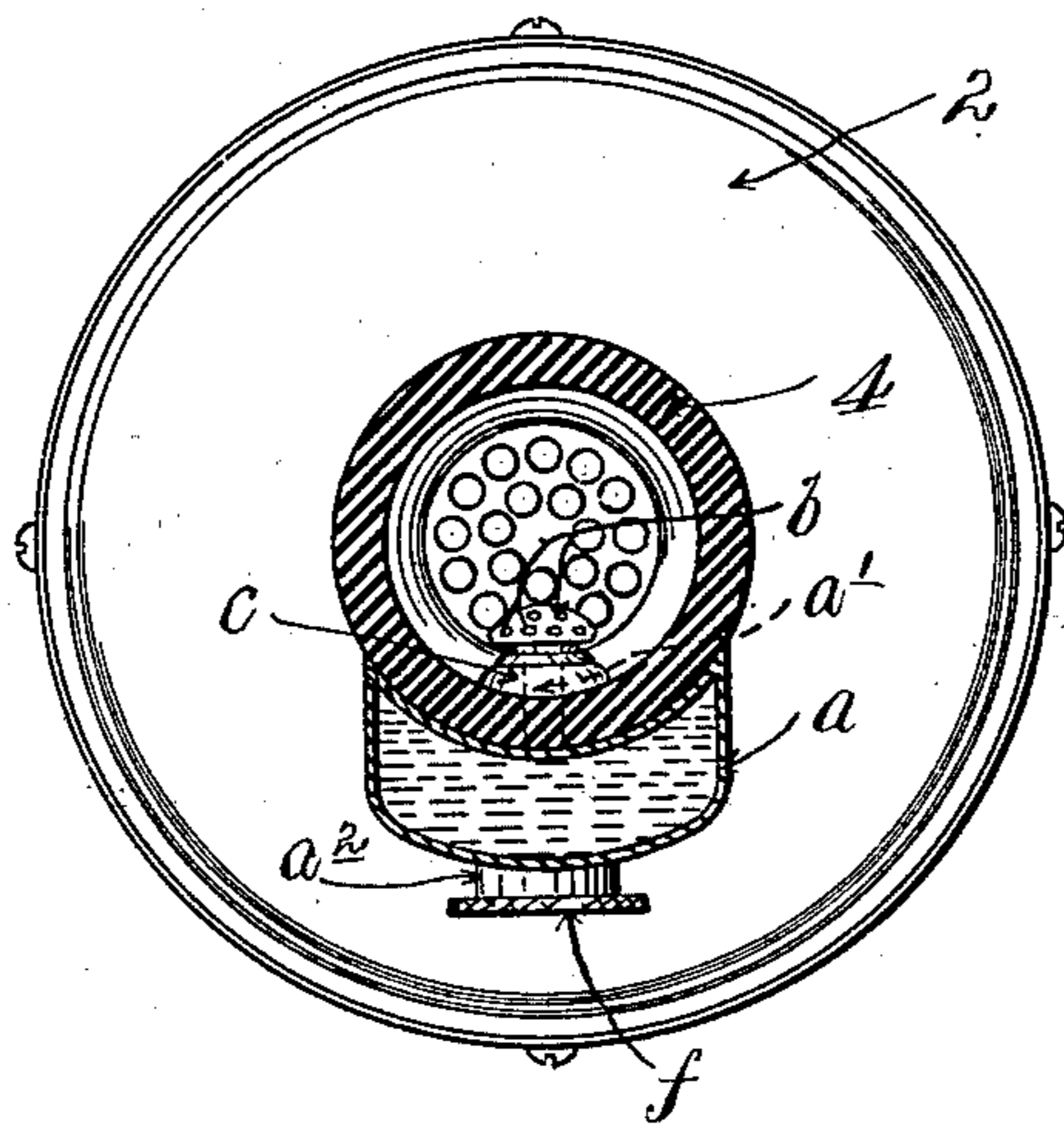


Fig. 3



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UNITED STATES PATENT OFFICE.

ADOLPH B. LARSEN, OF MINNEAPOLIS, MINNESOTA, ASSIGNOR OF ONE-HALF TO FRANK F. CARLSON, OF SAME PLACE.

GERMICIDE DEVICE FOR TELEPHONE-TRANSMITTERS.

SPECIFICATION forming part of Letters Patent No. 666,199, dated January 15, 1901.

Application filed April 27, 1900. Serial No. 14,587. (No model.)

To all whom it may concern:

Be it known that I, ADOLPH B. LARSEN, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Germicide Devices for Telephone-Transmitters; 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.

My invention has for its object to provide a simple and efficient germicide or disinfecting device for telephone-transmitters; and to this end it consists of the novel devices and combinations of devices hereinafter described, and defined in the claim.

The invention is illustrated in the accompanying drawings, wherein like characters indicate like parts throughout the several views.

Figure 1 is a side elevation showing the modern telephone having my improved device applied to the transmitter thereof. Fig. 2 is a view, partly in side elevation and partly in vertical section, showing the transmitter with the germicide-containing device applied thereto; and Fig. 3 is a transverse section on the line $x^3 x^3$ of Fig. 2.

The numeral 1 indicates as an entirety an ordinary telephone, of which the numeral 2 indicates the transmitter and the numeral 3 the receiver. Within the receiver is of course the diaphragm, and for directing the sound-waves of the human voice to the diaphragm the transmitter is in the latest approved telephones provided with a bell or flaring mouth-piece 4.

In the preferred construction of my improved device I employ a small metal receptacle a , which is made to fit the under portion of the bell 4 and is provided with a small projecting stem a' , which is adapted to be passed upward through a suitable perforation in the said bell and is provided at its inner end with a perforate spraying nozzle or rose b , which has screw-threaded engagement therewith. Preferably a saddle-nut c is placed on

the stem a' between the nozzle or head b and the inner surface of the bell 4. When the device is applied, as best shown in Fig. 2, and the nozzle b is screwed onto the stem a' as a nut, the pouch or receptacle a is secured in position. At its under side the pouch or receptacle a is provided with a neck a^2 , which is normally closed by a screw-threaded plug or cap f .

The pouch or receptacle a is filled with a germicide either in liquid or in solid form, but of such nature that it will evaporate and slowly issue from the nozzle or rose b , and being discharged into the bell 4 it will kill all germs in the vicinity of the interior of the said bell and receiver.

It will be understood that there is an especial necessity for a germicide device in connection with the transmitter of a telephone. A person talking into the transmitter unavoidably deposits such contagious germs as he may be afflicted with, so that these telephone-transmitters are probably the most common of all agents for causing the spreading of contagious diseases. The germicide device applied to the transmitter will kill the deposited germs, and thus prevent disease from being spread by the use of a telephone.

The device above described is of course capable of considerable modification and may be made of any suitable material.

What I claim, and desire to secure by Letters Patent of the United States, is as follows:

The combination with a telephone-transmitter having the bell 4, of the germicide-containing receptacle a , having the stem a' passed through said bell and provided at its inner end with the nozzle b screw-threaded thereon and holding said receptacle a in position substantially as described.

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

ADOLPH B. LARSEN.

Witnesses:

FRANK F. CARLSON,
F. D. MERCHANT.