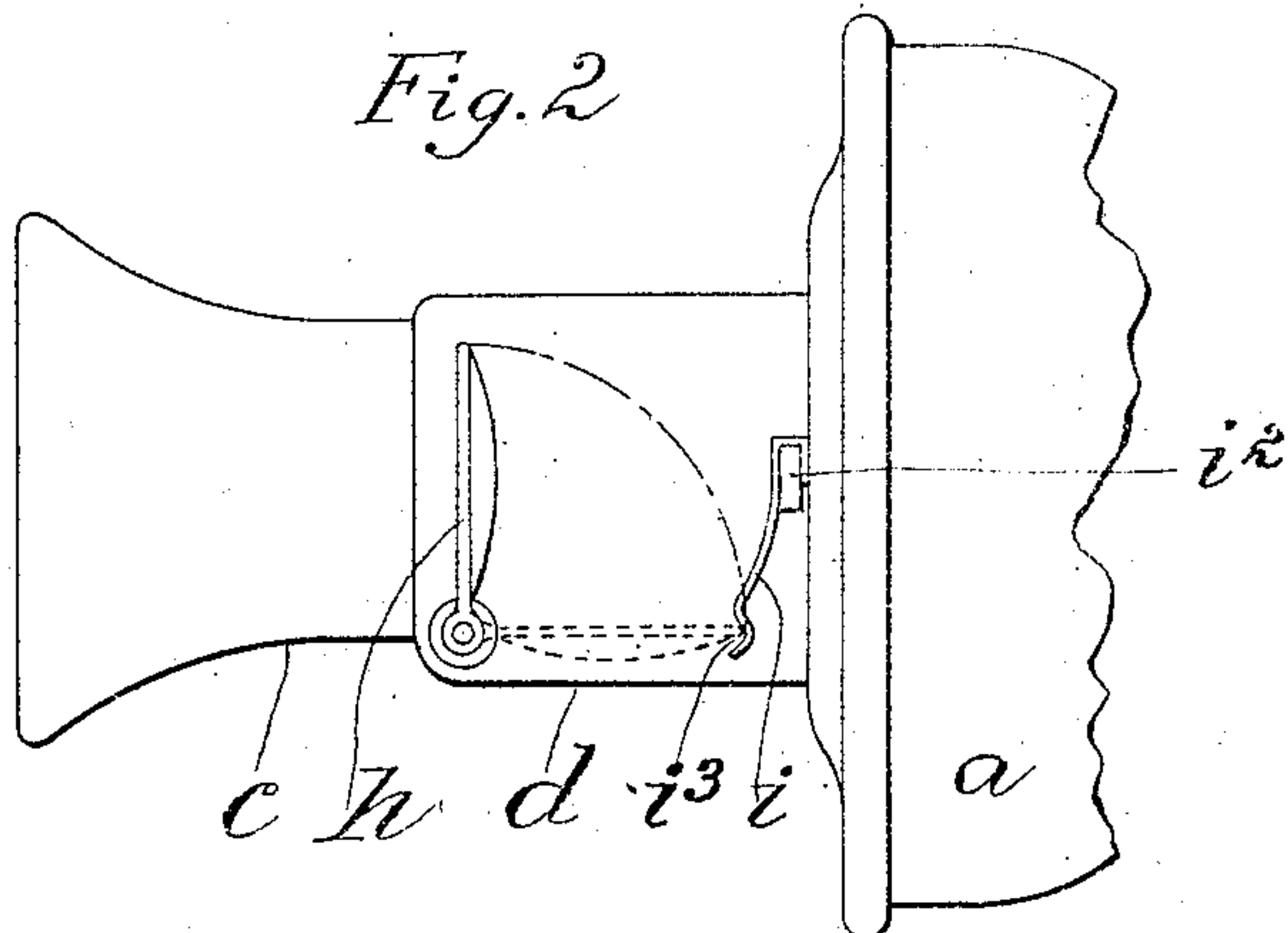
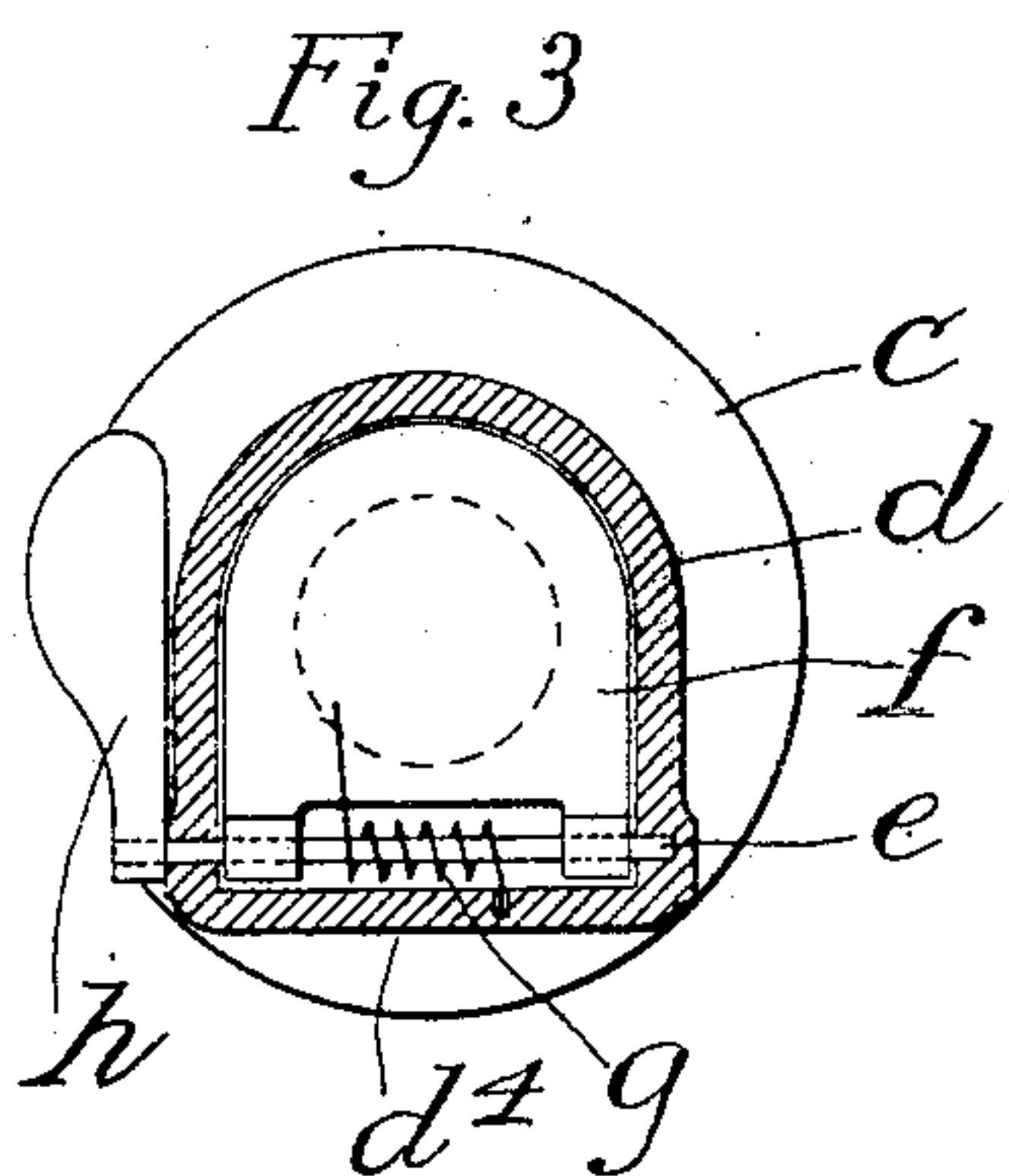
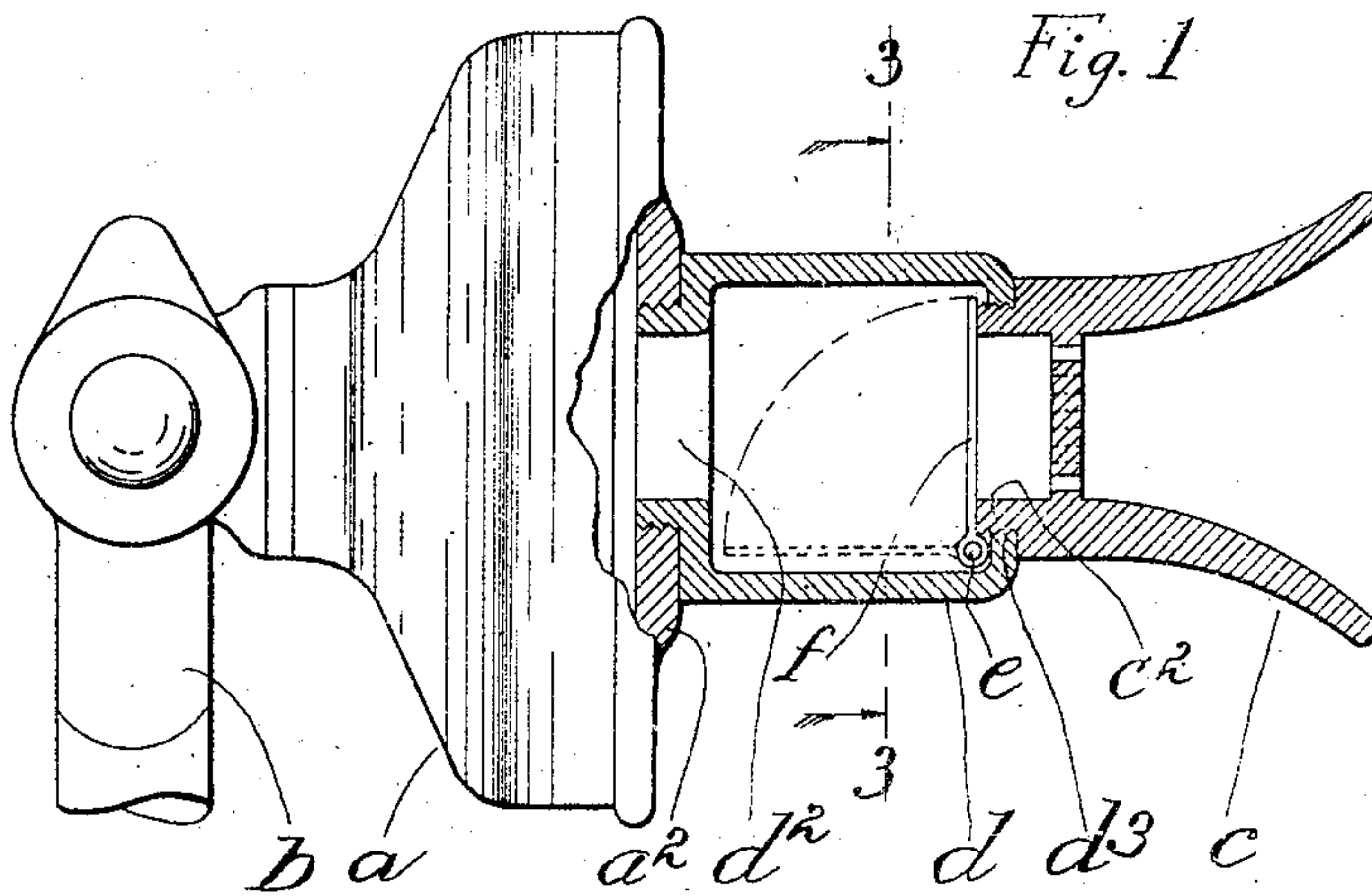


R. L. WOODWARD.
 TELEPHONE TRANSMITTER ATTACHMENT.
 APPLICATION FILED DEC. 4, 1908.

916,245.

Patented Mar. 23, 1909.



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TELEPHONE-TRANSMITTER ATTACHMENT.

No. 916,245.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, RICHARD L. WOODWARD, a citizen of the United States, and residing at Jersey City, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Telephone-Transmitter Attachments, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to telephones; and the object thereof is to provide the transmitter of a telephone with improved means whereby the said transmitter may be closed by an operator when using the receiver in order to prevent conversation of any kind from passing through the telephone at such time, and in order to permit the operator to close the transmitter in order to carry on a conversation with others in his office or place where the telephone is located without such conversation passing through the telephone; and with these and other objects in view the invention consists in an attachment for the transmitter of telephones for the purpose specified, constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which:—

Figure 1 is a side view of the transmitter of a telephone provided with my improvement, part of the construction being in section, Fig. 2 a view in an opposite direction to that of Fig. 1; Fig. 3 a cross section on the line 3—3 of Fig. 1.

In the accompanying drawing I have shown at *a* an ordinary transmitter case pivoted, in the usual manner, to a support *b* and provided with the usual mouth piece *c*, and in the practice of my invention I provide an intermediate member or casing *d* which is placed between the mouth piece *c* and the casing *a*. The intermediate member or casing *d* is provided with a screw threaded neck *d*² at one end which is screwed into the face *a*² of the casing *a*, and at its opposite end with an interiorly threaded opening *d*³, and the mouth piece *c* is provided with the usual exteriorly threaded neck *c*² which is screwed into the opening *d*³. The intermediate member or casing *d* is preferably flat on the bottom side thereof as shown at *d*⁴, and the screw

threaded neck *c*² of the mouth piece *c* projects into the intermediate member *d* as clearly shown in Fig. 1, and passing transversely through the bottom portion of the intermediate member or casing *d* beneath the neck *c*² of the mouth piece *c* is a rod *e* on which is mounted a plate *f*, and coiled on the rod *e* is a spring *g* which normally holds the plate *f* in a raised position as shown in full lines in Fig. 1 in which position it presses on the end of the neck *c*² of the mouth piece *c* and securely closes the same, and this plate *f* forms a damper or cut off for this purpose, and when in a closed position as shown in 70 Fig. 1 it prevents the passage of any sound, or any conversation through the telephone.

The rod *e* projects at one side of the member or casing *d* and is provided with a handle *h*, and whenever it is desired to open the telephone, or the mouth piece *c* so that conversation may be carried on through the telephone the handle *h* is turned down into a horizontal position as indicated in dotted lines in Fig. 2 and is held in this position by a spring finger *i* secured at *i*² in any desired manner, and the free end of which extends downwardly and is provided with a recess *i*³ which the free end of the handle *h* enters as shown in said figure.

It will be understood that the spring *g* normally holds the plate *f* in its closed position as shown in Fig. 1, and in turning down the handle *h* as above described into the position shown in Fig. 2, the spring *g* is put under tension and as soon as the handle *h* is released by pressing backwardly on the spring *i*, the spring *g* will at once throw said plate *f* upwardly into the closed position as shown in full lines in Fig. 1.

The plate *f* may be made in any desired manner, and may be provided with a cushion if desired or a covering of felt, soft rubber or any other suitable material, and the mouth piece *c* may be detached from the intermediate member or casing *d*, and said member or casing may be detached when desired for cleaning or other purposes, and when it is not desired to use my improvement the mouth piece *c* may be connected directly with the casing *a* in the usual manner, and it will be seen that my improvement does not involve any change whatever in the construction of the parts *a* and *c*.

With my improvement it will be apparent that in order to open the transmitter all that is necessary is to turn down the handle *h* as

the operation of the spring *i* is automatic, and in order to close the transmitter all that is necessary is to release the handle *h* and this may be done by pressing on the bottom thereof, or by pressing backwardly on the spring *i*.

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

10 1. The combination with the main casing and mouth piece of the transmitter of a telephone, of an intermediate casing detachably connected with the main casing and with which the mouth piece is detachably connected, said intermediate casing being provided transversely of the bottom portion thereof and of the outer end thereof with a rod which projects therefrom at one side and is provided with a handle, and a plate secured to said rod within said intermediate casing and adapted in one position to close the transmitter, said plate and rod being provided with a spring which normally holds said plate in position to close the transmitter.

25 2. The combination with the main casing and mouth piece of the transmitter of a telephone, of an intermediate casing detachably connected with the main casing and with which the mouth piece is detachably connected, said intermediate casing being provided transversely of the bottom portion thereof and of the outer end thereof with a rod which projects therefrom at one side and is provided with a handle, and a plate secured to said rod within said intermediate casing and adapted in one position to close the transmitter, said plate and rod being provided with a spring which normally holds said plate in position to close the transmitter, and said intermediate casing being provided at one side with a spring which operates in connection with said handle to hold said plate in a position to open the transmitter.

3. The combination with the main casing and mouth piece of a telephone transmitter,

of a supplemental casing placed between the main casing and the mouth piece, said supplemental casing being detachably connected with the main casing, and the mouth piece being detachably connected with the supplemental casing and the neck thereof projecting into said casing, said supplemental casing being flat on its bottom side and the outer end portion thereof being provided beneath the neck of the transmitter with a rod which is turned transversely therein and one end of which projects therefrom and is provided with a handle, a plate connected with said rod and adapted in one position to bear on the neck of and close the transmitter, said plate and said rod being provided with a spring which normally holds the plate in position to close the transmitter, and said supplemental casing being provided on its outer side with a spring which operates in connection with said handle to hold said plate in position to open the transmitter.

4. The combination with the main casing and mouth piece of the transmitter of a telephone, of an intermediate casing one end of which is detachably connected with the main casing and with the other end of which the mouth piece is detachably connected, said intermediate casing being provided with a rotary rod which passes transversely through and one end of which projects from one side thereof, and a plate secured to said rod within said intermediate casing and adapted in one position to close the passage through said intermediate casing and transmitter, and means for normally holding said plate in position to close said passage.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 3rd day of December 1908.

RICHARD L. WOODWARD.

Witnesses:

A. R. APPLEMAN,
C. E. MULREANY.