No. 811,140. PATENTED JAN. 30, 1906.

E. P. GARNEY.

TELEPHONE OR OTHER BOOTH.

APPLICATION FILED APR. 1, 1905.

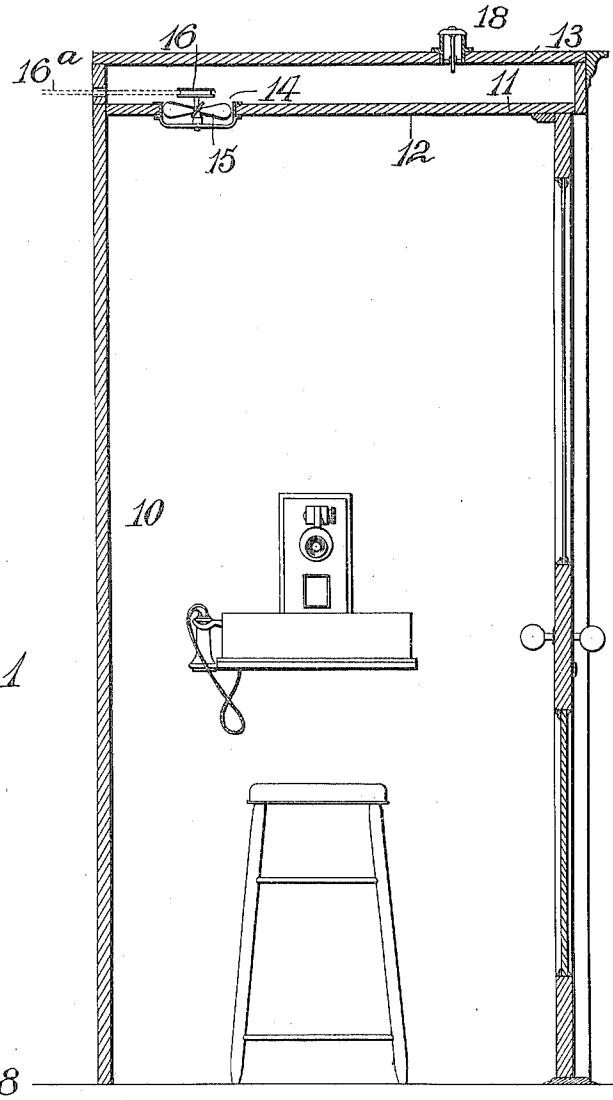


Fig. 1

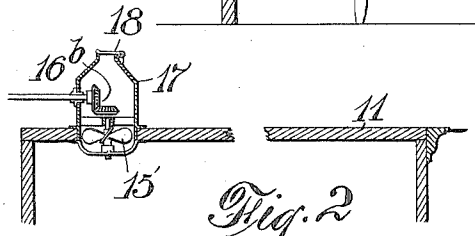


Fig. 2

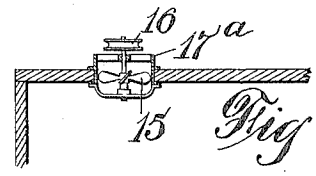


Fig. 3

WITNESSES:

Willis A. Barnes

Frank L. Stubbs.

INVENTOR.

Edythe Prudence Garney

BY

Wm. H. Canfield ATTORNEY.

UNITED STATES PATENT OFFICE.

EDYTHE PRUDENCE GARNEY, OF SCRANTON, PENNSYLVANIA.

TELEPHONE OR OTHER BOOTH.

No. 811,140. Specification of Letters Patent. Patented Jan. 30, 1906.

Application filed April 1, 1905. Serial No. 253,253.

To all whom it may concern:

Be it known that I, EDYTHE PRUDENCE GARNEY, of Scranton, in the county of Lackawanna and State of Pennsylvania, have invented a new and Improved Telephone or other Booth, of which the following is a full, clear, and exact description.

My invention relates to improvements in booths such as are used for telephone-work or for other purposes where privacy is requisite; and the object of my invention is to produce a booth and attachments therefor by which perfect ventilation is provided for the booth and also to provide means for preventing the transmission of sound, or rather articulate sound, from the booth. In carrying out this idea the general construction of the booth is not essential, as my invention can be applied to a booth of any type. An essential feature of my invention, however, is the employment of a fan or similar means for removing the foul air from the booth, which means serve to break and dissociate the sound-waves of vibration as they pass through the ventilating-opening, so that while the booth is perfectly ventilated and while sounds may issue the waves are so broken and disconnected that words are not recognizable. As a further means of making the booth sound-proof I can use in connection with the fan or air-removing device a valve which will operate automatically to seal the booth in case the exhauster or fan is not at work.

With these ends in view my invention consists of certain features of construction and combinations of parts, which will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a vertical section of a common form of telephone-booth, showing my improvements. Fig. 2 is a detail sectional view showing a slight modification of the invention; and Fig. 3 is a view similar to Fig. 2, but showing another modification of the ventilation means.

The booth 10 may be of any usual construction so far as its general make-up is concerned and is provided with a suitable door and with the ordinary telephone apparatus. It has preferably, but not necessarily, at the top an air-space 11, formed between the walls 12 and 13. Through the inner wall 12 is an opening 14, in which is located a rotary fan 15 or equivalent means of exhausting the air, and this can be driven by a pulley 16 and a suitable belt 16^a, or it may be driven by gearing 16^b, as in Fig. 2. In the drawings I have shown a fan operated by a belt or gearing; but it will be understood that the fan can be of any approved kind and operated in any mechanical way. As a matter of fact, an electric fan of any ordinary standard structure would most likely be used. Instead of using the fan as an exhauster it may simply be used to break the sound-waves which pass through the opening 14 and other means can be used for expelling the air. Where the space 11 is used or provided, the top wall 13 has preferably a pop-valve 18 of any suitable design which is self-closing, and which valve will open under the air-pressure caused by operating the fan and which will close, so as to seal the booth in case it is used when the fan is not in operation.

In Fig. 2 I have shown the fan 15 and its gearing 16^b inclosed in a housing 17, which has a flap-valve 18 at the top, while in Fig. 3 a casing 19^a incloses the fan, but opens directly into the outer air.

From the foregoing description it will be seen that the means for exhausting and ventilating the booth can be used either with or without the auxiliary valve that I provide for effectively breaking up the sound-waves, and that sufficient fresh air will enter through the door-crevices.

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

1. The combination with a telephone or similar booth, of a means for exhausting air from the booth, and means for breaking sound-waves in the exhaust-opening.

2. The combination with a booth having a ventilating-opening therein, of an exhaust-fan located in the opening and adapted to exhaust air from the booth and break up sound-waves.

3. The combination with a booth having a ventilating-opening, of a device located in the opening to distribute sound-waves, and a valve arranged behind the sound-wave-breaking de-

vice and between the said device and the outer air.

4. The combination with a booth having a chamber in its walls with an opening leading into the said chamber from the booth and into the outer air from the said chamber, of a sound-wave-breaking device located in the opening between the chamber and the booth, and a valve in the outlet of the said chamber.

EDYTHE PRUDENCE GARNEY.

Witnesses:
CHARLES DENISON,
WILLIAM RITTER.