

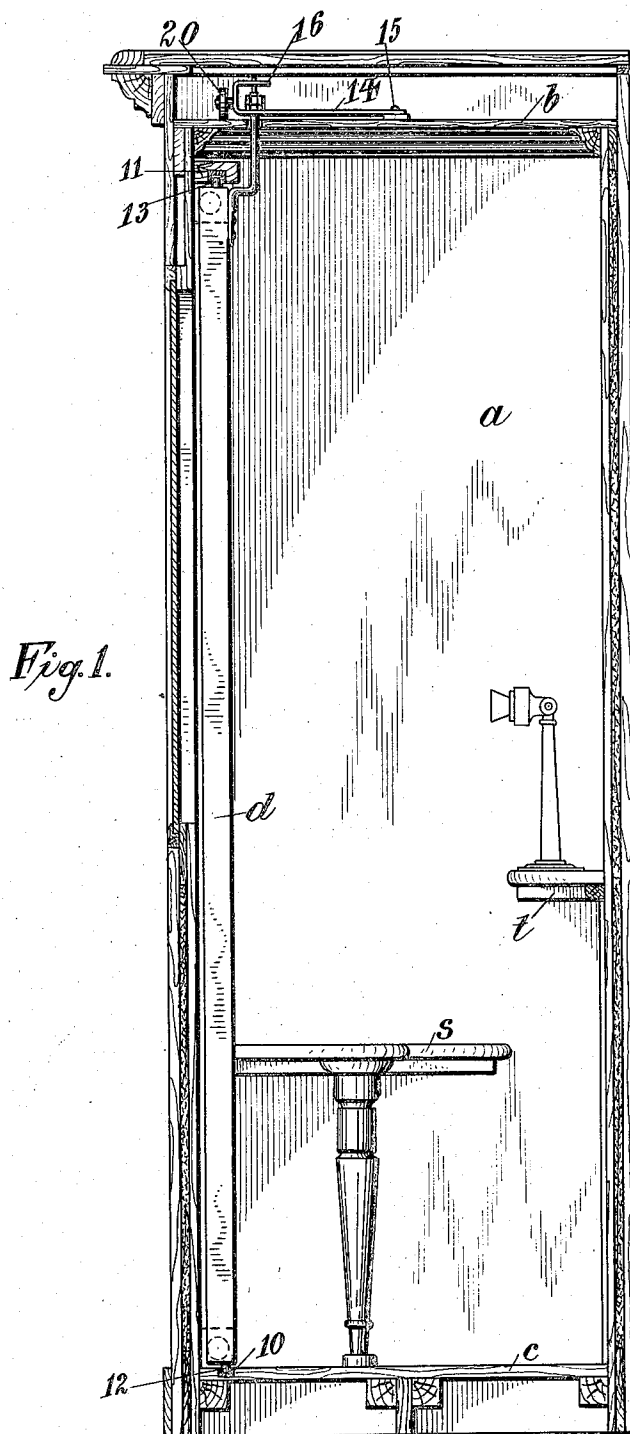
No. 848,116.

PATENTED MAR. 26, 1907.

B. F. MERRITT.
TELEPHONE BOOTH.

APPLICATION FILED JULY 14, 1906.

2 SHEETS--SHEET 1.



Witnesses
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Benjamin F. Merritt, Inventor,
By his Attorney N.B. Vansize.

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TELEPHONE BOOTH.
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2 SHEETS—SHEET 2.

Fig. 2.

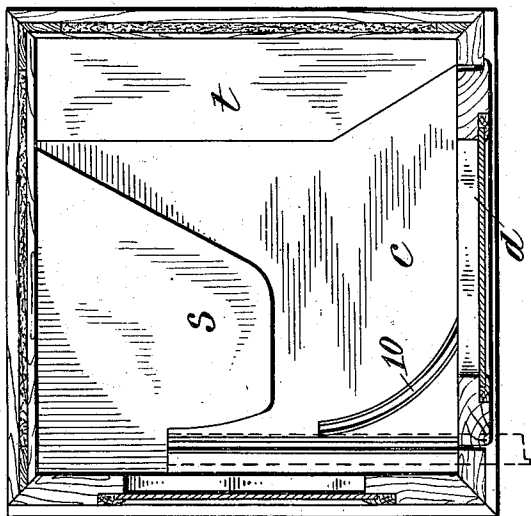


Fig. 3.

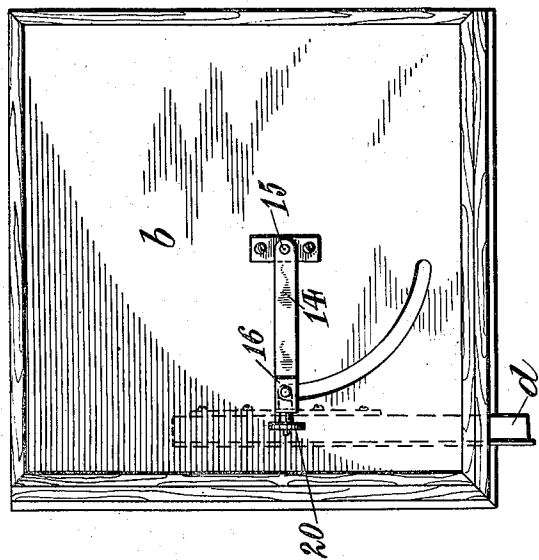
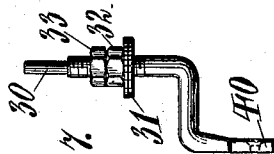


Fig. 7.

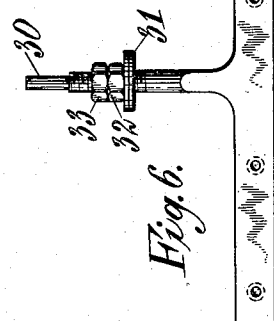


Fig. 6.

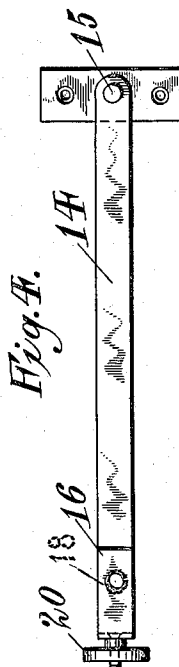


Fig. 4.

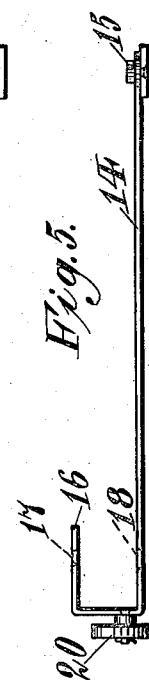


Fig. 5.

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UNITED STATES PATENT OFFICE.

BENJAMIN F. MERRITT, OF EAST ORANGE, NEW JERSEY, ASSIGNOR TO NEW YORK TELEPHONE COMPANY, A CORPORATION OF NEW YORK.

TELEPHONE-BOOTH.

No. 848,116.

Specification of Letters Patent.

Patented March 26, 1907.

Application filed July 14, 1906. Serial No. 326,174.

To all whom it may concern:

Be it known that I, BENJAMIN F. MERRITT, a citizen of the United States, and a resident of East Orange, county of Essex, State of New Jersey, have invented certain new and useful Improvements in Telephone-Booths, of which the following is a specification.

My invention relates to booths or inclosed stalls in which telephone instruments are located, so that communication may be held in privacy.

The object of my invention is to improve the means for supporting and operating the door in such a booth.

I provide a booth or inclosure having a floor and a ceiling. The door-opening extends substantially from the floor to the ceiling. There are guiding-grooves in the floor and ceiling, and pins on the top and bottom edges of the door run in these grooves. There is a pivoted radial arm above the ceiling. Its free end is bent back or returned, so that the terminal is U-shaped. A wheel or anti-friction device is pivoted at the junction of the two legs of the U-shaped terminal. The arm and the return section of the terminal are perforated to receive a threaded bolt. On this bolt between the legs of the U there is a nut and a set-nut. The other end of the bolt is fixed to a strap, and the strap is fixed to the door at its top edge at a point intermediate the vertical edges. The wheel travels on the top of the ceiling, and the radial arm, with its terminal returned, as described, to receive the bolt, steadies the bolt and the door. The bolt is separable from the radial arm, and the door can be adjusted as regards its height by changing the position of the nut.

The accompanying drawings illustrate my invention.

Figure 1 is a sectional front view of the booth with the door open. Fig. 2 is a sectional view showing the floor and lower portion of the booth. Fig. 3 is a section showing a plan of the ceiling. Figs. 4 and 5 are views of the pivoted radial arm, and Figs. 6 and 7 are views of the device for connecting the arm with the door.

a is a booth with a ceiling *b*, a floor *c*, a seat *s*, a telephone-table *t*, and a door *d*. This door swings in a horizontal plane and is controlled by grooves 10 in the floor *c* and 11 in or near the ceiling. A pin 12 in the bottom of the door between its vertical edges engages

the groove 10, and a pin 13 in the top of the door between the vertical edges engages the groove 11. On the ceiling *b* is a radial arm 14, pivoted at 15. Its terminal is returned or bent into U shape, as at 16. There is a perforation at 17 and a perforation at 18. On the free end of the arm 14 is pivoted a wheel 20. This wheel travels on the top of the ceiling and supports the door *d*. The door *d* is connected to the arm 14 by means of a bolt 30, having a screw-thread with a washer 31, a nut 32, and a set-nut 33. The lower end of the bolt 30 is made integral with a strap or plate of iron 40, suitably perforated and attached to the door *d* by means of screws at a point in its upper edge intermediate the vertical edges. The bolt 30 is passed through the perforations 18 and 17 in the arm 14, and the nut 32 is placed in position between the legs of the U-shaped terminal of the arm 14.

By changing the position of the nut on the bolt the position of the door *d* may be regulated or adjusted, and the form and arrangement given the arm 14 enables the single bolt 30 to hold the door *d* steady in the required operative position.

Washer 31, Figs. 6 and 7, is designed to increase the surface contact with the radial arm 14 and to prevent any relative movement between the nut 32 and the radial arm 14 from exerting a tendency to unscrew the nut 32.

The radial arm 14, with its U-shaped terminal, provides a long bearing for the bolt 30 and holds the door in a vertical position against any tendency to vary from such vertical position due to a force applied to the door to produce the movement thereof. This U-shaped terminal on the radial arm 14 prevents the bolt 30 from binding in the arc-shaped groove or passage in the ceiling. The washer 31, the nut 32, and the set-nut 33 provide means for varying the height of the door or varying the space separating the door from the ceiling on one edge and from the floor on the other edge. The perforation 17 (see Fig. 5) in the return member 16 of the arm 14 is smaller than the perforation 18 in the arm 14. This is shown in Fig. 3, where the two holes are represented as concentric.

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

A booth having a roof or covering, a ceil-

ing separated a fixed distance from said roof,
and a suitable floor in combination with a
door swinging and moving in a horizontal
plane, guiding-grooves in the ceiling and in
5 the floor, projections in the upper and lower
edges of the door engaging said guiding-
grooves, a pivoted, radial arm above the ceil-
ing having its free end turned back to form a
U-shaped terminal, a supporting-wheel sup-
10 ported on the free end of said arm and trav-
eling on the upper side of said ceiling and a

mechanical connection between the upper
edge of said door and the free end of said arm
consisting of a threaded bolt extending
through the U-shaped terminal of the arm, 15
means for fixing the bolt to the door and
means for adjustably connecting said bolt
with said arm.

BENJ. F. MERRITT.

Witnesses:

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