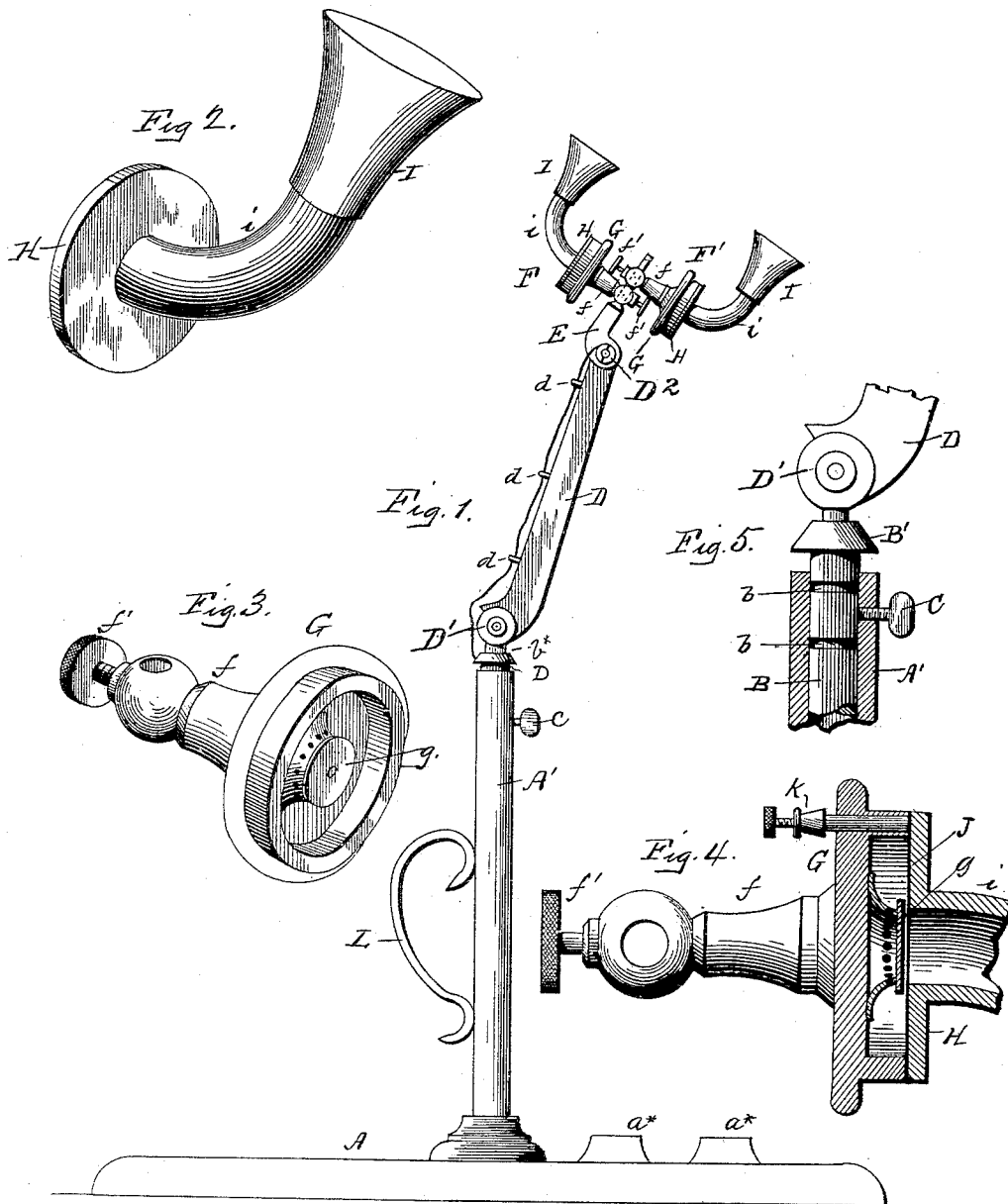


(No Model.)

J. A. CHRISTY.  
TELEPHONE HOLDER.

No. 467,917.

Patented Feb. 2, 1892.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

JAMES A. CHRISTY, OF SAN FRANCISCO, CALIFORNIA, ASSIGNOR OF PART  
TO BERNARD SCHRAFL AND F. E. WAIT, OF SAME PLACE.

## TELEPHONE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 467,917, dated February 2, 1892.

Application filed July 12, 1890. Renewed July 9, 1891. Serial No. 398,896. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES A. CHRISTY, a citizen of the United States, residing in the city and county of San Francisco, State of California, have invented new and useful Improvements in Telephones, of which the following is a full, clear, and exact description.

My invention relates to improvements in telephones, and has for its object the provision of a portable support for telephones, and also a compact and suitable telephone for use in such connection.

The support consists of three parts jointed together and a stand in which one of said parts is made adjustable and rotatable. The telephone transmitter and receiver are connected to the upper joint of the three in such a way as to be both longitudinally and circularly adjustable thereon.

Each of the telephone-instruments is provided with a body or case for receiving the operating parts of the telephone and with a rear shank having a set-screw for fixing it on the support and a mouth or ear piece on the front.

The following detail description will more fully indicate the nature and purpose of my said invention and the manner in which I construct and use the same.

The accompanying drawings illustrate my said invention.

Figure 1 is an elevation of the stand and support with the transmitter and receiver attached. Fig. 2 is a perspective view of the mouth-piece and the part of the instrument to which it is attached. Fig. 3 is a perspective view of the rear portion of the instrument. Fig. 4 is a section taken across the sound-chamber. Fig. 5 is a section of a portion of the hollow standard or stand with the adjustable and rotatable bar in place therein.

Similar letters of reference indicate corresponding parts in all the figures where they occur.

A is a weighted base, and A' a hollow standard fixed thereupon, which is open at the top to receive the bar or rod B, which constitutes the lower length or section of the jointed telephone-support. This rod B is provided with

a series of grooves *b b*, extending around it at different heights to engage a set-screw or stop C, let through the walls of the standard to hold the bar at any desired elevation and to permit its rotary movement in the standard. On the top of rod B a cap is placed to cover the top of the standard and make a neat finish when the rod is down and also to form a stop to limit the downward movement of the rod. The second section of the jointed support is the bar D, jointed to the stud *b\** on the rod B and carrying the loops *d d*, through which the telephone-wire is to be run. To the upper or outer end of the bar D the bent lever or arm E is hinged, which constitutes the third section of the support to which the telephone-instruments are attached. The hinges have screw-pins, as shown, for keeping them tight.

Both the hinges D' and D<sup>2</sup> are set vertically, so that the movement upon them is always in a vertical direction. The circular movement necessary to make the device useful in many positions all comes from the rotation of bar B in the stem A. This renders the device capable of ready and convenient use, whether the user is sitting or standing, as it is apparent that the telephone can be used at the elevated position shown in Fig. 1 or in any position between that and the lowest position to which the telephone is capable of being depressed, which will be nearly or quite as far below the hinge D' as it is shown above it in Fig. 1.

It will be seen that with the form of support the telephone can be used in any situation and can be turned and adjusted in the standard and the jointed sections adjusted on their hinges to meet the mouth or ear of the user in any position. This facility is further increased by the fact that the telephone-instruments are secured to the arm E in such a way as to be adjustable longitudinally thereon and also have capacity to be turned circularly and set on said lever, as will presently appear.

F F' are the transmitter and receiver, both of which are of the same construction. Each is provided with a rear shank *f*, having a hole in it for the reception of the lever E, and a

set-screw  $f'$  to pinch and hold the instrument upon the lever. It will be seen that the instruments are thereby rendered both longitudinally and circularly adjustable on the said lever.

The shanks  $f$  are secured to the body portion  $G$ , which carries the air-distributing electrode  $g$ , which is described and claimed in an application for patent filed by me on the 1st day of December, 1890, Serial No. 373,100.

To the rear body portion  $G$  the front body portion  $H$  is attached, and to this is secured the mouth or ear piece  $I$ , which is a funnel-shaped device connected to the part  $H$  by a curved tubular neck  $i$ . The parts  $G$  and  $H$  may be and preferably are made of rubber.

The diaphragm  $J$  is held in the sound-chamber produced by the two parts  $G$  and  $H$ , as is also the air-distributing electrode  $g$ . A binding-post  $k$ , making connection to the diaphragm, receives the line in one direction, while the part  $g$  and rear shank connect the line in the opposite direction through the jointed support. A handle  $L$  may be provided on the standard  $A'$  by which to carry the device, and ink-wells  $a^*$  may be provided on the base  $A$ .

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A telephone-support consisting of a hol-

low standard, a rod having a vertical adjustment therein and easy rotation or circular movement at the several points of adjustment, and two bars or sections vertically hinged to each other and to the rod, as set forth.

2. A telephone-support consisting of a rotatable rod having a suitable support, a bar vertically hinged to the rod, and a telephone-receiving arm vertically hinged to the bar, as set forth.

3. In a telephone-support, a hollow standard having a set-screw or stoplet through its wall, a movable rod let into said standard, having circular grooves to receive the screw and a cap to fit upon the top of the standard, and vertically-hinged sections connected to the rod, as set forth.

4. The combination, with a base, of a hollow standard, a vertically-adjustable and rotatable rod held therein, an arm or arms hinged to the rod to have vertical movement on their hinges and rotation with the rod at any point of its adjustment, and a telephone having a central rearwardly-extending stud provided with means for receiving the arm, as set forth.

JAMES A. CHRISTY.

In presence of—

THOMAS W. COSGROVE,  
BERNARD SHRAFL.