K. L. STANDISH.

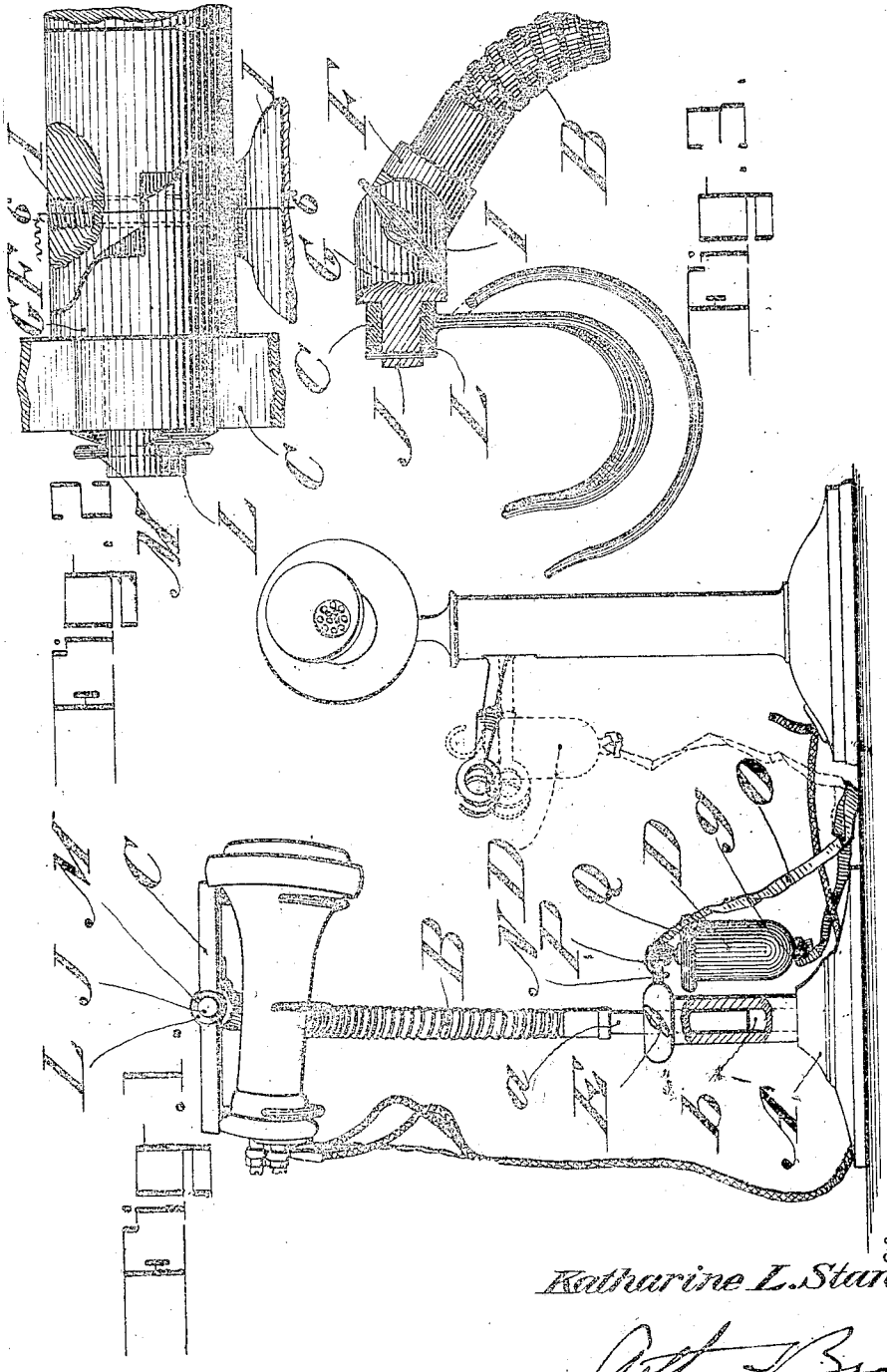
TELEPHONE RECEIVER SUPPORT.

APPLICATION FILED SEPT. 21, 1917.

1,306,445.

Patented June 10, 1919.

2 SHEETS—SHEET 1.



Inventor

Katharine L. Standish.

By Wilkinson & Brown

Attorney

K. L. STANDISH.

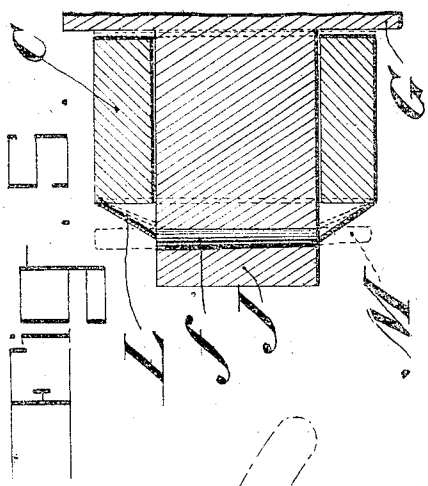
TELEPHONE RECEIVER SUPPORT.

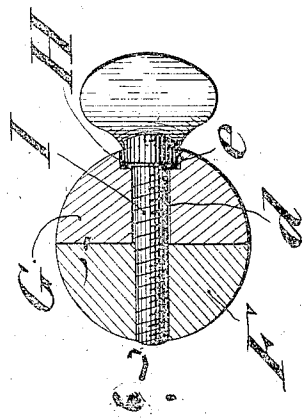
APPLICATION FILED SEPT. 21, 1917.

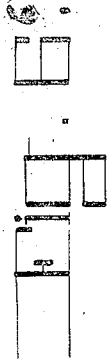
1,306,445.

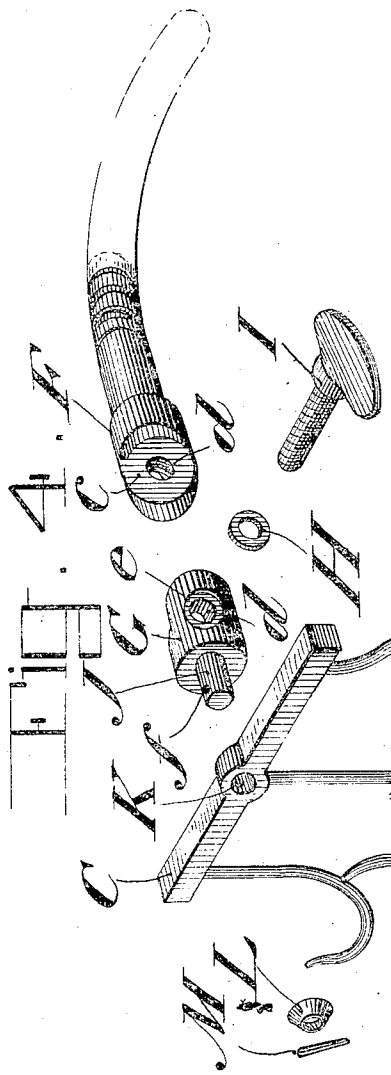
Patented June 10, 1919.

2 SHEETS—SHEET 2.









Inventor

Katharine L. Standish.

By Arthur Brown

Her Attorney

UNITED STATES PATENT OFFICE.

KATHARINE L. STANDISH, OF NEW YORK, N. Y.

TELEPHONE-RECEIVER SUPPORT.

1,306,445. Specification of Letters Patent. Patented June 10, 1919.

Application filed September 21, 1917. Serial No. 192,545.

To all whom it may concern:

Be it known that I, KATHARINE L. STANDISH, of the city of New York, county and State of New York, have invented a new and Improved Telephone-Receiver Support, of which the following is a specification.

The present invention relates to a support for telephone receivers and is designed for the entire convenience of the user, being adjustable in any plane or direction, so as to bring the receiver when placed upon the support in proper position against the ear, relieving the user of the necessity of holding the receiver to the ear with the hand, and thereby leaving both hands free for taking notes of the conversation, as may be desired.

The adjustment is so simple that subsequent users can readily change the height or angle to accommodate themselves with a minimum amount of trouble.

The invention also includes an attached switch-weight which is adapted to take the place of the receiver in making and breaking the circuit of the telephone instrument leading to the central operator.

Figure 1, is a front view of the standard constituting the present invention (parts being broken away to facilitate illustration) together with an ordinary telephone instrument showing the operative relation of the two. Fig. 2, is an enlarged top view, parts being broken away, of the joints at the upper end of the standard. Fig. 3, is a side elevation of the upper end of the standard, parts being broken away. Fig. 4, is a juxtapositioned perspective of the various parts of the upper end of the standard. Fig. 5, is an enlarged cross section of the spring washer and parts which it retains in place. Fig. 6, is a cross-section in the plane indicated by the line 6—6 in Fig. 2.

The standard or telephone receiver support comprises a base A, a flexible arm B, and a bar C, carrying three hooks, of different proportions to accommodate a telephone receiver, hereinafter called "the receiver-holder." Also constituting a part of the present invention is the attached switch weight D.

The flexible arm B, is of well known construction, as shown for example in the United States Letters Patent of W. S. Arnold, 625,917, May 30, 1899. Attached to its lower end is a solid rod *a*, the lower end of which is of smaller diameter, and slides in a socket *b*, in the base A, thereby providing for vertical adjustment of the receiver holder. The shaft is maintained at its various heights by means of a thumb-screw E, which when turned entirely inwardly presses against the rod *a*. At the upper end of the flexible arm B, and interposed between it and the receiver-holder C, are two joints which when in any given position permit of adjustment of the receiver-holder in two different planes and which position can be changed by simply bending the flexible arm B, in a new direction, and no matter what position the flexible arm B, is placed in, the receiver-holder is always adjustable in two different planes from that position.

For convenience of illustration and description, it will be assumed that the position of the standard in Fig. 1, is the front view and that from this position the receiver-holder is adjustable vertically and horizontally. The joint permitting the vertical adjustment consists of member F, attached to the upper end of the flexible shaft, and member G. Both members F and G, have cylindrical bases, and each has a similar cut-away portion, shown at *c*, on member F. Also each member has through the center of the cut-away portion an aperture *d*, which when the parts are in their relative positions register with each other. The aperture in member F, is provided with screw threads. Member G, has on the opposite side from its cut-away portion, and surrounding the aperture *d*, a countersink *e*, into which fits a metal washer H. The two members F and G, are assembled with their cut-away portions face to face. The washer H, is then put in place, and turn-key I, which is provided with screw threads to cooperate with the screw threads of aperture *d*, in member F, is screwed home, thereby effectively locking the two members of the joint together, forming the complete joint shown in Fig. 2. This joint therefore has a semi-circular adjustment and in the assumed position, in a vertical plane, extending at right angles to the hole *d*.

The cylindrical base of member G, has a stud J. Near the outer end of this stud is a transverse hole *f*. The stud J, passes through a hole K, in the middle of the receiver-holder bar. After the receiver-holder is put in place, a spring washer L, is put upon the stud J, and the two parts (receiver-holder and spring washer) are held in fric-

tional engagement by the insertion of pin M, in the hole *f*, of the extension J, (see Fig. 5). The receiver-holder is thereby permitted to move in a plane at right angles with that of the joint formed by members F and G, and in a complete circle as distinguished from the semi-circular adjustment of the joint F, G. The friction lock caused by the spring washer when pressed against the receiver-holder C, by the pin M, as shown in Fig. 5, is sufficient to hold the receiver-holder in any position in which it is placed, even after the receiver is placed upon the hooks.

It will be apparent that by straightening the flexible arm B, and bending it either to the right or left of the position in Fig. 1, or the assumed position, a new range of movements may be had, in which the joint formed by members F and G, would give an adjustment in a horizontal plane as contrasted with a vertical adjustment heretofore described.

Therefore by bending the flexible arm in different directions any desired range of movements may be had, equivalent in all to a universal joint. Also, by bending the flexible arm B, at any place in its length, various heights can be obtained as well as by the adjustment provided by turn-key E, on the base A.

The complete flexibility and movability of this standard and its parts permits the receiver-holder to be readily turned aside when not in use, or put away, if desired.

For the convenience of users, the present invention provides a switch weight D, to be used in place of the receiver for making and breaking the electric circuit in the telephone instrument necessary for the carrying on of a conversation. The base A, of the standard is provided with a screw eye N, to which is fastened one end of a ribbon or cord O. The other end of this ribbon or cord O, is fastened to the bottom of the switch weight D, as shown at *g*. The top of the switch weight D, is provided with a hook P, which engages with screw eye N, as a convenient place to hang the switch weight when it is not to be used upon the telephone instrument.

When it is desired to leave the receiver upon the receiver-holder C, Fig. 1, after a conversation is over, the switch weight is used to break the circuit to the central operator by being hung upon the receiver hook of the telephone instrument, the switch weight D, being provided with an enlarged top or head Q, for this purpose. Such use of the switch weight is shown in dotted lines in Fig. 1. It is then only necessary to remove the switch weight from the telephone instrument in order to begin another conversation, the receiver being already in position adjusted to the user's ear.

I claim—

1. A telephone receiver support having, in combination, a base having therein a longitudinal socket, a thumb-screw in said base, a flexible arm vertically adjustable at one end in said socket by means of said thumb-screw, a joint on the other or upper end of said flexible arm consisting of two members permitting a semi-circular range of movements in one plane, a receiver-holder carried on an extension of one member of said joint, a spring washer, a pin fitting in said extension, said receiver-holder being frictionally held in place by means of said spring washer being pressed against said holder by said pin, the joint thereby formed permitting a circular range of movements in a plane at right angles to the adjustment of the other joint, these planes however being subject to change by changing the direction of bend of said flexible arm, and an attached switch weight for making and breaking the electric circuit of the telephone instrument, said switch weight having an enlarged head which enables it to rest upon the switch hook of the telephone instrument in lieu of the telephone receiver when it is desired to break the circuit, a screw eye in said base, a hook in the top of said switch weight coöperating with said screw eye when it is desired to hang the weight in a convenient place out of the way of the user when it is not to be used to break the aforesaid electric circuit.

2. A telephone receiver support having, in combination, a base with a longitudinal socket, a flexible arm vertically adjustable at one end in said socket, a joint at the upper end of said flexible arm consisting of two members permitting a circular range of movement in one plane, one of said joint members being secured to said flexible arm and the other joint member having a projecting stud, means for clamping said two members together after adjustment, a receiver-holder having hooks to support a telephone receiver, said holder being carried by and turning on said stud in a plane at right angles to the plane of movement of said joint members, and a spring frictionally retaining said holder in any position of its adjustment but permitting the turning of said holder on said stud.

In witness whereof I have hereunto signed my name.

KATHARINE L. STANDISH.