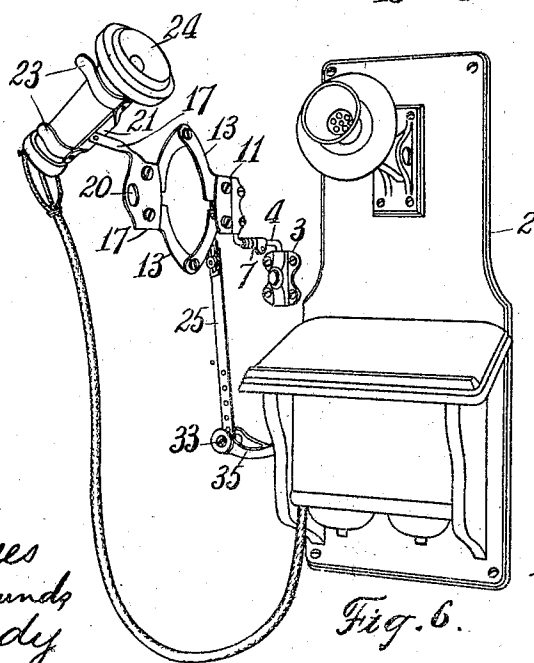
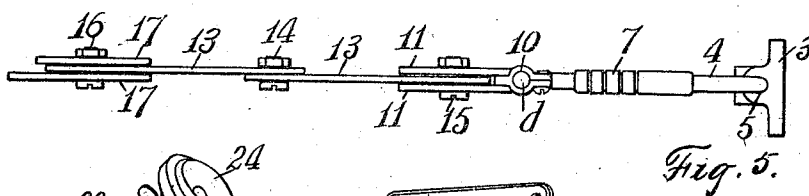
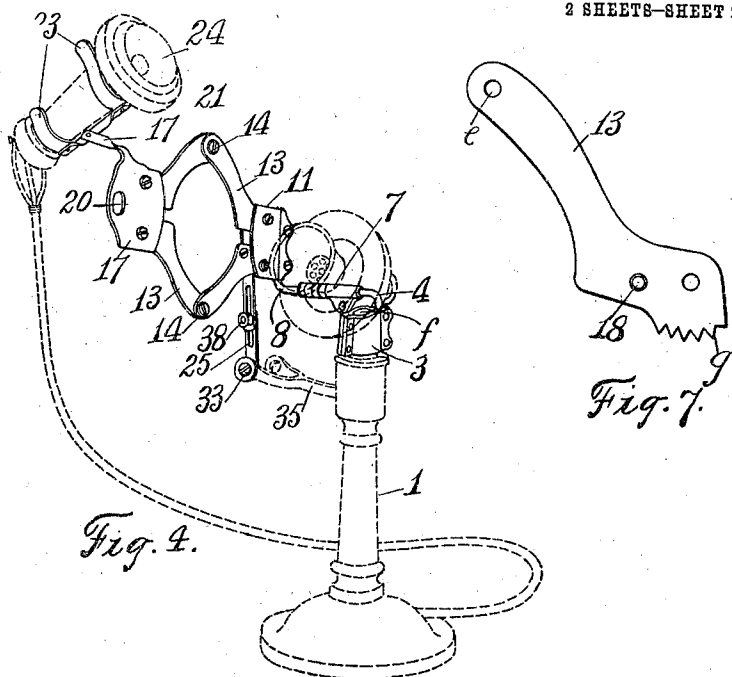


S. O. LANCASTER.
 AUTOMATIC ADJUSTABLE HOLDER FOR TELEPHONE RECEIVERS.
 APPLICATION FILED MAR. 14, 1910.

984,679.

Patented Feb. 21, 1911.

2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

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AUTOMATIC ADJUSTABLE HOLDER FOR TELEPHONE-RECEIVERS.

984,679.

Specification of Letters Patent.

Patented Feb. 21, 1911.

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To all whom it may concern.

Be it known that I, SEWARD ORTON LANCASTER, a subject of the King of Great Britain, and a resident of the city of London, in the county of Middlesex, in the Province of Ontario, Canada, have invented a new and useful Automatic Adjustable Holder for Telephone-Receivers, of which the following is a specification.

This invention relates to a device designed for supporting telephone receivers, which will enable the speaker to talk close to the mouth piece thereby obtaining the best results from the telephone, one in which the speaker has the free use of both hands to enable him when listening or speaking to examine documents, etc., or hold a book or paper while writing or taking memoranda or notes, one which by simply pulling out the carrying arms toward you the connection is obtained, or by folding the carrying arms or pushing them from you the connection is cut off, one which can be readily and easily adapted to persons of different size, and one which is adapted to be used on any telephone, and it also consists of the improved construction and novel combination of parts of the same as will be hereafter first fully set forth and described and then pointed out in the claims, reference being had to accompanying drawings forming part of this specification, wherein:—

Figure 1 is a side view of a telephone receiver or holder embodying my invention. In this view the carrying arms are extended or shown open. Fig. 2 is another view of same showing the carrying arms folded. Fig. 3 is another front end view of same showing the telephone in position, and the telephone receiver and how the latter is adapted to large or small persons. Fig. 4 shows the device applied to a movable desk phone, the latter being shown in dotted lines. Fig. 5 is a plan view of the telephone receiver shown in Fig. 1. Fig. 6 shows the device applied to a stationary wall telephone. Fig. 7 shows one of the carrying arms provided with teeth at one end, which engage with the teeth of the opposite arm to hold the device rigid, so that it will not collapse.

In the accompanying drawings;—The numeral 1 indicates a desk telephone shown in dotted lines in Fig. 4, and the numeral 2 a stationary wall telephone.

3 indicates a bracket which is intended to be secured to the wall as shown in Figs. 1, 2, and 6, or to the stand of the desk telephone as shown in Fig. 4. This bracket may be made of any size or shape and with one or more sockets to suit different cases, and the second socket, *f*, where it goes around the stand of the desk telephone is to be rubber or felt lined as desired.

4 indicates an angular rod one end, *a*, of which is inserted in the socket 5 of the bracket 3, and 6 is a set screw which extends through the bracket 3 to hold the end *a*, of the angular rod 4 in the bracket 3 at any pivotal position to which it may be adjusted. 7 indicates a sleeve in which the other end, *b*, of the angular rod 4, and one end, *c*, of the angular rod 8 is inserted and is held therein by a set screw 9, and the end, *d*, of the angular rod 8 is inserted and held in the socket 10 of the clasp 11 by a thumb nut or set screw 12.

13 designate carrying arms or lazy tongs provided with teeth, *g*, at one end as shown in Fig. 7, and these carrying arms 13 are hinged together at the center by the pivot screws 14, passing through the pivot holes, *e*, and at one end the inner arms 13 are pivotally secured to the clasp 11 by the pivot screws 15, and the outer ends of the outer arms 13 are pivotally secured at their ends by the pivot screws 16 to the clasp 17, and between the sides of these clasps 11 and 17 the serrated ends, *g*, of the carrying arms 13 are held in place.

18 designates a raised point on the carrying arm 13^a which is fitted to click in and engage with the recess 19 on the inside of the clasp 11, for the purpose of holding the carrying arms 13 from moving when closed as shown in Fig. 2.

20 indicates a finger hold formed in the clasp 17 which is used for convenience in drawing the telephone receiver out, as shown in Fig. 1, or folding it up, as shown in Fig. 2. The clasp 17 is bent, as shown in Figs. 3, 4 and 6, and is pivotally secured to the bed 21, upon which the receiver rests, by a pivot screw 22.

23 indicate metal spring bands which are rigidly secured to the bed 21 and extend partially around the receiver 24 to hold the latter in place.

25 is an extension bar which is pivotally secured at one end to one of the carrying

arms 13^b by a pivot screw 26 shown in Figs. 1 and 2, and this extension bar 25 is adapted to be made any length required by a nut 27 on screw 28 and the latter extends through the recesses or openings 29 and 30 of the sections *h*, and, *i*. This screw 28 is provided with a head 27, and next to this head 27 the sections, *h*, and, *i*, of the extension bar 25 are placed, the openings 29 and 30 in said sections, *h*, and, *i*, respectively, permitting sections, *h*, and *i*, to be so placed; and next to the section *i*; a jam nut 31 is placed on said screw 28 and beyond this jam nut 31 a nut 32 is placed on said screw 28, so that when properly adjusted the nuts 31 and 32 hold the sections, *h*, and, *i*, on the screw 28 the proper length required.

33 indicates a screw provided with an enlarged head 34 which connects the lower end of the bar 25 to a hook switch 35 and between this hook switch 35 and the lower end of the extension bar 25, and extending in between the hook switch 35 and the screw 33 a vulcanized rubber washer 36 is inserted which being placed in the position stated makes it possible to cause a short circuit and at the same time will not interfere with the service, or hanging of the receiver on the hook switch, if desired, and a nut 37 on this screw 33 holds the whole together.

The operation is as follows: By grasping the finger hold 20 with the fingers and drawing out the carrying arms 13, as shown in Fig. 1, the electrical connection is made, because the extension bar 25 secured at one end to said carrying arm 13^b and at the other end to the fork 35 of the telephone is higher, and again when the carrying arms 13 are folded up, as shown in Fig. 2, the extension bar 25 is lower than when the carrying arms 13 are drawn out, thus in pulling the carrying arms out, as shown in Fig. 1, they are higher and the electrical connection is made while in Fig. 2 the point at which the extension bar 25 is secured to the carrying arms 13^b is lower and the electrical connection is cut off.

As shown this telephone receiver is applicable to movable desk telephones or stationary wall telephones, or telephones of any other description.

This telephone receiver as shown in Fig. 3, may be adjusted to the position shown by horizontal solid lines, or to the elevated position shown by dotted lines, so that the telephone may be adapted to persons of any height, and at the same time enable different sized persons to talk close to the mouth piece, thereby the different size or classes of persons may obtain the best results from the telephone receiver described, at the same time the telephone receiver holds the telephone, thus leaving both hands of the speaker free, and enables him to listen and

speak or to examine documents, etc., or to hold a book or paper while writing.

Having thus described my invention, I claim:

1. A telephone receiver support comprising carrying arms pivotally connected together, clasps at the ends to which said arms are pivotally connected, and the oppositely disposed faces of said carrying arms provided with teeth, a support, a holder for the telephone secured to the outer clasp, the inner clasp secured to said support, an extensible bar formed in two sections, each section thereof provided with a recess, screws extending through said recesses, nuts threaded upon said screws, said extension bar pivotally secured at one end to the adjacent carrying arm, and the other end of the bar pivotally secured to the hook of the telephone.

2. A telephone receiver support comprising carrying arms pivotally connected together, clasps at the ends of said carrying arms to which they are pivotally connected, and the oppositely disposed faces of said carrying arms provided with teeth, one of said arms being formed with a raised portion and the adjacent clasp formed with a recess into which said raised portion is adjusted to hold said arms in their closed position.

3. A telephone receiver support comprising carrying arms pivotally connected together and clasps at each end to which said carrying arms are pivotally connected and the oppositely disposed faces of said carrying arms provided with teeth, a stationary support, a holder for the telephone secured to the outer clasp and the inner clasp secured to said stationary support, in combination with an adjustable bar secured at one end to one of said carrying arms and at the other end to the hook of the telephone.

4. A telephone receiver support comprising carrying arms pivotally connected together, clasps to which said carrying arms are pivotally connected and the oppositely disposed faces of said carrying arms formed with teeth, a bed secured to the outer clasp and metal spring bands secured to said bed, in combination with a support to which one of the clasps is secured, an adjustable bar secured at one end to one of said carrying arms and at the other end to the hook of the telephone, another of said arms being formed with a raised portion, the adjacent clasp provided with a recess adapted to receive said raised portion for holding said arms in their closed position.

5. A telephone receiver support comprising carrying arms pivotally connected together, clasps to which said carrying arms are pivotally connected, and the oppositely disposed faces of said carrying arms provided with teeth, a holder for the telephone

secured to the outer clasp, an angular rod secured to said inner clasp, a sleeve secured to said angular rod, another angular rod secured to said sleeve and a bracket to which the latter angular rod is pivotally secured.

6. A telephone receiver support comprising carrying arms pivotally secured together, clasps to which said carrying arms are pivotally secured, a support, a holder secured to said outer clasp and the inner clasp secured to said support, in combination with an extension bar formed in two sections, each section formed with a recess, screws extending

through said recesses in said sections of said extension bar, nuts on said screws, said extension bar pivotally secured at one end to the adjacent carrying arm and at the other end pivotally secured to the hook of the telephone.

In testimony whereof, I have signed in the presence of the two undersigned witnesses.

SEWARD ORTON LANCASTER.

Witnesses:

P. J. EDMUNDS,

T. H. LUSCOMBE.