

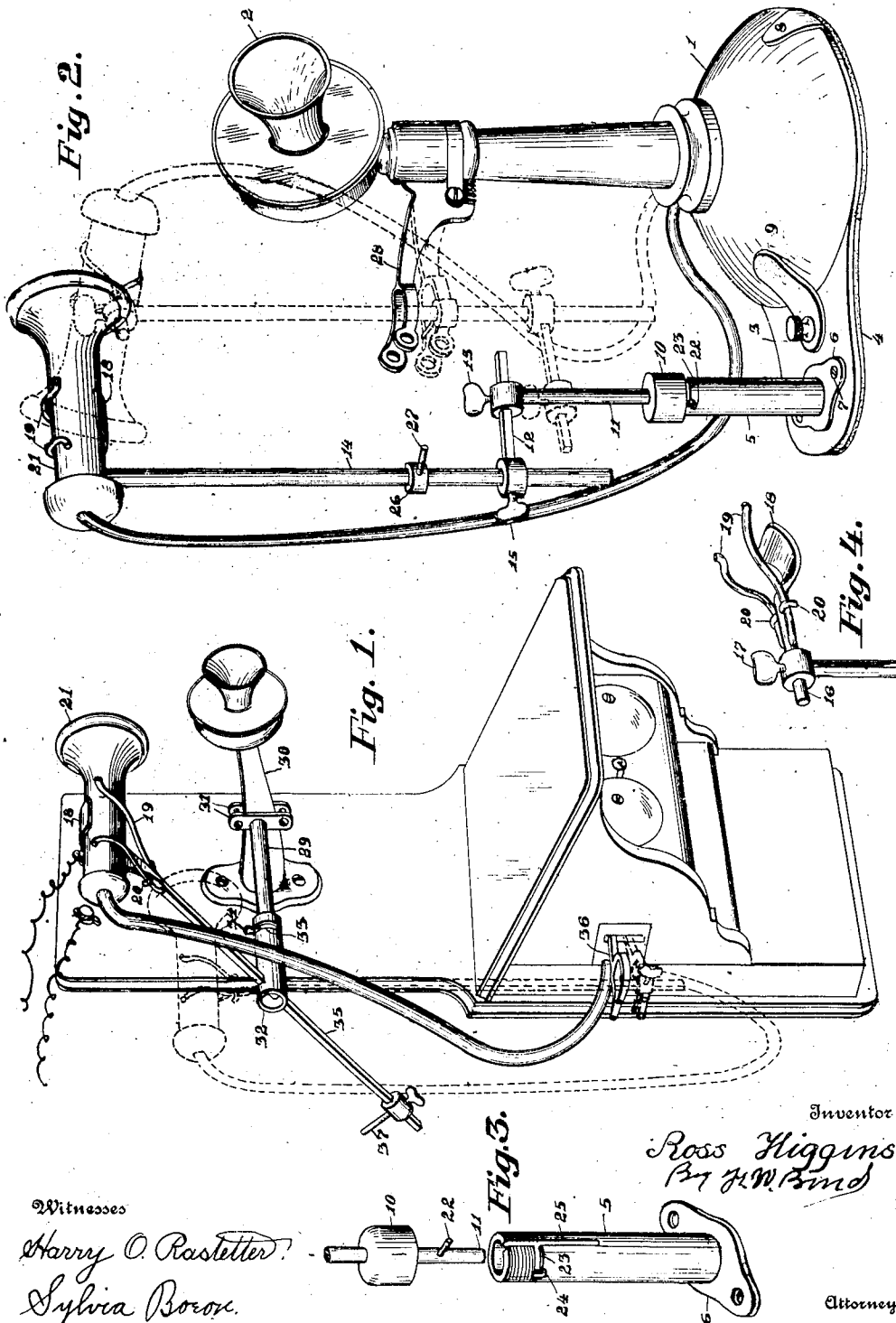
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R. HIGGINS.

ADJUSTABLE SUPPORT FOR TELEPHONE RECEIVERS.

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Witnesses

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# UNITED STATES PATENT OFFICE.

ROSS HIGGINS, OF CANFIELD, OHIO.

## ADJUSTABLE SUPPORT FOR TELEPHONE-RECEIVERS.

No. 869,368.

Specification of Letters Patent.

Patented Oct. 29, 1907.

Application filed February 27, 1907. Serial No. 359,623.

To all whom it may concern:

Be it known that I, Ross Higgins, a citizen of the United States, and resident of Canfield, in the county of Mahoning and State of Ohio, have invented new and useful Improvements for Adjustable Supports for Telephone-Receivers, of which the following is a specification.

The object of my invention is to provide means for supporting a telephone receiver in such a manner that it can be moved to a position near the ear of the person using the transmitter, and when so moved the circuit will be closed and when returned to its original position will break the circuit which shall be adapted for application to telephone apparatus such as now is used and which will do away with the annoyance and trouble of holding the receiver by hand, thereby leaving both hands of the person using the phone free to make any memorandum, or do any other act during the time he is talking into the transmitter, and while the receiver is at his ear.

The accompanying drawings illustrate a type of the support and two illustrations of its combination with the well known telephonic apparatus, the same being constructed and arranged in such a manner that little inconvenience is had when the device is brought into use.

In the accompanying drawing:—Figure 1 is a perspective view showing my improved holder attached to a wall telephone and ready for use. Fig. 2 is a similar view showing my improvement attached to a desk telephone. Fig. 3 is a detached view of the base socket and illustrating a portion of the lower receiver supporting rod, and the guide cap. Fig. 4 is a detached view of the holding clip designed to hold the receiver.

Similar numerals of reference indicate corresponding parts in all the figures of the drawing.

In the accompanying drawings, 1 represents an ordinary and common desk transmitter base and support, which is constructed in the usual manner and within itself has no particular reference to the present invention. The transmitter 2 is also of the usual construction and is connected to the support in the usual manner. The transmitter base is preferably located upon the plate 3, the bottom or under side of which is provided with the non-metallic strip or lining 4, which is for the purpose of preventing the marring of the furniture upon which the transmitter base together with the different parts belonging thereto is placed. To the plate 3 is attached the socket or short tube 5, by means of the integral or attached flange 6 and the screws 7. The plate 4 is provided with any desired number of retaining clips 8 and 9, which clips are for the purpose of connecting the base 1 together with the different parts connected thereto to the plate 3, so that all of the parts may be self contained and moved without danger of disarranging the parts. The tube or socket 5 is screw

threaded at its top or upper end and is so formed for the purpose of connecting the guide cap 10, which guide cap when brought into proper position as illustrated in Fig. 2 forms a proper guide for the longitudinal movement and rotary movement of the lower receiver supporting bar 11. To the top or upper end of the bar 11 is adjustably attached the horizontal bar 12, which bar is held in fixed adjustment by means of the thumb-nut 13. The horizontal bar 12 is provided at its outer end with an aperture, through which the upper receiver supporting rod 14 passes and is held in fixed vertical adjustment by means of the thumb-nut 15 or its equivalent. To the top or upper end of the bar 14 is adjustably attached the bar 16 which bar is held in fixed adjustment by the thumb nut 17. The bar 16 is provided with the curved receiver holder portion 18, and for the purpose of clamping the receiver the spring arms 19 are provided, which arms are attached to the rod 16 in any convenient and well known manner. The rod 16 is provided with the holding tangs 20 which are for the purpose of preventing the spring arms 19 from moving away from the receiver holder 18 or in other words to provide a means for properly clamping the receiver 21, so that it will not become accidentally detached. The object and purpose of providing two spring arms is to provide for the proper clamping of different shaped telephone receivers. It will be understood that some receivers are straight, a portion of their length, and others are tapered, but by providing the two arms or spring fingers I am enabled to properly hold the receiver regardless of its shape.

When it is desired to bring the receiver into position for use, it is elevated until the pin 22 strikes the bottom of the cap 10, at which time the pin is in position to enter the slot 23, thereby permitting a particular rotary movement of the supporting rod 11, and when the pin 22 comes directly opposite the slot or recess 24 the rod 11 together with the receiver is permitted to move downward and the pin 22 engage the slot or recess 24 and hold the rod 11 against rotary movement, and when brought into this position the receiver is ready for use. When it is desired to return the receiver to the position illustrated in dotted lines Fig. 2 the rod 11 together with the different parts carried thereby is elevated until the pin 22 strikes the bottom of the cap at which time the rod 11 is again free to rotate until it strikes the wall of the vertical slot 25 at which time the rod 11 is free to move downward, the pin 22 moving in the slot 25. For the purpose of breaking the circuit when the receiver is brought out of use the supporting rod 14 is provided with the collar 26 to which collar is attached the pin 27, and for the purpose of holding the collar 26 and the pin 27 in fixed adjustment the pin should be screw threaded so that its inner end can be seated against the rod 14.

It will be understood that the pin 27 must be so ad-

justed that when the receiver is thrown out of use and as the receiver is dropped together with the different parts connected thereto the pin 27 will engage the circuit breaking and closing lever 28, which in this instance is the ordinary receiver holder lever, thereby enabling me to attach my improved holder to the telephones in common use, and without any change of construction whatever. By providing the horizontal bar 12 and also providing means for adjusting said bar longitudinally, the supporting rod 14 can be adjusted or moved to or from the transmitter, thereby providing a means for changing the distance between the receiver and the transmitter.

It will be understood that the bar 12 should be so adjusted that the receiver will not be in the way of the transmitter, but at the same time be in such a position that a person can talk into the transmitter and the receiver be in proper position for its use. In Fig. 1 I have illustrated my improved receiver holder adapted for use for a wall phone and in this construction the bar 29 is clamped to the transmitter arm 30 by means of the clips 31. Upon the bar 29 is rotatably mounted the tube 32, which tube is provided with the slot 33, through which slot extends the pin 34, which pin engages the ends of the slot 33 when the receiver is brought into position to close the circuit. It will be understood that all that is necessary to be done to bring the receiver into position for use is to lift the receiver and its carrying arm 35 vertically and move the receiver forward until one end of the slot 33 engages the pin 34. By the vertical movement of the rod 35, the circuit closing and breaking lever 36 is released and when it is desired to return the receiver to its normal position or out of use the rod 35 is brought into a vertical position and permitted to move downward together with the receiver, until the pin 37 engages the closing and break lever 36. It will be understood that the pin 37 should be ad-

justed to the rod 35 so that the pin 37 will engage the lever 36 when the receiver is brought into the position illustrated in dotted lines or substantially so.

It will be understood that when the transmitter arm 30 is moved for the purpose of adjusting the transmitter all of the parts will be carried with said transmitter arm 30.

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

1. A support for telephone receivers, comprising the combination of a vertical tube provided with a horizontal slot and a vertical slot, said horizontal slot leading from the vertical slot and its opposite end communicating with a recess located below the horizontal slot, a bar partially located within the tube and provided with a pin, said pin adapted to engage the various slots in the tube, a horizontal rod, supported by the rod provided with the pin and adjustable with reference thereto, a second rod adapted to support a telephone receiver and adjustably attached to the horizontal rod, said second rod provided with a pin adapted to engage the circuit closing lever, and means for holding a receiver, substantially as and for the purpose specified.

2. In a telephone receiver holder, the combination of a socket held in fixed position, said socket provided with two vertical slots and a horizontal slot, said slots communicating with each other, telephone receiver supporting bars adjustably connected together one of the bars provided with a pin adapted to engage the slots in the socket, a cap secured to the socket and adapted to limit the upward movement of the telephone receiver supporting bars, means connected to one of the telephone receiver bars adapted to hold the receiver, a pin adjustably attached to the bar carrying the receiver said pin adapted to engage the circuit closing lever, substantially as and for the purpose specified.

In testimony that I claim the above, I have hereunto subscribed my name in the presence of two witnesses.

ROSS HIGGINS.

Witnesses:

I. M. HASSEFF.  
M. V. B. KING.