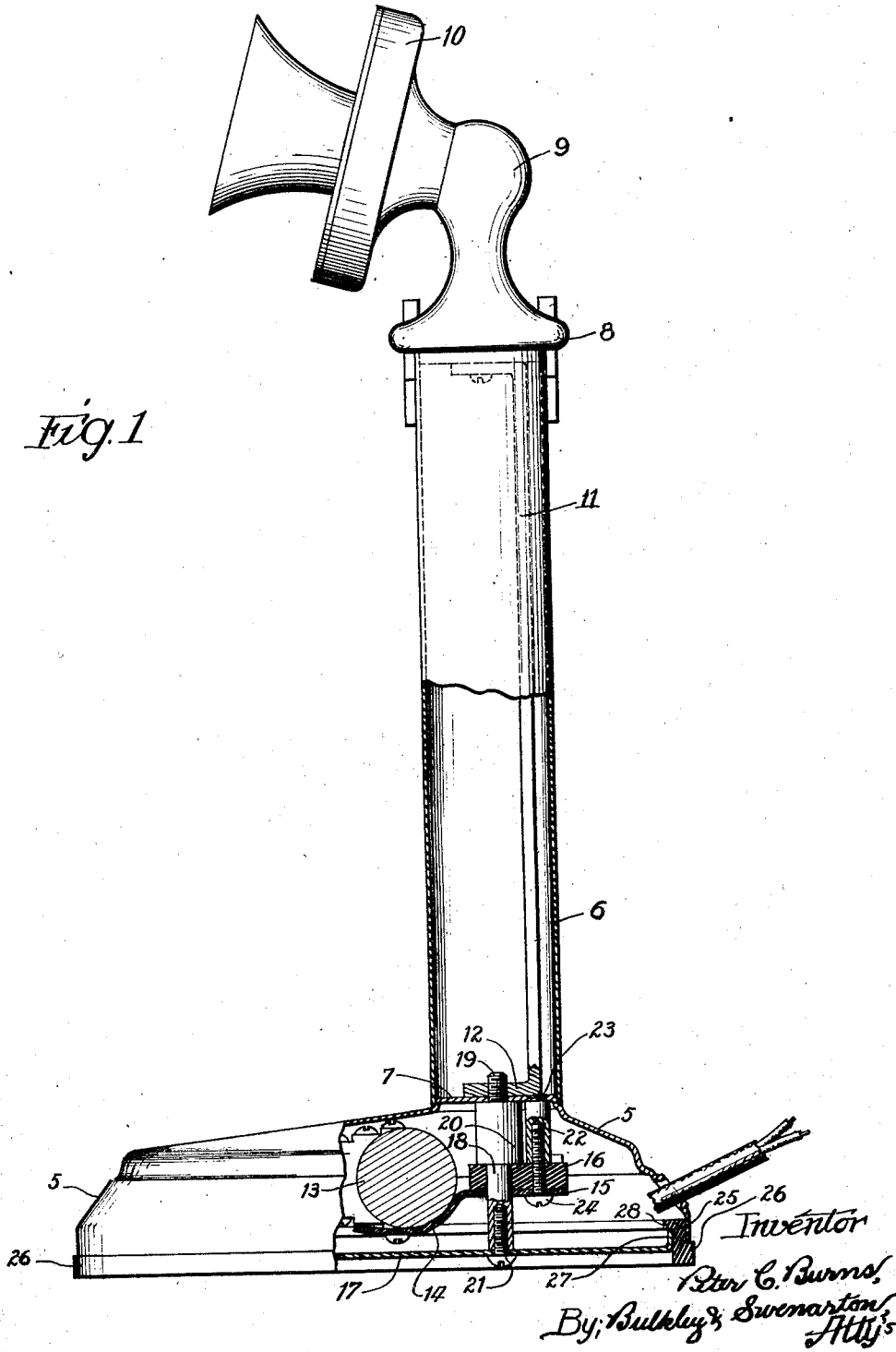


P. C. BURNS.
TELEPHONE DESK SET.
APPLICATION FILED JUNE 16, 1920.

1,381,903.

Patented June 21, 1921.

2 SHEETS—SHEET 1.



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2 SHEETS—SHEET 2.

Fig. 2

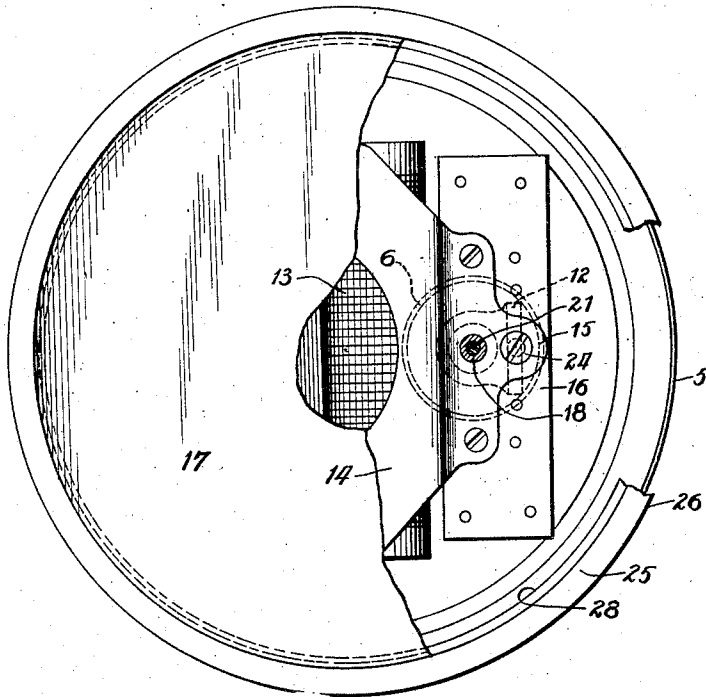
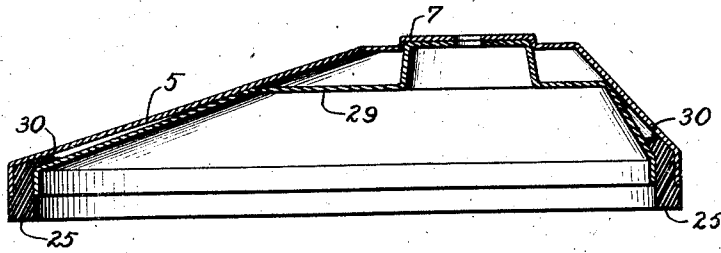


Fig. 3



Inventor
Peter C. Burns
By: Bulkeley & Swenarton
Attys

UNITED STATES PATENT OFFICE.

PETER C. BURNS, OF CHICAGO, ILLINOIS, ASSIGNOR TO AMERICAN ELECTRIC CO., OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

TELEPHONE DESK SET.

1,381,903.

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To all whom it may concern:

Be it known that I, PETER C. BURNS, a citizen of the United States of America, and resident of Chicago, Cook county, Illinois, have invented a certain new and useful Improvement in Telephone Desk Sets, of which the following is a specification.

My invention relates to an improvement in telephone desk sets and has for its object the provision of a very simple and efficient construction for desk telephones, and one which can be easily and quickly assembled and can also be readily disassembled in order to permit replacement or repairing of the various parts.

Further features of my invention consist in an improved rubber ring secured to the base to act as a cushion or buffer and to an improved manner of holding this ring in place whereby it can be removed without necessitating the removal of any rivets or other similar fastening means.

These and other features and objects of my invention will be more readily understood by having reference to the accompanying drawings in which I have illustrated certain embodiments of my invention.

Figure 1 is a side elevation, partly in section, of a desk set embodying the features of my invention.

Fig. 2 is a bottom view of the same with parts broken away in order to show the interior arrangement.

Fig. 3 is a sectional view through the base, showing a modified form of the means for holding the rubber ring in position.

As illustrated, my improved desk set consists essentially of a hollow base 5 extending upwardly from which is a tubular member 6 which fits over a suitable boss or protuberance 7 on the base 5, which tubular member is preferably offset from the center of the base in order to provide increased space for the mounting of a suitable automatic calling device (not shown). The upper end of this tubular member bears beneath shoulders 8 of the head 9 which carries the transmitter 10. This head 9 is supported on the upper end of a supporting bar 11 which extends downward through the tubular member 6 and is provided at its lower end with an offset extension 12 which rests upon the boss or protuberance 7 of the base 5. Mounted within the base 5 there is an induction coil 13 carried by the bracket

14, which bracket is provided with a horizontal extension 15 which carries the terminal block 16. There is likewise provided a suitable base plate 17. In order to fasten the supporting bar 11 to the base and to hold the induction coil and terminal block in position, as well as to hold the base plate in place, I provide a single bolt 18, provided with an upper threaded end 19 which projects through openings in the boss 7 of the base 5 and the offset end 12 of the supporting rod 11. This bolt 18 likewise passes through an opening in the terminal block, which block is spaced apart from the upper portion of the base by means of the collar 20 on the bolt 18. The lower end of this bolt 18 is provided with a threaded bore for the reception of the screw 21 which passes through an opening in the base plate 17 and operates to secure the base plate in position. Adjacent to the collar 20 there is a post 22 secured to the base 5 by means of a screw 23, which post is bored out at its lower end so as to receive a screw 24 which passes through the extension 15 of the bracket and through the terminal block 16 and operates to firmly hold these members in position upon the bolt 18.

Surrounding the lower marginal edge of the base 5, there is a rubber ring 25 which is provided with an offset extension 26 around its lower edge, which extension projects below and slightly beyond the marginal edge of the base 5. This rubber ring thus not only acts as a bottom cushion for the desk set to prevent the same from marring a desk or table upon which it is placed, but it also operates as a side buffer to prevent this desk set from injuring any article against which it may strike when moved laterally. Likewise, by having the rubber ring extended in this manner, it operates as a more efficient protection when the desk set is stood upon one edge, as is often the case when the desk set is being used by a subscriber. This rubber ring is held in position without the use of any rivets or other similar attaching means, so that the ring may be readily removed. In Fig. 1, I have shown this ring as being held in place by means of the base plate 17 which is provided with an inwardly extending marginal flange 27 which bears against the inwardly extending flange 28 formed around the upper edge of the rubber ring 25. With this construction,

when the base plate is secured in position by means of the screw 21, the rubber ring is then also firmly locked in position. In Fig. 3, I have shown a slightly modified form of the means for holding this rubber ring in position, this means consisting of an inside cup or shell 29 which is held in position by the bolt 18 and whose lower edge is slightly spaced from the outside shell 5. The rubber ring employed in this modification is provided with an upwardly extending portion 30 which is clamped between the shell 29 and the outer shell 5 of the base, and thus firmly held in position.

It will thus be seen that I have devised a very efficient and simple form of desk set, and while I have illustrated and described certain specific embodiments of the same, it will be understood that I do not wish to be limited to the exact construction shown and described, but that various changes and modifications may be made without departing from the spirit and intent of my invention.

What I claim as my invention is:

1. In a telephone desk set, a hollow base, a supporting member extending upwardly from said base, an induction coil within said base, a bracket for supporting said induction coil and provided with a lateral extension, a terminal block mounted upon said extension, and a bolt passing through said bracket and terminal block, said bolt being provided with a threaded end portion extending through the upper portion of said base and through the lower end of said supporting member.

2. In a telephone desk set, a hollow base, a tubular member extending upwardly therefrom, a supporting rod mounted within said tubular member and having a lateral extension resting on said base, an induction coil in said base, a bracket for supporting said induction coil and provided with a lateral extension, a terminal block mounted upon said lateral extension, and a bolt passing through said bracket and terminal block to position the same within said base, said bolt being provided with a threaded end portion extending through the upper portion of said base and through said lateral extension of said supporting rod to thereby secure said supporting rod to said base.

3. In a telephone desk set, a hollow base, a tubular member extending upwardly therefrom, a supporting rod mounted within said tubular member and having a lateral extension resting on said base, an induction coil in said base, a bracket for supporting said induction coil and provided with a lateral extension, a terminal block mounted upon said lateral extension, a bolt passing through said bracket and terminal block to position the same within said base, said bolt being provided with a threaded end portion ex-

tending through the upper portion of said base and through said lateral extension of said supporting rod to thereby secure said supporting rod to said base, a base plate for closing the bottom of said base, the lower end of said bolt being provided with an interiorly hollow threaded bore, and a screw passing through said base plate and engaging within said threaded bore for holding said base plate in position.

4. In a telephone desk set, a hollow base, a tubular member mounted upon said base and extending upwardly therefrom, a supporting rod mounted within said tubular member and provided with a lateral extension at the lower end thereof resting upon said base, an induction coil and terminal block within said base, a single bracket for supporting said induction coil and terminal block, a base plate, and means for securing said parts together, said means consisting of a bolt passing through said bracket and terminal block and provided with a threaded end portion engaging with said extension of said supporting rod to thereby secure the same to said base, said bolt being provided with a collar for positioning said terminal block a suitable distance from the upper portion of said base, and a screw engaging within the lower end of said bolt and passing through said base plate to thereby hold said base plate in position.

5. In a telephone desk set, a hollow base, a tubular member mounted upon said base and extending upwardly therefrom, a supporting rod mounted within said tubular member and provided with a lateral extension at the lower end thereof resting upon said base, an induction coil and terminal block within said base, a bracket for supporting said induction coil and terminal block, a base plate and means for securing said parts together, said means consisting of a bolt passing through said bracket and terminal block and provided with a threaded end portion engaging with said extension of said supporting rod to thereby secure the same to said base, said bolt being provided with a collar for positioning said terminal block a suitable distance from the upper portion of said base, and a screw engaging within the lower end of said bolt and passing through said base plate to thereby hold said base plate in position, a hollow post secured to said base plate and adjacent to said bolt, and a screw passing through said bracket and terminal strip and engaging in said hollow post for holding said bracket and terminal block in position upon said bolt.

6. In a telephone desk set, a hollow base, a supporting member extending upwardly from said base, a bolt for securing said supporting member to said base, the lower end of said bolt being provided with an interiorly threaded bore, a suitable ring sur-

rounding the lower marginal edges of said base and provided with a lateral extension extending below and slightly beyond the lower edge of said base, said ring being provided with an inwardly extending marginal flange around its upper edge, a base plate engaging against said inwardly extending flange for holding said ring in position, and a screw passing through said base plate and engaging within the threaded bore of said bolt for holding the base plate in position. 15

of said base and provided with a lateral extension extending below and slightly beyond the lower edge of said base, said ring being provided with an inwardly extending marginal flange around its upper edge, a base plate engaging against said inwardly extending flange for holding said ring in position, and means for holding the base plate in position. 20

Signed by me at Chicago, Illinois, this 9th day of June, 1920.

7. In a telephone desk set, a hollow base, a ring surrounding the lower marginal edges

PETER C. BURNS.