Sept. 11, 1934. W. H. MANNING 1,973,216

TELEPHONE SUPPORT

Filed Dec. 17, 1932

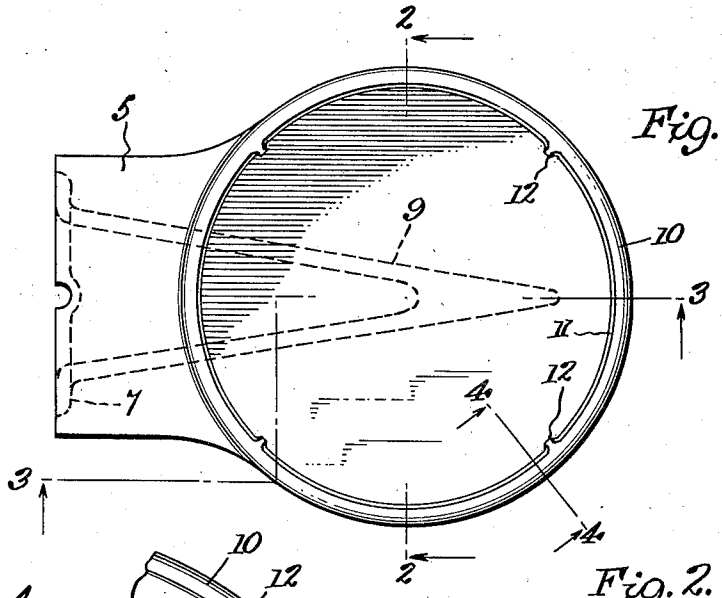


Fig. 1.

Fig. 2.

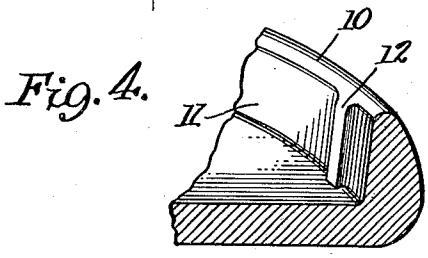


Fig. 4.

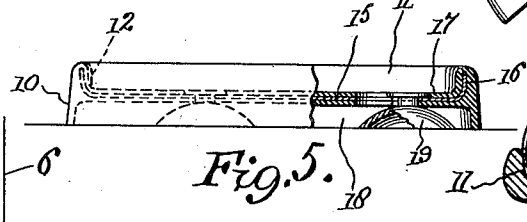
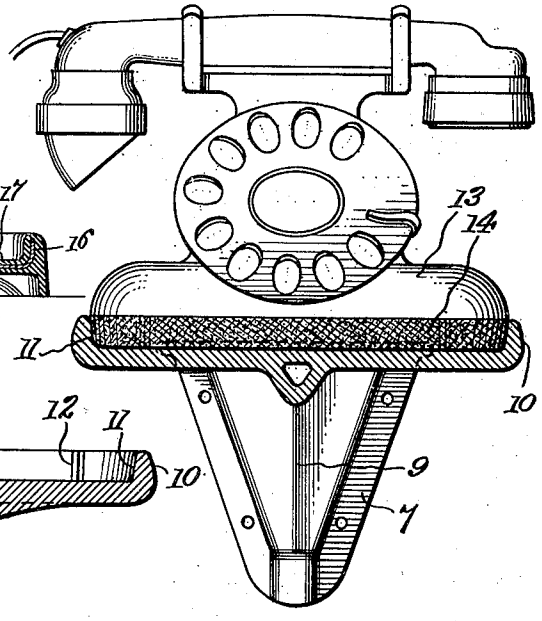


Fig. 5.



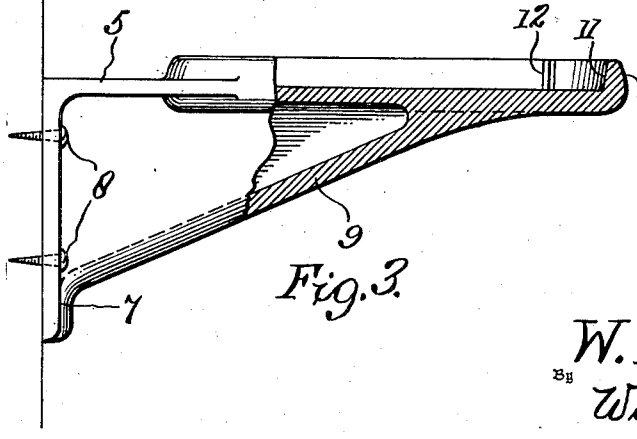


Fig. 3.

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TELEPHONE SUPPORT

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4 Claims. (Cl. 248—20)

The present invention relates to improvements in telephone supports and consists of a die-cast or other form of bracket for use with telephone instruments. This support may be utilized with the old type of instrument requiring operator service, and likewise with this same type of instrument modified to incorporate dialing mechanism. Furthermore this support may be used with the newer type of instrument consisting of a stand with dialing mechanism, contact means and a cradle for holding the hand set comprising a receiver and a transmitter.

Although the present invention is applicable to all of the various types of instruments noted, it will readily be appreciated this support offers the greatest advantages when used with the newer type of instrument which has been illustrated in the drawing and described in the specification.

Since the introduction of these dial telephones, much inconvenience has been experienced with movement of the stand during the process of dialing. This has been recognized by the telephone company to the extent of equipping the bases of the stands with leather surfaces. This improvement, although a help, is in no way the remedy. There is neither need nor reason for moving the stand of the present type of instrument, since it is necessary to move only the "hand set", leaving the stand at any convenient position. Furthermore, it is highly desirable for this unit to be fixed in position in order to facilitate the dialing operation.

It is, therefore, the object of the present invention to provide a bracket or support, capable of attachment to any desired member, the function of which is to receive the base of a standard telephone stand and by its inherent construction hold this instrument with sufficient rigidity to prevent movement while the operation known as dialing is performed.

A further object of the invention is to secure the above described desirable results in a bracket or support that will be inexpensive in construction and susceptible of attachment to a desired support in any convenient location.

With the foregoing and other objects in view, the invention will be more fully described hereinafter, and will be more particularly pointed out in the claims appended hereto.

In the drawing, wherein like symbols refer to like or corresponding parts throughout the several views,

Figure 1 is a top plan view showing an improved bracket constructed according to the present invention.

Figure 2 is a vertical cross section taken on the line 2—2 in Figure 1 and showing a telephone unit in place in the bracket.

Figure 3 is a longitudinal section taken on the line 3—3 in Figure 1.

Figure 4 is a fragmentary section taken on the line 4—4, also in Figure 1, and

Figure 5 is an end view with parts broken away showing a modified form for mounting on surfaces without marring the same.

For illustrative purposes in the accompanying drawing, I have shown the support in the form of a bracket, and have also included a slightly modified design for use where it is desired to keep from marring the surface upon which the bracket support rests.

Referring more particularly to Figures 1 to 4 of the drawing, the improved bracket support consists of a substantially horizontal plate 5 having appropriate means by which the same may be attached to a wall, pedestal, table, desk or the like indicated generally at 6 in Figure 3. As shown the bracket is a die-casting including the flange 7 disposed against the wall and having openings to receive the fastening screws 8. This flange depends from the horizontal plate 5 and is formed upon the supporting member 9.

The plate 5 is formed with a socket encompassed within an upstanding substantially annular flange 10 having a wall 11 on which are produced at suitable intervals the inwardly extending lugs 12. The wall 11 is adapted to receive the base of a telephone instrument indicated at 13. For the sake of appearance, I have shown a flange construction, but it is to be understood that suitably supported lugs 12 as shown would constitute a satisfactorily operating device. The bases of telephone stands are usually equipped with fabric, felt or leather, the material being brought up for a distance about the side wall of the instrument, as indicated at 14. The diameter of the socket is such as to receive the telephone instrument with considerable friction and pressure causing the lugs 12 to imbed themselves in the yielding material 14 and thereby resist any turning tendency of the telephone stand 13.

The holding of the telephone stand 13 is accomplished without the aid of clamps, screws, or other equipment extraneous to the bracket proper. The method of acquiring this function is the design of the receiving socket itself. The diameter of this receiving socket is, of course, very close to that of the instrument base and diameter

of the wall 11 allows the instrument to be forced down until the leather base of the stand 13 rests upon the plate 5 within the flange 10. The whole system will so operate as to form a substantially rigid assembly which, in addition to restraining the freedom of the stand while dialing, will accomplish a firm positioning of the unit. This latter will be considered quite an adjunct in many types of installation.

Referring more particularly to Figure 5 of the drawing, I have shown a slightly modified form of the invention which is adapted for attachment to pedestals, desks, tables or the like, where attachment is desired without marring the supporting surface.

In this type of the device, I have shown a receiving socket comprising a metal plate 15 with the outer flanges 16 moulded in rubber 17 to provide the outer substantially annular flange 10, and the inner wall 11 with suitable inwardly extending lugs 12 produced at intervals. The outer flange 10 projects a substantial distance below the plate 15 to engage the supporting surface, and also provides an open base chamber 18. A plurality of spaced suction cups 19 are held in any appropriate manner to the receiving socket, and provide means for attaching the same to the supporting surface which it is desired to retain unmarred. The open base chamber 18 affords a means for housing the suction cups 19 and likewise excludes the same from view. In the operation of this form of the invention it will readily be seen the suction cups provide the means for attaching this form of the invention to the supporting surface, and if so desired auxiliary suction means will also be attained by contact of the projecting lower end of the flange 10 with the supporting surface.

It is obvious various changes and modifications may be made in the details of construction and design of the above specifically described embodiment of this invention without departing from the spirit thereof, such changes and modifications being restricted only by the scope of the following claims.

I claim:

1. A support for a telephone set having a yieldable base, said support comprising a socket formed by an unyielding plate having a plurality of unyielding blunt faced lugs adapted to compressively hold the yieldable base of the telephone set.

2. A support for a telephone set having a yieldable base, said support comprising an unyielding plate and an unyielding flange supporting blunt faced unyielding lugs to compressively hold the yieldable base of the telephone set.

3. A support for a telephone set having a yieldable base, said support comprising an unyielding plate having a plurality of blunt faced unyielding lugs the inner faces of which are arranged on a periphery slightly smaller than that of the telephone set base at the zone of contact.

4. A support for a telephone set having a yieldable base, said support comprising an unyielding plate and an unyielding flange supporting blunt faced unyielding lugs the inner faces of which are arranged on a periphery slightly smaller than that of the telephone set base at the zone of contact to compressively hold the yieldable base of the telephone set.

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