Aug. 1, 1933. H. F. OBERGFELL 1,920,210

CALLING DEVICE AND CALLING DEVICE INDICIA RING SUPPORT

Filed Jan. 2, 1932 2 Sheets-Sheet 1

Fig. 3

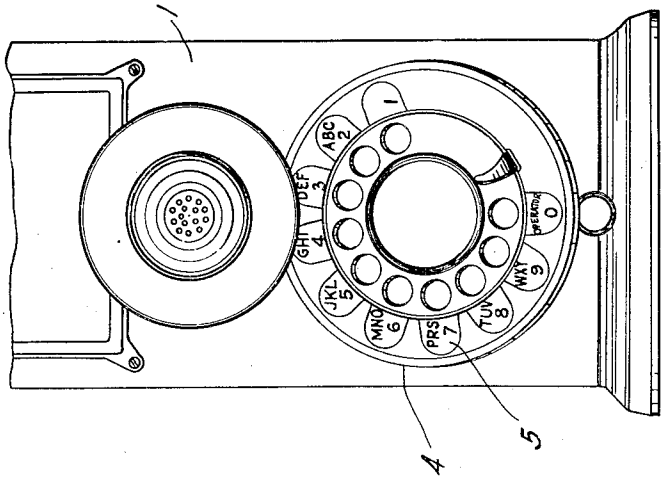


Fig. 2

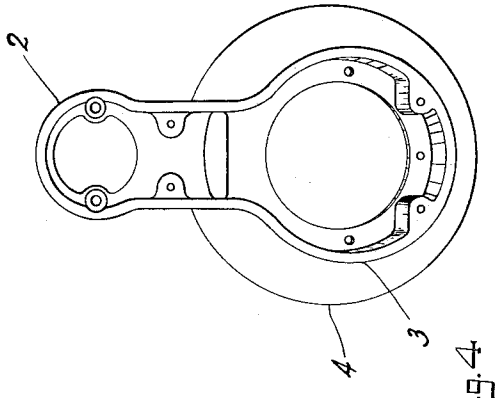


Fig. 4

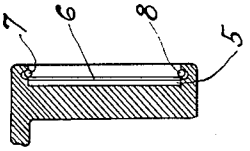
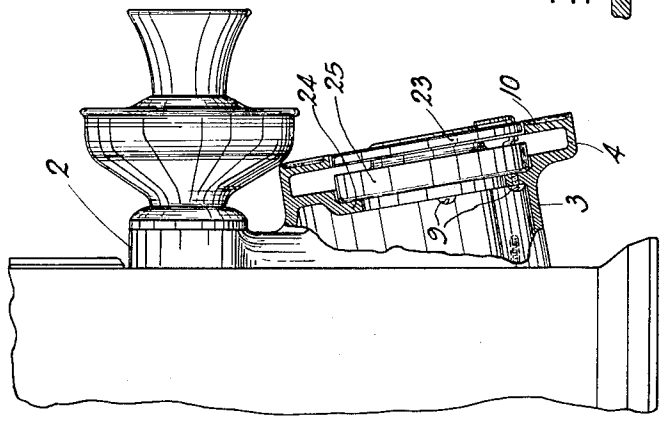


Fig. 1



Inventor
Herbert F. Obergfell
Wm. Watts Owen.
Atty.

Aug. 1, 1933. H. F. OBERGFELL 1,920,210

CALLING DEVICE AND CALLING DEVICE INDICIA RING SUPPORT

Filed Jan. 2, 1932 2 Sheets-Sheet 2

Fig. 7

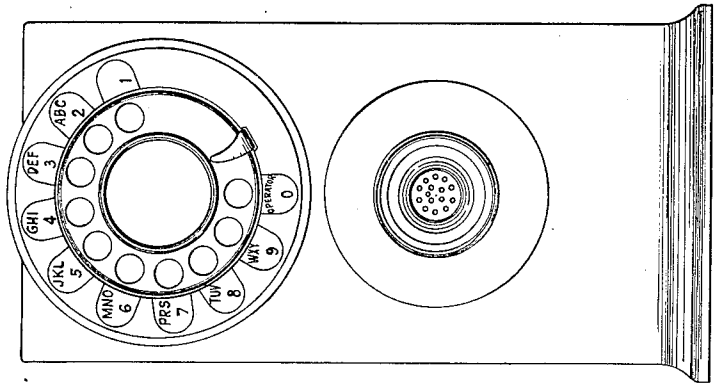


Fig. 6

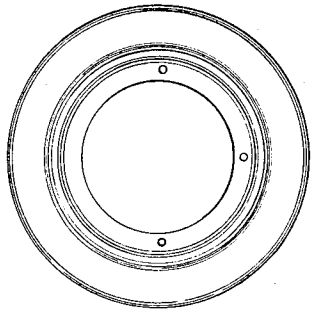
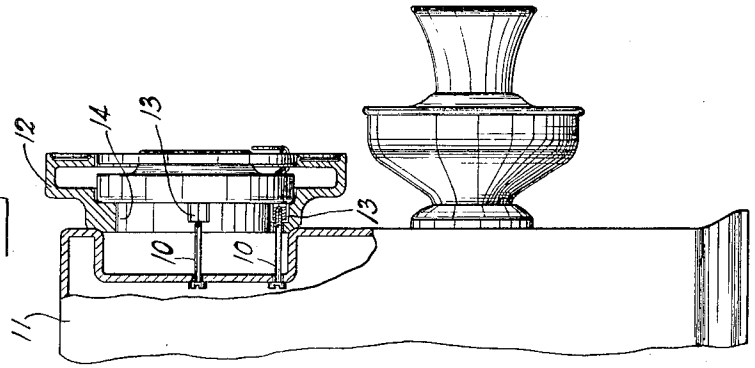


Fig. 5



Inventor
Herbert F. Obergfell
Mc Watters Owen
Atty.

Patented Aug. 1, 1933 1,920,210

UNITED STATES PATENT OFFICE

1,920,210

CALLING DEVICE AND CALLING DEVICE INDICIA RING SUPPORT

Herbert F. Obergfell, River Forest, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a Corporation of Delaware

Application January 2, 1932. Serial No. 584,470

7 Claims. (Cl. 179—90.)

The present invention relates in general to a combined calling device and calling device indicia ring support, but is particularly concerned with the provision of a unitary structure which supports the indicia ring, for the calling device mounted thereon, in the space immediately surrounding the finger hold dial of the calling device. The indicia ring of the invention has the advantage, over those usually arranged beneath the finger hold dial, in that it can be more readily read even under poor lighting conditions.

One form of the invention is also arranged to receive a telephone transmitter. This form of the invention is especially suitable for substitution for a quite generally used combined calling device and telephone transmitter support, such as illustrated in Erickson Patent No. 1,546,780, issued July 21, 1925. The invention is also illustrated in a form suitable for use on telephones wherein the calling device is mounted directly upon the casing.

The invention is illustrated in two sheets of drawings in which: Fig. 1 is a side view of a portion of a telephone paystation equipped with a support constructed in accordance with the invention and shown partially in section; Fig. 2 is a rear view of the support; Fig. 3 is a front view of a portion of a telephone as it appears when equipped in accordance with the invention; while Fig. 4 is a detailed and enlarged sectional view of a portion of the support taken on lines 4—4 of Fig. 1. These various figures illustrate the invention as employed in conjunction with wall telephones of the type illustrated in the referred to Erickson patent. Fig. 5 is a side view of a portion of a telephone paystation equipped with a modified form of support, shown in section; Fig. 6 is a rear view of the support; while Fig. 7 is a front view of a paystation telephone equipped with the modified form of support. These figures illustrate the invention as arranged for use with a telephone wherein the calling device is ordinarily mounted directly upon the telephone casing.

The form of the invention illustrated in Figs. 1 to 4 will first be described. The support 2 comprises a casting arranged with a mounting space for a telephone transmitter and for a calling device, respectively, substantially as provided in the Erickson patent. The support 2, as will be seen by comparing Fig. 2 with Fig. 3 of the patent, is also arranged to be secured to a telephone casing in identically the same manner as is the adapter of Erickson.

In the instant structure the wall 3 of the support has been provided with a ledge 24 on which a calling device 25 is held in place by suitable screws 9. The channel portion 4 has a front portion 10 in the same plane with the finger hold dial 23 of the calling device, and is arranged to receive an indicia member 5 and a transparent protective member 6. These are securely held in place by a pair of split rings 7 and 8. The inner periphery of the portion 10 of support 2 and of the indicia and protective members are all appropriately notched out to provide space for the calling device finger stop.

The invention, as illustrated in Figs. 5, 6, and 7, comprises a support 12. This support is circular and is provided with a channel member quite similar to the one already described. The indicia mounting arrangement is also like the formerly described one. The calling device is equipped with elongated hexagon headed screws 13 having their heads tapped to receive screws 10. When the calling device is placed within the support the heads of screws 10 register with U-shaped channels in the inner wall 14 of the support. The assembly is then securely held in place on the casing 11 by screws 10 passing therethrough and into the tapped heads of the screws 13.

It will be appreciated from the foregoing that applicant has provided two very simple forms of combined calling device and calling device indicia supports.

What is claimed is:

1. In combination with an impulse transmitting device of the rotatable dial type, the provision of a support having an outwardly and upwardly extending portion and having a continuation of said portion thence extended inward in approximately the plane of the rotatable dial of the device, an indicia member, and means solely above the indicia member for securing said member in place on said last referred to portion.

2. In combination with an impulse transmitting device of the rotatable dial type, a housing therefor in which the base thereof flares outwardly and upwardly, and thence back in the form of a continuous U to produce an indicia mounting surface surrounding the dial of the device.

3. In combination with an impulse transmitting device of the rotatable dial type, a housing therefor in which the base thereof flares outwardly and upwardly, and thence back in the form of a continuous U to produce an indicia mounting surface surrounding the dial of the device, and means cooperative, with continuous

grooves adjacent the indicia mounting surface, to securely hold an indicia strip thereon.

4. In combination, an impulse transmitting device, a telephone set casing having a depressed portion providing space for mechanism of said device; a support for said device placed over the depressed portion of said casing and having an opening therein through which mechanism of said device passes into the depressed portion of said casing; and common means for holding both the impulse transmitting device and said support in juxtaposition with respect to each other and with respect to the depressed portion of said casing.

5. In combination with an impulse transmitting device of the rotatable dial type, a housing therefor, having a circular portion which flares outwardly and upwardly and thence back in the form of a U to produce an indicia mounting surface surrounding the dial of the device, and having a circular ledge portion for holding the stationary portion of the device in a definite relation thereto as required to bring the dial thereof in a position concentric with the inner periphery of the indicia mounting surface.

6. In combination, an impulse transmitting device, an indicia support therefor, a telephone casing arranged to receive said support, and means accessible solely from within said casing for holding said impulse transmitting device and said support to said casing.

7. In a telephone set, a calling device of the dial type mounted upon the casing of the set through the medium of an indicia member for use as a part of such calling device, and means accessible solely from within the casing for securing the said calling device and indicia member in fixed relation thereto.

HERBERT F. OBERGFELL.