July 7, 1931. J. M. LABAUGH ET AL 1,812,964

CALLING DIAL

Filed May 27, 1929

FIG. 1.

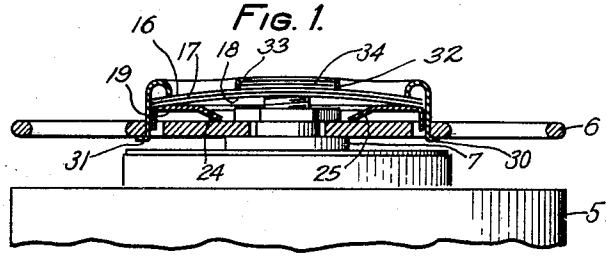


FIG. 2.

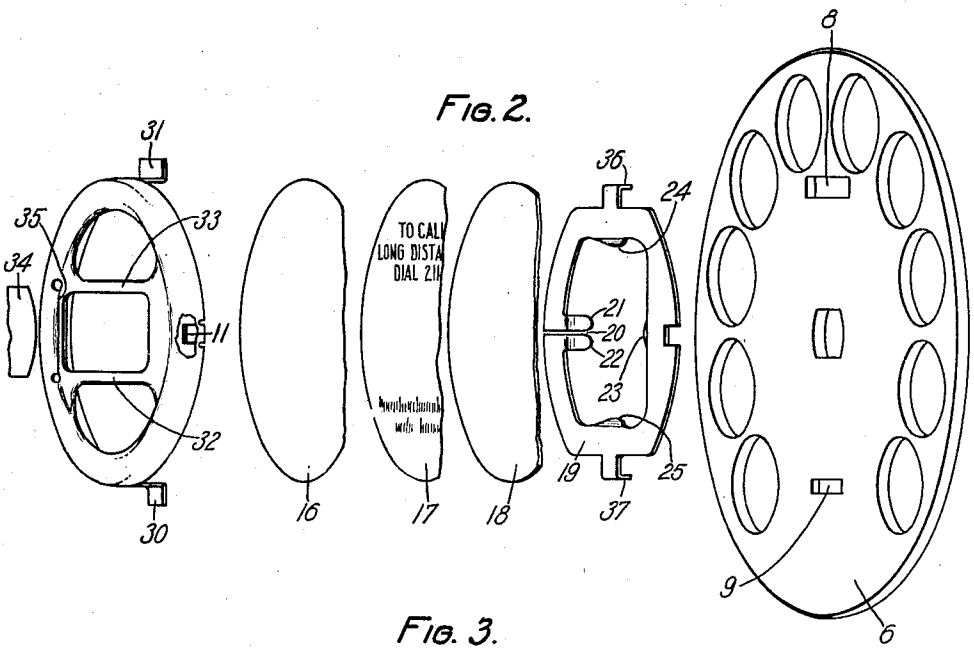


FIG. 3.

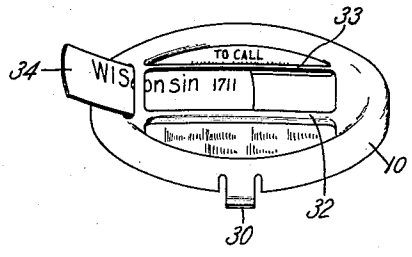
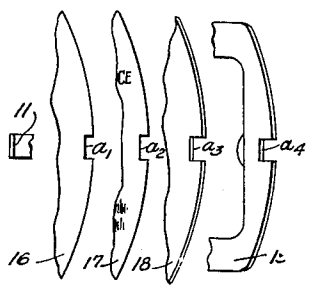


FIG. 4.



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UNITED STATES PATENT OFFICE

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CALLING DIAL

Application filed May 27, 1929. Serial No. 366,446.

This invention relates to instruction card holders for calling dials or impulse senders of the type used in automatic telephone systems.

In calling dials now used, a frame is mounted on the finger wheel of the dial for holding an instruction card in position. On this instruction card is printed among other information the office name and number of the subscriber's telephone line. Owing to the necessity of reassigning office names and numbers to the subscribers' lines, it is necessary at times to replace these cards by other cards. The replacement of these cards has been effected by repair men provided with tools to remove the card holders from the finger wheel to give access to the card. This, therefore, necessitates trips to the subscribers' premises by the repair men.

It is the object of the present invention to provide a construction whereby the subscriber can readily make the change himself, the card being mailed to him, thus avoiding the necessity of these trips.

The card holder of this invention comprises a frame for mounting in a permanent manner an instruction card containing general information printed thereon and for holding another card on which the office name and number only are printed. The frame for holding the latter card is preferably part of the frame for holding the former and is provided with a slot at one of its ends through which the card containing the exchange and number may be easily inserted or removed by the subscriber without the use of special tools.

In the drawings, Figure 1 is a partial view of a calling dial showing the finger wheel, the combination card holder, cooperating parts and cards in section;

Fig. 2 is an exploded view thereof showing in more detail the different elements of the device, the parts being shown in perspective;

Fig. 3 is a perspective view of the card holder showing the method of inserting the auxiliary card in its supporting frame; and,

Fig. 4 is a partial perspective view showing the relative position of a number of elements with respect to the card holder.

The calling dial to which this invention is particularly well adapted for use, consists of a casing 5, a finger wheel 6, which is mounted on one end of a centrally disposed shaft 7, in turn operatively connected to an impulse mechanism (not shown).

The finger wheel 6 is provided with a plurality of apertures 8 and 9 for mounting a combination card holder 10 which is in turn adapted to hold a number of cards as shown in Fig. 1. This combination card holder consists of a circular member bent inwardly as shown and a lug 11, which extends upwardly from the outer edge of member 10 engages peripherally disposed notches a_1, a_2, a_3 and a_4 in the transparent protecting disk 16, the instruction card 17, the resilient supporting disk 18 and the reenforcing member 19, as shown in Fig. 4. These notches are provided for readily locating the position of disk 16, the instruction card 17 and the reenforcing disk 18 in the card holder 10.

Reenforcing ring 19 is preferably made of a relatively thick sheet of brass and is made to fit tightly inside the circular frame 10 through the provision of a slot 20 which renders the ring peripherally resilient and thereby prevents the deformation of the card holder which would otherwise occur due to the tension of its peripherally disposed spring arms 30 and 31 acting against the sides of apertures 8 and 9 in the finger wheel 6.

The member 19 carries a plurality of spring lugs 21, 22, 23, 24 and 25 which are bent inwardly and extend in engageable relation with the finger wheel 6 for pressing the members 16, 17 and 18 collectively against the edge of the inwardly bent portion of the ring 10 as shown in Fig. 1. The frame 10 carries a pair of parallel and inverted L shaped bars 32, 33 which cooperate with the transparent disk 16 and portions of the ring 10 to form a holder or frame for a card 34 as shown. This card bears only the name of the telephone exchange to which a particular telephone subscriber is connected and the subscriber's number. At the end of this frame there is provided a slot 35 through which the card 34 may easily be inserted in the frame or removed therefrom without the ne-

cessity of removing the main card holder 10 from the finger wheel.

The apertures 8 and 9 in the plate 6 are disposed to register with the lugs 30 and 31 which are preferably formed integrally with the holder 10. Aperture 8, in which lug 31 fits, and said lug, are each preferably made larger than aperture 9 and lug 30 in order to facilitate the proper location of the instruction card 17 with reference to the general position of the dial on its mounting stand. The member 19 is provided with two oppositely disposed lugs 36 and 37 which extend laterally therefrom in abutment with the lugs 30 and 31 of the card holder for reenforcing them and thereby securing the card holder more firmly on the finger wheel.

What is claimed is:

1. A combination card holder comprising a main frame and a second frame each adapted to hold a card, and a transparent protecting member for the card mounted in the main frame, means for holding the card and member in said main frame, said member serving as a backing support for the card mounted on the second frame.

2. A combination card holder for use in calling dials comprising a frame adapted to retain a card, a plurality of bars disposed in parallel relation to each other across said frame and forming a second frame for another card arranged to be put in place and removed from the second mentioned frame without interference from the first mentioned card.

3. A combination card holder for use in calling dials comprising a circular frame and a rectangular shaped frame each adapted to hold a card, and a transparent protecting member for the card mounted in the circular frame, means for holding the card and member in said circular frame, said member serving as a backing support for the card mounted in the rectangular frame.

4. A combination card holder for use with calling dials comprising a frame, a transparent member and a card mounted in said frame, a device for securing said frame on the dial and holding said card and said member in position in said frame, another frame carried by the first mentioned frame for holding a second card and means in the last mentioned frame for permitting the insertion and the removal of the second mentioned card from the last mentioned frame independently of the first mentioned card.

In testimony whereof, I have signed my name to this specification this 21st day of May, 1929.

JAMES M. LABAUGH.

In testimony whereof, I have signed my name to this specification this 23rd day of May, 1929.

VICTOR F. MILLER.