June 20, 1950 M. B. DISKEN 2,512,457

SNAP COUPLED INDEX CARD RETAINER FOR TELEPHONES

Filed Sept. 5, 1946

FIG. 1

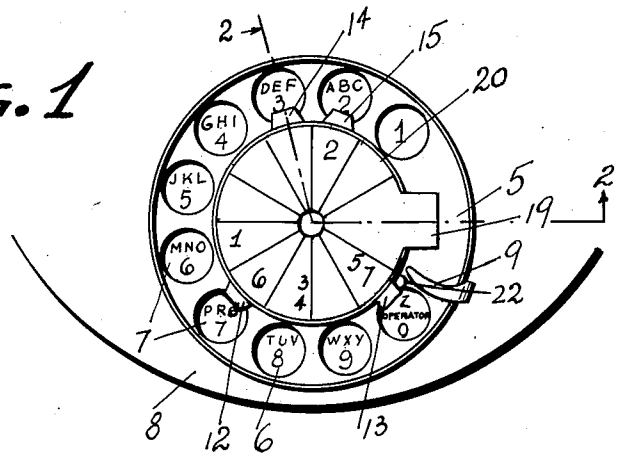


FIG. 2

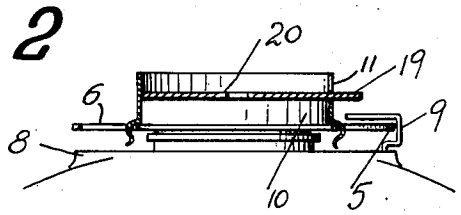


FIG. 5

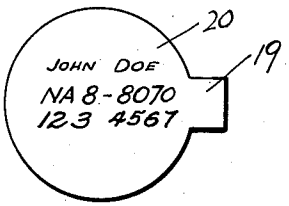


FIG. 3

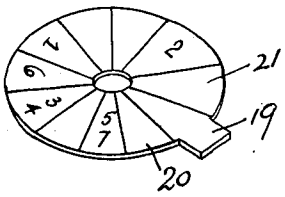


FIG. 4

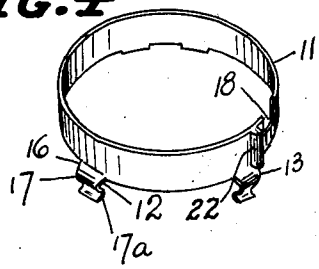
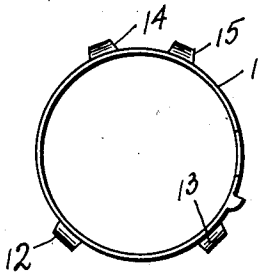


FIG. 6



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Patented June 20, 1950

2,512,457

UNITED STATES PATENT OFFICE

2,512,457

SNAP COUPLED INDEX CARD RETAINER FOR TELEPHONES

Martin B. Disken, Brooklyn, N. Y.

Application September 5, 1946, Serial No. 694,890

2 Claims. (Cl. 40—10.5)

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This invention relates to an improved device for enabling a person to properly dial an automatic telephone connection, by the use of a previously prepared or printed index card, and embraces certain improvements over the construction previously patented by me in United States Patent 2,390,357, issued December 4, 1945.

One of the objects of the present invention is to provide a detachable spring snap coupling between the index card retaining sleeve or frame and the rotary dial frame having a central boss or hub of the dial telephone, so that the holding frame may be mounted in place and will retain its position without difficulty, and may be held firmly in place in its proper position against accidental displacement, if desired, by deflecting spring retaining flanges or lugs.

With the above and other objects in view the invention comprises certain new and useful constructions, combinations and arrangements of parts, clearly described in the following specification, and fully illustrated in the drawings, in which:

Fig. 1 is a top plan view showing the device attached to the dial frame of a dial telephone.

Fig. 2 is a sectional view taken on line 2—2 of Fig. 1, looking in the direction of the arrows, of the device mounted on the telephone, and the latter being shown in an objective view.

Fig. 3 is a detail perspective view of the removable index card or disc.

Fig. 4 is a perspective view of the attachable holding sleeve or frame.

Fig. 5 is a top plan view of the index card or disc.

Fig. 6 is a top plan view of the holding sleeve or frame.

Referring to the drawings, which illustrate the practical embodiment of the invention, 5 designates a rotary telephone dial frame, having a series of radial holes or apertures 6 which register with the successive alphabetic and numbered groups of calling symbol letters or numbers 7, printed on a card which is fixed to the base 8 of the automatic telephone set, and readable through the apertures or holes 6, which are designed to receive the finger of the user, or a pencil or rod for successive position operation of the dial frame 5. A finger or other stop 9 is attached to the base for limiting the usual turning or swinging motion of the dial frame. All of these parts are well known.

The dial frame 5 is provided, in accordance with the usual practice, with a central upstanding circular hub or boss 10, which is concentric to the circular row of operating apertures or holes 6.

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On the concentric hub or boss 10 there is mounted a circular sleeve 11. This sleeve is formed with struck out or integral holding lugs 12 and 13 on the front side of the sleeve and with holding lugs 14 and 15 on the back side of the sleeve. The lugs 12 and 13 are spaced apart and are adapted to register with two of the normally front operating apertures or holes 6 of the dial frame or ring 5, and the lugs 14 and 15 are also spaced apart and are adapted to register with two of the rearmost holes of the operating dial frame or ring 5.

Each of the lugs is formed with a radial portion 16, which forms a seat to engage the upper surface of the dial frame or ring 5, and with a terminal spring finger 17, which is slightly curved inwardly so that it will have a spring snap fit against the inner edge of the aperture or hole engaged by the lug or spring finger. This spring finger is slightly U-shaped at 17a so that it can be held by slight pressure of the fingers against the inner edge of the engaged aperture or hole and inwardly thereof, and will spring into latching relation with the edge of the engaged aperture or hole, thereby latching the holding sleeve 11 in place on the central boss or hub 10.

The sleeve 11 is formed with a notch 18, which is located near the finger stop 9. This notch allows the finger hold lug or tab 19 of the removable circular index card or disc 20 to project outwardly of the sleeve, so the index card or disc 20 may be easily removed from the sleeve.

The index card or sleeve is printed or otherwise provided with the key calling information for any telephone connection which the customer desires to establish communication with. This information may include the name of the person or concern to be called, the call letters of the central office and figures or numbers constituting the characters identifying his station. Below these characters are identifying numerals sequentially numbering the respective characters from left to right in the order of dialing. This data may be printed or otherwise provided on one side of the card or disc 20, and on the other side a series of segmental divisions 21 are provided, in the same manner and for the same purpose as disclosed in my Patent No. 2,390,357, which segmental divisions 21 correspond in number to and disposed to assume radial registry with the dial character exposing aperture 6 when the card 20 is properly seated with the tab 19 protruding through the holder notch 18. In the segmental divisions 21 of the centrally disposed card 20, corresponding to the respective characters identified thereby are the identifying nu-

merals indicating the sequence in which wheel 5 is turned from its normal position to the finger stop 9 for each designated aperture, as in the usual dialing operation. The sleeve 11 is also provided with a location lug 22 near the tab receiving notch 18, so that the user may quickly locate the position of the tab and remove or reverse the index card or disc. An index card or disc would be provided for each telephone listed on a record, so that by placing the proper disc in the holding sleeve and then operating the dial frame or ring in accordance with the calling group of numbers printed or lettered in the segmental spaces, the required telephone connection can be quickly made.

The sleeve 11 can easily be detached from the frame by using a proper pulling force, thereby disengaging the spring fingers 17 from the apertures of the frame 5.

The improvement provides a latching connection between the holding sleeve and the hub or boss of the dial frame or ring, which will effectively prevent the accidental displacement of the sleeve from the telephone, and the notch 18 in the sleeve 11 also serves to positively locate the sleeve index card or disc, so that its calling positions will be properly aligned with the calling apertures or holes of the dial frame.

It is understood that various changes in the detail constructions of the device may be made in carrying out the invention, as defined by the claims herein set forth.

I claim as new and patentable:

1. In a device of the character described the combination which comprises a cylindrical sleeve,

said sleeve being adapted to engage the central boss of a dial telephone and said boss holding a card bearing indicia denoting the operative sequence of actuating apertures of the dialing wheel of said telephone for calling a station, means for preventing rotation of the card within the sleeve and means on said sleeve to determine the relative angular position of the sleeve with respect to said boss, a seat integrally disposed at the bottom of the sleeve, a plurality of lugs, integrally extending from the bottom of said sleeve through corresponding apertures of the dialing wheel, thereby retaining the sleeve in predetermined position relative to the bars.

2. The device, as set forth in claim 1, in which the lugs extend first in radial direction, thereby forming the seat which engages the upper face of the dialing wheel which provides a support for the sleeve, then are slightly inwardly curved to form a spring snap fit against the inner edge of the aperture of the dialing wheel.

MARTIN B. DISKEN.

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The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
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2,390,357	Disken	Dec. 4, 1945

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Number	Country	Date
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