April 28, 1925. 1,535,490

M. L. ONG

GUIDE CHART FOR AUTOMATIC TELEPHONE INSTRUMENTS

Filed May 3, 1924

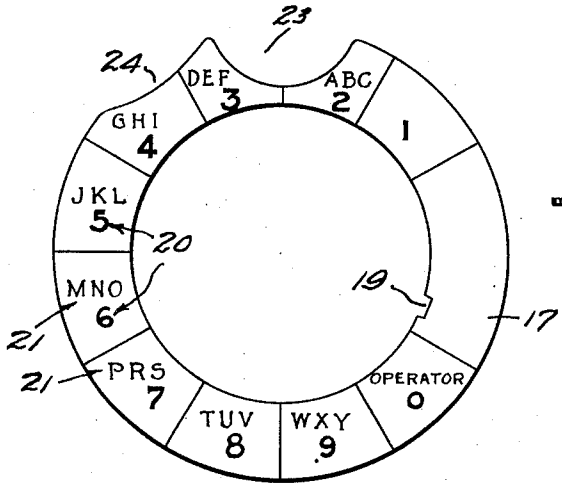


Fig. 1.

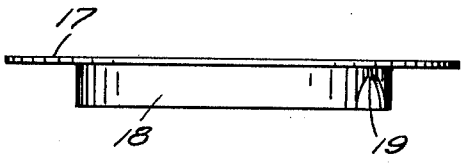


Fig. 2.

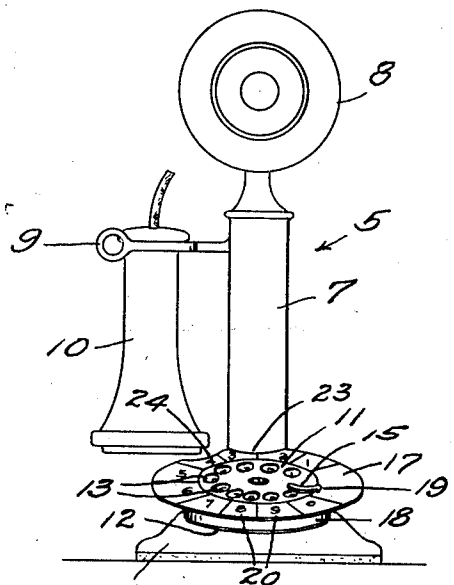


Fig. 3.

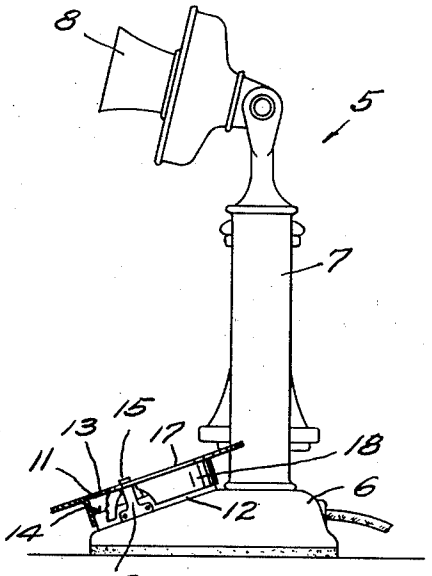


Fig. 4.

INVENTOR:
Murray L. Ong
BY
Pierre Barnes
ATTORNEY

Patented Apr. 28, 1925. 1,535,490

UNITED STATES PATENT OFFICE.

MURRAY L. ONG, OF SEATTLE, WASHINGTON, ASSIGNOR OF FORTY-FIVE PER CENT TO CHARLES S. HINES, OF SEATTLE, WASHINGTON.

GUIDE CHART FOR AUTOMATIC TELEPHONE INSTRUMENTS.

Application filed May 3, 1924. Serial No. 710,795.

To all whom it may concern:

Be it known that I, MURRAY L. ONG, a citizen of the United States, residing at Seattle, in the county of King and State of Washington, have invented certain new and useful Improvements in Guide Charts for Automatic Telephone Instruments, of which the following is a specification.

This invention relates to guide charts for automatic-telephone instruments.

The object of the invention is to provide a simple and inexpensive device or guide chart of this character which will facilitate the setting of the dial wheel of a telephone.

A further object of the invention is to provide a telephone guide chart which will be very simple easily understood, and which can be conveniently secured to a telephone instrument.

The invention consists in the novel construction, adaptation and combination of elements hereinafter described and claimed.

In the accompanying drawing,—

Figure 1 is a plan view of a telephone guide chart embodying my invention and Fig. 2 is a side elevation of the same. Fig. 3 is a front elevation of a telephone instrument with my improved guide chart applied thereto. Fig. 4 is a side elevation, partly in section, of Fig. 3.

In said drawings, the reference numeral 5 represents a telephone receiving and transmitting instrument of the so called desk type having a base element 6 supporting a post 7 which carries the transmitter 8 and also the hook 9 for sustaining the receiver 10.

11 represents a circular dial or wheel rotatably mounted upon a cylindrical casing 12 which is secured to the instrument base 6.

The wheel 11 is provided with a series of annularly disposed apertures 13 through which are discernible letters or numerals, see Fig. 3, provided on the top wall 14 of said casing. The wheel 11 is operated to effect a call by the operator putting his finger selectively into one of the apertures 13 and thereby rotating the wheel until the finger comes in contact with a finger stop 15,

These actions are repeated until a complete call is transmitted.

The finger stop above referred to is rigidly secured to the peripheral wall of the casing 12 as by means of screws extending through ear elements of the stop-finger shank 16.

All of the above devices are old in the art.

In carrying out the present invention I provide an annular plate 17 integral with a circular flange 18 depending from the inner edge of the plate and of an internal diameter to receive the casing 12 within the same as shown in Fig. 4. The plate 17 and the flange 18 are formed or provided with a slot or way 19 to accommodate the stop-finger shank 16 and cooperates with the latter to secure the device against rotary movement with respect to the casing 12. The plate element 17 of the device is provided thereon with numbers and letters such as 20 and 21, for example, corresponding to the index characters provided on the casing wall 14 and arranged circumferentially to be in registering positions with the respective index characters.

As shown the plate element 17 is provided with recesses 23 and 24 to afford spaces for the instrument post 7 and receiver 10, respectively. With a wall telephone instrument, the device need not be provided with recesses 23 and 24.

For use the device is connected by its flange element 18 embracing the casing 12 and at an elevation to have the top surface plate element 17 located in a plane with the top surface of the dial wheel, or nearly so, whereby the index characters on the plate 17 will be clearly exposed to the sight of the operator.

This is an important advantage of the invention as it obviates the necessity of compelling the operator to look down through the wheel apertures 13 to discover the index character on the casing and which characters are oftentimes in the shadow of the dial wheel.

What I claim, is:—

1. The combination with a telephone instrument provided with a circular casing having a series of index characters on the upper surface thereof, a dial wheel disposed above said casing and mounted to rotate about the axis of the casing, said wheel being provided with sight apertures for the respective index characters, and a finger stop secured to the casing and extending over said wheel, of an annular device comprising a substantially circular plate element and a flange element extending downwardly from the inner periphery of

said plate element for engaging the device to said casing, and means to secure the device to the casing against rotary movement, said plate element being provided upon its upper surface with a series of circumferentially disposed index marks.

2. The combination with a telephone instrument provided with a circular casing having a series of index characters on the upper surface thereof, a dial wheel disposed above said casing and mounted to rotate about the axis of the casing, said wheel being provided with sight apertures for the respective index characters, and a finger stop secured to the casing and extending over said wheel, of an annular device comprising a substantially circular plate element and a flange element extending downwardly from the inner periphery of said plate element for engaging the device to said casing for supporting the plate element to have the upper surface of the latter in approximately the plane of the upper surface of said wheel, said plate element having upon its upper surface a series of spaced index characters disposed concentrically of the axis of said wheel, and means provided on the device and engageable with said finger stop for coupling the device to the casing against rotary displacement.

3. In apparatus of the character described, an annular guide chart device comprising a circular plate element having index marks thereon, and a flange element depending from the inner periphery of the plate element, said plate and flange elements being provided with a slot, substantially as and for the purpose described.

Signed at Seattle Washington, this 27th day of March, 1924.

MURRAY L. ONG.

Witnesses:
PIERRE BARNES,
CHAS. S. HINES.