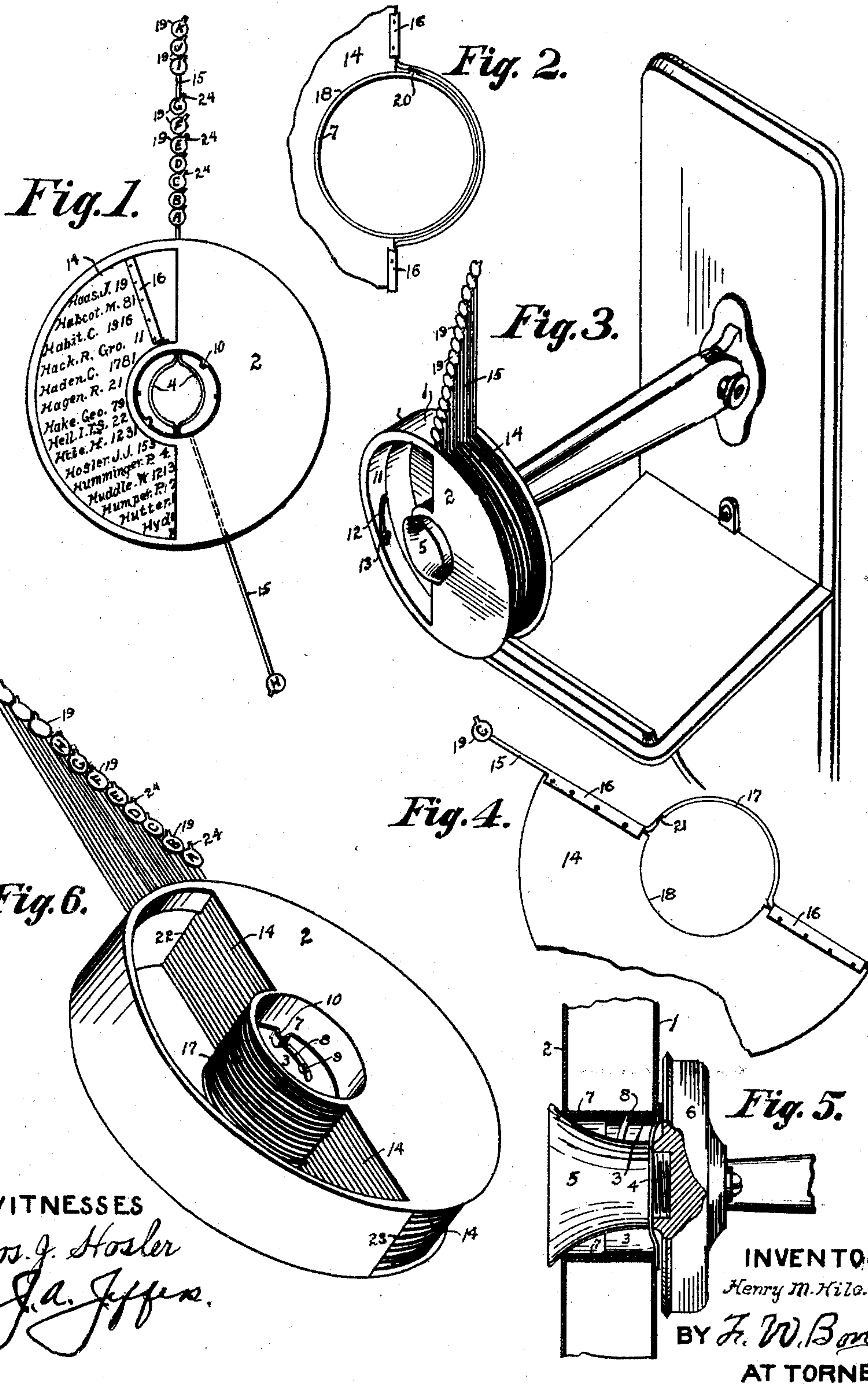


No. 775,921.

PATENTED NOV. 29, 1904.

H. M. HILE.
TELEPHONE CALL TELLER.
APPLICATION FILED JULY 15, 1904.

NO MODEL.



WITNESSES

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HENRY M. HILE, OF CANTON, OHIO.

TELEPHONE-CALL TELLER.

SPECIFICATION forming part of Letters Patent No. 775,921, dated November 29, 1904.

Application filed July 15, 1904. Serial No. 216,642. (No model.)

To all whom it may concern:

Be it known that I, HENRY M. HILE, a citizen of the United States, and a resident of Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Telephone-Call Tellers; and I do hereby declare that the following is a full, clear, and exact description of the same.

The object of the present invention is to provide a device by which the name and number of a telephone subscriber can be brought to view for the purpose of calling the central operator.

In the accompanying drawings, Figure 1 is a front view showing one of the indicator plates or blades partially turned into view. Fig. 2 is a view showing a portion of one of the indicator-blades and manner of attaching same to the operating and retaining device. Fig. 3 is a view showing my improvement properly attached to a telephone. Fig. 4 is a detached view of one of the blade-holding devices, showing the blade partly broken away. Fig. 5 is a vertical section of the shell or housing. Fig. 6 is a perspective view showing the different parts properly arranged and the same detached from the telephone.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

In the accompanying drawings, 1 represents the back or fixed member of the shell or housing, and 2 represents the front section or member of the housing. Said members 1 and 2 when brought into proper relative position are located with reference to each other substantially as shown in Figs. 1, 3, 5, and 6.

The fixed section or member 1 is provided with the integral annular flange or hub 3, which is formed hollow, as illustrated in the drawings, and at the back or rear portion of said flange are located the connecting-wires 4, which connecting-wires are formed of spring material and are so formed for the purpose of fitting upon the screw-threaded ends of the transmitter 5, which transmitter is of the usual construction and forms no particular part of the present invention except that the transmitter is used to provide a means for clamping my improved device between the dia-

phragm-head 6 and said transmitter, substantially as illustrated in Fig. 5.

The shell or housing 2 is provided with the hub or flange 7, which hub or flange is connected to the flange or hub 3 of the fixed housing member 1.

For the purpose of securely connecting the flange or hub 3 and the flange or hub 7 together the flange 3 is provided with the curved slot 8 and the hub 7 provided with the head or knob 9, which head or knob is passed into the open end of the slot 8 and the housing 2 rotated, which moves the head 9 in the slot 8, thereby connecting the two hubs together.

For the purpose of preventing any springing movement or opening of the slot 8 the flange or hub 3 is provided with the bent connected portion 10.

The housing or member 2 is provided with the inward-extending flange 11, which inward-extending flange is provided with the curved slot 12, which curved slot receives the head 13, which head is formed upon the member 1, by which arrangement the two sections or members are so connected that there will be no relative movement between said members, and at the same time they can be easily detached from each other.

For the purpose hereinafter described the index-blades 14 are preferably formed semicircular and preferably of celluloid; but I do not desire to be confined to any particular kind of material. To the plates 14 are attached the rods 15 by means of suitable clips 16.

The rods 15 are provided with the semiannular portions 17 and the blades 14 with the semicircular recesses 18, by which arrangement a circular opening is provided, which opening is for the purpose of receiving the hub 7, or, in other words, for providing a means for placing any desired number of plates 14, together with the part attached thereto, upon the hub 7.

In use it is desirable to have the same number of plates that there are letters in the alphabet, or substantially so, and each rod 15 provided with a letter-disk 19, and for the purpose of bringing the different letters of the alphabet to view the rods 15 increase in length from front to rear, as illustrated in Fig. 3.

In assembling the different blades 14, together with their operating-rods, it is desirable to have the letters upon the letter-disk correspond with the first letter of the name of the subscriber, this feature being illustrated in Fig. 1, and by the use of the letter "H," by which arrangement when the rod 15, provided with the letter-disk "H," is turned to the right and downward it will expose to view the blade having the subscribers' names beginning with "H," by which arrangement any alphabetical list of names may be brought to view.

For the purpose of preventing one blade from following another the hub 7 is provided with the rib 20 and the curved portion 17 of the rod 15 is provided with the notch 21, which notch 21 receives the rib 20, as illustrated in Fig. 2, when the various rods 15 are brought into vertical position. (Illustrated in Fig. 1.)

It will be understood that the rib 20 and the notch 21 should be so formed that a slight pressure upon any rod 15 will disengage the notch from the rib.

The member 1 of the housing is provided with the shoulders 22 and 23, which shoulders are preferably located diametrically opposite each other, so that each of the blades 14, together with their different attachments, can be given a half-turn, by which movement the blades 14 are exposed or located side by side and back of the front blade of the housing member 2.

When it is desired to remove any particular blade or to add new blades from time to time, the front member 2 is removed, together with the different blades and their attachments, after which they can be detached and rearranged or new blades provided.

For the purpose of providing a means for turning the different rods 15, the letter-disks 19 or the rods, as the case may be, are provided with the angled nibs 24, and by locating the same at an angle they can be reached by the finger without disturbing or interfering with any of the rods except the one desired to be turned.

The object and purpose of forming the wires 4 of yielding or spring material is to provide a means for attaching the device to transmitter-tubes of different sizes or of different diameters.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a device of the class described, a telephone-transmitter tube, a housing formed of detachable members, one of the members secured to said telephone-transmitter tube and

the other detachably connected thereto, hubs formed upon the housing members, and one located within the other, index-blades provided with operating-rods, and the rods provided with letter-disks, substantially as and for the purpose specified.

2. In a device of the class described, a telephone-transmitter, a housing secured to said telephone-transmitter, said housing having located therein, a series of index-blades adapted to rotate, and rods connected to the blades, said rods formed of different lengths and provided with letter-disks, substantially as and for the purpose specified.

3. In a device of the class described, a housing formed in sections, and hubs, one of the sections provided with an attaching-wire formed of spring metal adapted to be connected to a telephone-transmitter, and index-blades located within the housing, and said index-blades provided with rods having letter-disks and nibs, substantially as and for the purpose specified.

4. In a device of the class described, a housing having located therein a series of index-blades arranged alphabetically, said blades provided with bars and the bars consisting of extended portions and curved portions, the curved portions provided with recesses, a retaining hub or flange provided with a rib adapted to engage the recesses of the curved portions of the blade-operating bars, substantially as and for the purpose specified.

5. In a device of the class described, a transmitter-tube, a housing having located therein a series of index-blades, said blades located concentrically with the transmitter-tube and the blades provided with rods having letter-disks, substantially as and for the purpose specified.

6. In a device of the class described, a transmitter-tube, a housing formed in sections and the sections detachably connected together, and one of said sections provided with stop-shoulders located substantially diametrically opposite each other, a series of rods adapted to strike against the shoulders, said rods having connected thereto index-blades, and the index-blades rotatable around the transmitter-tube, and means for temporarily holding the blades against rotation, substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

HENRY M. HILE.

Witnesses:

J. A. JEFFERS,
F. W. BOND.