April 29, 1924. 1,492,096

E. A. BOHLMAN

DESK STAND

Filed Sept. 2, 1920 2 Sheets-Sheet 1

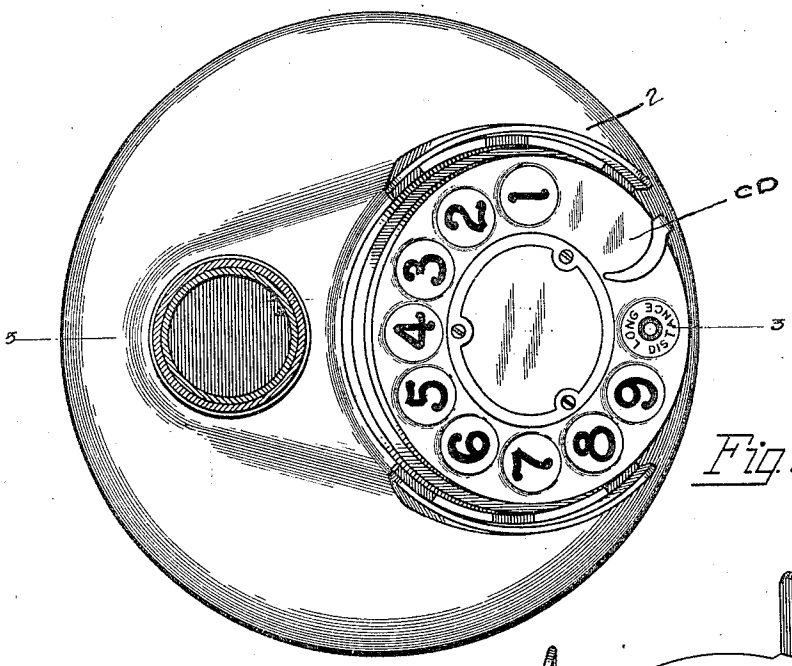


Fig. 2.

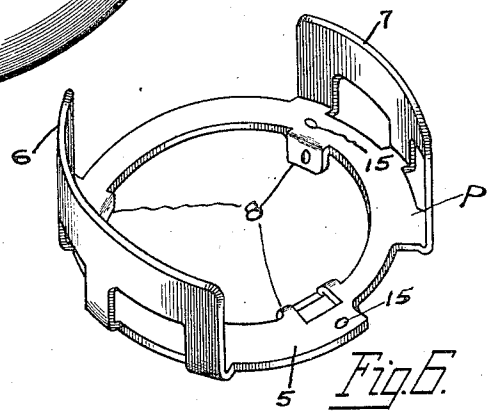


Fig. 6.

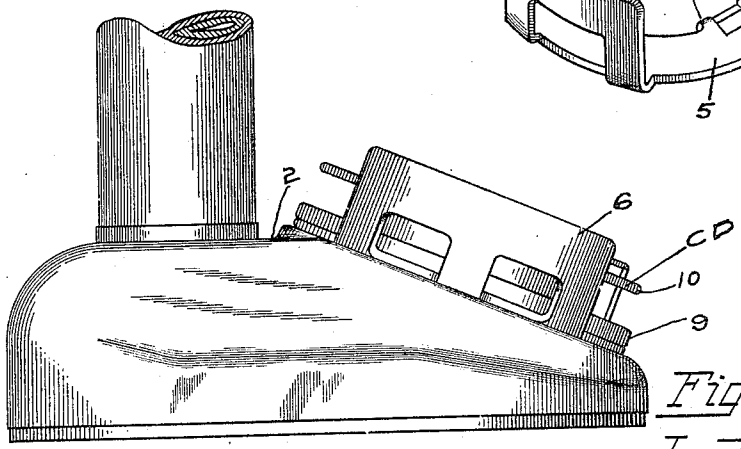


Fig. 1.

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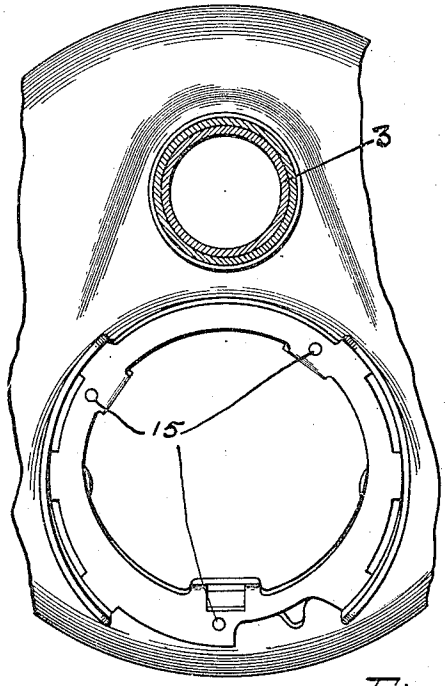


Fig. 5.

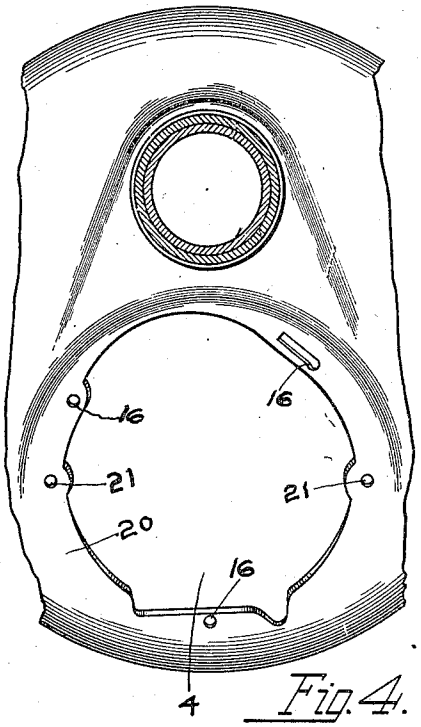


Fig. 4.

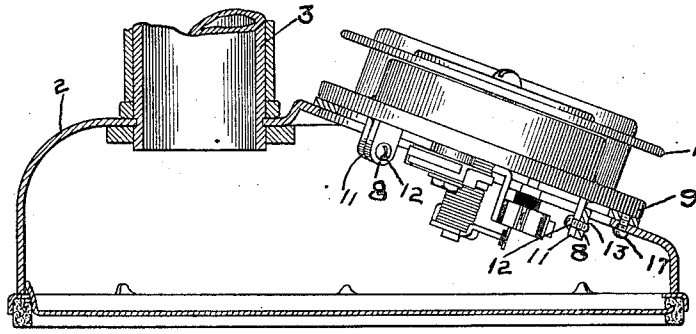


Fig. 3.

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Patented Apr. 29, 1924. 1,492,096

UNITED STATES PATENT OFFICE.

ERNEST A. BOHLMAN, OF CHICAGO, ILLINOIS, ASSIGNOR TO KELLOGG SWITCHBOARD AND SUPPLY COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

DESK STAND.

Application filed September 2, 1920. Serial No. 407,640.

To all whom it may concern:

Be it known that I, ERNEST A. BOHLMAN, a citizen of the United States of America, residing in Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Desk Stands, of which the following is a specification.

My invention relates to telephone desk stands which are provided with calling devices such as are used for controlling automatic switches.

At present there are different types of calling devices which have different mounting centers, and owing to this fact, the same desk stand will not accommodate the different types of calling devices. To overcome this objection I have devised a desk stand and a combined adapter and protector which permits the same desk stand to receive the different types of calling devices. An object of my invention, therefore, is to provide an improved desk stand and a combined calling device adapter and protector for use with such desk stand.

An objection found with certain types of calling devices is that, should the substation desk stand be dropped or some object dropped upon the setting member of the calling device, the actuating or setting member would be distorted or bent out of shape. Now, when the calling device is put to use and the setting member rotated, the distorted or bent portion of the said setting member engages the finger stop and prevents an operation of the same. To overcome this objection, my adapter is made in the form of a ring which rests between the desk stand base and the calling device. The protector is provided with a pair of upwardly extending flanges diametrically opposite and which extend forward past the face of the setting member so as to protect the same against damage.

For a better understanding of my invention, reference may be had to the accompanying drawings, in which like reference characters in the several views denote like parts, and in which—

Fig. 1 is a side elevation of my desk stand base, having attached thereto a calling device and an adapter and protective ring;

Fig. 2 is a plan view of Fig. 1;

Fig. 3 is a sectional view along the line 3—3 of Fig. 2;

Fig. 4 is a plan view of the desk stand base and the opening therein;

Fig. 5 is a view similar to Fig. 4 but showing the adapter and protective ring resting in the opening; and

Fig. 6 is a perspective view of the adapter and protective ring.

Referring now more in detail to my invention as illustrated in the accompanying drawings, it comprises the desk stand provided with a suitable base 2 and a standard member 3. The base 2 is provided with an irregularly shaped orifice 4 for purposes as will presently be described. The combined protector and adapter P comprises a ring-shaped member 5 and a pair of forwardly extending arcuate shaped members 6 and 7, diametrically opposite each other and integrally formed with the ring member 5. The ring member 5 is also provided with three downwardly extending lugs 8 integrally formed with the said ring member 5 and to which certain types of calling devices or impulse transmitters CD are secured.

The diameter of the ring member 5 and its arcuate flanged members 6 and 7 is of a size to permit the calling devices to be placed therein as illustrated in Figs. 1 and 2. The calling device CD which is illustrated in the drawings is provided with a mounting plate 9, upon which the mechanism of the device is secured and with the usual actuating or setting member 10. The calling device CD is provided with suitable extensions 11, and when the calling device CD is used in association with the adapter and protector P, the said device CD is set in the protector P with the arcuate flanged members 6 and 7 extending forward past the face of the setting member 10. When the calling device is in position within the member P, its extensions 11 register with the lugs 8 of the adapter P. Screws 12 pass through suitable openings in the extensions 11 of the calling device CD and have screw-threaded engagement with suitable tapped orifices 13 in the downwardly extending lugs 8 of the adapter P, as clearly illustrated in Fig. 3 and thus secure the calling device CD to the adapter P. The adapter P and calling device CD as a whole can now be mounted to the base 2 of the desk stand, and the ring member 5 of the adapter P, when the calling device CD

is inserted into the opening 4 in the base 2, rests upon the peripheral surface 20 around the said opening 4. The opening 4 permits the mechanism of the calling device CD to extend into the interior of the base 2 so that the usual electrical connections may be made with the said calling device. When the adapter P and calling device CD are in the position in the base 2 as illustrated in Fig. 3, orifices 15 in the ring member 5 and orifices 16 in the base 2 register, and screws 17 pass through the orifices 16 in the base 2 and have screw-threaded engagement with the tapped orifices 15 in the ring member 5 of the adapter P. The calling device CD and adapter P are thus secured as a whole in the base of the desk stand, and the arcuate flanged members 6 and 7 which extend forward beyond the face of the setting member 10 protect it against accidental damage due to the stand being inadvertently dropped, but do not interfere in any way with the proper actuation of the setting member 10.

Now, when my desk stand is used with the type of calling device which does not have the downwardly extending lugs 11, it is placed directly on the surface 20 of the desk stand and fastened thereto by means of screws which extend upwardly through the orifices 21 and the lower orifice 16 of the stand, into the mounting plate of the calling device, which is provided with tapped orifices to receive the said screws.

From the foregoing it is thus seen that when one type of calling device is used which is provided with tapped orifices in its mounting, the device is placed directly on the desk stand and the fastening screws pass directly through orifices in the desk stand into the tapped orifices in the mounting plate of the calling device; while, when calling devices of the type provided with lugs are to be used with my desk stand, the calling device is fastened directly to the combined adapter and protector P, which in turn is fastened to the desk stand.

What I claim as new and desire to secure by United States Letters Patent, is:

1. The combination of a telephone desk stand of the character described, a calling device of one character for direct attachment thereto, a calling device of a second character, a device for attachment to said desk stand adapting the calling device of the second character to be attached to the desk stand, and a pair of members formed integrally with said device for protecting said calling device of the second character against injury.

2. The combination of a telephone desk stand and calling devices of two different characters, a combined adapter and protector for connection to said desk stand, one calling device being adapted to be directly connected to the said telephone desk stand, and the other calling device being adapted to be connected to said desk stand through the medium of said combined adapter and protector.

3. A telephone desk stand of the character described provided with an orifice, an automatic calling device adapted to be connected to said telephone desk stand so that part of the mechanism of the calling device extends into said orifice, an adapter to be connected to said telephone desk stand and having arms extending within said orifice, and a calling device of a different character adapted to be connected to said adapter, thereby permitting the calling device of the second character to be connected to said desk stand.

4. The combination of a desk stand of the character described having an orifice therein, of an automatic calling device adapted to be placed upon said desk stand so that part of the mechanism of the calling device extends within said orifice, of means extending through the desk stand into the mounting plate of the calling device to secure the calling device to the desk stand, an adapter for connection to said desk stand by means of securing members extending through the desk stand into the adapter, said adapter having lugs extending into the orifice in said desk stand, a calling device of a second character having lugs for association with the lugs on the adapter, and means for connecting the lugs of the calling device to the lugs of the adapter to hold the said calling device in position relative to the desk stand.

5. The combination of a desk stand of the character described having an orifice therein, of an automatic calling device adapted to be placed upon said desk stand so that part of the mechanism of the calling device extends within said orifice, of means extending through the desk stand into the mounting plate of the calling device to secure the calling device to the desk stand, an adapter for connection to said desk stand by means of securing members extending through the desk stand into the adapter, said adapter having lugs extending into the orifice in said desk stand, a calling device of a second character having lugs for association with the lugs on the adapter, means for connecting the lugs of the calling device to the lugs of the adapter to hold the said calling device in position relative to the desk stand, and upwardly extending members for said adapter for protecting the setting member of said second calling device.

6. The combination of a desk stand of the character described having an orifice therein, of an automatic calling device adapted to be placed upon said desk stand so that part of the mechanism of the calling device extends within said orifice, of means extend-

ing through the desk stand into the mounting plate of the calling device to secure the calling device to the desk stand, an adapter for connection to said desk stand by means of securing members extending through the desk stand into the adapter, said adapter having lugs extending into the orifice in said desk stand, a calling device of a second character having lugs for association with the lugs on the adapter, means for connecting the lugs of the calling device to the lugs of the adapter to hold the said calling device in position relative to the desk stand, and a peripheral flange for said adapter extending upwardly past the setting member of said second calling device to protect the setting member of said calling device against injury.

7. The combination of a telephone desk stand of the character described having a portion thereof relatively flat and an orifice in the relatively flat portion thereof, a calling device having a relatively flat plate member adapted to fit against the relatively flat portion of the desk stand, means extending through the relatively flat portion of the desk stand into the plate of the said calling device for securing the calling device to the desk stand, a second calling device having a flat plate member and lugs extending therefrom, an adapter comprising a flat plate member having lugs extending therefrom, said adapter being constructed to fit against the flat portion of the base of the desk stand with the lugs of the adapter extending into the orifice of the base of the desk stand, and means extending through the base of the desk stand into the adapter to secure the adapter to the base of the desk stand, said second calling device adapted to be placed on said adapter so that the lugs of the calling device register with the lugs of the adapter so that the calling device may be secured to the adapter to hold the calling device in place relative to the base of the desk stand.

8. The combination of a telephone desk stand of the character described having a portion thereof relatively flat and an orifice in the relatively flat portion thereof, a calling device having a relatively flat plate member adapted to fit against the relatively flat portion of the desk stand, means extending through the relatively flat portion of the desk stand into the plate of the said calling device for securing the calling device to the desk stand, a second calling device having a flat plate member and lugs extending therefrom, an adapter comprising a flat plate member having lugs extending therefrom, said adapter being constructed to fit against the flat portion of the base of the desk stand with the lugs of the adapter extending into the orifice of the base of the desk stand, means extending through the base of the desk stand into the adapter to secure the adapter to the base of the desk stand, said second calling device adapted to be placed on said adapter so that the lugs of the calling device register with the lugs of the adapter so that the calling device may be secured to the adapter to hold the calling device in place relative to the base of the desk stand, and an upwardly extending flange for said adapter for protecting the setting member of said second calling device.

9. A device of the character described including a telephone desk stand, a plate-like member for direct connection to said desk stand, and a calling device for connection to said plate-like member whereby said calling device is connected to the base of said desk stand.

10. A device of the character described including a telephone desk stand, a plate-like member for connection to said desk stand, and a calling device for connection to said plate-like member whereby said calling device is connected to the base of said desk stand, said plate-like member having an upwardly extending portion for protecting the setting member of the calling device against injury.

Signed by me at Chicago, in the county of Cook and State of Illinois, this 31st day of August, 1920.

ERNEST A. BOHLMAN.