

No. 816,619.

PATENTED APR. 3, 1906.

H. TIDEMAN.
TELEPHONE DESK STAND.
APPLICATION FILED SEPT. 14, 1905.

Fig. 1. *Fig. 3.*

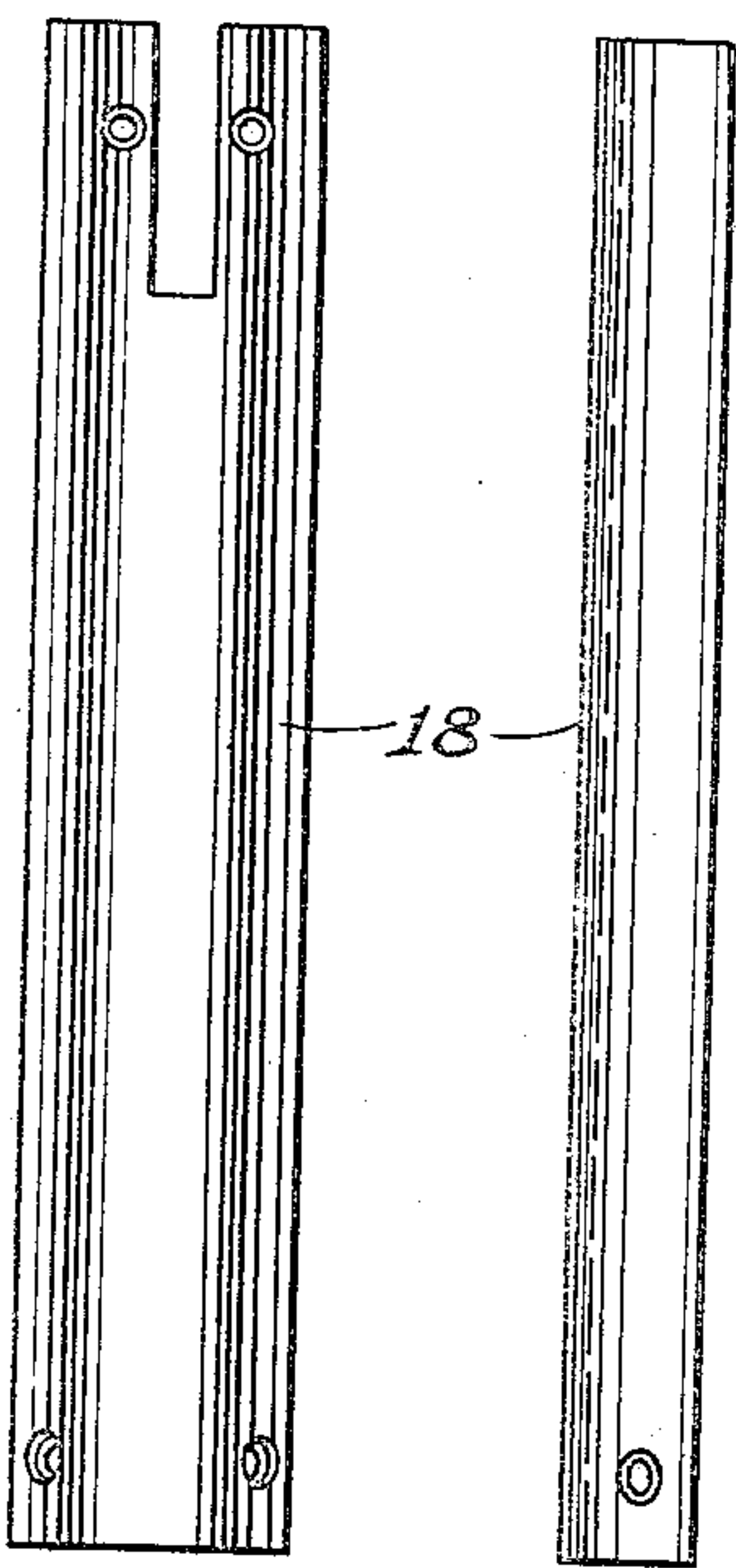


Fig. 2.

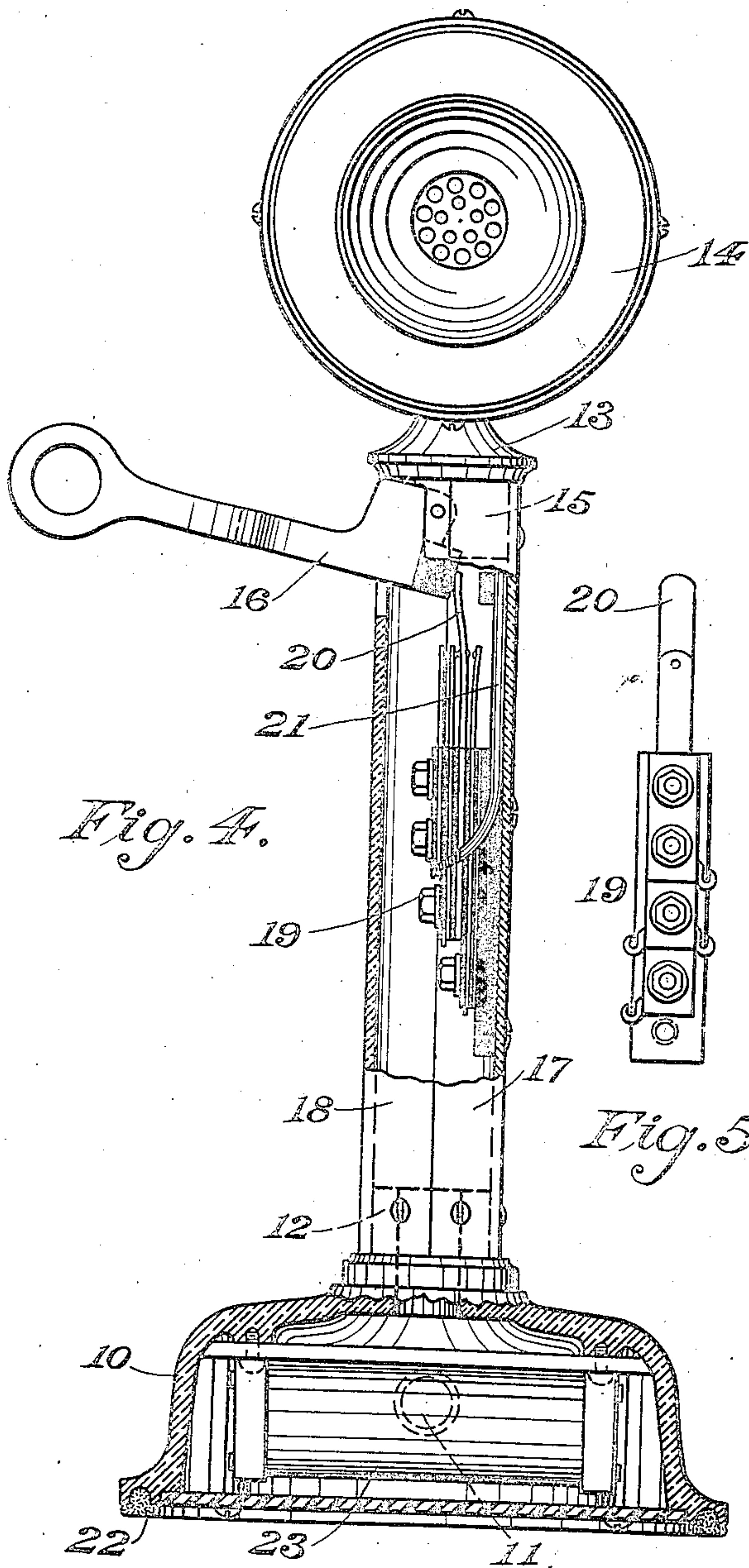
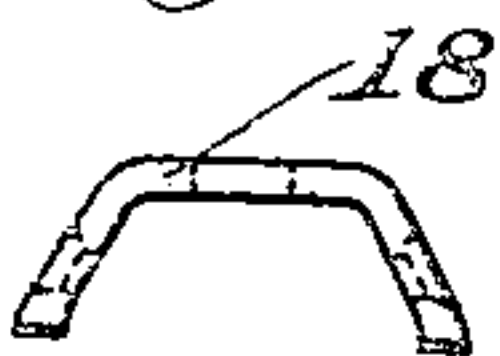
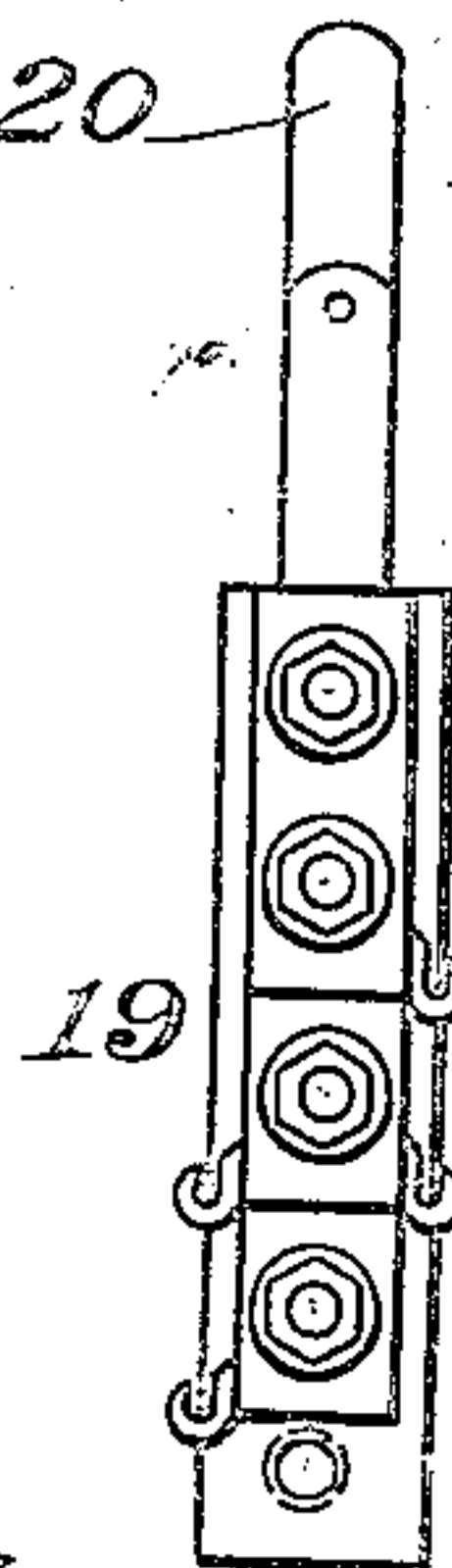


Fig. 4.

Fig. 5.



Witnesses:
Harold C. Prado.
David S. Hulfish.

Henry Tideman,
Inventor.
by Simpson B. Miller
Attorney.

UNITED STATES PATENT OFFICE.

HENRY TIDEMAN, OF MENOMINEE, MICHIGAN.

TELEPHONE DESK-STAND.

No. 816,619.

Specification of Letters Patent.

Patented April 3, 1906.

Application filed September 14, 1905. Serial No. 278,384.

To all whom it may concern:

Be it known that I, HENRY TIDEMAN, a citizen of the United States of America, and a resident of Menominee, county of Menominee, and State of Michigan, have invented a new and useful Improvement in Telephone Desk-Stands, of which the following is a specification.

My invention has as its object the production of a telephone desk-stand of outward appearance conforming to the present accepted standard for such apparatus, but of such structural detail as to give convenience in manufacture and installation of the desk-stand, and particularly to give convenience in the inspection of the working parts of the desk-stand and of its electrical connections subsequent to its installation, thus facilitating the work of repair-men who may visit the substation-telephone on account of trouble in the operation of the telephone system. This feature is obtained by making removable a portion of the vertical column of the desk-stand, thus accomplishing at once the possibility of mounting the hook-switch in the vertical column of the stand adjacent to the hook-lever, where the hook-switch logically would belong, and also the possibility of inspecting thoroughly the apparatus mounted within the vertical column.

My improved desk-stand is illustrated in the accompanying sheet of drawings, in which—

Figures 1, 2, and 3 show views of the detachable part of the vertical column of the desk-stand. Fig. 4 shows the complete desk-stand with the detachable part in place, the front of the vertical column being broken away to show the contained hook-switch and the front of the base being broken away to show the contained induction-coil; and Fig. 5 shows a view of the hook-switch 19 removed from the vertical column of the desk-stand and showing terminals for attaching conductors.

In Fig. 4, 10 is a cast base with bushed opening 11 for the entrance of the flexible cord containing the electrical conductors associated with the desk-stand and with leather strip 22 forming a yielding rib upon the under surface of the base 10 of the stand by which the desk or other surface upon which the stand may rest is saved from accidental abrasions. The base of the stand is cast hollow to receive the induction-coil 23 or other apparatus such as usually is mounted within

a telephone desk-stand. An upwardly-projecting lug 12 is hexagonal in form and is perforated to permit the conductors of the flexible cord to pass upward through it to the hook-switch mounted in the column above. 13 is a cast cap for the top of the vertical column of the desk-stand having a downwardly-projecting hexagonal lug 15, corresponding in its respective sides to the lug 12, the cap 13 having also upwardly-projecting lugs for holding the transmitter 14 and being perforated for the conductors required to pass to that transmitter. Lug 15 has mounted in it, pivotally sustained, the switch-hook lever 16. The vertical column of the desk-stand is formed of two parts 17 and 18, each of three sides and similar in form, except that the piece 18 is notched to receive the switch-hook lever. The part 17 is fastened rigidly to the base 10 and to the cap 13 by soldering or brazing to the lugs 12 and 15, respectively, or by screws, and the part 17 thus forms the main vertical web or rib of the desk-stand adapted to support the cap and transmitter upon it and to support also such apparatus as may be mounted within it. Upon the inner surface of the web 17 is mounted the hook-switch, (designated as a whole 19,) having a long spring 20 as one of its switching elements projecting into engagement with an insulated surface of the switch-hook lever 16 and by its spring tension furnishing the usual spring-power to force the hook upward when the receiver is removed and to permit the lever to descend and operate the switch when the receiver is hung upon the hook. Auxiliary contact-springs are shown to complete the hook-switch 19, and a conductor 21 is shown leading upward as to the transmitter 14. It will be seen that by the removal of the part 18 the hook-switch 19 is fully accessible for inspection or for the connection or disconnection of the conductors of the flexible desk-stand cord brought in through the opening 11 and the lug 12. The part 18 is held in place by screws passing through holes. (Shown in Fig. 1.) The parts 17 and 18 are shown of three sides each, but with corners rounded, making in assembly a tubular shaft of irregular but approximately hexagonal cross-section.

I do not wish to limit myself in all respects to the particular details herein shown and described. It is obvious that the exact form of the cross-section of the tube formed by the pieces 17 and 18 need not be hexagonal, or

even approximately so, as any convenient form of containing-column might be used. Likewise the base 10 and the cap 13, which I have described as being cast, might be formed
5 from sheet metal or made in any preferred manner.

What I claim as new, and desire to protect by United States Letters Patent, is—

1. In a telephone desk-stand, a base, a cap,
10 a web attached to said base and said cap and forming a part of the shaft connecting them, and a detachable plate forming the completing portion of the shaft between base and cap, substantially as described.

15 2. In a telephone desk-stand, a base, a cap, and a tubular shaft connecting said base and said cap and forming the structural supporting portion of the desk-stand between said base and said cap, said tubular shaft being
20 formed of two parts, a fixed one and a detachable one, substantially as described.

3. In a telephone desk-stand, a base, a cap, a tubular shaft connecting said base and said cap and forming the structural supporting
25 member of the desk-stand between said base and said cap, said tubular portion being formed of two parts, one fixed and one detachable, and an electrical switch mounted upon one of the parts of said tubular shaft,
30 substantially as described.

4. In a telephone desk-stand, a base, a cap, a tubular shaft connecting said base and said cap and forming the structural supporting member of the desk-stand between said base
35 and said cap, said tubular portion being formed of two parts, and an electrical switch mounted upon one of said parts, substantially as described.

5. In a telephone desk-stand, a base, a cap,
40 a tubular shaft connecting said base and said cap and forming the structural supporting

member between said base and said cap, said tubular member being formed of two parts, one fixed to base and cap and the other movable with reference to base, cap and fixed
45 part; an electrical switch mounted upon the fixed part of said tubular shaft; and a receiver-hook lever pivotally sustained in said cap and adapted to operate said electrical switch, substantially as described. 50

6. In a telephone desk-stand, a base, a cap, a tubular shaft connecting said base and said cap and forming the structural supporting member of the desk-stand between base and cap, said tubular member being formed
55 of two parts, one fixed to said base and said cap and the other movable with reference to said base, said cap and the fixed part; an electrical switch mounted upon one part of the tubular shaft; and a receiver-hook lever
60 pivotally sustained in said cap and adapted to operate said electrical switch, substantially as described.

7. In a telephone desk-stand, a base, a cap, a tubular shaft connecting said base and said
65 cap and forming the structural supporting portion of the desk-stand between said base and said cap, said tubular portion being formed of two parts; an electrical switch mounted upon one of the parts of said tubular
70 shaft; and a receiver-hook lever pivotally sustained in said cap and adapted to operate said electrical switch, substantially as described.

Signed by me, at Menominee, county of
75 Menominee, and State of Michigan, in the presence of two witnesses.

HENRY TIDEMAN.

Witnesses:

LEOPOLD JACKMAN,
MAYIN MCGOWAN.