

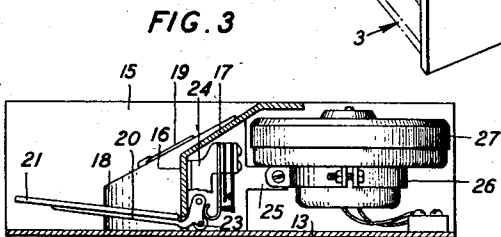
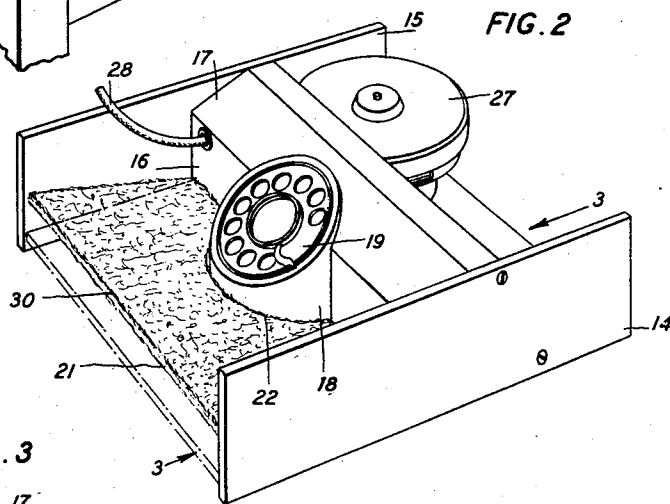
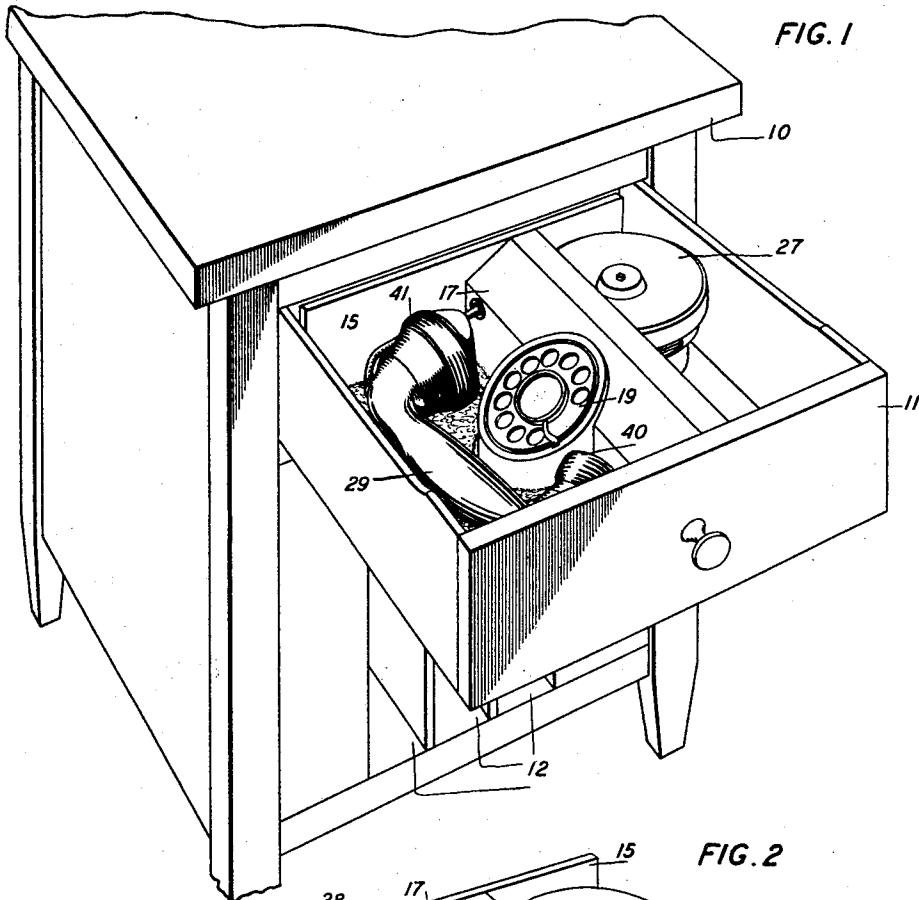
June 9, 1931.

F. A. HOYT

1,809,125

TELEPHONE SET MOUNTING

Filed May 21, 1930



INVENTOR
FREDERICK A. HOYT
BY
Walter C. Kiesel
ATTORNEY

UNITED STATES PATENT OFFICE

FREDERICK A. HOYT, OF EAST ORANGE, NEW JERSEY, ASSIGNOR TO BELL TELEPHONE LABORATORIES, INCORPORATED, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK

TELEPHONE SET MOUNTING

Application filed May 21, 1930. Serial No. 454,313.

This invention relates to mountings for telephone sets and more particularly to such mountings for telephone sets of the so called hand-set type.

5 The usual telephone set of either the desk type or hand-set type is placed on a desk or table where it is moved around to various positions when books or papers are laid upon the desk or table and is apt to be in the way or pushed off and damaged. Further-
10 more, the present trend of efficiency in business requires neat appearance in the office furniture and any movable object upon the desk conflicts with this requirement and is
15 therefore objectionable.

An object of this invention is to conceal the telephone set mounting in a drawer of a desk or table without the inconvenience of placing the cord conductor in the drawer
20 prior to closing the drawer.

In accordance with one embodiment of this invention the drawer telephone set comprises a unitary mounting having parallel side wall members and a partition extending between
25 the wall members and positioned intermediate the ends thereof. The partition is formed with the slope at the top which serves as a housing for apparatus associated with the telephone set. A calling dial is mounted
30 on the sloping portion of the partition at a central position and projects out from the partition. A hinged shelf is supported from the partition and extends toward the ends of the side wall members. This shelf is adapt-
35 ed to support a telephone handset and operates a switch attached to the partition when the handset is placed upon or removed from the shelf. The partition also supports a cord reel which is carried by a bracket at-
40 tached to the partition on the same side on which the switch is mounted. The cord reel is positioned at one end of the mounting so that the conductor wound thereon may pass through an aperture in the partition and
45 be attached to the handset lying on the hinged shelf. This assembly facilitates the placing of the mounting in a drawer of a desk or table without obstructions preventing the closing of the drawer. The operation of the
50 telephone set is more convenient since the

conductor cord is automatically served from or wound on the reel as the handset is removed from or placed on the shelf. Furthermore, when the telephone is not being used the drawer is closed thereby completely con-
55 cealing the instrument and since the top of the desk is clear, it may be utilized to full advantage.

These and other features of the invention will be clearly understood from the follow-
60 ing detailed description in connection with the accompanying drawings showing one embodiment of the invention:

Fig. 1 is a perspective view of a table with the drawer open to illustrate the position of
65 the telephone set mounting of this invention;

Fig. 2 shows in perspective the telephone set mounting of this invention removed from the drawer and the position of the hinged
70 shelf when the hand set is removed therefrom; and

Fig. 3 is a view in cross-section on the line 3—3 of Fig. 2 showing the assembly of the detailed parts comprising the telephone
75 mounting of this invention.

Referring to the drawings, 10 represents a table, desk or other article of furniture having a drawer 11 at the top thereof and a number of receptacles 12 below the drawer in which the usual directories may be stored.
80 The mounting for the telephone set of this invention which is shown in the drawer 11 of the table in Fig. 1, comprises a flat base 13 to which is attached parallel side wall members 14 and 15. These wall members are rigidly
85 held together by a partition 16 extending between the wall members at right angles thereto and located intermediate the ends of the wall members 14 and 15. The partition 16 is
90 provided with a sloping portion 17 to form a housing for apparatus associated with the telephone set which will be hereinafter described. A substantially semi-cylindrical
95 mounting 18 projecting from the partition 16 may be formed integral with the partition 16. This mounting supports a calling device or dial 19 at an angle substantially parallel to the sloping portion 17 of the partition so that the dial may be manipulated to call a tele-
100

phone number connected to an automatic exchange.

Attached to the rear of the partition 16 are spaced parallel pivoted arms 20, one of which is shown in Fig. 3, which extend toward the front of the mounting as viewed in Fig. 2. A flat member or shelf 21 is rigidly attached to the arms 20 and occupies an area surrounded by the side wall members 14 and 15, the partition 16 and mounting 18 and the open end between the side wall members. This shelf is provided with a cut-out portion 22 surrounding the semi-cylindrical mounting 18. One of the arms 20, as shown in Fig. 3, is provided with a roller 23 which engages the springs of a switch 24 which is attached to the rear of the partition 16. A support 25 at the opposite end of the partition extends rearwardly and carries a ring clamp 26 which rigidly fastens a cord reel 27 to the partition. The construction of the reel may be of the type disclosed in my copending application Serial No. 364,146, filed May 18, 1929. This reel is constructed to limit the length of cord unwound from the reel and also provides a definite length of conductor such as 28 extending from the reel to the handset 29 which comprises a receiving unit 40 and a transmitting unit 41, shown in Fig. 1, desposited on the pivoted shelf 21. Fig. 2 shows both positions of the shelf 21, i. e., the elevated position as shown in full line when the handset is removed from the shelf and the depressed position shown in outline when the handset is desposited on the shelf. It will be readily seen that when the pivoted shelf is moved to either position the springs of the switch 24 are operated to open or close the circuit for the hand telephone set. The shelf 21 is covered with a friction material 30, such as felt, to act as a cushion for the handset and also prevent slippage thereof.

The assembly of the mounting of this invention offers a compact unit in which the transmitter and receiver of the handset 29 lie on opposite sides of the calling dial mounting 18 and the handle of the telephone set extends across the narrow portion of the shelf 21. The partition 16 is shown as extending slightly beyond the center of the side walls, but it is, of course, understood that the apparatus mounted on the rear of the partition may be completely enclosed by extending the partition to the rear edges of the side walls to prevent dust and dirt to enter this compartment. While the telephone set has been disclosed in a particular table drawer shown in Fig. 1, it is, of course, understood that the telephone mounting of this invention may be located in a drawer of any piece of furniture and also mounted in a different position than that shown in Fig. 1.

It is also understood that the invention is not limited to the specific details of construction shown since the casing may be easily re-

designed to present a more pleasing appearance. One of the main concepts of the invention resides in the combination of the casing supporting the pivoted shelf at the front thereof and the cord reel and other apparatus enclosed in the rear compartment so that the assembly is relatively flat and may be placed in a drawer to completely conceal the telephone set, whereby the desk or table may be used without hindrance by movable objects placed thereon.

What is claimed is:

1. A telephone set mounting adapted to be inserted in a drawer of a desk or table comprising a casing having a separating wall, a flat member hinged to said wall adapted to receive a hand telephone, a reel carried by said wall on the opposite side from said flat member, and a cord conductor extending from said reel to said handset through said wall.

2. A telephone set mounting comprising a casing having side walls and a partition separating said side wall, a hinged shelf supported at one side of said partition, and a cord reel supported on the other side of said partition.

3. A telephone set mounting comprising a casing having side walls and a partition separating said side walls, a calling device mounted on said partition, a hinged shelf supported on one side of said partition, and a cord reel supported on the other side of said partition.

4. A telephone set mounting comprising a casing having side walls and a partition separating said side walls, said partition having a central curved portion adapted to form a mounting for a calling device, a hinged shelf supported on one side of said partition, and a cord reel supported on the other side of said partition.

5. A telephone set mounting comprising a casing having side walls and a partition separating said side wall, a hinged shelf supported on one side of said partition, a cord reel supported on the other side of said partition, and friction material covering said hinged shelf.

6. The combination in a telephone set which comprises a casing having parallel side members and a partition extending between said members intermediate the ends thereof, a rotatable calling dial carried by said partition, a hinged shelf between said members on one side of said partition, a switch actuated by said shelf on the other side of said partition, and a cord reel supported on the rear of said partition.

7. The combination in a telephone set which comprises a casing having parallel side members and a partition extending between said members intermediate the ends thereof, a rotatable calling dial on one side of said partition, pivoted arms projecting from said

partition, a shelf member attached to said arms extending on one side of said partition, and a cord reel supported on the other side of said partition.

5 8. The combination in a telephone set comprising a casing having parallel side members and a partition extending between said members, a calling device mounted on the front portion of said partition, pivoted
10 arms extending forwardly from the lower portion of said partition, a shelf member attached to said arms, a clamping ring projecting from the rear of said partition, and a cord reel rigidly supported by said clamping ring.

15 9. A telephone set comprising a receiver and a transmitter in a unitary structure, a cord, an automatic take-up for the cord, and means for mounting said elements in a desk or table drawer so that said elements will be
20 unexposed to view except when said drawer is open.

10. A telephone set comprising a handset, a cord and automatic take-up device for the cord, switching contacts, means for mounting
25 said elements in the drawer of a desk or table so that when said set is not in use it is unexposed to view and means operative when said handset is removed from said drawer to actuate said switching contacts.

30 In witness whereof, I hereunto subscribe my name this 16th day of May, 1930.

FREDERICK A. HOYT.

35

40

45

50

55

60

65