

No. 753,563.

PATENTED MAR. 1, 1904.

L. M. ERICSSON.
PORTABLE OR TABLE TELEPHONE INSTRUMENT.

APPLICATION FILED SEPT. 30, 1902.

NO MODEL.

2 SHEETS—SHEET 1.

Fig. 1.

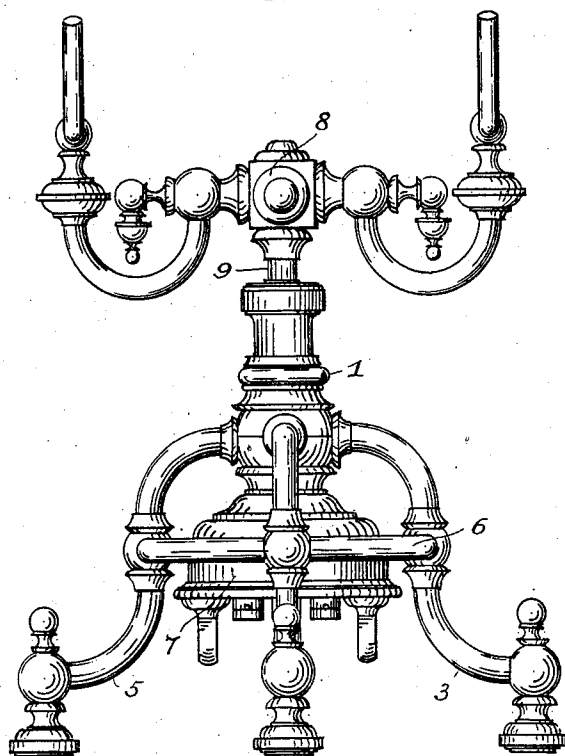
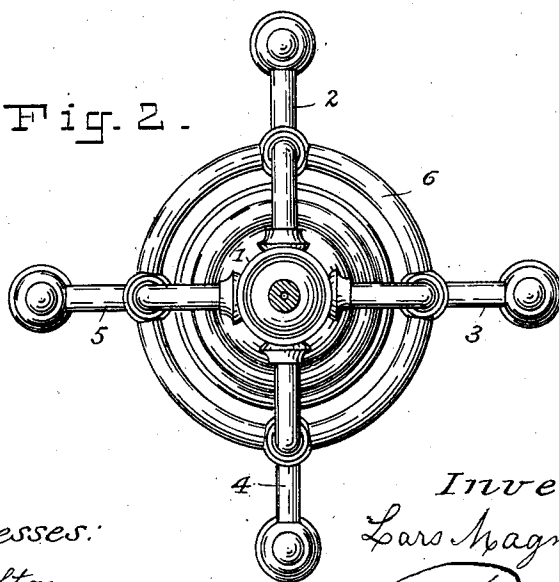


Fig. 2.



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2 SHEETS—SHEET 2.

Fig. 3.

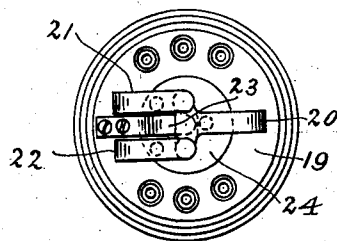
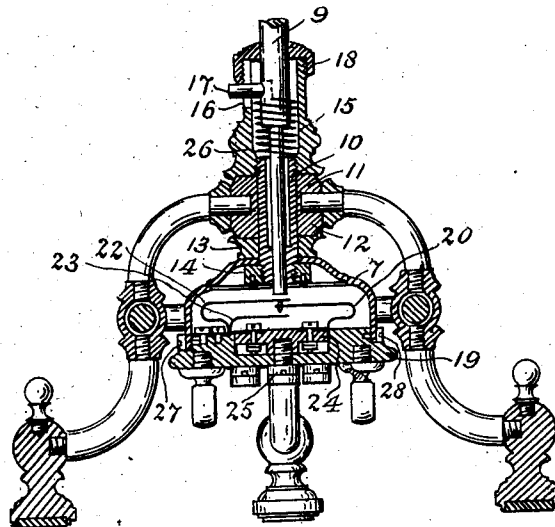


Fig. 4.

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UNITED STATES PATENT OFFICE.

LARS MAGNUS ERICSSON, OF STOCKHOLM, SWEDEN, ASSIGNOR TO AKTIEBOLAGET L. M. ERICSSON & CO., OF STOCKHOLM, SWEDEN.

PORTABLE OR TABLE TELEPHONE INSTRUMENT.

SPECIFICATION forming part of Letters Patent No. 753,563, dated March 1, 1904.

Application filed September 30, 1902. Serial No. 125,395. (No model.)

To all whom it may concern:

Be it known that I, LARS MAGNUS ERICSSON, manufacturer, a subject of the King of Sweden and Norway, and a resident of Thulegatan 5, Stockholm, in the Kingdom of Sweden, have invented certain new and useful Improvements in Portable or Table Telephone Instruments, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to portable or table telephone instruments adapted to be used in installations arranged on the central-battery system.

According to the invention the improved instrument is made with a central portion carried by a number of feet and having a hole bored vertically through it to receive the switch-bar of the hook carrying the hand-microphone. Between the feet and beneath their point of junction with the central portion is a coupling-box inclosing the springs, serving to make or break the circuits through which the voice-currents are transmitted, the said box being provided at its under side with devices for connecting the apparatus with the line as also for bringing the conducting-wires in the cord connected with the hand-microphone into circuit.

Figure 1 shows in elevation an instrument made according to my invention. Fig. 2 is a sectional plan view of the same. Fig. 3 is a vertical section of the apparatus, the upper part of the hook-switch being broken away; and Fig. 4 is a plan view of the cover of the coupling-box.

1 is the central portion, carried by the feet 2, 3, 4, and 5, which are held together by the ring 6.

8 is the hook-switch carrying the hand-microphone, the said hook-switch being attached to the bar 9, passing through the central portion 1 and extending within the coupling-box, where it rests upon the connecting-springs, hereinafter described.

The central piece 1 comprises the hollow part or sleeve 10, screw-threaded at both ends and carrying two rounded plates or disks 11

12, holding between them the upper ends of the feet 2 to 5. The screwed ends of the sleeve 10 also carry beneath the plates 11 and 12 a ring 13 and the coupling-box 7, the whole being tightly screwed together by means of the nut 14 and the internally-screw-threaded upper part 15. This part 15 is formed with a notch 16 for receiving a stop-pin 17, projecting from the bar 9. (See Fig. 3.) A nut 18 limits the upward movement of the pin 19, and thereby of the bar 9, the lower edge of the notch 16 limiting the downward movement.

The coupling-box 7 is closed by a cover 19, secured in position by screws 27 28. Mounted on the cover are the switch-springs 20 to 23. Of these springs those denoted by 20 21 22 are attached to a central plate 24, fastened to the cover by a screw 25, while the spring 23 is fastened directly to the cover.

When the hand-microphone is removed from its hooks, the bar 9 is held by the coiled spring 26 in its upper position, and the spring 20 is in contact with the two upper springs 21 and 22. When, on the contrary, the hand-microphone is placed upon its hooks, the bar 9 is depressed and moves the spring 20 into contact with the spring 23.

It is obvious that the arrangement of the switch-springs in the coupling-box can be varied, and the arrangement of the said springs forms no part of the invention.

The cover 19 is provided at its lower side with terminal screws and with two rings. Drawn through one of these rings is the cord containing the line conductors, the said conductors being then screwed or connected to the lower side of the cover. The cord connected with the hand-microphone is drawn through the other ring, the conducting-wires of the said cord being also electrically connected with the cover. The screws are electrically connected with connecting-screws inside the cover, and these internal screws are connected with the switch-springs.

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

A portable or table telephone instrument

comprising a tubular central portion, a plurality of outwardly and downwardly supporting members or feet supporting said tubular portion, an encircling ring connecting said
5 members, a coupling-box carried on the under side of said central portion within said ring, switch-springs within said box, a switch-rod moving vertically within said tubular central portion and adapted to cooperate with said

springs and a receiver-hook on the rod above the central portion, substantially as described. 10

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

LARS MAGNUS ERICSSON.

Witnesses:

IVAR HALLSTED,

AUG. SORANSON.