

Nov. 28

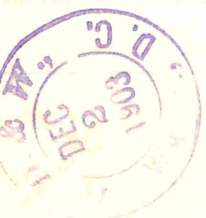
LM-0061

An the Wireless Telephone

Page 1, line 10, after the word: transmit, add: and receive. Line 12, after the word: wires, write: that is, to transmit and receive: a), articulate speech; b), selected words or tones. a), by means of a pencil or columns of composite light, in connection with a selenium plate; b), by means of the electric waves, according: c), to the common way, or, d), to my own system of wireless telegraph, and also in connection with certain devices for calling the attention of the listener, e), by means of the electric impulsus or, f), by flickerings of light. Only a) is the object of this application properly speaking; b), c), d), e) and f) constitute the matter of other co-pending applications: However, I claim have the use or adaptation of this devices to my own wireless telephone, because without the use of one of this devices, I could not call the attention of the operator at the other station.

Same page, line 19, after the word: Figure, write: 3.

Page 2, line 6, cancel the number 3, and write: 5, cancel also the number 3 after the word: transmitter, and write: C. Line 11, after the word: lower, add: insulating. Line 12, cancel the word: cylinder, and write: tube. Line 16, after the word: When, add: one uses, and after the word: fan, insert: and it is in action. Line 17, after the number: 9, add: or 10, and after the word: air, insert: opens the valve 14. At the same line, after the word: passes, write:



with the sounds from 9. Line 18, cancel the expressions
12, and has impressed etc..., until the words: horn
16; at line 20, and put in lieu: 15, and the sounds
with the blast of air, are projected by the
number 16 against the deflector 17, and by this
are send^d forth through the interior of the
barrel C, which is also traversed by the pen-
cil or column of composite light from 18. Line
26, cancel the words: and covered etc..., until
the words: colored glass, at line 27. Line 30,
after the word: violet, add: or actinic; cancel
the word: and, before the word: ultra, and
cancel also the word: as, after the word: rays.
Line 31, cancel the words: rays of violet light, and
write in lieu: violet or actinic rays or will
augment its intensity; so, for instance. I may
adjust into the cubical openings of 25, little
plates of blue glass, and in a way that the
little plates may be fixed in place vertically
and parallelly to the walls of the cubical
openings and in the center of the same
cubical openings. (1) I may also cover the inte-
rior end of the deflector 17 with a thin sheet
of glass, stripped or made by clear and blue
listels. I insist on this manner for producing
violet and actinic rays, because it is much
economic and adaptable to all substances,
slipping the clear light, for purpose to obtain
violet or actinic rays. Page 3, line 4, cancel
the number 108, and write: 111. Same
page and line, cancel the number 111,

(1) The pla-
tes of glass
are put
at right
angles
with the
little cubi-
cal open-
ings, way
of the
grating

and write: 108. Lines 8, 10, 20, 31, after the word: violet, add: or actinic. Line 16, cancel the words: This light etc... until the words: mirror 19 at line 19, and insert in lieu: The member 25 at its extremities is insulated, and also its last central metallic plate in which the member II enters. It is electrically connected with the wires of 44-39 (Fig. 1), by means of the two insulated wires, which pass through center of the insulating jacket existing in the center of the cylinder II, formed of two metallic pieces telescoping one in the other. The two connecting wires as the piece 25, have no communication with the interior or exterior walls of the member II. Line 27, cancel the word: cylinder, and write: tube. Line 30, after the word: hollow, write: that is, vacuum. At the same line after the word: metal, write: or glass. Page 4, line 1, after the word or number 52, add: is used some times, and at same line, cancel the for, and write: with. Line 3, after the word: on the ~~insulated~~, write: insulated. Line 4, cancel the words: For receiving etc... until the word: Thus, at line 5. Line 8, after the number 40, write: The number 50 I may replace for my own Phonetic Interrupter. Two apparatus like that shown on the Figure 2, and described above, fron-
ting at a distance relatively short may be used for sending and receiving acous-
tically, that is, without the office of the telephone 50 and the selenium plate 40.



Then, for sending the operator speaks through the mouth-pieces 10 or 9, for receiving he approaches 10 and 9 to his ears. The fan 11 only in this case is used, and only in sending. The apparatus then works based on the principles of the old conjugate mirrors, and I find that the addition of the light from 18 or 11, improves the effects. The apparatus so taken, is of little commercial value; however I claim it, because properly speaking, it constitutes the transmitter of my own wireless telephone, as my own selenium cell, here described, constitutes its receiver in connection with my clear-actinic light, that is, light composite of clear light and actinic rays. Line 19 cancel the words: to the ear of the listener etc., until the word or number 9; and write in lieu: and the listener can hear approaching the telephone 50 or the mouth-pieces 10-9 to his ears. In this last case must close the communication between the numbers 16 and 15. Line 23, after the word: sounds, write: as is said above. Line 25, cancel the words: It may etc., until the words: photophone at page 5, line 10.

Line 11, page 4, cancel the word: he, and write: the, and after the number 29, write: (Figure 2). Line 17, cancel the words: A similar etc., until the word: way, and insert in lieu: One of the extremities of this crown is contracted, for purpose to be adjusted into

it the selenium cell 32. Line 20, cancel the word: no, and after the word: communication, write: only, and after the word: with, write: one of the poles of. Line 23, after the word: wires, write:

39 (Fig. 1), some times connects only with 43 or 41, and some times remains in a neutral position. (1)

Line 26, cancel the number 50 and write 58.

Line 28, cancel the word: switch, and write:

switches 62 and. At the same line cancel the word: is, and write are. Line 29, cancel the words: that would normally, and after the word: between, write: bowl, and cancel the word: balls.

At the same line 29, after the number 57, write: but when the switch 62 is in a neutral position and 57 out of action the sparks - Line 30, after the

word: manner, add: in form of luminous efflu- vium. Line 33, cancel the word: light, and write: or actinic.

Page 6, line 1, after the letter B, write (Figure 1). Line 11, after the word: transmission, write: when are used electric waves of short length. Line 12, after the word: signals, write: or calling. Line 13, cancel the word: by, and write: with the.

At same line cancel the expressions: with wires 34, 35, until the word: described, and put in lieu: and 96-97 connect with 34-35 when one uses electric waves of short length. At same line, cancel the word: These, and write: Then these. Line 15, cancel the word: Hertzian, and write: electric, impulses. Line 17, after the number 35, add: connected now only with 96 by 69' and also with 97 only by

(1) Line 25, after the word: purpose, add: that is, without the lights, be- cause with the light, the appara- tus of the figure 2, constitutes the transmit- ter of my wireless tele- phone, as is said above.



64-61. Line 20, cancel the word: Batter, and write: Bat-
tery. Line 21, after the word: coherer, write: the wires
101, 102 and the bell rings, - At same line, after
the word: and, write: when one passes the swit-
ch 75 on the extremity of 103, to dischare the
coherer, the same current passes - Line 22, can-
cel the words: in the usual etc., until the words:
to dischare the coherer, inclusively. Line 23,
cancel the word: From, and write: Now from.
Line 31, after the number: 1, write: as is said.
Line 32, after the word: up, write: to 103. Line
33, after the word: register, write: at. Line 34, after
the word: connected, write: with the another receiver
at k, which coherer connects directly with the
antenna by means of the wires 98-99. Same
line cancel the words: to the etc., until the words:
switch 75 at page 7, line 1, and write: The receiver
existing in the iron box k is provided with relay,
dischurer, resistances and batteries. When this re-
ceiver works, must put out of action all de-
vices, of the variable receiver g. 99 connects only
with 97 and 105 does not connects with 96.

The bell, the dischurer N and the wires 96-97 are pro-
vided with suitable resistances yet not illustra-
ted on the diagram as they are devices well
known. Same times the two coils 56-68 take the
place of the bobines at 96 and 97 for reci-
ving; then the wire of 69, out of action as 57,
connects only with 96; 39 connects with 43; 35 with 38
and the switch 53, 62, 60 and 61 remain
in a neutral position (i) This two coils may be

(i) See that
I said on this
matter in
the correction
of the wiring
this telegraph

4)

because they, until at certain point through space, solicit, invite the discharges of the electric impulses to spring, from the outside to the crown of wires, ^{and} from this crown to the outside. The violet, ultra-violet or actinic rays have this same property.

Line 21, cancel the word: distinct, and write: sending. Same line, cancel the words: and accompanied etc., until the word: enter, and write: are solicited by - Line 22 cancel the words: Hertzian waves are received upon, and write: electric waves or impulses affect - Same page 5, line 24, cancel the words: The cathodic rays merely etc., until the word: application, at line 28. Line 33, cancel the words: because these etc., until the words: four years, at page 6, line 9, and write: as I said and as I have observed in my private experiments. Page 6 line 10, cancel the number 22. Line 11, cancel the word: and. Same line, after the number: 46, write: 38, 37, 25. Line 13, after the words: Figure 1, write: without the connection of 22 with the antenna. Line 17, cancel the words: A shunt etc., until the words: or not, The, at line 26, and write: Then the - Line 27 cancel the word: moves and write: passes. Same line, after the number 52, write: on the extremity of 53 Same line, after the word: to, write: discharge the coherer 50 and - Line 28, after the word: message, write: with the



number 66. Line 29, cancel the word: moves,
and write: closes. Same line, cancel the
word: 52, and write: 62. Same line cancel
the words: downward so as etc., until the
words: to battery, at line 32, and write: and
put out of action all devices of E. Line 33,
after the word: receiver, write: by a conti-
nous sound modified by the intermitting
electric impulsus from the sending station, he
presses strongly the contact 58 against 56 as
is said. Page 7, line 4, cancel the words: cohere
and. Same line cancel the words: in pa-
rallel, and write: inactive. Line 7, after the
number: 81, write: (Fig. 4). Line 5, after the
word: battery, write: For receiving with 66,
by means of a non-continuous note, it is
necessary to use a relay, or to ~~exchange~~
put 66 in the place of the Morse register,
connected by the wires 53 and 58. Line
17, cancel the words: This phonetic, etc.,
until the word: extent, at line 18, and write:
The induction coil of this phonetic receiver,
takes the place of the relay, when it
is used for purpose to emitting a conti-
nous sound, as is shown at E (Fig. 1).
Line 30, after the word: note, write: or
special conventionate modifications of the
intensity of the continuous sound.
Relatively to the harmonic receiver 66, I claim
only, the use of the two compounding pieces,
for producing sounds, for purpose to receive
by means of this sound, messages, as is explained