

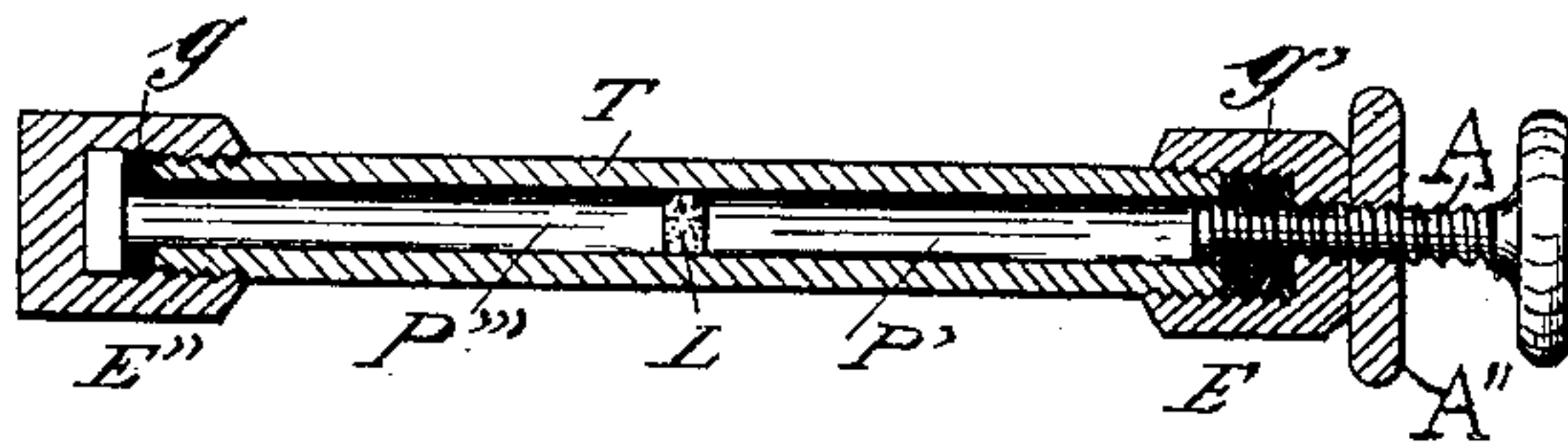
No. 665,957.

Patented Jan. 15, 1901.

E. DUCRETET.
RECEIVER FOR HERTZIAN ELECTRIC WAVES.

(Application filed May 22, 1899.)

(No Model.)



WITNESSES:
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UNITED STATES PATENT OFFICE.

EUGÈNE DUCRETET, OF PARIS, FRANCE.

RECEIVER FOR HERTZIAN ELECTRIC WAVES.

SPECIFICATION forming part of Letters Patent No. 665,957, dated January 15, 1901.

Application filed May 22, 1899. Serial No. 717,749. (No model.)

To all whom it may concern:

Be it known that I, EUGÈNE DUCRETET, a citizen of the Republic of France, residing at Paris, France, have invented certain new and
5 useful Improvements in Receivers of Hertzian Electric Waves, of which the following is a specification.

My present invention relates to receivers of Hertzian electric waves, the object being
10 to provide a device of this kind in which an improved Branly radioconductor is employed as the main part and adjustable rods fitted into the tube of the radioconductor, so that the empty spaces may be reduced to a minimum, the renewal of air being avoided by
15 suitable joints.

In order that this my invention may be the more readily understood and carried into effect or practice, reference is hereby made to
20 the accompanying drawing, in which the figure is a longitudinal sectional view of a receiver constructed in accordance with my invention.

Like letters refer to like parts in the drawing.
25

My improvements embody the Branly radioconductor as a main part and rods P' P'', fitted into the same, so as to fill up cylinder or tube T and reduce the inner empty space to a
30 minimum, the renewal of the inner air being avoided by guard-joints g g'. The ends of said tube T are externally threaded to receive internally-threaded caps E' E'', one of which is provided with a threaded opening, through
35 which works a screw A, suitably secured to the corresponding rod P'. A counter-nut or

equivalent A'' serves to lock said screw in position. The cylinder T may be made of any suitable insulating material; but I prefer to employ ivory for this purpose. To the above-named caps E E'' are attached the terminals
40 of the circuit respectively. In the space between the adjacent ends of the rods P' P'', I prefer to insert the powder of hard-tempered steel.
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It will be seen from the foregoing construction that the various parts of my improved receiver may be readily assembled. The striker may act directly on the tube or any intermediate part transmitting strokes
50 thereto.

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

In a receiver of electric waves, the combination with a tube made of a suitable non-conductor, of two rods inserted in said tube, hard-tempered steel powder inserted between the adjacent ends of said rods, screw-caps fitting the ends of said tube, means for adjusting
60 said rods consisting of a threaded screw passing through one of said caps, guard-joints between the outer ends of the rods and the walls of the caps and means for locking said screw in position, as set forth.
65

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

EUGÈNE DUCRETET.

Witnesses:

EDWARD P. MACLEAN,
GEORGE E. LIGHT.