

N<sup>o</sup> 411



A.D. 1901

Date of Application, 7th Jan., 1901

Complete Specification Left, 6th Nov., 1901—Accepted, 7th Dec., 1901

PROVISIONAL SPECIFICATION.

“Improvements in Apparatus for Wireless Telegraphy.”

We, GUGLIELMO MARCONI, Electrician, and MARCONI'S WIRELESS TELEGRAPH COMPANY, LIMITED, both of 18 Finch Lane, in the City of London, do hereby declare the nature of this invention to be as follows:—

The object of this invention is to increase the practicability and efficiency of apparatus hitherto employed.

In the Specification of a former Patent No. 12039 of 1896 a transmitter is described which consists of an induction coil or transformer of which one end of the secondary circuit is connected to one terminal of a spark gap, and to an elevated insulated conductor, the other end of the secondary being connected to the other terminal of the spark gap and to earth or other suitable capacity.

It is found that should the insulation of the elevated conductor become faulty in consequence of defective insulators or from other causes it is difficult when transmitting to obtain the spark which is necessary for the transmission of signals.

It is found that this difficulty is obviated by inserting a condenser between the end of the elevated conductor and the terminal of the sparking appliance.

Dated this 7th day of January 1901.

G. MARCONI

MARCONI'S WIRELESS TELEGRAPH COMPANY LIMITED

By HENRY W. ALLEN,

Secretary,

HENRY S. SAUNDERS,

S. FLOOD PAGE.

Directors.

COMPLETE SPECIFICATION.

“Improvements in Apparatus for Wireless Telegraphy.”

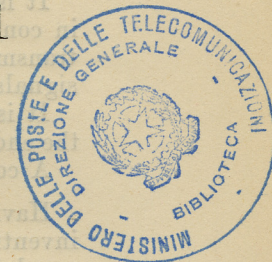
We, GUGLIELMO MARCONI, Electrician, and MARCONI'S WIRELESS TELEGRAPH COMPANY, LIMITED, both of 18 Finch Lane, in the City of London, do hereby declare the nature of this invention and in what manner the same is to be performed to be particularly described and ascertained in and by the following statement.

The object of this invention is to increase the practicability and efficiency of apparatus hitherto employed.

In the Specification of a former Patent No. 12039 of 1896 a transmitter is described which consists of an induction coil or transformer of which one end of the secondary circuit is connected to one terminal of a spark gap, and to an elevated insulated conductor, the other end of the secondary being connected to the other terminal of the spark gap and to earth or other suitable capacity.

[Price 8d.]

PRICE 6d.



NSI 10772



*Improvements in Apparatus for Wireless Telegraphy.*

It is found that should the insulation of the elevated conductor become faulty in consequence of defective insulators or from other causes it is difficult when transmitting to obtain the spark which is necessary for the transmission of signals.

It is found that this difficulty is obviated by inserting a condenser *a* between 5 the end of the elevated conductor *b* and the terminal *c* of the sparking appliance.

A condenser having a capacity of  $\frac{1}{100}$ th of a microfarad is usually suitable.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what 10 we claim is:—

1. Inserting a condenser between the end of the elevated conductor and the terminal of the sparking appliance substantially as described.
2. Apparatus for wireless telegraphy substantially as described and illustrated in the drawing.

Dated this 5th day of November 1901.

G. MARCONI

MARCONI'S WIRELESS TELEGRAPH COMPANY LIMITED

S. FLOOD PAGE.

HENRY S. SAUNDERS,

Directors.

HENRY W. ALLEN,

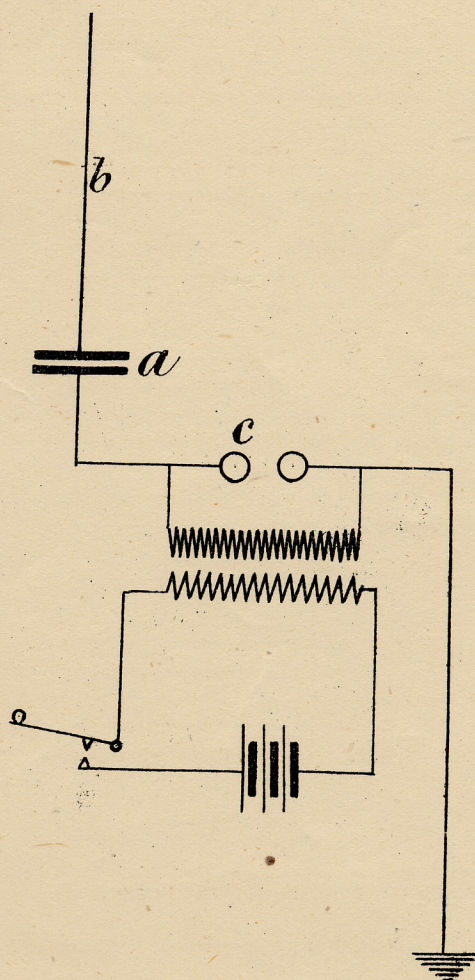
Secretary.

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[G. 6784—125—9/1902.]



(2<sup>nd</sup> Edition)



[This Drawing is a full-size reproduction of the Original.]