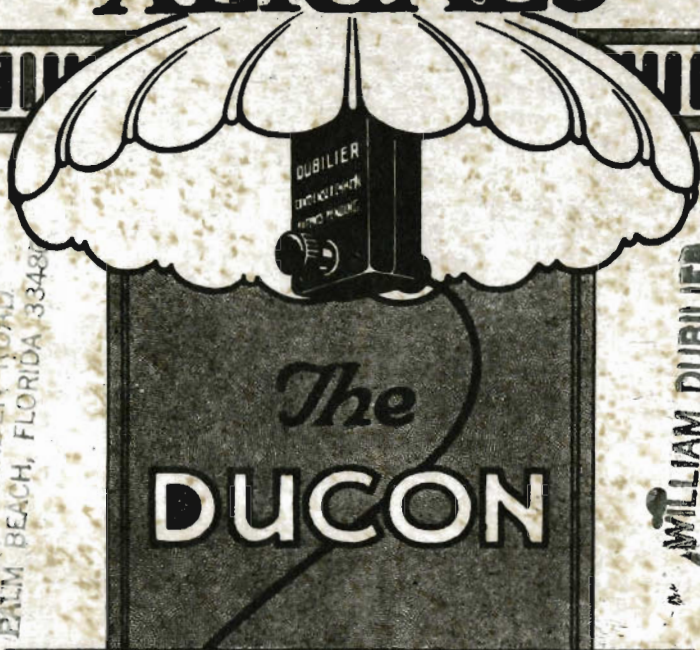


# WIRELESS WITHOUT AERIALS

WILLIAM DUBILIER  
335 GARDEN ROAD  
PALM BEACH, FLORIDA 33480



WILLIAM DUBILIER  
339 GARDEN ROAD  
PALM BEACH, FLORIDA 33480

*The*  
**DUCON**

**The DUBILIER  
CONDENSER COMPANY (1921) LIMITED,**

**Ducon Works, Goldhawk Road,  
Shepherd's Bush, London, W.12.**

Telephone—HAMMERSMITH 1084.  
Telegrams—"HIVOLTCON, PHONE, LONDON."



THE "DUCON" is a simple piece of apparatus, which enables those having electric light, to secure the wireless broadcasting without using an aerial. Plug the "Ducon" into an ordinary lampholder or wall socket, connect the terminals at the lower end of the "Ducon" by one of the methods shown in the accompanying diagrams to your receiving set. Adjust your instrument in the usual manner, and you can receive the broadcasting perfectly. The "Ducon" should be tried each way round in the lampholder for each of the arrangements. One side of the "Ducon" is indicated by a red spot. Using this as an index, the various alternative connections should be tried in the definite sequence shown in the diagram.

For those having electric light, the "Ducon" is the solution of the aerial problem. Your electric light catches the wireless in exactly the same way as an aerial. The "Ducon" supplies the needs of the flat-dweller and permits him to instal a wireless reception set.

EXTRACT FROM "THE TIMES," DECEMBER 5TH, 1922.

*"The only practical objection to permitting flat-dwellers to instal wireless reception sets was that if outside aeriels, attached to the building, were used by a large number of amateurs in one block, the effect would be unsightly, but outside aeriels were no longer necessary for the purpose of receiving the broadcast programmes . . ."*

Flat dwellers who are either prohibited from erecting an aerial, or are unable to do so, have the alternatives of a frame aerial or a "Ducon."

The "Ducon" is far better than the frame aerial, it possesses all the advantages of the latter and allows you to use your reception set in any room you please.

In cases where an external aerial has already been erected, the results from it may be improved by connecting the "Ducon" to the wireless receiver by one of the methods shown, and retaining your aerial connections as before.

The "Ducon" is a neat, compact, well-finished article. It is perfectly safe to use, each one being tested to 2,500 volts. It consumes no current and does not affect the electric light in any way.

The "Ducon" can be used either in a lampholder or wall socket.

For single lampholder or for wall sockets your dealer can supply a suitable adapter.

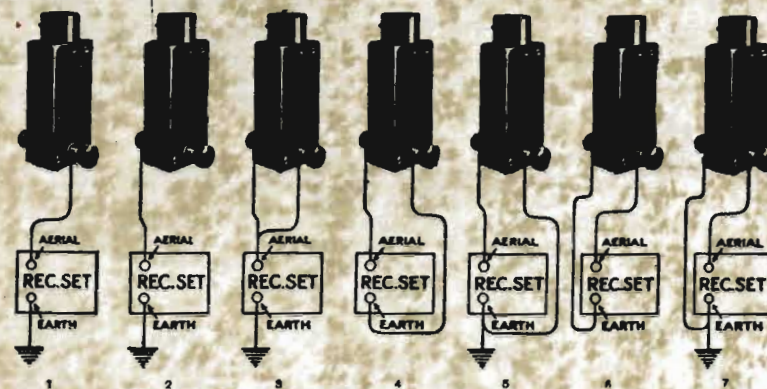
The "Ducon" can be used with all types of wireless receivers.

**Price 10/- each.**

OVER 50,000 IN USE.

**GUARANTEE.**—The "Ducon" is guaranteed against any defect in material and workmanship. If for any reason the "Ducon" does not function to the satisfaction of the Purchaser it may be returned to us, through the dealer, within thirty days, postage prepaid, and the purchase price will be refunded.

THE DEBILLET CONDENSER COMPANY (1921) LTD., Ducor Works, Goldhawk Rd., London, W.12



Try the methods in the following sequence. The correct method is that in which the set is quiet and tunes in normally.

1. (a) Connect terminal, *black* spot side of "Ducon," to aerial terminal of wireless set, and earth terminal to earth lead.  
(b) As 1 (a) but with "Ducon" opposite way round in lampholder.
2. (a) Connect terminal, *red* spot side of "Ducon" to aerial terminal of wireless set, and earth terminal to earth lead.  
(b) As 2 (a) but with "Ducon" opposite way round in lampholder.
3. (a) Connect *both* terminals of "Ducon" to aerial terminal of wireless set, and earth terminal to earth lead.  
(b) As 3 (a) but with "Ducon" opposite way round in lampholder.
4. (a) Connect terminal, *black* spot side of "Ducon," to aerial terminal of wireless receiver, other "Ducon" terminal to earth terminal of receiver.  
(b) As 4 (a) but with "Ducon" opposite way round in lampholder.
5. (a) Connect as 4 (a) but also connect earth terminal of receiver to earth lead.  
(b) As 5 (a) but with "Ducon" opposite way round in lampholder.
6. (a) Connect terminal, *red* spot side of "Ducon," to aerial terminal of wireless receiver, other "Ducon" terminal to earth terminal of receiver.  
(b) As 6 (a) but with "Ducon" opposite way round in lampholder.
7. (a) Connect as 6 (a) but also connect earth terminal of receiver to earth lead.  
(b) As 7 (a) but with "Ducon" opposite way round in lampholder.

As an alternative to the ordinary earth connection, an insulated wire round the room will sometimes give better results.

# DUBILIER

## CONDENSERS

No radio set is complete without Dubilier Condensers. The patented methods employed in the manufacture of Dubilier Condensers are such as enable the most efficient condensers, having the lowest possible losses, to be produced to meet all requirements.

If you are interested in any of the following types of condensers, please ask for the corresponding descriptive leaflet, the list number of which is indicated in each case.

### CONDENSERS FOR RADIO RECEIVERS

Dubilier Type 600 Condensers with Grid Leak, in any capacity up to 0.0005 microfarad, with Grid Leaks from 1 to 5 megohms. *See List A.2.*

Dubilier Type 600 or Type 600A Condensers for Telephone Bypass or Amplifier Condensers, etc., in any capacity up to 0.005 microfarad. *See Lists A.2 and A.3.*

Dubilier Type 577 Condensers for Bypass Condensers, etc., in any capacity up to 0.01 microfarad. *See List A.1.*

Dubilier "Vanicon" Variable Air Condensers in three styles, for panel mounting or for Laboratory uses, with maximum capacities of 0.0005 or 0.001 microfarad. *See List A.5.*

The "Ducon" Attachment for enabling the electric lighting wires to be used as receiving aerials. *See List A.4.*

### CONDENSERS FOR AMATEUR RADIO TRANSMITTERS

Type 577 Condensers for use in any circuit up to 1,000 volts and for carrying C.W. currents up to 1 ampere. In any capacity up to 0.01 microfarad. *See List A.1.*

Smoothing Condensers.—Type 577 for voltages up to 2,000. *See List A.1.* For larger sizes and for higher voltages, *see List S.1.*

### FOR COMMERCIAL RADIO TRANSMITTERS

Standardised high-voltage condenser units in metal cases for use on spark or C.W. circuits. *See List C.P.1.*

Smoothing Condensers for smoothing rectified A.C. in all sizes and for all voltages. *See List S.1.*

Condensers for High Power C.W. Transmitting stations. Particulars on application.

### CONDENSERS FOR LABORATORY STANDARDS

Multiple Condensers with dial switches or plugs; also separate units. *See List S.C.1.*

### CONDENSERS FOR POWER LINE PROTECTION

For the protection of overhead electric power lines, underground cables and all electrical machinery against the destructive effects of lightning and surges. *See List P.L.1.*

## The Dubilier Condenser Company (1921) Limited

DUCON WORKS, GOLDHAWK ROAD  
SHEPHERD'S BUSH, LONDON, W. 12

Telephone—HAMMERSMITH 1084.

Telegrams—"HIVOLTCON, PHONE, LONDON."

### FOREIGN LICENCEES AND AGENTS:

The Dubilier Condenser & Radio Corporation, New York.

The Canadian General Electric Co., Toronto.

Gesellschaft für Drahtlose Telegraphie (Telefunken), Berlin.

G. Capart, 189, Rue St. Honoré, Paris.

G. Santarelli, 16, Viale Amedeo, Florence.

U. Salchow, 12, Alstromergatan, Stockholm.

E. F. Ablitt, Queensland Building, 84-88, William St., Melbourne.