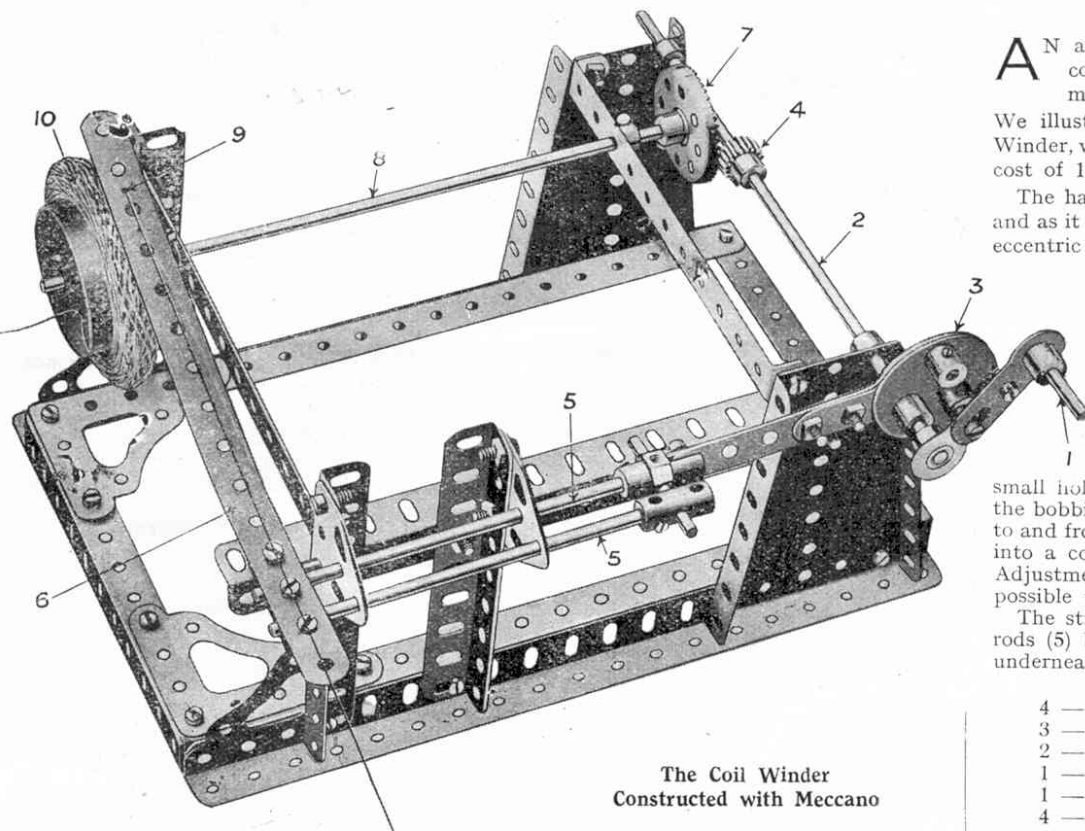


The Meccano Coil Winder



The Coil Winder
Constructed with Meccano

AN apparatus that will wind honey-comb coils for receiving sets may be constructed with Meccano.

We illustrate herewith the Meccano Coil Winder, which may be made at a total cost of 10/6, as follows:—

The handle (1) is formed of two cranks, and as it is turned, the rod (2) carrying the eccentric (3) reciprocates, the rods (5) carrying the strip (6). A pinion (4) on the rod (2) engages and drives a contrate wheel (7) on the rod (5) on the other end of which is fixed any suitable bobbin or former for the coil of wire. The wire to be coiled is passed through a specially drilled small hole (9) in the strip (6), and while the bobbin is being rotated the strip slides to and fro and causes the wire to be wound into a coil (10) of honey-comb formation. Adjustment of the eccentric (3) makes possible variations in the windings.

The strip (6) is held in position on the rods (5) by a clamp action of a 1 1/2 inch strip underneath.

PARTS REQUIRED.

4 — 9 1/2" girders	(8a)
3 — 4 1/2" "	(9a)
2 — sector plates	(54)
1 — 7 1/2" strip	(1b)
1 — 2 1/2" "	(5)
4 — architraves	(108)
1 — 1 1/2" strip	(6a)
2 — flat trunnions	(126a)
1 — eccentric	(130)
2 — 5 1/2" x 1/2" double angle strips	(9)
2 — 5 1/2" girders	(19)
2 — cranks	(28)
1 — 1 1/2" contrate wheel	(24)
1 — bush wheel	(26)
1 — 1/2" pinion	(13a)
2 — 8" rods	(15a)
2 — 4 1/2" "	(17)
1 — 2" rod	(18b)
1 — 1" "	(63a)
1 — octagonal coupling	(63)
1 — coupling	(59)
3 — collars	(37)
34 — nuts and bolts	(38)
2 — washers	



James A. Lamb (Selby).—The question of the introduction of a Meccano valve set is at the moment in abeyance.

R. Kirkwood (Darlington).—(1) As you are approximately 30 miles from Newcastle and situated in an ideal position you will probably be able to receive broadcast with a Meccano Crystal Receiver. I know of instances in which telephony is regularly received with our Crystal Set up to distances of 33 miles. (2) Your best plan will be to erect your aerial on the top of the house at the height you mention.

R. Smith (Wool).—Unfortunately you are too far from London to receive messages broadcast from Marconi House. If you acquire a knowledge of the Morse code you will be able to spend many happy hours receiving telegraphic messages transmitted from ships in the English Channel. The subscription to the "M.M." enclosed with your letter, has been passed to the Editor.

H. A. Hall (Cape Town).—I am glad to know that you have not entirely forgotten me. The Radio Instruction Leaflet may be obtained from Mr. A. E. Harris, P.O. Box 1199, Johannesburg, and I advise you to write for a copy.

H. G. T. Harris (Sandy).—The variometer you illustrate and describe is already well known, and I have no doubt that in actual practice it is a very excellent instrument. Your order for the "M.M." has been passed to the Editor.

Peter Cecil Previte (Turvey).—Before you can obtain an experimental licence it will be necessary for you to write the Postmaster General for an application form, which must be filled in and approved before such a licence is granted. It is hoped that a new licence will shortly be issued for those who desire to construct their own receivers.

P. Parrett (Brighton).—You will not be able to receive at Brighton broadcast from Marconi House with a crystal receiver.



The Marconi Company and its associated companies are to spend about £6,000,000 in erecting wireless stations at home and abroad. The greater part of the material will be supplied from Great Britain.

It is rumoured that stations for the relay of broadcasting will shortly be established in several large towns throughout the country.

Recent statistics show that about 1,500,000 radio sets are being regularly used in the United States of America.

In one of the big London hotels, the page-boy's duty of calling out the names of guests for whom enquiries are made, is now performed by loud-speakers installed in each room. The name required is transmitted from the hotel enquiry office, constituting a decided improvement on the old method.

An interesting experiment is being carried out in Paris, where lectures given at the College de France are to be broadcast. It is hoped in the future to broadcast courses on technical and specialised subjects, but at first the lectures will be confined to topics of general interest.

Build your own Radio Receiver

In a recent issue of the "M.M." we gave full particulars for building a Radio Receiver from Meccano parts. These instructions may now be obtained in the form of a beautifully illustrated leaflet, printed on art paper (price 4d., post free).

In addition to Meccano parts being of service for the construction of a complete Crystal Receiving Set, they are of particular use for experimenting in Radio. Their standardisation and universal adaptability enable new circuits to be tried out, and changes to be quickly made.

If you are building a Radio Receiver or experimenting in any way, you will find these special Meccano Radio parts of great assistance. Send for a full list, which will be mailed post free on application.