

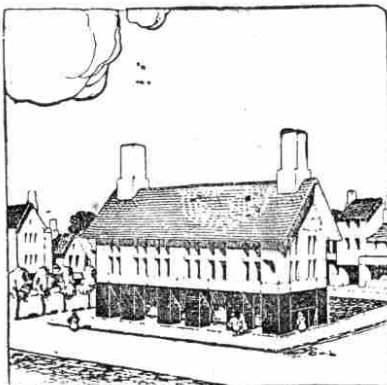
# LOTT'S TOY BRICKS

## OF ARTIFICIAL STONE

DESIGNED THROUGHOUT BY

AN EMINENT ARCHITECT

More popular every year. Real miniature stone bricks for building real miniature Houses, Castles, Towers, Bridges, etc. Other models readily devised. Provides endless entertainment for young and old. Each box complete with plans, bricks, roofs, etc., etc.



Market Hall, Boxes 1 and 2 or 3 Series "B." Example after the Market Hall at Ross, Herefordshire.

### PRICES AND CONTENTS OF BOXES

SERIES "B," COMPOSITE SETS. COMPLETE WITH PLANS, BRICKS, ROOFS, FENCES, TREES, Etc.

- Box A. Bungalow, Lych Gate, Barn, Bridge, Shelter, Pavilion ... 5/-
- " B. Chalet, Market Cross, Hall, Gatehouse, Belfry, Factory 5/6
- " 1. All above Models and Pair of Cottages, Garage, House, Tower, Chapel, Bridge 10/-
- " 2. "Daily Mail" £500 Prize House, Cottages, Tower, Parish Hall, Garage, Library, and 12 other Designs 10/6

#### NOT COMPOSITE.

- " 3. The whole of above Designs and six additional Buildings twice the size, as Market Hall, Country House, Abbey Church, Parish Church, Bridge. 49 Models in all 17/6
- " 6. All Models stated above. Many larger and more important Buildings. 71 Models in all 35/-

#### TUDOR BLOCKS

- Box 1. 6 Models 3/3 Box 2. 12 Models 7/6

#### GARDEN SETS

- Small Size ... 4/- Larger Size ... 6/-

HAVE YOU ENTERED FOR OUR PRIZE COMPETITION?

See December Issue "Meccano Magazine"

Write for List

**Lott's Bricks Ltd.**  
WATFORD ENGLAND

## New Meccano Parts

We have pleasure in announcing that the following new Meccano parts are now available:—

- No. 118 Large wheel hub, 5½" each 1/-
- No. 119 " " segment " 4d.

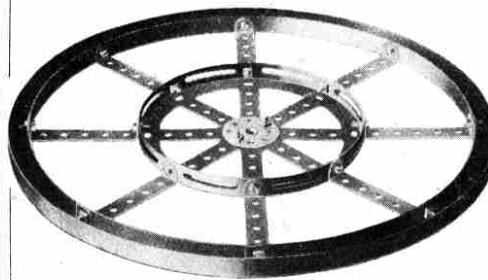


No. 118



No. 119

The above parts are useful for building up large wheels, such as are used in models of beam engines, horizontal engines, etc. One method of using these parts is shown in the accompanying illustration. Eight of No. 119 are required to make a circle of 11½" diameter.



Example of how the new Meccano parts, Nos. 118 and 119, may be used.

## Do Your Friends a Good Turn

THOSE of our readers who are able to do so, may help us very considerably in obtaining new subscribers, by telling their friends about the "M.M." There must be over a million Meccano boys in this country, and yet only about one in twenty of this number takes the "M.M." regularly. I want everyone of these boys to share in the pleasures of the *Meccano Magazine*.

Our circulation is growing steadily, but we wish to see it grow even more rapidly, so that we shall be able to still further increase the size of the "M.M." Then we shall be able to print more and more of those hundreds of interesting subjects, for which competitors in our recent competition have made definite requests.

If every reader of the "M.M." obtains only one new subscriber we shall double our circulation. Now, boys, will you try and find at least one new subscriber and so help me to make the "M.M." even better, bigger, and brighter than it is at present?

If you know of a Meccano boy who is not a regular reader of the "M.M." and will send me his name and address, together with 3d. in stamps, I will see that he has a copy of the next issue mailed to him.

*The Editor*



**J. Knight** (Croydon).—The Meccano Receiving Set No. 1 will receive messages on wave-lengths up to 1,000 metres. All the British broadcasting stations at present operating transmit on wave-lengths varying between 300 and 500 metres.

**W. Jones** (Carnarvon).—Telegraphy may be received with a Crystal Set up to distances of 100 miles. If you acquire a knowledge of the Morse code you will be able to spend many happy hours listening-in.

**R. Williamson** (Bradford).—Under ideal conditions telephony may be received with a Crystal Receiver up to a greater distance than that generally recognised (i.e., 20-25 miles). Broadcast from London has been received at Bridlington and Liverpool on Crystal Sets, while a Meccano Set regularly receives broadcast at 33 miles from Manchester.

**J. McDonald** (Manchester).—You could not ordinarily receive telephony from Paris with a Crystal Receiver. In order to do this it would be necessary for you to employ a valve set.

**John Whitaker** (Stratford-on-Avon).—(1) Ebonite is a compound of sulphur and rubber. (2) Some telephone receivers are known as the "watch" type simply because of a similarity in shape.

**W. Robinson** (Norwich).—The nearest broadcasting station to Norwich is Marconi House, London, which is outside the range of a Crystal Receiver.

**W. Maddock** (Chester).—Audio frequency is the term used for oscillations which are within the range of the human ear. Many thanks for your good wishes.

**J. Robinson** (London).—A crystal allows the passage of currents in one direction only. Several substances such as galena, silicon, and carborundum have this property. I am glad to know that you are deriving so much pleasure from your Meccano Receiver.

**F. Wilkins** (Peterborough).—An earth switch connects the aerial to earth when not in use. This is a precautionary measure which obviates any possible trouble from lightning.

**R. Leech** (York).—(1) There is no danger from burn or electrical shock to any person operating a Crystal Receiver. (2) I am afraid you are too far from the nearest broadcasting station to receive telephony with a Crystal Receiver.

**E. Williamson** (Ainsdale).—I am glad to know that your Meccano Receiver has been such a boon to you in helping to pass away the long hours of your convalescence. The constructing of the No. 2 Set will lend an added interest to the hobby and you will obtain even greater enjoyment from this set, the result of your own handiwork, than from your existing set.

**R. Arnold** (New Zealand).—Our agents for New Zealand (Messrs. Browning & Iwersen, Ltd., P.O. Box 129, Auckland) will always be happy to help you, should you experience any difficulty in assembling your Radio Set.

**H. C. Key** (Calcutta).—I was very interested to hear of the Radio experiments recently carried out at your camp. Any further news in this connection will be much appreciated.

**D. Parker** (Newport).—(1) The terminal you require is the Meccano terminal (No. 306) and it is featured in the Radio parts list in your instruction leaflet. (2) The usual price of a 20 ft. aerial pole is from 7/6 to 10/-. This may be purchased from any timber yard in your town.

**Joan Biggs** (Bridgend).—(1) The "Ducon Plug" is no doubt a very efficient instrument when used with a valve set, but it cannot be used with a Crystal Receiver. (2) Providing you obtain the necessary permission from your landlord I cannot see what an Insurance Co. has to do with the erection of your proposed aerial.

**M. Smith** (Sharrow).—I am sorry to say that the instructions you require for building a two valve set would take up too much space at present. Numerous text books are published giving the information you require. I am glad to know that the series of articles entitled "The Men Who Gave Us Radio" has given you such enjoyment.

**H. Atkins** (Leatherhead).—I have examined your proposed circuit but I do not think that it will function, owing to the fact that it is always open, the interrupter being off the contact.

**J. P. Cronin** (Tralee).—I am glad to know you are such a radio enthusiast. From what I hear you will be able to enjoy the pleasure of listening-in before long just as do we in England.

**John Gillam** (London S.E.).—I am afraid your No. 2 circuit is not an improvement on your No. 1. For instance there is no need for a secondary coil with a variometer because the inner coil of the variometer serves as a secondary. Also you can dispense with the variable condenser as you will find that the tuning with the variometer is sufficiently sensitive and in fact preferable to the slider tuning.