

# MECCANO

 $\frac{\text{TRADE MARKS 296321, 501113, 76, 12633, 10274, 55/13476, 569/13, 884/25, 2913, 80, 124, 336, 4174, 91637, 83171, 157149, 32822, 200639, 209733, 214061, 214062, 12892, 29094, 33316, 1818, 16737, 383/13, 5848, 50204, 10/12258, 22826, 18982, 20063/925, 9048, 5549, 2189, 16900, 72286, 2389, 41812, 5403, 7315, 18066, 139420, 494933-4-5-6, 29041, 26877, 6595, 404718}$ 

HORNBY'S ORIGINAL SYSTEM-FIRST PATENTED 1901

## INSTRUCTIONS

FOR OUTFIT

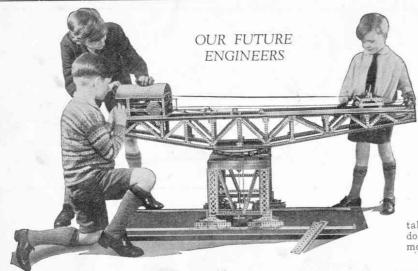
No. 00



Copyright by Meccano Limited, Liverpool, England, throughout the world

No. 30.00

CANADIAN EDITION



## A TALK WITH NEW MECCANO BOYS

The Meccano No. 00 Outfit is the first step in the Meccano system. After you have made all the models shown in this Manual you will want to build bigger models and you may do this by adding new parts to your Outfit or, by purchasing a No. 00A Accessory Outfit, you may convert your No. 00 into a No. 0. You will then be able to build many more models, including larger and better Cranes, Bridges, Wagons, Trucks, Windmills, etc.

#### HOW TO BUILD WITH MECCANO

First build the models exactly as they are illustrated in the Manual, and then take each model and try to improve on our design. Every one can be made in a dozen different ways. Screw up all the nuts and bolts tightly to ensure that your models will be strong and firm when they are completed.

#### MECCANO ACCESSORY OUTFITS

It is important to remember that each Outfit may be converted into the one next higher by means of an Accessory Outfit. Your No. 00 Outfit is converted into a No. 0 by adding to it a No. 00A. A No. 0A will then convert it into a No. 1 and so on. As you progress in Meccano you obtain a greater variety of perfectly-made engineering parts—Gear Wheels, Pulley Wheels, Worm Wheels, Couplings, Cranks, and many others. These enable you to construct complicated mechanical movements without any difficulty. The most wonderful feature about Meccano is that it is real engineering: it is a fascinating and delightful hobby, and yet so simple that even an inexperienced boy may join in the fun without first having to study or learn anything.

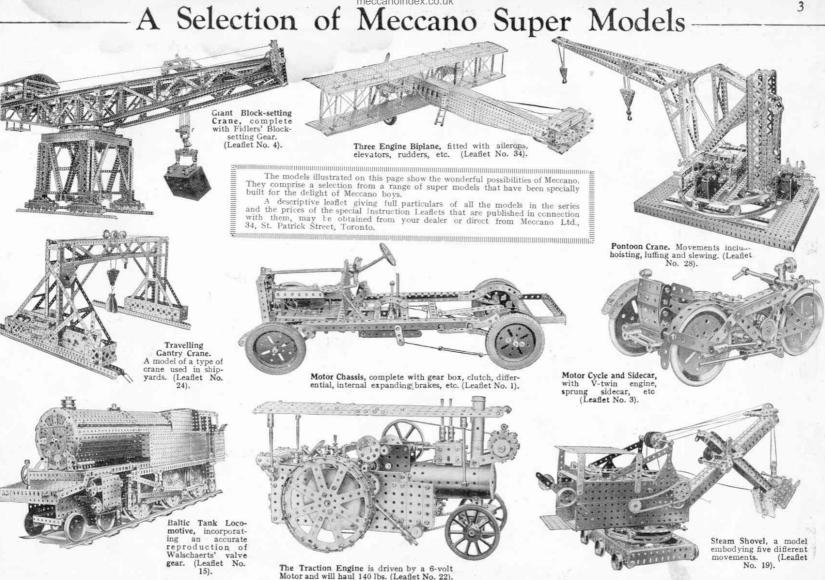
#### THE LIFE OF A MECCANO BOY

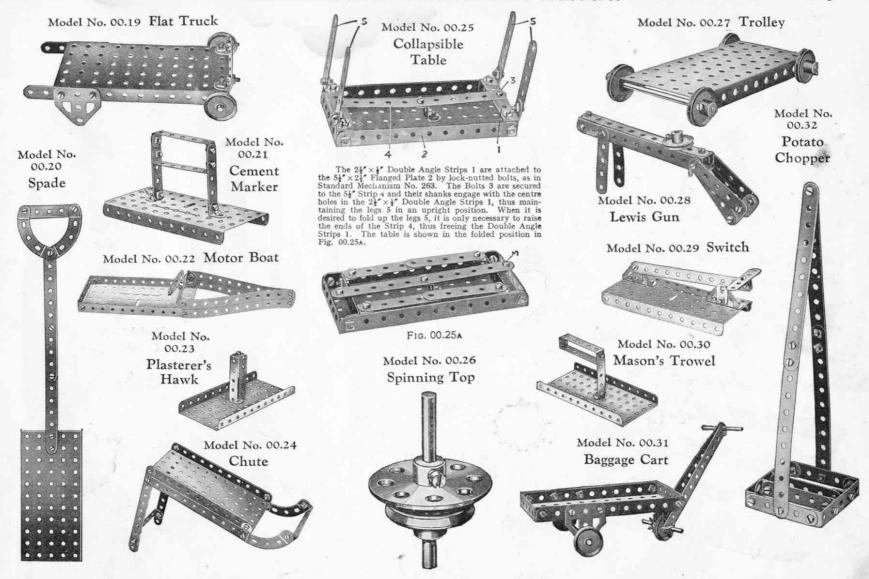
A Meccano boy is the happiest boy in the world. He builds models from the Meccano Instruction books; invents new models; enters the Competitions which are always being held in connection with the hobby; joins the Meccano Guild and a Meccano Club and by wearing the Guild badge proclaims himself to be the friend of millions of other Meccano boys all over the world. Time never hangs heavily on his hands and he is too busy and too happy to grumble. He reads the "Meccano Magazine" regularly and corresponds with his friend the Editor when he feels like it. For full particulars of the "Meccano Magazine" and subscription rates, see page 19.

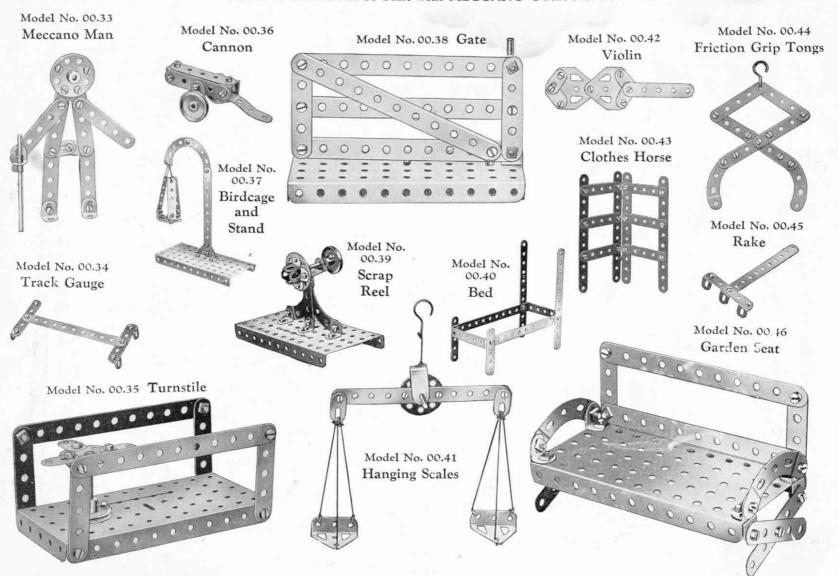
#### MECCANO SERVICE

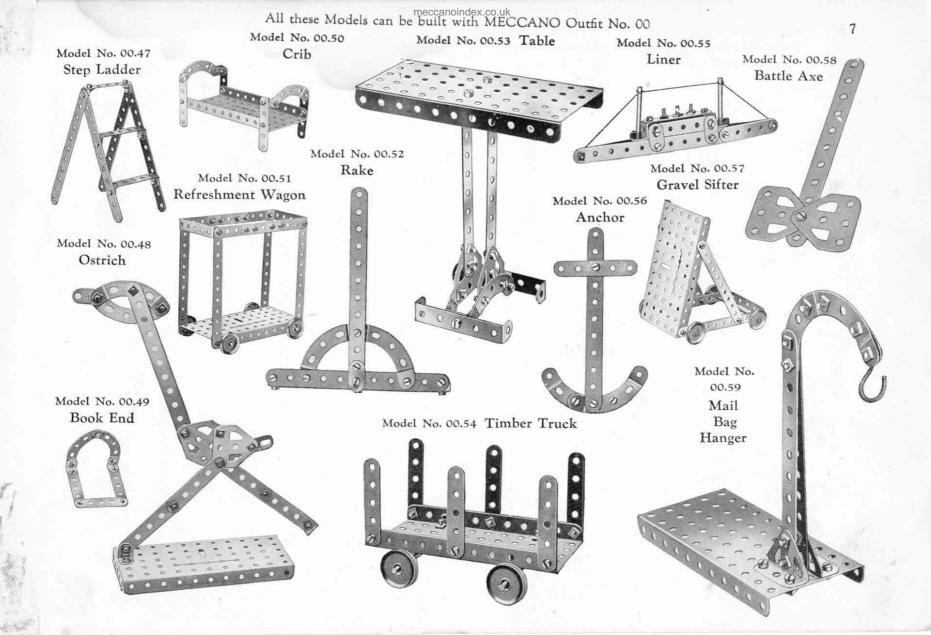
The service of Meccano does not end with selling an Outfit and an Instruction Manual. When you want to know something more about engineering than is now shown in our books, or when you strike a tough problem of any kind, write to us. We receive over 200 letters from boys every day all the year round. Some write to us because they are in difficulty, others because they want advice on their work or pleasures, or about their choice of a career. Others, again, write to us just because they like to do so and we are glad to know that they regard us as their friends.

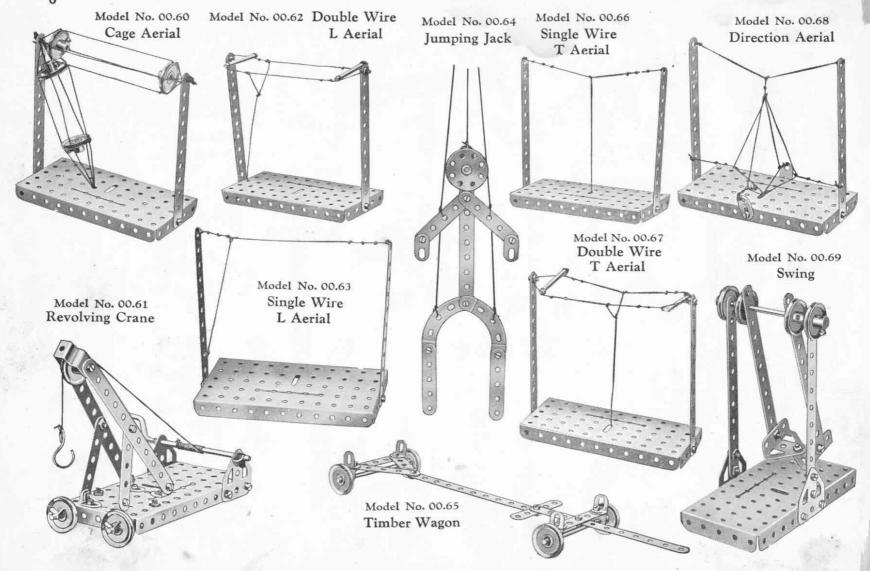
Although all kinds of queries are put to us on all manner of subjects, the main interest is, of course, engineering. No one has such a wonderful knowledge of engineering matters as that possessed by our staff of experts. This vast store of knowledge, gained only by hard-earned experience, is at your service.

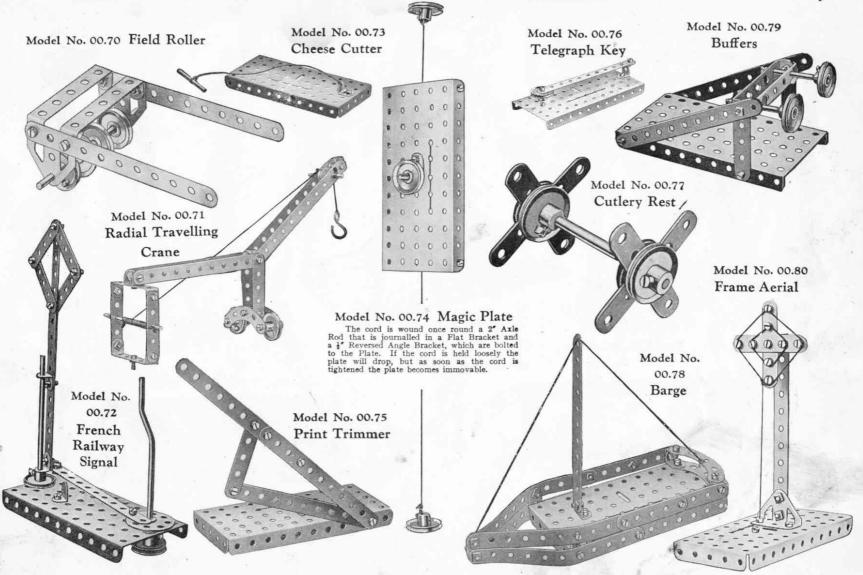


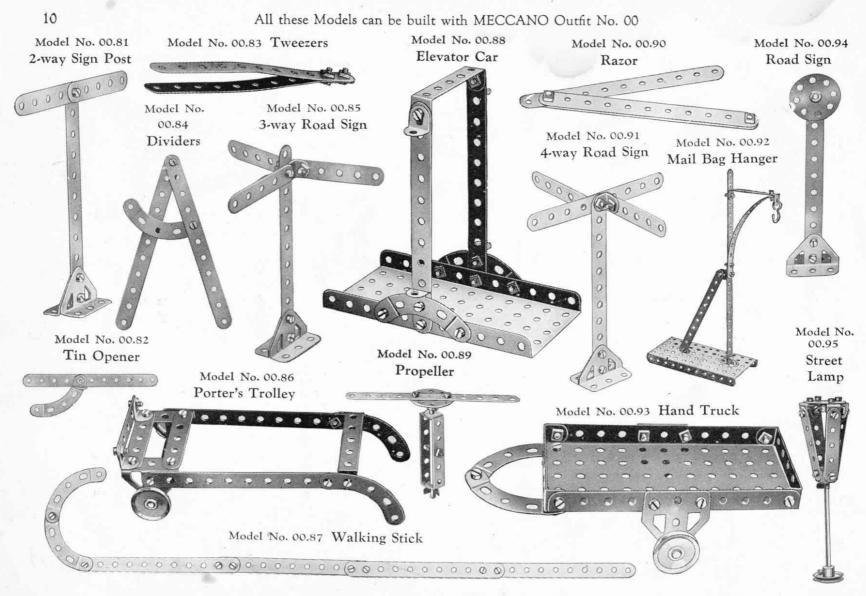


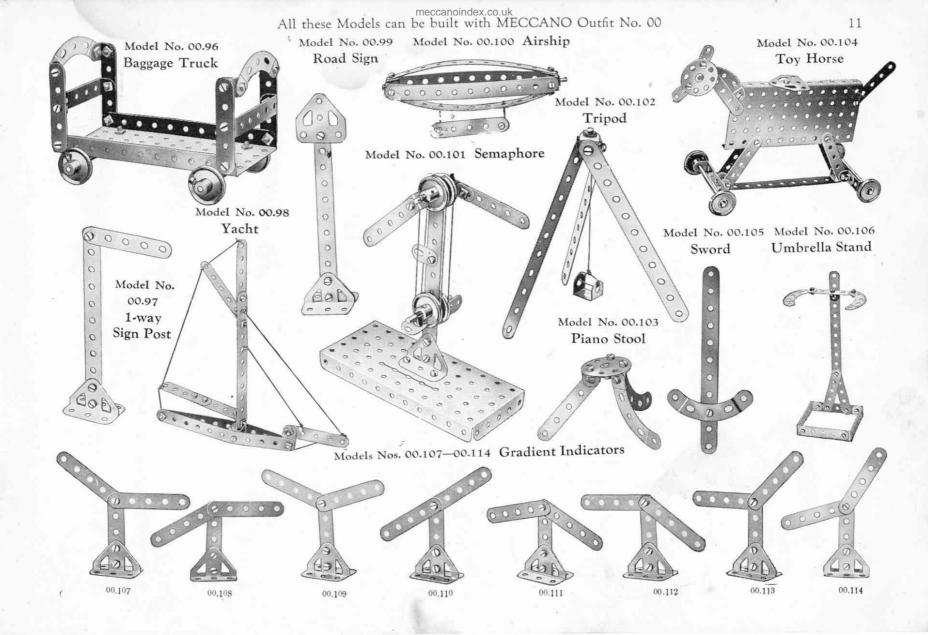


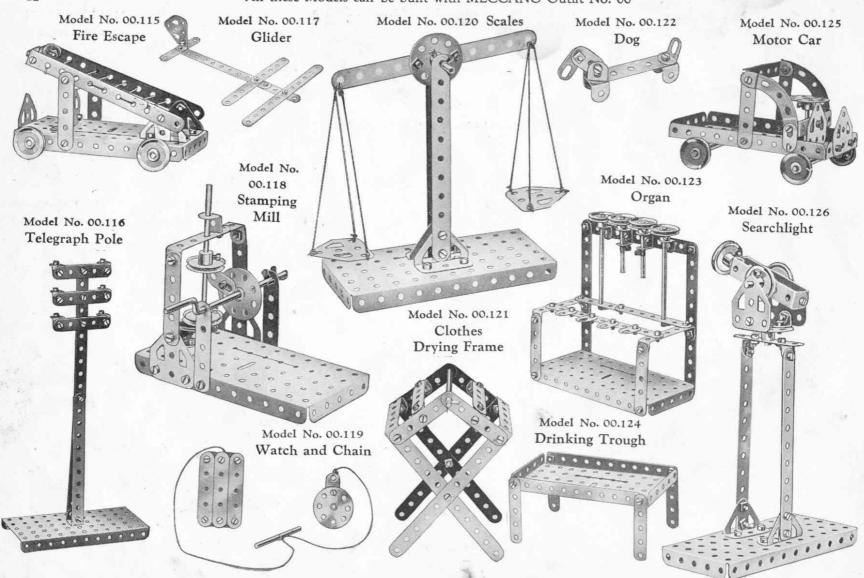


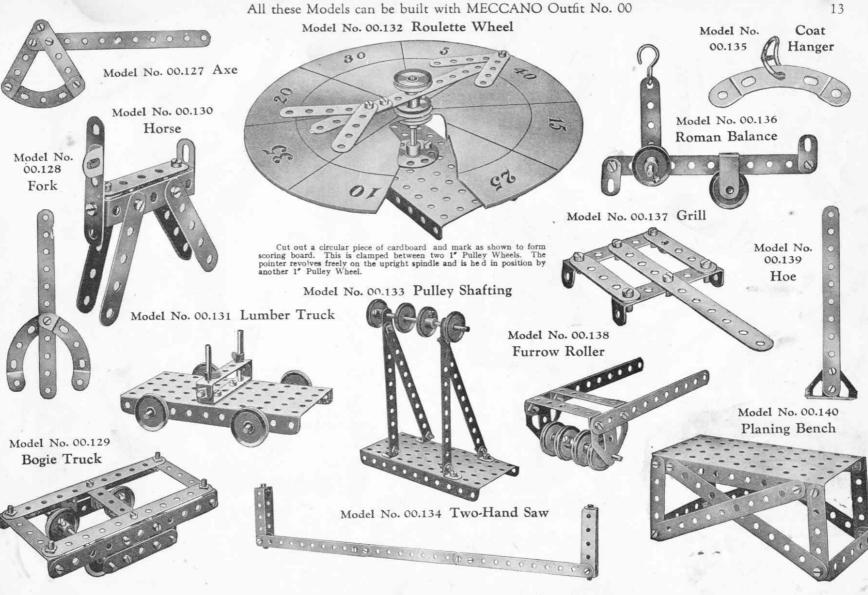




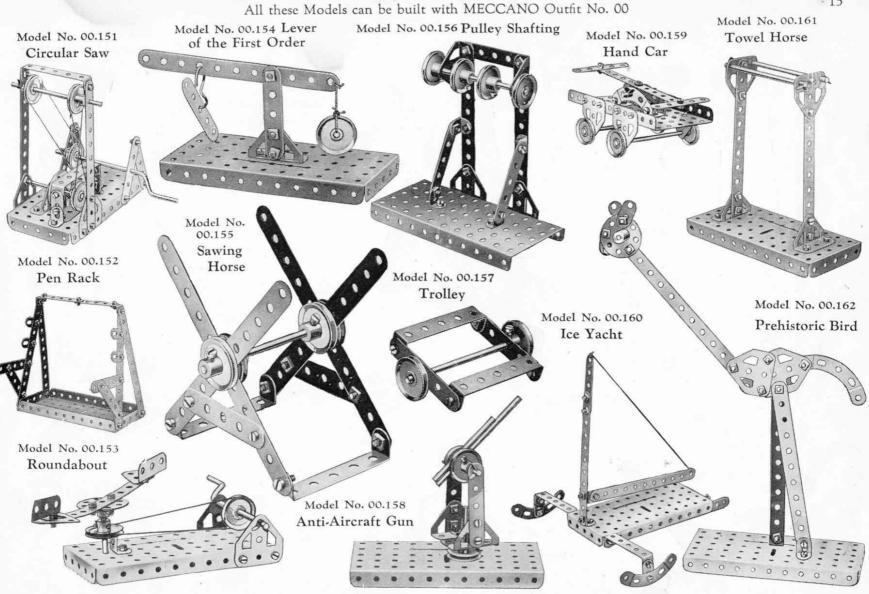


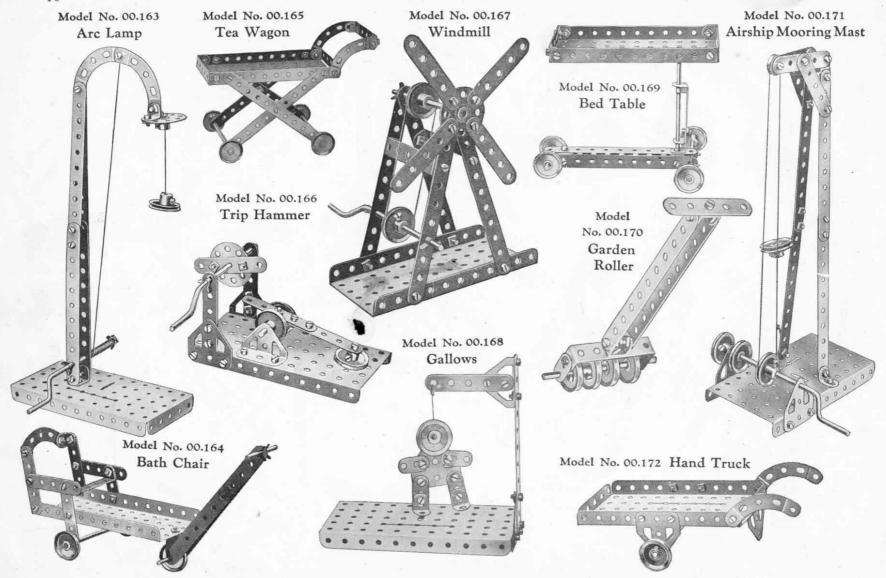


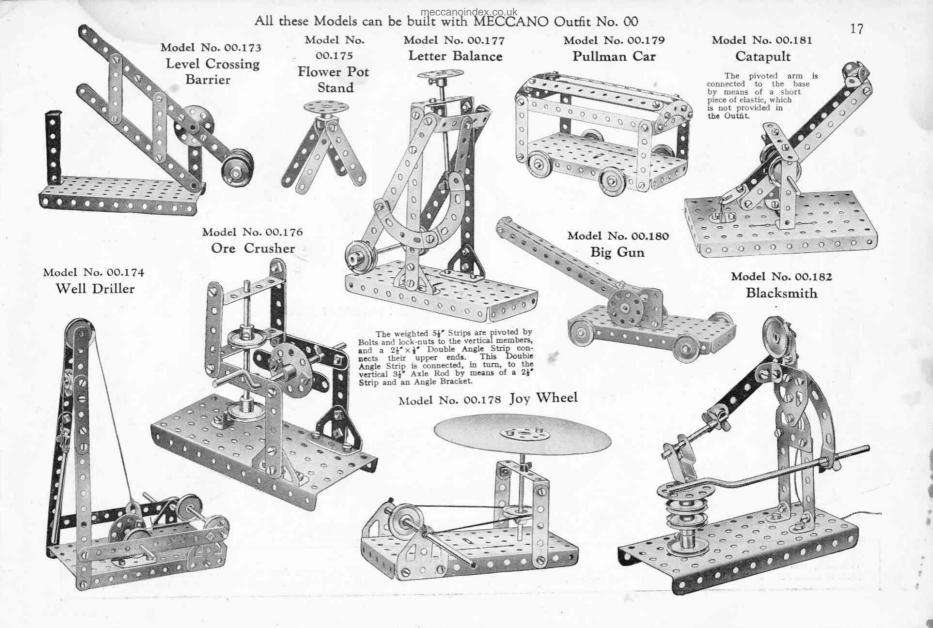




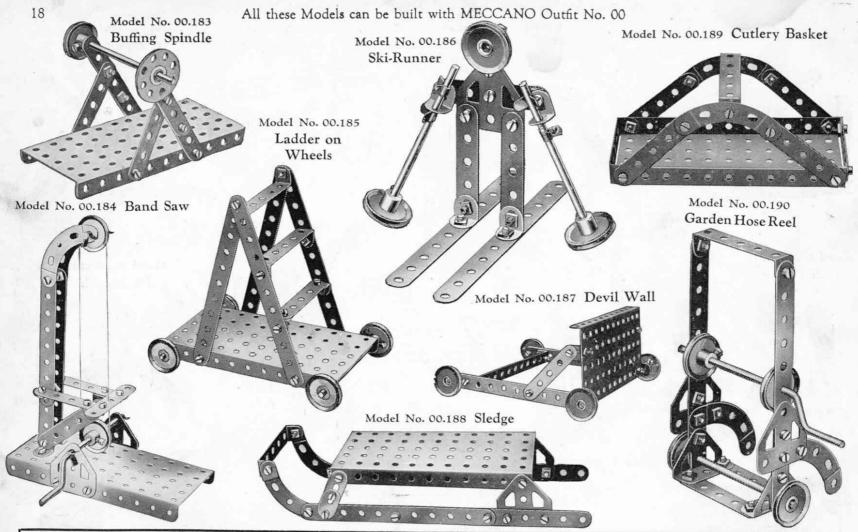
00000







meccanoindex.co.uk



#### HOW TO CONTINUE

This completes our examples of models that may be made with MECCANO Outfit No. 00. The next models are a little more advanced, requiring a number of extra parts to construct them. The necessary parts are all contained in a No. 00A Accessory Outfit, the price of which will be found in the list on the opposite page.

### Meccano Accessory Outfits



### The Purpose of Meccano Accessory Outfits

Meccano Accessory Outfits connect the main Outfits from No. 00 to No. 7. They may be well described as the stepping stones to bigger and better models. A No. 00 Outfit may be converted into a No. 0 by adding to it a No. 00A Accessory Outfit, and a No. 0A would then convert it into a No. 1. In this way, no matter with which Outfit a boy commences, he may build it up by degrees until he possesses all the parts contained in the largest Outfit.

No. 3a Accessory Outfit

|     | CC               | MIE                                  | NI   | 5 (  | 10   | No.   | 00 OUTFIT   |       |   |
|-----|------------------|--------------------------------------|------|------|------|-------|---|-------|---|
| No. |                  |                                      | Qty. |      |      | No.   |   | Q     |   |
| 2   | Perforated Strip | s, 5½"                               | 250  | 1111 | 4. 8 | 40    | Hanks of Cord   | 111   | 1 |
| 5   | 11 11            | 21"                                  | ***  |      | 6    | 44    | Cranked Bent Strips   |       | 1 |
| 10  | Flat Brackets    | ****                                 | ***  | 0.00 | 4    | 48A   | Double Angle Strips, 21"×1  | *     | 2 |
| 12  | Angle Brackets,  | $\frac{1}{2}'' \times \frac{1}{2}''$ |      | ***  | 84   |       | Perforated Flanged Plates, 5  |       |   |
| 16  | Axle Rods, 31"   | ***                                  | ***  | 444  | 2    |       | INVESTIGATION OF THE PROPERTY | ~ 41  | Ů |
| 17  | ,, ,, 2"         |                                      | ***  | ***  | 2    |       | Hooks   | ***   | 1 |
| 19s | Crank Handles    | (Small)                              |      | ***  | 1 4  | - 90A | 2½" Curved Strips, cranked  | , 13" |   |
| 22  | Pulley Wheels,   | 1" (Fast)                            |      | ***  | 4    |       | radius, 4 to circle   | ***   | 2 |
| 24  | Bush Wheels      | 393                                  |      | ***  | 14   | 111c  | Bolts, §"   | ***   | 4 |
| 35  | Spring Clips     | 200                                  | ***  | ***  | 4    | 125   | Reversed Angle Brackets, 1  | *     | 1 |
| 36  | Screw Drivers    |                                      | ***  |      | 1 /  | 126   | Trunnions   |       | 2 |
| 37  | Nuts and Bolts,  | 7/32"                                | ***  | ***  | 16   | 126A  | Flat Trunnions  | ***   | 2 |
| 37A | Nuts             |                                      | ***  |      | 4    |       | Instructions Manual No. 00  |       | 1 |

#### 

## The "Meccano Magazine"

The "Meccano Magazine" is the Meccano boy's own newspaper. He reads it regularly and when he is in difficulties consults his friend the Editor.

The Magazine tells him of the latest Meccano models; what Meccano Clubs are doing; how to correspond with other Meccano boys; the Competitions that are running. It contains splendid articles on all subjects of interest to boys.

Write to the Editor, "Meccano Magazine," Liverpool, England, enclosing 15c. in stamps. He will then forward a specimen copy of the "M.M.," postpaid. If you wish to become a regular subscriber the rates are 75c. for six issues or \$1.50 for twelve issues, postpaid. If you prefer to do so, you may order the Magazine from your Meccano dealer or from any newsagent or bookstall, price 15c.



# Patents and Designs Great Britain 250,378 671,485 253,236 671,534 290,121 671,790

648,958

671,484

## MECCANO

#### THE TOY THAT MADE ENGINEERING FAMOUS

Millions of boys in every country throughout the world play with Meccano.

These are the Meccano Factories and distributing centres.

Patents and Designs
Great Britain
682,209 718,404
682,934 718,731
683,011 733,541
686,112 733,542
698,054 740,413
740,723

London Office and Warehouse:

Meccano Ltd.,

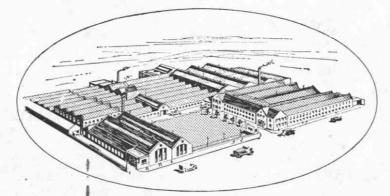
Walnut Tree Walk,
Kennington Road, London, S.E.11.

680,416

682,208



London Service and Repair Depot Meccano Ltd., 5/6, Marshall Street, London, W.1.



Head Office and Factory: LIVERPOOL, ENGLAND.

#### Meccano Agencies:

Alexandria,
Algiers,
Amsterdam,
Auckland,
Barcelona,
Basle,
Bogota,
Bombay,

Brussels,
Buenos Aires,
Cairo,
Calcutta,
Cape Town,
Caracas,
Constantinople,
Durban,

Genoa, Hong Kong, Iquitos, Johannesburg, Karachi, Mexico City, Monte Video, Oslo. Para, Rio de Janeiro, Santiago, Sao Paulo, Stockholm, Sydney, Tampico, Tanga. Meccano G.m.b.H., Berlin SW.68, Alte Jakobstrasse 20-22.

Canadian Office and Warehouse:

Meccano Ltd.,

34, St. Patrick Street, Toronto.



Meccano (France) Ltd., 78-80, Rue Rébeval, Paris XIXeme.