

MECCANO

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, 410379, 55096, 12240

HORNBY'S ORIGINAL SYSTEM-FIRST PATENTED 1901

INSTRUCTIONS

FOR OUTFIT

No. 00

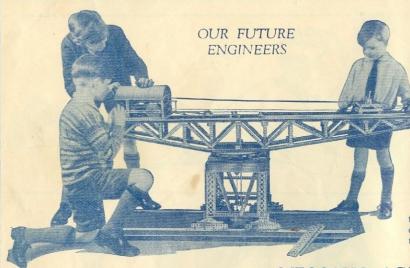


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Canadian Branch: Meccano Limited, 34, St. Patrick Street, Toronto

No. 31.00

CANADA



A TALK WITH NEW MECCANO BOYS

The Meccano No. 000 and 00 Outfits are the first steps 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 (with the exception of Outfit No. 000) 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.

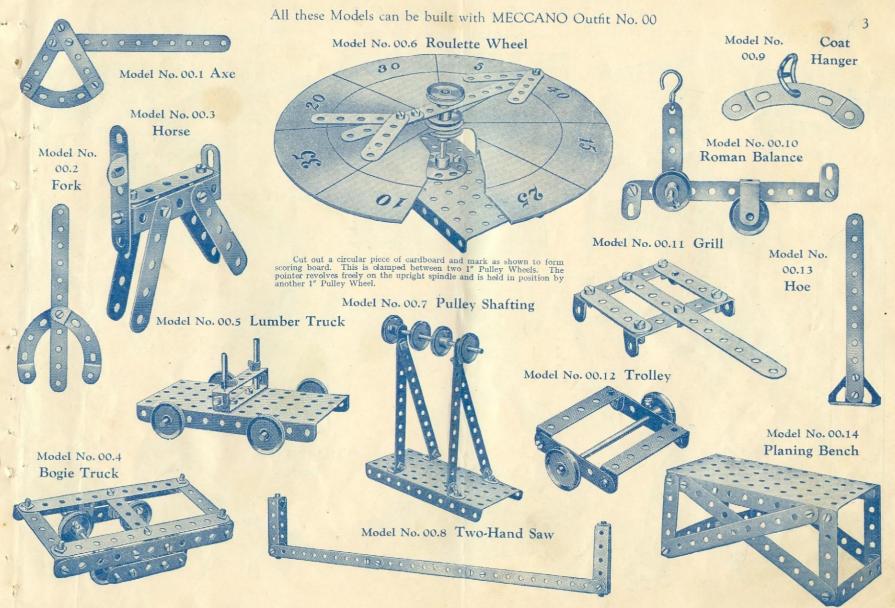
If you are not already a reader of the "Meccano Magazine" write to the Editor, Old Swan, Liverpool, for full particulars of the current subscription rates.

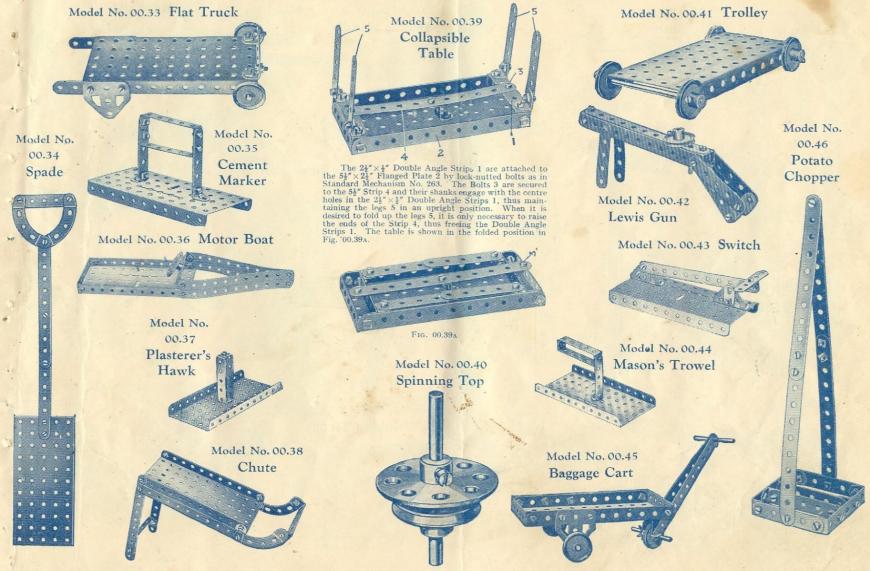
If you prefer to do so, you may order the Magazine from your Meccano dealer or from any newsagent or bookstall.

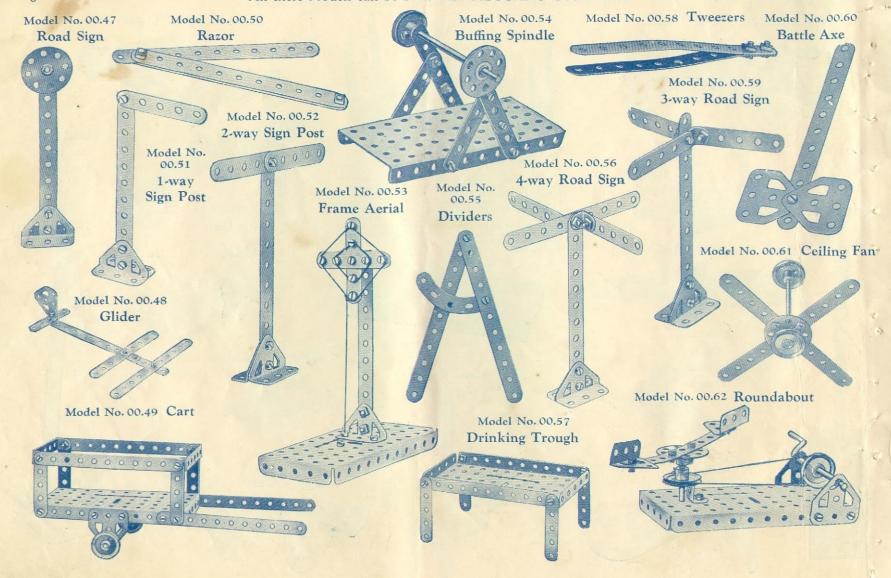
MECCANO SERVICE

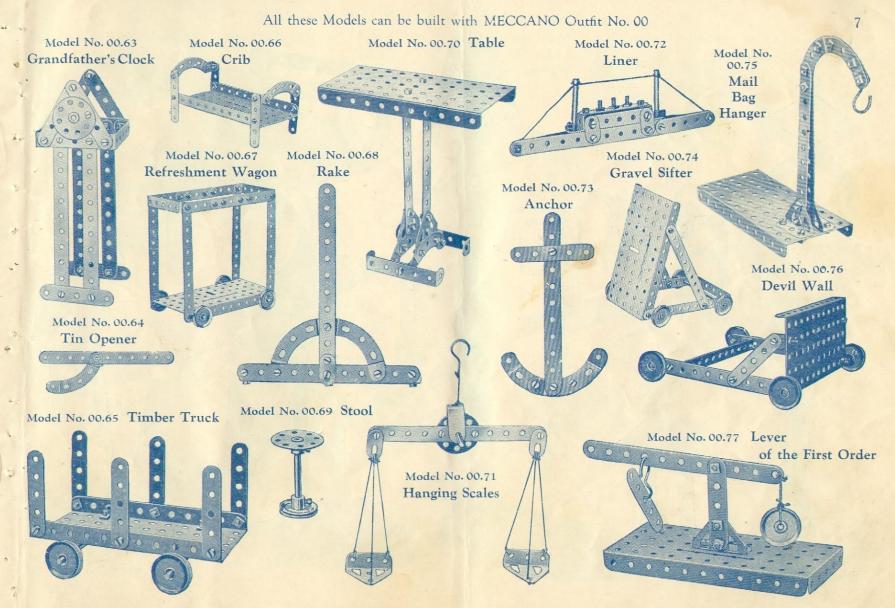
The service of Meccano does not end with selling an Outfit and an Instruction Manual. When you want to know something more about engineering than is now shown in our books, or when you strike a tough problem of any kind, write to us. We receive over 200 letters from boys every day all the year round. 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.

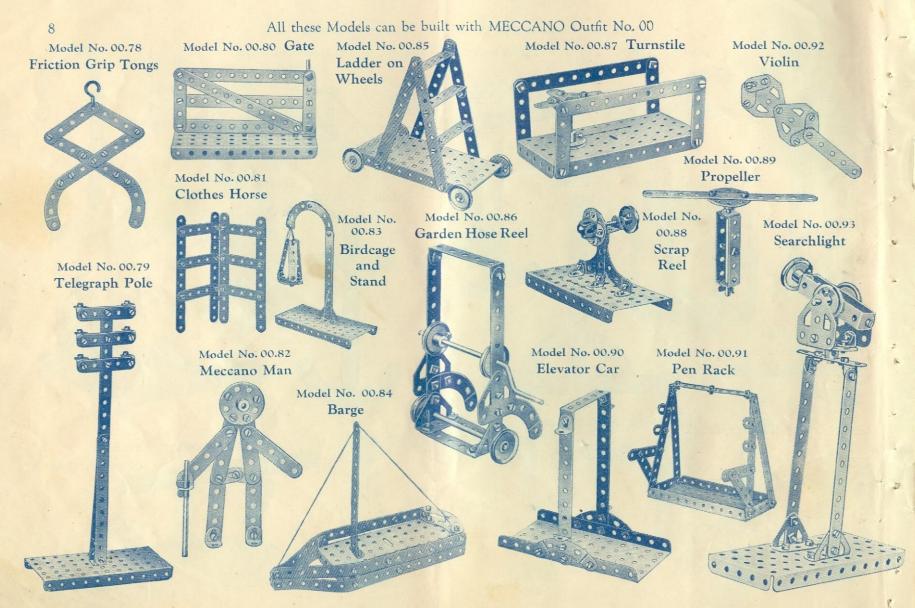
Although all kinds of queries are put to us on all manner of subjects, the main interest is, of course, engineering. No one has such a wonderful knowledge of engineering matters as that possessed by our staff of experts. This vast store of knowledge, gained only by hard-earned experience, is at your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

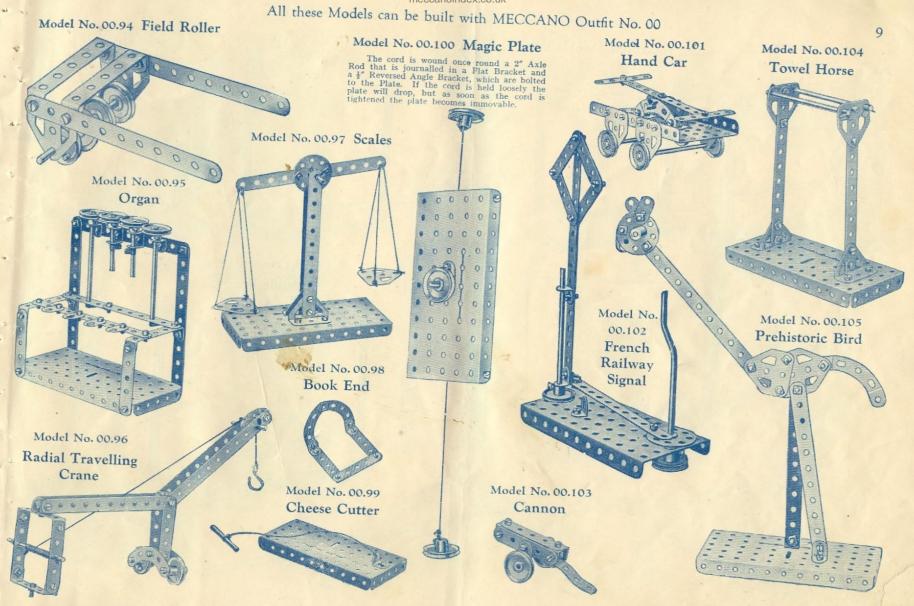


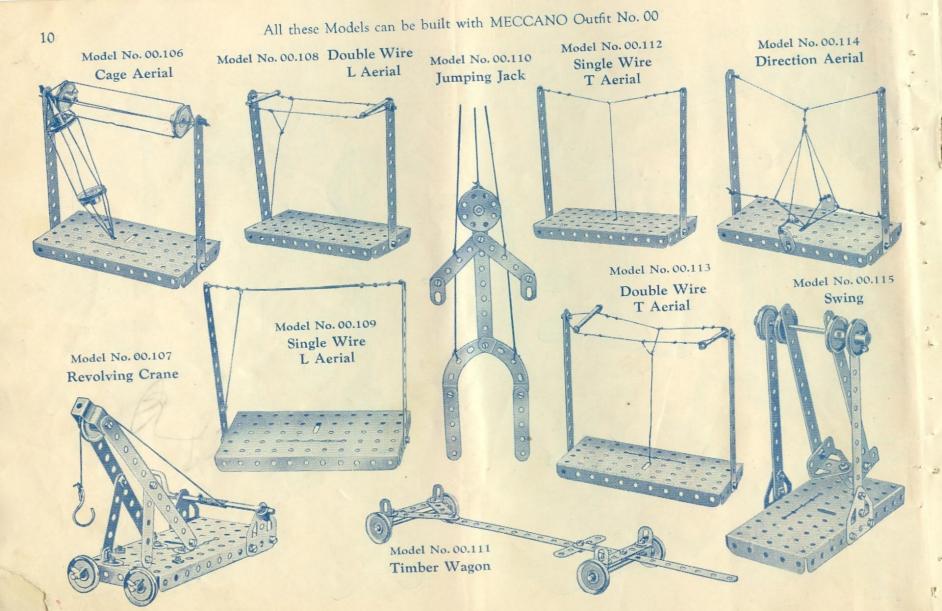


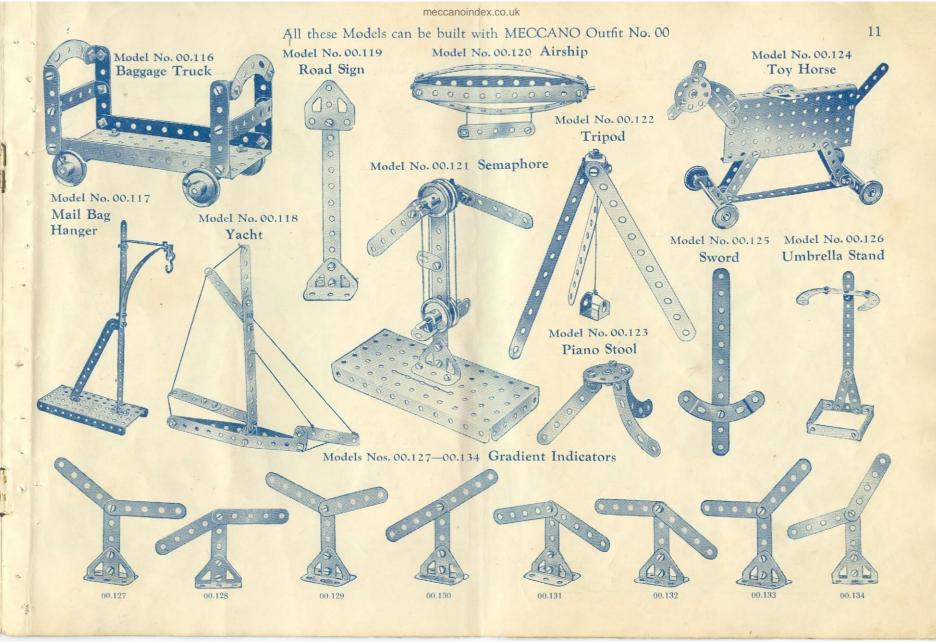


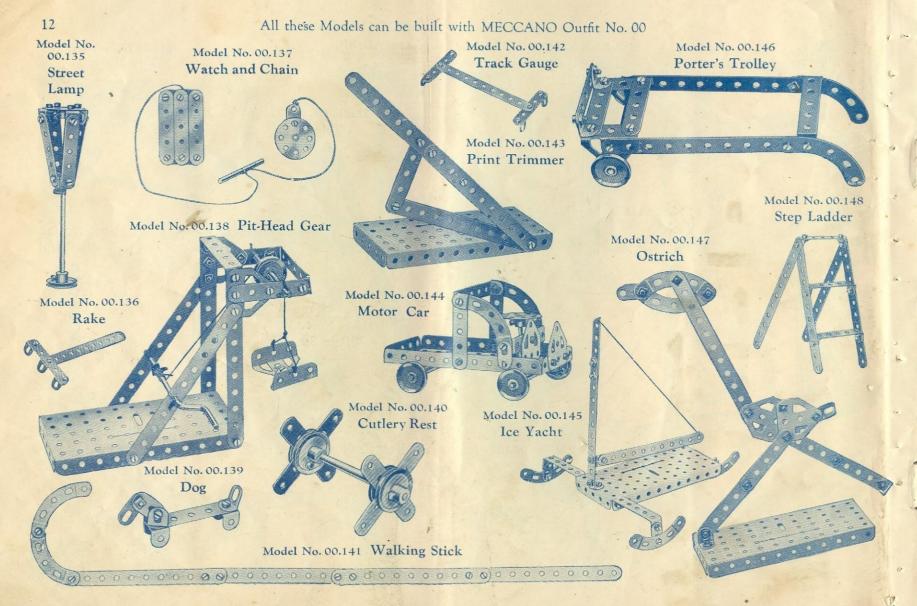


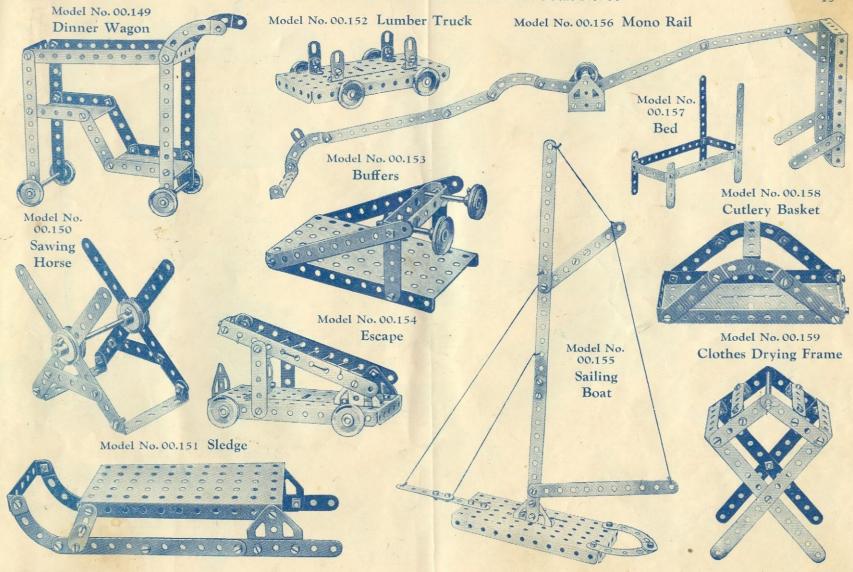


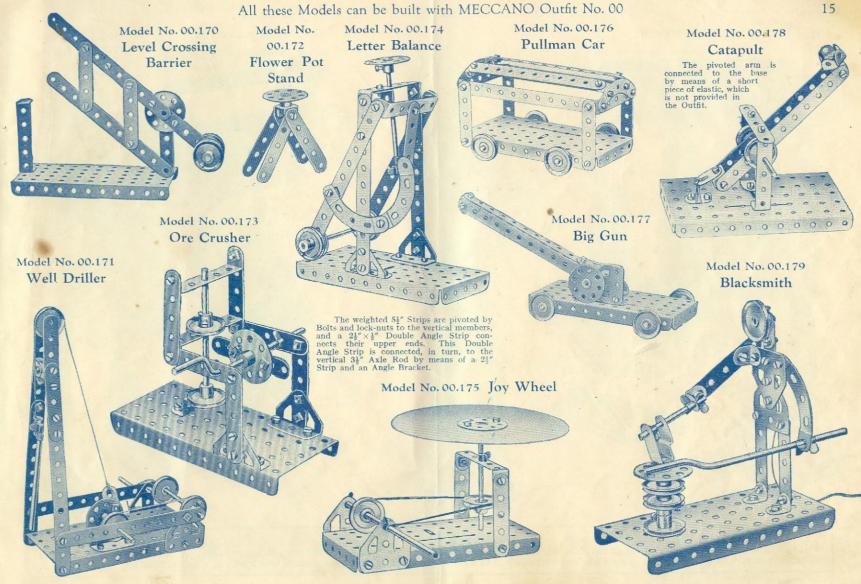


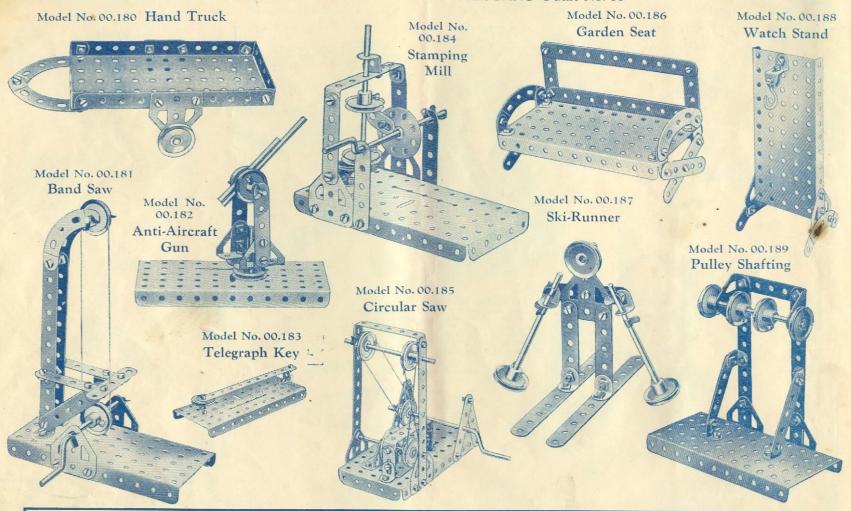






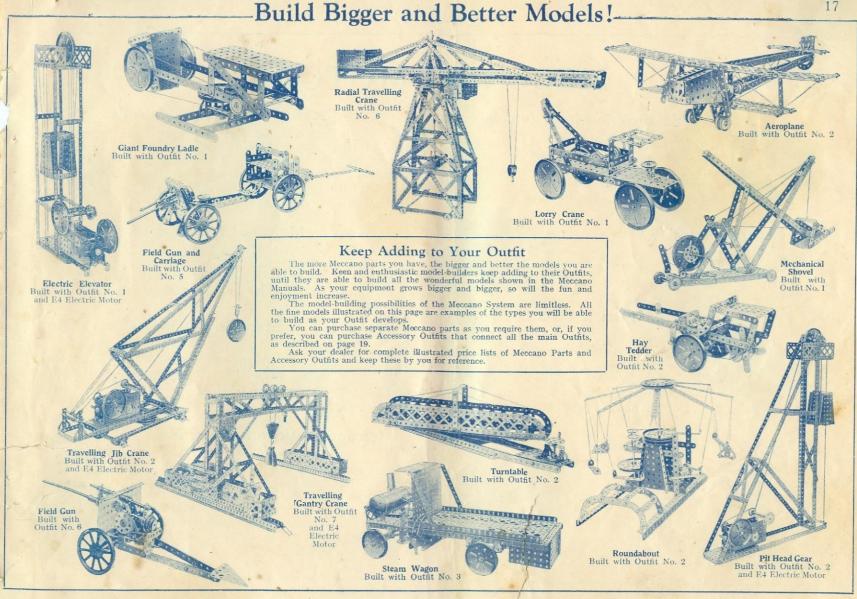






HOW TO CONTINUE

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 may be obtained from any Meccano dealer.



meccanoindex.co.uk

MECCANO MOTORS



E1 Electric Motor (6 Volt)

This powerful and reliable Electric Motor (non-reversing) may be driven from the main through a Meccano Transformer (alternating current only) or from batteries. It is specially designed to build into Meccano models.

E2 Electric Motor (6 Volt)

Similar to the El Motor, but fitted with extended side plates. This Motor is very popular with model-builders.



E3 Electric Motor (6 Volt)

This highly efficient Electric Motor is similar to the E2 Motor in design. An additional feature, however, is the control mechanism with which it is fitted, enabling the motor to be started stopped or reversed, as desired.



E4 Electric Motor (6 Volt)

This Motor is supplied with gearing assembled on each side. It may be driven from the main through a Meccano Transformer (alternating current only) or from batteries, and is fitted with a control mechanism enabling it to be started, stopped or reversed



Meccano Resistance Controller

speed of the Meccano Electric Motors (6 volt) may be regulated as desired. The controller is connected in series with the motor and accumulator, or with the motor and transformer if a transformer is used as the source of power.



Meccano Transformers

Each Meccano 6-volt Electric Motor may be operated from the main current, safely and conveniently, by means of a Meccano Transformer. There are two types of Meccano Transformers available, one for 110 volt 60 cycles and the other for 110 volt 25 cycles.



Meccano Clockwork Motor No. 1

(Non-Reversing)

Along-running and highly efficient Clockwork Motor (non-reversing), fitted with a brake lever by means of which the motor may be stopped and started, as required.

Meccano Clockwork Motor No. 2

This strongly-built Clockwork Motor is a compact self-contained power unit. An efficient governor controls the powerful spring that is fitted on the motor, and ensures a long steady run at each winding. Brake and reverse levers enable the motor to be stopped, started and reversed, as required.



MECCANO ACCESSORY OUTFITS



The Purpose of Meccano Accessory Outfits

Meccano Accessory Outfits connect the main Outfits from No. 00 to No. 7. They are 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.

IMPORTANT.—An Accessory Outfit No. 000a is not supplied, but details of the extra parts required to build all the models in the No. 00 Manual will be found in the Instruction Folder included in the No. 000 Outfit.



No. 3a Accessory Outfit

No. 2a Accessory Outfit

CONTENTS OF No. 00 OUTFIT No. 37A Nuts 2 Perforated Strips, 51" ... 40 Hanks of Cord 44 Cranked Bent Strips 10 Flat Brackets 48A Double Angle Strips, 21" × 1" ... 12 Angle Brackets, ½"×½" 52 Perforated Flanged Plates, 5½" × 2½" ... 16 Axle Rods, 3½" 90 A 21" Curved Strips, cranked, 11" radius, 4 to circle ... 19s Crank Handles (Small) 111c Bolts, 3" 22 Pulley Wheels, 1" (Fast) 125 Reversed Angle Brackets, 1" ... 24 Bush Wheels 126 Trunnions 35 Spring Clips 126A Flat Trunnions 36 Screw Drivers Instructions Manual No. 00 ... 37 Nuts and Bolts, 7/32"

Patents and Designs Great Britain

250,378 671,485 253,236 671,534 290,121 671,790 323,234 680,416 671,484 682,208

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.

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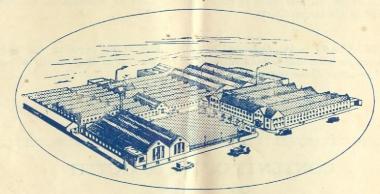


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