

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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No. 31.00

ENGLISH EDITION



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.

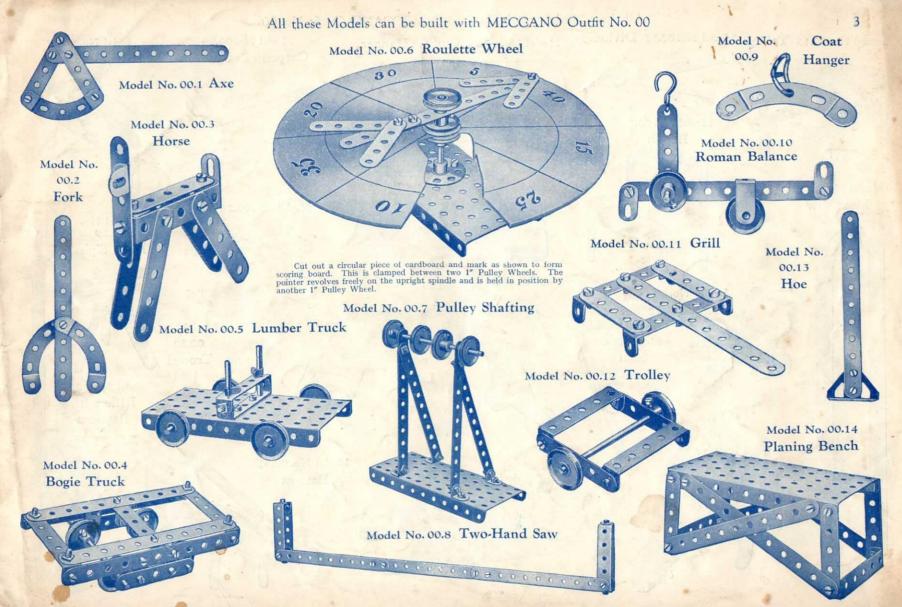
If you are not already a reader of the "Meccano Magazine" write to the Editor, Old Swan, Liverpool, for full particulars of the current subscription rates.

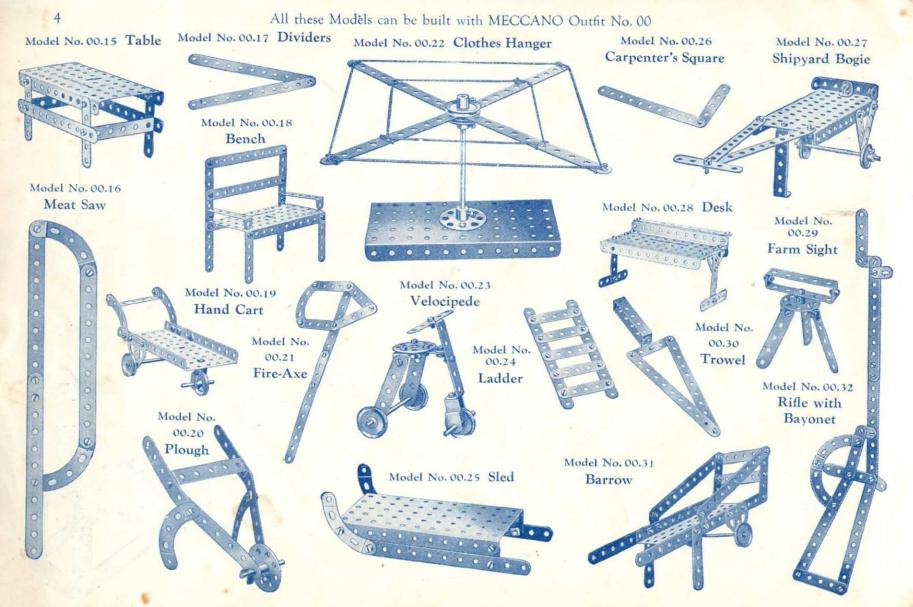
If you prefer to do so, you may order the Magazine from your Meccano dealer or from any newsagent or bookstall.

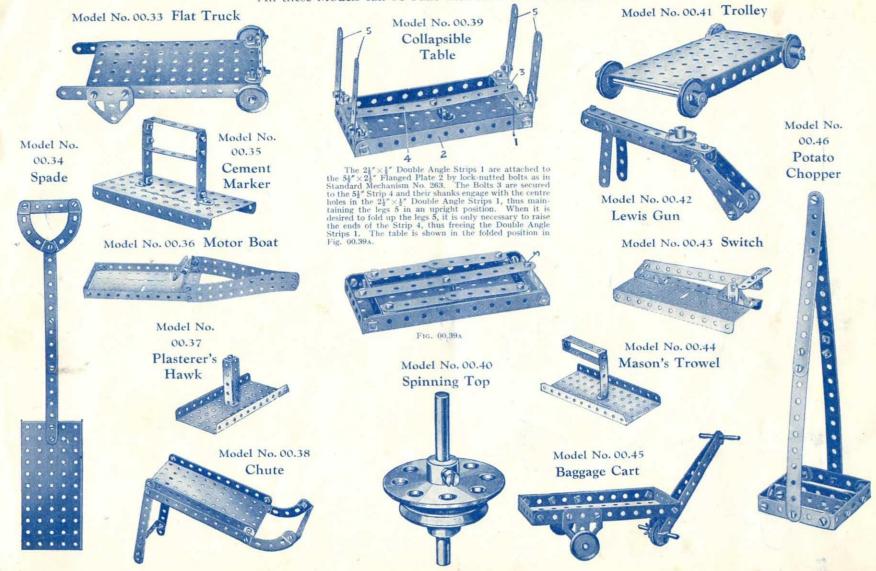
MECCANO SERVICE

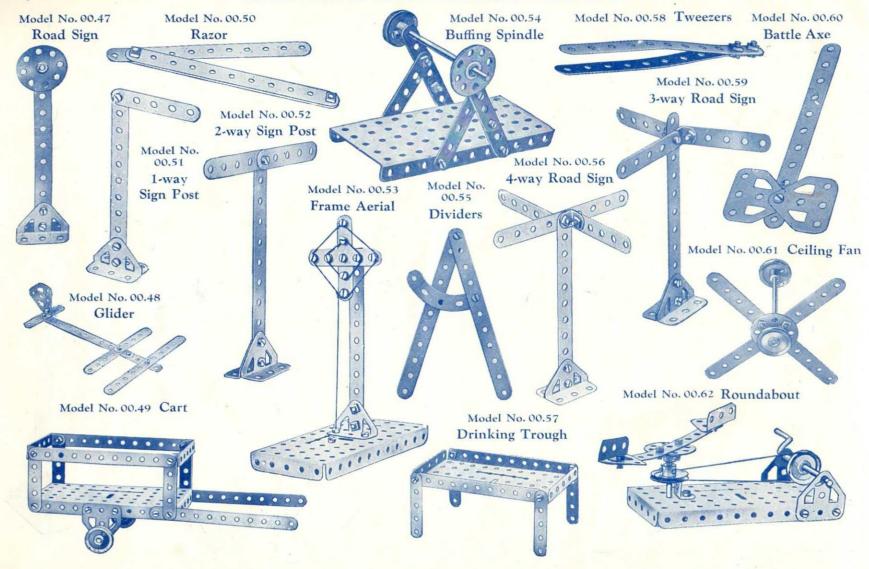
The service of Meccano does not end with selling an Outfit and an Instruction Manual. When you want to know something more about engineering than is now shown in our books, or when you strike a tough problem of any kind, write to us. We receive over 200 letters from boys every day all the year round.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

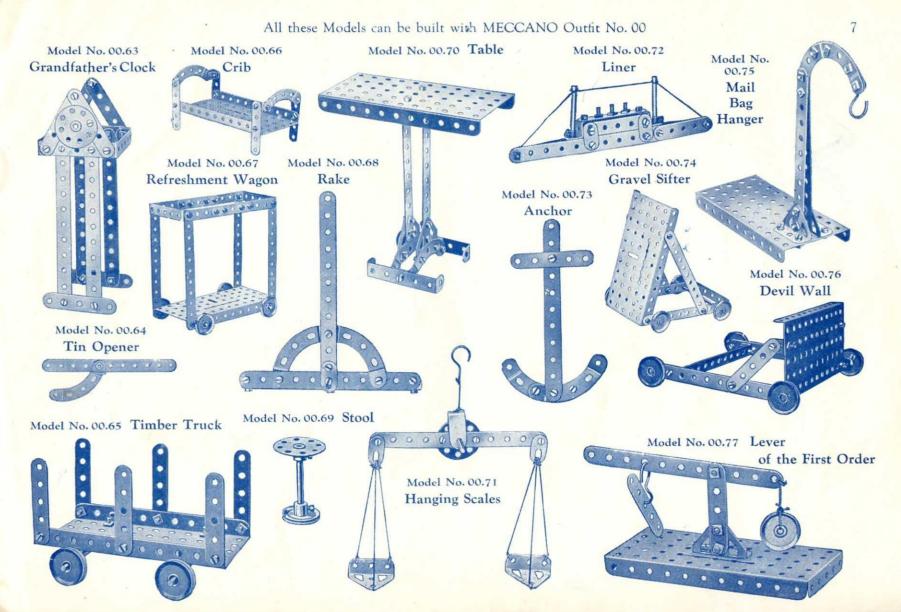
Although all kinds of queries are put to us on all manner of subjects, the main interest is, of course, engineering. No one has such a wonderful knowledge of engineering matters as that possessed by our staff of experts. This vast store of knowledge, gained only by hard-earned experience, is at your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

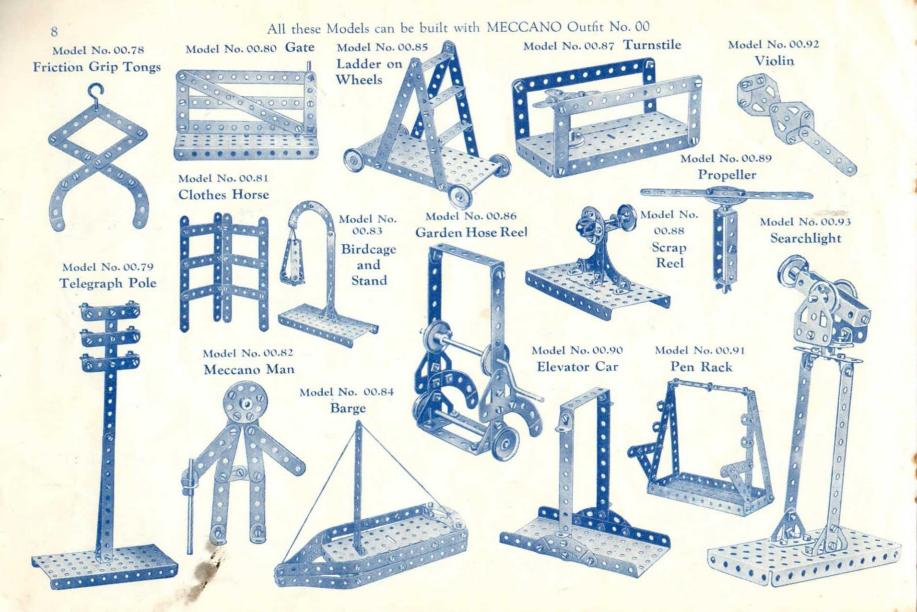


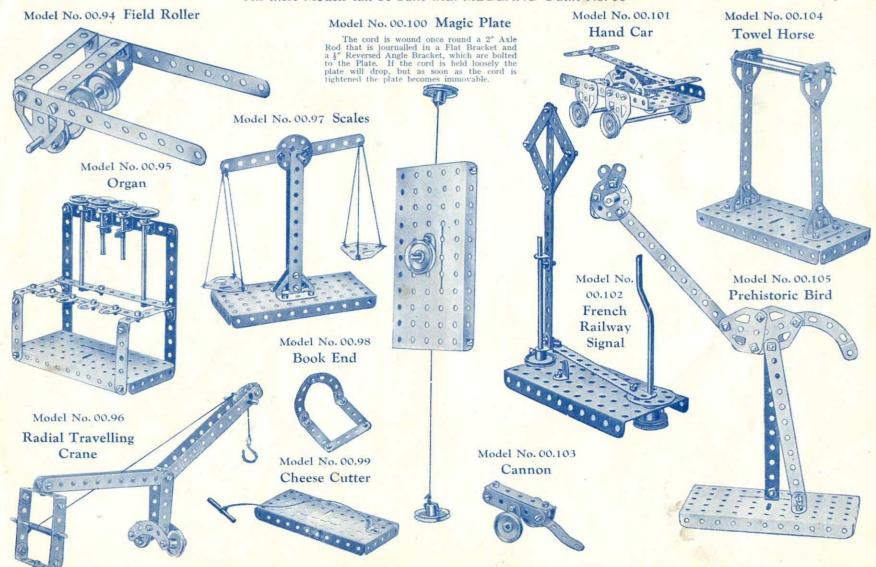


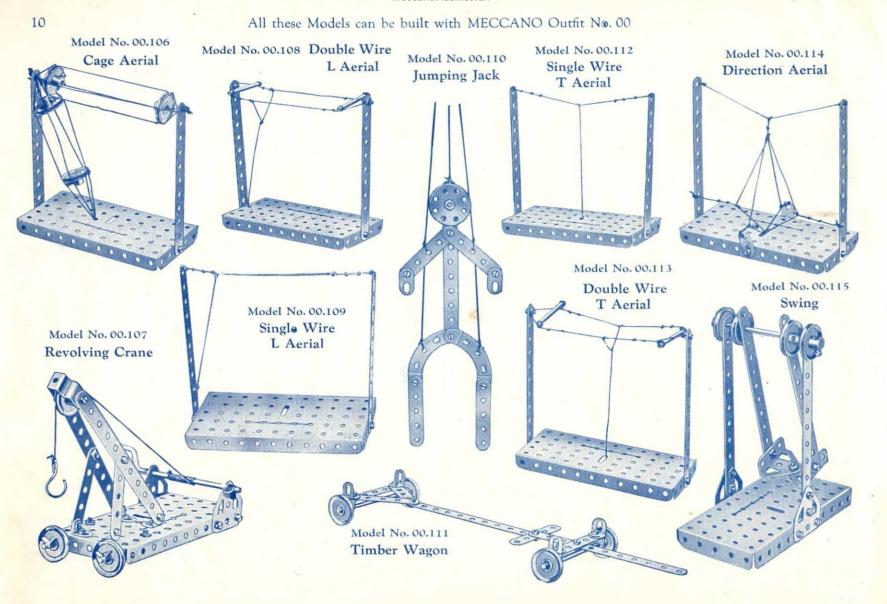










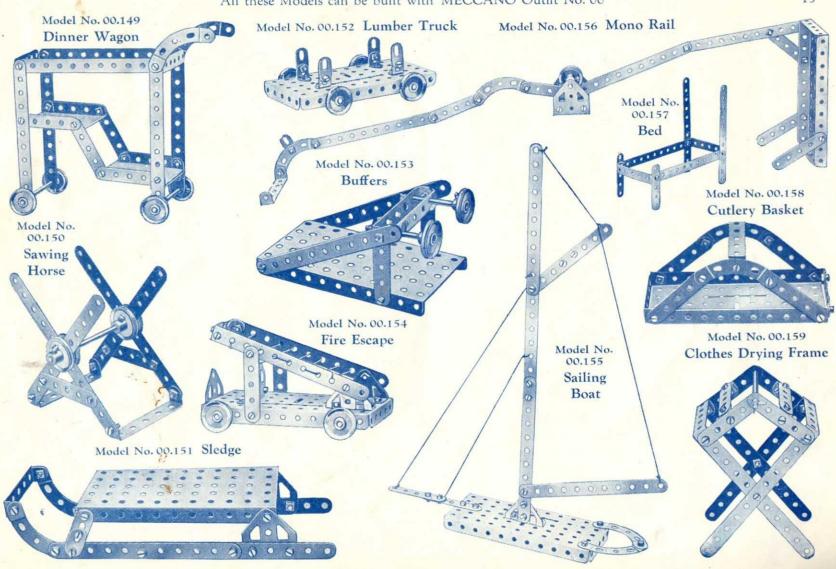


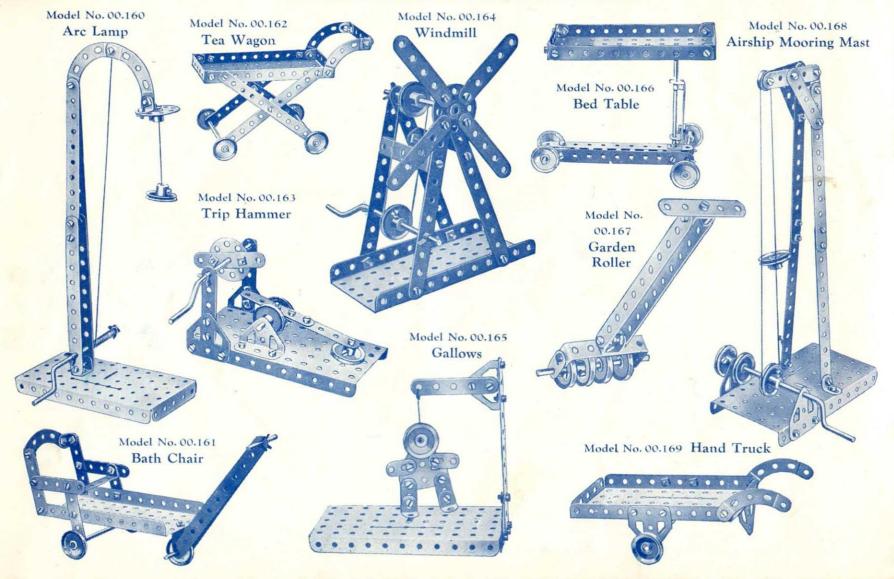
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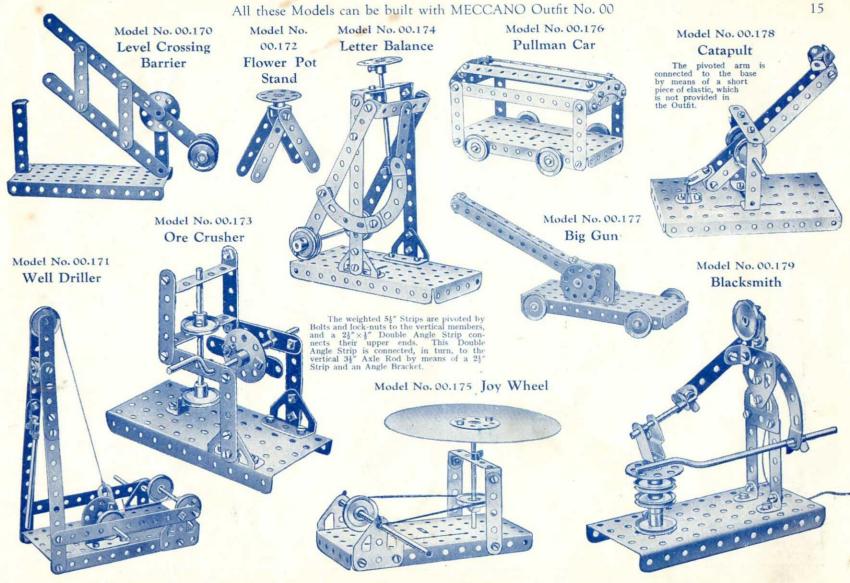
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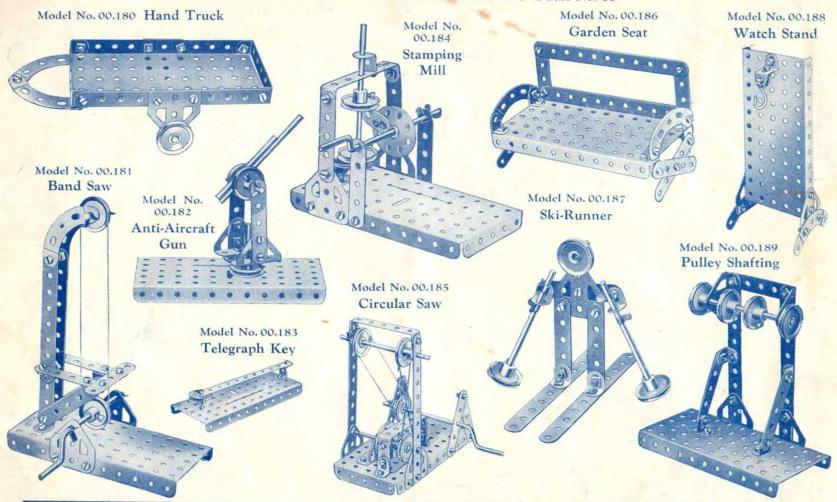
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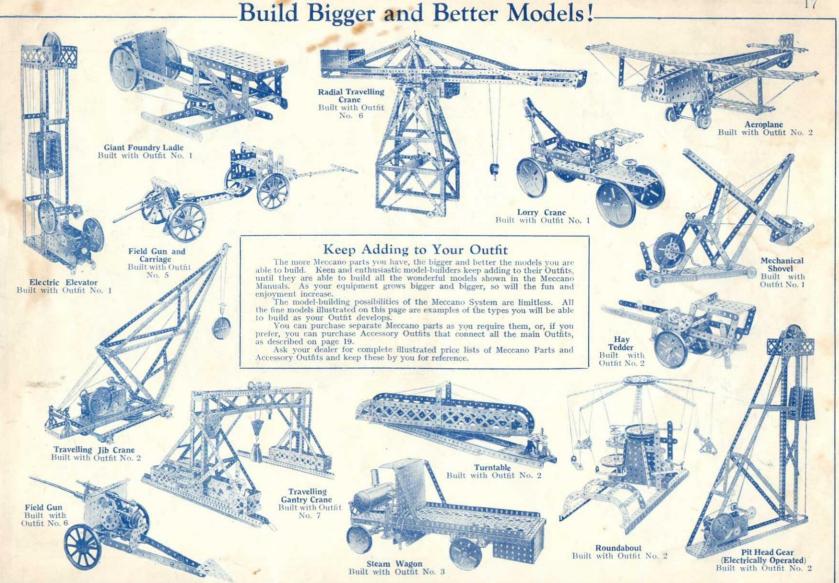






HOW TO CONTINUE

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.



MECCANO ELECTRIC MOTOR

No. E. 1 (6-volt)

This is a highly efficient electric motor (non-reversing) that will give excellent service. A 6-volt Accumulator will operate it, but it may also be driven from the main (alternating current only) through the Transformer described on this page.



MECCANO ELECTRIC MOTOR

No. E. 6 (6-volt)



This powerful and reliable 6-volt Motor may be run from a 6-volt accumulator or, by employing the Transformer described on this page, from the main. It is fitted with a control mechanism that enables the motor to be started, stopped or reversed as desired.

NOTE.—The above Electric Motors will not run satisfactorily from dry cells.

MECCANO ACCUMULATOR

(6-volt, 20 amps.)

The Meccano Accumulator is of substantial construction and is specially recommended for running the Meccano 6-volt Electric Motors.

MECCANO RESISTANCE CONTROLLER

By employing this variable resistance the speed of the Meccano 6-volt Electric Motors may be regulated as desired. The controller is connected in scries with the motor and accumulator, or with the motor and transformer is used as the source of power. It will not regulate the speed of a high-voltage motor connected to the main.



MECCANO

MOTORS AND ACCESSORIES

In order to obtain the fullest possible enjoyment from the Meccano hobby the models should be operated with a Meccano power unit. The side plates and bases are pierced with the standard Meccano equidistant holes, which enable the motors or the steam engine to be built into any Meccano model in the position that is most suitable.

MECCANO STEAM ENGINE

Strong - Powerful

Safe - Reversing

On actua
test this powerful steam unit
has lifted over
56 lbs. Operation of the reversing lever
enables the
crankshaft, which is
fitted with a special

compensating flywheel, to run in either direction. The spirit container for the lamp is placed well outside the boiler-casing, eliminating all risk of the spirit becoming heated. There is no

risk of the spirit becoming heated. There is no danger whatever of the boiler exploding. A special Manual of Instructions is supplied with each engine.

TRANSFORMER



By means of this transformer the Meccano 6-volt Electric Motors may be driven from the main supply (alternating current only). It is available for all standard supply voltages, from 100 to 250 inclusive, at all standard frequencies. The supply voltage and frequency must be specified when ordering.

MECCANO CLOCKWORK MOTOR No. 1

(Non-Reversing)

A long-running and highly efficient clockwork motor (non-reversing), fitted with a brake lever by means of which it may be stopped and started, as desired.



MECCANO CLOCKWORK MOTOR No. 2

(Reversing)

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



No. 2a Accessory Outfit

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

CONTENTS OF No. 00 OUTFIT

NJ.					Q	ty. No.					Qt	v.
2	Perforated Strips, 51"					4 37A	Nuts					30.0
5	,, ,, 21"					6 40	Hanks of Cord					
10	Flat Brackets		*:(*			4 44	Cranked Bent Strips		alter and a		1992	1
12	Angle Brackets, 1"×1"					8 48A	Double Angle Strips, $2\frac{1}{2}'' \times \frac{1}{2}''$					2
16	Axle Rods, 3½"					2 52	Perforated Flanged Plates, 51	"×2½"				1
	,, ,, 2 [#]					2 57	Hocks	1000	202	22	Albert I	1
	Crank Handles (Small)					1 90A	21" Curved Strips, cranked, 18	" radius	4 to c	ircle	100	2
	Pulley Wheels, 1" (Fast)						Bolts, 3"					4
	Bush Wheels					1 125	Reversed Angle Brackets, 1"					1
35						4 1 126						2
	Screw Drivers						Flat Trunnions					2
	Nuts and Bolts, 7/32"					16	Instructions Manual No. 00		200	200	2000	1
-	1,410 4114 2016, 1/02	39.000		22.77	0,000			*****				

Atents 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.

Patents and Designs
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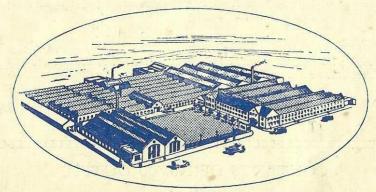


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