

## Real Engineering in Miniature

Many Meccano enthusiasts prefer to build models of their own design. To help them increase stocks of any particular parts they may require, and to enable lost items to be replaced, Meccano parts can be purchased separately. A selection of the hundreds of parts available in the Meccano system is shown opposite, and any Meccano Dealer will be happy to provide an illustrated price list of the complete range.

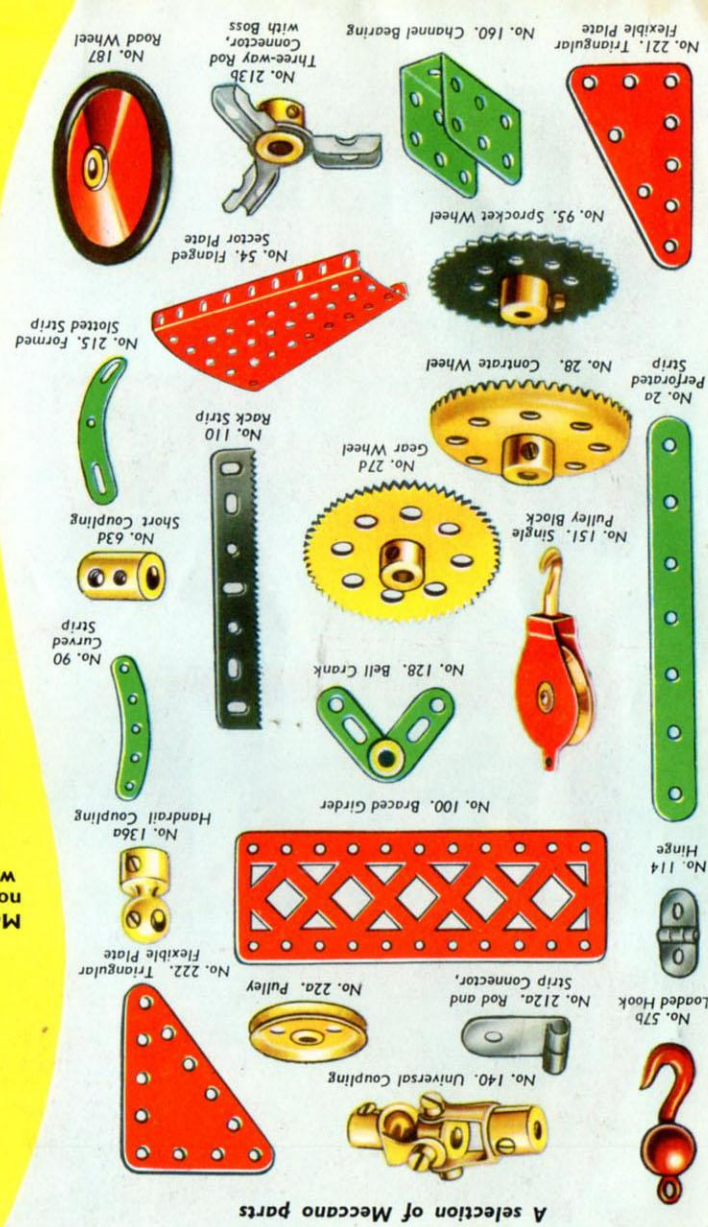
The Meccano system is composed of an extensive range of interchangeable metal parts, which can be used over and over again to build an almost endless variety of models that work on the same principles as their real-life counterparts. Meccano parts are similar to the basic parts used in real engineering—girders, gears, plates, pulleys, cranks, couplings, nuts and bolts, and so on. There are no tiresome detailed illustrations in the Books of Instructions supplied with the Outfits, make everything clear and simple.

Meccano enables boys to build realistic models of motor cars with gear-boxes and differentials, lift and opening bridges, cranes that lift, swivel and travel, looms that weave cloth, clocks that keep accurate time, and many other of the fascinating machines and mechanisms they see around them today. Meccano caters for that urge to construct and experiment which exists in all boys. Every Outfit from the smallest to the largest provides great fun, and scope for interesting development.

Most boys like to know how things are made and how they work—nothing gives them greater pleasure than finding out 'what makes the wheels go round' . . . Meccano is just the hobby for them!

## Engineering for Boys

# MECCANO



A selection of Meccano parts

Part of the steering mechanism built into a model Fork Lift Truck constructed with Outfit No. 6.

A No. 1 Clockwork Motor working through reduction gearing and being used to drive a fine model Forge Crane. This model can be built with Outfit No. 6.

It's Realistic . . . It Works . . . It's Meccano

Meccano is ideal for reproducing in model form interesting mechanical devices and movements used in real engineering. Some examples from the Books of Instructions are illustrated below.

## MECCANO MOTORS

Four Meccano power units are available, two clockwork, and two electric. These power units are adapted for easy fitting into Meccano structures.

### MECCANO CLOCKWORK MOTORS

The Meccano Clockwork Motors fit easily into Meccano models, and their precision-cut gears make them smooth and steady in operation.

**Meccano Magic Motor.** Non-reversible. Specially intended for driving small models built from Outfits Nos. 00 to 5. **Price 6/9**

**Meccano No. 1 Clockwork Motor.** Suitable for driving many of the larger models. It is fitted with reversing mechanism. **Price 16/3**

### MECCANO ELECTRIC MOTORS

The great advantage of electric motors is that they can be run continuously for long periods. If alternating current is available from the house mains a Meccano 20-volt Electric Motor can be run cheaply, and with perfect safety, through a Meccano T20M Transformer. If A.C. current is not available, these Electric Motors can be run from an accumulator of suitable voltage.

**Meccano No. EO20 Electric Motor.** A sturdy 20-volt non-reversing motor of the enclosed type. **Price £1.0.9**

**Meccano No. E20R Electric Motor.** A powerful 20-volt motor with reversing mechanism. **Price £1.11.6**

**Meccano T20M Transformer.** For use with EO20 and E20R Electric Motors. 210/250 volts A.C.; other mains voltages to special order. **Price £2.2.6**

Prices include Purchase Tax



MECCANO LIMITED

BINNS ROAD

LIVERPOOL 13

Printed in England

PRICES IN THIS FOLDER ARE CANCELLED. ASK FOR A REVISED PRICE LIST

1955/6 U.K.

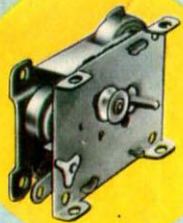
# MECCANO

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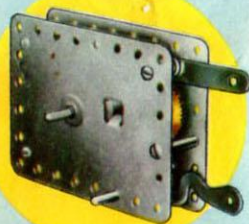


## Engineering for Boys

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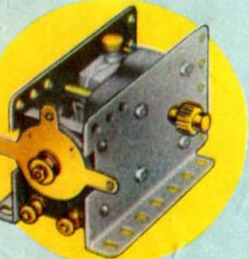
Meccano Magic Motor



Meccano No. 1 Clockwork Motor



Meccano No. EO20 Electric Motor



Meccano No. E20R Electric Motor

11/555/455





Meccano Outfit No. 2



Meccano Outfit No. 6

# MECCANO

## A New Model Every Day

Every day throughout the year, a boy can build a new model with Meccano, using the same parts over and over again. No ready-made toy can compete with Meccano for long and happy play hours.

Meccano is available in twelve different Outfits ranging from No. 00, the smallest, to No. 10, the largest. These main Outfits are linked together by Accessory or 'A' Outfits, and progress from one main Outfit to the next larger can be made without unnecessary duplication of parts, by the addition of the appropriate Accessory Outfit. For example, a Meccano No. 1 Outfit can be converted into a No. 2 by adding to it a No. 1a Accessory Outfit. A No. 2a would then convert it into a No. 3, and so on. It is not necessary to begin the Meccano hobby with the smallest Outfit; a start can be made with any complete Outfit in the series.

All Meccano parts are of the same high quality and finish, but the quantity and variety increase in each successive Outfit, making possible the construction of progressively bigger and better models. Meccano parts can be bought separately from Meccano Dealers.

### MECCANO COMPLETE OUTFITS

	£	s.	d.		£	s.	d.
Meccano Outfit No. 00	...	5	6	Meccano Outfit No. 5	...	2	17 6
Meccano Outfit No. 0	...	9	6	Meccano Outfit No. 6	...	3	12 6
Meccano Outfit No. 1	...	14	6	Meccano Outfit No. 7	...	5	7 6
Meccano Outfit No. 2	...	1	0 0	Meccano Outfit No. 8	...	8	15 0
Meccano Outfit No. 3	...	1	8 6	Meccano Outfit No. 9	...	13	15 0
Meccano Outfit No. 4	...	2	0 0	Meccano Outfit No. 10	...	39	5 0

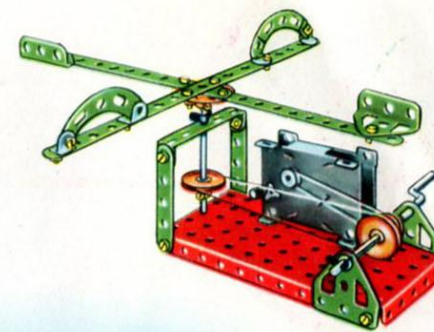
### MECCANO ACCESSORY OUTFITS

	£	s.	d.		£	s.	d.
Accessory Outfit No. 00a converts No. 00 into No. 0	...	...	...	...	...	3	9
Accessory Outfit No. 0a	...	...	0	...	...	5	9
Accessory Outfit No. 1a	...	...	1	...	...	7	0
Accessory Outfit No. 2a	...	...	2	...	...	12	6
Accessory Outfit No. 3a	...	...	3	...	...	14	9
Accessory Outfit No. 4a	...	...	4	...	...	1	0 0
Accessory Outfit No. 5a	...	...	5	...	...	15	6
Accessory Outfit No. 6a	...	...	6	...	...	1	12 6
Accessory Outfit No. 7a	...	...	7	...	...	3	15 0
Accessory Outfit No. 8a	...	...	8	...	...	3	7 6
Accessory Outfit No. 9a	...	...	9	...	...	19	5 0

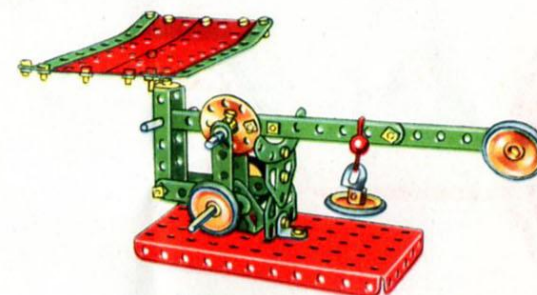
Prices include Purchase Tax

## Meccano models actually work . . .

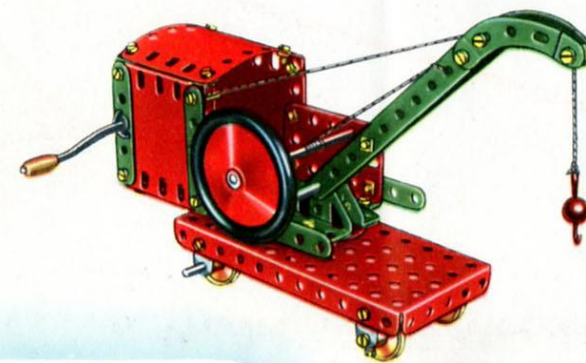
They can be operated by hand, but the most wonderful thrill of all is to set them in motion by means of a Meccano Clockwork or Electric Motor. Meccano Motors are described and illustrated on the back page of this folder.



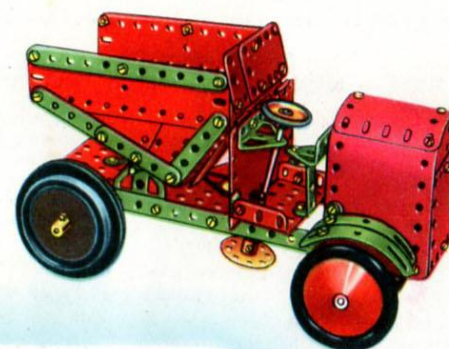
A Merry-go-Round built with Outfit No. 0. (The Magic Clockwork Motor is not included in the Outfit)



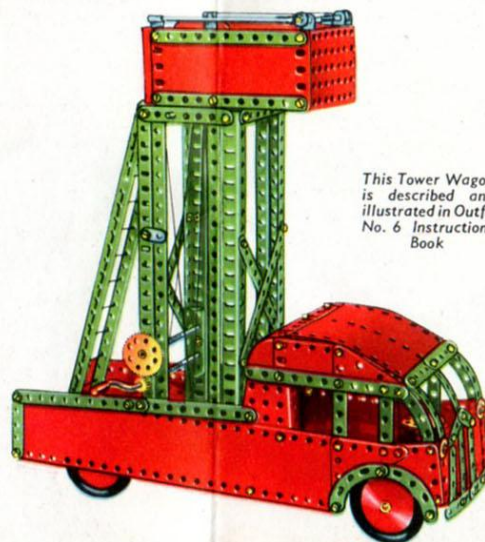
A Letter Balance built with Outfit No. 1



This Travelling Service Crane is one of the models illustrated in the Book of Instructions for Outfit No. 2



A fine Dumper Truck built with Outfit No. 4



This Tower Wagon is described and illustrated in Outfit No. 6 Instructions Book



MECCANO GEARS OUTFIT 'A'

This Gears Outfit, used in conjunction with a complete Meccano Outfit, makes possible the building of a wide range of interesting mechanisms driven through gears, as in real engineering. The machine-cut brass gears and steel sprockets in the Outfit have been selected as having the widest possible uses. The various mechanisms, steering and reversing gears, etc., described and illustrated in the Instructions Book are quite simple to assemble and to fit into models . . . . . Price 11/9

## Engineering for Boys

A Dockside Crane built with Outfit No. 8 (The No. 1 Clockwork Motor is not included in the Outfit)