# MECCANO

INSTRUCTIONS

FOI

No. O OUTFIT

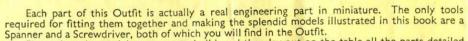
No. 47.0

COPYRIGHT BY MECCANO LTD. BINNS ROAD, LIVERPOOL 13.

# MECCANO

REAL ENGINEERING IN YOUR PLAY HOURS

#### HOW TO BEGIN



First select the model you want to build, and then lay out on the table all the parts detailed

in the "Parts Required" list. The illustrated list below will help you.

Take Model No. 0.5 as an example. Begin by bolting the Flat Trunnions that support the uprights of the swing to the Flanged Plate. Then bolt the uprights themselves to the Trunnions and join their upper ends with a  $2\frac{1}{2}$ "  $\times \frac{1}{2}$ " Double Angle Strip as shown. The Strips that form the backstays to the uprights, and the swing seat, can then be added.

In some models it is necessary to join certain parts together so that, although they cannot come apart, they are free to pivot or move in relation to one another. To do this the parts are bolted together as usual but the nut is not screwed up tightly, so that the parts are not gripped. Then, to prevent the nut from unscrewing, a second nut is screwed up tightly against it, the first nut being held with a spanner. This method of using a second nut is known as lock-nutting.

When you have built all the models illustrated in this Manual the fun is not over but is just beginning! Now comes the chance to make use of your own ideas. First of all rebuild some of the models with small changes in construction that may occur to you; then try building simple models entirely of your own design. In doing this you will feel the real thrill of the engineer and the inventor.

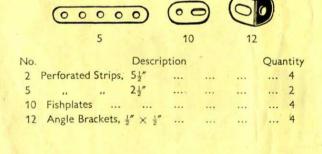
Several of the illustrations in this Manual show how miniature figures and various small articles can be introduced to add realism to the models. These are not included in the Outfit. Many of them are Meccano Dinky Toys that can be bought separately from your Meccano dealer.

If you ever meet with any small difficulty, or if you wish to have further information on any point in connection with your model-building, write to Meccano Ltd., Binns Road, Liverpool 13, and your letter will be answered fully and promptly.

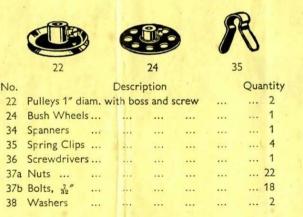
The Meccano Plates (Flanged, Flat, Curved, etc.) are shown in the Manual models with white

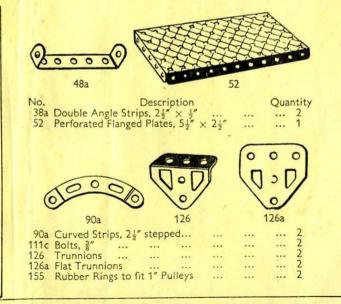
lines. In the new Meccano Outfits these parts are plain.

# CONTENTS OF MECCANO No. O OUTFIT



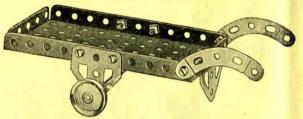
	17		D	_	F	195	•
16	Axle Rods,	3±"					1
17		2"					 1
19s	Crank Hand	lles, 3	shaft				 1





#### These Models can be built with MECCANO No. O Outfit

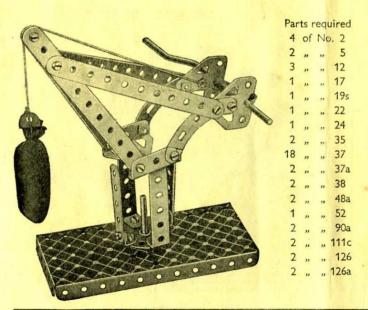
### O.1 HAND CART

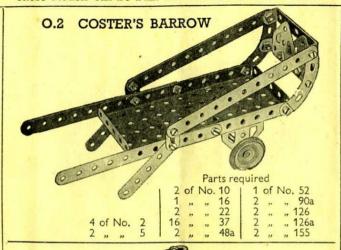


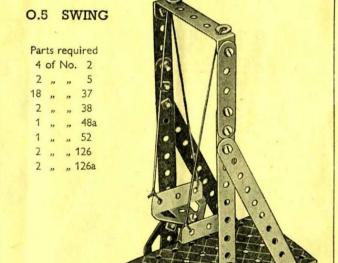
#### Parts required

1 of No. 16	1 1 of No. 52	2 of No. 126a
2 " " 22	1 of No. 52 2 ,, ,, 90a 1 ,, ,,126	2 " " 155
8 " " 37	1 " "126	

#### O.4 DOCKSIDE CRANE







#### O.3 FLAT TRUCK

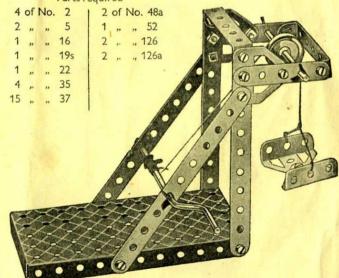


Parts required

2 of No. 5 | 2 of No. 22 | 1 of No. 90a 2 ,, 12 | 8 ,, 37 | 2 ,, 126a 1 ,, 16 | 1 ,, 52 | 2 ,, 155

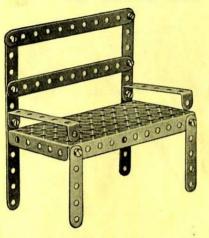
#### O.6 ELEVATOR

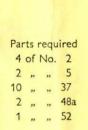
#### Parts required



#### These Models can be built with MECCANO No. O Outfit

#### O.7 GARDEN SEAT

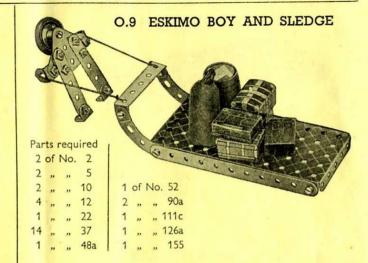


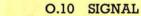




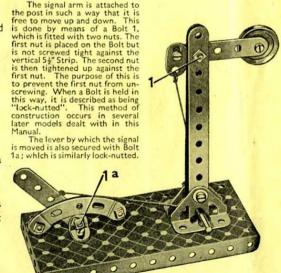
#### Parts required

1	of	No.	2	1 2	of	No.	22	1 1	of	No	. 52
			10		,,	,,	24	2	,,	,,	126
			12	9	,,	"	37	2	,,	,,	126a
1	**	,,	17	2	,,	,,	38				

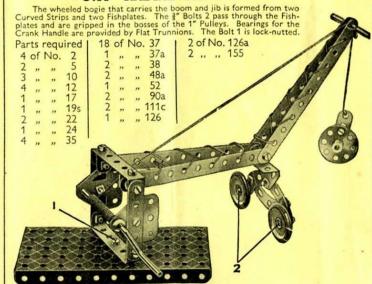


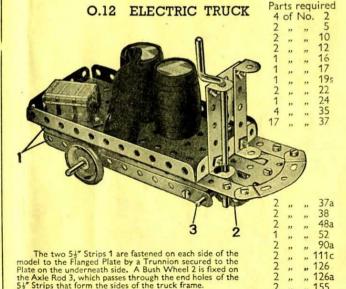




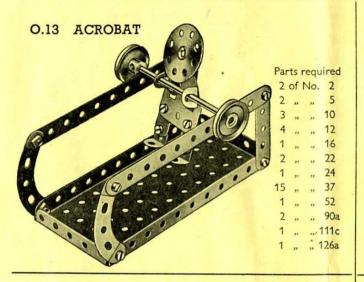


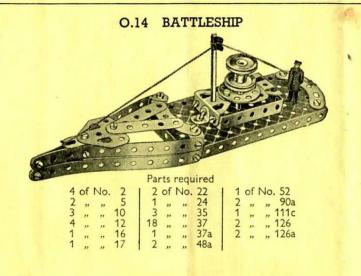
#### O.11 RADIAL CRANE

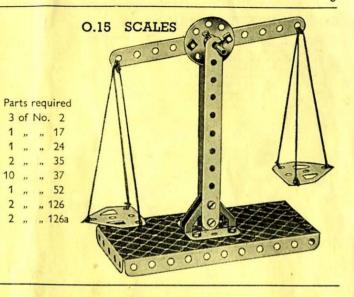


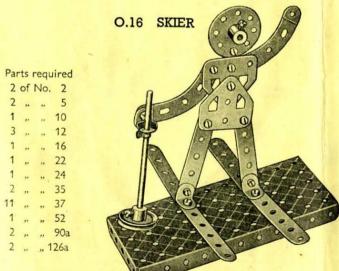


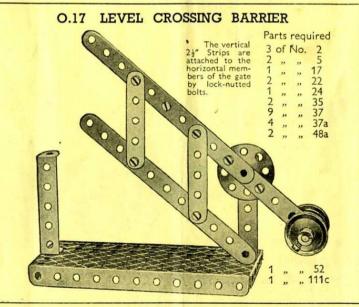
2 " " 155

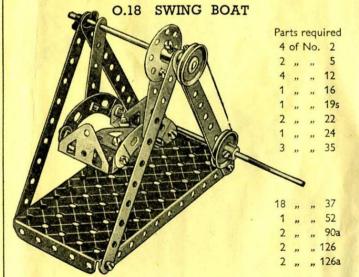


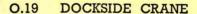




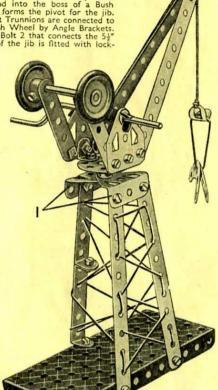






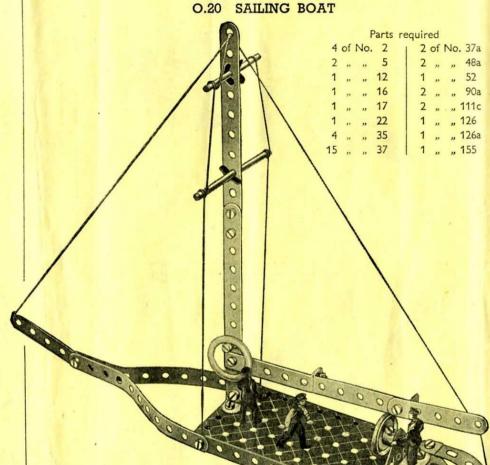


Two Trunnions 1 form the top of the tower and a %" Bolt passed through the holes in their pointed ends and into the boss of a Bush Wheel, forms the pivot for the jib. The Flat Trunnions are connected to the Bush Wheel by Angle Brackets. The %" Bolt 2 that connects the 5\forall strips of the jib is fitted with lock-



#### Parts required

					63	, -4	411 04				
4	of	No.	2	1 1	of	No.	24	11	of I	No	. 52
2	,,,	,,	- 5	2	"	,,	35	2	,,	,,	90a
							37				
							37a				
							38				
-				72.5			48a	75400			

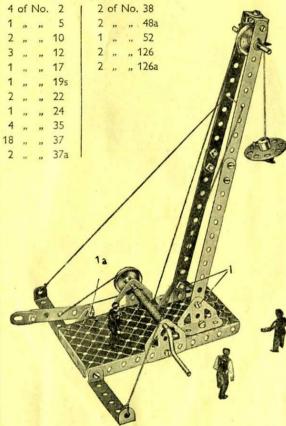


Read the "Meccano Magazine," published monthly. Ask your

dealer for full particulars.

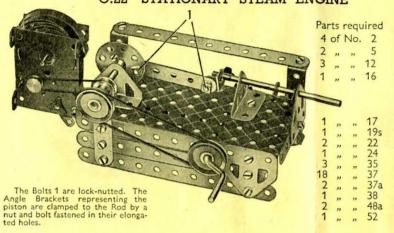
#### O.21 DERRICK CRANE

# Parts required

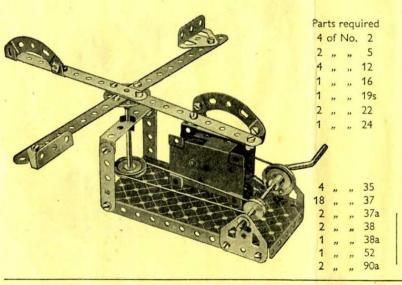


The construction of the model is commenced by bolting the Trunnions The construction of the model is commenced by botting the Trunnions and Flat Trunnions that support the jib and Crank Handle respectively, to the 5½" × 2½" Flanged Plate that forms the base of the model. The jib is then assembled and fastened to the Trunnions by means of the lock-nutted Bolts 1. The brake lever is a 2½" Strip extended by a Fishplate, and is fastened to a second Fishplate botted to the Flanged Plate by means of a Path at the support highly large to allow the Strip to mount Bolt 1a the nut of which is left sufficiently loose to allow the Strip to move. A length of Cord is fastened to the lever and then passed round the 1" Pulley on the Crank Handle.

#### O.22 STATIONARY STEAM ENGINE



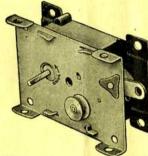
#### O.24 MERRY-GO-ROUND



2 of No. 126 2 " " 126a Magic Motor (not in Outfit)

Parts required 3 of No. 2 2 ,, 5 1 ,, 10

# THE MECCANO MAGIC MOTOR



The greatest thrill in Meccano model-building is experienced when a model is set to work by means of a Meccano Magic Motor. The illustrations on this page show how the Magic Motor can be fitted without any dfficulty to No. O Outfit models of various types. Fit the model you have just built with one of these wonderful Motors, and enjoy the fun of watching it work just like the real thing.

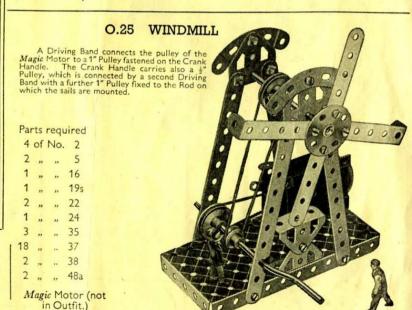
The Motor is not included in the Outfit.

2 of No. 111c 2 ,, ,, 126 2 ,, ,, 126a Magic Motor (not in Outfit) 1 of No. 52 2 ,, ,, 90a 2 ,, ,, 126 2 ,, ,, 126a

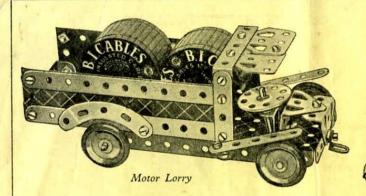
#### O.23 MECHANICAL HAMMER

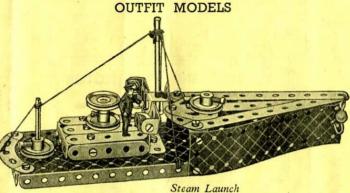
Magic Motor (not in Outfit.)

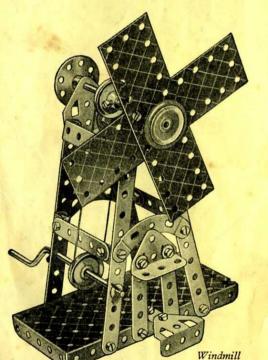
The ½" fast Pulley 1 is driven from the pulley 2 on the Magic Motor by the Driving Band supplied with the Motor.



# Keep adding to your Outfit A SELECTION OF MECCANO NO. 1







#### HOW TO CONTINUE

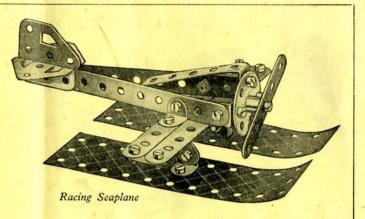
When you have built all the models shown in this Manual you should obtain a copy of the No. 1 Manual from your dealer, together with the selection of Meccano parts listed below. These additional parts will convert your No. O Outfit into a No. 1 Outfit, with which it is possible to build larger and more attractive models similar to those illustrated on this page.

Part	No.							Quantity
5.	Perforated				( e e e	***	***	2
12	Angle Brack		× ½"	4.60	***	***	4.0.0	4
16	Axle Rods,		***	***	***	***	***	1
17	Axle Rods,			***	***		***	1
22	Pulleys, 1"	diam. w	ith bo	ss and	screw	400		2
34	Spanners	***	***		***	***	***	1
37a	Nuts			***				8
37Ь					***	***	+++	6
38	Washers	***		***		***	***	2
40	Hanks of C		***	4.4.4		***	***	1
57c	Hooks, Loa	ded, Sn	nall		***	38.83	***	1
111c			***	KR4		CREEK	304.9	2
125	Reversed A					0.00		1
155	Rubber Rin				***	***	***	2
189	Flexible Pla	tes, 5½°	$\times 1\frac{1}{2}$	″		***	***	2

The more Meccano parts you have, the bigger and better the models you are able to build. Keen and enthusiastic model-builders keep adding to their Outfits, until they are able to build all the wonderful models shown in the Meccano Manuals.

Remember that the model-building possibilities of

the Meccano System are unlimited.





Travelling Crane