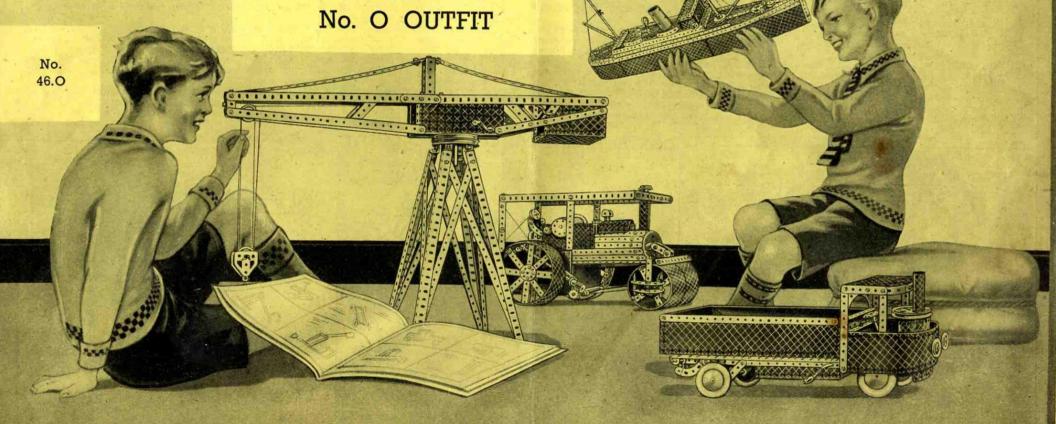
MECCANO

INSTRUCTIONS

FOR

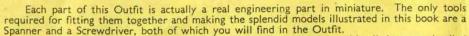


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MECCANO

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

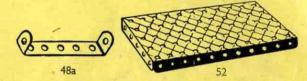
No.		Description				Quantity			
2	Perforated	Strips,	51"			***		4	
5	"		21/2"					2 -	
10	Fishplates		'					4	
12	Angle Bra	ackets,	1"×1"					4	







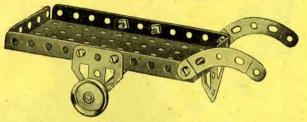
LL		24			22		
	Desc	ription			Qua	intity	,
Pulleys, 1" wi	th bo	ss and	screw			2	
Bush Wheels					***	1	
Spanners			****			1	
Spring Clips			***			4	
Screwdrivers			***	***		1	
Nuts			***			20	
Bolts, 32"						18	
Washers		***				2	
	Bush Wheels Spanners Spring Clips Screwdrivers Nuts Bolts, 32"	Pulleys, 1" with both Bush Wheels Spanners Spring Clips Screwdrivers Nuts Bolts, 32"	Description Pulleys, 1" with boss and Bush Wheels Spanners Spring Clips Screwdrivers Nuts Bolts, 32"	Description Pulleys, 1" with boss and screw Bush Wheels Spanners Spring Clips Screwdrivers Nuts Bolts, 32"	Description Pulleys, 1" with boss and screw Bush Wheels Spanners Spring Clips Screwdrivers Nuts Bolts, 32"	Description Qua Pulleys, 1" with boss and screw Bush Wheels Spanners Spring Clips Screwdrivers Nuts Bolts, 32"	Description Quantity Pulleys, 1" with boss and screw 2 Bush Wheels



A8a Double Angle Strips, $2\frac{1}{2}'' \times \frac{1}{2}''$ 52 Perforated Flanged Plates, $5\frac{1}{2}'' \times 2\frac{1}{2}''$		Quantity 2 1
000000000000000000000000000000000000000	60	000

0		0	1	0/
90a		126	126	1
90a Curved Stri	Marie Committee	ped	***	2
111c Bolts, §" 126 Trunnions				2
126a Flat Trunnic	ons		***	2
155 Rubber Rin	gs to fit 1"	Pulleys	2.55	2

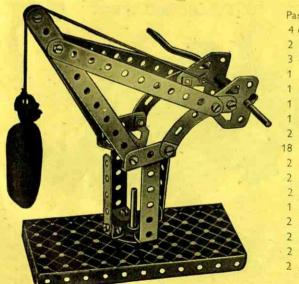
O.1 HAND CART



Parts required

1	of	No.	. 16	1 of No. 52	2 of No. 126
2	-,,	39	22	2 " " 90a	2 ,, ,, 155
8	**		37	1 ,, ,, 126	

O.4 DOCKSIDE CRANE



Parts required 4 of No. 2 2 5 1 ., , 17 1 ., ,, 22 1 " " 24 2 ,, ,, 35 18 37 2 " " 37a 2 -38 2 48a 1 52 2 " " 90a 2 " "111c 2 ,, ,, 126 2 " "126a



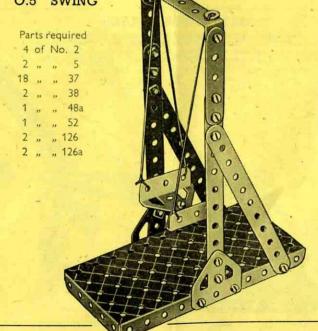
O.3 FLAT TRUCK



Parts required

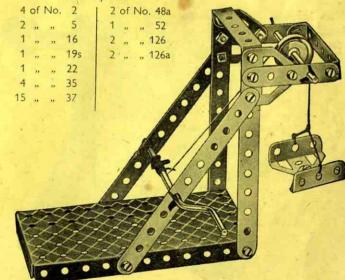
	Parts required	
2 of No. 5	2 of No. 22	1 of No. 90a
2 ,, ,, 12	8 " " 37	2 " " 126a
1 ,, ,, 16	1 " " 52	2 " " 155

O.5 SWING



O.6 ELEVATOR

Parts required

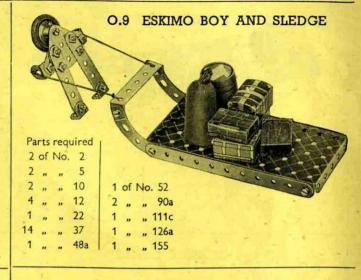


O.7 GARDEN SEAT

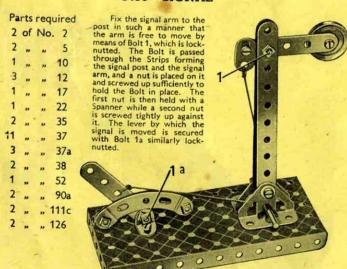


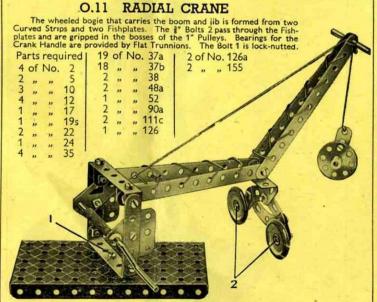
Parts required 4 of No. 2 2 , , , 5 10 , , , 37 2 , , 48a

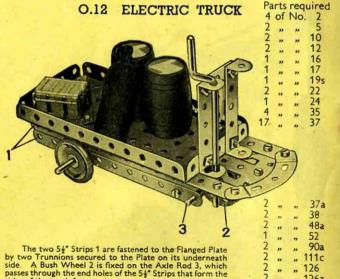
O.8 COUNTER SCALES Parts required 1 of No. 2 | 2 of No. 22 | 1 of No. 52 | 2 m 126



O.10 SIGNAL

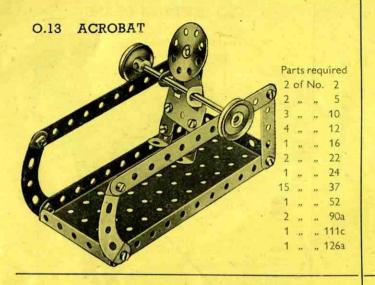


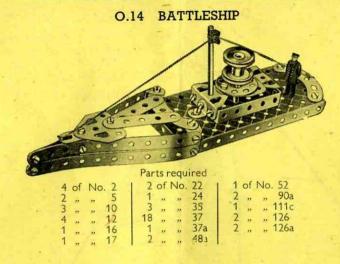


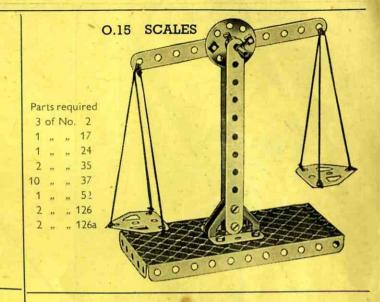


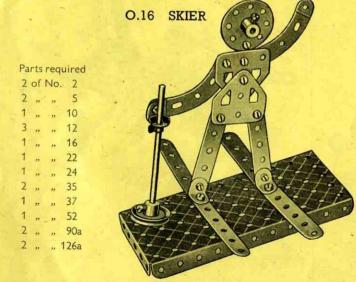
sides of the truck frame.

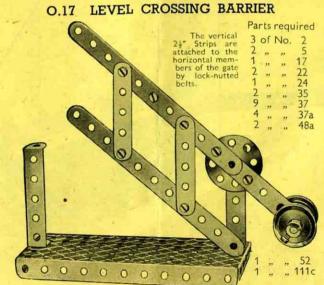
These Models can be built with MECCANO No. O Outfit

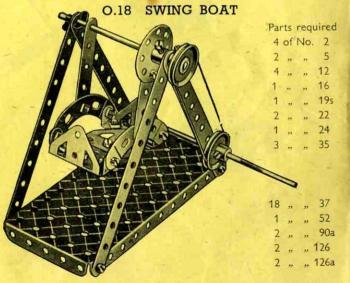


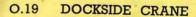




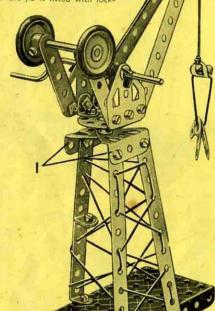






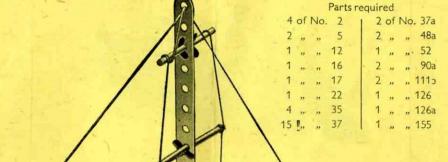


Two Trunnions 1 form the top of the tower, and a ** Bolt passed through the holes in their pointed ends and into the boss of a Bush Wheel, forms the pivot for the jib. The Flat Trunnions are connected to the Bush Wheel by Angle Brackets. The ** Bolt 2 that connects the 5** strips of the jib is fitted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



			Pa	at c	ro	guired				
4	of N	0. 2	1 1	of	No	. 24	1 1	of	No	. 52
	,, ,					35				90a
3	., ,	, 12				37a				111c
1		. 17				37Ь				
1	,, ,,	. 19s .								
		. 22								

O.20 SAILING BOAT



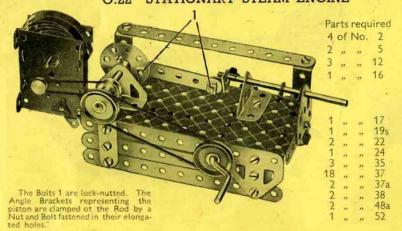
Read the "Meccano Magazine," published monthly. Ask your dealer for full particulars.

O.21 DERRICK CRANE

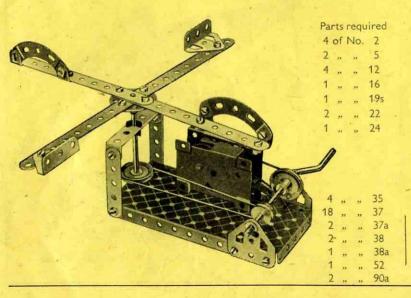
Parts required 4 of No. 2 2 of No. 38 2 48a 2 126a 2 " " 37a

The construction of the model's commenced by bolting 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 Flat Bracket, and is fastened to a second Flat Bracket bolted to the Flanged Plate by means of a 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

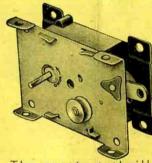


O.24 MERRY-GO-ROUND



2 of No. 126 Parts required 2 " "126a 3 of No. 2 Magic Motor (not in Outfit.)

THE MECCANO MAGIC MOTOR

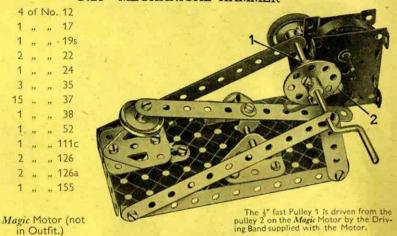


The greatest thrill in Meccano model-building is experienced when a model is set to work by means of a Meccano Magic Motor. The illustrations on this page show how the Magic Motor can be fitted without any difficulty to No. O Outfit models of various types. Fit the model you have just built with one 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 " " 126a

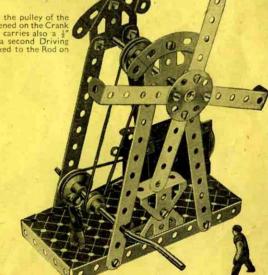
O.23 MECHANICAL HAMMER

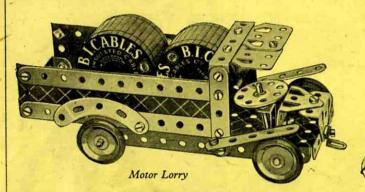


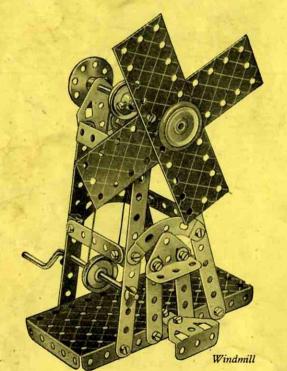
WINDMILL

A Driving Band connects the pulley of the Magic Motor to a 1" Pulley fastened on the Crank Handle. The Crank Handle carries also a 2" Pulley, which is connected by a second Driving Band with a further 1" Pulley fixed to the Rod on which the sails are mounted. Parts required 4 of No. 2 1 ,, ,, 24 3 ., ,, 35

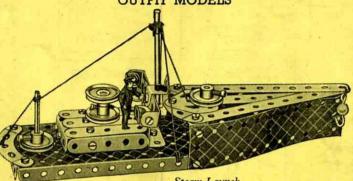
. 18 " " 37 2 " " 38 2 " " 48a Magic Motor (not in Outfit)







A SELECTION OF MECCANO NO. 1 OUTFIT MODELS



Steam Launch

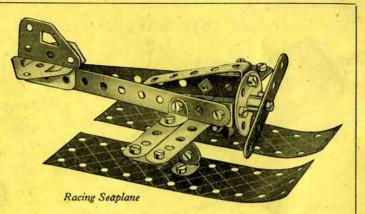
HOW TO CONTINUE

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 Strips.	24"		***	•••	***	2
12	Angle Brackets,	× +	***	***	***	***	
16	Axle Rods, 34"	***	***	***	***	***]
17	Axle Rods. 2		***	***	***	***]
22 34	Pulleys, 1" diam.		ss and	screw	***	***	2
	Advisor .	***	***	***	***	***	1
	Delte 7 *	***	***	244	***	***	6
38	Washers	***	1	***	***	***	2
40	Hanks of Cord		***			***	1
57c	Hooks, Loaded, S		1	***		***	1
111c	Bolts, #"	•••		•••			2
125	Reversed Angle I	Brackets	s, 4"	***		***	1
155	Rubber Rings for	1" Pul	leys		***	***	2
189	Flexible Plates, 5	1"×11"		***	***		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