

# MECCANO

TRADE MARKS 206321, 501113, 76, 12633, 10274, 55/13476, 569/13, 884/25, 2913, 80, 124/336, 4174, 91637, 83171, 157149, 32822, 200639, 209793, 214061, 214062, 12892, 20064, 33316, 1816, 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, 41234, 8223, 1855

HORNBY'S ORIGINAL SYSTEM—FIRST PATENTED 1901

## INSTRUCTIONS

FOR OUTFITS

00 to 0



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No. 33.0

English Edition

# MECCANO

## The Finest Hobby in the World for Boys

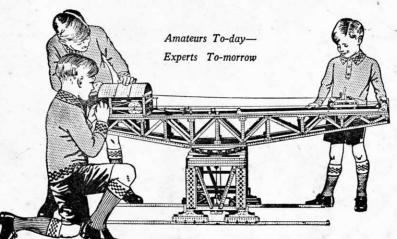
The Meccano system is composed of over two hundred and fifty different parts, mostly made of steel or brass, each one of which has a specific mechanical purpose. These parts combine to form a complete miniature engineering system with which practically any mechanical movement may be reproduced in model form. More can be accomplished with Meccano than with any other constructional toy, for no other system has such possibilities.

There is no limit to the number of models that can be built with Meccano-Cranes, Clocks, Motor Cars, Ship-Coalers, Machine Tools, Locomotives-in fact everything that interests boys. The most wonderful feature about the system is that it is real engineering in miniature.

Make the simple models first-they will provide hours of fun-and then try to improve them. Every model can be made in a dozen different ways. It is important to screw up all the nuts and bolts tightly to ensure that your models will be strong and firm when they are completed.

## How to Build up Your Outfit

Meccano is sold in ten different Outfits, numbered 000 to 7. All Meccano parts are of the same high quality and finish, but the larger Outfits contain a greater quantity and variety of parts, making possible the construction of more elaborate models. Each Outfit from No. 00 upwards may be converted into the one next



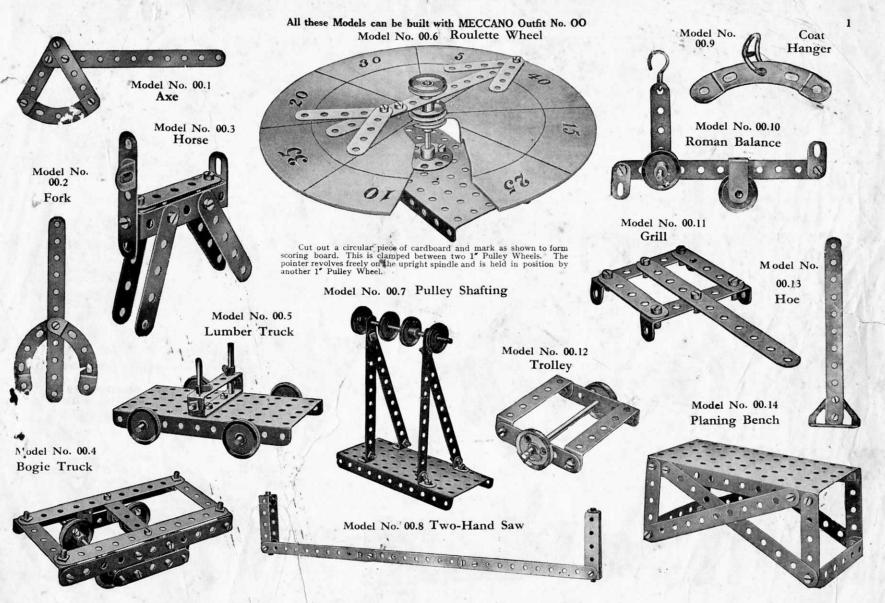
higher by the purchase of an Accessory Outfit. Thus, a No. 00 may be converted into a No. 0 by adding to it a No. 00A. A No. 0A would then convert it into a No. 1, and so on. In this way, no matter with which Outfit you commence, you may build it up by degrees until you possess a No. 7 Outfit. It is important to remember that Meccano Parts may be bought separately at any time in any quantity from your Meccano dealer.

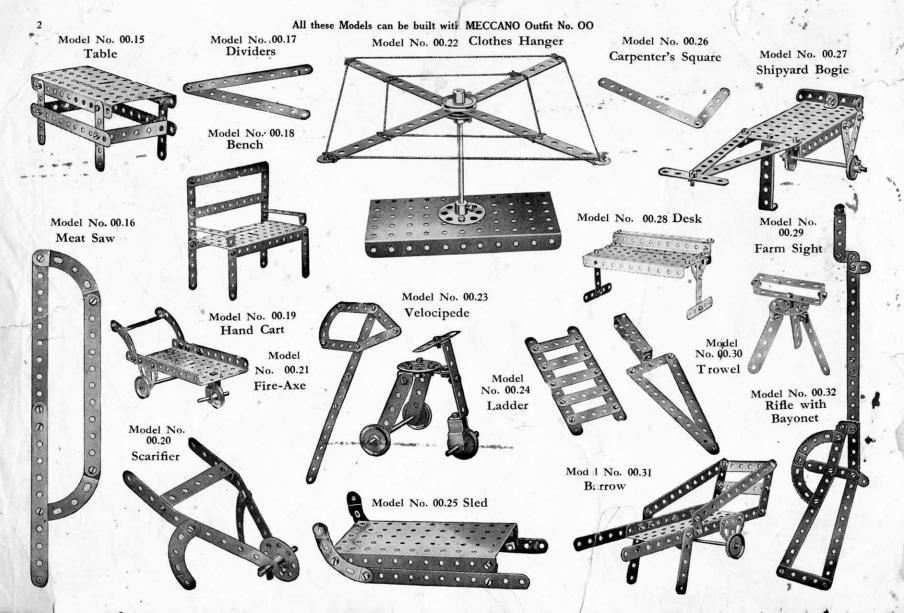
## The "Meccano Magazine"

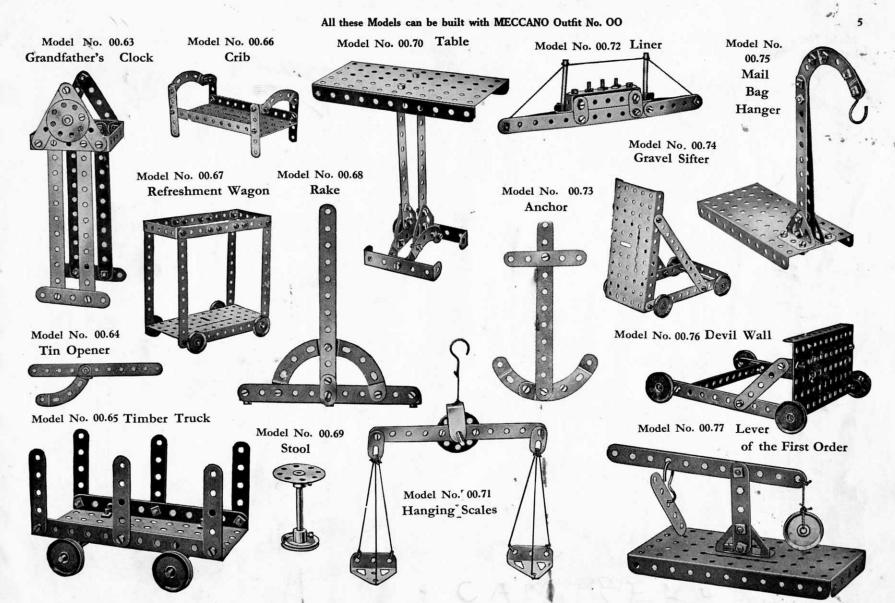
The "Meccano Magazine" is essential to the full enjoyment of the Meccano hobby. A section of it is devoted to the Editor's replies to his readers' enquiries; the progress of Meccano clubs throughout the world is reported; and full details are given of the latest model-building achievements. In addition, a wealth of informative articles on all subjects of interest to boys is included in every issue. The publishing date is the first of each month. If you are not already a reader of the "M.M." write to the Editor for full particulars, or order a copy from your Meccano dealer or from any newsagent.

#### 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. 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 many years of hard-earned experience, is at your service. We want the Meccano boy of to-day to be the famous engineer of to-morrow.







All these Models can be built with MECCANO Outfit No. OO

Model No. 00.94 Field Roller

The cord is wound once round a 2" Axle Rod that is journalled in a Flat Bracket and a \( \frac{1}{4}\) Reversed Angle Bracket, which are bolted to the Plate. If the cord is held loosely the plate will drop, but as soon as the cord is tightened the plate becomes immovable.

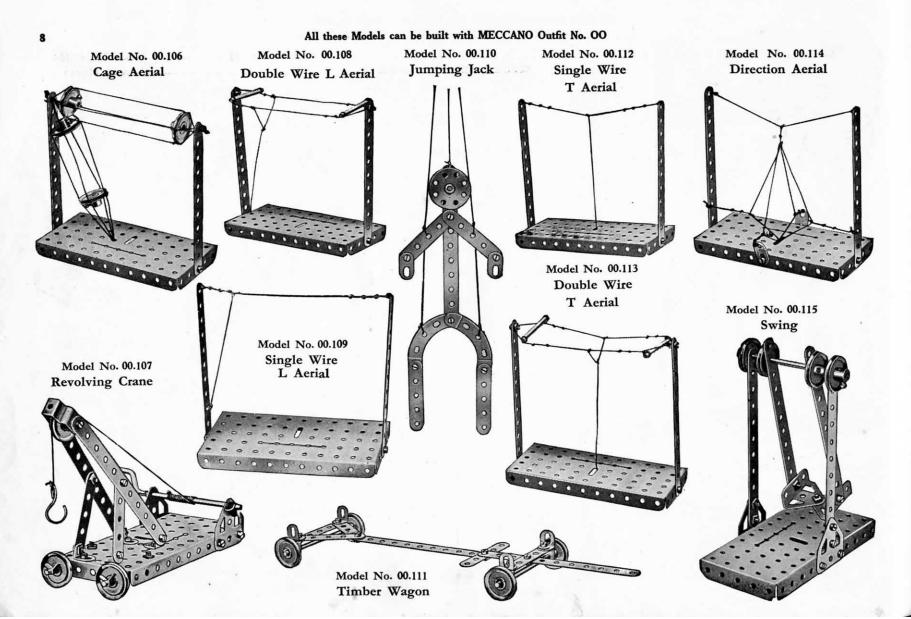
Scales Model No. 00.97

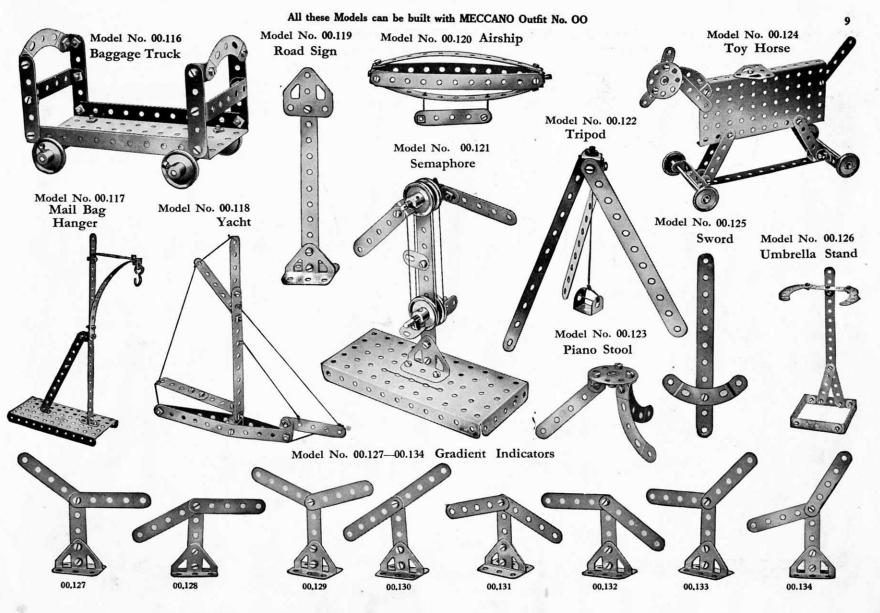
Model No. 00.95 Organ

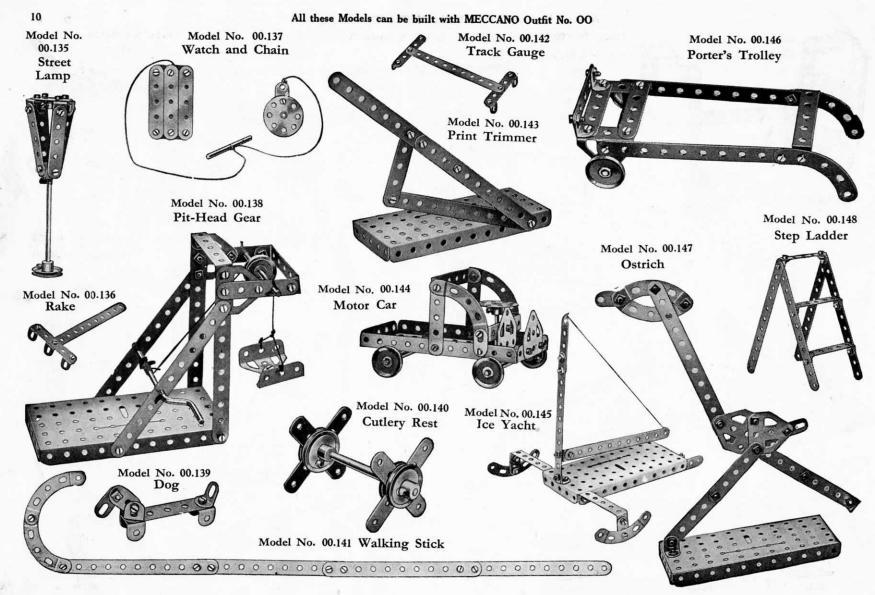
> Model No. 00.98 Book End

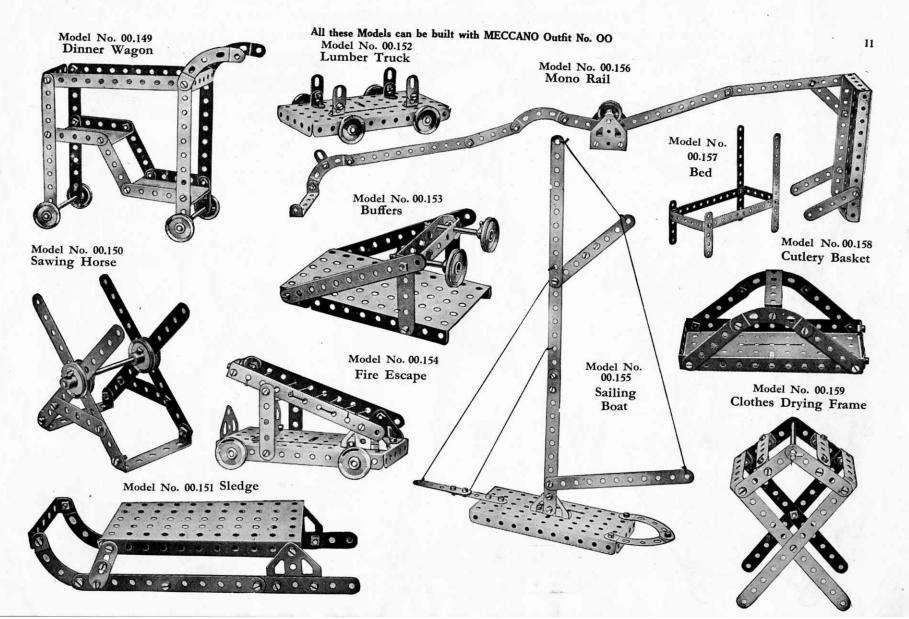
Model No. 03.96 Radial Travelling Crane

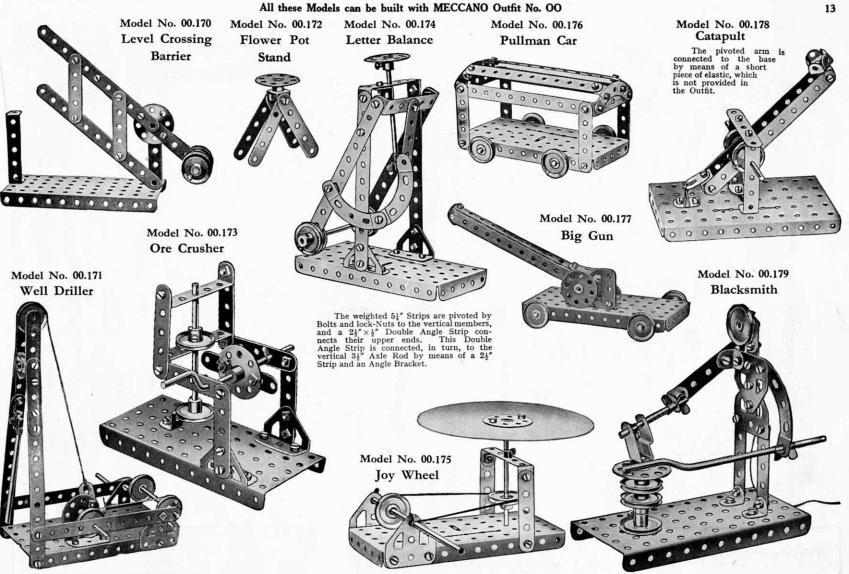
> Model No. 00.99 Cheese Cutter









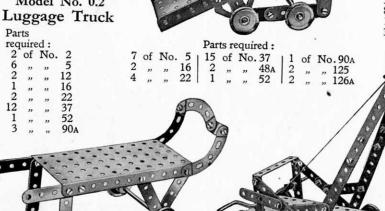


#### HOW TO CONTINUE

This completes our examples of models that may be made with MECCANO Outfit No. OO. 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. OOA Accessory Outfit, the price of which may be obtained from any Meccano dealer.

#### meccanoindex.co.uk These Models can be built with MECCANO Outfit No. O (or No. OO and No. OOA) Model No. 0.1 Scooter Model No. 0.4 Push Cart Model No. 0.7 Dog Kennel Parts required: Parts 1 of No. 52 required: of No. 16 4 of No. 2 Parts required: of No. 2 111c Model No. 0.5 Horse Rake Model No. 0.3 Tipping Cart Parts required:

Model No. 0.2



## No. 2 | 2 of No. 35 5 16

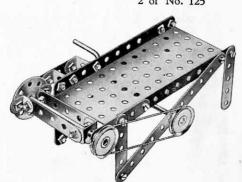


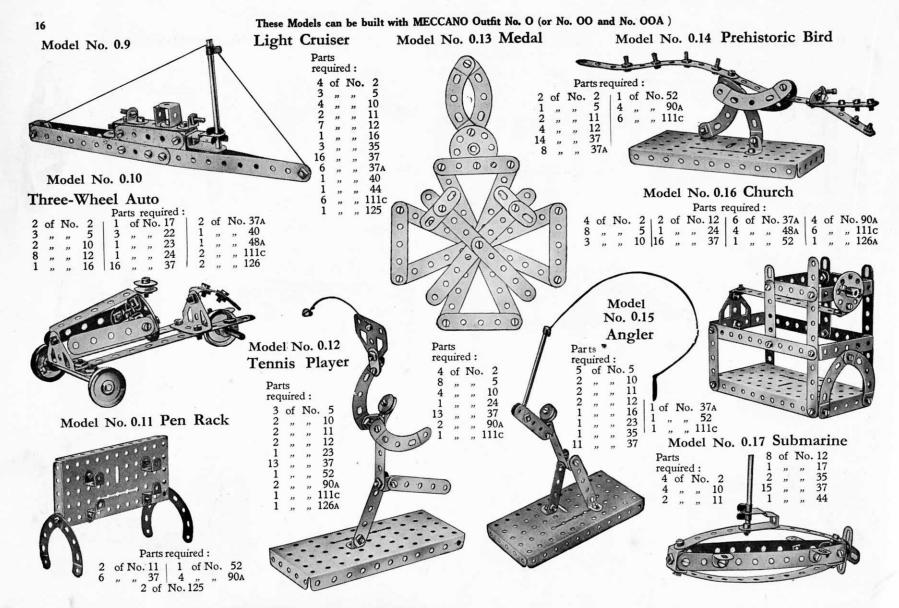
#### Model No. 0.8 Chaff Cutter

Parts required:

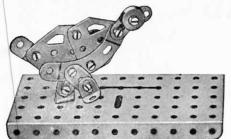


Jib Crane 4 of No. 22 required:



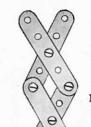


#### Model No. 0.18 Goose

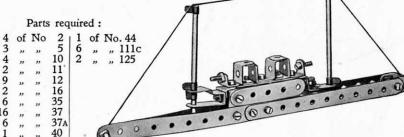


Par	ts uire	ed:	
4	ec-secon	No	. 10
2	,,	,,	12
1	,,	,,	23
8	"	"	37
1	"	"	37A 52
2	"	"	90A
1	,,	,,	111c
2	,,,	"	100

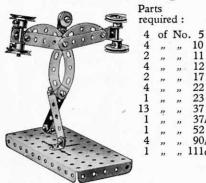
#### Model No. 0.22 Lazy Tongs



#### Model No. 0.23 Battleship



Model No. 0.19 Strong Man

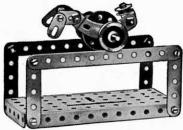


Model No. 0.20 Aeroplane



37A		Parts required:						
52	4	of	No.	2	8	of	No	. 37
90 <sub>A</sub>	3	,,	,,	5	1	,,	,,	111c
111c	2	,,	,,	12	2	,,	,,	125
	1	,,	,,	24	1	,,	,,	126A

Model No. 0.24 Gymnast



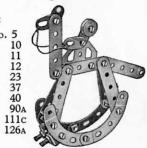
Parts required:

-					-		
2	of	No.	2	1	of	No.	24
4	,,	,,	5	12	,,	,,	37
4	,,	"	10	1	,,	,,	37A
1	,,	"	12	1	"	,,	52
1	,,	"	16	1	"	"	90A
2	,,	"	22	1	"	,,	1110
1	,,	"	23				

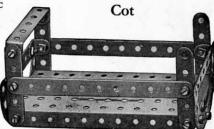
Par req		ed:	
2	of	No.	2
6	,,	,,	5
2	"	"	12
16	,,	"	37
2	,,	,,	48A
1	"	"	52

Parts required:

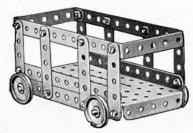
Model No. 0.25



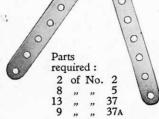
Model No. 0.26

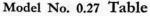


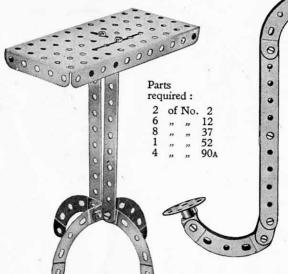
#### Model No. 0.21 Cattle Truck



4	of	No	
8 2 4	,,	,,	5
2	"	,,	16
4	,,	,,	22
16	,,	,,	37
2	,,	,,	37A
2	,,	,,	48A
1	,,	,,	52
2	,,	,,	111c







Parts required: 2 of No. 2

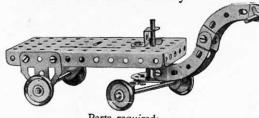
Model

No. 0.29

" 111c

Saxophone

## Model No. 0.30 Trolley



			Part	s re	ani	red:				
of	No	. 11	4	of	No	. 35	4	of	N	o. 90a
,,	,,	16	12	,,	,,	37	1			125
,,	,,	17	1	,,	**	48A	2	,,		126 <sub>A</sub>
,,	,,	24	1	,,	,,	52			**	

Model No. 0.31 Field Gun and Carriage

Parts required: of No. 5 | 6 of No. 12 | 1 of No. 37A

Model No. 0.32 Bucking Broncho



Model No. 0.33 Ape

## Model No. 0.34 Gangway Parts required:

				-dery			
4	of	No	. 2	16	of	No	. 37
2	2 "	,,	5	2	,,	,,	37A
2		,,	10	1	,,	,,	40
2	,,	,,	12	2	,,	12	48A
1	,,,	,,	19s	1	,,	,,	52
- 1			23	1			111.

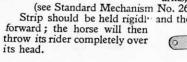
## Model No. 0.28 Crocodile

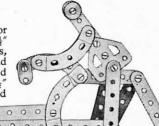
required:

4	of	No.	2	6	of	No	o. 12
4	,,	,,	5	16	,,	,,	37
4	,,	,,	10	6	,,	22	37A
2	,,	,,	11	6		,,	111c

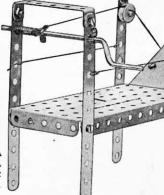
its head.

connecting the 5½" Strips, the horses' legs, and the rider's legs and arms, are all locknutted (see Standard Mechanism No. 262). The lower 51/2" Strip should be held rigidly and the upper one jerked



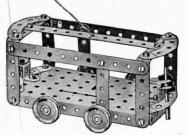


Parts required: 10 23 37 37A



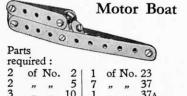
The Bolts used for

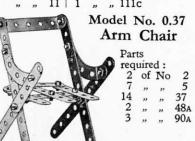
Model No. 0.35 Tramway Car



		Par	ts r	equir	ed:		
3	of	No.	2	16	of	No	. 37
6	,,	,,	5	6	,,	,,	37A
2 2 2 4	,,	,,	10	2	,,	,,	48A
2	"	,,	16	1	,,	,,	52
2	,,	,,	17	4	,,	,,	90a
	,,	,,	22	6	,,	,,	111c
6	,,	,,	35	2	,,	,,	125

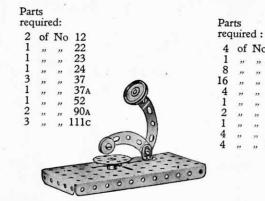
#### Model No. 0.36



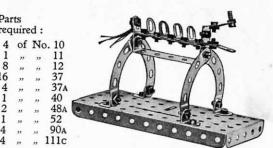


Model No. 0.38 Torpedo Boat

Parts required: Model No. 0.40 t Gramophone

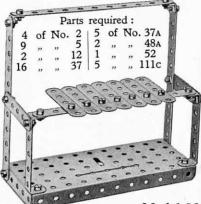


Model No. 0.43 Prehistoric Armadillo

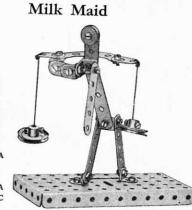


Model No. 0.44 Motor Cycle and Side Car

#### Model No. 0.39 Piano



5	of	No	
3	,,	,,	10
2	"	,,	11
4 2	"	,,	12
2	"	22	22
1	,,	,,	23
14	,,	,,	37
1	,,	,,	37A
1	,,	.,	40
1	,,		52
1			90A
1		**	111c



Model No. 0.41



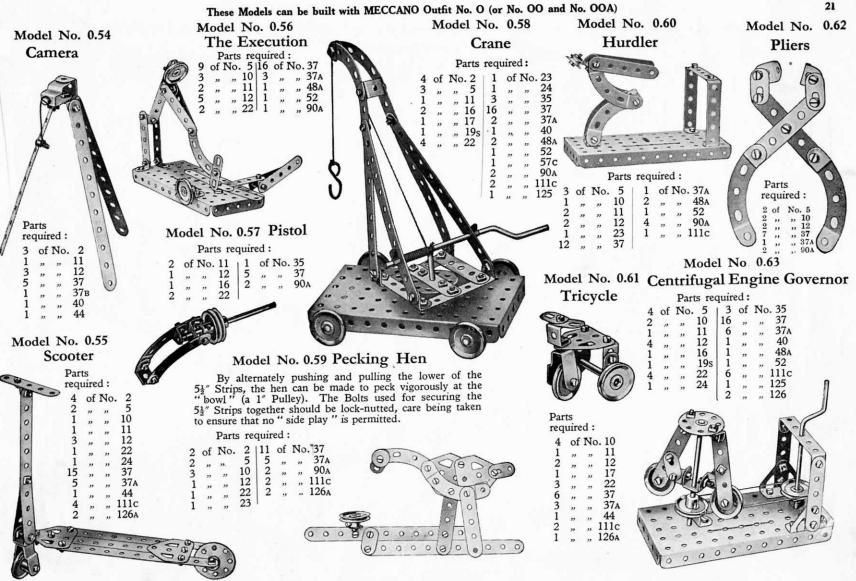
		Pari	ts re	quire	ed:		
1	of	No.	5	10	of	No	. 37
4	,,	,,	10	1	,,	,,	37A
2	,,	,,	11	1	,,	,,	44
3	,,	,,	12	3	22	,,	90 <sub>A</sub>
1	,,,	,,	16	1	,,	,,	111c
3	,,	"	22	1	,,	,,	125
1	,,	"	23	1	,,	,,	126A

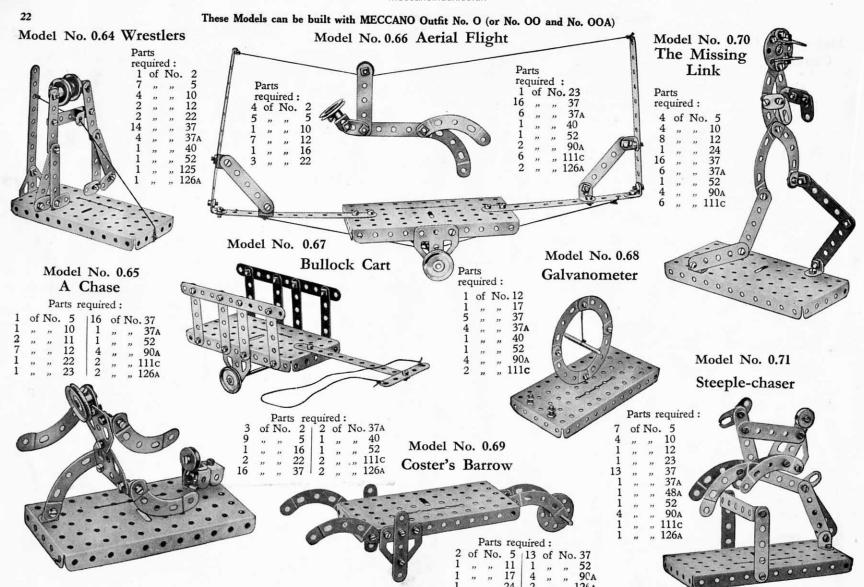
Model No. 0.42 Sword

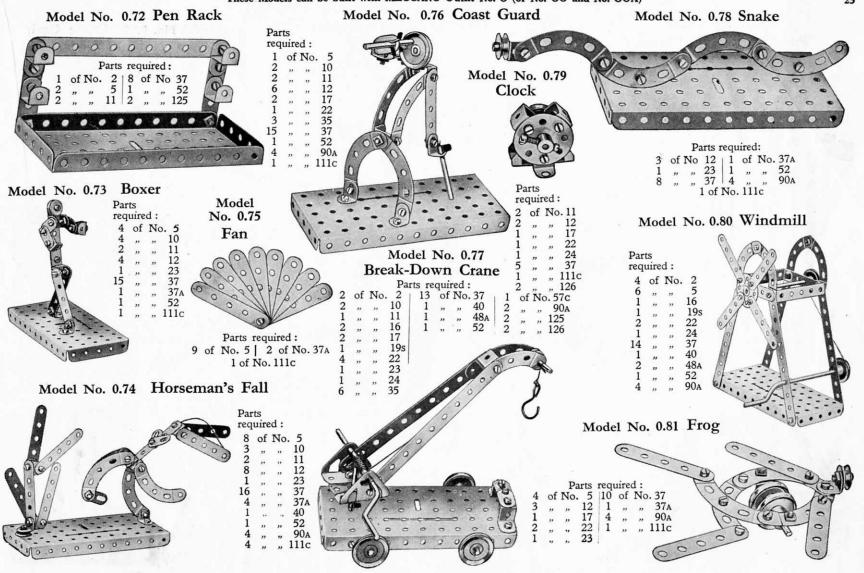
Parts required: 4 of No. 2 | 10 of No. 37 | 3 of No. 90A



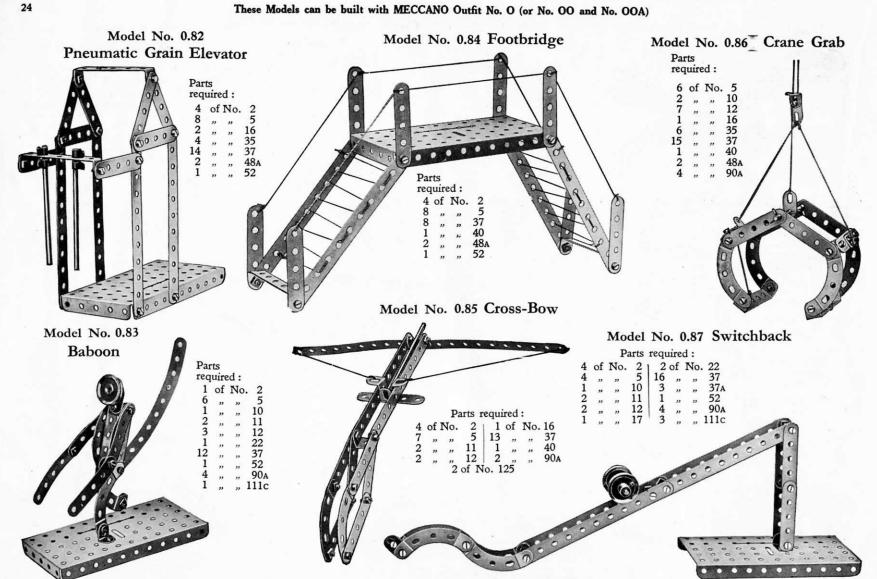


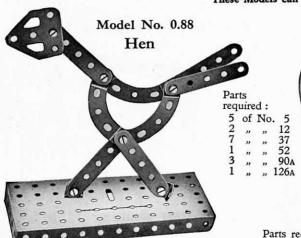






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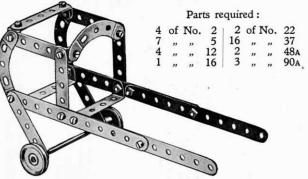




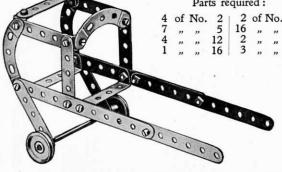
Model No. 0.89 Grass Cutter

Parts required: 2 of No. 2

#### Model No. 0.90 Rickshaw

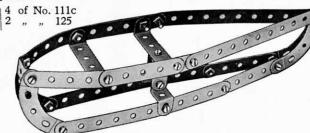


#### Model No. 0.91 Rowing Boat

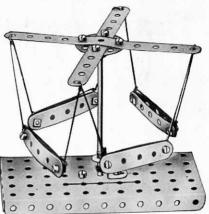


#### Parts required:

4	of	No.	2	4
6 2 1	,,	,, :	5	2
2	,,	,,	10	1
	,,	,,	11	
16	,,	"	37	
4	,,	"	37A	
1	,,	"	44	
1 2	,,	,,	48a	
4	,,	,,	90a	



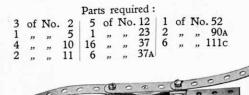
## Model No. 0.93 Fly Boats

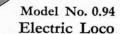


#### Parts required:

2	of	No.	2	13	of	No	. 37
8	,,	,,	5	1	,,	,,	40
1	,,	,,	16	1	,,	,,	52
1	,,	No.	24	1	,,	,,	125

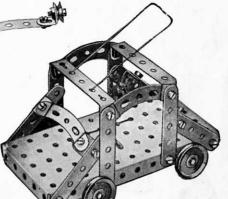
## Model No. 0.92 Dinosaurus



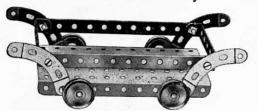


Parts required:

8	of	No	. 5	14	of	No.	37A 48A 52 90A 111c	,
4	,,	,,	12	2	,,	,,	48A	
2	,,	,,	16	1	,,	,,	52	
4	"	,,	22	4	,,	,,	90a	
16	"	"	37	14	,,	,,	111c	



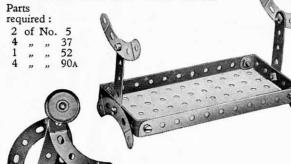
#### Model No. 0.95 Trolley



## Parts required: 2 of No. 2 | 8 of No. 37

2 " " 16 2 " " 48. 4 " " 22 1 " " 52 4 of No. 90A

#### Model No. 0.96 Pen Rack

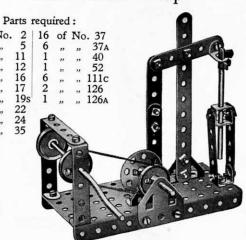


Model No. 0.97 Walking Man

> Parts required:

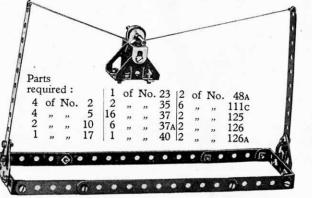
5	of	No.	5
3	,,	,,	10
2	,,	,,	12
1	,,	,,	22
7	,,,	,,	37
3			90

#### Model No. 0.98 Pump

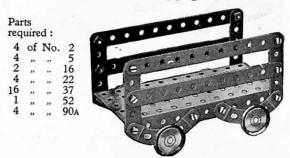


The connecting Strip is pivoted by Bolts and Nuts at one end to the Bush Wheel and at the other end to the cross beam. The latter is pivoted by the same means to the upright.

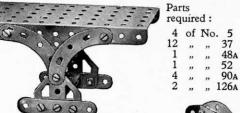
#### Model No. 0.99 Aerial Ropeway



#### Model No. 0.100 Luggage Truck

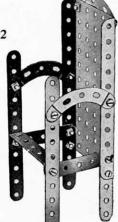


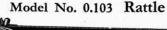
#### Model No. 0.101 Drafting Table

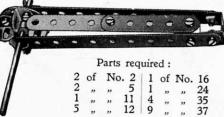


Model No. 0.102 Arm Chair

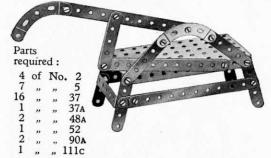








## Model No. 0.104 Shearing Machine



#### Model No. 0.105 Anchor

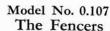


Model No. 0.106

#### **Portal**

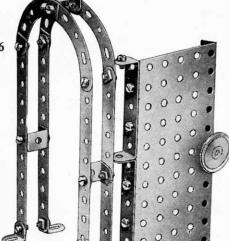
Parts required:

4 of No. 2
2 " " 11
8 " " 12
1 " " 22
16 " " 37
6 " " 37
2 " " 48
1 " " 52
4 " " 90
6 " " 111c

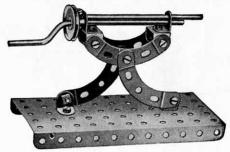


Parts required:

8 of No. 5 | 16 of No. 37 2 " " 10 | 4 " " 37A 6 " " 12 | 1 " " 52 2 " " 16 | 4 " " 111c 2 " " 22 | 2 " " 125



Model No. 0.108 Machine Gun



Parts required:

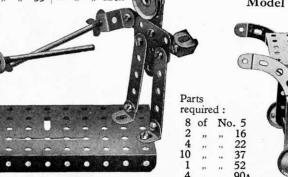
2 of No. 11 | 1 of No. 22 4 ,, 12 | 12 ,, 37 1 ,, 16 | 1 ,, 52 1 ,, 19s | 4 ,, 90a

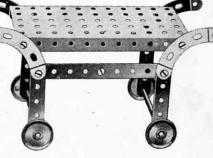
Model No. 0.109 Single Sheave Pulley Block

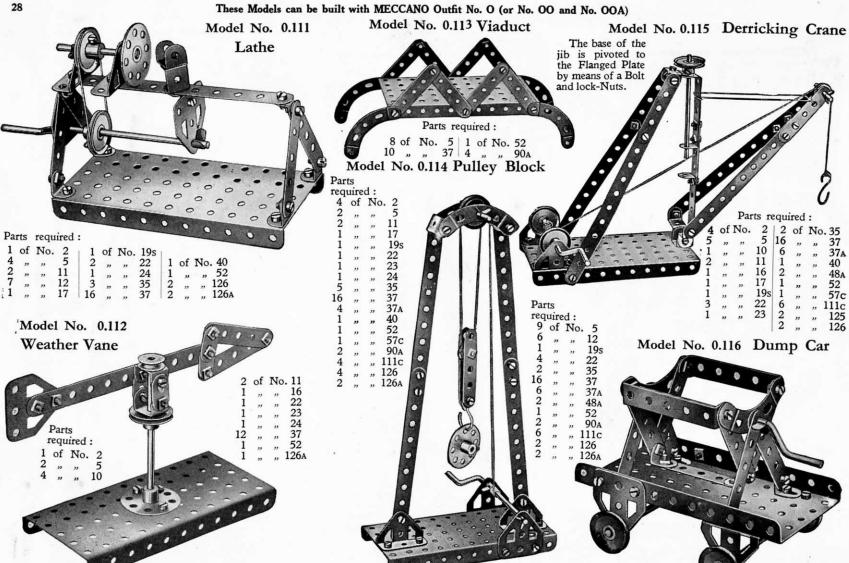


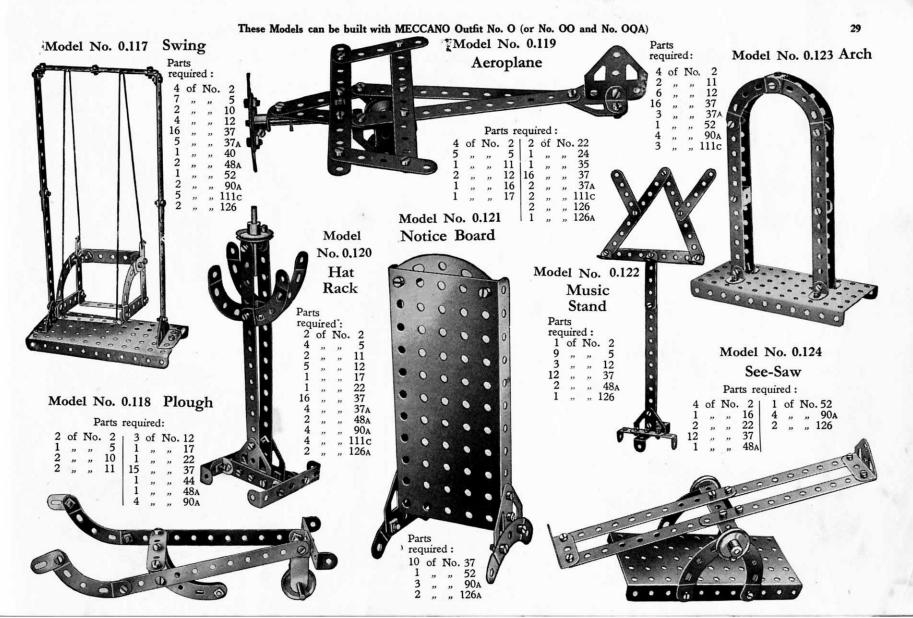
Parts required:
2 of No. 5 | 7 of No. 37A
1 ,, 23 | 1 ,, 57c
3 of No. 111c

Model No. 0.110 Tea Wagon





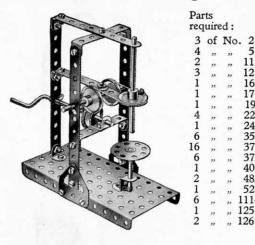


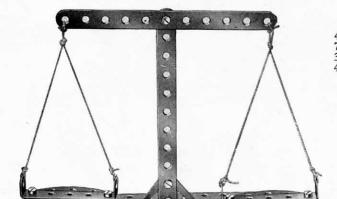


Model No. 0.127 Scales

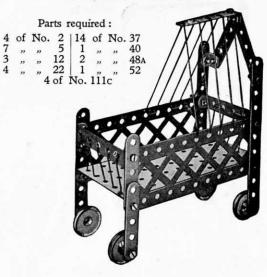
#### These Models can be built with MECCANO Outfit No. O (or No. OO and No. OOA)

#### Model No. 0.125 Drilling Machine



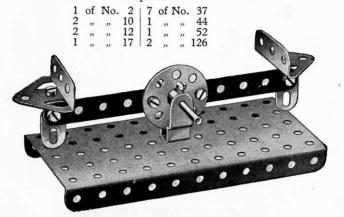


#### Model No. 0.129 Cot



#### Model No. 0.126 Counter Scales

Parts required:



#### Parts required:

2	of	No.	2	2	of	No.	48A
9	,,		37		,,	,,	52
1	,,	,,	37A	4	,,	,,	90a
1			40	1			126

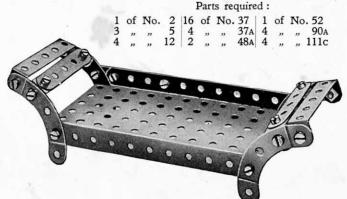
Model No. 0.128 Single Sheave Pulley Block



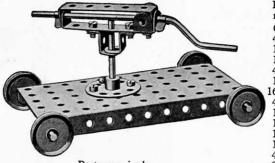
Parts required: 1 of No. 23

#### Model No. 0.130 Couch

Parts required:



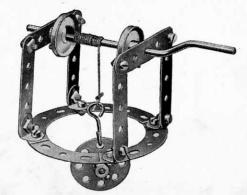
#### Model No. 0.131 Rock Drill



#### Parts required:

1	of	No.	11	4	of	No	22 24 35 37	2	of	No	. 48A
2	,,	,,	16	1	,,	,,	24	1	,,	.,,	52
1	,,	,,	17	2	,,	,,	35	2	,,	,,	125
1			195	5	200		37				

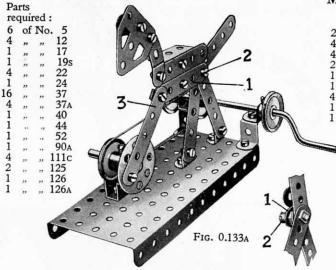
#### Model No. 0.132 Well Windlass



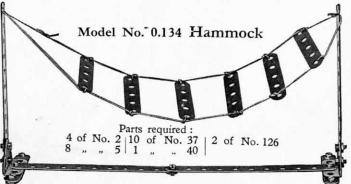
#### Parts required:

6	of	No.	5	2	of	No.	22	1	of	No.	40 57c <sup>3</sup> 90 <sub>A</sub>
4	,,	,,	12	1	"	,,	24	1	,,	,,	57c3
1	,,	,,	19s	12	,,	,,	37	4	**	**	90A

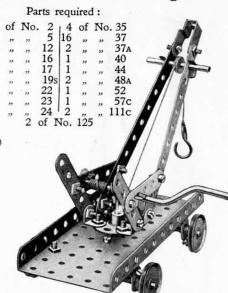
#### Model No. 0.133 Prancing Horse



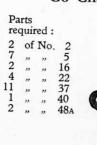
The Strip 1 forming part of the body is free to move about the Bolt 2, but two Nuts on the latter secure the rear legs and tail rigidly together. The arrangement of the various Strips about this Bolt 2 is shown more clearly in 0.133A. The Strip 3 is free to move at each end about pivots formed from Nuts and Bolts.

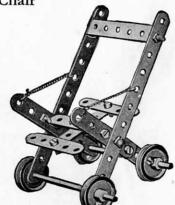


#### Model No. 0.135 Swivelling Crane



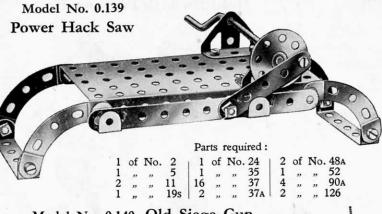
Model No. 0.136 Go Chair





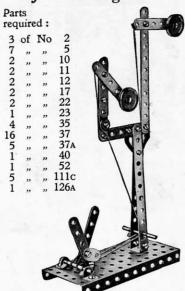








### Model No. 0.141 Junction Signal



#### Model No. 0.142 Battleship

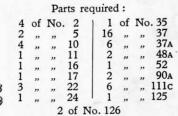
### Model No. 0.138 Sled

Parts required:

6 of No. 37 | 1 of No. 52 1 " 48a | 4 " " 90a

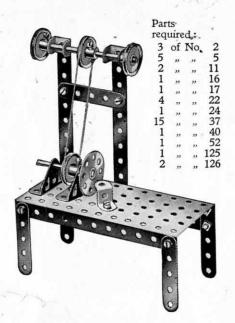
Parts required:
-----------------

3	of	No.	2	1	of	No.	24
1	,,	,,	11	16	,,	,,	37
4	,,	,,	12	2	,,	,,	37A
1	,,	,,	15	2	,,	,,	48A
1 2 4	,,	,,	16	1	,,	,,	52
4	,,	,,	22	4	**	,,	90a
		2	of 1	No.	111	C	

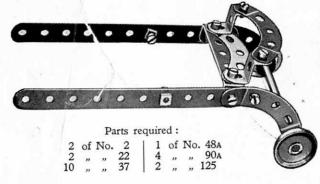




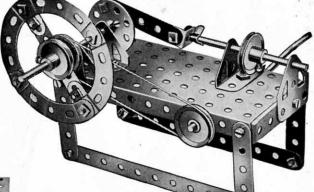
#### Model No. 0.143 Bench Lathe



### Model No. 0.145 Sulkey



## Model No. 0.146 Horizontal Engine



## Model No. 0:148 Bath Chair .

Parts required:

4 of No. 5 | 16 of No. 37

2 " " 12 | 2 " " 48A

2 " " 16 | 1 " " 52

4 " " 22 3 " " 90A

2 of No. 126

Model No. 0.147

**Punching Machine** 

required: 3 of No. 2

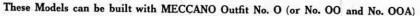
## Model No. 0.144 Bench

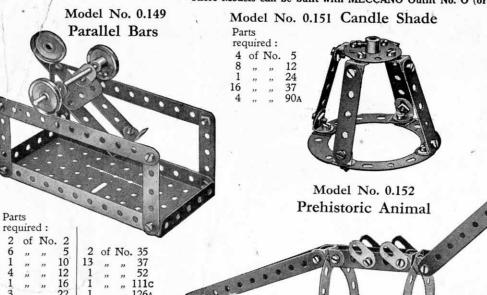
Parts required:

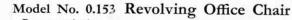
2 cf No. 2 | 1 of No. 52 8 " " 37 | 4 " " 90A

Parts required:

2 of No. 2 | 4 of No. 22 6 " " 5 | 1 " " 24 | 1 of No. 52 2 " " 10 | 3 " " 35 | 4 " " 90A 1 " " 12 | 16 " " 37 | 5 " " 111c 2 " " 16 | 5 " " 37A | 2 " " 126A







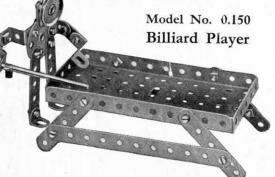
		P	arts	req	uii	ea:			
3	of	No.	5		2	of	No	. 37A	_
1	3	22	12		2	,,	,,	48A	_
1	1,	,,	17		4	,,	,,	90a	Ω
2	,,	,,,	22		2	,,	,,	111c	
1	"	,,,	24		2	,,	,,	126	П
6	,,	,,	37		1	,,	,,	126A	м
									70

Parts

required:
4 of No. 2



Model No. 0.154 Bridge



Parts required:

2	of	No.	. 2
6	,,	,,	5
3	,,	,,	10
5	22	"	12
1	"	"	16
1	,,	,,	22
1	' ,,	,,	24
2	,,,	,,	35
16	,,	,,	37
5	"	,,	37
5	,,	,,	1110
2	,,	,,	125

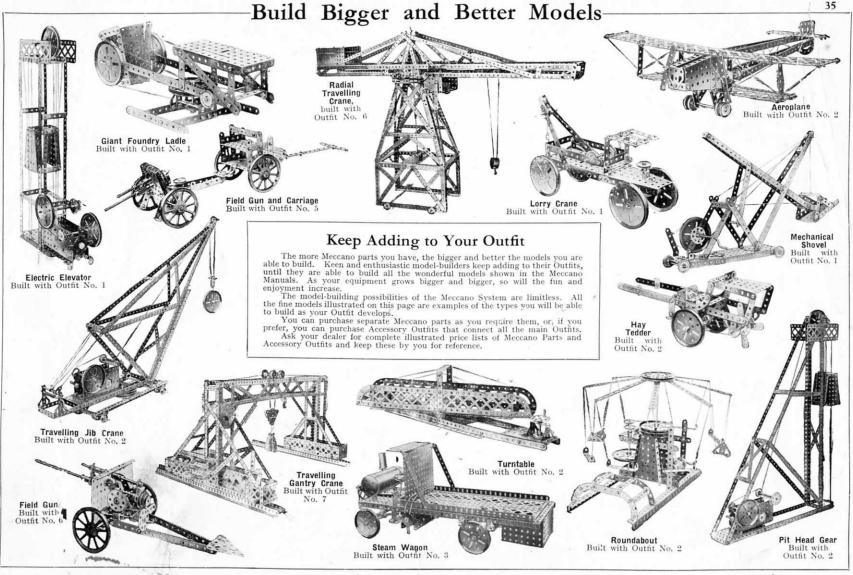
Parts required:
of No. 2 | 4 of No. 37A
" " 5 | 2 " " 48A
" " 12 | 1 " " 52

4 of No. 111c

#### HOW TO CONTINUE

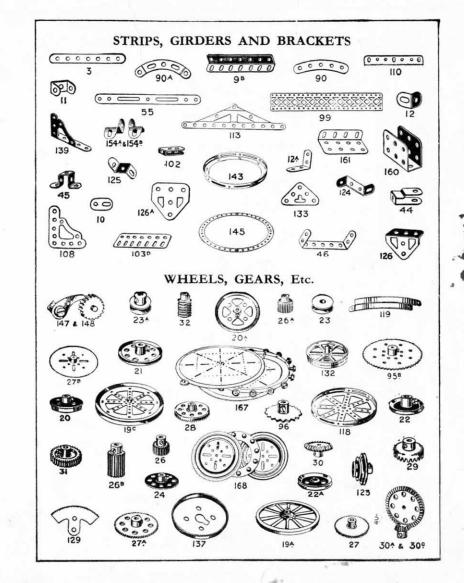
This completes our examples of models that may be made with MECCANO Outfit No. O (or No. OO and No. OOA). The next models are a little more advanced, requiring extra parts to construct them. The necessary parts are all contained in a No. OA Accessory Outfit, the price of which may be obtained from any Meccano dealer.





## Particulars of Meccano Parts

	l'alticulais of	MICCIAIIO I alis
	Perforated Strips	No.
io.		38. Washers
1 -	121" 3. 31"	40. Hanks of Cord
la.	91" 4. 3"	40. Hanks of Cord 41. Propeller Blades
1b.	71. 5. 21	43. Springs
2	54 6, 2	44. Cranked Bent Strips
2a.	41 6a. 11	
	12½	Double Angle Strips
7.	244 9a, 44	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
7a.	18½ 9b. 3½"	47 21" \ 11" 48b 31" \ 1"
8.	12¼"/ 9c. 3"	470 27 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Sa.	91" 9d. 21"	48 11 V1" 48d. 51"×1"
Sb.	71" 9e, 2"	50a. Eye Pieces, with boss
9.	51," 9f, 11,"	52. Perforated Flanged Plates, 5½" × 2½"
10.	Flat Brackets	52a. Flat Plates, 5½" × 3½"
11.	Double Brackets	52 Perforated Flanged Plates 3* × 2*
12.	Angle Brackets, ½" × ½"	53a. Flat Plates, 4½"×2½"
12a.	,, i'×1"	54. Perforated Flanged Sector Plates
12b.	1"×½"	55. , Strips, slotted, 5½" long
	Axle Rods	
13.	11½" 16a. 2½"	57. Hooks
13a.	8" 16b. 3"	57a Scientific
14.	6½" 17. 2"	57h Loaded Large
15.	5" 18a. 1½"	57c. " Small
15a.	4½" 18b. 1"	50 Spring Cord
16.	31"	58a. Coupling Screws for Spring Cord
19.	Crank Handles, Large	58b. " Hook for Spring Cord
19s.	,, Small	59. Collars with Set Screws
19a.	Wheels, 3" diam., with set screws	61. Windmill Sails
20.	Wheels, 3" diam., with set screws Flanged Wheels, 1 k" diam	69 Cranks
205.	1"	62a. Threaded Cranks 62b. Double Arm Cranks
	runey wheels	62b Double Arm Cranks
19b.	3" dia with centre boss and set screw	63. Couplings
19c.	6"	63a. Octagonal Couplings
20a.	2" ,, ,, ,,	63b. Strip Couplings
21.	6" " " " " " " " " " " " " " " " " " "	63c Threaded Couplings
22.	1, , , , , ,	63c. Threaded Couplings 64. Bosses
23a.	1 " " " " " " " " " " " " " " " " " " "	65. Centre Forks
22a.	1" ,, without ,, ,,	66 Weights 50 grammes
23.	1" " " " "	65. Centre Forks 66. Weights, 50 grammes 67. "25" "35" "45" "55" "55" "55" "55" "55" "5
24.	Bush Wheels	68. Woodscrews, ‡"
25.	Bush Wheels Pinion Wheels, 3" diam., 4" wide """"""""""""""""""""""""""""""""""""	69 Set Screws
25a.	., ,, 1" ,, 1" ,,	69a. Grub Screws, 5/32"
25b.	., ,, 1" ,, 1" ,,	69b 7/32"
26.	n n 1" n 1" n	70. Flat Plates, 51" × 21"
26a.	1" 1"	72 21"×21"
26b.	., , ½" ,, ¾" ,,	73 3"×11"
	Gear Wheels	76. Triangular Plates, 24"
27.	50 teeth to gear with 7" pinion	77. ", ", "1"
27a.	57 ,, ,, ,, \\\\\\\\\\\\\\\\\\\\\\\\\\\\	Screwed Rods
27b.	133 ,, ,, ,, <u>1</u> " ,,(3 <u>1</u> " diam.)	70 1117   800 31"
27c.	95 ,, ,, ,, ½" ,,(2½" diam.)	79. 8 80b. 41 79a. 6" 81. 2"
28.	Contrate Wheels, 1½" diam	79a. 6" 81. 2"
29.		80. 5" 82. 1"
30.	Bevel Gears, 4", 26 teeth	50. 0
30a.	., ., \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	89. 54" Curved Strips,10" radius
30c.	Gear Wheels 50 teeth to gear with 3" pinion 57 133 , , , , , , , , , , , , , , , , , ,	89a. 3", cranked, 1\frac{1}{4}" radius 4 to circle
31.	Gear Wheels, 1", 38 teeth	radius, 4 to circle
32.	Worms	89b. 4" ,, ,, cranked, 4½" radio 90. 2½" ,, ,, 2¾" radius
54.	Spanners	90. 2½" ,, ,, 2¾" radius
54b.	Box Spanners	90a. 21" Curved Strips, cranked, 11"
55.	Spring Clips	radius, 4 to circle
36.		94. Sprocket Chain
16a.	", Extra Long ", Special	95. Sprocket Wheels, 36 teeth, 2" diam
36D.	Special	
91.	Nuts and Botts, 1/32	95a. , , , , 28 , 1½ , , , , , , , , , , , , , , , , ,
) / a.	Nuts	96 18 1"



PLATES  76  109  146  77  146  77  77
RODS, CRANKS and COUPLINGS
134 64 166 121 116A 144 165
17 17 170 170 170 170 170 170 170 170 17
136 140 140 116 116 MISCELLANEOUS
151 152 153 43 158 A 66267 142A
41 57 122 57 157 157
106 104 104 151 142 N 59 104
159 57A CHARLES 105 65 115
165 34 GD 34 SOA 114

## Particulars of Meccano Parts (continued)

No.			ricceano raits (continuea)
			No.
97.	Braced Girders, 31" long		*138az Shins' Funnele Polest
97a	. " " 3" "		139. Flanged Brackets (right)
98.	91"		139a. (left)
99.	. ", "121" ",		139a. (left) 140. Universal Couplings
99a	. " " 91" "		
995	, , , , , , , , , , , , , , , , , , ,		141. Wire Line (for suspending clock weights) 142. Rubber Rings, 3" rim 142a. Motor to fit 2' diam. rim 142b. " 3" " " " " " " " " " " " " " " " " "
100.	). ,, ,, 7½″ ,, ,, ,, 5½″ ,,		142. Rubber Rings 3" rim
100a	. Hailds for leave		142. Rubber Rings, 3" rim
101.		•••	142a. Motor to fit 2" diam, rim
102.		***	142b. " " 3" " " " 142c. " " 1" " " " " " " " " " " " " " " " "
103.	Single Bent Strips	***	
103.	Flat Girders, 51" long	***	142d. ", ", 1½" ", "
	. " " 94" "	***	142d. "," 1½" "." 143. Circular Girders, 5½" diam
103b	. ", ", 121, ",	***	144. Dog Clutches
103c	44	***	145. Circular Strips, 71" diam over all
103d	31"		146 Plates 6"
103e.	9"		146a, 4" "
103f.	21"		143. Circular Girders, 5½" diam.  144. Dog Clutches  145. Circular Strips, 7½" diam. over-all  146. "Plates, 6""  147. Pawls, with pivot bolt and nuts
103g	. ", ", 2", ",		147a. Pawls
103h	· " " 1½" "		147b. Pivot Bolt with 2 nuts
103k	" " :: " ;; ··· ···		148. Ratchet Wheels
104.	Shuttles, for looms		
105.		***	150 Control of the Electric Loco
106.	Wood Dallana	***	
	C 1 D 11	***	101. Fulley Blocks, Single Sheave
107.		***	152. " " Two
108.	Tables for Designing Machines		
109.	Architraves	* * *	154a. Corner Angle Brackets, 1", right
	Face Plates, 21" diam	***	
110.	Rack Strips, 31"	***	154b. Corner Angle Brackets 1" 1-41
110a.	· - ' - ' 6½"		
111.	Bolts, 4"		156. Pointers 21" over all with h
111a.	Rack Strips, 3½"  Bolts, 2"  Girder Frames		156. Pointers, 2½ over all, with boss 157. Fans, 2″ diam.
111c.	" ł"		158a. Signal Arms, Home
113.	Girder Frames		158b. Distant
114.	Hinges		150 C: ", ", Distant
115.	Threaded Pins		160. Channel Bearings 11% 15
116.	Early Diagram T	***	161. Girder Brackets 9" 1" × 1" × 1"
116a.	Fork Pieces, Large	***	
117.	Steel Delle 1" diam	***	boner, complete with ends
118.		***	102a, ends
119.	Channel Comments (O. 1.		1020 Without ande
119.	Channel Segments (8 to circ		
100	11½" diam.)	***	104. Chimney Adaptors
120.	Buffers		105. Swivel Bearings
120a.	Spring Buffers	***	
120b.			10%. Geared Roller Rearings
121.	Irain Countings		167a. Roller Races geared 100 4-41
122.	Miniature I and ad Casta		167b. Ring Frames for Pollers
123	Cone Pullevs	***	
124.	Deversed Angle Deschots 18		
125.	1"		Dan Dearings, 4 diam
126.			naces, nanged disc
126a.	Flat Trunnions	• • • •	
127.		• • •	
128.	D D !! C !		
129.	Boss Bell Cranks		110. Eccentiles, 4 throw
130.	Rack Segments, 3" diam		
	Triple Throw Eccentrics		172. Pendulum Connection
131.	Dredger Buckets		173. Rail Adaptor
132.	Flywheels, 2 diam		174. Grease Cups
133.	Corner Brackets		175. Flexible Coupling Unit
133a.	Corner Brackets, 1°		176. Anchoring Spring for Meccano Cord
134.	Crank Shafts, 1" stroke		177. Shafting Standard Lorge
135.	Theadalite Destaurations		onerting Standard, Large
136.	II 1-1 C		,, Small
			179. Handrail Socket
	" Coupling		180 Toothed Coor Di-
136a.			100. Toothed Gear King
136a. 137.	Wheel Flanges		
	Wheel Flanges	**	181. Bobbins

# MECCANO

Hornby's Original System, First Patented 1901

#### PATENTS AND DESIGNS

Great I	Britain	Great Britain	Great Britain	Great Britain
250,378	366,921	671.534	683,011	740,413
253,236	368,975	671.790	698,054	740,723
323,234	369,337	680,416	718,404	767,865
356,567	671,484	682,208	718,731	777,900
365,701	671,485	682,209	733,541	1
		665 034	733 542	M. 1

No Outfit is Genuine unless it bears the Trade Mark MECCANO

#### CONTENTS OF No. O OUTFIT

No		Quant	ity.	No.		Quan		No.	Quantity•
2.	5½" Perforated Strips	34	4	23.	1 Pulley Wheel (without	Set-screw)	1	48A. 2½"×½" Double A	ngle Strips 2
5.	2½" ,, ,,		9	24.	Bush Wheel		1	52. Perforated Flanged	Plate, $5\frac{1}{2}'' \times 2\frac{1}{2}''$ 1
10.	Flat Brackets		4	34.	Spanner		1	57c. Hook loaded (small	) 1
11.	Double ,,		2	35.	Spring Clips		6	90a. Curved Strips, 2½"	Small Radius 4
	Angle ,, $\frac{1}{2}$ " $\times \frac{1}{2}$ "		8	36.	Screwdriver		1	111c. Bolts, 3"	6
16.	3½" Axle Rods		2	37.	Nuts and Bolts, 32"		16	125. ½" Reversed Angle	Brackets 2
17.	2" ,, ,,		2	37A	Nuts		6	126. Trunnions	2
199	. Crank Handle, Small 31" Shaf	t	1	40.	Hank of Cord		1	126A. Flat Trunnions	2
22.	1" Pulley Wheels (with Set-scr	rew)	4	44.	Cranked Bent Strip		1	Instruction Manuel	No. 00/0
							100		