

MECCANO

TRADE MARKS 296321, 501113, 76, 12633, 10274, 55/13476, 569/13, 884/25, 2)13, 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

HORNBY'S ORIGINAL SYSTEM—FIRST PATENTED 1901



INSTRUCTIONS

Price 10 Cents

FOR BUILDING No. 0 OUTFIT MODELS

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Canadian Branch: Meccano Ltd., 34, St. Patrick Street, Toronto

No. 31.00A

CANADIAN EDITION

MECCANO

This Meccano 00A Accessory Outfit converts your No. 00 Outfit into a No. 0, and enables you to build the splendid models illustrated in this Manual. As a Meccano enthusiast, you will realise that our examples do not exhaust the possibilities of your Outfit. It is no exaggeration to say that the possibilities of Meccano are limitless—there is always something new that you can invent and build, and most models can be constructed in many alternative ways. In addition to the fascination and satisfaction obtained by building new models, you can enter them in the model-building competitions that are a regular feature of the "Meccano Magazine." These competitions are open to all Meccano boys, and valuable prizes are offered.

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 "Meccano Magazine" write to the Editor for full particulars, or order a copy from your Meccano dealer or from any newsagent.

How to Progress Further

When you desire to build the bigger and better models that the No. 1 Outfit makes, it is only necessary for you to purchase a No. 0A Accessory Outfit. In turn, a No. 1A Accessory Outfit will convert your equipment into No. 2, and so on. As you progress by these easy stages, you will obtain an increasing variety of perfectly-made engineering parts—Gear Wheels, Pulleys, Worms, Couplings, Cranks and many others—until ultimately you attain the ambition of every Meccano enthusiast and possess a No. 7 Outfit.

CONTENTS OF No. O OUTFIT (No. 00 Outfit and No. 00A Accessory Outfit combined) No. Quantity. No. Quantity. Quantity. No. 23. 1" Pulley Wheel (without Set-screw) 1 48A. 21" × 1" Double Angle Strips .. 2 2. 51" Perforated Strips 52. Perforated Flanged Plate, 5½" × 2½" 1 24. Bush Wheel .56в. Manual of Instructions No. 0 . . 1 34. Spanner 10. Flat Brackets Double ... 35. Spring Clips 90A. Curved Strips, 21" Small Radius 4 36. Screwdriver Angle 111c. Bolts, 3" 6 37. Nuts and Bolts, 7." 16. 31" Axle Rods 125. ½" Reversed Angle Brackets ...

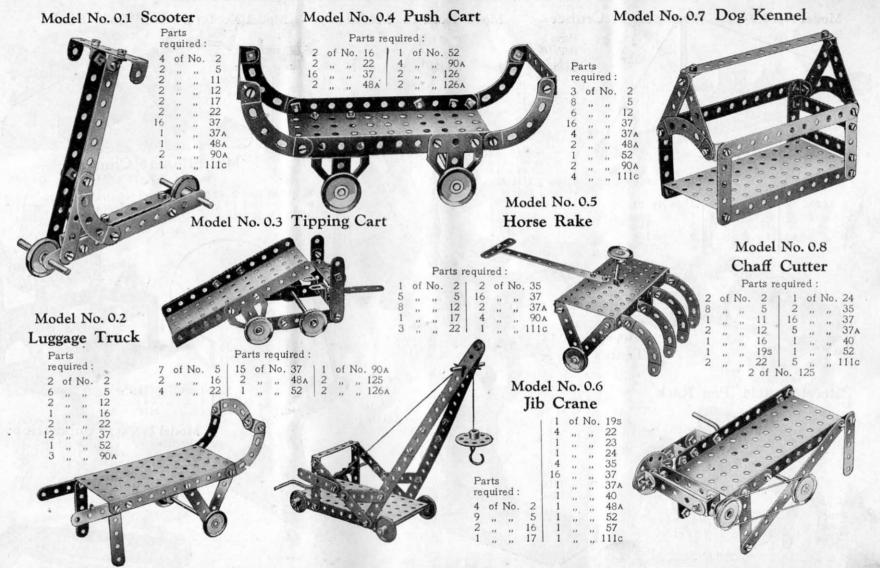
126. Trunnions

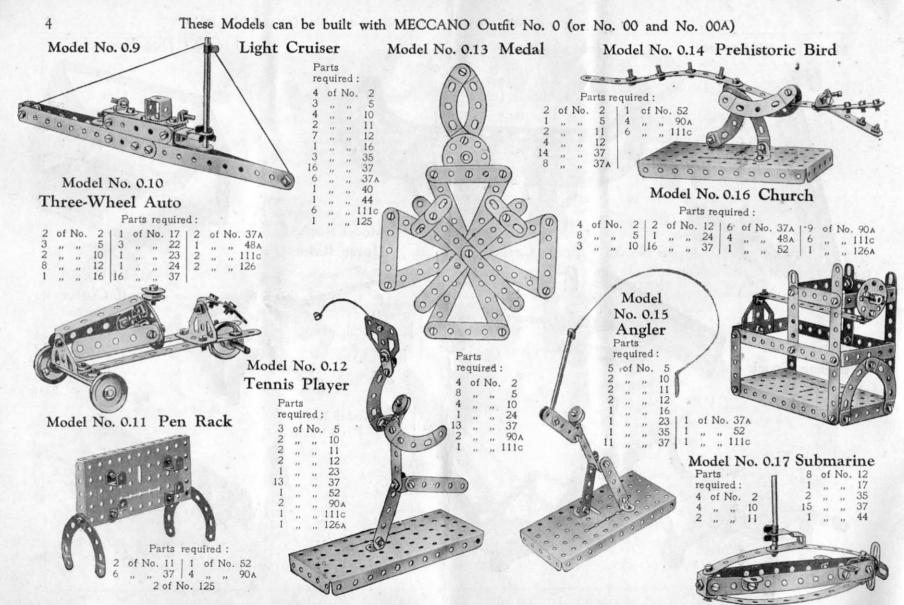
126A. Flat Trunnions ...

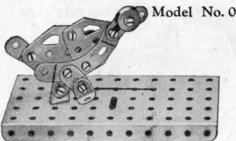
40. Hank of Cord

44. Cranked Bent Strip

Crank Handle, Small 3½" Shaft
 1" Pulley Wheels (with Set-screw)







Model No. 0.18 Goose Model No. 0.22

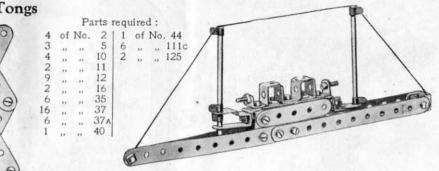
Parts

required:

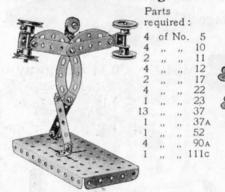
4 of No.

	Lazy	T
10	0	1
2	1/01	0

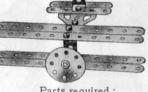
Model No. 0.23 Battleship



Model No. 0.19 Strong Man



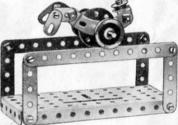
Model No. 0.20 Aeroplane



Par	ts	re	qui	red	:	
			1	155 1725	20.2	

4	of	No.	2	8	of	No	. 37	
3	,,	,,	5	1	**		111c	
2	**	,,	12	2	**	**	125	
1	,,	,,	24	1	,,	11	126A	

Model No. 0.24 Gymnast

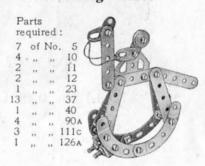


Parts required:

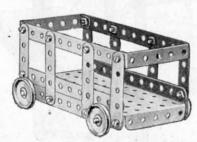
					40.00	-	
2	of	No.	2	1	of	No.	24
4	**	,,	5	12	,,	,,	37
4	,,	"	10	1	,,	,,	37
-1	.,,	**	12	1	,,,	,,	52
1	,,	,,	16	1	,,	**	90
2	,,	,,	22	1	,,		111
1			23				

Parts

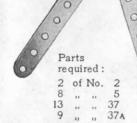
Model No. 0.25 Rocking Horse



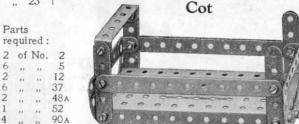
Model No. 0.21 Cattle Truck



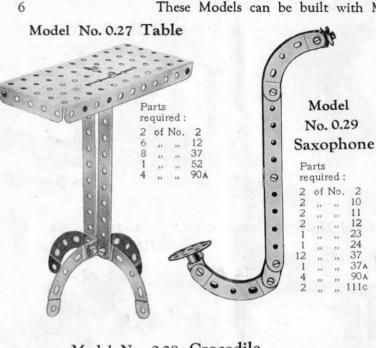
Parts required:

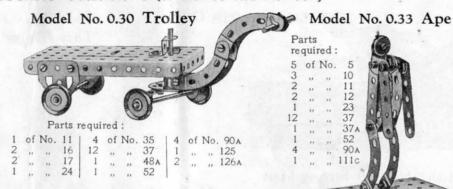


Model No. 0.26



of No. 5





Model No. 0.31 Field Gun and Carriage



2 of No. 17

Model No. 0.34 Gangway

1	Parts	requi	red	
		- od ar		ė.

4	of	No.	2	16	of	No.	37
2	,,	,,	5	2	,,		37A
2		.,	10	1	. ,,	,,	40
2	,,	,,	12	2		,,	48A
1	,,,	"	19s	1	.3	,,,	52
1	,,	,,	23	1	**	,,	1110
3			35	1	-	-	

Model No. 0.28 Crocodile

0000

	Par	ts	re	qui	re	d	:	
f	No	15	1	6		of	N	^

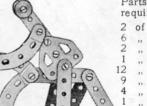
16 37

" " 37A

Model No. 0.32 Bucking Broncho

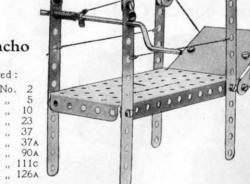
The Bolts used for connecting the 51" Strips, the horse's legs, and the rider's legs and arms, are all lock-nutted (see Standard Mechanism No. The lower 51" Strip 262).

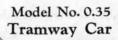
should be held rigidly and the upper one jerked forward; the horse will then throw its rider completely over its head.

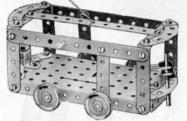


Parts required: 2 of No. 2 23 37 ,, ,, 37A

,, ,, 125







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

Model No. 0.36 Motor Boat

Parts required:

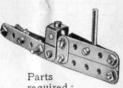
	dan						
2	of	No.	2	1	of	No.	
2	,,	,,,	5	7	,,	,,	37
3	,,,	,,	10	1	,,	,,	37A
1			11	1			111c

Model No. 0.37



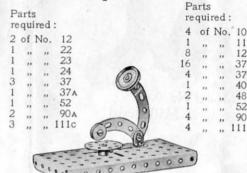


Model No. 0.38 Torpedo Boat

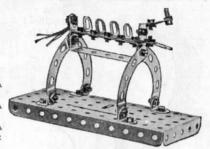


	arts qui	red:	
2	of	No.	
2	,,	"	5
3	"	"	10

Model No. 0.40 Gramophone

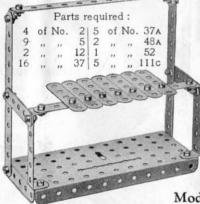


Model No. 0.43 Prehistoric Armadillo



Model No. 0.44 Motor Cycle and Side Car

Model No. 0.39 Piano



Model No. 0.41 Milk Maid

			20	2	
5	O.	D.C.	1		
10 11 12	701		10	1	
12 22 23 37		(0	
37A 40	.5				-
52	1	- 36	-	Po	

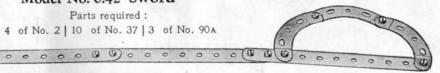
	Pa	arts	requi	red	:	
of	No.	5	10	of	No.	37
,,	,,	10	1	,,	,,	37
,,	"	11	1	,,	"	44

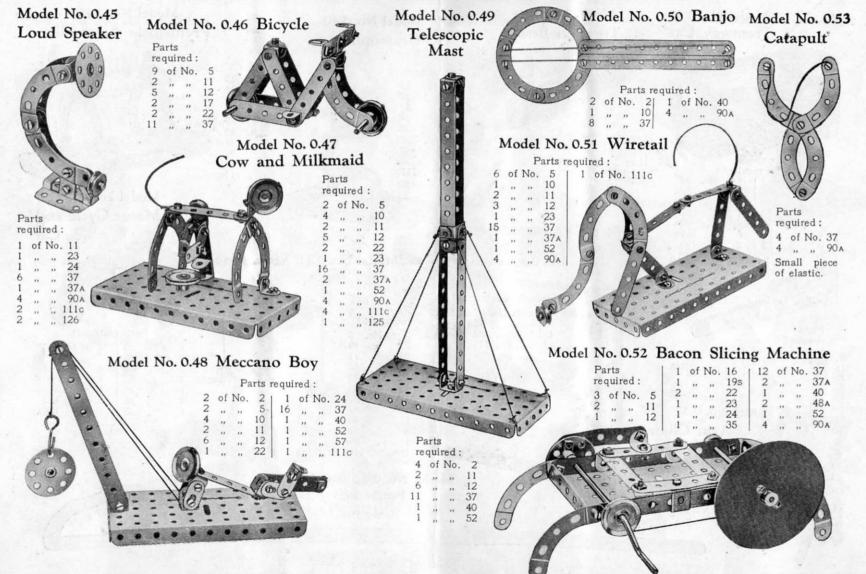
Model No. 0.42 Sword

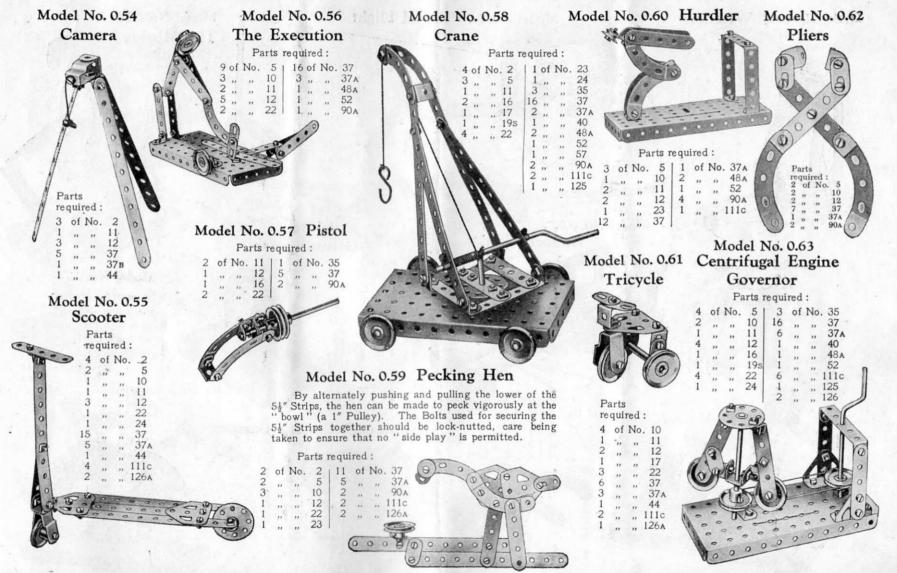
Parts required:

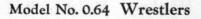
5 of No.

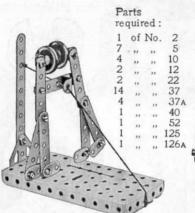
Parts required: 4 of No. 2 | 10 of No. 37 | 3 of No. 90A

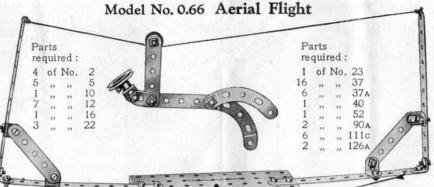












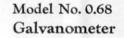
Model No. 0.70 The Missing Link
Parts required:
A of No. E

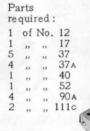
4	,,	"	10	
8	"	. ,,	12	
1	,,	**	24	
16	,,	,,	37	
6	,,,	"	37A	
1	,,	"	52	
4	,,	"	90 A	
6	,,	,,	111c	

Model No. 0.65 A Chase

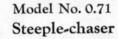
Parts	required	:
	rodamon	

1	of	No.	5	16	of	No.	37
1	,,	,,	10	-1	,,	,,	37A
2	"	,,	11	1	,,	,,	52
7	,,	"	12	4	,,	,,	90 A
1	,,	"	22	2	22	"	111c
1	,,	,,	23	2	"	,,	126A





000



		Pa	rts r	equi	rec	1:	
7	of	No.	5	1	of	No.	37A
4	,,	**	10	1	,,	,,	48A
1	,,))	12	1	"	,,	52
1	,,	22	23	4	12	,,	90 A
13	,,,	"	37	1	,,	11	111c
				1	,,	**	126A



Bullock Cart

Model No. 0.67

3	of	No.	2	2	of	No.	37A
9	,,		5	1		,,,	40
1	"	"	16	1	,,	,,	52
2	"	,,	22	2	,,		111c
16			37	2			126A





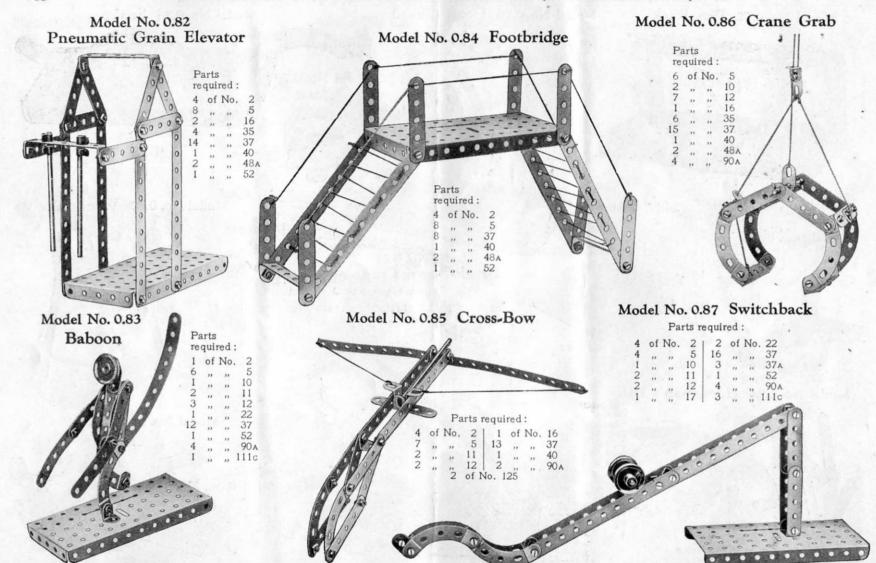
rans required.							
No	0.	5 1	13	of	No.	37	
,,	. 1	1	1	,,	No.	52	

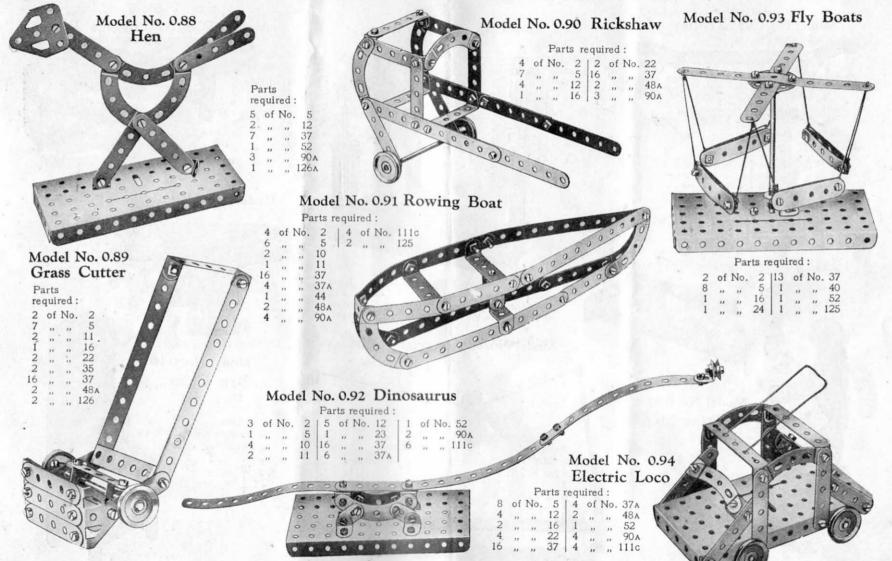




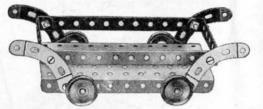


These Models can be built with MECCANO Outfit No. 0 (or No. 00 and No. 00A) 11 Model No. 0.72 Pen Rack Model No. 0.76 Coast Guard Model No. 0.78 Snake Parts required: 0000000 1 of No. 5 Parts required: Model No. 0.79 8 of No. 37 Clock Parts required: 3 of No. 12 | 1 of No. 37A ,, 37 4 ,, ,, 90A 1 of No. 111c Model No. 0.73 Boxer required: Model No. 0.80 Windmill Model of No. 11 No. 0.75 required: Fan Model No. 0.77 Parts required: Break-Down Crane Parts required: 13 of No. 37 Parts required: 9 of No. 5 | 2 of No. 37A 1 of No. 111c Model No. 0.74 Horseman's Fall Parts Model No. 0.81 Frog required: Parts required: of No. 5 | 10 of No. 37 111c





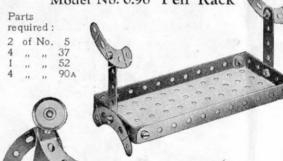
Model No. 0.95 Trolley



Parts required:

2	of	No.	2	18	of	No.	37
2	**	,,,	16		22	"	48A
4	.,	,,	22	1	,,		52
		4	of	No	90		

Model No. 0.96 Pen Rack

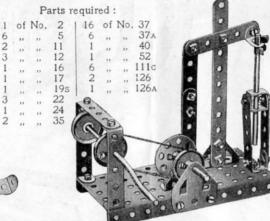


Model No. 0.97 Walking Man

Parts required:

5	of	No.	5
3	,,	11	10
2	"		12
1	"	"	22
7	11	33	37
3	22	23	90 A

Model No. 0.98 Pump

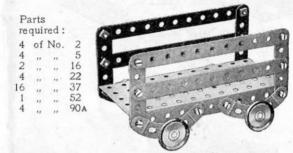


The connecting Strip is pivoted by Bolts and Nuts at one end to the Bush Wheel and at the other end to the cross beam. The latter is pivoted by the same means to the upright.

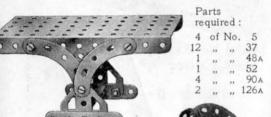
Model No. 0.99 Aerial Ropeway



Model No. 0.100 Luggage Truck



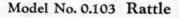
Model No. 0.101 Drafting Table

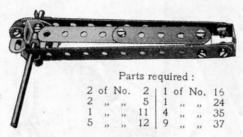


Model No. 0.102 Arm Chair

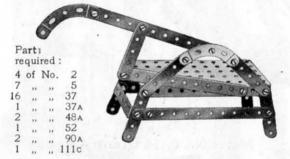
Parts required: 2 of No. 2 4 " " 5 12 " " 37 1 " " 48A 1 " " 52 3 " " 90A



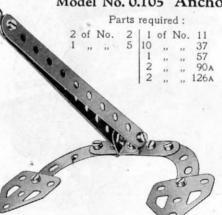




Model No. 0.104 Shearing Machine



Model No. 0.105 Anchor



Model No. 0.106 Portal

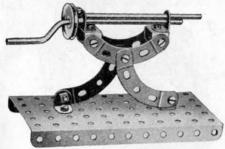
4	of	No.	. 2
2	,,	,,	11
8	,,,	,,	12
1	**	"	22
16	**	,,,	37
6	,,	"	37 A
2	"	,,,	48A
1	"	,,	52
4	**	33	90A
6	"	"	111c

Model No. 0.107 The Fencers

Parts required

		of	No.		16	of	No.	
4	4	**	11	10	4	11	2.5	37A
(5	11	**	12	1	33	22	52
2	2	**		16	4	.,,	**	111c
1	2	,,	,,	22	2	,,	,,,	125
4	1	,,	,,	35	12	,,	,,	126A
,								APP
								100 mg
						4	and the same of	9

Model No. 0.108 Machine Gun



Parts required:

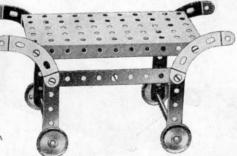
2	of	No.	11	1	of	No.	22
4	,,	,,	12	12	,,	,,	37
1	,,	,,	16	1	,,,	,,	52
1		,,	19s	4			90A

Model No. 0.109 Single Sheave Pulley Block



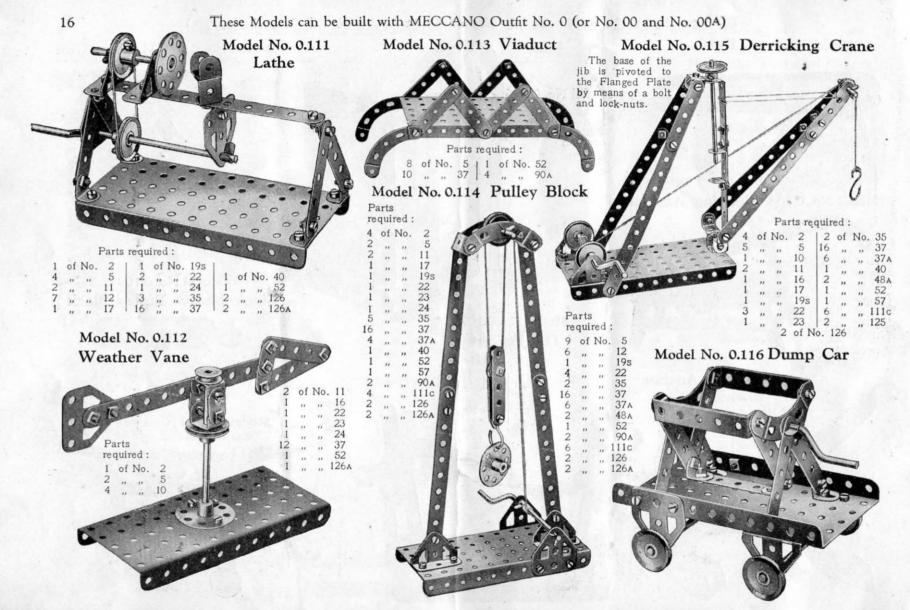
Parts required:
2 of No. 5 | 7 of No. 37A
1 ,, 23 | 1 ,, 57
3 of No. 111c

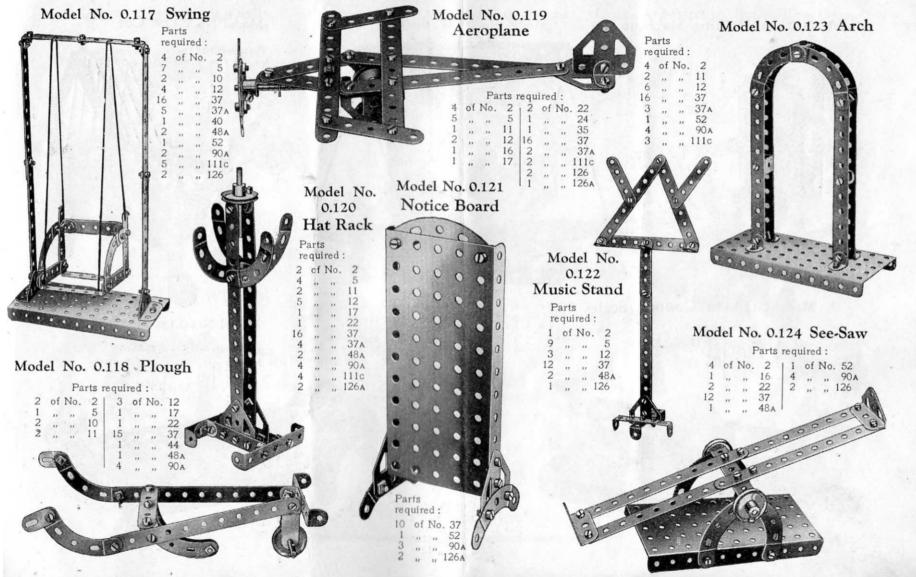
Model No. 0.110 Tea Wagon



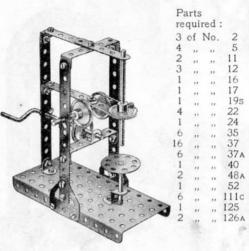


8	of	No.	5
2	,,	,,	16
4	22	**	22
10	22	93	37
1			52

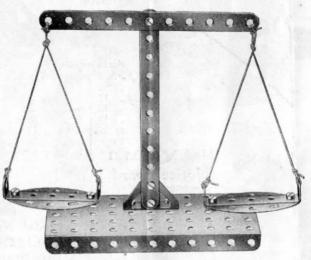




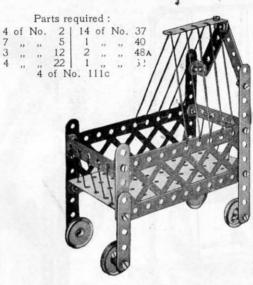
Model No. 0.125 Drilling Machine



Model No. 0.127 Scales



Model No. 0.129 Cot



Model No. 0.126 Counter Scales

Parte	required	

		aris requir	eu.		
	1 of No. 2 ,, ,, 2 ,, ,, 1 ,, ,,	2 7 10 1 12 1 17 2	of No37 ,, ,, 44 ,, ,, 52 ,, ,, 126	Con	59
		0 6	0000		
	000				000
1	0 0	00			

Parts required:

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

Model No. 0.128 Single Sheave Pulley Block

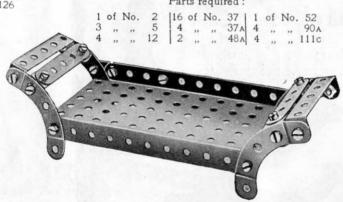


Parts required:

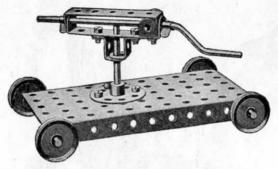
1 of No. 23 12 ,, ,, 37A 1 ,, ,, 57 4 ,, ,, 111c 2 ,, ,, 126A

Model No. 0.130 Couch

Parts required:



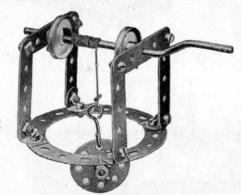
Model No. 0.131 Rock Drill



Parts required:

1	of	No.	11	4	of	No.	22	2	of	No.	48/
2	,,	"	16	1	22	***	24	1	11		
1	,,	**	17	2	21	22	35	2	**	33	125
1	**	,,	19s	5	,,	23	37	1			

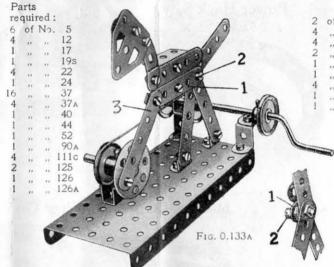
Model No. 0.132 Well Windlass



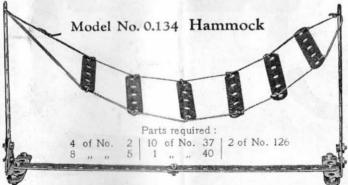
Parts required:

12 1 ,, ,, 24 1 19s 12 ,, ,, 37 4

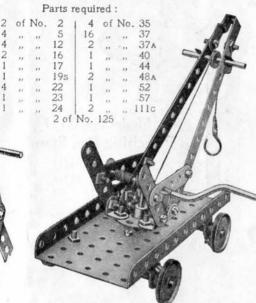
Model No. 0.133 Prancing Horse

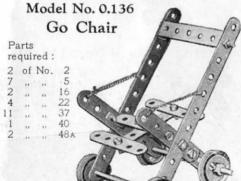


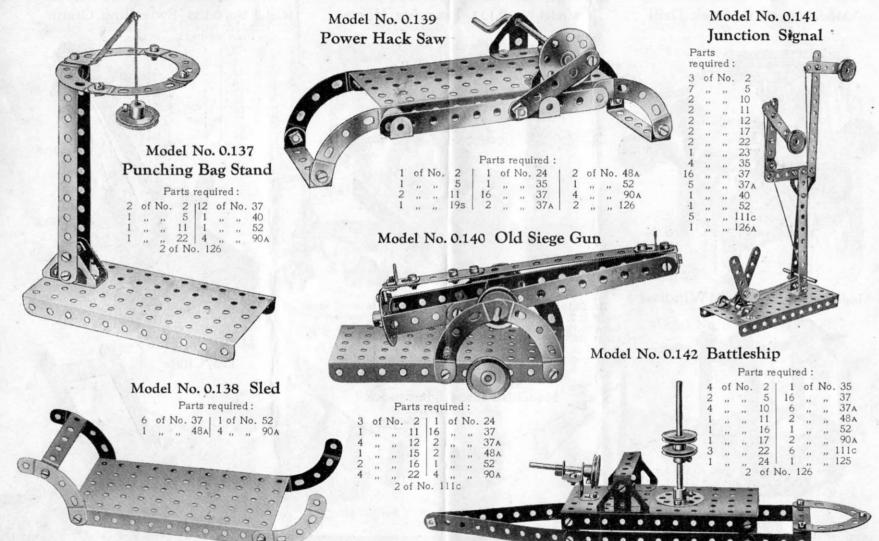
The Strip 1 forming part of the body is free to move about the Bolt 2, but two Nuts on the latter secure the rear legs and tail rigidly together. The arrangement of the various Strips about this Bolt 2 is shown more clearly in Fig. 0.133A. The Strip 3 is free to move at each end about pivots formed from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



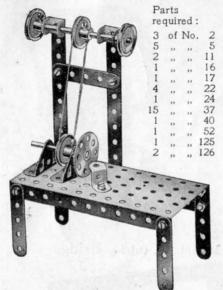
Model No. 0.135 Swivelling Crane







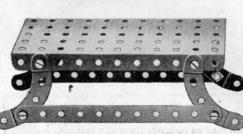




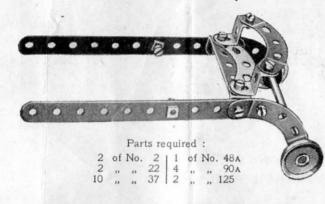
Model No. 0.144 Bench

Parts required:

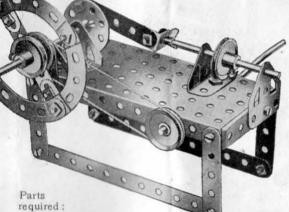
2 of No. 2 | 1 of No. 52 8 " " 37 | 4 " " 90A



Model No. 0.145 Sulkey



Model No. 0.146 Horizontal Engine



2 of No. 2

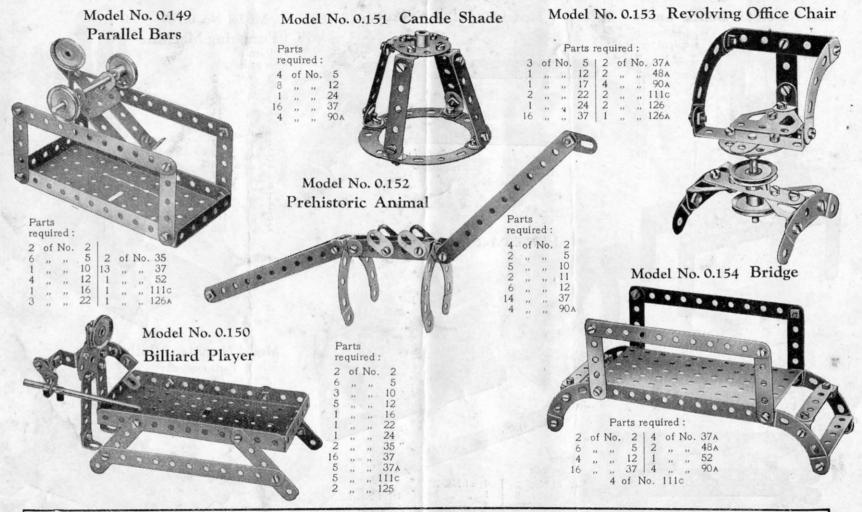


Model No. 0.147

Parts

required:
3 of No. 2

Punching Machine



HOW TO CONTINUE

This completes our examples of models that may be made with MECCANO Outfit No. 0 (or No. 00 and No. 00A). The next models are a little more advanced, requiring extra parts to construct them. The necessary parts are all contained in a No. 0A Accessory Outfit, the price of which may be obtained from any Meccano dealer.

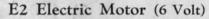
MECCANO MOTORS





E1 Electric Motor (6 Volt)

This powerful and reliable Electric Motor (non-reversing) may be driven from the main through a Meccano Transformer (alternating current only) or from batteries. It is specially designed to build into Meccano models.

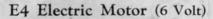


Similar to the El Motor, but fitted with extended side plates. This Motor is very popular with model-builders.

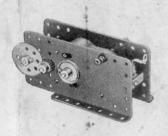


E3 Electric Motor (6 Volt)

This highly efficient Electric Motor is similar to the E2 Motor in design. An additional feature, however, is the control mechanism with which it is fitted, enabling the motor to be started stopped or reversed, as desired.



This Motor is supplied with gearing assembled on each side. It may be driven from the main through a Meccano Transformer (alternating current only) or from batteries, and is fitted with a control mechanism enabling it to be started, stopped or reversed.



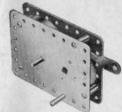
Meccano Resistance Controller

By employing this variable resistance the speed of the Meccano Electric Motors (6 volt) may be regulated as desired. The controller is connected in series with the motor and accumulator, or with the motor and transformer if a transformer is used as the source of power.



Meccano Transformers

Each Meccano 6-volt Electric Motor may be operated from the main current, safely and conveniently, by means of a Meccano Transformer. There are two types of Meccano Transformers available, one for 110 volt 60 cycles and the other for 110 volt 25 cycles.



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 the motor may be stopped and started, as required.

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.



