



MECCANO



(TRADE MARKS 296321, 12633, 10274, 55/13476, 884/25, 2913)

INSTRUCTIONS

FOR OUTFIT No. 0.

Price 6d.

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No. 27.0

OVERSEAS EDITION

A TALK WITH NEW MECCANO BOYS



THE Meccano No. 00 Outfit is the first step in the Meccano system; then comes No. 0 with which 70 working mechanical models can be made, each one a perfect little toy. After you have made them all, you will wish to go on building, and you can do this by adding new parts to your No. 0 or by purchasing a No. 0A Accessory Outfit, thus converting your No. 0 into a No. 1. You will then be able to build 106 models, including larger and better cranes, bridges, wagons, trucks, windmills, etc.

You never come to the end of Meccano fun. There is always more ahead—always some new, ingenious and interesting model to build. Each one, as it is completed, "tuned up," and set going, brings a joy and satisfaction beyond anything which you have ever previously experienced.

As you progress in Meccano you obtain a greater variety of parts, Gear-Wheels, Pulley-Wheels, Worm-Wheels, Couplings, Cranks, and all manner of perfectly-made real engineering parts. These enable you to construct

complicated mechanical movements without any difficulty. The most wonderful feature of Meccano is that it is real engineering; it is fascinating and delightful to play with, and yet so simple that even an inexperienced boy may join in the fun—without first having to study or learn anything.

THE LIFE OF A MECCANO BOY

A Meccano boy is the happiest boy in the world. He builds models from the Meccano Instruction books; invents new models; has a shot at the Competitions which are always being held in connection with the hobby; joins the Meccano Guild and a Meccano Club and by wearing the Guild badge proclaims himself to be the friend of millions of other Meccano boys all over the world. He reads the Meccano Magazine regularly and corresponds with his friend the Editor when he feels like it. Time never hangs heavily on his hands and he is too busy and too happy to grumble.

The Meccano Magazine is the Meccano boy's newspaper. It tells him of the latest Meccano models; what Meccano Clubs are doing; how to correspond with other Meccano boys; the Competitions that are running, etc. It contains interesting articles on Engineering and Electrical subjects, Railways, Aeroplanes, Cycling, Stamps, Photography, and other topics of interest to boys, including suggestions for new Meccano parts and correspondence columns in which the Editor replies to his readers' enquiries.

Write to the Editor, Meccano Magazine, Binns Road, Liverpool, giving the names and addresses of three of your chums who are not Meccano boys and enclosing 6d. in stamps. He will then forward a specimen copy of the "M.M." post free. If you wish to become a regular subscriber, the rates are 4/- for 6 issues or 8/- for 12 issues, post free.

HOW TO BUILD WITH MECCANO

Follow the instructions closely at first, and build the models just as you see them. Then take each model and try to improve our design. Every model can be made in a dozen different ways. Screw up all the nuts and bolts and you will find that you can play with the trucks, cranes, signals, etc., and obtain many hours of fun from them.

STRIPS, GIRDERS AND BRACKETS (000000000000 WHEELS, GEARS, ETC. 19°

Particulars and Prices of Meccano Parts

No.	D	10. 1							d.	No.	
1.	Perforat	ed Strip			ng		doz.	I	6	24.	Bush Wheels each 0 9
la.	. ,,	,,	9	-				1	3	25.	
1b.	**		7				"	1	0	26.	
2.			5					0	9		" " Gear Wheels ,, 0 6
2a.		- 377	41		,		"	0	8	27.	50 teeth to gear with 3" pinion " 1 3
3.	"	"	31		,	•••	**	0.00	6	27a.	57 " " " 1 3
4.	**	**			,	•••	**	0	-	27b.	57 " " " 133 " " 1 3 3 3 4 dia.) " 2 3
	**	**	3"		,,		**	0	5	28.	Contrate Wheels 11" diam
5.	.,,	**	2		,,		**	0	5	29.	3.7
6.	,,	**	2"		,		**	0	5	30.	Bevel Georg
6a.		,,	14					0	5	31.	
7.	Angle Gi		41" lo	ng	"		each	1	0	32.	Worm Wheels , 1 6
7a.			81"				cach	0	9	34.	Spanners " 0 0
8.	"		21"	"	•••		. "	v	-	34a.	
8a.	**			"	•••		doz.		9	34b.	P C
	"		91"	"			**	2	0	10000	
8b.	39	"	71"	**			,,	1	9	35.	Spring Clips per box (doz.) 0 5
9.	**	,,	51"	,,				1	6	36.	Screw Drivers each 0 5
9a.	**	,,	41"					1	3	36a.	" , Extra Long 0 9
9b.	-		31"	"			"	1	0	37.	Nuts and Bolts, 7/32" per box (doz.) 0 9
9c.	,,		3"	"	***		**		0	37a.	Nuts 0 5
9d.	,,			"	***		**	1		37b.	D ! = 1000
	**		21"	**	•••		**	1	0	38.	Washers
9e.	**	**	2"	,,			"	0	9	40.	Washers " 0 2
9f.	**		11"	,,			,,	0	9		Hanks of Cord each 0 3
10.	Flat Bra	ckets						0	3	*41.	Propeller Blades per pair 0 6
11.	Double 1	Brackets			5020		each	0	11	43.	Springs each 0 3
12.	Angle B			1"			doz.		9	44.	Cranked Bent Strips 0 2
12a.	n		1"×						1000	45.	Double Bent String
12b.	"	**			•••		each		11	46.	David A Land
	. " .	, "	1"×	2		***	**	0	11	47.	
13.	Axle Ro		long		***		**	0	5	47a.	" " " 2½"×1½" " 1 3
13a.	,, ,	, 8"	**				,,	0	5		" " $3'' \times 1\frac{1}{2}$ " " 1 6
14.	,, ,	, 61"	**					0	3	48.	" " " $1\frac{1}{2}$ " $\times \frac{1}{2}$ " " 0 6
15.	,, ,	. 5"	**					0	3	48a.	" " " 2½"×½" " 0 8
15a.	,, ,	41"					"	0	2	48b.	" " " 3½"×½" " 0 9
16.		91#	"	***			"	0	2	48c.	" " 4½"×½" " 1 3
	,, ,		"	•••	***	•••	"	223	1000	48d.	" " 51"×1" " 1 3
16a.	,, ,		**	***	***		**	0	2	50.	
16b.	,, ,		**				**	0	2	*52.	p /
17.	,, ,	. 2"						0	9	*52a.	
18a.		11"					"	0	2	*53.	Plat Plates, 5½" × 3½" , 0 8
18b.	,, ,	1"	,,,	•••		•••	"		-		Perforated Flanged Plates, 3½"×2½" " 0 5
	c" , "	100	"	•••		•••	. "	0	1 7	*53a.	Flat Plates, 4½" ×2½" " 0 5
19.	Crank H		***				**-	0	5	*54.	Perforated Flanged Sector Plates , 0 5
19a.	Wheels,	3" diam	., wit	h se	t scre	ws	**	1	0	55.	Perforated Strips, slotted, 5½" long " 0 3
20.	Flanged							0	9	55a.	2" 0 2
			lev V				"			56.	Instruction Manuals, Complete , 3 6
101-	0# 4:									56a.	" No. 0-3 1 6
19b.		th centi	re bos	s an	d set s	crev	v "	1	0	56b.	
19c.	6" "	,,	- 75	,,	,,	,,	,,	3	9	57.	" " No. 0 " 0 6
20a.	2" ,,	**		**		,,		0	9	200	Hooks , 0 2
21.	11" "			,,		"	"	0	9	57a.	" (scientific) " 0 2
22.	1" "	,	-	**				0	6	57b.	" Loaded " 0 8
23a.	1" "					"	"	ö	6	58.	Spring Cord per length 1 3
22a.	1" " wi	thout		**				0	3	59.	Collars with Set Screws each 0 3
23.	1 ,,	,,		,,				0	3	*61.	Windmill Sails 0 3

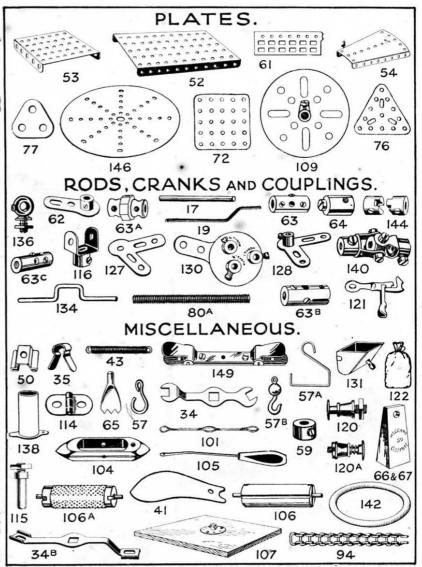
IMPORTANT.—All Meccano parts marked thus * are available with either red or nickel finish and all marked thus † are available with either green or nickel finish. When ordering nickelled parts quote only the numbers now shown in the list. When coloured parts are required add letter X to the distinguishing numbers under which they are listed. Thus part No 99 would be ordered as 99x; part No. 99a as 99ax and so on.

Particulars and Prices of Meccano Parts (continued)

No.					S		No.		d.
62.	Cranks	***		ea	ch (105.	Reed Hooks, for looms each 0	6
62a.	Threaded Cranks			,,	. (106.	Wood Rollers , 2	0
63.	Couplings			,,	. (9	106a.	Sand Rollers , 2	3
63a.	Octagonal Coupling			,,	1		107.	Tables for Designing Machines ,, 1	6
63b.	Strip Couplings			"		0	*108.	Architraves 0	3
63c.	Threaded Couplings			,,		9	*109.	Face Plates, 24" diam 0	6
64.	Threaded Bosses			,,		3	110.	Rack Strips, 31" , 0	3
65.	Centre Forks	•••		"			111.	Bolts, 2" 0	1
66.	Weights, 50 gramm	nec		,,		6	111a.	" i 2 for 0	1
67.	Weights, 30 grains	ucs		"			111c.	" doz. 0	6
68.	Woodscrews, 1""			do		201	113.	Girder Frames each 0	3
	Cot Corone	•••					114.	Hinges per pair 0	6
69.	Set Screws	***		"			115.	Threaded Pins each 0	3
69a.	Grub Screws, 5/32"			,,			116.	P 1 D: 0	5
69b.	7/32			"			117.		9
* 70.	Flat Plates, 51"×2	1		ea	ch (*118.		9
*72.	" " 2½"×2	1		"					9
* 76.	Triangular Plates,	21		"			*119.	Channel Segments (8 to circle,	0
*77.	,, ,,	1"		"				11½" diam.) " 0	6
78.	Screwed Rods, 111			,,			120.	Buffers " 0	3
79.	" " 8"			,,	, (120a.	Spring Buffers per pair 1	0
79a.	6"			,,	. (121.	Train Couplings each 0	3
80.	5"			,,	, (122.	Miniature Loaded Sacks " 0	3
80a.	,, ,, 31	*		"	. (123.	Cone Pulleys " 2	0
80b.	41			,	. (124.	Reversed Angle Brackets, 1" ½ doz. 1	3
81.	,, ,, 2*			,) 3	125.	, , , <u>1</u> " , 0	9
82.	. 1"			,	- 1	2	*126.	Trunnions each 0	4
89.	Curved Strips, 51				(3	*126a.	Flat Trunnions ,, 0	3
90.	24"	arge ra	dins	,	(2	127.	Simple Bell Cranks " 0	4
†90a.	" " 2½" s	mallr	adins	"			128.	Boss Bell Cranks " 0	6
94.	Sprocket Chain	MILITARY L.	ner 4	O" lens			129.	Rack Segments, 3" diam " 0	9
95.	Sprocket Wheels, 2	diam'	per 4		ich (753	130.	Triple Throw Eccentrics , 2	0
95a.	Contract to the contract of th	1.0					*131.	Decides Buckets	3
95a. 95b.			•••	"			132.	Flooring of diese	6
	" "	. "	***	"			*133.	C D	5
96.	Braced Girders, 3½ " " 2½	n# "	•••	"			134.	Control Diddicto III III III III III	5
96a.	n ". c" ol	1. "	***		. (135.		4
†97.	Braced Girders, 34	long	***		oz.	11 720		Theodesite Troutestore in in in m	5
†97a.	,, ,, 3	. "	***	31			136.		6
†98.	,, ,, 21	- "	***	1			137.	Triffeet Fittinges III III III III III	6
†99.	" " 12½	,,,		1	, :		138.	omportunicio "	
†99a.	91			,	, :		*139.	Flanged Brackets (right) ,, 0	3
†99b.	" " 7	" "		,			*139a.	" " (left) " 0	3
100.	" " 5i			,	,		140.	Universal Couplings " 1	3
100a.	41	" "		,	, 1	6	141.	Wire Lines (for suspending clock	1000
101.	Healds, for looms			de	Z.	3		weights) ,, 1	0
102.	Single Bent Strips			ea	ch (2	142.	Rubber Rings " 0	6
103.	Flat Girders, 54" lo				oz.	6	142a.	Dunlop Tyre, 2" ", 0	6
103a.	01"				. :		142b	Dunlop Tyre, 2" ,, 0	9
103b.	121"	,,				3 0	*143.	Circular Girders, 51" diam ", 1	6
103c.		**				3	144.	Dog Clutches 0	9
103d.	91#	,		,		0	*145.	Circular Strips, 7" diam. over all ", 1	6
		,,		"	,	54353			-
103e.		,,	•••	,		9	*146.	" Plates, 6" " " 1	9
103f.	21"	,,		,	. (8	147.	Pawls, with pivot bolt and nuts , 0	5
103g.			2007/200	190) 6	147a.	Pawls 0	3
103h.	" " 11"	,,	***	,			147b.		3
		,,		,	,		1000		
103k.	" " 7½"	,,	***	,,	. :		148.	Ratchet Wheels " 1	3
104.	Shuttles, for looms			ea	ch (0	149.	Collecting Shoes, for Electric Locos ,, 2	3
	100								

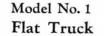
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As new parts are frequently added to the Meccano system the foregoing list is not necessarily complete. The latest illustrated list should be obtained from your dealer, or from Meccano Ltd., Liverpool, England.



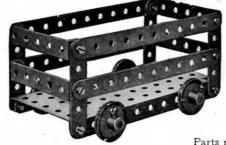
These Models can be made with MECCANO Outfit No. 0, or No. 00 and No. 00A

Trucks and Luggage Carts





Model No. 2 Truck with Sides



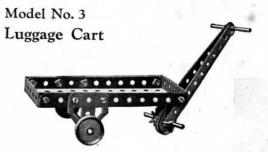
Parts required':

4 of No. 2 | 4 of No. 22

4 ", ", 5 | 12 ", ", 37

2 ", ", 16 | 4 ", ", 48A

1 of No. 52



Parts required:

2 of No. 2 | 9 of No. 37

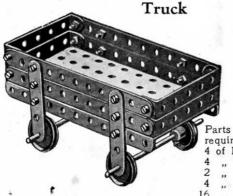
1 " " 16 | 1 " " 48A

2 " " 17 | 2 " " 48A

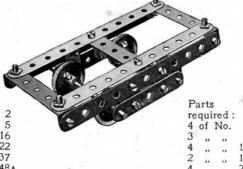
3 " " 22 | 1 " " 52

4 " " 35 | 2 " " 126A

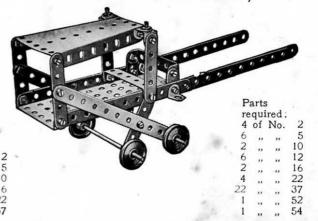
Model No. 4

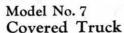


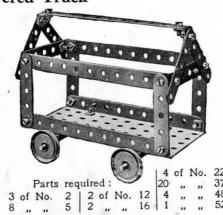
Model No. 5 Bogie



Model No. 6 Ticca Gharry



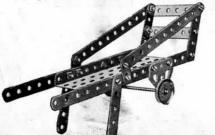




Model No. 10 Shipyard Bogie

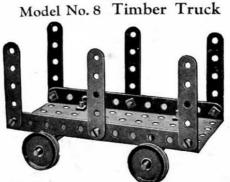


Model No. 13 Coster's Barrow



	qui	ired	:
4	of	No.	2
4	,,	,,	5
1	,,	,,	16
2	,,	,,	22
16	,,	,,	37
2	,,	,,	48
1	,,	,,	52
2	,,	,,	126

Trucks and Luggage Carts (continued)



Parts required:
6 of No. 5 | 10 of No. 37
2 ,, ,, 16 | 2 ,, ,, 48A
4 ,, ,, 22 | 1 ,, ,, 52

Model No. 11

Flat Truck

Parts
required:
2 of No. 16
4 " " 22
1 " " 52
Lurry

Model No. 9

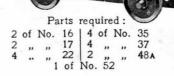
Parts required:

2 of No. 2 | 2 of No. 16 | 2 of No. 48A

2 ,, 10 | 4 ,, 22 | 1 ,, 52

1 ,, 11 | 12 ,, 37 | 2 ,, 126A

Model No. 15 Go Chair

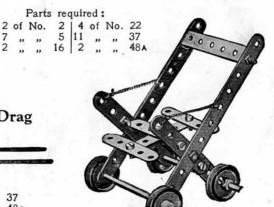


Model No. 14 Timber Drag

Timber Truck



Parts required:
4 of No. 2 | 2 of No. 16 | 8 of No. 37
2 , , , 11 | 4 , , , 22 | 4 , , , 48A



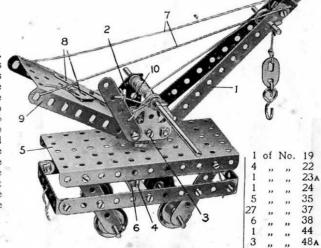
1 of No. 19 | 4 of No. 37 4 ,, ,, 22 | 2 ,, ,, 48, 1 ,, ,, 24 | 1 ,, ,, 52 2 ,, ,, 35 | 2 ,, ,, 125

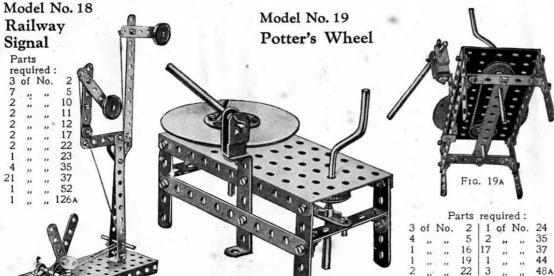
Parts

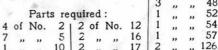
required:

Model No. 17 Travelling Crane

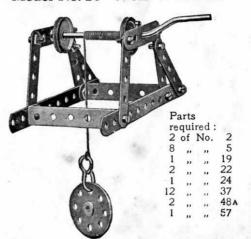
The jib 1 is pivoted to the flat trunnions 2, which are bolted at 3 to angle brackets secured to a bush wheel. The latter is nipped to a 2" rod 4 passing through the plate 5 and further supported in a double angle strip 6. A washer and spring clip mounted on the rod 4 below the strip 6 secure the crane to the carriage. The jib is supported by means of cords 7 tied to 21" strips 8, the holes of which engage the shank of a bolt passed through the sector plate 9, and its elevation may be altered by inserting this bolt in different holes in the strips 8. The cord 10 of the brake lever is wound once round the crank handle, between two washers.



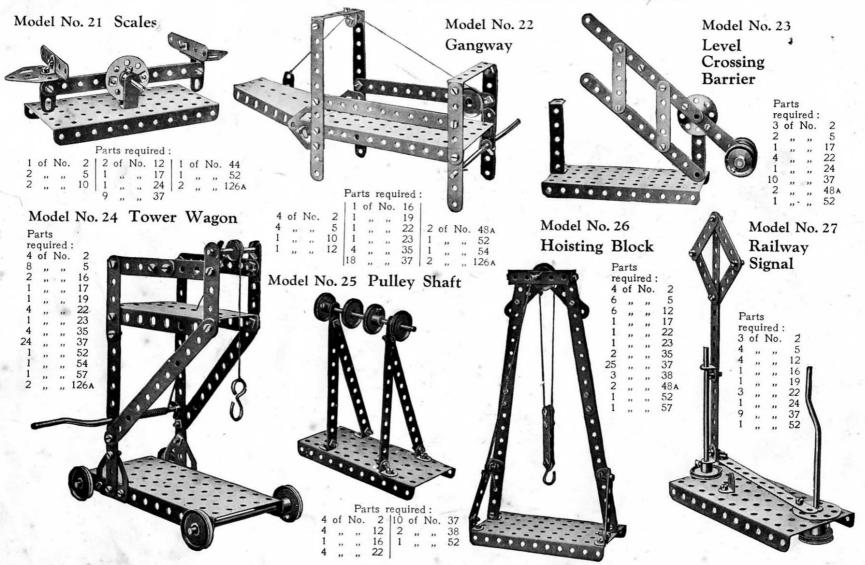




Model No. 20 Well Windlass

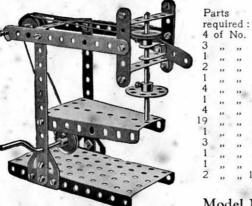


These Models can be made with MECCANO Outfit No. 0, or No. 00 and No. 00A.



These Models can be made with MECCANO Outfit No. 0, or No. 00 and No. 00A.

Model No. 28 Drilling Machine



Model No. 29 Mechanical Saw

The strip 9 represents the saw. The crank handle drives through a belt 1 a short rod journalled in a dcu'ble bracket 2 and carrying a bush wheel 3. The latter imparts a reciprocating motion to the saw frame 4 through a 21 " strip 5 loosely mounted on bolts secured to the bush wheel and to an angle bracket bolted to the saw frame. This frame slides on a 31" rod 6, which acts as a guide, passing through the frame and supported in a reversed angle bracket 7. A washer is placed on the bolt 8 behind the bracket 7. A vice to secure the objects in position for cutting consists of a flat bracket 10 mounted on a bolt 11, a few turns of which causes the flat bracket to grip the object 12. The bolt 11 enters a nut held between the flat trunnion 13 and 51" strip 14, which are spaced apart for the purpose by washers placed on the two bolts holding the trunnion in position. The saw frame rests on the stop 15 when not in use. A 1" pulley secured to the top of the frame acts as a weight and helps to steady the saw.

Parts required:

						1 0	110		cerr'		700
1	of	No.	2	1 1	of	No.	17	14	of	No.	38
8		,,	5	I	- ,,	,,	19	1	,,	,,	44
1	,,	,,	10	3	,,	.,,	22	4	,,	,,	48
1	,,	,,	11	1	**	"	24	-	. ,;		52
4	**	,,	12		.,	,,	35			,,	
1	,,	,,	16	22	-,,	**	37	1	,,	,,	126

Model No. 31 Swing



Machine)

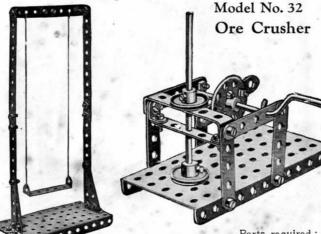
Model No. 30

Buffers

FIG. 28A

(Detail of Drilling





		Par	ts :	requ	ire	d:	
4	of	No.	2	120	cf	No.	37
4	***	,,	5		,,	,,	48A
6	.,	***	12	1	,,	,,	52

77.		Pa	rts 1				
6	of	No.	5	1 1	of	No.	24
2	,,	,,	10		,,		35
1	,,	,,	16	10	,,	,,	37
1	,,	,,	19	2	,,	,,	484
2	,,	,,	22	1	,,	,,	52

Model No. 33 J	ib Cran	6
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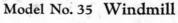
	A
2 , , , 5 1 , , , 24 2 , , , , 16 4 , , , , 35 1 , , , , 37 17 17 , , , 37 1 , , , , 19 1 , , , 48A 4 , , , , 22 1 , , , , 52	
1 ,, ,, 17 17 ,, ,, 37 1 ,, ,, 19 1 ,, ,, 48A 4 ,, ,, 22 1 ,, ,, 52	
1 , , 17 17 , , 37 1 , , 19 1 , , 48A 4 , , 22 1 , , 52	
" " 19 1 " 48A " " 22 1 " " 52	7
, , 22 1 , , 52	
	-12-
	11
	~
The second secon	

Parts required

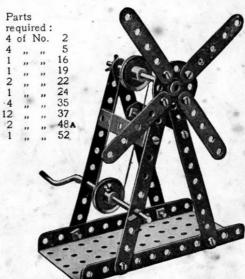
These Models can be made with MECCANO Outfit No. 0, or No. 00 and No. 00A.

Model No. 34 Telpher Span

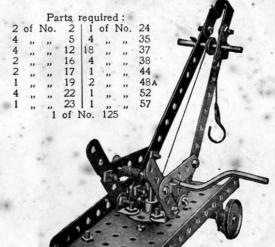
Many hours of enjoyment may be obtained from this model. The illustration shows exactly how it is worked. The cords may be made to any length, and the load carried from one side of the room to the other. In order to give a better grip, the operating cord should be wound twice round the crank handle pulley. The body of the telpher should be screwed down to a solid base with ordinary wood screws, and the pulley bracket screwed in a suitable position on the opposite side of the room.



required:



Model No. 36 Swivelling Crane



Model No. 39

" " 19
" " 22
" 35
" 37
" 44
" 48A
" 52
" 52
" Furrow Roller

Model No. 38 Lawn Mower



Parts required:

4 of No. 2 | 1 of No. 17

7 ,, 5 | 4 ,, 22

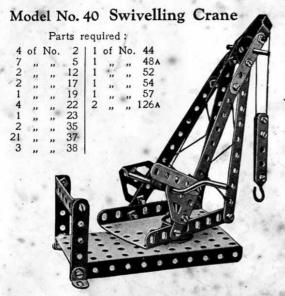
2 ,, 11 | 19 ,, 37

2 ,, 16 | 1 ,, 44

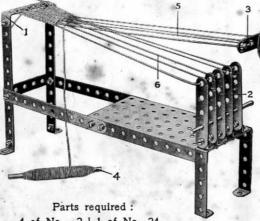
3 of No. 48A

Parts required: 2 of No. 12 | 1 of No. 24

2 ,, ,, 16 4 ,, ,, 37 1 ,, ,, 17 1 ,, ,, 44 1 of No. 54



Model No. 41 Hand Loom



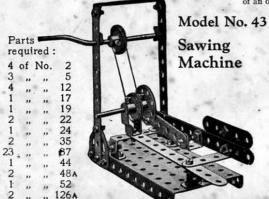
Model No. 42

Watch Stand

Parts required:
2 of No. 2
1 ,, 23
0 ,, 37
1 ,, 57
1 ,, 125
2 ,, 126A

4	of	No.	2	11	of	No.	24
6	,,	17	5	21	,,	,,,	37
7	,,	No.	12	4	,,	,,	48A
2	,,	,,	16	1	,,		52

The warp threads are tied at one end to a double angle strip 1, whilst their other ends are secured alternately to the tops of the upright strips 2, and the 2½ strip 3. The "shedding" movement of the warp is obtained by moving the strip 3 up or down each time the shuttle—a 3½ rod 4—is passed between the two layers of warp 5 and 6. Wool or similar material is particularly suited to this apparatus. The strands 6 should be kept very taut, and the weft threads may be closed up with the woven portion by means of an ordinary comb each time the shuttle passes.

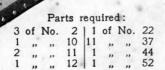


The sector plate of the Crane in this model is pivoted to the base with a fast

pulley above and below.

Model No. 44

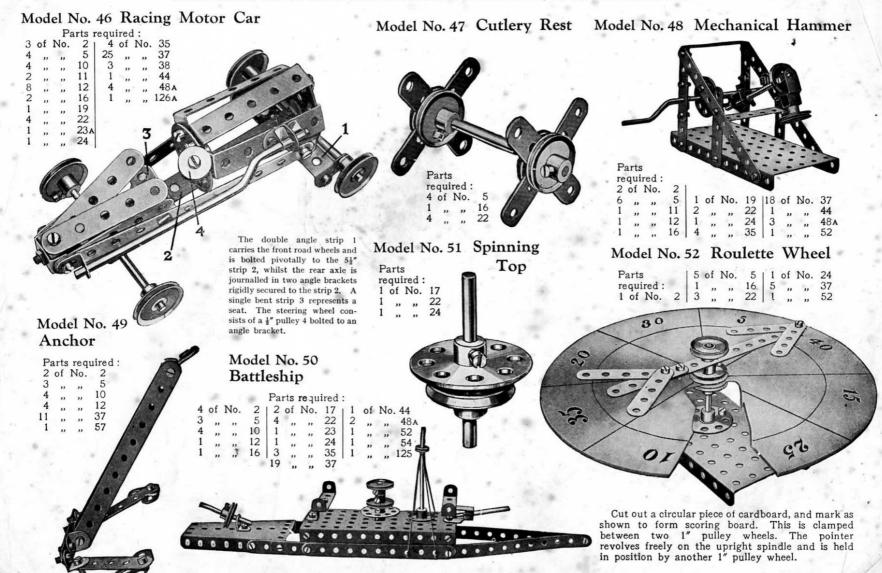
Telegraph Key



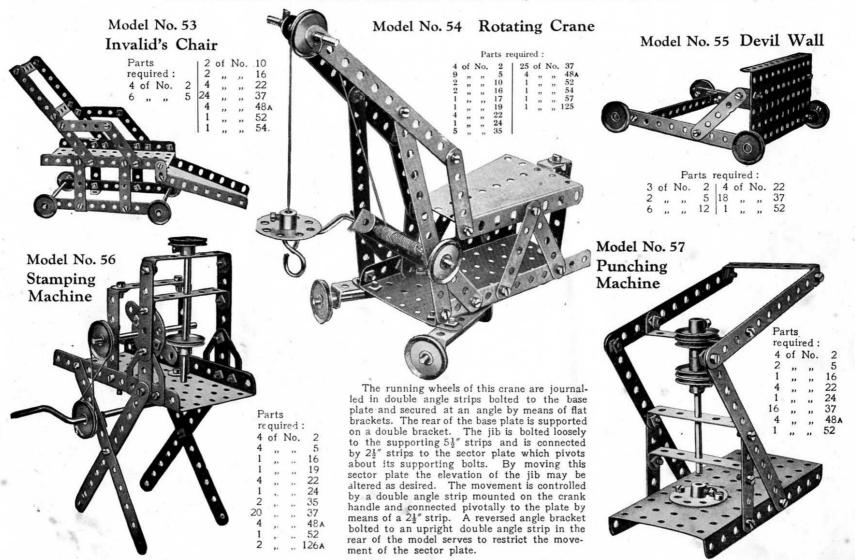


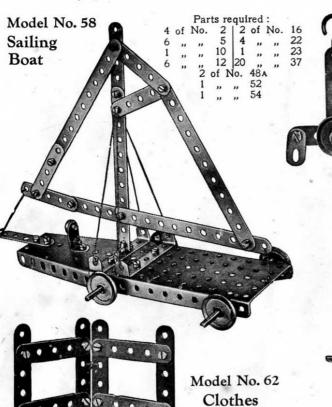
Model No. 45

Parts
required:
4 of No. 2
1 , , 5
3 , , 12
1 , , 16
1 , , 22
7 , , 37
1 , , 52
1 , , 54



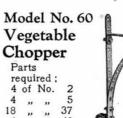
These Models can be made with MECCANO Outfit No. 0, or No. 00 and No. 00A.





Model No. 59 Roman **Balance**

Parts required: 1 of No. 2 | 3 of No. 22 1 ,, ,, 5 | 3 ,, ,, 37

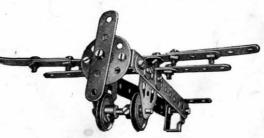


Mail-Bag Hanger Parts required: 4 of No. 2

Model No. 61

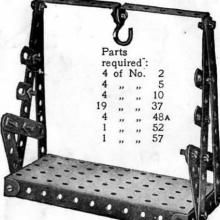
Model No. 64 Pen Rack

Model No. 63 Aeroplane



Parts required:

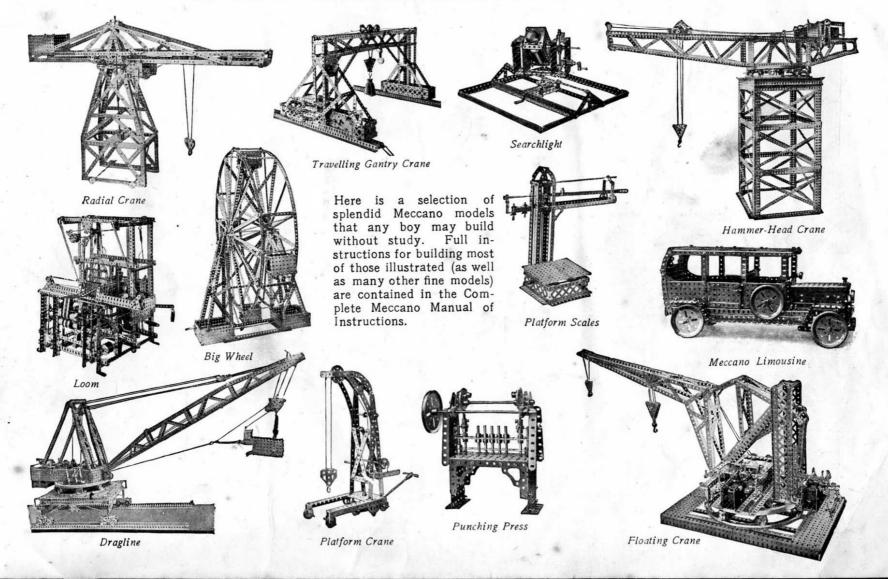
4 of No. 2 | 1 of No. 17 | 20 of No. 37 4 " 5 2 " 22 | 1 " 44 1 " 11 | 1 " 24 | 2 " 126



Horse

Parts required: 4 of No. 2

A FEW CHOICE MECCANO MODELS



MECCANO ACCESSORY OUTFITS AND MOTORS



Meccano Accessory Outfits

Our illustration shows one of the Meccano Accessory Outfits. As has already been explained, these Outfits connect the main Outfits from No. 00 to No. 7 making it possible for a boy who commences with one of the earlier Outfits to build up his equipment by easy stages, until he is the possessor of parts that cover the entire system.

Electrical Outfit

All Meccano boys are fascinated by electricity and never become tired of learning more about this wonderful subject. The application of electricity to the Meccano system adds a further and wonderful charm, and the joys of model-building are now increased by the fascinating pastime of carrying out delightful electrical experiments.

The Meccano Electrical Outfit contains a number of specially designed electrical parts which

designed electrical parts which may be used in conjunction with any of the regular Outfits.



No. 1 Electric Motor

The 4-volt Motor is specially designed to build into Meccano models. It may be run by a 4-volt Accumulator, or, by employing a suitable transformer, direct from the main. It is fitted with reversing motion, provided with stopping and starting controls, and the gearing is interchangeable.

No. 2 Electric Motor

This Electric Motor may be employed for any purpose for which a small motor is suitable, but it is specially adapted for driving Meccano models. The side plates are perforated with standard equidistant holes, thus allowing the motor to be built into any Meccano model. The motor is specially designed for connection with the electric-light main. It is supplied for 100-120-volts or 200-250-volts (alternating or direct), and is fitted with 6 ft. length of flex, an insulated plug for connection with the motor terminals, and an adapter for connection with an ordinary lamp socket.

A suitable resistance is required when the motor is run with a 200-250-volt current, and this is supplied by connecting a 60-watt lamp in series with the motor. A board on which are mounted a suitable lamp-holder (lamp not included) and a switch is provided separately.



4-Volt Accumulators

AND TOWNS AND TO

These new and excellent types of Accumulators have been adapted to drive the Electric Motor No. 1. They have been subjected to the severest tests and have proved themselves to be the most suitable accumulators for use with any type of electric motor. They are nonspillable, have remarkable recuperative powers, and will continue to supply current when nominally exhausted.

Clockwork Motor

How splendid it is, after spending hours in building a model, to be able to set it in motion with a motor, just as do real engineers! The Meccano Clockwork Motor is specially made for this purpose and is a fine piece of mechanism—simple, powerful, and reliable. It is fitted with starting and stopping levers, and has a reversing movement.

FOR PRICES OF THE ABOVE SEE PRICE LIST AT END OF MANUAL.

HORNBY TRAINS

Hornby Trains are manufactured by Meccano Limited, and they are made from the finest materials obtainable. A most valuable feature of the Locos is that all the parts are standardised and any lost or damaged units may be replaced with new ones.

Each Train is a beautiful piece of workmanship with perfect mechanism, ensuring smooth running. A guarantee of efficiency is furnished with each Loco.

A HORNBY TRAIN LASTS FOR EVER!

SERIES M. No. 1 PASSENGER SET

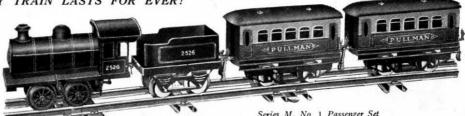
This Set contains Loco, Tender, two Pullman Coaches and Set of Rails. One of the latter is a brake rail by means of which the train may be braked from the track. Richly coloured and well finished; fitted with brake mechanism; nonreversing. Gauge 0.

Series M, No. 1 Passenger Set complete, packed in strong cardboard box Price 12/-

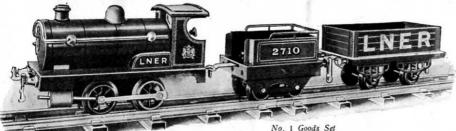
SERIES M. No. 2 PASSENGER SET

Similar in every way to the above excepting that it has three Pullman Coaches instead of two, and additional rails.

Series M, No. 2 Passenger Set complete, packed in strong cardboard box Price 15/-M, No. 1 or 2 Loco ... Price 5/- M, No. 1 or 2 Tender ... ,, 1/3 M, No. 1 or 2 Pullman Coach ... Price 1/9



Series M. No. 1 Passenger Set



No. 1 GOODS SET

This Set contains Loco, Tender and Wagon with Set of Rails. The rails form a circle 2 ft. in diameter or an oval 2 ft. 10 ins. in width, and they include one brake rail by means of which the train may be stopped from the track. The Loco is fitted with reversing gear and brake mechanism. Gauge 0.

Hornby No. 1 Goods Set complete, well boxed ... No. 1 Hornby Loco Price 20 /- Hornby Wagon 3/9 .. Price 3,6 Tender ..

RIVIERA "BLUE" TRAIN SETS

These splendid Train Sets are models of the famous express that runs regularly between Calais and the Mediterranean Coast. The Loco is coloured brown with yellow lining and the Coaches are coloured blue with white roofs. Two types are available, one with Clockwork Loco and the other with Electric Loco. Particulars are as follows :-

RIVIERA "BLUE" TRAIN SET No. 1

Contains Electric Loco, Tender, two Coaches, Resistance Controller and Electrical Rails to form a circle 4-ft. in diameter. The Loco is fitted with an electric motor which is operated from a 4-volt Accumulator or from a suitable transformer connected to the main (alternating current only). Gauge 0.

Riviera "Blue "Train Set No. 1, complete, well boxed ... Price 120/-"Blue " Frain Loco No. 1 " Blue " Train Tender No. 1 Price 6/6 Price 52/6 Resistance Controller ,, 5/-

" Blue " Train Coach No. 1 Price 21/-

Riviera "Blue" Train Set No. 2

RIVIERA "BLUE" TRAIN SET No. 2

Contains a powerful Clockwork Loco, Tender, two Coaches and Set of Rails including a Hornby Control Rail. The Loco is fitted for Hornby Control and has reversing gear and brake mechanism. Gauge 0.
Riviera "Blue" Train Set No. 2, complete, well boxed ...
"Blue" Train Loco, No. 2 ... Price 40/- "Blue" Train Tender No. 2 ...
"Blue" Train Coach No. 2 ... Price 21/-

SEND FOR COMPLETE LIST OF HORNBY TRAINS, TRAIN ACCESSORIES AND RAILS, POINTS AND CROSSINGS.

MECCANO PRICE LIST

MECCANO OUTFITS

ACCESSORY OUTFITS

No.	00	Meccano	Outfit						5 /-	No.	. 00a	Meccano	Outfi	t .			4	2,6
	0								7,6	,,	OA	,,						6/-
"	U	,,,	"	••	••	••	••		1/0	,,	1 A		,,			4.1	1.8	11/6
,,	1	,,	,,						12/6	,,	2A	,,				السخاما	- 3	13/-
									02 /	.,	3 A	4.,	,,					26/-
,,	2	,,	, ,,	••	• •	• •			23 /-	,,	44							20/-
,,	3	,,	,,						35 /-	.,	5A*	Man.		(Carton)			1.39	75/-
									co	**	5A*			(Wood)			M . I	120/-
"	4	,,	"	••	••	• •	••	• •	60 /-		6A			,,			E I	300/-
,,	5*	,,	" (Carto	n)				80 /	Med	cano	Clockwor	k Mot	or .				10/6
										No.	1 M	eccano Ele	ectric l	Motor (4-	Volt)		1	20/-
,,	5	,,	Presenta	tion (Outfit			• •	125 /-	,,	2	,,	,,	(10	0-120 or	200-250	-Volts	50/-
,,	6*		Outfit (C	Carton)				155 /-	Lan	np Bo	ard (with	lamp-	holder an	d switch)	e	7/6
"										Med	cano	Electrical	Outfi	t X2 .	THE SAME		6	65/-
,,	6*	,,	Presenta	tion (Dutfit	••			210 /-		,,	Accumula	ator (4	-Volt, 8	Amps.)		63	30/-
	7	,,	,,		,,				540 /-		,,	,,	(,, 20	,,)			42 /-
"		"	,,,		••				,									

^{*} Outfits Nos. 5,5A and 6 are supplied in neat and well-made cardboard boxes (cartons) or in superior oak cabinets, with lock and key.

Meccano is sold in nine different Outfits, numbered 00 to 7. All parts are of the same high quality and finish, the larger Outfits containing a greater quantity and variety of parts.

Each Outfit may be converted into the one next higher by the purchase of an Accessory Outfit. Thus a No. 2 may be converted into a No. 3 by adding to it a No. 2a. A No. 3a would then convert it into a No. 4, and so on. In this way, no matter with which Outfit you commence, you may by degrees build up your Outfit to a No. 7.

		A.A. C.	ONTENTS OF No. 0	001111	
No.		Quantity.	No. Q	Quantity. No.	Quantity.
2.	5½" Perforated Strips	4	24. Bush Wheel	1 52.	Perforated Flanged Plate, 5½" × 2½" 1
5.	$2\frac{1}{2}$, , ,	9	34. Spanner	1 54.	" Sector Plate 1
10.	Flat Brackets	5	35. Spring Clips	6 56в	. Manual of Instructions No. 0
11.	Double ,,	2	36. Screwdriver	1 57	Hook 1
12.	Angle " ½"×½",	8	37. Nuts and Bolts	19	. Curved Strips, 2½" Small Radius 4
16.	3½" Axle Rods	2	37A. Nuts	0	
17.	2" ,, ,,	2	38. Washers	0	
19.	Crank Handle	1	40. Hank of Cord	1 111c.	. Bolts, 3 6
22.	1" Pulley Wheels (with Set-scr	rew) 4	44. Cranked Bent Strip	1 125.	½" Reversed Angle Brackets 2
23.	1, Wheel (without Set-so	erew) 1	48A. 2½"×½" Double Angle Strips	4 126A	. Flat Trunnions 2

This rule is provided for measuring rods, strips and other parts.

			1 inch	Palacago	2 - 4	1	3		1.	4		5		6	7	8	3	9
1	1/2	34			ARV: 11		10.	To the	*		Acces in		A STATE OF STATE					
1		1		T	1	+ 1				1			1.					

MECCANO

Hornby's Original System, First Patented 1901

PATENTS AND DESIGNS

GREAT BRITAIN:

THE RESERVE OF THE PARTY OF THE	CALLITA DAG	ALALIA .	the state of the s
3,869/14	139,125	671,485	682,934
4,183/14	177,430	671,534	683,011
4,564/15	577,207	671,790	686,112
20,535/13	577,272	680,416	698,054
21,117/12	648,958	682,208	699,653
22,962/13	671,484	682,209	699,654
7,732/25	THE REPORT OF THE PARTY OF THE		718,731
7,733/25	特用位置基本工程,对为标准。	GIANT COMPANY OF THE STATE OF	718,404
			THE RESERVE THE PROPERTY OF THE PERSON NAMED IN COLUMN

Meccano is more than a Toy

IT is important to remember that when a boy is playing with MECCANO he is using engineering parts in miniature, and that these parts act in precisely the same way as do the corresponding engineering elements in actual practice. No other system of model construction can be correct, and other toys which attempt the same object by other methods must avail themselves of constructive elements which are not correct engineering elements. Consequently, though a boy may succeed in building playthings with them, they are merely toys and nothing else, and his mind, as regards proper mechanical construction and methods, is distorted instead of instructed. He thus learns wrong principles, and when his ambition tempts him to invent or construct more elaborate models, he will find that he cannot do so because of the deficiencies of his non-mechanical system.

No Outfit is genuine unless it bears the Trade Mark MECCANO

No. 00A

2A

6A

Meccano No. 1 M

"2 Lamp B

Meccano

MECCANO PRICE

MECCANO OUTFITS

No.	00	Meccano	Outfit	>		 		5 /-	1
,,	0	.,	,,			 		7/6	
,,	1	,,	,,			 		12 /6	1
,,	2	,,	,,			 		23 /-	
,,	3	,,	,,			 		35 /-	
٠,,	4		,,			 		60 /-	
"	5*	,,	" (80 /-			
,,	5	" F	resenta	tion C	utfit	 		125 /-	
,,	6*	" (Outfit (C	arton		 		155 /-	
,,	6*	" F	resenta	tion C	utfit	 		210 /-	
,,	7	,,	,,		,,	 		540 /-	
							100		1

Important

In future Meccano accessory parts will be supplied in colours unless customers ask specially for nickel-plated parts. The directions at the foot of pages 3 and 4 are not now applicable.

Revised Prices

OVERSEAS 0 F

.. 42/-

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^{*} Outfits Nos. 5, 5 a and 6 are supplied in neat and well-made cardboard boxes (cartons) or in superior oak cabinets, with lock and key.