

# MECCANO



(TRADE MARK 296321)

## INSTRUCTIONS

### FOR OUTFIT No. 0.

### Price 4d.

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No. 24.0

ENGLISH EDITION



## A TALK WITH NEW MECCANO BOYS



THE Meccano No. 0 Outfit contains sufficient parts to build 70 working mechanical models, 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.

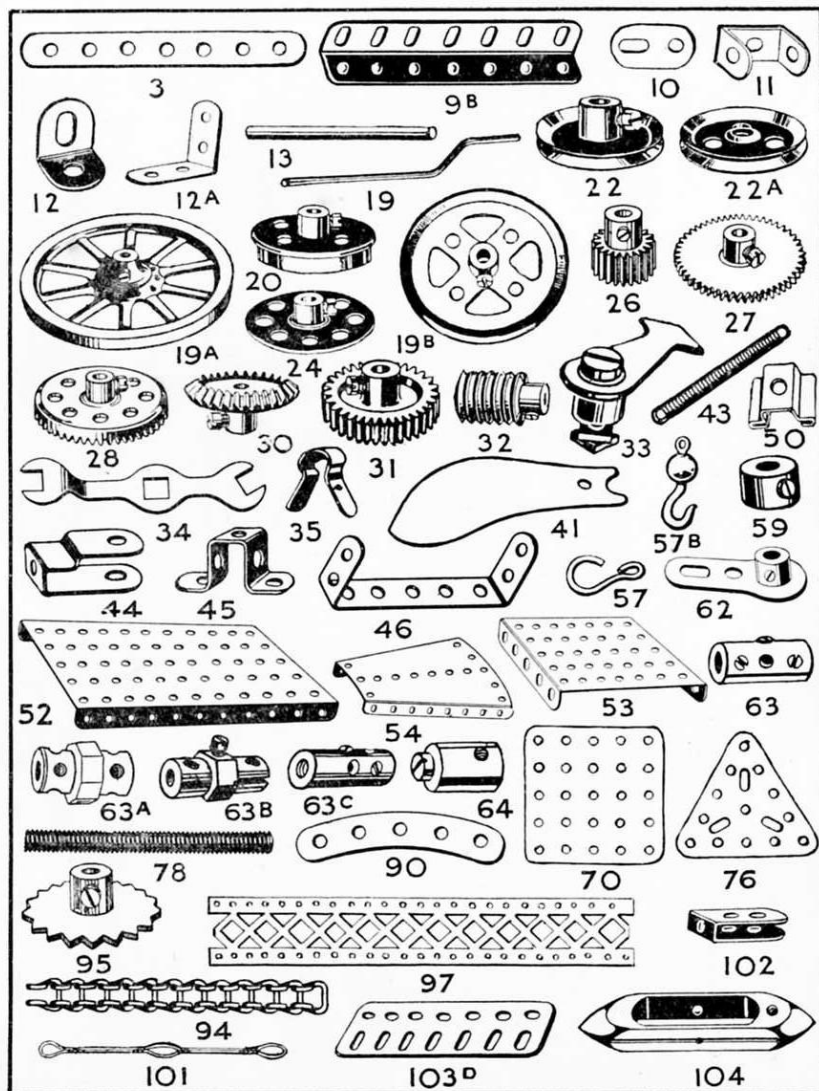
The *Meccano Magazine* is the Meccano boy's newspaper. It tells him of the latest Meccano models; what Meccano Clubs are doing; how to correspond with other Meccano boys; the Competitions that are running, etc. It contains interesting articles on Engineering and Electrical subjects, Radio, Books, Cycling, Stamps and Nature Study, and deals with many other topics of interest to boys, including suggestions from Meccano boys 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, and he will send you a copy FREE. It is sent regularly to subscribers at the rate of 1/6 for six issues, or it may be purchased from your newsagent or any Meccano dealer, price 2d. per copy.

### 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.

# Particulars and Prices of Meccano Parts

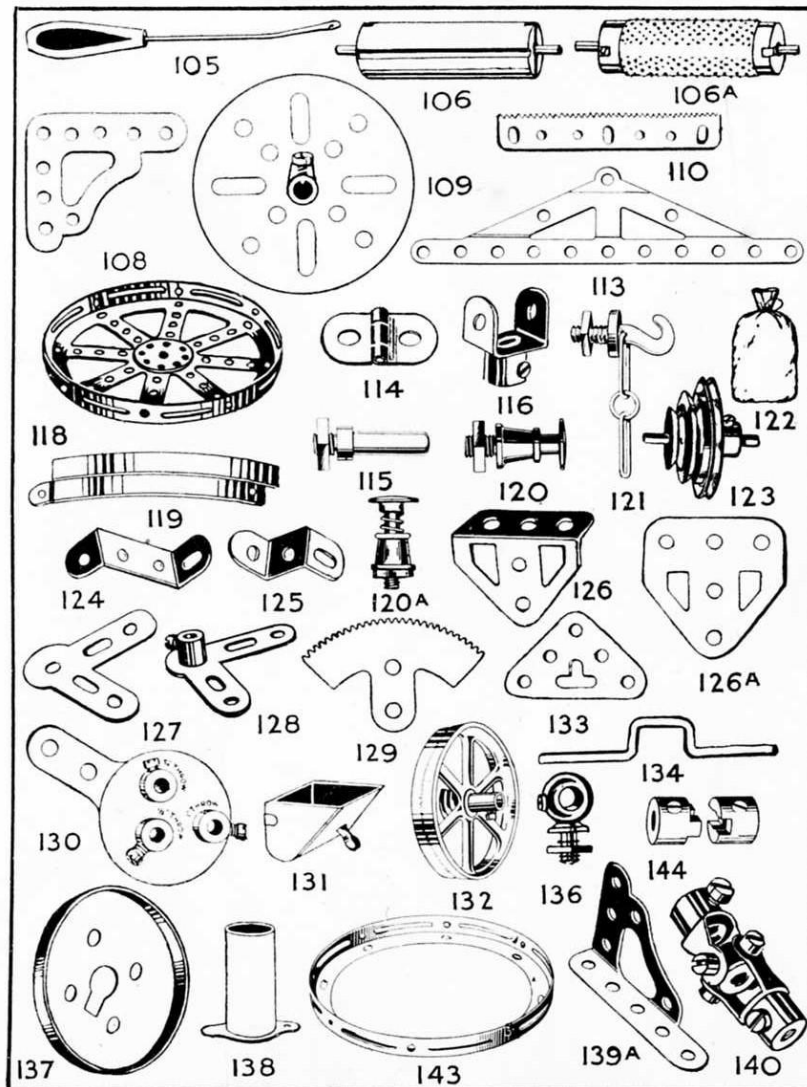
No.		s.	d.	No.		s.	d.
1.	Perforated Strips, 12½" long	½ doz.	1 0	24.	Bush Wheels	each	0 6
1a.	" " 9½" "	"	0 9	25.	Pinion Wheels, ¾" diam.	"	0 6
1b.	" " 7½" "	"	0 8	26.	" " ½" "	"	0 4
2.	" " 5½" "	"	0 6		Gear Wheels.		
2a.	" " 4½" "	"	0 5	27.	50 teeth to gear with ¾" pinion	"	0 9
3.	" " 3½" "	"	0 4	27a.	57 " " ½" "	"	0 9
4.	" " 3" "	"	0 3	27b.	133 " " ½" "	"	1 6
5.	" " 2½" "	"	0 3		(3½" diam.)	"	
6.	" " 2" "	"	0 3	28.	Contrate Wheels, 1½" diam.	"	0 9
6a.	" " 1½" "	"	0 3	29.	" " ¾" "	"	0 6
7.	Angle Girders, 24½" long	each	0 8	30.	Bevel Gears	"	0 10
7a.	" " 18½" "	"	0 6	31.	Gear Wheels, 1", 38 teeth	"	1 0
8.	" " 12½" "	½ doz.	1 9	32.	Worm Wheels	"	0 6
8a.	" " 9½" "	"	1 3	33.	Pawls (complete)	"	0 4
8b.	" " 7½" "	"	1 2	33a.	Pivot Bolts with Nuts	"	0 2
9.	" " 5½" "	"	1 0	34.	Spanners	"	0 2
9a.	" " 4½" "	"	0 10	34b.	Box Spanners	"	0 3
9b.	" " 3½" "	"	0 8	35.	Spring Clips	per box (doz.)	0 3
9c.	" " 3" "	"	0 8	36.	Screw Drivers	each	0 3
9d.	" " 2½" "	"	0 7	36a.	" Extra Long...	"	0 6
9e.	" " 2" "	"	0 6	37.	Nuts and Bolts	per box (doz.)	0 6
9f.	" " 1½" "	"	0 6	37a.	Nuts	"	0 3
10.	Flat Brackets	"	0 2	37b.	Bolts	"	0 3
11.	Double Brackets	each	0 1	38.	Washers	"	0 1
12.	Angle Brackets, ½" x ½"	doz.	0 6	40.	Hanks of Cord	2 for	0 3
12a.	" " 1" x 1"	each	0 1	41.	Propeller Blades	per pair	0 4
12b.	" " 1" x ½"	"	0 1	43.	Springs	each	0 2
13.	Axle Rods, 11½" long	"	0 3	44.	Cranked Bent Strips	"	0 1
13a.	" " 8" "	"	0 3	45.	Double Bent Strips	"	0 1
14.	" " 6½" "	"	0 2	46.	Double Angle Strips, 2½" x 1"	½ doz.	0 6
15.	" " 5" "	"	0 2	47.	" " 2½" x 1½"	"	0 9
15a.	" " 4½" "	"	0 1	47a.	" " 3" x 1½"	"	1 0
16.	" " 3½" "	"	0 1	48.	" " 1½" x 1½"	"	0 4
16a.	" " 2½" "	"	0 1	48a.	" " 2½" x 1½"	"	0 5
16b.	" " 3" "	"	0 1	48b.	" " 3½" x 1½"	"	0 6
17.	" " 2" "	"	0 1	48c.	" " 4½" x 1½"	"	0 9
18a.	" " 1½" "	"	0 1	48d.	" " 5½" x 1½"	"	0 9
18b.	" " 1" "	"	0 1	50.	Eye Pieces	each	0 2
19.	Crank Handles	"	0 3	52.	Perforated Flanged Plates, 5½" x 2½"	"	0 5
19a.	Wheels, 3" diam., with set screws	"	0 8	52a.	Flat Plates, 5½" x 3½"	"	0 5
20.	Flanged Wheels	"	0 6	53.	Perforated Flanged Plates, 3½" x 2½"	"	0 3
	Pulley Wheels.			53a.	Flat Plates, 4½" x 2½"	"	0 3
19b.	3" dia. with centre boss and set screw	each	0 8	54.	Perforated Flanged Sector Plates...	"	0 3
19c.	6" " " " " " " " " " " "	"	2 6	55.	Perforated Strips, slotted, 5½" long	"	0 2
20a.	2" " " " " " " " " " " "	"	0 6	55a.	" " 2" "	"	0 1
21.	1½" dia. with centre boss and set screw	"	0 6	56.	Instruction Manuals, Complete	"	2 6
22.	1" " " " " " " " " " " "	"	0 4	56a.	" No. 0-3	"	1 0
23a.	½" " " " " " " " " " " "	"	0 4	56b.	" No. 0	"	0 4
22a.	1" " without " " " " " " " "	"	0 2	57.	Hooks	"	0 1
23.	½" " " " " " " " " " " "	"	0 2	57a.	" (scientific)	"	0 1
				57b.	" Loaded	"	0 5
				58.	Spring Cord	per length	0 9



## Particulars and Prices of Meccano Parts (continued)

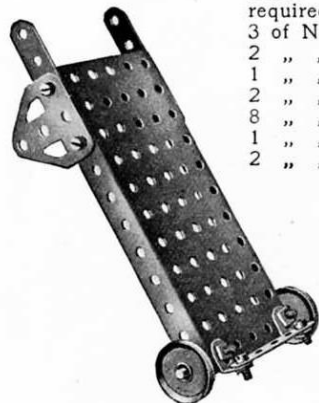
No.		s. d.	No.		s. d.
59.	Collars with Set Screws ...	each 0 2	103f.	Flat Girders, 2½" long ...	½ doz. 0 5
61.	Windmill Sails ...	" 0 2	103g.	" " 2" " ...	" 0 4
62.	Cranks ...	" 0 3	103h.	" " 1½" " ...	" 0 3
62a.	Threaded Cranks ...	" 0 4	103k.	" " 7½" " ...	" 1 3
63.	Couplings ...	" 0 6	104.	Shuttles, for looms ...	each 4 0
63a.	Octagonal Couplings ...	" 0 8	105.	Reed Hooks, for looms ...	" 0 4
63b.	Strip Couplings ...	" 0 8	106.	Wood Rollers ...	" 1 3
63c.	Threaded Couplings ...	" 0 6	106a.	Sand Rollers ...	" 1 6
64.	Threaded Bosses ...	" 0 2	107.	Tables for Designing Machines ...	" 1 0
65.	Centre Forks ...	" 0 2	108.	Architraves ...	" 0 2
66.	Weights, 50 gramme ...	" 1 0	109.	Face Plates, 2½" diam. ...	" 0 4
67.	" 25 " ...	" 1 0	110.	Rack Strips, 3½" ...	" 0 2
68.	Woodscrews, ½" ...	doz. 0 3	111.	Bolts, ¾" ...	" 0 1
69.	Set Screws ...	" 0 4	111a.	" 1" ...	2 for 0 1
69a.	Grub Screws, 5/32" ...	" 0 4	111b.	" 7/32" ...	doz. 0 4
69b.	" 7/32" ...	" 0 6	113.	Girder Frames ...	each 0 2
70.	Flat Plates, 5½" x 2½" ...	each 0 3	114.	Hinges ...	per pair 0 4
72.	" 2½" x 2½" ...	" 0 2	115.	Threaded Pins ...	each 0 2
76.	Triangular Plates, 2½" ...	" 0 2	116.	Fork Pieces ...	" 0 3
77.	" 1" ...	" 0 1	117.	Steel Balls, ½" diam. ...	doz. 0 6
78.	Screwed Rods, 11½" ...	" 0 6	118.	Hub Discs, 5½" diam. ...	each 1 3
79.	" " 8" ...	" 0 5	119.	Channel Segments (8 to circle, 11½" diam.) ...	" 0 4
79a.	" " 6" ...	" 0 4	120.	Buffers ...	" 0 2
80.	" " 5" ...	" 0 3	120a.	Spring Buffers ...	per pair 0 8
80a.	" " 3½" ...	" 0 3	121.	Train Couplings ...	each 0 4
80b.	" " 4½" ...	" 0 3	122.	Miniature Loaded Sacks ...	" 0 2
81.	" " 2" ...	" 0 2	123.	Cone Pulleys ...	" 1 3
82.	" " 1" ...	" 0 1	124.	Reversed Angle Brackets, 1" ...	½ doz. 0 10
89.	Curved Strips, 5½" ...	" 0 2	125.	" " ½" ...	" 0 6
90.	" " 2½" ...	" 0 1	126.	Trunnions ...	each 0 3
94.	Sprocket Chain ...	per length 0 6	126a.	Flat Trunnions ...	" 0 2
95.	Sprocket Wheels, 2" diam. ...	each 0 5	127.	Simple Bell Cranks ...	" 0 3
95a.	" " 1½" " ...	" 0 4	128.	Boss Bell Cranks ...	" 0 4
95b.	" " 3" " ...	" 0 6	129.	Rack Segments, 3" diam. ...	" 0 6
96.	" " 1" " ...	" 0 3	130.	Triple Throw Eccentrics ...	" 1 3
96a.	" " ¾" " ...	" 0 3	131.	Dredger Buckets ...	" 0 2
97.	Braced Girders, 3½" long ...	½ doz. 0 9	132.	Flywheels, 2½" diam. ...	" 2 3
98.	" " 2½" " ...	" 0 6	133.	Corner Brackets ...	" 0 3
99.	" " 12½" " ...	" 1 9	134.	Crank Shafts, 1" stroke ...	" 0 3
99a.	" " 9½" " ...	" 1 6	135.	Theodolite Protractors ...	" 0 3
100.	" " 5½" " ...	" 1 0	136.	Handrail Supports ...	" 0 3
101.	Healds, for looms ...	doz. 0 9	137.	Wheel Flanges ...	" 0 4
102.	Single Bent Strips ...	each 0 1	138.	Ship's Funnels ...	" 0 4
103.	Flat Girders, 5½" long ...	½ doz. 1 0	139.	Flanged Brackets (right) ...	" 0 2
103a.	" " 9½" " ...	" 1 6	139a.	" (left) ...	" 0 2
103b.	" " 12½" " ...	" 2 0	140.	Universal Couplings ...	" 0 9
103c.	" " 4½" " ...	" 0 9	141.	Wire Lines (for suspending clock weights) ...	" 0 9
103d.	" " 3½" " ...	" 0 7	142.	Rubber Rings ...	" 0 4
103e.	" " 3" " ...	" 0 6	143.	Circular Girders, 5½" diam. ...	" 1 0
			144.	Dog Clutches ...	" 0 6
			145.	Circular Strips, 7" diam. over all ...	" 1 0
			146.	" Flates, 6" " ...	" 1 3

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.



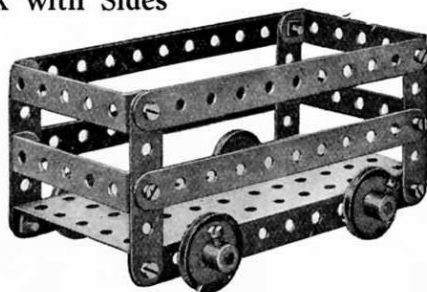
## Trucks and Luggage Carts

**Model No. 1  
Flat Truck**



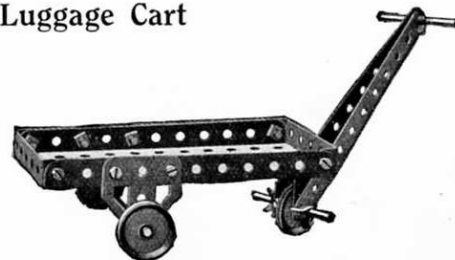
Parts  
required :  
3 of No. 5  
2 " " 12  
1 " " 16  
2 " " 22  
8 " " 37  
1 " " 52  
2 " " 126A

**Model No. 2  
Truck with Sides**



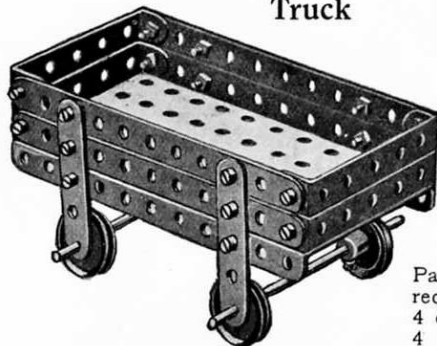
Parts required :  
4 of No. 2 | 4 of No. 22  
4 " " 5 | 12 " " 37  
2 " " 16 | 4 " " 48A  
1 of No. 52

**Model No. 3  
Luggage Cart**



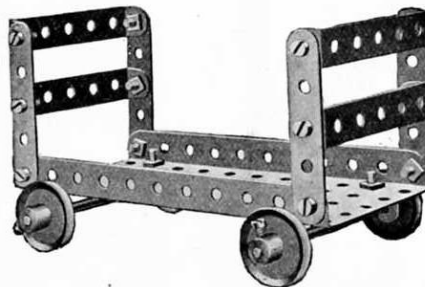
Parts required :  
2 of No. 2 | 9 of No. 37  
1 " " 16 | 1 " " 44  
2 " " 17 | 2 " " 48A  
3 " " 22 | 1 " " 52  
4 " " 35 | 2 " " 126A

**Model No. 4  
Truck**



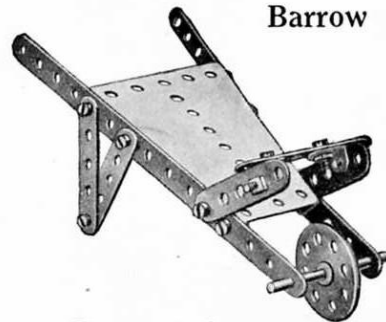
Parts  
required :  
4 of No. 2  
4 " " 5  
2 " " 16  
4 " " 22  
16 " " 37  
4 " " 48A  
1 " " 52

**Model No. 5  
Luggage Truck**



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

**Model No. 6  
Barrow**

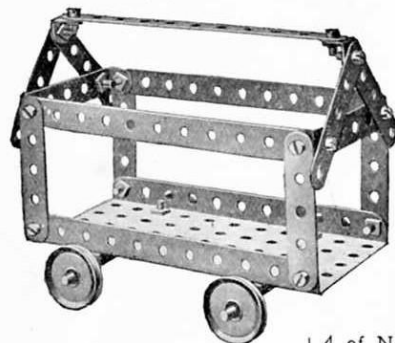


Parts required :  
2 of No. 2 | 1 of No. 24  
9 " " 5 | 2 " " 35  
2 " " 12 | 14 " " 37  
1 " " 17 | 1 " " 54



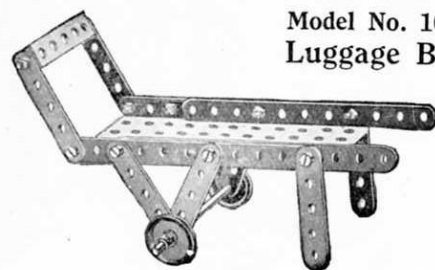
These Models can be made with MECCANO Outfit No. 0.

Model No. 7  
Covered Truck



Parts required:

3 of No. 2	2 of No. 12	4 of No. 22
8 " " 5	2 " " 16	20 " " 37
		4 " " 48A
		1 " " 52

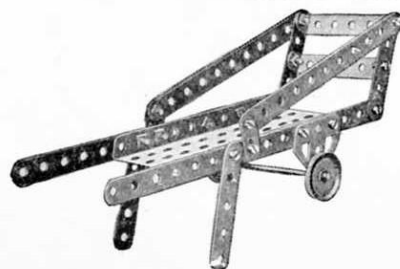


Model No. 10  
Luggage Barrow

Parts required:

2 of No. 2	2
8 " " 5	5
1 " " 16	16
2 " " 22	22
10 " " 37	37
1 " " 48A	48A
1 " " 52	52

Model No. 13 Coster's Barrow

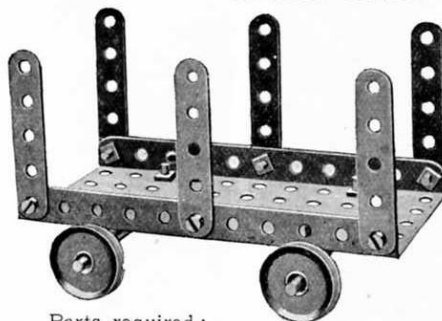


Parts required:

4 of No. 2	2
4 " " 5	5
1 " " 16	16
2 " " 22	22
16 " " 37	37
2 " " 48A	48A
1 " " 52	52
2 " " 126A	126A

## Trucks and Luggage Carts (continued)

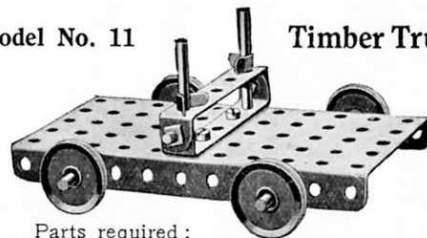
Model No. 8 Timber Truck



Parts required:

6 of No. 5	10 of No. 37
2 " " 16	2 " " 48A
4 " " 22	1 " " 52

Model No. 11 Timber Truck



Parts required:

2 of No. 16	4 of No. 35
2 " " 17	4 " " 37
4 " " 22	2 " " 48A
1 of No. 52	

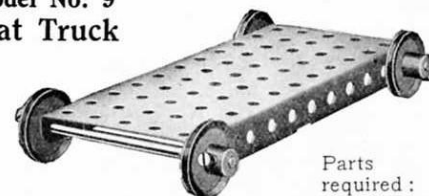
Model No. 14 Timber Drag



Parts required:

4 of No. 2	2 of No. 16	8 of No. 37
2 " " 11	4 " " 22	4 " " 48A

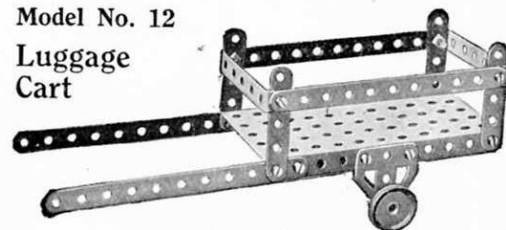
Model No. 9  
Flat Truck



Parts required:

2 of No. 16
4 " " 22
1 " " 52

Model No. 12  
Luggage Cart



Parts required:

4 of No. 2	14 of No. 37
4 " " 5	2 " " 48A
1 " " 16	1 " " 52
2 " " 22	2 " " 126A

Model No. 15  
Bath Chair



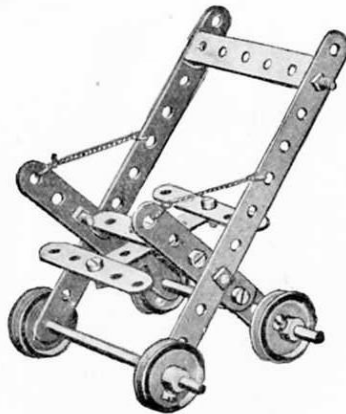
Parts required:

2 of No. 2	2 of No. 17	13 of No. 37
6 " " 5	3 " " 22	1 " " 44
1 " " 16	4 " " 35	3 " " 48A
	1 " " 52	

These Models can be made with MECCANO Outfit No. 0.

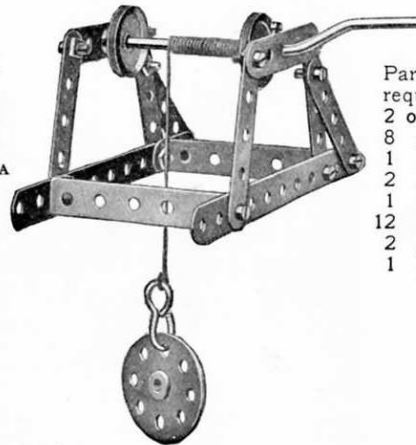
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**Model No. 16**  
**Go Chair**



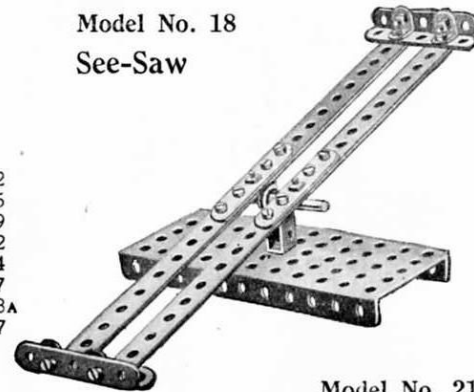
Parts  
required :  
2 of No. 2  
7 " " 5  
2 " " 16  
4 " " 22  
11 " " 37  
2 " " 48A

**Model No. 17 Well Windlass**



Parts  
required :  
2 of No. 2  
8 " " 5  
1 " " 19  
2 " " 22  
1 " " 24  
12 " " 37  
2 " " 48A  
1 " " 57

**Model No. 18**  
**See-Saw**



Parts  
required :  
4 of No. 2  
6 " " 5  
6 " " 12  
1 " " 17  
15 " " 37  
1 " " 44  
1 " " 52

**Potter's Wheel**  
(underneath view)

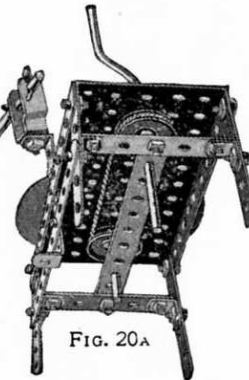


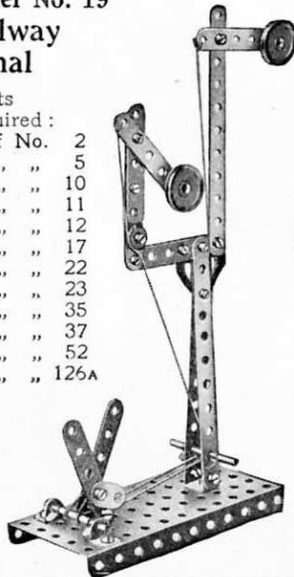
FIG. 20A

Parts required :

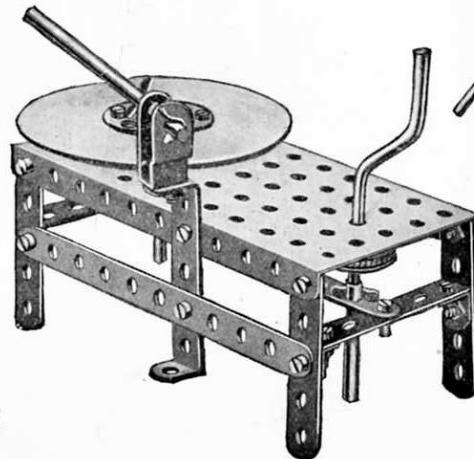
3 of No. 2	2	1 of No. 24
4 " " 5	2 " " 35	
1 " " 16	17 " " 37	
1 " " 19	1 " " 44	
2 " " 22	3 " " 48A	
1 of No. 52		

**Model No. 19**  
**Railway Signal**

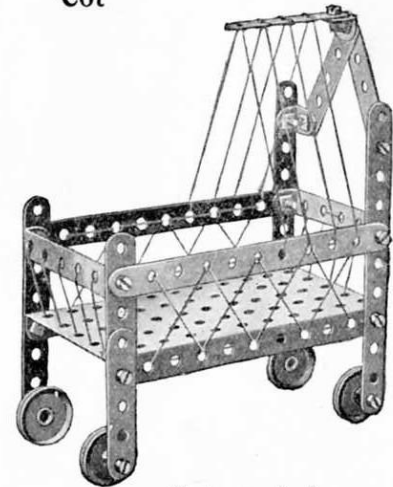
Parts  
required :  
3 of No. 2  
7 " " 5  
2 " " 10  
2 " " 11  
2 " " 12  
2 " " 17  
2 " " 22  
1 " " 23  
4 " " 35  
21 " " 37  
1 " " 52  
1 " " 126A



**Model No. 20**  
**Potter's Wheel**



**Model No. 21**  
**Cot**

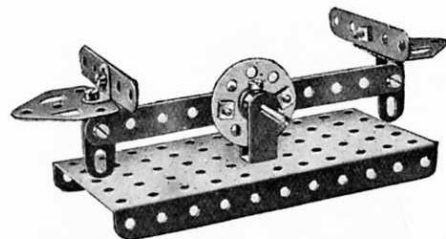


Parts required :

4 of No. 2	4 of No. 22
7 " " 5	18 " " 37
3 " " 12	2 " " 48A
1 of No. 52	

These Models can be made with MECCANO Outfit No. 0.

**Model No. 22 Scales**

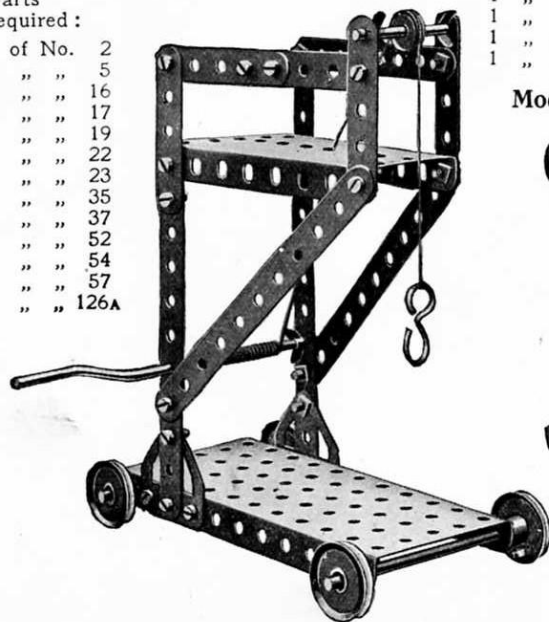


1 of No. 2	2 of No. 12	9 of No. 37
2 " " 5	1 " " 17	1 " " 44
2 " " 10	1 " " 24	1 " " 52
	2 " " 126A	

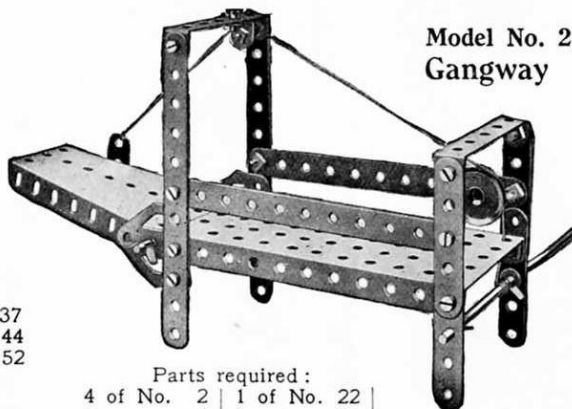
**Model No. 25 Tower Wagon**

Parts required:

4 of No. 2
8 " " 5
2 " " 16
1 " " 17
1 " " 19
4 " " 22
1 " " 23
4 " " 35
24 " " 37
1 " " 52
1 " " 54
1 " " 57
2 " " 126A



**Model No. 23 Gangway**



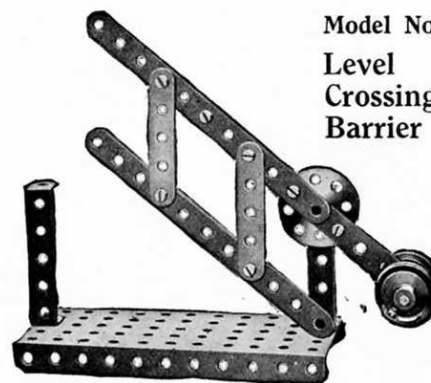
4 of No. 2	1 of No. 22	1 of No. 54
4 " " 5	1 " " 23	2 " " 126A
1 " " 10	4 " " 35	
1 " " 12	18 " " 37	
1 " " 16	2 " " 48A	
1 " " 19	1 " " 52	

**Model No. 26 Pulley Shaft**



4 of No. 2	10 of No. 37
4 " " 12	2 " " 38
1 " " 16	1 " " 52
4 " " 22	

**Model No. 24 Level Crossing Barrier**



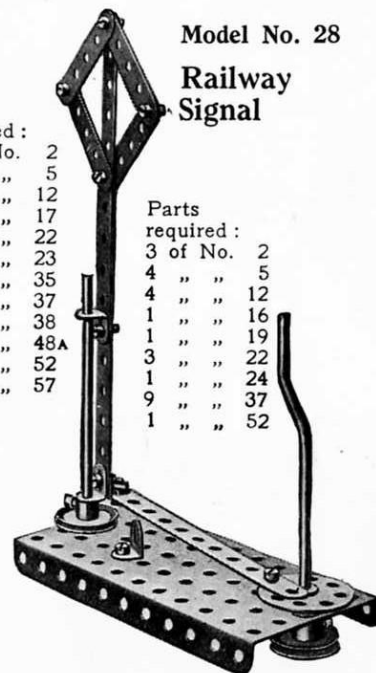
Parts required:	
3 of No. 2	
2 " " 5	
1 " " 17	
4 " " 22	
1 " " 24	
10 " " 37	
2 " " 48A	
1 " " 52	

**Model No. 27 Hoisting Block**



Parts required:	
4 of No. 2	
6 " " 5	
6 " " 12	
1 " " 17	
1 " " 22	
1 " " 23	
2 " " 35	
25 " " 37	
3 " " 38	
2 " " 48A	
1 " " 52	
1 " " 57	

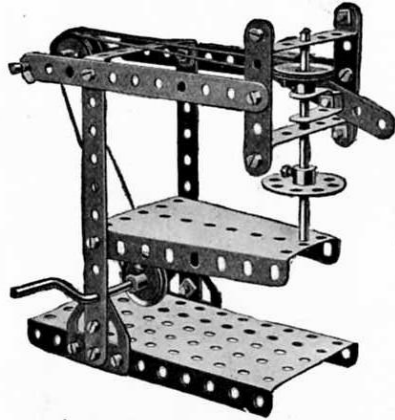
**Model No. 28 Railway Signal**



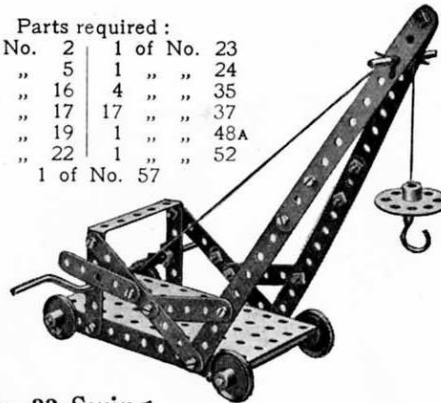
Parts required:	
3 of No. 2	
4 " " 5	
4 " " 12	
1 " " 16	
1 " " 19	
3 " " 22	
1 " " 24	
9 " " 37	
1 " " 52	



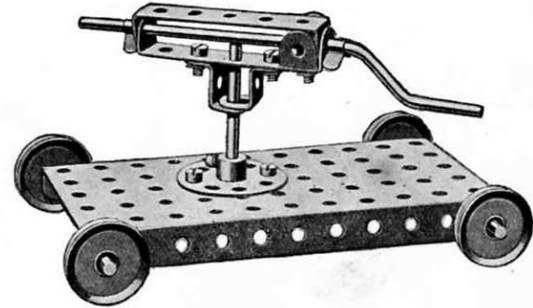
These Models can be made with MECCANO Outfit No. 0.

**Model No. 29 Drilling Machine**

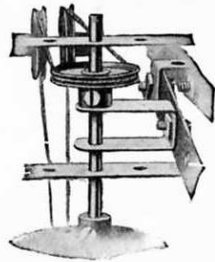
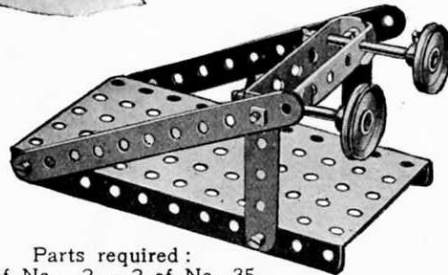
Parts required :	
4 of No. 2	2
3 " " 5	5
1 " " 11	11
2 " " 16	16
1 " " 19	19
4 " " 22	22
1 " " 24	24
4 " " 35	35
19 " " 37	37
1 " " 44	44
3 " " 48A	48A
1 " " 52	52
1 " " 54	54
2 " " 126A	126A

**Model No. 30 Jib Crane**

Parts required :	
4 of No. 2	1 of No. 23
9 " " 5	1 " " 24
2 " " 16	4 " " 35
1 " " 17	17 " " 37
1 " " 19	1 " " 48A
4 " " 22	1 " " 52
1 of No. 57	

**Model No. 31 Rock Drill**

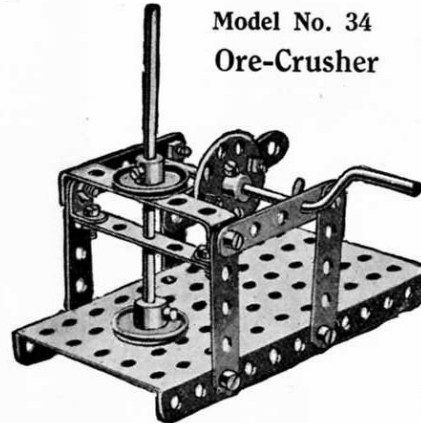
Parts required :		1 of No. 19	4 of No. 37
4 " " 22	2 " " 48A		
2 of No. 16	1 " " 52		
1 " " 17	2 " " 125		

FIG. 29A  
(Detail of  
Drilling  
Machine)**Model No. 32  
Buffers**

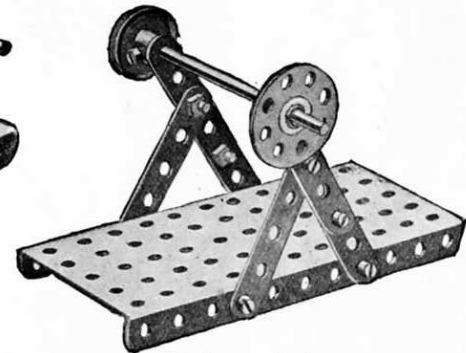
Parts required :	
2 of No. 2	2 of No. 35
2 " " 5	6 " " 37
2 " " 17	2 " " 48A
2 " " 22	1 " " 52

**Model No. 33 Swing**

Parts required :	
4 of No. 2	20 of No. 37
4 " " 5	1 " " 48A
6 " " 12	1 " " 52

**Model No. 34  
Ore-Crusher**

Parts required :	
6 of No. 5	1 of No. 24
2 " " 10	2 " " 35
1 " " 16	10 " " 37
1 " " 19	2 " " 48A
2 " " 22	1 " " 52

**Model No. 35  
Buffing Spindle**

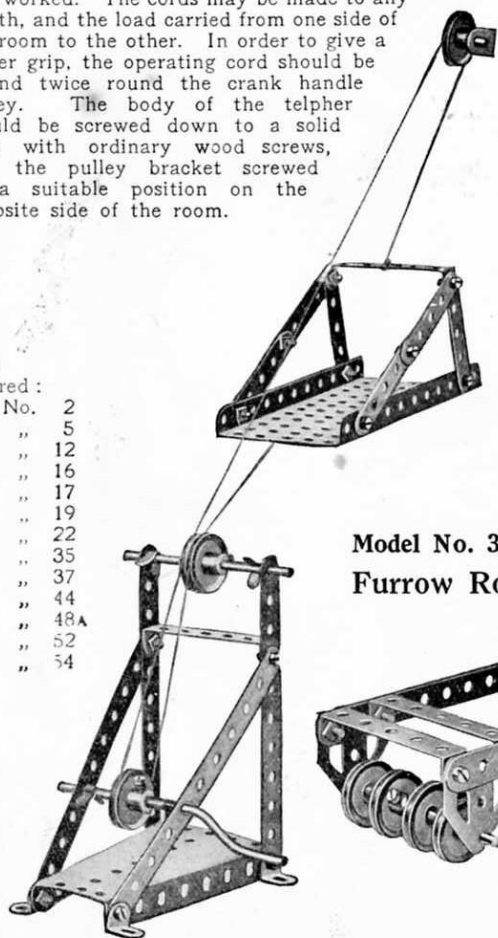
Parts required :	
6 of No. 5	1 of No. 24
1 " " 16	8 " " 37
1 " " 22	1 " " 52

**Model No. 36 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.

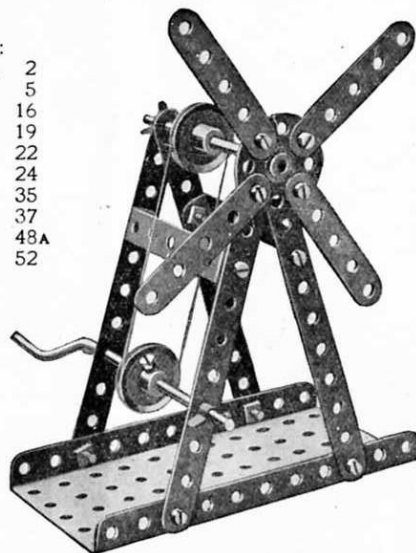
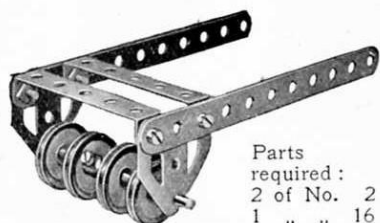
Parts required:

4 of No.	2
6 " "	5
4 " "	12
1 " "	16
1 " "	17
1 " "	19
4 " "	22
6 " "	35
14 " "	37
1 " "	44
2 " "	48A
1 " "	52
1 " "	54

**Model No. 37 Windmill**

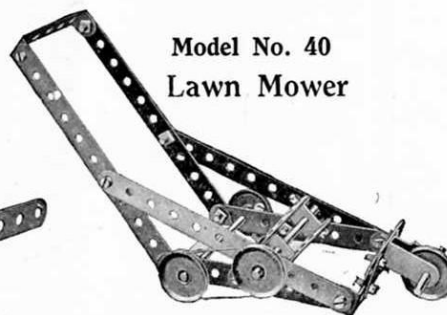
Parts required:

4 of No.	2
4 " "	5
1 " "	16
1 " "	19
2 " "	22
1 " "	24
4 " "	35
12 " "	37
2 " "	48A
1 " "	52

**Model No. 39 Furrow Roller**

Parts required:

2 of No.	2
1 " "	16
4 " "	22
4 " "	37
2 " "	48A
2 " "	126A

**Model No. 40 Lawn Mower**

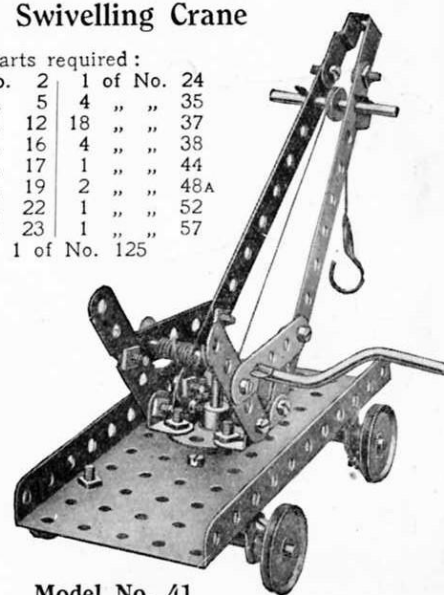
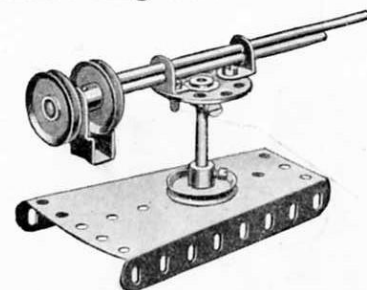
Parts required:

4 of No.	2	1 of No.	17
7 " "	5	4 " "	22
2 " "	11	19 " "	37
2 " "	16	1 " "	44
3 of No. 48A			

**Model No. 38 Swivelling Crane**

Parts required:

2 of No.	2	1 of No.	24
4 " "	5	4 " "	35
4 " "	12	18 " "	37
2 " "	16	4 " "	38
2 " "	17	1 " "	44
1 " "	19	2 " "	48A
4 " "	22	1 " "	52
1 " "	23	1 " "	57
1 of No. 125			

**Model No. 41 Quick-Firing Gun**

Parts required:

2 of No.	12	1 of No.	24
2 " "	16	4 " "	37
1 " "	17	1 " "	44
1 of No. 54			

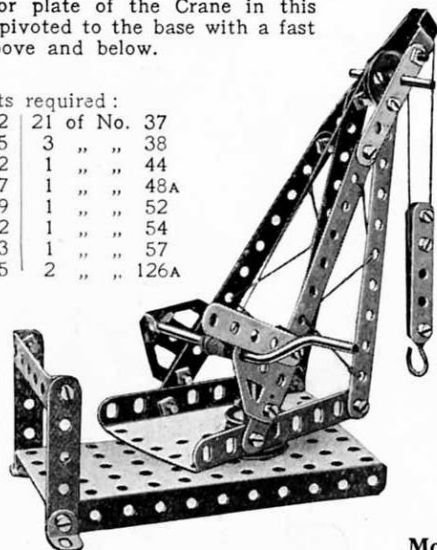
These Models can be made with MECCANO Outfit No. 0.

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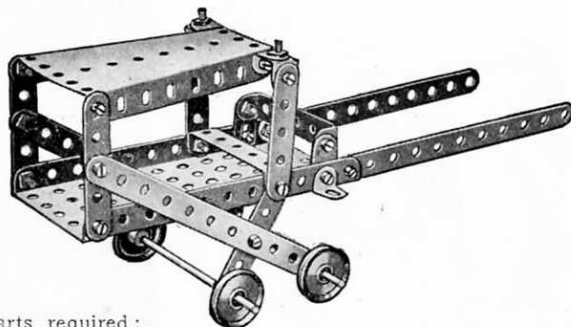
**Model No. 42 Swivelling Crane**

The sector plate of the Crane in this model is pivoted to the base with a fast pulley above and below.

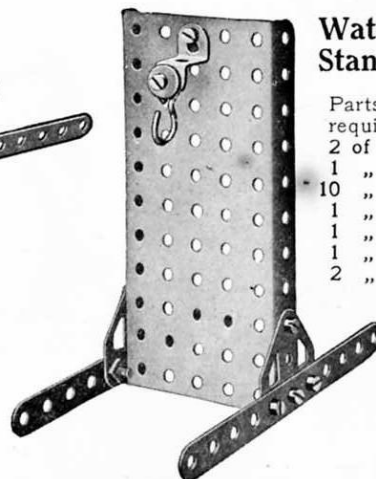
Parts required:			
4 of No.	2	21 of No.	37
7 " "	5	3 " "	38
2 " "	12	1 " "	44
2 " "	17	1 " "	48A
1 " "	19	1 " "	52
4 " "	22	1 " "	54
1 " "	23	1 " "	57
2 " "	35	2 " "	126A

**Model No. 43 Ticca Gharry**

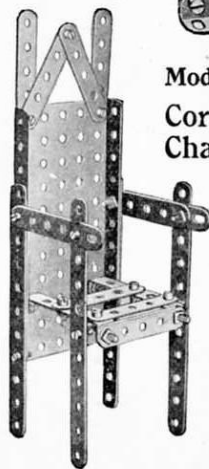
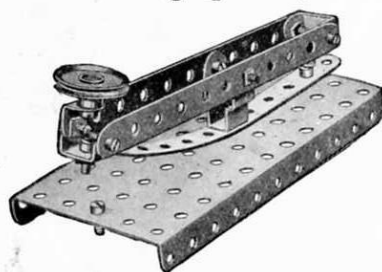
Parts required:			
4 of No.	2	2 of No.	16
6 " "	5	4 " "	22
2 " "	10	22 " "	37
6 " "	12	1 " "	52
1 of No. 54			

**Model No. 44****Watch Stand**

Parts required:			
2 of No.	2		
1 " "	23		
10 " "	37		
1 " "	52		
1 " "	57		
1 " "	125		
2 " "	126A		

**Model No. 45  
Coronation Chair**

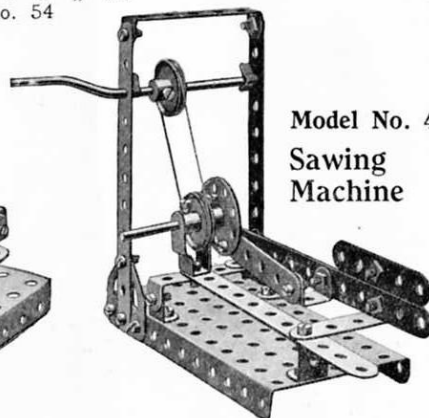
Parts required:			
4 of No.	2		
9 " "	5		
2 " "	10		
2 " "	12		
19 " "	37		
2 " "	48A		
1 " "	52		

**Model No. 46  
Telegraph Key**

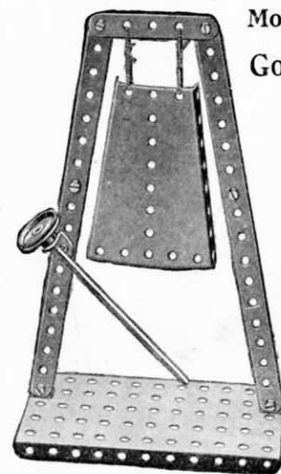
Parts required:			
3 of No.	2	1 of No.	22
1 " "	10	11 " "	37
2 " "	11	1 " "	44
1 " "	12	1 " "	52

**Model No. 47  
Sawing Machine**

Parts required:			
4 of No.	2	1 of No.	24
3 " "	3	2 " "	35
4 " "	12	23 " "	37
1 " "	17	1 " "	44
1 " "	19	2 " "	48A
2 " "	22	1 " "	52
2 of No. 126A			

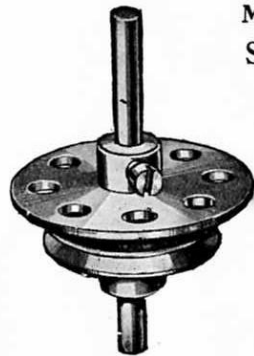
**Model No. 48  
Gong**

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





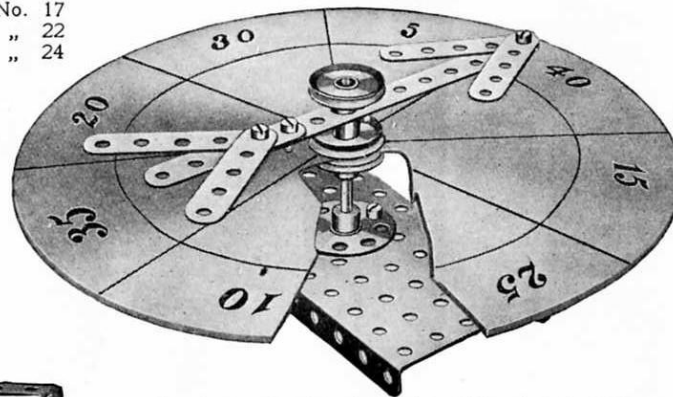
**Model No. 49**  
**Spinning Top**



Parts  
required :  
1 of No. 17  
1 " " 22  
1 " " 24

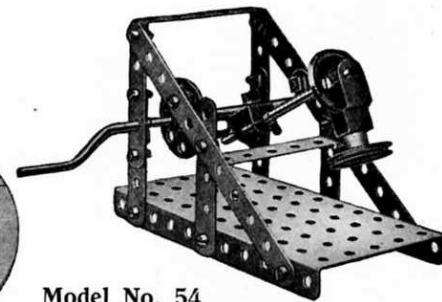
**Model No. 50 Roulette Wheel**

Parts required :	5 of No. 5	1 of No. 24
1 of No. 2	1 " " 16	5 " " 37
	3 " " 22	1 " " 52



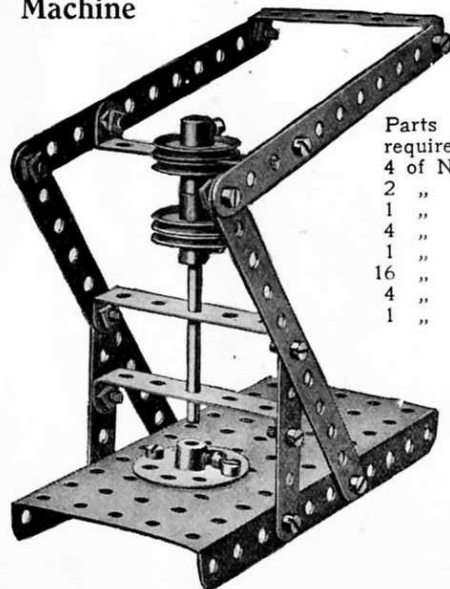
Cut out a circular piece of cardboard and mark as shown to form scoring board. This is clamped between two 1" pulley wheels. The pointer revolves freely on the upright spindle and is held in position by another 1" pulley wheel.

**Model No. 51**  
**Mechanical Hammer**



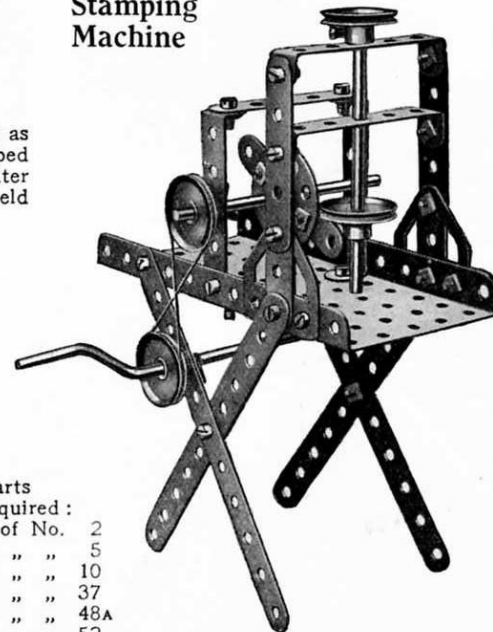
Parts  
required :  
2 of No. 2  
6 " " 5  
1 " " 11  
1 " " 12  
1 " " 16  
1 " " 19  
2 " " 22  
1 " " 24  
4 " " 35  
18 " " 37  
1 " " 44  
3 " " 48A  
1 " " 52

**Model No. 52**  
**Punching Machine**



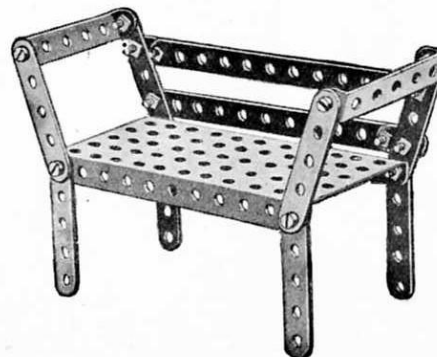
Parts  
required :  
4 of No. 2  
2 " " 5  
1 " " 16  
4 " " 22  
1 " " 24  
16 " " 37  
4 " " 48A  
1 " " 52

**Model No. 54**  
**Stamping Machine**



Parts  
required :  
4 of No. 2  
4 " " 5  
1 " " 16  
1 " " 19  
4 " " 22  
1 " " 24  
2 " " 35  
20 " " 37  
4 " " 48A  
1 " " 52  
2 " " 126A

**Model No. 53 Settee**

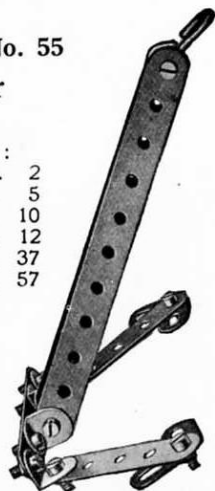


Parts  
required :  
2 of No. 2  
8 " " 5  
3 " " 10  
15 " " 37  
2 " " 48A  
1 " " 52

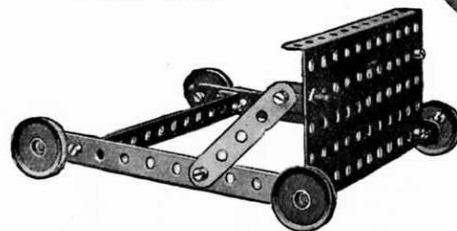
These Models can be made with MECCANO Outfit No. 0.

**Model No. 55**  
**Anchor**

Parts  
required :  
2 of No. 2  
3 " " 5  
4 " " 10  
4 " " 12  
11 " " 37  
1 " " 57

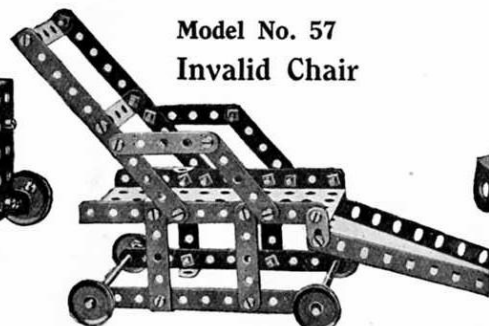


**Model No. 56**  
**Devil Wall**



Parts required :  
3 of No. 2 | 4 of No. 22  
2 " " 5 | 18 " " 37  
6 " " 12 | 1 " " 52

**Model No. 57**  
**Invalid Chair**



Parts  
required :  
2 of No. 10 | 4 of No. 48A  
2 " " 16 | 1 " " 52  
4 of No. 2 | 4 " " 22 | 1 " " 54  
6 " " 5 | 24 " " 37

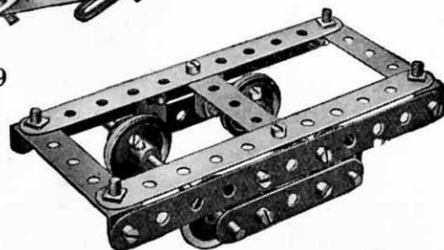
**Model No. 58**  
**Grill**



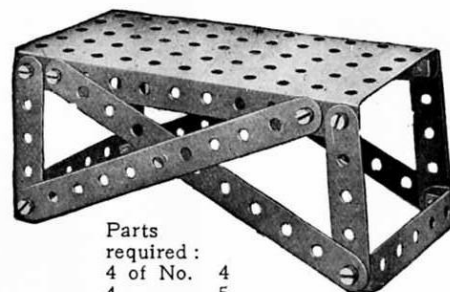
Parts required :  
1 of No. 2 | 6 of No. 37  
2 " " 5 | 2 " " 48A

**Model No. 59**  
**Bogie Car**

Parts  
required :  
4 of No. 2  
3 " " 5  
4 " " 10  
2 " " 16  
4 " " 22  
18 " " 37

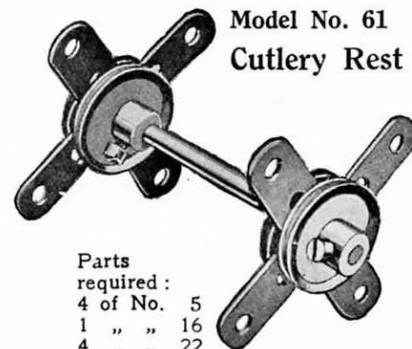


**Model No. 60** **Fire Stand**



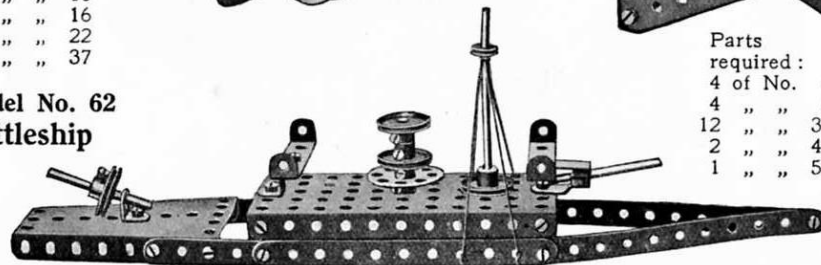
Parts  
required :  
4 of No. 4  
4 " " 5  
12 " " 37  
2 " " 48A  
1 " " 52

**Model No. 61**  
**Cutlery Rest**



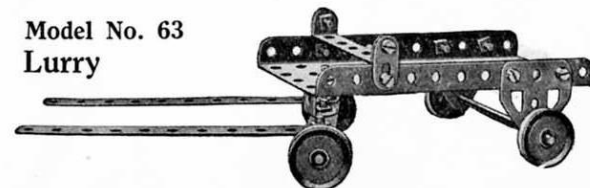
Parts  
required :  
4 of No. 5  
1 " " 16  
4 " " 22

**Model No. 62**  
**Battleship**



Parts required :  
4 of No. 2 | 1 of No. 16 | 1 of No. 24 | 2 of No. 48A  
3 " " 5 | 2 " " 17 | 3 " " 35 | 1 " " 52  
4 " " 10 | 4 " " 22 | 19 " " 37 | 1 " " 54  
1 " " 12 | 1 " " 23 | 1 " " 44 | 1 " " 125

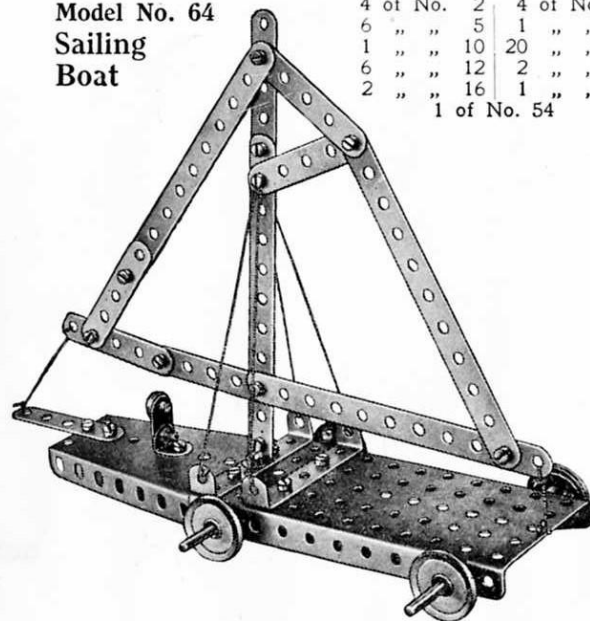
**Model No. 63**  
**Lorry**



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

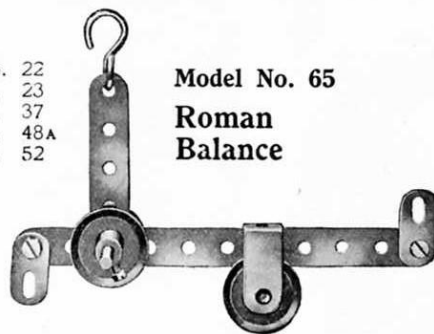
These Models can be made with MECCANO Outfit No. 0.

**Model No. 64**  
**Sailing**  
**Boat**



Parts required:  
 4 of No. 2    4 of No. 22  
 6 " " 5    1 " " 23  
 1 " " 10    20 " " 37  
 6 " " 12    2 " " 48A  
 2 " " 16    1 " " 52  
 1 of No. 54

**Model No. 65**  
**Roman**  
**Balance**



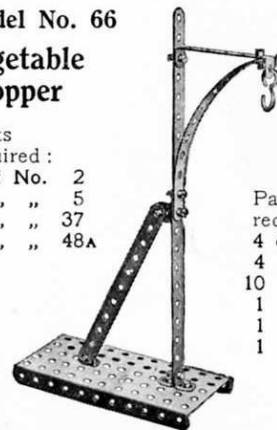
Parts required:  
 1 of No. 2    3 of No. 22  
 1 " " 5    3 " " 37  
 2 " " 10    1 " " 44  
 1 " " 17    1 " " 57

**Model No. 66**  
**Vegetable**  
**Chopper**



Parts required:  
 4 of No. 2  
 4 " " 5  
 18 " " 37  
 4 " " 48A

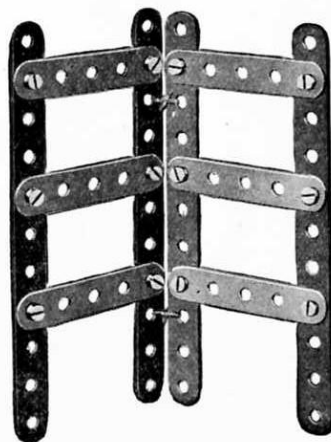
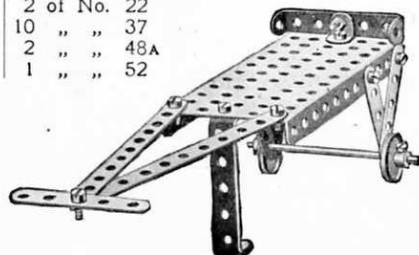
**Model No. 67**  
**Mail-Bag**  
**Hanger**



Parts required:  
 4 of No. 2  
 4 " " 12  
 10 " " 37  
 1 " " 48A  
 1 " " 52  
 1 " " 57

**Model No. 68**    **Shipyard Bogie**

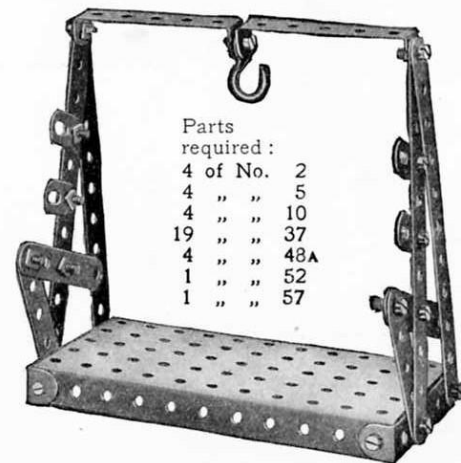
Parts required:  
 2 of No. 2    2 of No. 22  
 5 " " 5    10 " " 37  
 1 " " 12    2 " " 48A  
 1 " " 16    1 " " 52



**Model No. 69**  
**Clothes**  
**Horse**

Parts required:  
 4 of No. 2  
 6 " " 5  
 12 " " 37

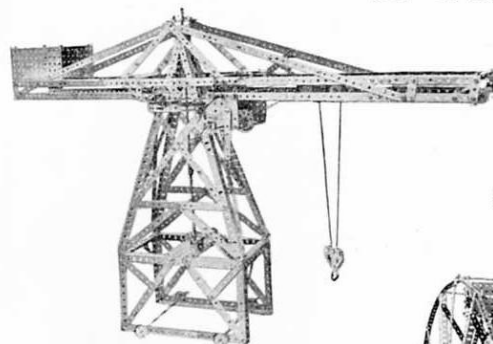
**Model No. 70**    **Pen Rack**



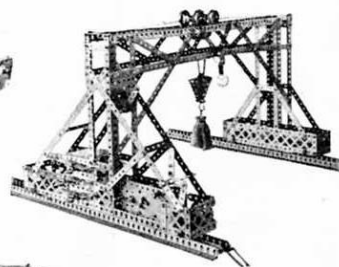
Parts required:  
 4 of No. 2  
 4 " " 5  
 4 " " 10  
 19 " " 37  
 4 " " 48A  
 1 " " 52  
 1 " " 57



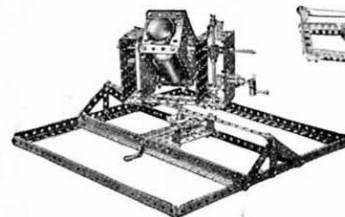
# A FEW CHOICE MECCANO MODELS



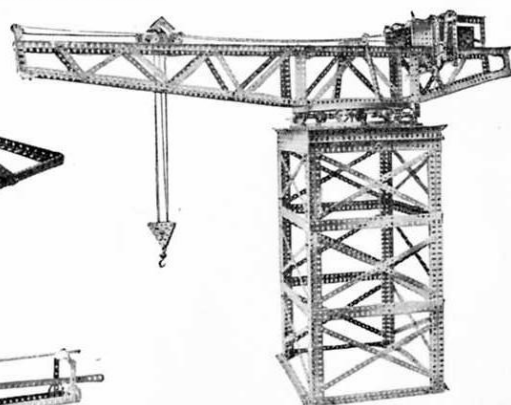
*Radial Crane*



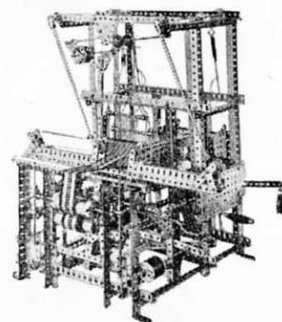
*Travelling Gantry Crane*



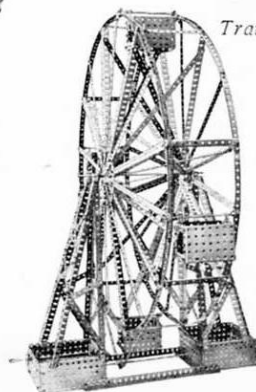
*Searchlight*



*Hammer-Head Crane*

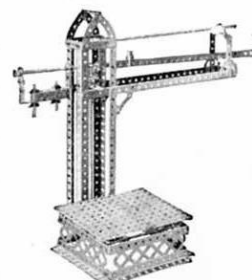


*Loom*

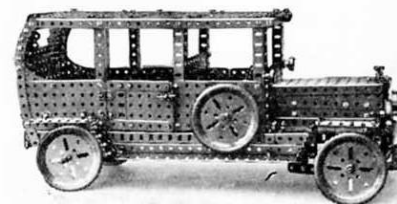


*Big Wheel*

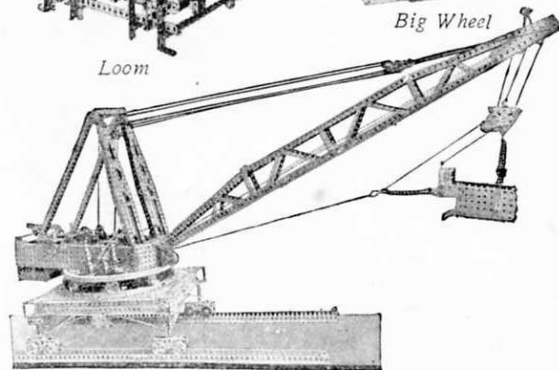
Here is a selection of splendid Meccano models that any boy may build without study. Full instructions for building them (as well as many other fine models) are contained in the Complete Meccano Manual—price 2/10 (post free).



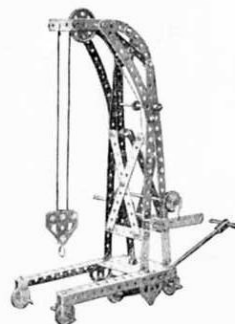
*Platform Scales*



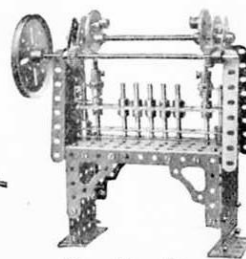
*Meccano Limousine*



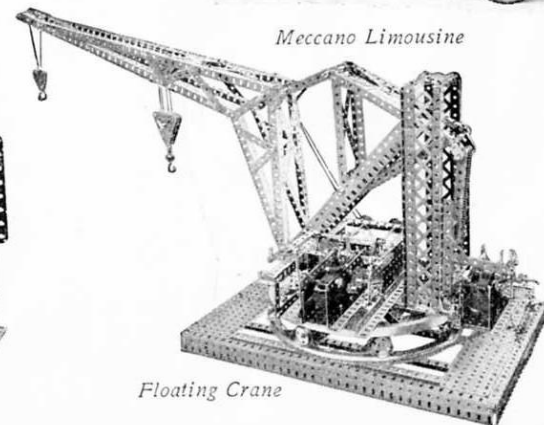
*Dragline*



*Platform Crane*



*Punching Press*



*Floating Crane*

# 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. For prices see page 18.

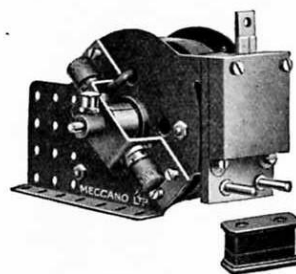
## Electrical Outfit

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 may be used in conjunction with any of the regular Outfits.



For price see page 18.



## 100-230-Volt Electric Motor

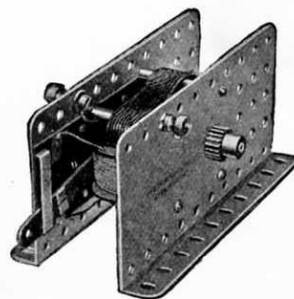
This Electric Motor may be employed for any purpose for which a small motor is suitable, but it is specially adapted for driving Meccano models. The side plates are perforated with standard equidistant holes, thus allowing the motor to be built into any Meccano model. The motor is specially designed for connection with the electric-light main. It is supplied for 100-120 volts or 200-230 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 200-230 volt current, and this is supplied by connecting a 20-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. For prices see page 18.

## 4-Volt Electric Motor

The 4-volt motor is also specially designed to build into Meccano models. It is a most reliable and powerful model and when properly geared will lift over 30 lbs. dead weight. It may be run by a 4-volt accumulator, or by employing a suitable transformer, direct from the main. Fitted with reversing motion, provided with stopping and starting controls, and the gearing is interchangeable.

For price see page 18.



## 4-Volt Accumulator

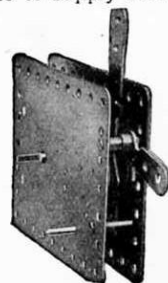
This new and excellent type of accumulator has been adapted to drive the Meccano Electric Motor. It has been subjected to the severest tests and has proved itself to be the most suitable accumulator for use with any type of electric motor. It is non-spillable, has remarkable recuperative powers, and will continue to supply current when nominally exhausted.

For price see page 18.

## 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 price see page 18.



# HORNBY CLOCK WORK TRAINS

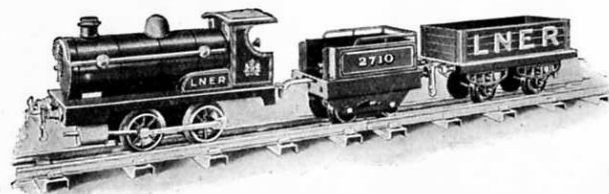
THE HORNBY TRAINS are manufactured by Meccano Ltd., and they are built on the Meccano principle. All the parts are standardised and any lost or damaged part may be replaced with a new one. *A Hornby Train lasts for ever!* The Hornby Train is a beautiful piece of workmanship, with perfect clockwork mechanism, ensuring smooth running. Each Train is guaranteed by Meccano Ltd.

**No. 1 PASSENGER SET.**—Gauge 0. Each Set contains Loco, Tender, and two Coaches, with rails for a 2 ft. diameter circle and two straights. The Loco is fitted with reversing gear, brake and governor. In colours to represent the L.M.S. or L.N.E.R. Companies' rolling stock.

Complete in brown leather-finished gold-embossed box, 30/-



*No. 1 Passenger Set*



*No. 1 Goods Set*

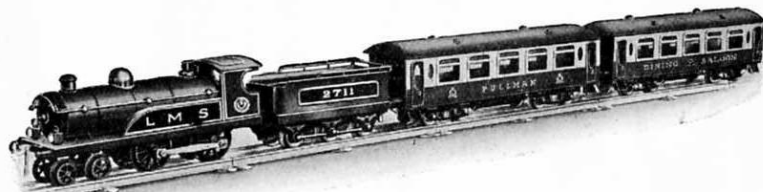
**No. 1 GOODS SET.**—Gauge 0. Similar in every way to No. 1 Passenger Set, except that this set contains Loco, Tender and one Wagon.

Complete in strong attractive gold-embossed box, 22/6

Prices of Locos, etc., separately : LOCOS, 15/- ; TENDERS, 2/6 ; PASSENGER COACHES, 5/- ; WAGONS, 2/6.

**No. 2 PULLMAN SET.**—This Set includes Loco and Tender of a larger type, measuring 17" in length. A superior mechanism has been adopted, making this the most attractive and satisfactory clockwork train yet produced. The Coaches are beautiful, both in colour and finish. Each Set includes Loco, Tender, one Pullman and one Dining Coach, as illustrated, with set of rails making a 4 ft. diameter circle. Gauge 0. In colours to represent the L.M.S. or L.N.E.R. Companies' rolling stock. The Loco is fitted with reversing gear, brake and governor.

Complete Set in gold-embossed box, 60/-



*No. 2 Pullman Set*

**No. 2 GOODS SET.**—Similar to No. 2 Pullman Set but two Wagons in place of Coaches. Complete Set in gold-embossed box, 37/6.

Prices of Locos, etc., separately : LOCOS, 22/6 ; TENDERS, 3/6 ; PULLMAN OR DINING CARS, 15/- ; WAGONS, 3/6.

SEND FOR SPECIAL LIST OF RAILS, POINTS AND CROSSINGS.



## MECCANO PRICE LIST

### MECCANO OUTFITS

No. 00	Meccano Outfit	...	...	...	3/6
" 0	" "	...	...	...	5/-
" 1	" "	...	...	...	8/6
" 2	" "	...	...	...	15/-
" 3	" "	...	...	...	22/6
" 4	" "	...	...	...	40/-
" 5*	" " (Carton)	...	...	...	55/-
" 5*	" Presentation Outfit	...	...	...	85/-
" 6*	" Outfit (Carton)	...	...	...	105/-
" 6*	" Presentation Outfit	...	...	...	140/-
" 7	" "	...	...	...	370/-

### ACCESSORY OUTFITS

No. 00A	Meccano Outfit	...	...	...	1/6
" 0A	" "	...	...	...	4/-
" 1A	" "	...	...	...	7/6
" 2A	" "	...	...	...	8/6
" 3A	" "	...	...	...	18/6
" 4A	" "	...	...	...	15/-
" 5A*	" " (Carton)	...	...	...	50/-
" 5A*	" " (Wood)	...	...	...	80/-
" 6A	" "	...	...	...	210/-
	Meccano Clockwork Motor	...	...	...	7/6
	100-230-Volt Electric Motor	...	...	...	32/6
	4-Volt Electric Motor	...	...	...	12/6
	Lamp Board (with Lamp-holder and Switch)	...	...	...	4/6
	Meccano Electrical Outfit	...	...	...	42/-
	4-Volt Accumulator	...	...	...	17/6

\*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.

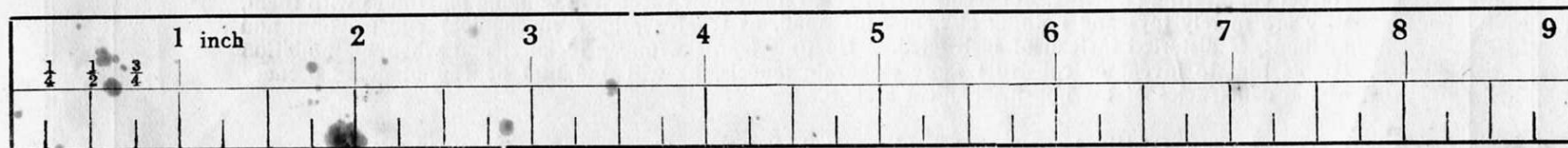
Meccano is sold in nine different Outfits, numbered 00 to 7. All parts are of the same high quality and finish, the larger Outfits containing a greater quantity and variety of parts.

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.

# CONTENTS OF No. 0 OUTFIT

No.	Quantity.	No.	Quantity.	No.	Quantity.
2. $5\frac{1}{2}$ " Perforated Strips .. ..	4	22. 1" Pulley Wheels (with Set-screw)	4	44. Cranked Bent Strip .. ..	1
5. $2\frac{1}{2}$ " " " .. ..	9	23. $\frac{1}{2}$ " " Wheel (without Set-screw)	1	48A. $2\frac{1}{2}$ " $\times$ $\frac{1}{2}$ " Double Angle Strips	4
10. Flat Brackets .. ..	5	24. Bush Wheel .. ..	1	52. Perforated Flanged Plate, $5\frac{1}{2}$ " $\times$ $2\frac{1}{2}$ "	1
11. Double " " .. ..	2	35. Spring Clips .. ..	6	54. " " Sector Plate	1
12. Angle " $\frac{1}{2}$ " $\times$ $\frac{1}{2}$ " .. ..	8	36. Screwdriver .. ..	1	56B. Manual of Instructions No. 0	1
16. $3\frac{1}{2}$ " Axle Rods .. ..	2	37. Nuts and Bolts .. ..	25	57. Hook .. ..	1
17. 2" " " .. ..	2	38. Washers .. ..	6	125. $\frac{1}{2}$ " Reversed Angle Brackets	2
19. Crank Handle .. ..	1	40. Hank of Cord .. ..	1	126A. Flat Trunnions .. ..	2

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





# MECCANO

Hornby's Original System, First Patented 1901

PATENTS AND DESIGNS, GREAT BRITAIN :

3,869/14	139,125	671,212	682,208	699,653
4,183/14	170,785	671,484	682,209	699,654
4,564/15	177,430	671,485	682,934	
20,535/13	577,207	671,534	683,011	
21,117/12	577,272	671,790	686,112	
22,962/13	648,958	680,416	698,054	

## Meccano is more than a Toy

**I**T 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