

MECCANO

HORNBY'S ORIGINAL SYSTEM — FIRST PATENTED 1901

INSTRUCTIONS FOR OUTFIT Aa

PRICE

3d.



34Aa

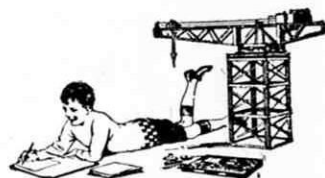
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13/834/7-5 (U.K.)



MECCANO

HORNBY'S ORIGINAL SYSTEM — FIRST PATENTED 1901



REAL ENGINEERING IN MINIATURE

The Meccano Accessory Outfit Aa converts your Outfit A into a B, and enables you to build the additional models illustrated in this Manual. As a Meccano enthusiast you will realise that our examples do not exhaust the scope 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 in each class.

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 newsagent.

HOW TO PROGRESS

When you desire to make further progress and to build bigger and better models, it is only necessary for you to purchase an Accessory Outfit Ba which will convert your B into a C. In turn, an Accessory Outfit Ca will convert your C into a D, and so you go on, until finally your ambition is realised and you are the proud possessor of an L Outfit.

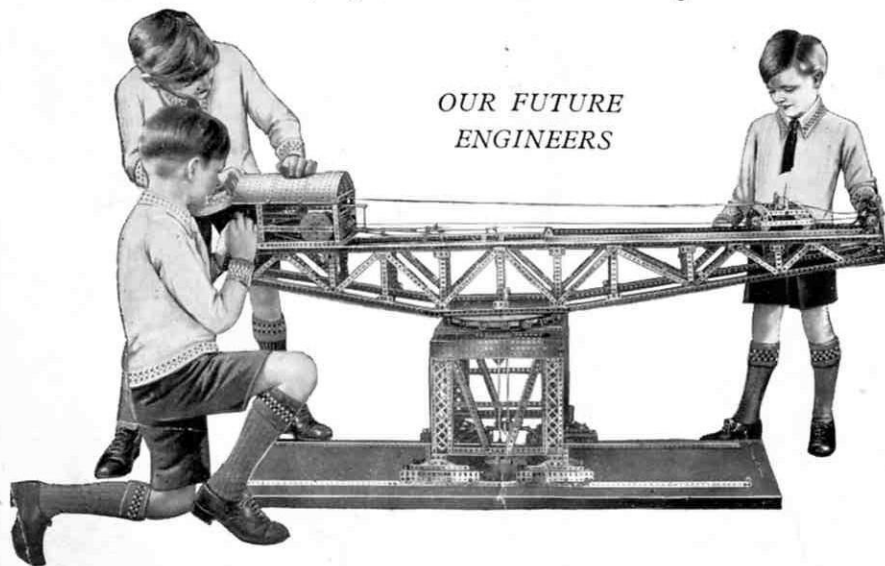
As a keen and inventive Meccano model-builder you should possess copies of the special Manuals "How to use Meccano Parts" and "Meccano Standard Mechanisms." In the former the principal uses of Meccano parts are outlined, while the latter shows a large number of real engineering mechanisms, built of Meccano parts, that can be incorporated in various models. You can obtain copies of these Manuals from your dealer, or direct from Meccano Ltd., Binns Road, Liverpool 13.

MECCANO SERVICE

The service of Meccano does not end with selling an Outfit and an Instruction Manual. When you want to know something more about engineering than is now shown in our books, or when you strike a tough problem of any kind, write to us. We receive over 200 letters from boys every day all the year round. Some write to us because they are in difficulty, others because they want advice on their work or pleasures, or about the choice of a career. Others, again, write to us just because they like to do so and we are glad to know that they regard us as their friends.

Although all kinds of queries are put to us on all manner of subjects, the main interest is, of course, engineering. The wonderful knowledge of engineering matters possessed by our staff of experts is unique. This vast store of knowledge, gained only by many years of hard-earned experience, is at your service. *We want the Meccano boy of to-day to be the famous engineer of to-morrow.*

OUR FUTURE
ENGINEERS



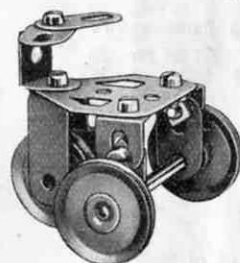
IMPORTANT:—Meccano Parts may be bought separately at any time in any quantity from your Meccano dealer

B1. Man and Boy



Parts required	
4 of No. 2	
2 " " 5	
5 " " 10	
1 " " 11	
8 " " 12	
1 " " 22	
1 " " 24	
25 " " 34	
1 " " 52	
2 " " 54a	
1 " " 90a	
2 " " 111c	
2 " " 125	
1 " " 126a	

B4. Tricycle



Parts required	
4 of No. 10	
1 " " 11	
2 " " 12	
1 " " 17	
3 " " 22	
6 " " 37	
1 " " 45	
1 " " 111c	
1 " " 126a	

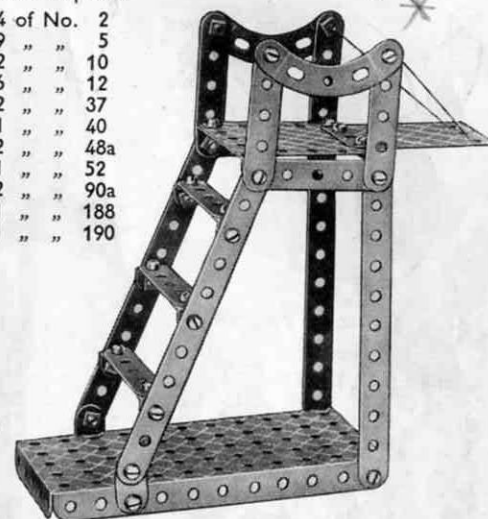
B7. Rattle



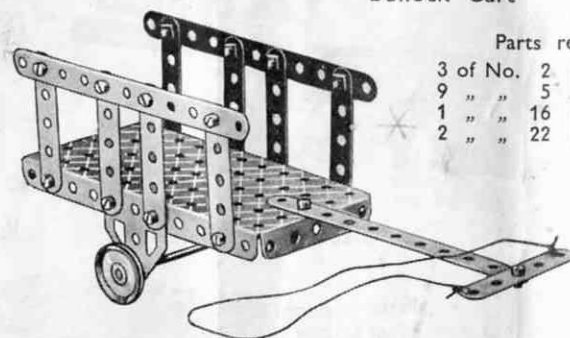
Parts required	
2 of No. 2	1 of No. 16
2 " " 5	1 " " 24
1 " " 11	4 " " 35
5 " " 12	9 " " 37

Parts required	
4 of No. 2	
9 " " 5	
2 " " 10	
6 " " 12	
32 " " 37	
1 " " 40	
2 " " 48a	
1 " " 52	
2 " " 90a	
1 " " 188	
1 " " 190	

B9. High Diving Board

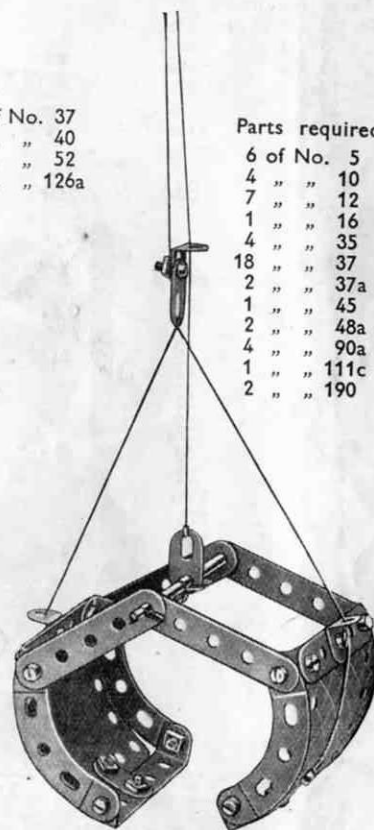


B5. Bullock Cart



Parts required	
3 of No. 2	18 of No. 37
9 " " 5	1 " " 40
1 " " 16	1 " " 52
2 " " 22	2 " " 126a

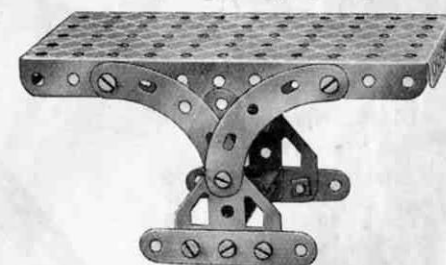
B8. Crane Grab



Parts required	
6 of No. 5	
4 " " 10	
7 " " 12	
1 " " 16	
4 " " 35	
18 " " 37	
2 " " 37a	
1 " " 45	
2 " " 48a	
4 " " 90a	
1 " " 111c	
2 " " 190	

B10. Drafting Table

Parts required	
4 of No. 5	1 of No. 52
12 " " 37	4 " " 90a
1 " " 48a	2 " " 126a

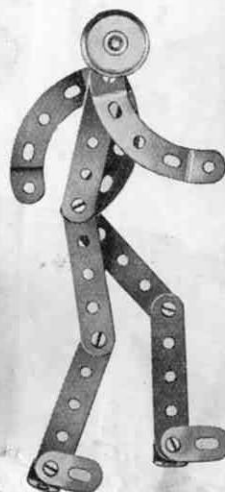


B2. Fan

Parts required	
9 of No. 5	
1 " " 37a	
1 " " 111c	

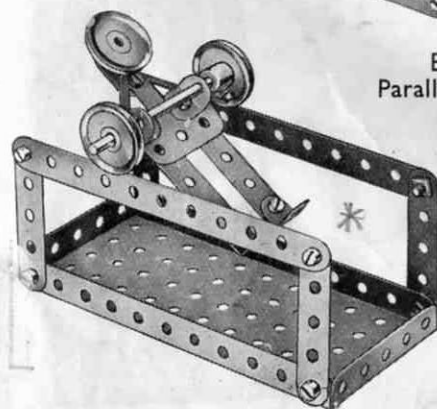


B6. Walking Man



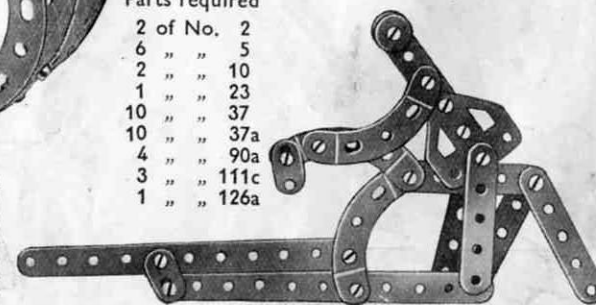
Parts required	
5 of No. 5	
3 " " 10	
2 " " 12	
1 " " 22	
5 " " 37	
1 " " 37a	
3 " " 90a	
2 " " 111c	

B3. Parallel Bars



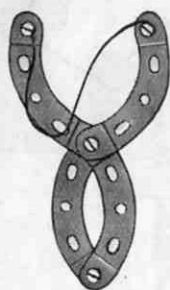
Parts required	
2 of No. 2	
6 " " 5	
1 " " 10	
4 " " 12	
1 " " 16	
3 " " 22	
2 " " 35	
13 " " 37	
1 " " 52	
1 " " 111c	
1 " " 126a	

B11. Bucking Broncho

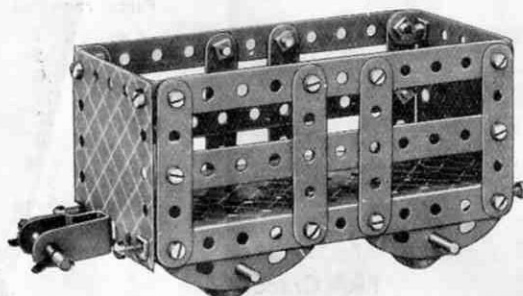


Parts required	
2 of No. 2	
6 " " 5	
2 " " 10	
1 " " 23	
10 " " 37	
10 " " 37a	
4 " " 90a	
3 " " 111c	
1 " " 126a	

The 3" Bolts used for connecting the 5 1/2" Strips, the horse's legs, and the rider's legs and arms, are all locknutted (see Standard Mechanism No. 262). The lower 5 1/2" Strip should be held rigidly and the upper one jerked forward; the horse will then throw its rider completely over its head.

B12. Catapult

Parts required
 4 of No. 37
 4 " " 90a
 A short length
 of elastic

B15. Cattle Truck

Parts required		Parts required	
4 of No. 2	9 of No. 37a	8 " " 5	1 " " 45
8 " " 5	1 " " 45	2 " " 16	2 " " 48a
2 " " 16	2 " " 48a	1 " " 18a	1 " " 52
1 " " 18a	1 " " 52	4 " " 22	4 " " 90a
4 " " 22	4 " " 90a	2 " " 35	4 " " 111c
2 " " 35	4 " " 111c	2 " " 37	2 " " 190
25 " " 37	2 " " 190		

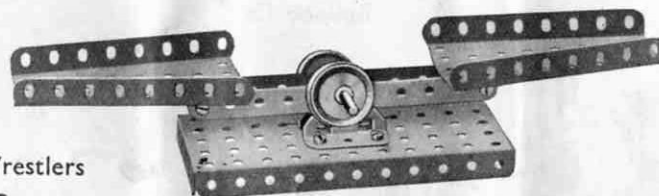
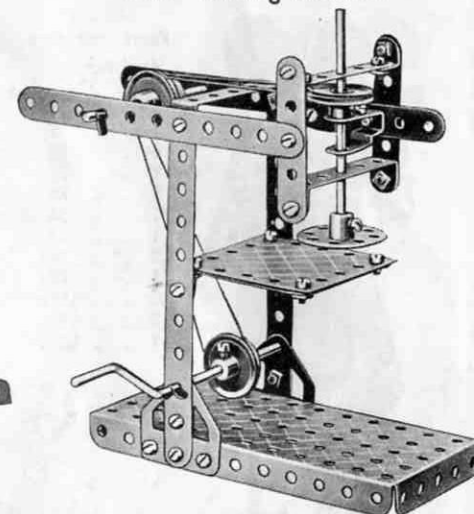
B18. Single Sheave Pulley Block

Parts required
 1 of No. 23
 11 " " 37a
 1 " " 57c
 4 " " 111c
 2 " " 126a

B19. Scales

Parts required

2 of No. 2	2 of No. 22	1 of No. 52
2 " " 11	10 " " 37	2 " " 54a
1 " " 17	4 " " 38	2 " " 126

**B21. Drilling Machine**

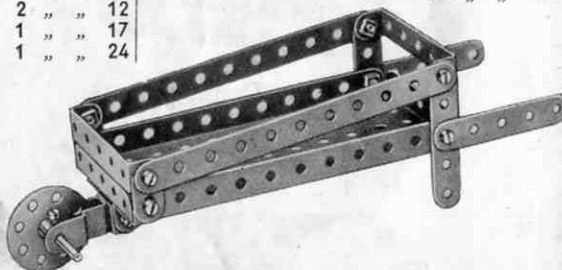
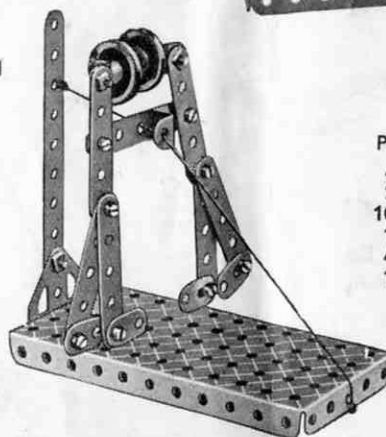
Parts required

4 of No. 2	28 of No. 37	4 of No. 2	28 of No. 37
8 " " 5	1 " " 37a	8 " " 5	1 " " 37a
6 " " 12	1 " " 40	6 " " 12	1 " " 40
2 " " 16	1 " " 45	2 " " 16	1 " " 45
1 " " 19s	2 " " 48a	1 " " 19s	2 " " 48a
4 " " 22	1 " " 52	4 " " 22	1 " " 52
1 " " 24	2 " " 126a	1 " " 24	2 " " 126a
6 " " 35	1 " " 190	6 " " 35	1 " " 190

B13. Coster's Barrow

Parts required

2 of No. 2	13 of No. 37
4 " " 5	1 " " 45
2 " " 10	2 " " 48a
1 " " 11	1 " " 52
2 " " 12	
1 " " 17	
1 " " 24	

**B16. Wrestlers**

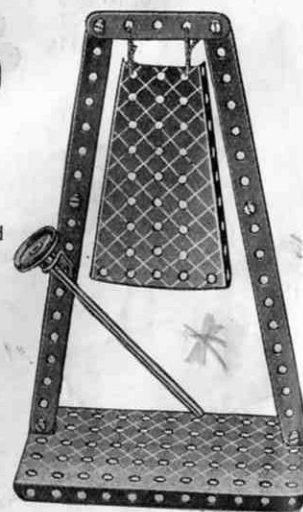
Parts required

1 of No. 2
7 " " 5
4 " " 10
2 " " 12
2 " " 22
13 " " 37
6 " " 37a
1 " " 40
1 " " 52
4 " " 111c
1 " " 125
1 " " 126a

B20. Card Table

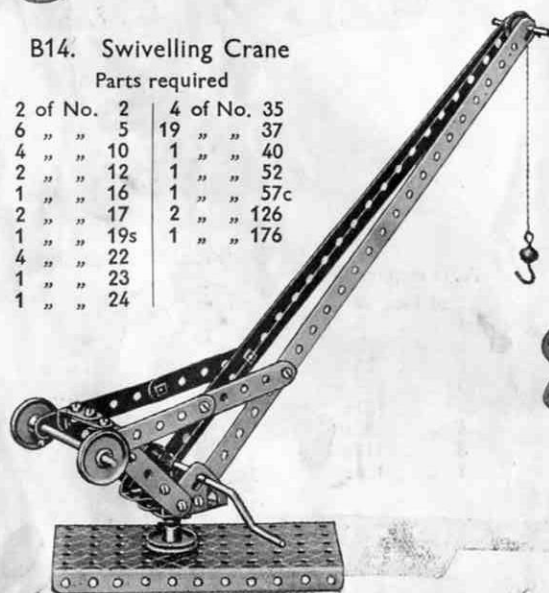
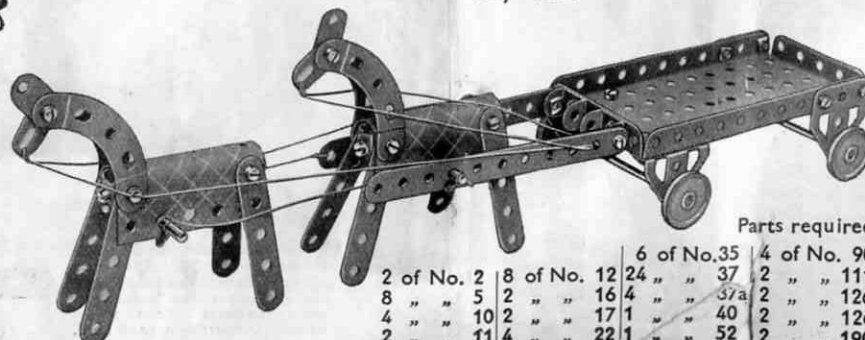
Parts required

4 of No. 5
2 " " 12
10 " " 37
1 " " 48a
4 " " 90a
1 " " 190

**B22. Gong****B14. Swivelling Crane**

Parts required

2 of No. 2	4 of No. 35
6 " " 5	19 " " 37
4 " " 10	1 " " 40
2 " " 12	1 " " 52
1 " " 16	1 " " 57c
2 " " 17	2 " " 126
1 " " 19s	1 " " 176
4 " " 22	
1 " " 23	
1 " " 24	

**B17. Hay Cart**

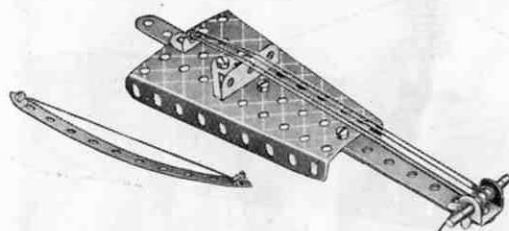
Parts required

2 of No. 2	8 of No. 12	6 of No. 35	4 of No. 90a
8 " " 5	2 " " 16	24 " " 37	2 " " 111c
4 " " 10	2 " " 17	4 " " 37a	2 " " 126
2 " " 11	4 " " 22	1 " " 40	2 " " 126a
		2 " " 52	2 " " 190

Parts required

4 of No. 2
1 " " 5
3 " " 12
1 " " 16
1 " " 22
9 " " 37
1 " " 40
1 " " 52
1 " " 54a

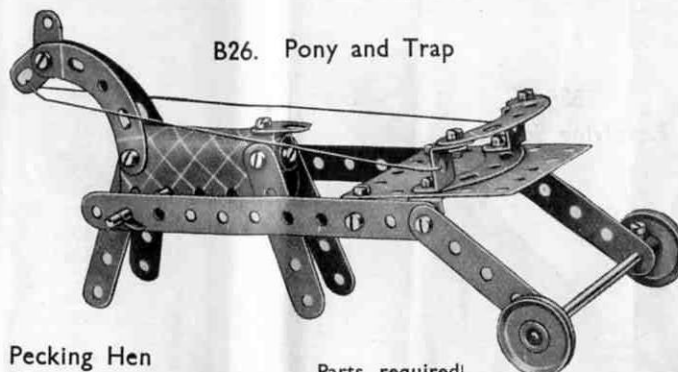
B23. Violin and Bow



Parts required

4 of No. 2
1 " " 11
1 " " 12
1 " " 17
2 " " 35
5 " " 37
1 " " 40
1 " " 54a
1 " " 126

B26. Pony and Trap



Parts required

2 of No. 2	2 of No. 22	1 of No. 48a
6 " " 5	4 " " 35	4 " " 90a
3 " " 10	17 " " 37	1 " " 111c
6 " " 12	1 " " 37a	2 " " 125
2 " " 16	1 " " 40	2 " " 190

Parts required

9 of No. 5
4 " " 10
8 " " 12
26 " " 37
2 " " 37a
2 " " 48a
4 " " 90a
2 " " 111c
2 " " 190

B30. Rocking Chair



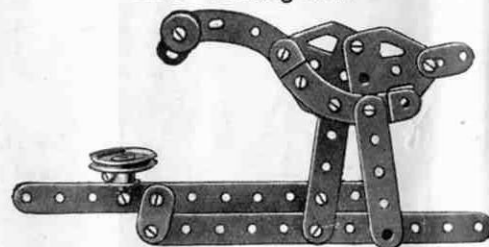
B24. Loading Gauge



Parts required

2 of No. 2
4 " " 5
2 " " 11
5 " " 12
20 " " 37
4 " " 37a
1 " " 40
1 " " 52
4 " " 90a
2 " " 111c

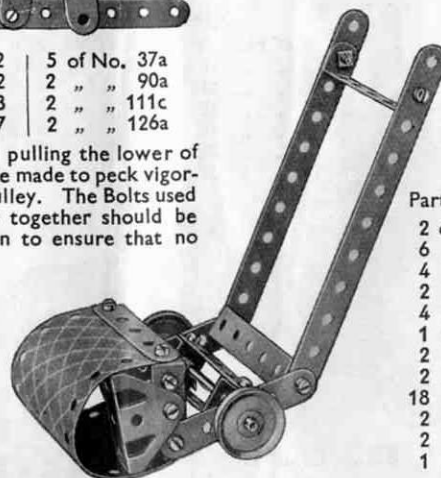
B27. Pecking Hen



Parts required	1 of No. 12	5 of No. 37a
2 of No. 2	1 " " 22	2 " " 90a
2 " " 5	1 " " 23	2 " " 111c
3 " " 10	11 " " 37	2 " " 126a

By alternately pushing and pulling the lower of the 5 1/2 in. Strips, the hen can be made to peck vigorously at the "bowl," a 1 in. Pulley. The Bolts used for securing the 5 1/2 in. Strips together should be locknotted, care being taken to ensure that no "side play" is permitted.

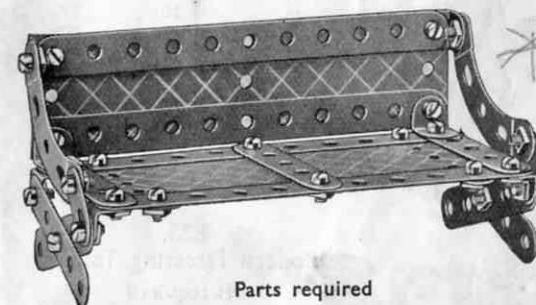
B28. Grass Cutter



Parts required

2 of No. 2
6 " " 5
4 " " 10
2 " " 11
4 " " 12
1 " " 16
2 " " 22
2 " " 35
18 " " 37
2 " " 48a
2 " " 126
1 " " 191

B31. Station Seat



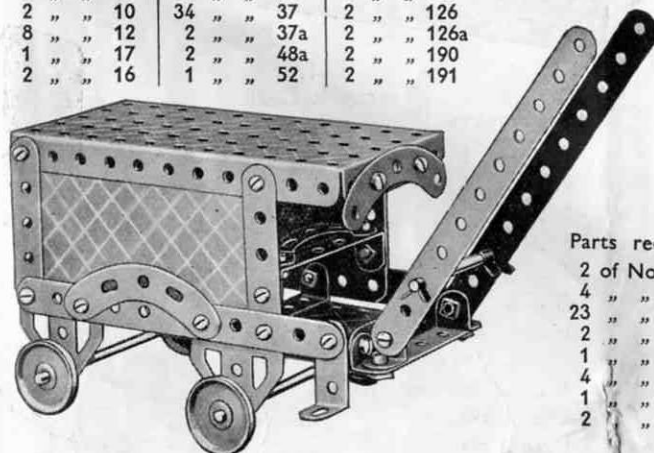
Parts required

4 of No. 2	24 of No. 37
9 " " 5	2 " " 90a
2 " " 10	1 " " 189
8 " " 12	1 " " 191

B25. Bread Van

Parts required

4 of No. 2	4 of No. 22	4 of No. 90a
8 " " 5	4 " " 35	1 " " 125
2 " " 10	34 " " 37	2 " " 126
8 " " 12	2 " " 37a	2 " " 126a
1 " " 17	2 " " 48a	2 " " 190
2 " " 16	1 " " 52	2 " " 191



B29. Couch

Parts required

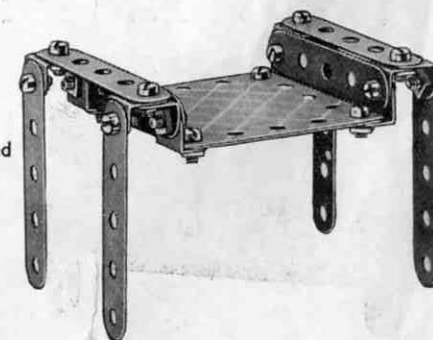
2 of No. 2
4 " " 12
23 " " 37
2 " " 48a
1 " " 52
4 " " 90a
1 " " 189
2 " " 190



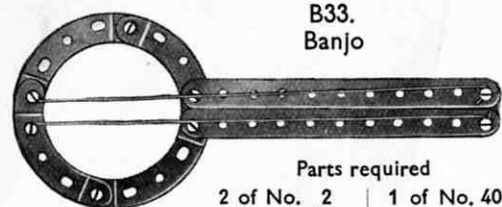
Parts required

9 of No. 5
8 " " 12
16 " " 37
2 " " 125
1 " " 190

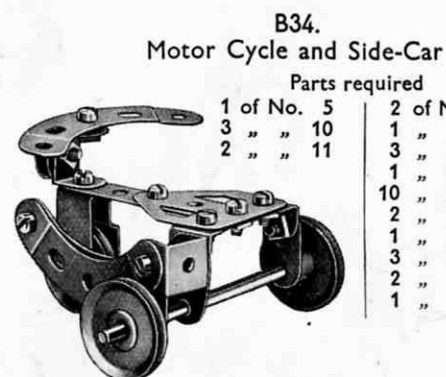
B32. Stool for Dressing Table



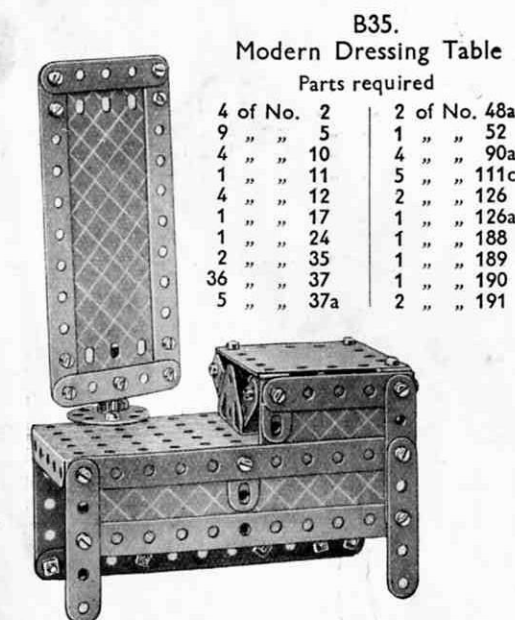
These Models can be built with MECCANO Outfit B (or A and Aa)

B33.
Banjo

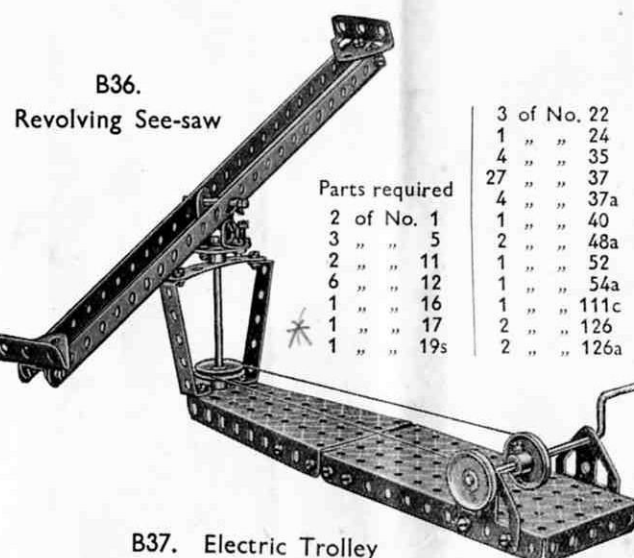
Parts required			
2 of No.	2	1 of No.	40
1 "	10	4 "	90a
8 "	37		

B34.
Motor Cycle and Side-Car

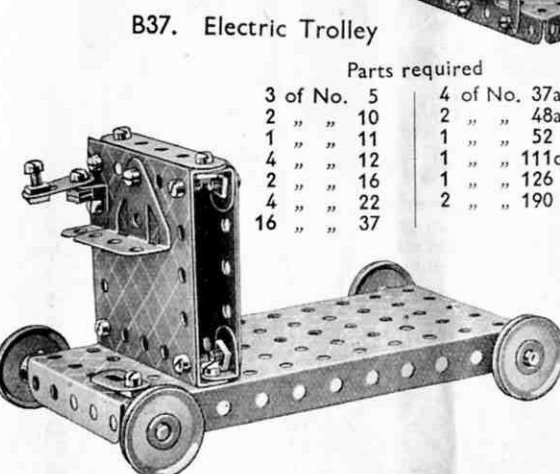
Parts required			
1 of No.	5	2 of No.	12
3 "	10	1 "	16
2 "	11	3 "	22
		1 "	23
		10 "	37
		2 "	37a
		1 "	44
		3 "	90a
		2 "	111c
		1 "	126a

B35.
Modern Dressing Table

Parts required			
4 of No.	2	2 of No.	48a
9 "	5	1 "	52
4 "	10	4 "	90a
1 "	11	5 "	111c
4 "	12	2 "	126
1 "	17	1 "	126a
1 "	24	1 "	188
2 "	35	1 "	189
36 "	37	1 "	190
5 "	37a	2 "	191

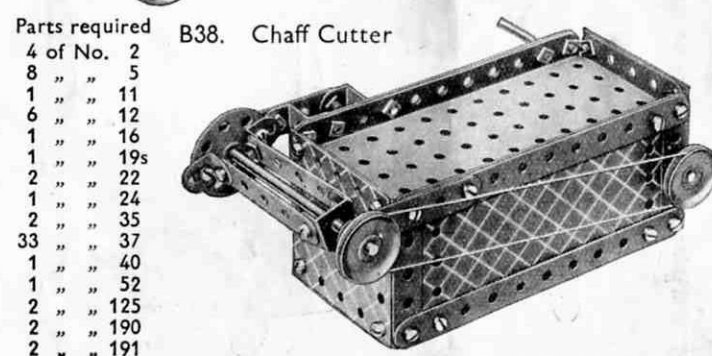
B36.
Revolving See-saw

Parts required			
2 of No.	1	3 of No.	22
3 "	5	1 "	24
2 "	11	4 "	35
6 "	12	27 "	37
1 "	16	4 "	37a
1 "	17	1 "	40
1 "	19s	2 "	48a
		1 "	52
		1 "	54a
		1 "	111c
		2 "	126
		2 "	126a



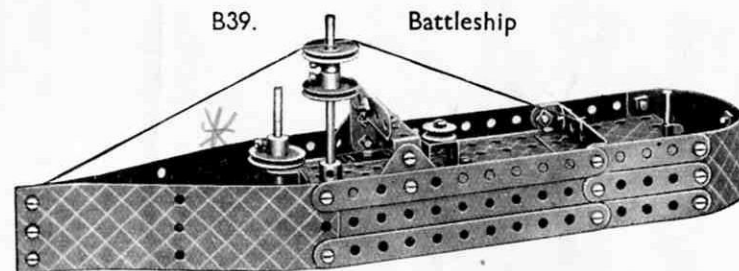
B37. Electric Trolley

Parts required			
3 of No.	5	4 of No.	37a
2 "	10	2 "	48a
1 "	11	1 "	52
4 "	12	1 "	111c
2 "	16	1 "	126
4 "	22	2 "	190
16 "	37		



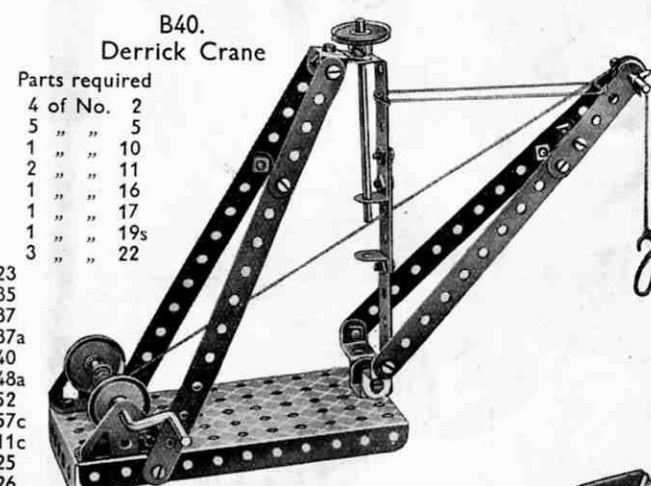
B38. Chaff Cutter

Parts required			
4 of No.	2		
8 "	5		
1 "	11		
6 "	12		
1 "	16		
1 "	19s		
2 "	22		
1 "	24		
2 "	35		
33 "	37		
1 "	40		
1 "	52		
2 "	125		
2 "	190		
2 "	191		



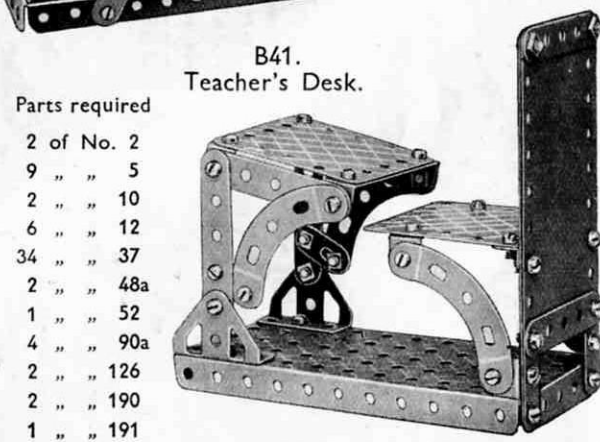
B39. Battleship

Parts required							
4 of No.	2	2 of No.	17	4 of No.	37a	2 of No.	126
9 " "	5	3 " "	22	1 " "	40	2 " "	188
4 " "	10	1 " "	23	2 " "	48a	2 " "	189
1 " "	11	1 " "	24	1 " "	52	1 " "	190
5 " "	12	5 " "	35	4 " "	111c		
1 " "	16	36 " "	37	2 " "	125		

B40.
Derrick Crane

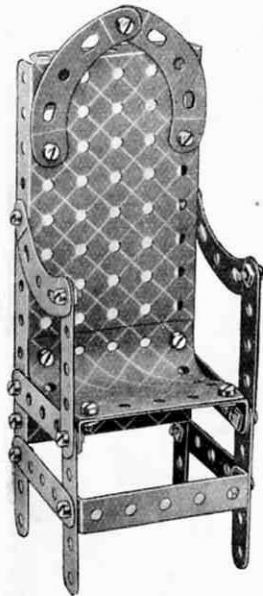
Parts required			
4 of No.	2		
5 "	5		
1 "	10		
2 "	11		
1 "	16		
1 "	17		
1 "	19s		
3 "	22		

1 of No.	23
2 "	35
22 "	37
2 "	37a
1 "	40
2 "	48a
1 "	52
1 "	57c
1 "	111c
2 "	125
2 "	126
1 "	176

B41.
Teacher's Desk.

Parts required			
2 of No.	2		
9 "	5		
2 "	10		
6 "	12		
34 "	37		
2 "	48a		
1 "	52		
4 "	90a		
2 "	126		
2 "	190		
1 "	191		

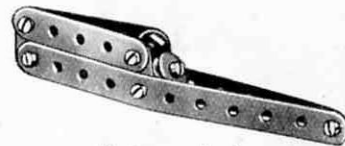
B42. Arm Chair



Parts required

2 of No.	2
8 "	5
21 "	37
2 "	48a
1 "	52
4 "	90a
1 "	190

B44. Motor Boat

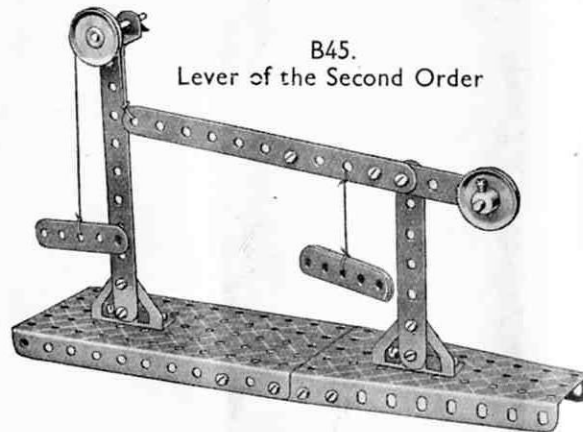
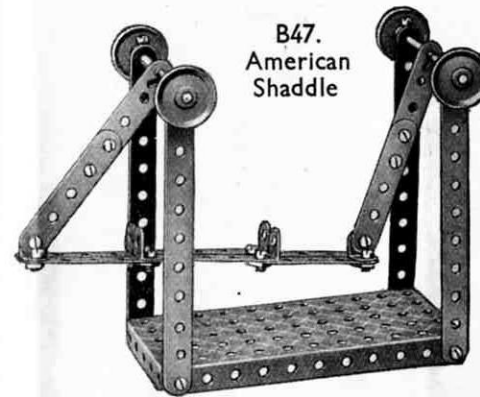


Parts required

2 of No.	2	1 of No.	23
2 "	5	7 "	37
3 "	10	1 "	37a
1 "	11	1 "	111c

B45.

Lever of the Second Order

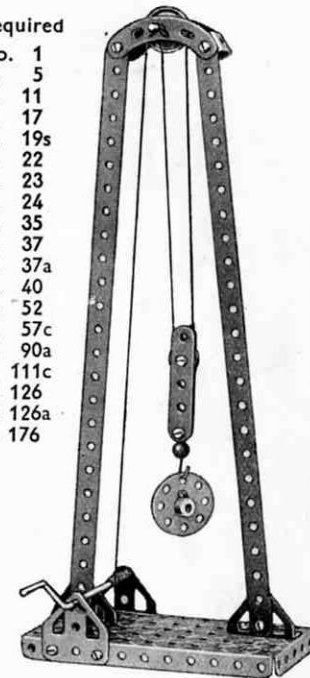
B47.
American
Shaddle

Parts required	4 of No.	22	
4 of No.	2	35	
9 "	5	18 "	37
2 "	10	2 "	37a
2 "	12	2 "	48a
2 "	16	1 "	52

B49. Pulley Block

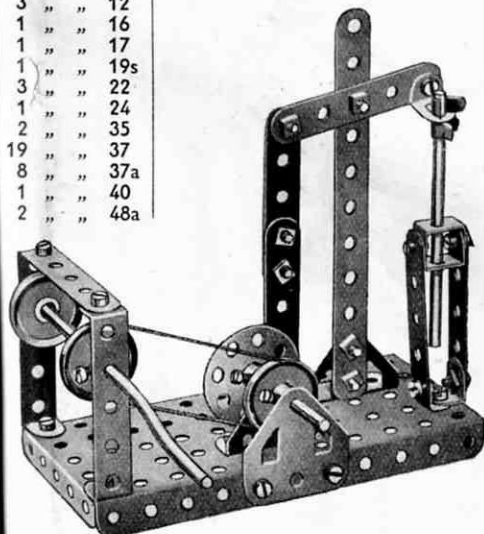
Parts required

2 of No.	1
2 "	5
2 "	11
1 "	17
1 "	19s
1 "	22
1 "	23
1 "	24
4 "	35
14 "	37
2 "	37a
1 "	40
1 "	52
1 "	57c
2 "	90a
2 "	111c
2 "	126
2 "	126a
1 "	176



B43. Pump

Parts	required	1 of No.	52
1 of No.	2	4	111c
6	5	2	126
2	11	1	126a
3	12		
1	16		
1	17		
1	19s		
3	22		
1	24		
2	35		
19	37		
8	37a		
1	40		
2	48a		



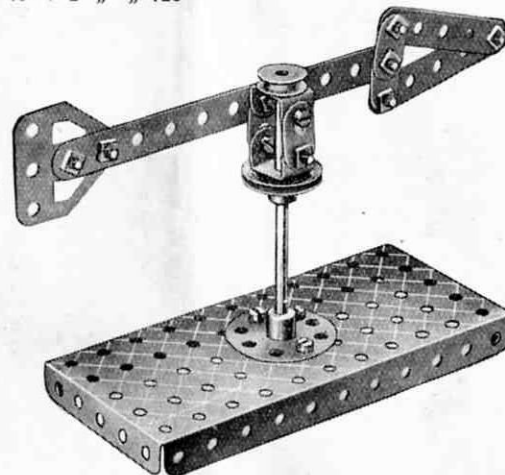
Parts required

2 of No.	2	2 of No.	35	1 of No.	52a
9 "	5	21 "	37	1 "	54a
2 "	17	2 "	37a	1 "	111c
2 "	22	5 "	38	1 "	125
1 "	23	1 "	40	2 "	126

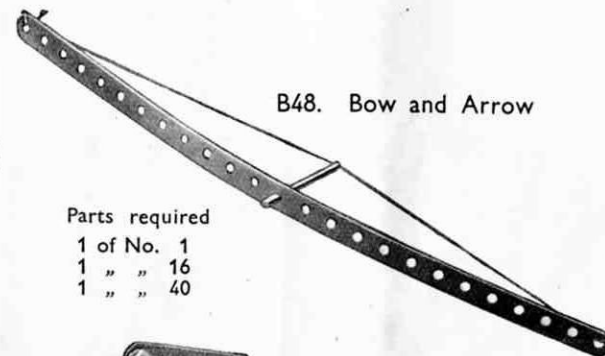
B46.
Weather
Vane

Parts required

1 of No.	2
2 "	5
4 "	10
2 "	11
1 "	16
1 "	22
1 "	23
1 "	24
12 "	37
1 "	52
1 "	126a



B48. Bow and Arrow



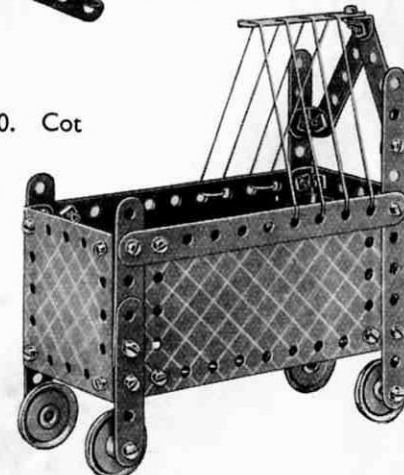
Parts required

1 of No.	1
1 "	16
1 "	40

B50. Cot

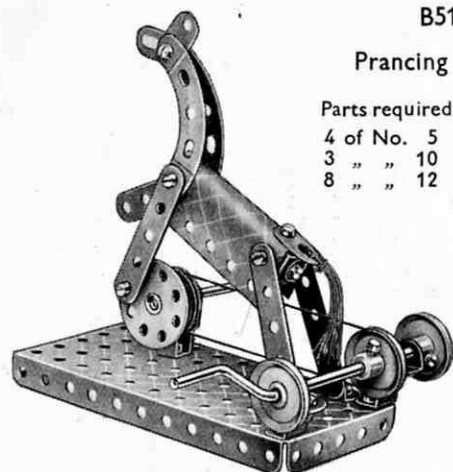
Parts required

4 of No.	2
7 "	5
3 "	12
4 "	22
30 "	37
1 "	40
2 "	48a
1 "	52
4 "	111c
2 "	190
2 "	191



B51.

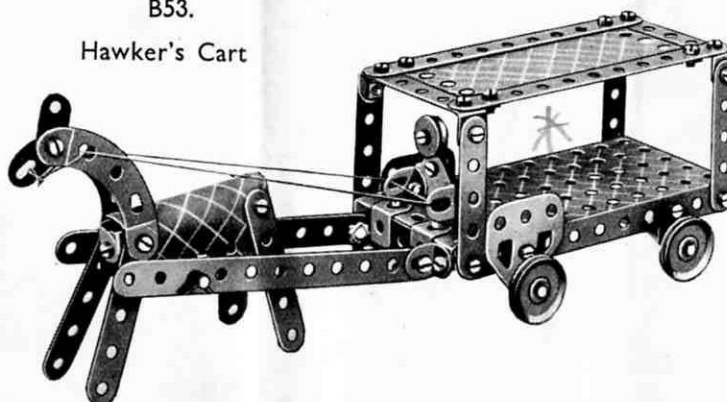
Prancing Horse



Parts required	1 of No.	17
4 of No. 5	1	19s
3 " " 10	4	22
8 " " 12	1	24
	14	37
	8	37a
	1	40
	1	44
	1	52
	2	90a
	4	111c
	2	125
	1	186
	1	190

B53.

Hawker's Cart



Parts required	1 of No.	17	1 of No.	40	2 of No.	125
4 of No. 2	4	22	2	48a	2	126
8 " " 5	1	23	1	52	2	126a
4 " " 10	4	35	2	90a	1	190
8 " " 12	35	37	2	111c	1	191
2 " " 16	4	37a				

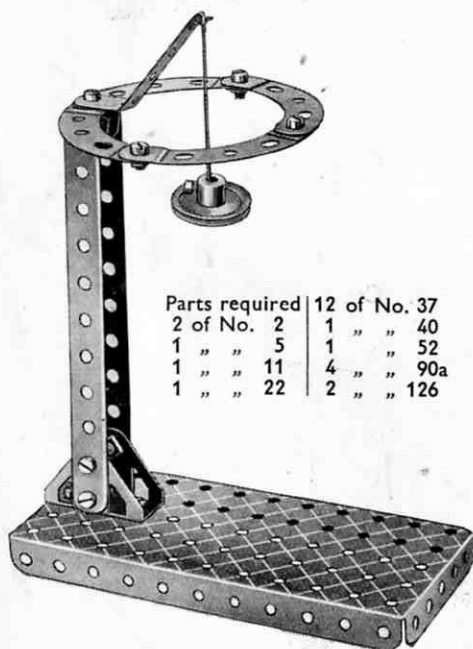
B56. Shepherd's Crook

Parts required	2 of No.	1
7 " " 37		
4 " " 90a		



B52.

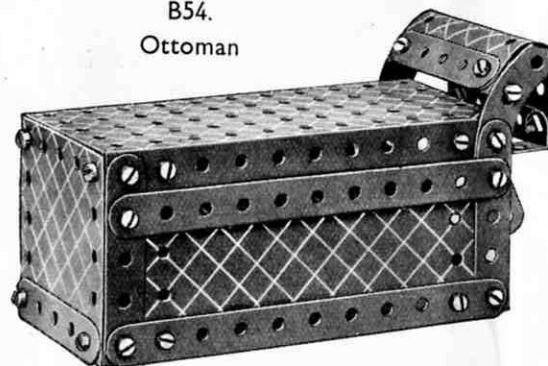
Punching Bag Stand



Parts required	12 of No.	37
2 of No. 2	1	40
1 " " 5	1	52
1 " " 11	4	90a
1 " " 22	2	126

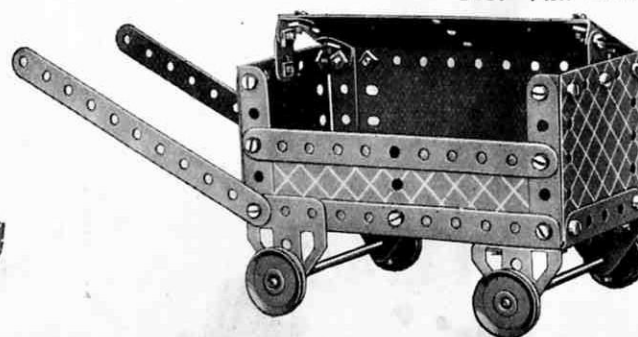
B54.

Ottoman



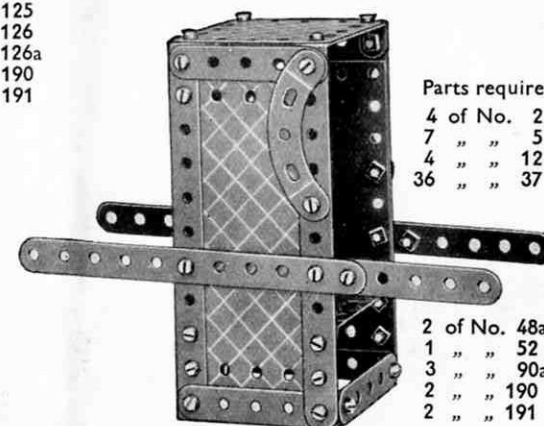
Parts required	4 of No.	2
7 " " 5		
2 " " 10		
2 " " 11		
4 " " 12		
34 " " 37		
1 " " 48a		
1 " " 52		
2 " " 90a		
2 " " 190		
2 " " 191		

B55. Ash Cart



Parts required	4 of No.	2
4 " " 5		
2 " " 10		
4 " " 12		
2 " " 16		
4 " " 22		
34 " " 37		
2 " " 37a		
2 " " 48a		
1 " " 52		
2 " " 111c		
2 " " 126		
2 " " 126a		
2 " " 189		
2 " " 190		
1 " " 191		

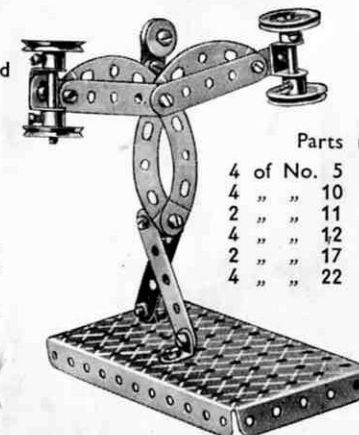
B57. Sedan Chair



Parts required	4 of No.	2
7 " " 5		
4 " " 12		
36 " " 37		

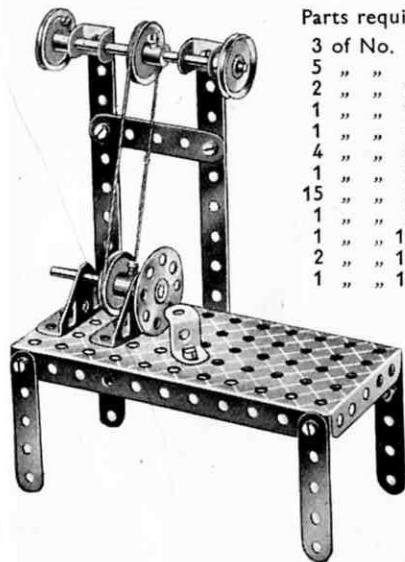
2 of No.	48a
1 " " 52	
3 " " 90a	
2 " " 190	
2 " " 191	

B58. Strong Man



Parts required	4 of No.	5	1 of No.	23
4 " " 10			12	37
2 " " 11			2	37a
4 " " 12			1	52
2 " " 17			4	90a
4 " " 22			2	111c

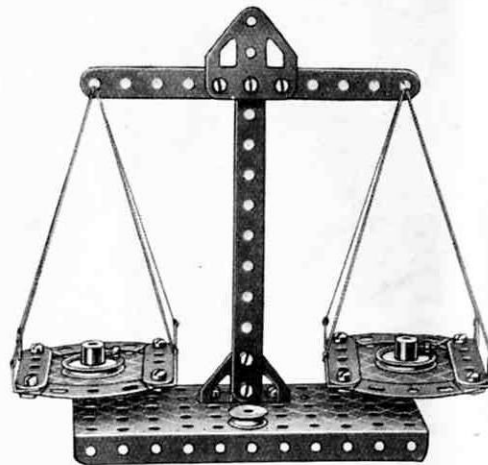
B59. Bench Lathe



Parts required

3 of No.	2
5 "	5
2 "	11
1 "	16
1 "	17
4 "	22
1 "	24
15 "	37
1 "	52
1 "	125
2 "	126
1 "	186

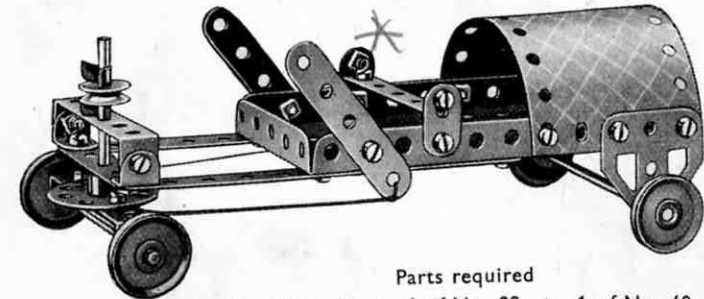
B62. Counter Scales



Parts required

2 of No.	2
4 "	5
8 "	12
2 "	22
1 "	23
14 "	37
2 "	37a
1 "	40
1 "	52
4 "	90a
1 "	111c
1 "	126
1 "	126a
2 "	190

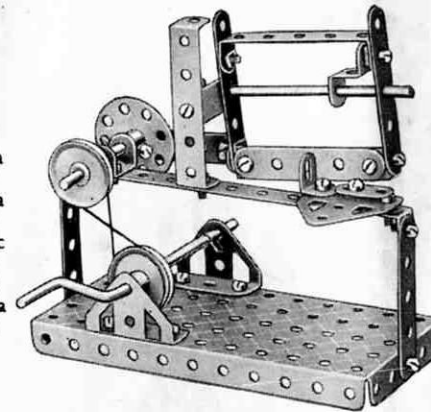
B65. Coaster



Parts required

2 of No.	2	4 of No.	22	1 of No.	40
4 "	5	1 "	23	2 "	48a
2 "	10	1 "	24	1 "	52
4 "	12	2 "	35	2 "	126a
2 "	16	24 "	37	1 "	191
1 "	17	2 "	37a		

B63. Power Hack Saw



Parts required

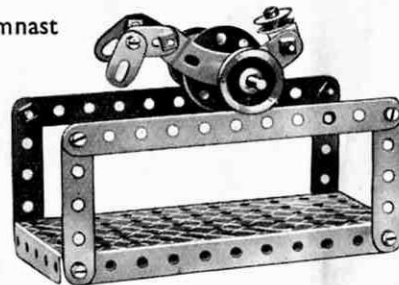
1 of No.	2	18 of No.	37
6 "	5	12 "	37a
1 "	10	1 "	45
1 "	11	2 "	48a
6 "	12	1 "	52
1 "	16	5 "	111c
1 "	17	2 "	125
1 "	19s	2 "	126
2 "	22	1 "	126a
1 "	24	1 "	186
3 "	35		

B66. Swing

Parts required

4 of No.	2
8 "	5
8 "	12
33 "	37
1 "	40
2 "	48a
1 "	52
2 "	90a
2 "	126
2 "	190
2 "	191

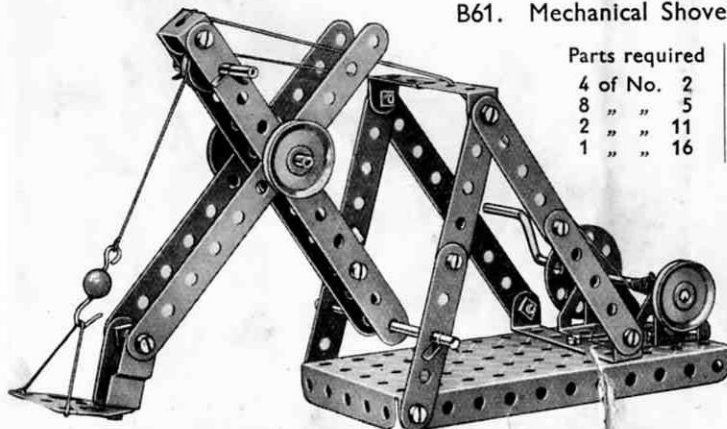
B60. Gymnast



Parts required

2 of No.	2	1 of No.	24
4 "	5	13 "	37
4 "	10	1 "	37a
1 "	12	1 "	52
1 "	16	1 "	90a
2 "	22	1 "	111c
1 "	23		

B61. Mechanical Shovel

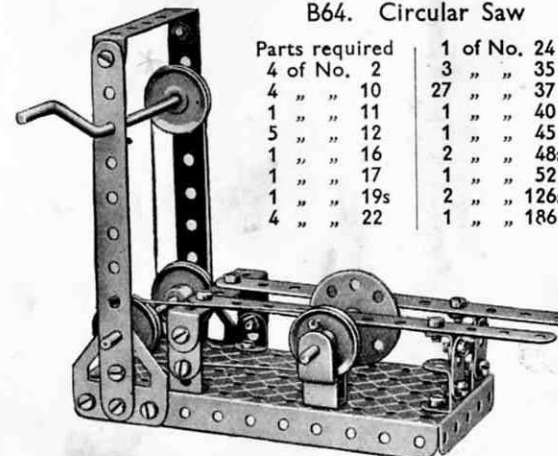


Parts required

4 of No.	2
8 "	5
2 "	11
1 "	16

2 of No.	17
1 "	19s
3 "	22
1 "	23
1 "	24
5 "	35
20 "	37
1 "	40
1 "	45
2 "	48a
1 "	52
1 "	57c
2 "	126
1 "	126a
1 "	176

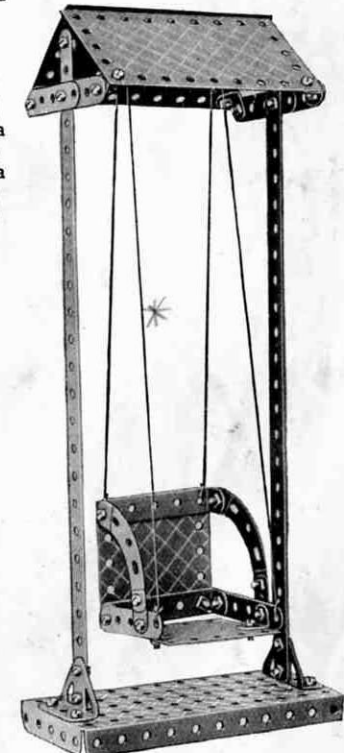
B64. Circular Saw



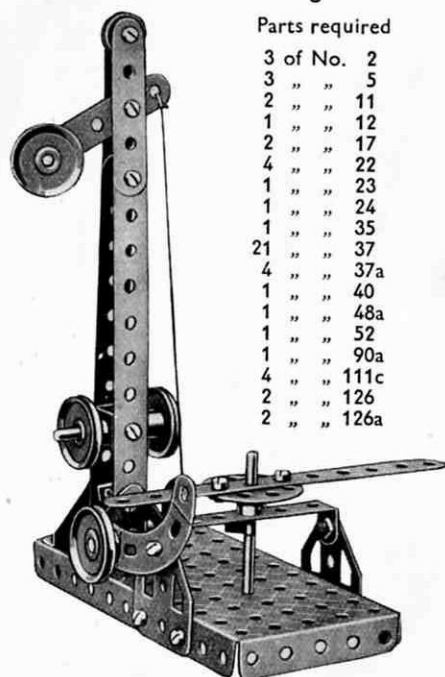
Parts required

4 of No.	2
4 "	10
1 "	11
5 "	12
1 "	16
1 "	17
1 "	19s
4 "	22

1 of No.	24
3 "	35
27 "	37
1 "	40
1 "	45
2 "	48a
1 "	52
2 "	126a
1 "	186



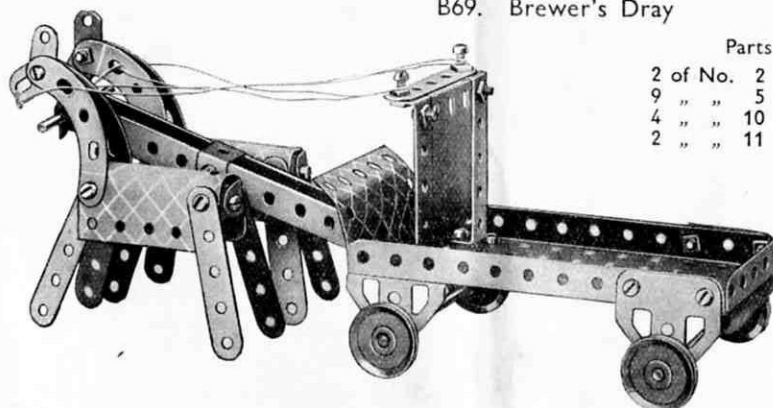
B67. Automatic Signals



Parts required

3 of No.	2
3 " "	5
2 " "	11
1 " "	12
2 " "	17
4 " "	22
1 " "	23
1 " "	24
1 " "	35
21 " "	37
4 " "	37a
1 " "	40
1 " "	48a
1 " "	52
1 " "	90a
4 " "	111c
2 " "	126
2 " "	126a

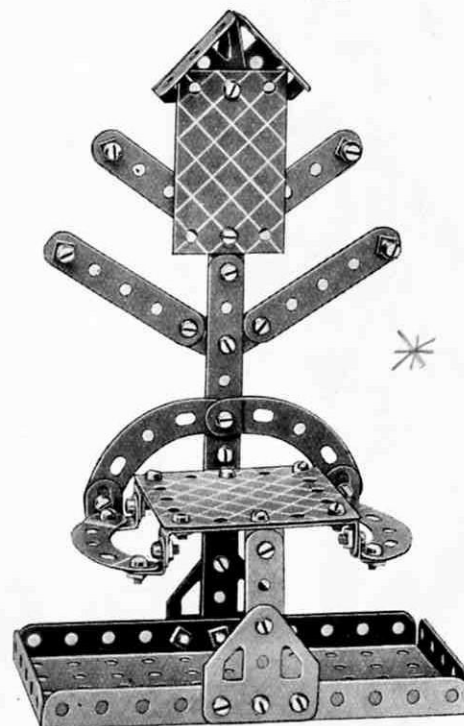
B69. Brewer's Dray



Parts required

2 of No.	2	8 of No.	12
9 " "	5	2 " "	16
4 " "	10	2 " "	17
2 " "	11	4 " "	22
		6 " "	35
		29 " "	37
		8 " "	37a
		1 " "	40
		2 " "	48a
		1 " "	52
		4 " "	90a
		4 " "	111c
		2 " "	126
		2 " "	126a
		2 " "	190
		1 " "	191

B73. Hat Rack

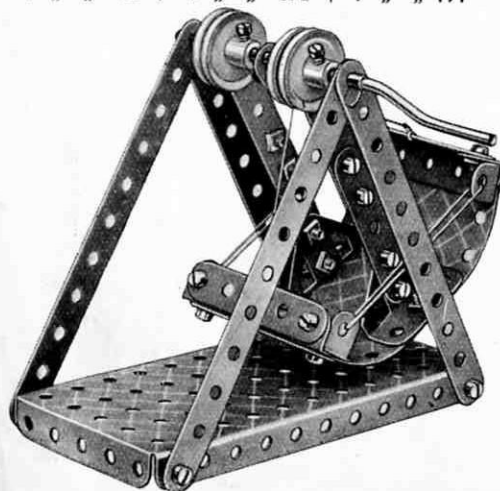


Parts required

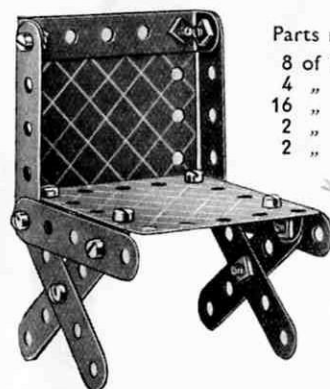
2 of No.	2	8 of No.	37a	2 of No.	126
9 " "	5	2 " "	48a	2 " "	126a
2 " "	10	1 " "	52	1 " "	188
8 " "	12	4 " "	90a	1 " "	190
34 " "	37	4 " "	111c		

B68. Swinging Boat

Parts required	1 of No.	19s	1 of No.	40	
4 of No.	2	4 " "	22	2 " "	48a
8 " "	5	6 " "	35	1 " "	52
1 " "	10	22 " "	37	2 " "	126
4 " "	12	4 " "	37a	1 " "	191



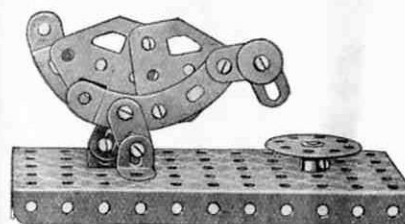
B70. Chair



Parts required

8 of No.	5
4 " "	12
16 " "	37
2 " "	48a
2 " "	190

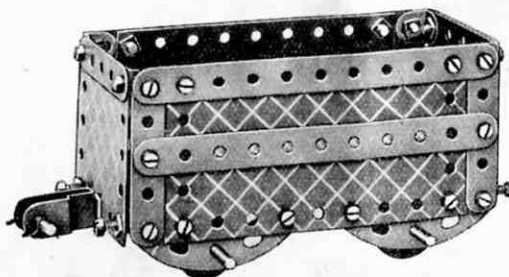
B71. Goose



Parts required

4 of No.	10	2 of No.	37a
2 " "	12	1 " "	52
1 " "	23	2 " "	90a
1 " "	24	3 " "	111c
6 " "	37	2 " "	126a

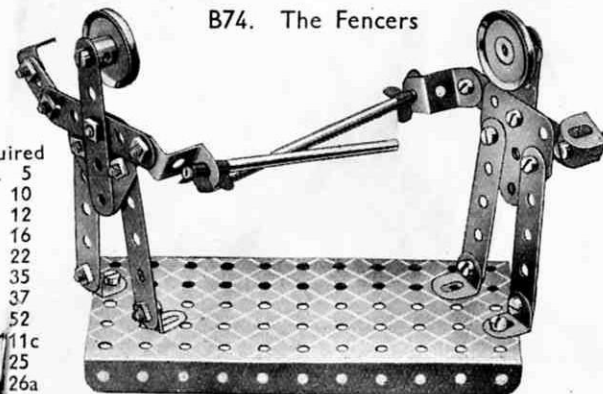
B72. Cattle Truck



Parts required

4 of No.	2
6 " "	5
4 " "	12
2 " "	16
1 " "	17
4 " "	22
2 " "	35
29 " "	37
9 " "	37a
1 " "	45
1 " "	52
4 " "	90a
4 " "	111c
2 " "	190
2 " "	191

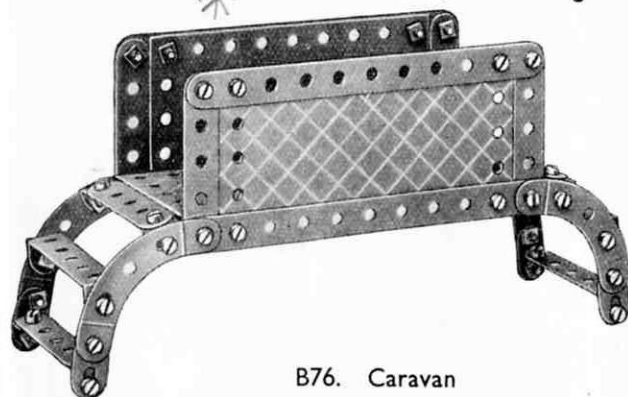
B74. The Fencers



Parts required

8 of No.	5
2 " "	10
6 " "	12
2 " "	16
2 " "	22
4 " "	35
18 " "	37
1 " "	52
2 " "	111c
2 " "	126
2 " "	26a

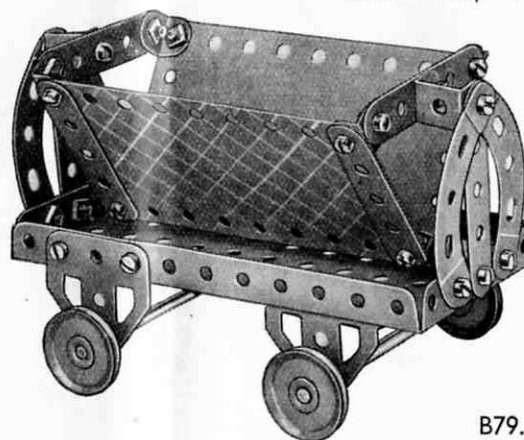
B75. Footbridge



Parts required

4 of No.	2
8 "	5
4 "	10
8 "	12
36 "	37
4 "	37a
2 "	48a
1 "	52
4 "	90a
4 "	111c
2 "	191

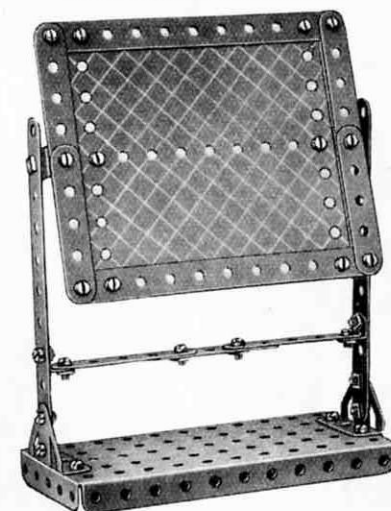
B78. Dump Car



Parts required

8 of No.	5
2 "	11
6 "	12
2 "	16
4 "	22
29 "	37
4 "	37a
1 "	52
4 "	90a
1 "	111c
2 "	126
2 "	126a
2 "	191

B81. School Blackboard



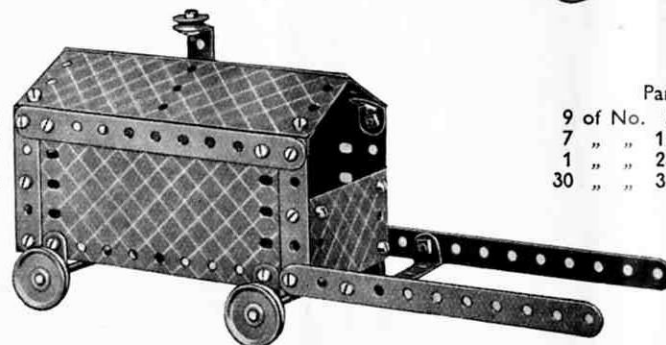
Parts required

4 of No.	2
7 "	5
2 "	10
4 "	12
28 "	37
2 "	37a
1 "	52
2 "	126
2 "	191

B76. Caravan

Parts required

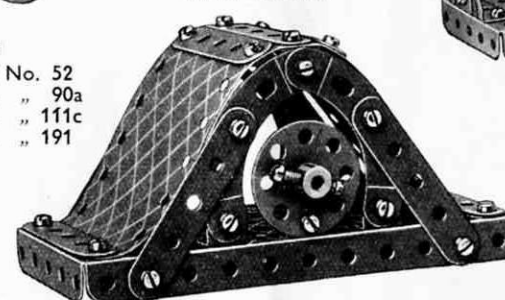
4 of No.	2	5 of No.	37a
4 "	5	1 "	48a
4 "	10	1 "	52
8 "	12	1 "	111c
2 "	16	1 "	125
4 "	22	2 "	188
1 "	23	2 "	189
35 "	37	2 "	191



Parts required

9 of No.	5	1 of No.	52
7 "	12	4 "	90a
1 "	24	2 "	111c
30 "	37	2 "	191

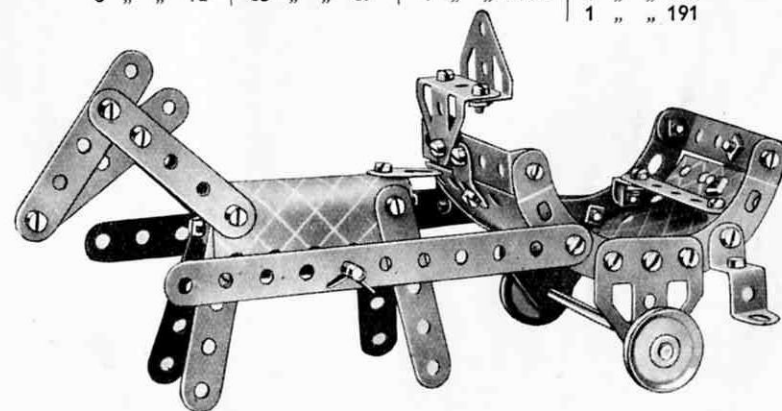
B79. Clock



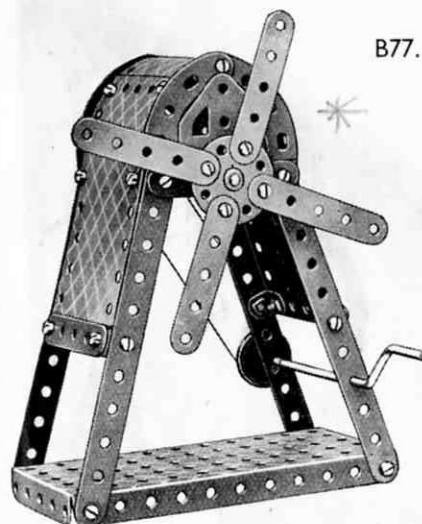
B82. Two-wheeled Trap

Parts required

2 of No.	2	2 of No.	16	1 of No.	37a	2 of No.	125
9 "	5	2 "	22	2 "	48a	2 "	126
3 "	10	4 "	35	4 "	90a	2 "	126a
8 "	12	35 "	37	1 "	111c	1 "	190
						1 "	191



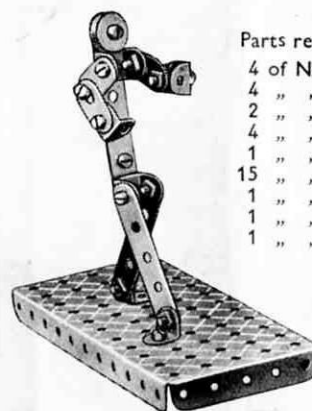
B77. Windmill



Parts required

4 of No.	2
8 "	5
4 "	10
4 "	12
1 "	16
1 "	19s
2 "	22
1 "	24
1 "	35
36 "	37
2 "	37a
2 "	48a
1 "	52
4 "	90a
2 "	111c
2 "	126a
1 "	186
1 "	190
2 "	1

B80. Boxer

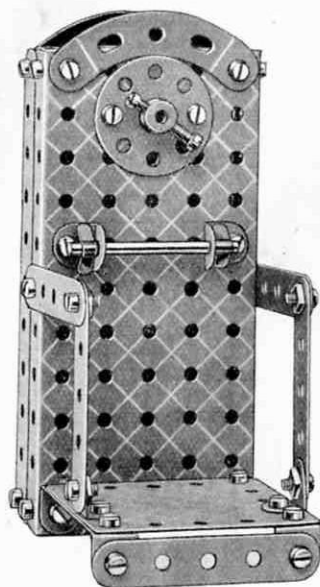


Parts required

4 of No.	5
4 "	10
2 "	11
4 "	12
1 "	23
15 "	37
1 "	37a
1 "	52
1 "	111c

No.126
" 126a
" 188
" 190

These Models can be built with MECCANO Outfit B (or Outfits A and Aa)

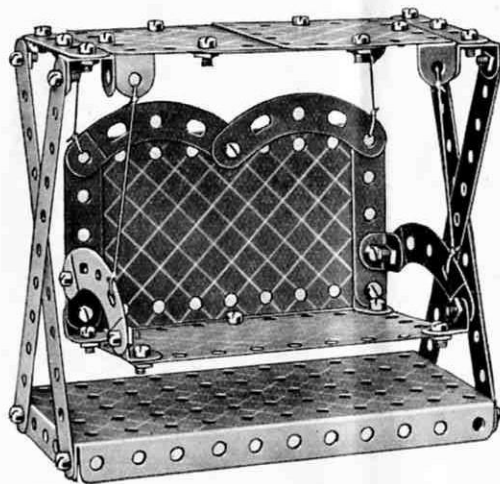


B83.

Weighing Machine

Parts required

4 of No.	2
7 " "	5
4 " "	10
8 " "	12
1 " "	17
1 " "	24
2 " "	35
36 " "	37
2 " "	37a
2 " "	48a
1 " "	52
2 " "	90a
3 " "	111c
1 " "	190
1 " "	191



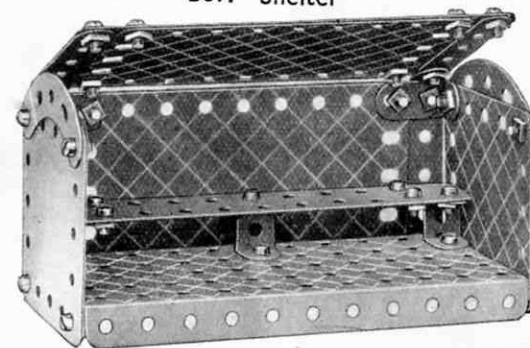
B86.

Swinging Garden Seat

Parts required

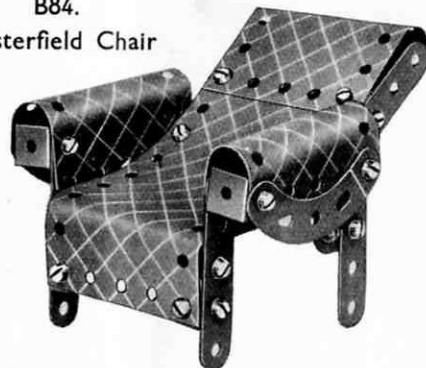
4 of No.	2
8 " "	5
2 " "	11
8 " "	12
34 " "	37
1 " "	40
2 " "	48a
1 " "	52
4 " "	90a
2 " "	126a
2 " "	190
2 " "	191

B89. Shelter



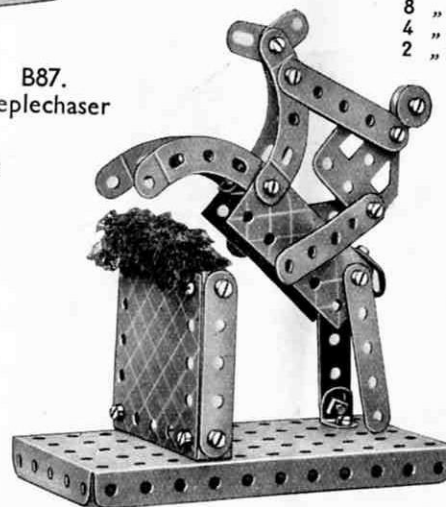
Parts required

4 of No.	2	4 of No.	12	1 of No.	125
8 " "	5	34 " "	37	2 " "	190
4 " "	10	1 " "	52	2 " "	191
2 " "	11	2 " "	90a		

B84.
Chesterfield Chair

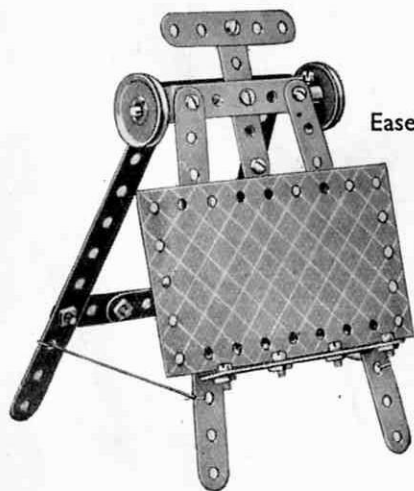
Parts required

9 of No.	5	2 of No.	48a
2 " "	10	2 " "	90a
2 " "	11	2 " "	125
8 " "	12	2 " "	190
32 " "	37	2 " "	191

B87.
Steeplechaser

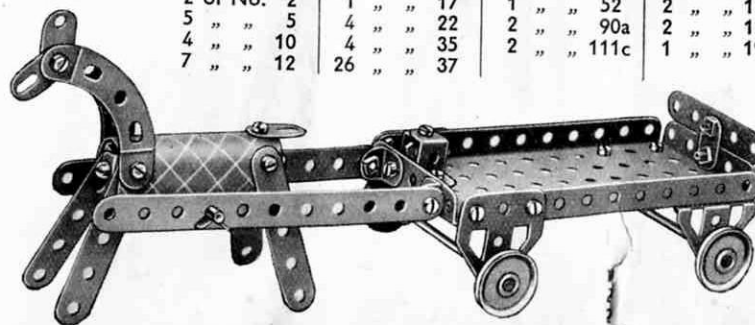
Parts required

9 of No.	5
4 " "	10
7 " "	12
1 " "	23
20 " "	37
8 " "	37a
2 " "	48a
1 " "	52
4 " "	90a
4 " "	111c
1 " "	126a
2 " "	190

B85.
Easel and Board

Parts required

4 of No.	2
7 " "	5
1 " "	10
2 " "	12
1 " "	16
2 " "	22
20 " "	37
1 " "	40
2 " "	48a
1 " "	191

B88.
Horse and Cart

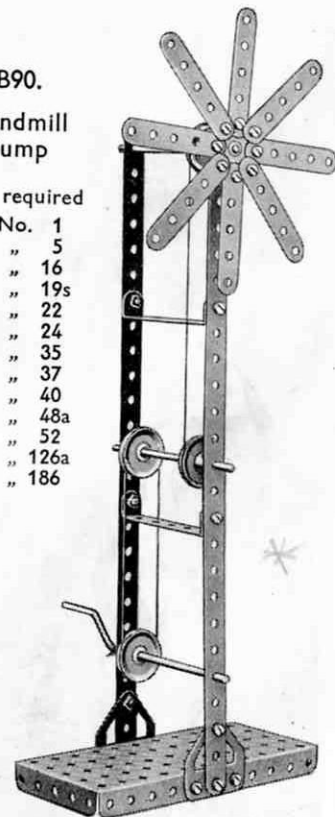
Parts required

2 of No.	2	2 of No.	16	2 of No.	37a	1 of No.	125
5 " "	5	1 " "	17	1 " "	52	2 " "	126
4 " "	10	4 " "	22	2 " "	90a	2 " "	126a
7 " "	12	4 " "	35	2 " "	111c	1 " "	190
		26 " "	37				

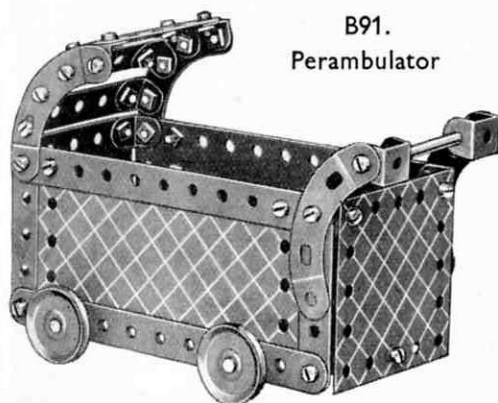
B90.
Windmill Pump

Parts required

2 of No.	1
8 " "	5
2 " "	16
1 " "	19s
4 " "	22
1 " "	24
1 " "	35
20 " "	37
1 " "	40
2 " "	48a
1 " "	52
2 " "	126a
1 " "	186



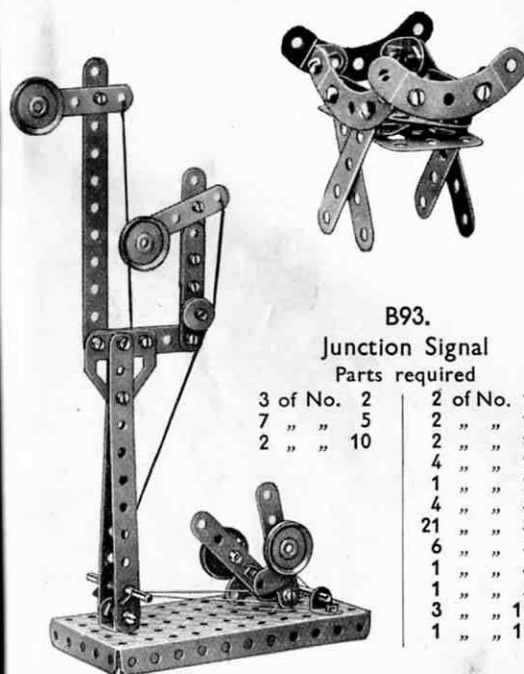
B91.
Perambulator



Parts required	
4 of No. 2	2
8 " " 5	5
2 " " 11	11
8 " " 12	12
2 " " 16	16
1 " " 17	17
4 " " 22	22
36 " " 37	37
2 " " 48a	48a
1 " " 52	52
4 " " 90a	90a
2 " " 190	190
2 " " 191	191

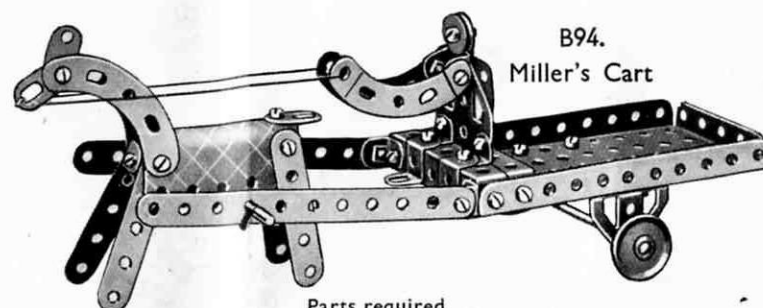
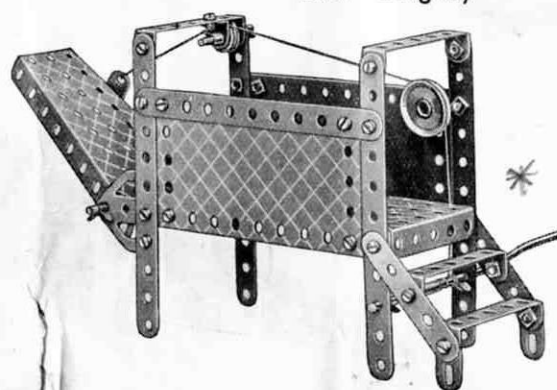
B92.
Watchman's Hut and Fire

Parts required		
2 of No. 2	2 of No. 35	3 of No. 111c
9 " " 5	34 " " 37	2 " " 126
2 " " 10	3 " " 37a	2 " " 126a
6 " " 12	2 " " 48a	1 " " 188
1 " " 16	1 " " 52	1 " " 190
1 " " 23	4 " " 90a	2 " " 191



B93.
Junction Signal

Parts required	
3 of No. 2	2 of No. 11
7 " " 5	2 " " 12
2 " " 10	2 " " 17
	4 " " 22
	4 " " 23
	4 " " 35
	21 " " 37
	6 " " 37a
	1 " " 40
	1 " " 52
	3 " " 111c
	1 " " 126a



B94.
Miller's Cart

Parts required			
2 of No. 2	2 of No. 16	2 of No. 37a	2 of No. 111c
4 " " 5	2 " " 22	1 " " 40	2 " " 125
4 " " 10	1 " " 23	2 " " 48a	2 " " 126
1 " " 11	4 " " 35	1 " " 52	2 " " 126a
8 " " 12	26 " " 37	4 " " 90a	1 " " 190

B95.
Revolving Office Chair

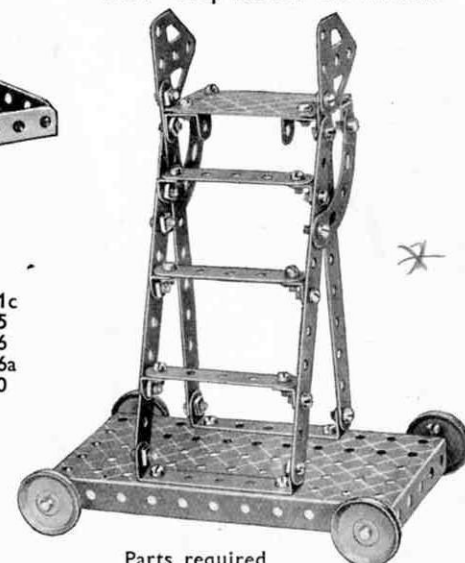
Parts required	
6 of No. 5	5
4 " " 10	10
3 " " 12	12
1 " " 17	17
2 " " 22	22
1 " " 24	24
26 " " 37	37
4 " " 37a	37a
1 " " 48a	48a
4 " " 90a	90a
2 " " 126	126
2 " " 190	190



B96. Gangway

Parts required	
6 of No. 2	2
4 " " 5	5
3 " " 10	10
5 " " 12	12
1 " " 16	16
1 " " 17	17
1 " " 19s	19s
1 " " 22	22
1 " " 23	23
6 " " 35	35
32 " " 37	37
1 " " 37a	37a
1 " " 40	40
2 " " 48a	48a
1 " " 52	52
1 " " 54a	54a
1 " " 111c	111c
2 " " 126a	126a
1 " " 176	176
2 " " 191	191

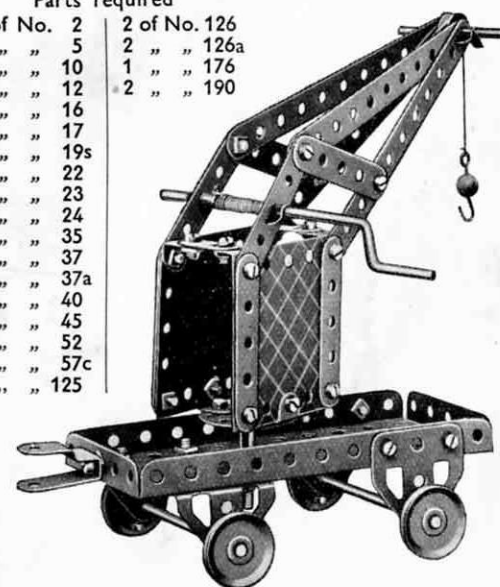
B97. Step Ladder on Wheels

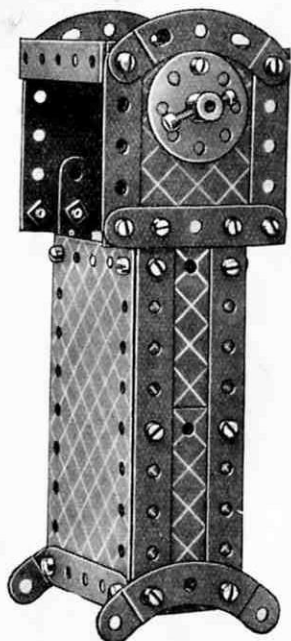


Parts required		
4 of No. 2	2 of No. 16	1 of No. 52
5 " " 5	4 " " 22	2 " " 90a
2 " " 11	32 " " 37	2 " " 126a
8 " " 12	2 " " 48a	1 " " 188

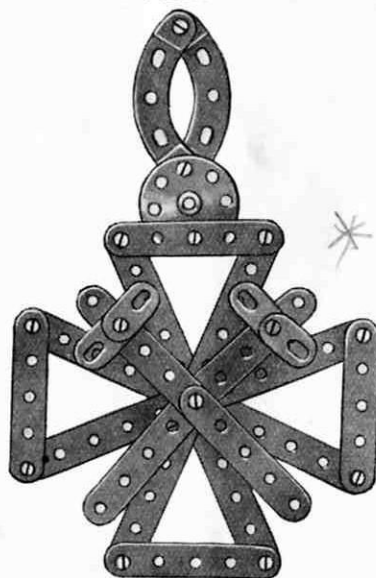
B98. Breakdown Crane

Parts required	
4 of No. 2	2 of No. 126
8 " " 5	2 " " 126a
3 " " 10	1 " " 176
8 " " 12	2 " " 190
2 " " 16	
2 " " 17	
1 " " 19s	
4 " " 22	
1 " " 23	
1 " " 24	
5 " " 35	
32 " " 37	
1 " " 37a	
1 " " 40	
1 " " 45	
1 " " 52	
1 " " 57c	
1 " " 125	

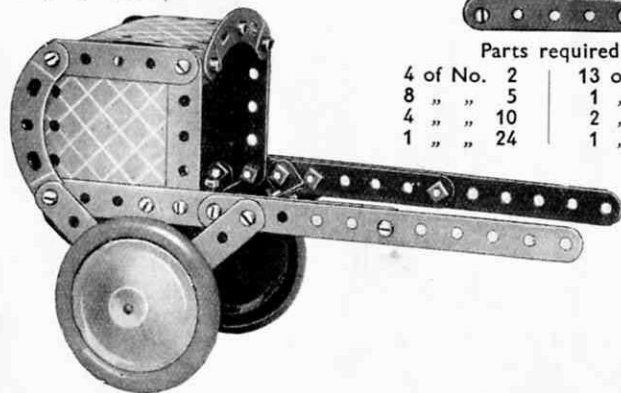


B99.
Grandfather Clock

Parts required	
4 of No. 2	
8 " " 5	
8 " " 12	
1 " " 24	
31 " " 37	
2 " " 48a	
4 " " 90a	
1 " " 111c	
2 " " 188	
2 " " 190	
2 " " 191	

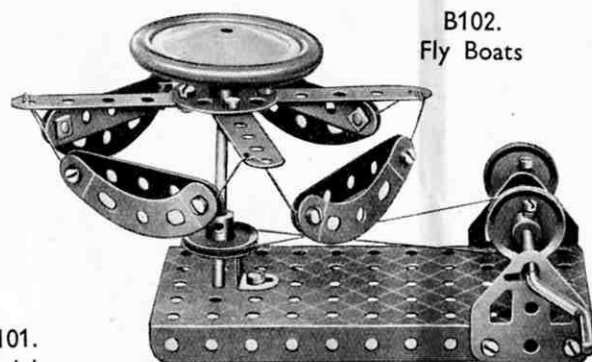
B101.
MedalB100.
Rickshaw

Parts required	
4 of No. 2	3 of No. 90a
9 " " 5	2 " " 126a
7 " " 12	2 " " 187
1 " " 15b	2 " " 190
31 " " 37	2 " " 191
2 " " 48a	



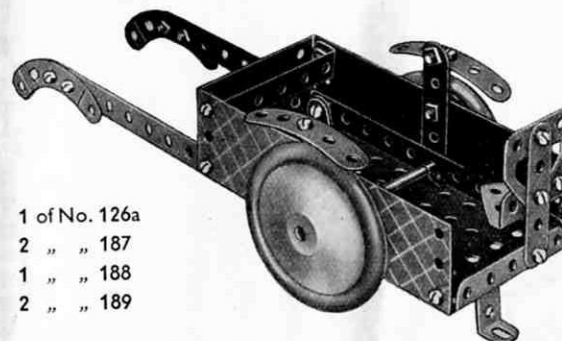
Parts required

4 of No. 2	13 of No. 37
8 " " 5	1 " " 37a
4 " " 10	2 " " 90a
1 " " 24	1 " " 111c

B102.
Fly Boats

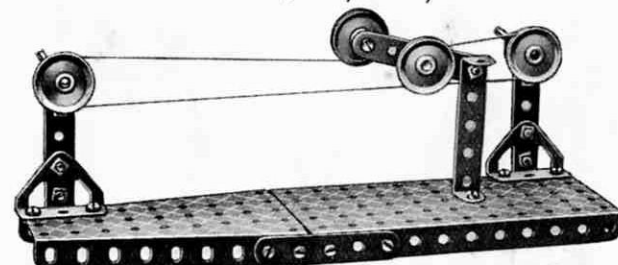
Parts required	
2 of No. 2	
4 " " 5	
1 " " 15b	
1 " " 19s	
3 " " 22	
1 " " 24	
2 " " 35	
17 " " 37	
8 " " 37a	
1 " " 40	
1 " " 52	
4 " " 90a	
2 " " 125	
1 " " 126a	
1 " " 187	

B103. Milk Float



Parts required	
2 of No. 2	
6 " " 5	
5 " " 12	
1 " " 15b	
26 " " 37	
2 " " 48a	
1 " " 52	
2 " " 90a	
1 " " 125	
1 " " 126	
1 of No. 126a	
2 " " 187	
1 " " 188	
2 " " 189	

B105. Jockey Pulley

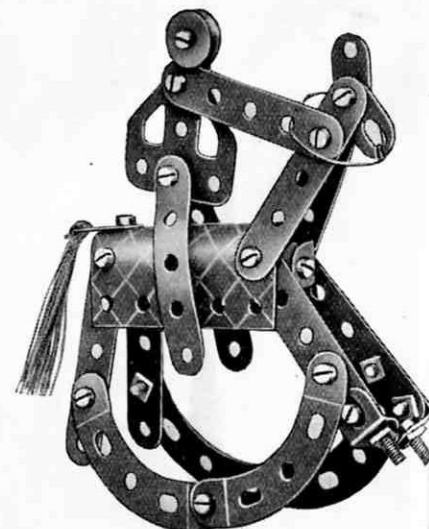
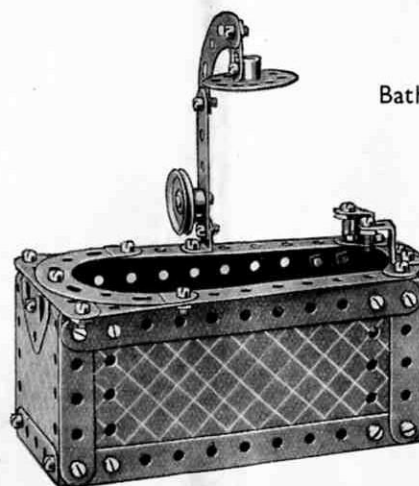


Parts required	
5 of No. 2	1 of No. 37a
2 " " 17	1 " " 40
4 " " 22	1 " " 48a
2 " " 35	1 " " 52
20 " " 37	
	1 of No. 54a
	2 " " 111c
	2 " " 125
	2 " " 126

B106.
Rocking Horse

Parts required

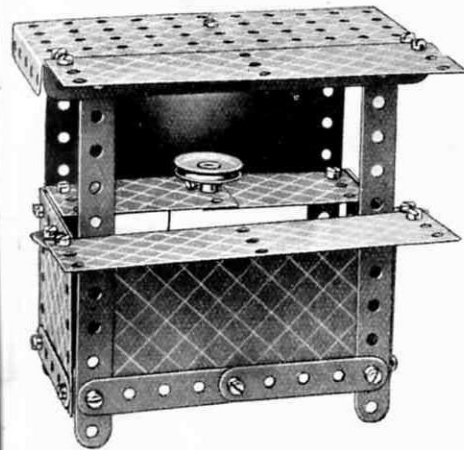
9 of No. 5	8 of No. 37a
4 " " 10	1 " " 40
6 " " 12	4 " " 90a
1 " " 23	5 " " 111c
17 " " 37	1 " " 126a
	1 " " 190

B104.
Bath with Shower

Parts required	
4 of No. 2	
7 " " 5	
1 " " 10	
8 " " 12	
1 " " 22	
1 " " 23	
1 " " 24	
36 " " 37	
4 " " 37a	
1 " " 52	
4 " " 90a	
5 " " 111c	
2 " " 125	
2 " " 190	
2 " " 191	

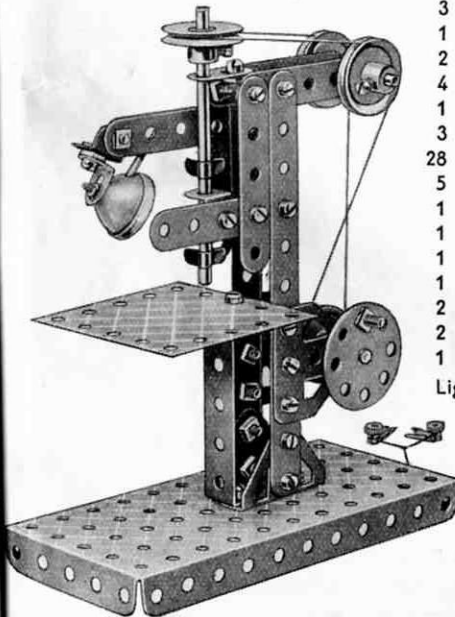
These Models can be built with **MECCANO Outfit B** (or Outfits A and Aa)

B107.
Coffee Stall

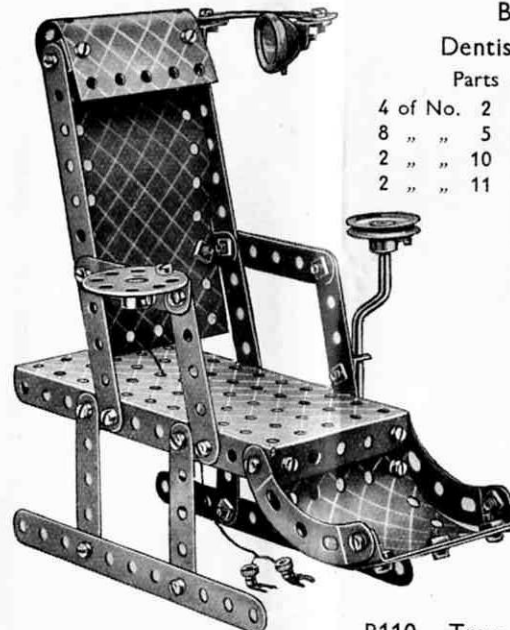


Parts required	
4 of No. 2	
8 " " 5	
4 " " 10	
8 " " 12	
1 " " 22	
35 " " 37	
2 " " 48a	
1 " " 52	
1 " " 111c	
2 " " 188	
2 " " 189	
2 " " 190	
2 " " 191	
Lighting Set	

B108.
Sensitive Drill



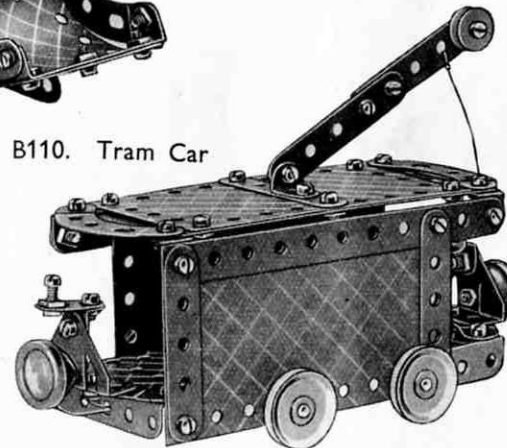
Parts required	
2 of No. 2	
6 " " 5	
2 " " 10	
2 " " 11	
3 " " 12	
1 " " 16	
2 " " 17	
4 " " 22	
1 " " 24	
3 " " 35	
28 " " 37	
5 " " 37a	
1 " " 40	
1 " " 48a	
1 " " 52	
1 " " 111c	
2 " " 126	
2 " " 126a	
1 " " 190	
Lighting Set	



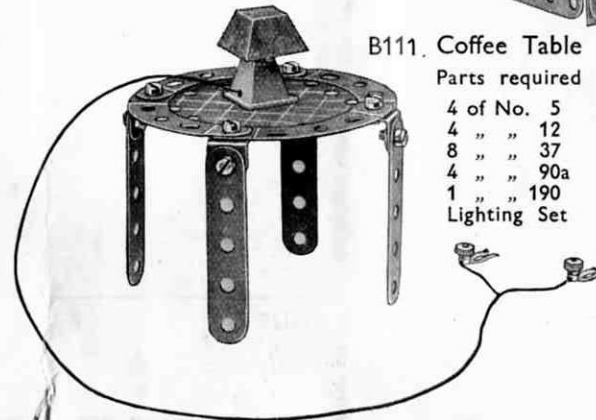
B109.
Dentist's Chair

Parts required	
4 of No. 2	
8 " " 5	
2 " " 10	
2 " " 11	
7 of No. 12	
1 " " 19s	
1 " " 22	
1 " " 24	
3 " " 35	
36 " " 37	
6 " " 37a	
1 " " 48a	
1 " " 52	
3 " " 90a	
4 " " 111c	
1 " " 126a	
2 " " 190	
1 " " 191	
Lighting Set	

B110. Tram Car

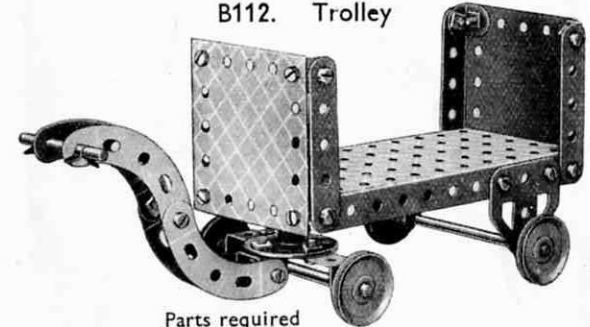


B111. Coffee Table



Parts required	
4 of No. 5	
4 " " 12	
8 " " 37	
4 " " 90a	
1 " " 190	
Lighting Set	

B112. Trolley



Parts required					
4 of No. 5		4 of No. 22		1 of No. 52	
1 " " 11		1 " " 24		4 " " 90a	
4 " " 12		3 " " 35		2 " " 125	
2 " " 16		28 " " 37		2 " " 126a	
2 " " 17		1 " " 48a		2 " " 190	

B113.

Arc Lamp

Parts required	
2 of No. 1	
12 " " 37	
1 " " 52	
2 " " 90a	
2 " " 126	
Lighting Set	



MECCANO LIGHTING SET

The appearance of many Meccano models, especially those built with Outfits A, B and C, is greatly improved by the addition of electric lights at suitable points. For this purpose a Meccano Lighting Set has been introduced. This consists of two pea-lamps, two spot lights, and a fancy lamp shade, the appearance and uses of which are shown on this page in models B107, B108, B109, B110, B111 and B113.

These Models can be built with MECCANO Outfit B (or Outfits A and Aa)

B114. Dressing Table

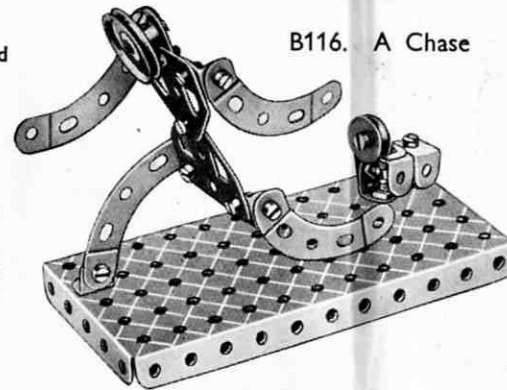


Parts required

3 of No. 2	1 of No. 52
9 " " 5	1 " " 90a
4 " " 10	1 " " 111c
8 " " 12	1 " " 126a
1 " " 23	2 " " 190
33 " " 37	2 " " 191
3 " " 37a	

Parts required

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

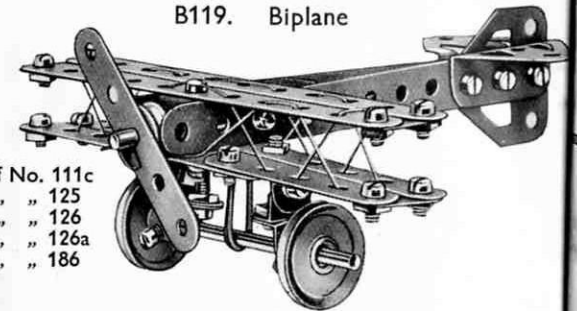


B116. A Chase

Parts required

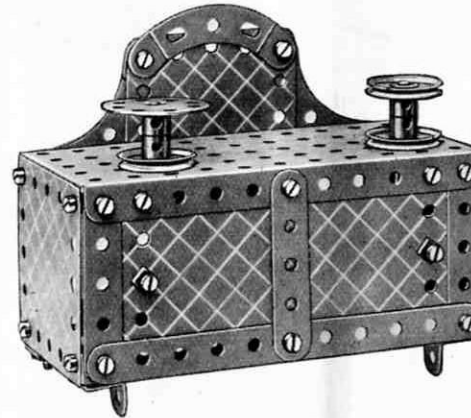
4 of No. 2
6 " " 5
4 " " 10
2 " " 11
4 " " 12
2 " " 16
2 " " 22
1 " " 23
2 " " 35
22 " " 37
3 " " 37a
1 " " 40

B119. Biplane



3 of No. 111c
2 " " 125
2 " " 126
1 " " 126a
1 " " 186

B120. Sideboard



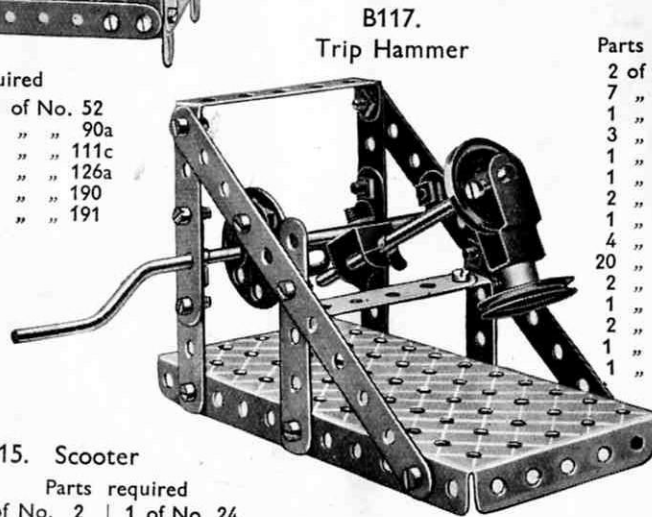
Parts required

2 of No. 2
7 " " 5
1 " " 11
3 " " 12
1 " " 16
1 " " 19s
2 " " 22
1 " " 24
4 " " 35
20 " " 37
2 " " 37a
1 " " 45
2 " " 48a
1 " " 52
1 " " 111c

B121. Stamping Machine

Parts required

4 of No. 2	1 of No. 24
7 " " 5	2 " " 35
2 " " 10	20 " " 37
2 " " 12	2 " " 48a
2 " " 16	1 " " 52
1 " " 19s	2 " " 126a
4 " " 22	1 " " 186



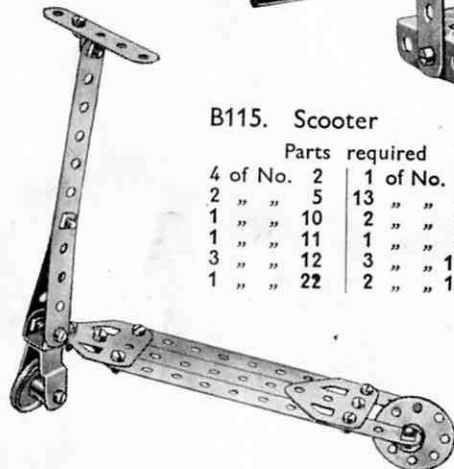
B117. Trip Hammer

Parts required	3 of No. 22	1 of No. 52
2 of No. 2	1 " " 24	3 " " 90a
5 " " 5	2 " " 35	2 " " 125
8 " " 12	28 " " 37	2 " " 190
2 " " 17	2 " " 37a	2 " " 191

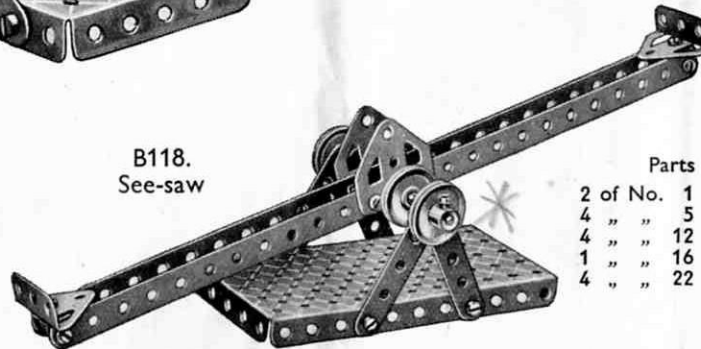
B115. Scooter

Parts required

4 of No. 2	1 of No. 24
2 " " 5	13 " " 37
1 " " 10	2 " " 37a
1 " " 11	1 " " 45
3 " " 12	3 " " 111c
1 " " 22	2 " " 126a



B118. See-saw



Parts required

2 of No. 1	14 of No. 34
4 " " 5	1 " " 52
4 " " 12	2 " " 126
1 " " 16	2 " " 126a
4 " " 22	

HOW TO CONTINUE

This completes our examples of models that may be made with MECCANO Outfit B (or Outfits A and Aa). The next models are a little more advanced, requiring extra parts to construct them. The necessary parts are all contained in a Ba Accessory Outfit, the price of which may be obtained from any Meccano dealer.

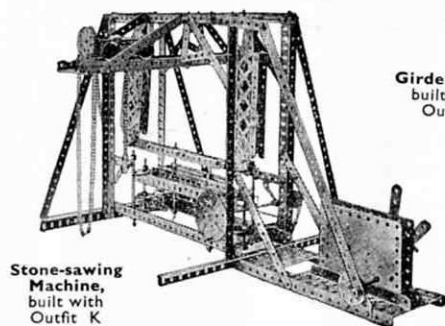
Windmill,
built with
Outfit E

Racing Seaplane,
built with Outfit

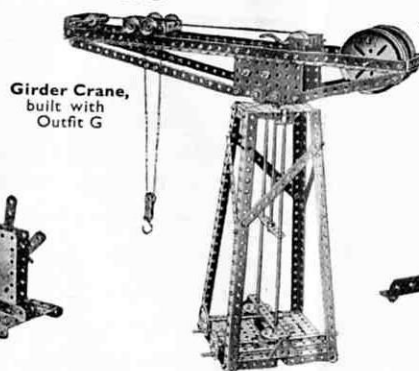
Build Bigger and Better Models



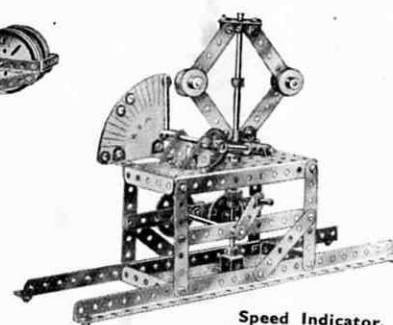
Windmill,
built with
Outfit E



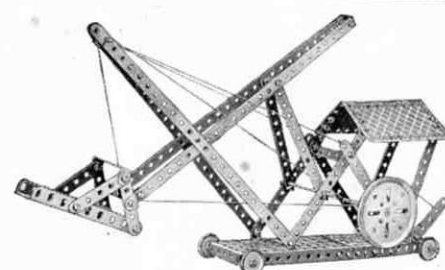
Stone-sawing
Machine,
built with
Outfit K



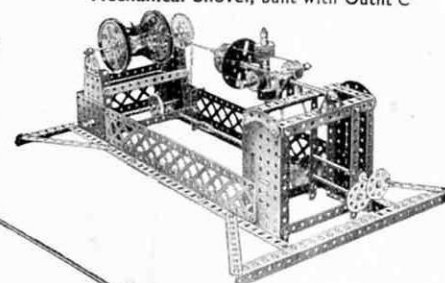
Girder Crane,
built with
Outfit G



Speed Indicator,
built with Outfit G



Mechanical Shovel, built with Outfit C



Wire Rope-making
Machine,
built with Outfit G

Keep adding to your Outfit

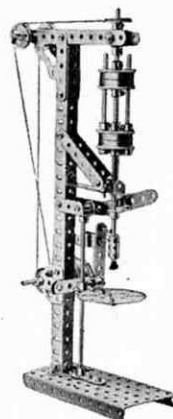
The more Meccano parts you have, the bigger and better the models you are able to build. Keen and enthusiastic model-builders keep adding to their Outfits, until they are able to build all the wonderful models shown in the Meccano Manuals.

The model-building possibilities of the Meccano System are limitless. All the fine models illustrated on this page are examples of the types you will be able to build as your Outfit develops.

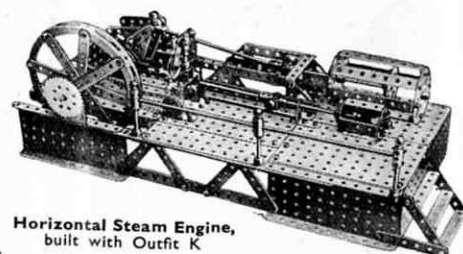
You can purchase separate Meccano parts as you require them or, if you prefer, you can purchase Accessory Outfits that connect all the main Outfits.



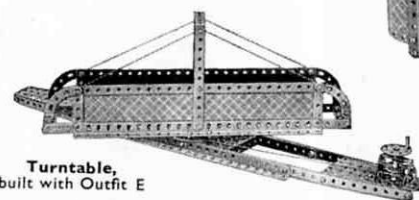
Elevated
Jib Crane,
built with
Outfit C



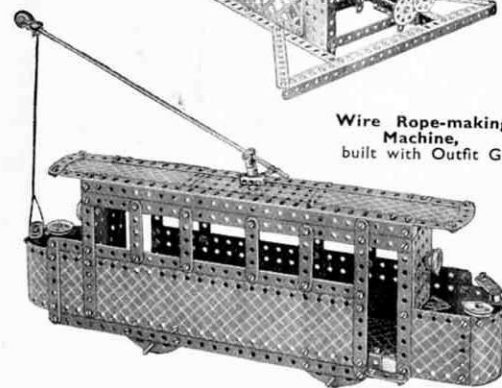
Vertical Drill,
built with
Outfit H



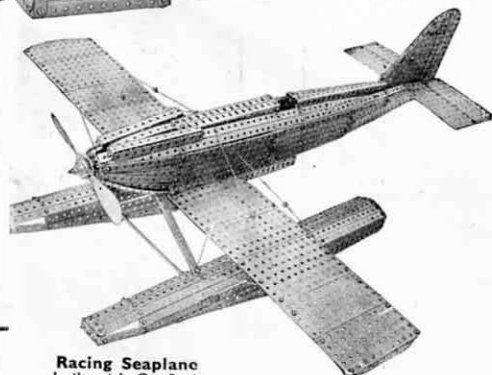
Horizontal Steam Engine,
built with Outfit K



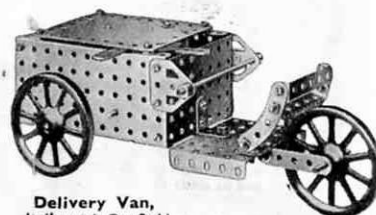
Turntable,
built with Outfit E



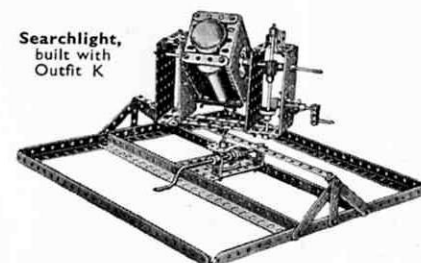
Tramcar, built with Outfit F



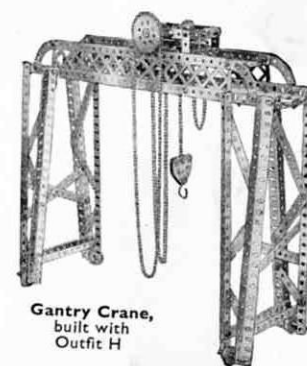
Racing Seaplane
built with Outfit L



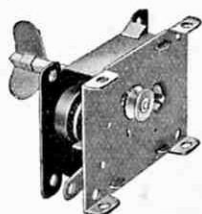
Delivery Van,
built with Outfit H



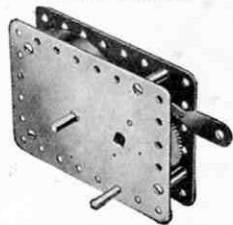
Searchlight,
built with
Outfit K



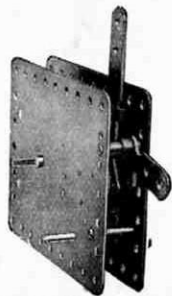
Gantry Crane,
built with
Outfit H



X Clockwork Motor



No. 1 Clockwork Motor



No. 2 Clockwork Motor



Resistance Controller



6-volt 20-amp. hr. Accumulator

MECCANO

POWER UNITS FOR OPERATING MECCANO MODELS

If you want to obtain the fullest enjoyment from the Meccano hobby you should operate your models by means of one of the Meccano power units described on this page. You push over the control lever of the clockwork or electric motor and immediately your Crane, Motor Car, Ship Coaler or Windmill commences to work in exactly the same manner as its prototype in real life.

The side plates and bases of each motor are pierced with the standard Meccano equidistant holes, which enables the motor to be built into any Meccano model in the exact position required.

Meccano Clockwork Motors

These are the finest clockwork Motors obtainable for driving models. They have exceptional power and length of run and their gears are cut with such precision as to make them perfectly smooth and steady in operation.

X SERIES CLOCKWORK MOTOR. A fine Motor specially designed to drive with ease any of the X Series models. It is non-reversing.

No. 1 CLOCKWORK MOTOR. An efficient and long-running Motor fitted with a brake lever. It is non-reversing.

No. 1a. CLOCKWORK MOTOR. This Motor is more powerful than the No. 1 Motor and is fitted with reversing motion. It has start, stop and reverse levers.

No. 2 CLOCKWORK MOTOR. This is a Motor of super quality. Brake and reverse levers enable the Motor to be started stopped or reversed, as required.

Meccano Electric Motors

The five Meccano Electric Motors detailed below provide smooth-running power units for the operation of Meccano models. The 6-volt Motors may be operated either from a 6-volt Accumulator, or through a Transformer direct from the mains providing that the supply is alternating current. They cannot be run satisfactorily from dry cells. The 20-volt Motors are most conveniently operated through a 20-volt Transformer from alternating current supply mains.

No. E1 Electric Motor (6-volt). Non-reversing.

No. E6 Electric Motor (6-volt). Reversing.

No. E120 Electric Motor (20-volt). Non-reversing.

No. E20A Electric Motor (20-volt). Non-reversing.

No. E20B Electric Motor (20-volt). Reversing.

Meccano Transformers

A Meccano Transformer provides a convenient and safe means of driving a Meccano Electric Motor from the mains supply where this is alternating current.

There are six Transformers in the series, all of which are available for the following A.C. supplies:—100/110 volts, 50 cycles; 200/225 volts, 50 cycles; 225/250 volts, 50 cycles. Any of the Transformers can be specially wound for supplies other than these at a small extra charge. When ordering a Transformer the voltage and frequency of the supply must always be stated.

No. T6 Transformer (Output 25 VA at 9 volts) for 6-volt Electric Motors. Fitted with speed regulator.

No. T6M Transformer (Output 25 VA at 9 volts) for 6-volt Electric Motors. This is similar to No. T6, but is not fitted with a speed regulator.

No. T6A Transformer (Output 40 VA at 9/3½ volts) for 6-volt Electric Motors. Fitted with speed regulator and separate circuit for supplying current for eighteen 3½-volt lamps.

No. T20 Transformer (Output 20 VA at 20 volts) for 20-volt Electric Motors. Fitted with 5-stud speed regulator.

No. T20M Transformer (Output 20 VA at 20 volts) for 20-volt Electric Motors. This is similar to No. T20, but is not fitted with speed regulator.

No. T20A Transformer (Output 35 VA at 20/3½ volts) for 20-volt Electric Motors. Fitted with speed regulator and output sockets for lighting lamps.

Accumulators

The 6-volt 20-amp. hr. Accumulator is specially suitable for running Meccano 6-volt Motors and Hornby 6-volt Electric Trains.

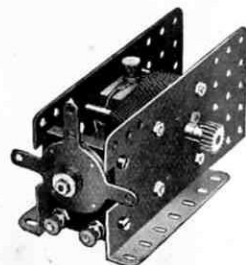
The 2-volt 20-amp. hr. Meccano Accumulator is supplied for converting 4-volt Accumulators to 6-volt.

Resistance Controller

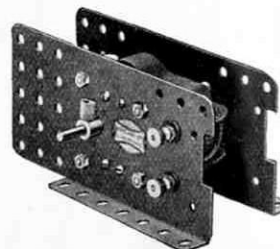
This Controller enables the speed of Meccano 6-volt and 20-volt Motors and Hornby 6-volt and 20-volt Electric Trains to be regulated as desired.



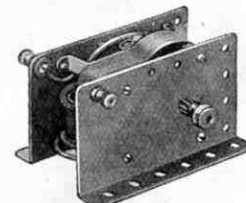
No. E1 Electric Motor (6-volt)



No. E6 Electric Motor (6-volt)



No. E20a Electric Motor (20-volt)



No. E1/20 Electric Motor (20-volt)



No. T20 Transformer

Ask your dealer for a complete price list

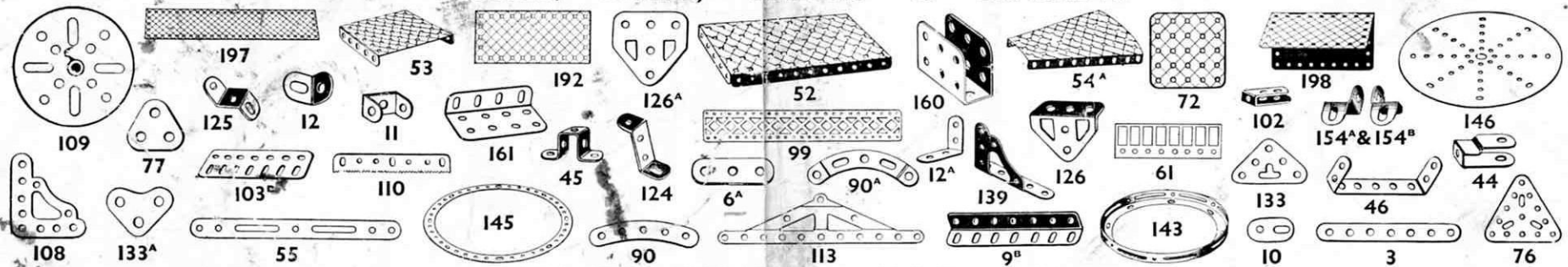
MECCANO PARTS AND ACCESSORIES

No.	Description.	No.	Description.	No.	Description.	No.	Description.	No.	Description.
1	Perforated Strips, 12" ...	27	Gear Wheels 50 teeth ...	64	Threaded Bosses ...	111	Bolts, 3" ...	154a	Corner Angle Brackets, R.H.
1a	" " 9" ...	27a	" " 57" ...	65	Centre Forks ...	111a	" " 2" ...	154b	" " L.H.
1b	" " 7" ...	27b	Gear Wheels, 133 teeth 3 1/2" diam.	66	Weights 50-gramme ...	111c	" " 1 1/2" ...	155	Rubber Rings, 8" ...
2	" " 5" ...	27c	" " 95" 2 1/2" diam.	67	" " 25" ...	113	Girder Frames ...	156	Pointers, 2 1/2", with boss ...
2a	" " 4" ...	28	Contrate Wheels, 1 1/2" diam.	68	Woodscrews, 1 1/2" ...	114	Hinges ...	157	Fans 2" diam. ...
3	" " 3" ...	29	" " 1 1/2" ...	69	Set Screws ...	115	Threaded Pins ...	158a	Signal Arms, Home ...
3a	" " 2 1/2" ...	30	Bevel Gears, 26 teeth ...	69a	Grub Screws, 5/32" ...	116	Fork Pieces, Large ...	158b	" " Distant ...
3b	" " 2" ...	30a	" " 16" ...	69b	" " 7/32" ...	116a	" " Small ...	160	Channel Bearings, 1 1/2" x 1 1/2" ...
3c	" " 1 1/2" ...	30c	" " 48" ...	70	Flat Plates, 5" x 2 1/2" ...	117	Steel Balls, 3/8" diam. ...	161	Girder Brackets, 2" x 1 1/2" ...
6a	" " 1" ...	31	Gear Wheels, 1 1/2", 38 teeth	72	" " 2 1/2" x 2 1/2" ...	118	Hub Discs, 5 1/2" diam. ...	162	Boiler with ends, complete ...
7	Angle Girders, 24" ...	32	Worms ...	73	" " 3" x 1 1/2" ...	119	Channel Segments (8 to circle)	162a	Boiler Ends ...
7a	" " 18" ...	34	Spanners ...	76	Triangular Plates 2 1/2" ...	120	Buffers ...	162b	Boilers without Ends ...
8	" " 12" ...	34b	Box Spanners ...	77	" " 1" ...	120a	Spring Buffers ...	163	Sleeve Pieces for Cylinder ...
8a	" " 10" ...	35	Spring Clips ...	78	Screwed Rods, 1 1/2" ...	120b	Compression Springs ...	164	Chimney Adaptors ...
8b	" " 7" ...	36	Screwdrivers ...	79	" " 8" ...	121	Train Couplings ...	165	Swivel Bearings ...
9	" " 5" ...	36a	" " extra long ...	79a	" " 6" ...	122	Miniature Loaded Sacks ...	166	End Bearings ...
9a	" " 4" ...	36b	Screwdrivers Special ...	80	" " 5" ...	123	Cone Pulleys ...	167	Geared Roller Bearings ...
9b	" " 3" ...	37	Nuts and Bolts, 7/32" ...	80a	" " 3 1/2" ...	124	Reversed Angle Brackets, 1" ...	167a	Roller Races, Geared, 192 teeth
9c	" " 2 1/2" ...	37a	Nuts ...	80b	" " 4" ...	125	" " 1 1/2" ...	167b	Ring Frames for Rollers ...
9d	" " 2" ...	37b	Bolts, 7/32" ...	81	" " 2" ...	126	Trunnions ...	167c	Pinions, 15 teeth ...
9e	" " 1 1/2" ...	38	Washers ...	82	" " 1" ...	126a	Flat Trunnions ...	168	Ball Bearings, 4" diam.
9f	" " 1" ...	40	Hanks of Cord ...	89	Curved Strips 5/8" ...	127	Simple Bell Cranks ...	168a	" " Races, Flanged Disc ...
10	Flat Brackets ...	41	Propeller Blades ...	89a	" " 3" Cranked ...	128	Boss Bell Cranks ...	168b	" " Toothed ...
11	Double Brackets ...	43	Spings ...	89b	" " 4" ...	129	Rack Segments, 3" diam.	168c	Ball Casings complete with Balls ...
12	Angle Brackets, 1" x 1" ...	44	Cranked Bent Strips ...	90	" " 2 1/2" Cranked ...	130	Triple Throw Eccentrics ...	169	Digger Buckets ...
12a	" " 1" x 1" ...	45	Double Bent Strips ...	90a	" " 2" Cranked ...	131	Dredger Buckets ...	170	Eccentrics 1/2" throw ...
12b	" " 1" x 1" ...	46	Double Angle Strips, 2" x 1" ...	94	Sprocket Chain 40" length ...	132	Flywheels, 2 1/2" diam.	171	Socket Couplings ...
12c	Obtuse Angle Bracket 1" x 1" ...	47	" " 2" x 1" ...	95	" " Wheels, 2" ...	133	Corner Brackets, 1 1/2" ...	172	Pendulum Connections ...
13	Axle Rods, 11" ...	47a	" " 3" x 1" ...	95a	" " 3" ...	133a	" " 1" ...	173	Rail Adaptors ...
13a	" " 8" ...	48	" " 1" x 1" ...	95b	" " 3" ...	134	Crank Shafts, 1" stroke ...	174	Grease Cups ...
14	" " 6" ...	48a	" " 2" x 1" ...	96	" " 1" ...	135	Theodolite Protractors ...	175	Flexible Coupling Units ...
15	" " 5" ...	48b	" " 2" x 1" ...	96a	" " 1" ...	136	Handrail Supports ...	176	Anchoring Springs for Cord ...
15a	" " 4" ...	48c	" " 4" x 1" ...	97	Braced Girders, 3" ...	136a	" " Coupling ...	177	Shafting Standard, Large ...
15b	" " 4" ...	48d	" " 5" x 1" ...	97a	" " 3" ...	137	Wheel Flanges ...	178	" " Small ...
16	" " 3" ...	50a	Eye Pieces with Boss ...	98	" " 2" ...	138	Ship's Funnels ...	179	Rod Socket ...
16a	" " 2 1/2" ...	51	Perf. Flanged Plates, 2 1/2" x 1 1/2" ...	99	" " 12" ...	138a	" " Raked, Cunard ...	180	Gear Ring 3 1/2", 133 teeth ext., 95 teeth int.
16b	" " 2" ...	52	" " 5 1/2" x 2 1/2" ...	99a	" " 2" ...	139	Flanged Brackets, Right ...	181	Bobbin ...
17	" " 2" ...	52a	Flat Plates, 5 1/2" x 3 1/2" ...	99b	" " 7" ...	139a	" " Left ...	182	Insulating Bush, 6BA ...
18a	" " 1" ...	53	Perf. Flanged Plates, 3 1/2" x 2 1/2" ...	100	" " 4" ...	141	Wire Lines (for clock-weight)	183	Lamp Holders ...
18b	" " 1" ...	53a	Flat Plates, 4 1/2" x 2 1/2" ...	100a	" " 4" ...	142	Rubber Rings, 3" ...	184a	Lamps, 2 1/2" volt ...
19	Crank Handles, 5" Shaft ...	54	Perf. Flanged Sector Plates, 4" ...	101	Healds for Loom ...	142a	Motor Tyres, 2" ...	184b	" " 3 1/2" ...
19a	" " 3" ...	55	Perf. Strips, Slotted, 5 1/2" ...	102	Single Bent Strips ...	142b	" " 3" ...	184c	" " 6" ...
19b	Pulley Wheels, 3" with set screws	55a	" " 2" ...	103	Flat Girders, 5 1/2" ...	142c	" " 1" ...	184d	" " 10" ...
19c	" " 6" ...	57	Hooks ...	103a	" " 9" ...	142d	" " 1 1/2" ...	184e	" " 20" ...
20a	Flanged Wheels 1 1/2" diam.	57a	" " Scientific ...	103b	" " 12" ...	143	Circular Girders, 5 1/2" diam.	185	Steering Wheel 1 1/2" diam.
20a	Pulley Wheels 2" with set screws	57b	" " Loaded ...	103c	" " 4" ...	144	Dog Clutches ...	186	Driving Bands ...
20b	Flanged Wheels 3" diam.	57c	" " Small ...	103d	" " 3" ...	145	Circular Strips, 7 1/2" diam.	187	Road Wheels ...
21	Pulley Wheels 1 1/2" with set screws	58	Spring Cord ...	103e	" " 3" ...	146	" " Plates, 6" diam.	188	Flexible Plates, 2 1/2" x 1 1/2" ...
22	" " 1" without ...	58a	Coupling Screws for Spring Cord	103f	" " 2" ...	146a	Circular Plates, 4" diam.	189	" " 5 1/2" x 1 1/2" ...
22a	" " 1" without ...	58b	" " Hooks ...	103g	" " 1" ...	147	Pawls with pivot bolt and nuts	190	" " 2 1/2" x 2 1/2" ...
23	" " 1" with ...	59	Collars with Grub Screws	103h	" " 7" ...	147a	Pawls ...	191	" " 4 1/2" x 2 1/2" ...
23a	" " 1" with ...	61	Windmill Sails ...	103k	" " 7" ...	147c	Pawl, without Boss ...	192	" " 5 1/2" x 2 1/2" ...
24	Bush Wheels ...	62	Cranks ...	104	Shuttles for Looms ...	148	Ratchet Wheels ...	193	Strip ...
25	Pinion Wheels, 1" diam., wide	62a	" " Threaded ...	105	Reed Hooks ...	149	Collector Shoes for Locos ...	194	" " 3 1/2" x 2 1/2" ...
25a	" " 1" ...	62b	Double Arm Cranks ...	106	Rollers for Looms, Wood ...	150	Crane Grabs ...	195	" " 5 1/2" x 2 1/2" ...
25b	" " 1" ...	63	Couplings ...	106a	" " Sand ...	151	Pulley Blocks, 1 Sheave ...	196	" " 9 1/2" x 2 1/2" ...
26	" " 1" ...	63a	" " Octagonal ...	107	Tables for Designing Machines	152	" " 2 Sheaves ...	197	" " 12 1/2" x 2 1/2" ...
26a	" " 1" ...	63b	" " Strip ...	108	Architraves ...	153	" " 3 Sheaves ...	198	Hinged Flat Plates 4 1/2" x 2 1/2" ...
26b	" " 1" ...	63c	" " Threaded ...	109	Face Plates, 2" diam. ...				
				110	Rack Strips, 3" ...				
				110a	" " 6" ...				

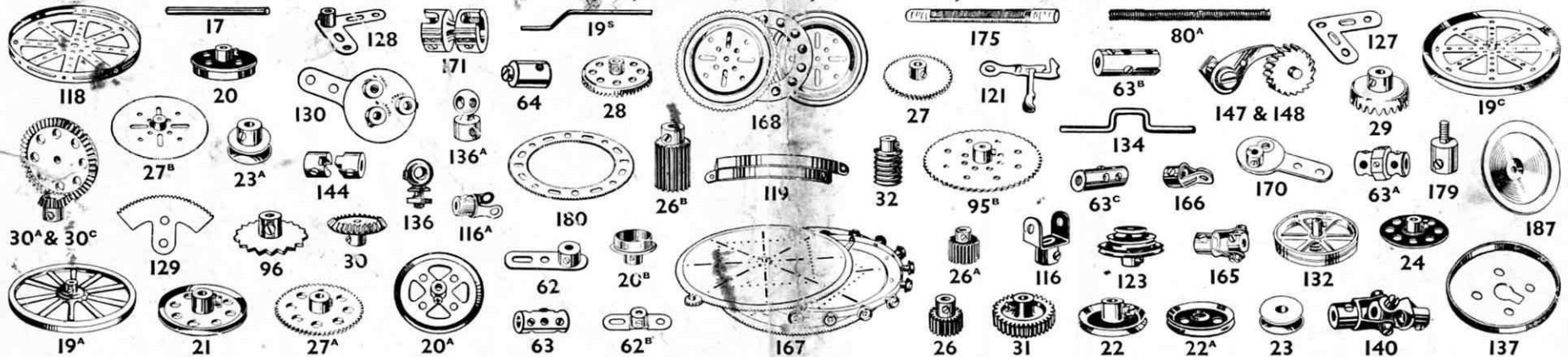
Ask your dealer for an illustrated price list of Meccano Parts and Accessories

MECCANO PARTS & ACCESSORIES

PLATES, STRIPS, GIRDERS & BRACKETS



WHEELS, PULLEYS, GEARS, ETC.



MISCELLANEOUS

