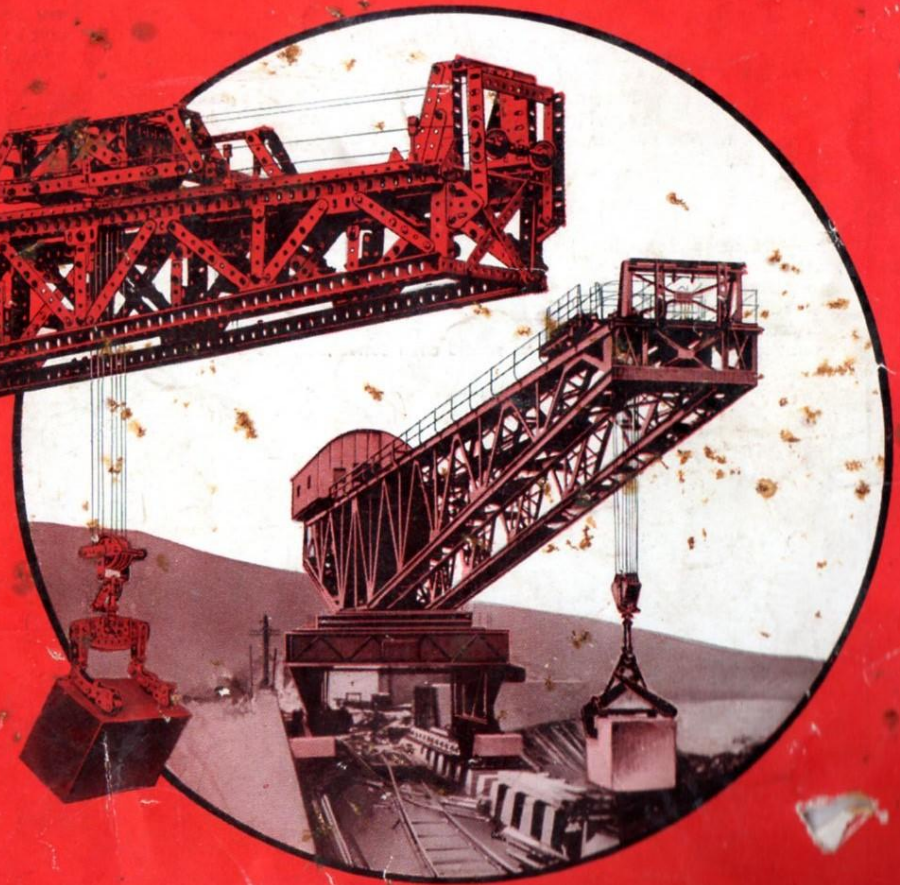


MECCANO

HORNBY'S ORIGINAL SYSTEM — FIRST PATENTED 1901

INSTRUCTIONS FOR OUTFITS A and B

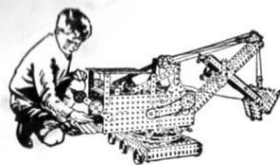
PRICE
4d.



34A-B

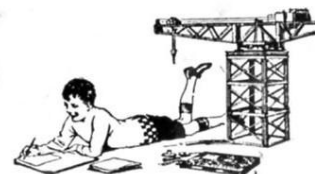
COPYRIGHT BY MECCANO LTD., BINNS ROAD, LIVERPOOL 13

07/10/10 (UK)



MECCANO

HORNBY'S ORIGINAL SYSTEM — FIRST PATENTED 1901



MODEL-BUILDING WITH MECCANO

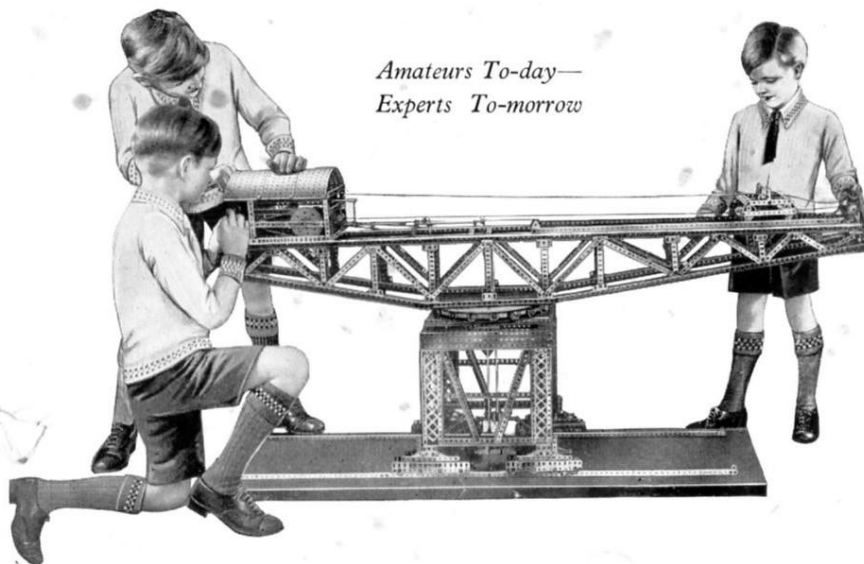
There is no limit to the number of models that can be built with Meccano—Cranes, Clocks, Motor Cars, Ship Coalers, Machine Tools, Locomotives—in fact everything that interests boys. A screwdriver and spanner, both of which are provided in the Outfit, are the only tools necessary.

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

Every keen and inventive Meccano model builder should obtain copies of the special Manuals "How to use Meccano Parts" and "Meccano Standard Mechanisms." These Manuals may be purchased from your dealer, or direct from Meccano Ltd., Binns Road, Liverpool 13.

HOW TO BUILD UP YOUR OUTFIT

Meccano is sold in ten different Outfits, lettered A to L. All Meccano parts are of the same high quality and finish, but the larger Outfits contain a greater quantity and variety of parts, making possible the construction of more elaborate models. Each Outfit from A upwards may be converted into the one next higher by the purchase of an Accessory Outfit. Thus, Meccano Outfit A may be converted into a B by adding to it an Aa Accessory Outfit. A Ba would then convert it into a C Outfit, and so on. In



*Amateurs To-day—
Experts To-morrow*

this way, no matter with which Outfit you commence, you may build it up by degrees until you possess an L Outfit. It is important to remember that Meccano Parts may be bought separately at any time in any quantity from your Meccano dealer.

ELECTRIC LIGHTING OF MECCANO MODELS

It is great fun to illuminate your Meccano models by electric light, and a special Meccano Lighting Set may be obtained from your dealer for this purpose. This consists of two spot lights with plain and coloured imitation glass discs, one stand lamp, two special brackets, and two pea lamps, operated from a 4-volt flashlamp battery (not included in the set). The stand lamp is used for decorative purposes, and the spot lights can be used as car headlamps, floodlights on cranes, and in countless other ways.

THE "MECCANO MAGAZINE"

The *Meccano Magazine* is specially written for Meccano boys. It tells them 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 splendid articles on such subjects as Railways, Famous Engineers and Inventors, Electricity, Chemistry, Bridges, Cranes, Wonderful Machinery, Aeronautics, Latest Patents, Radio, Stamps, Photography, Books and 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. The publishing date is the first of each month. If you are not already a reader of the *Meccano Magazine* write to the Editor for full particulars, or order a copy from your Meccano dealer or from any newsagent.

THE MECCANO GUILD

Every owner of a Meccano Outfit should join the Meccano Guild. This is a world-wide organisation for boys, started at the request of boys, and as far as possible conducted by boys. Its primary object is to bring boys together and to make them feel that they are all members of a great brotherhood, each trying to help the others to get the very best out of life. Write for full particulars and an application form to the Meccano Guild Secretary, Binns Road, Liverpool 13.

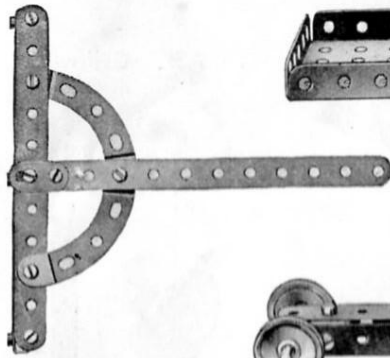
Meccano Clubs are founded and established under the guidance of the Guild Secretary at Headquarters, and at the present time there are active Clubs in nearly 250 towns and villages in the United Kingdom, and more than 100 in countries overseas. Each Club has its Leader, Secretary, Treasurer, and other officials, all of whom, with the exception of the Leader, are boys.

Special Merit Medallions are awarded to Club members for good work in connection with their Club, and recruiting medals are awarded in connection with the Recruiting Campaign, full particulars of which will be sent on request.

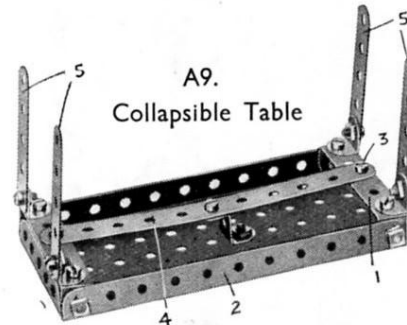
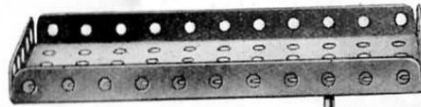
MECCANO SERVICE

The service of Meccano does not end with selling an Outfit and an Instruction Manual. When you want to know something more about engineering than is now shown in our books, or when you strike a tough problem of any kind, write to us. We receive over 200 letters from boys every day all the year round. Although all kinds of queries are put to us on all manner of subjects, the main interest is, of course, engineering. No one has such a wonderful knowledge of engineering matters as that possessed by our staff of experts. This vast store of knowledge, gained only by many years of hard-earned experience, is at your service. We want the Meccano boy of to-day to be the famous engineer of to-morrow.

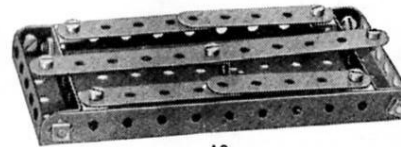
A1. Rake



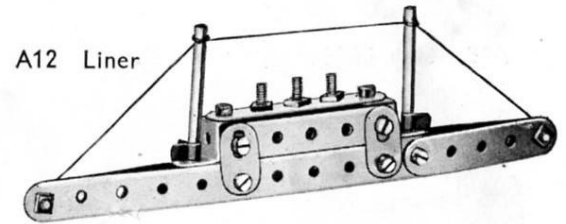
A5. Bed Table



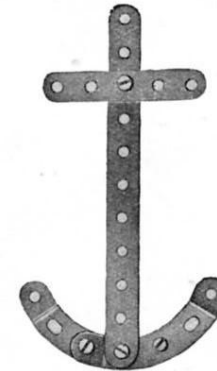
The $2\frac{1}{2}'' \times \frac{1}{2}''$ Double Angle Strips 1 are attached to the $5\frac{1}{2}'' \times 2\frac{1}{2}''$ Flanged Plate 2 by lock-nutted Bolts as in Standard Mechanism No. 263. The Bolts 3 are secured to the $5\frac{1}{2}''$ Strip 4 and their shanks engage with the centre holes in the $2\frac{1}{2}'' \times \frac{1}{2}''$ Double Angle Strips 1, thus maintaining the legs 5 in an upright position. When it is desired to fold up the legs 5, it is only necessary to raise the ends of the Strip 4, thus freeing the Double Angle Strips 1. The table is shown in the folded position in Fig. A9a.



A12. Liner



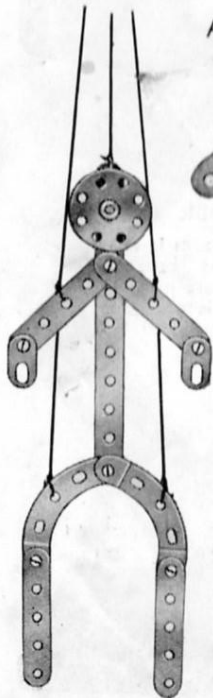
A13. Anchor



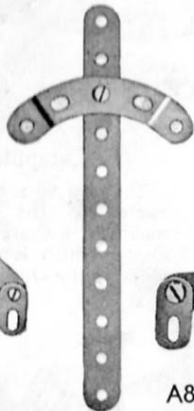
A16. Go-chair



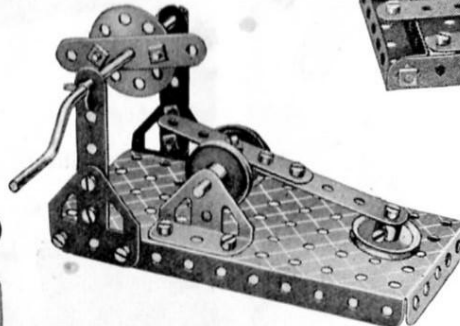
A3. Jumping Jack



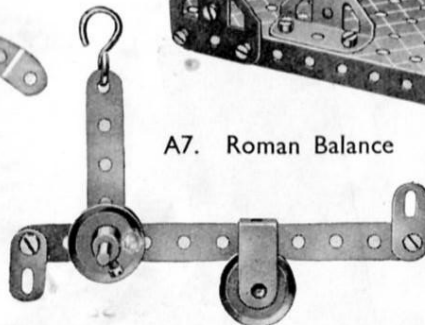
A4. Sword



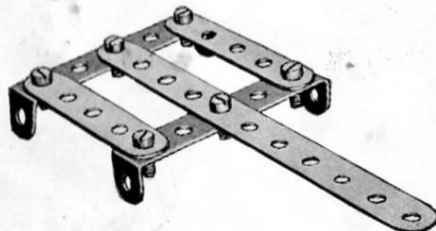
A6. Trip Hammer



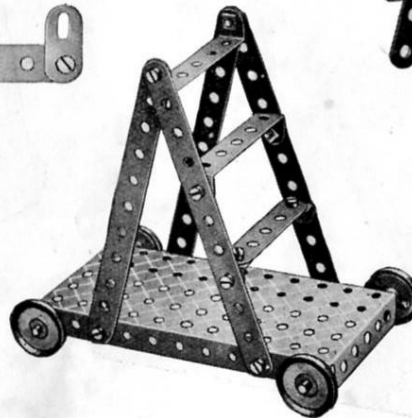
A7. Roman Balance



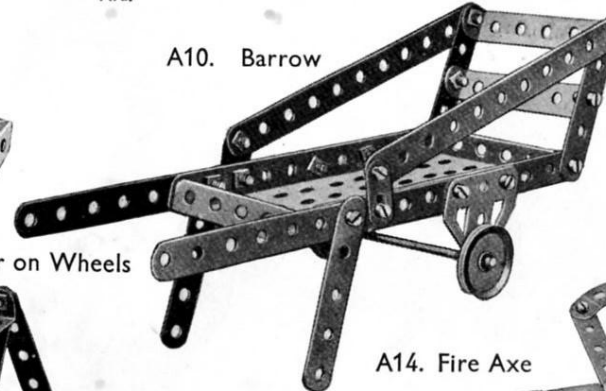
A8. Grill



A11. Ladder on Wheels



A10. Barrow



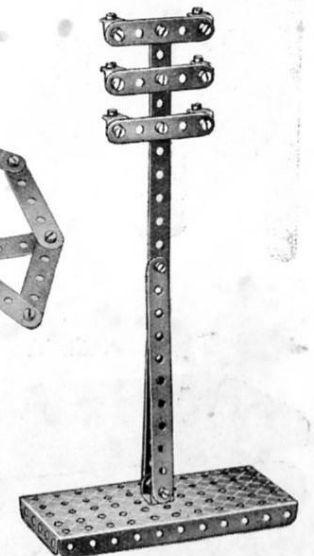
A14. Fire Axe



A15. Flat Truck

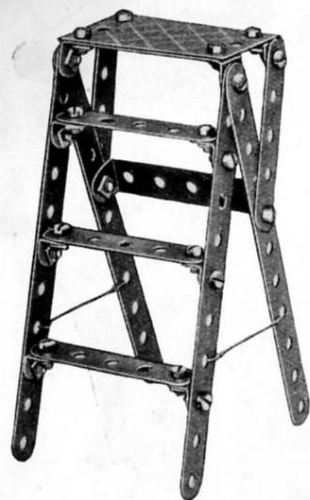


A17. Telegraph Pole

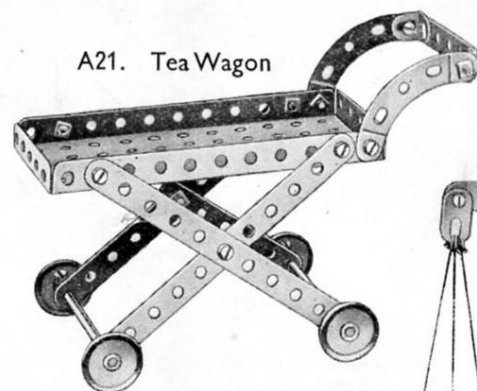


These Models can be built with **MECCANO** Outfit A.

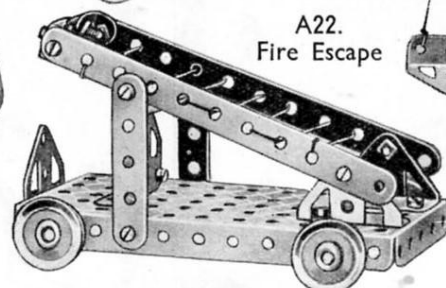
A18. Step Ladder



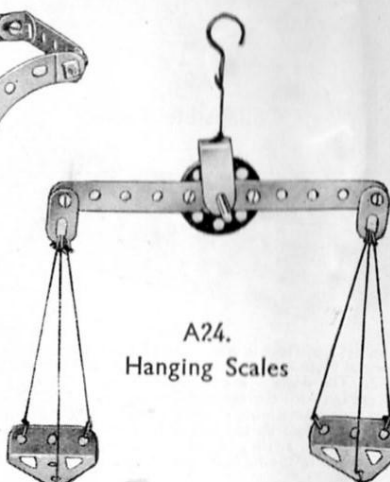
A21. Tea Wagon



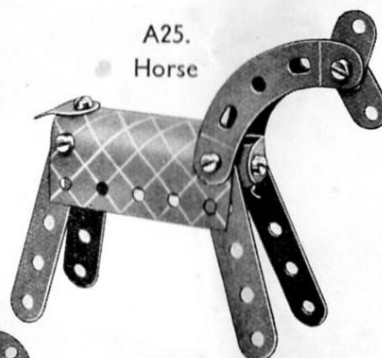
A22. Fire Escape



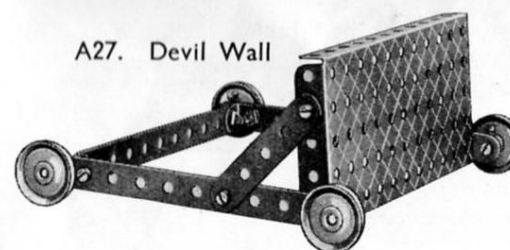
A24. Hanging Scales



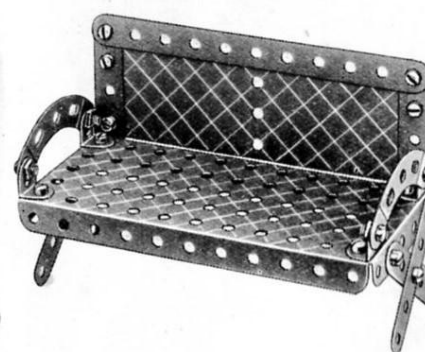
A25. Horse



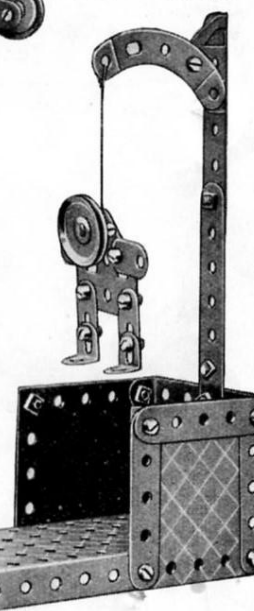
A27. Devil Wall



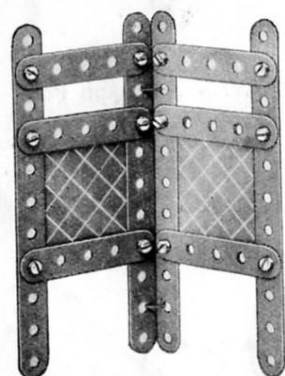
A28. Garden Seat



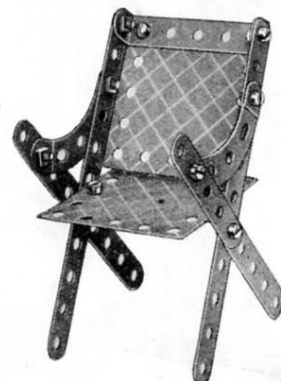
A30. Gallows



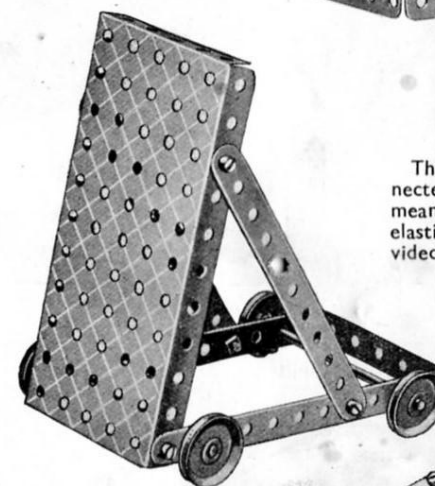
A19. Fire Screen



A23. Arm Chair

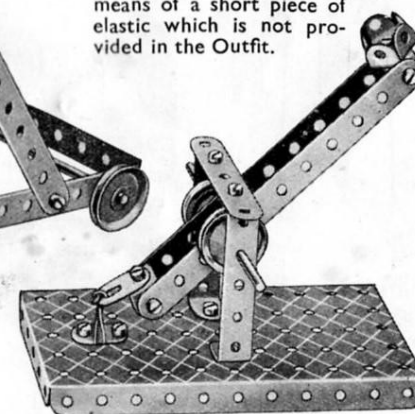


A29. Gravel Sifter

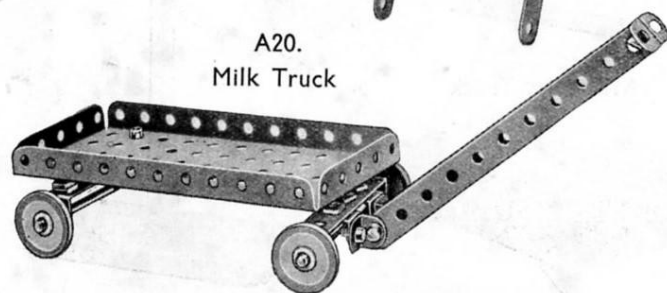


A31. Catapult

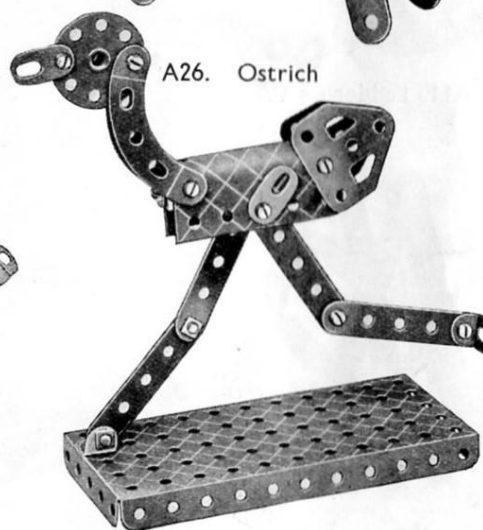
The pivoted arm is connected to the base by means of a short piece of elastic which is not provided in the Outfit.

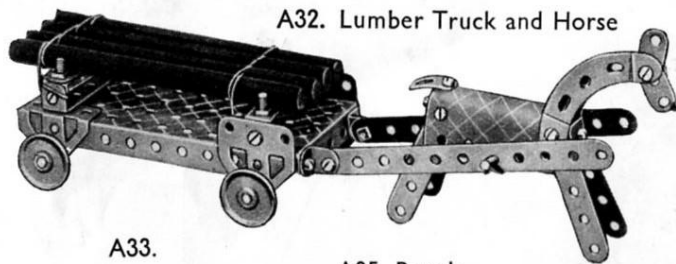


A20. Milk Truck



A26. Ostrich



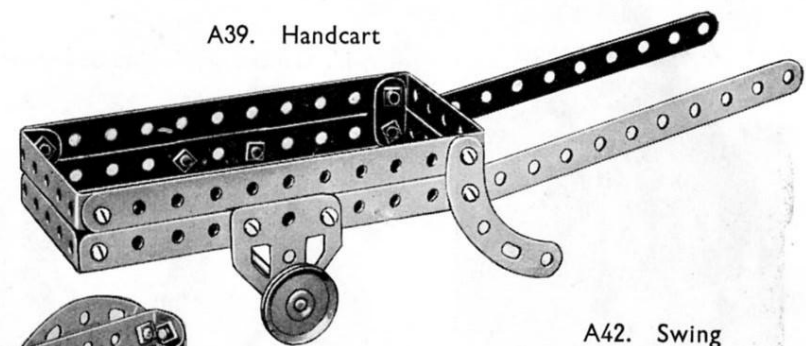


A32. Lumber Truck and Horse



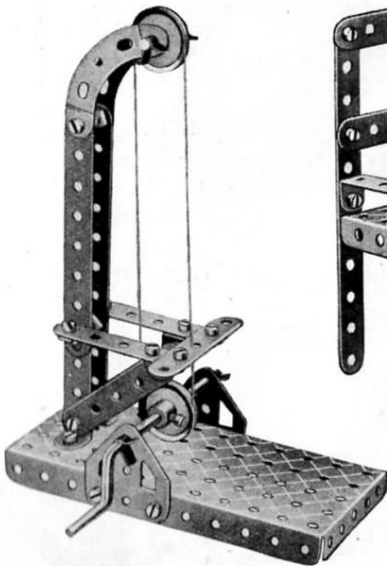
A37. Magic Plate

The cord is wound once round a 2 in. Axle Rod that is journalled in a $\frac{1}{2}$ -in. Reversed Angle Bracket, which is bolted to the Plate. If the cord is held loosely the Plate will drop, but as soon as the cord is tightened the Plate becomes immovable.

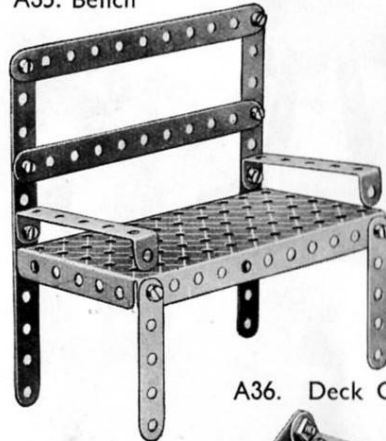


A39. Handcart

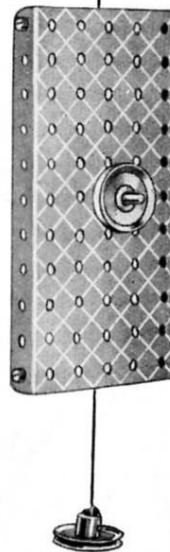
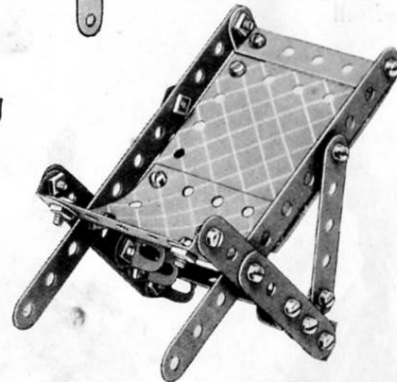
A33. Band Saw



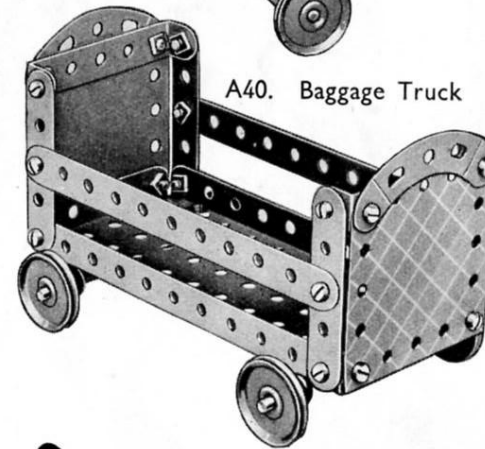
A35. Bench



A36. Deck Chair

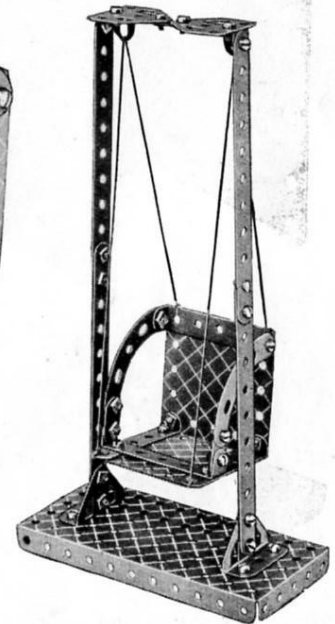


A38. Bacon Slicing Machine

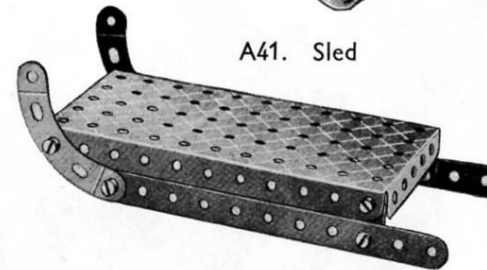


A40. Baggage Truck

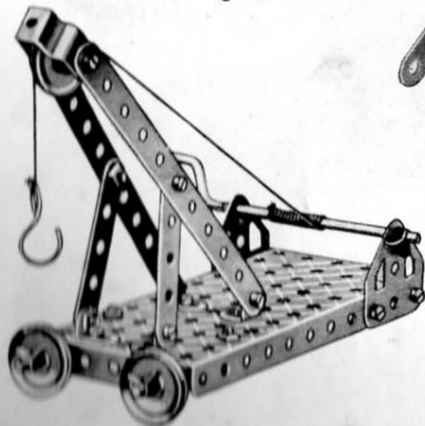
A42. Swing



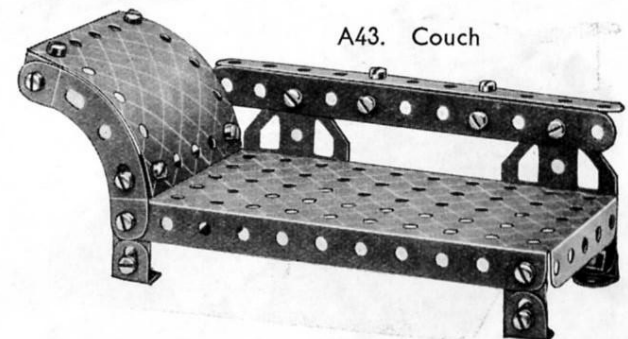
A41. Sled



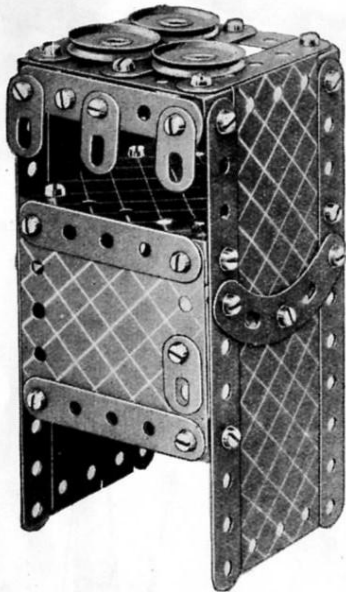
A34. Revolving Crane



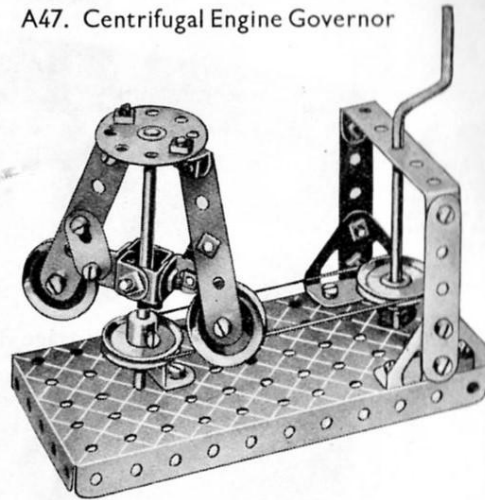
A43. Couch



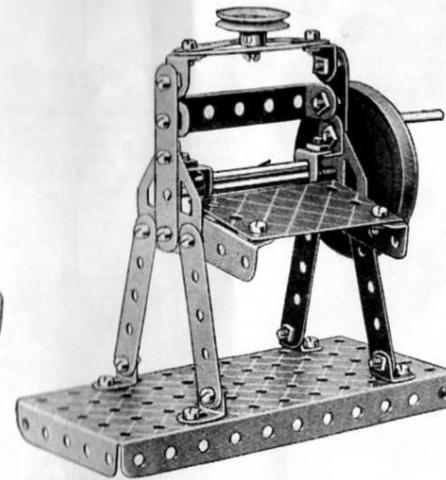
A44. Gas Stove



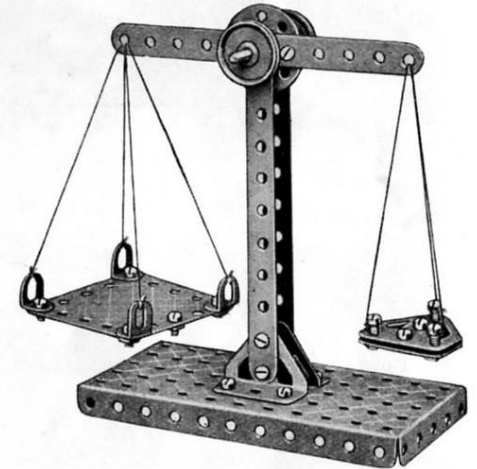
A47. Centrifugal Engine Governor



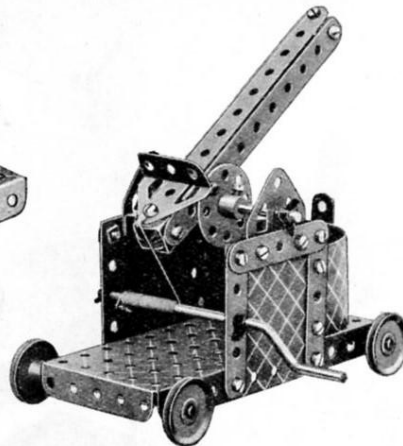
A49. Wringing Machine



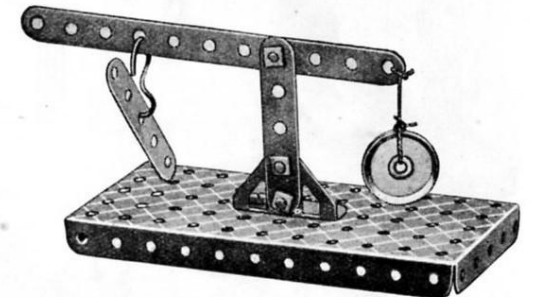
A51. Scales



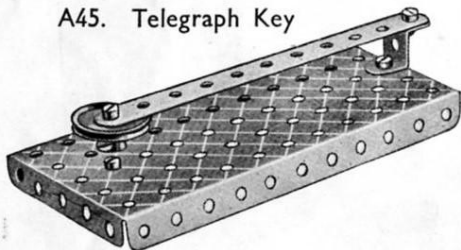
A48. Anti-aircraft Gun



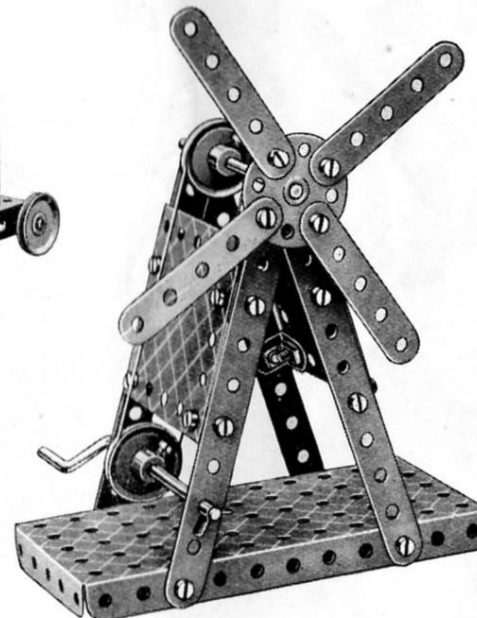
A52. Lever of the First Order



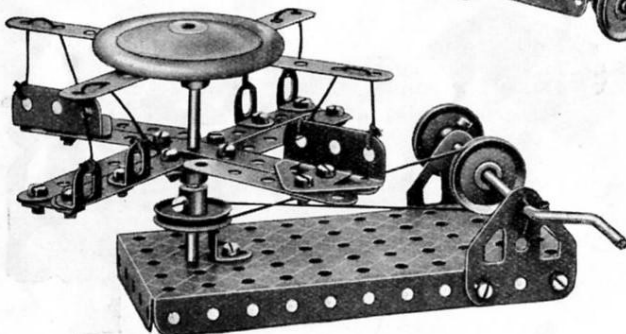
A45. Telegraph Key



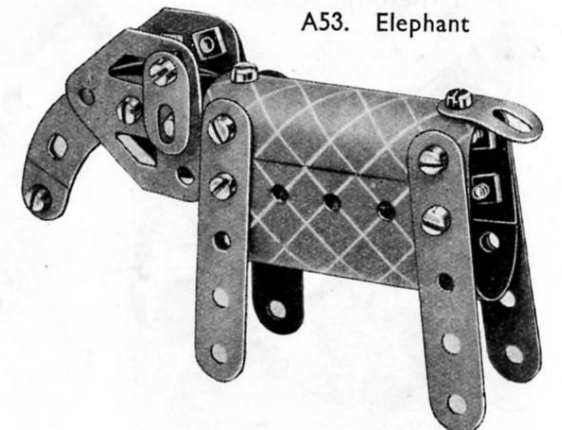
A50. Windmill



A46. Roundabout



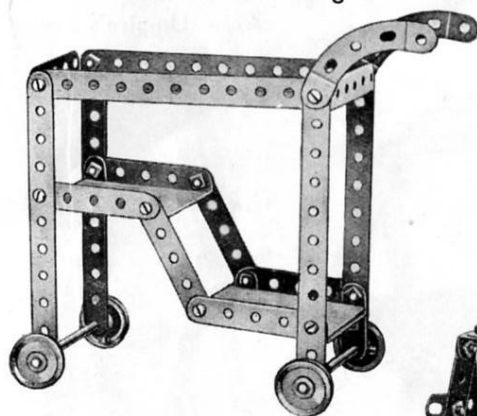
A53. Elephant



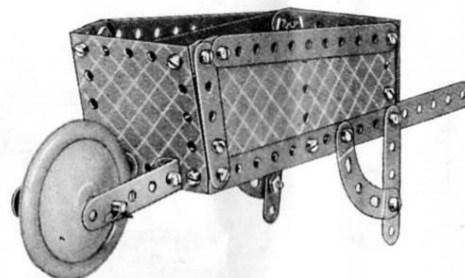
These Models can be built with **MECCANO** Outfit A

5

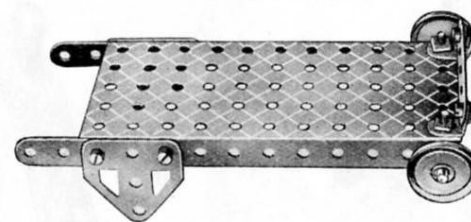
A54. Dinner Wagon



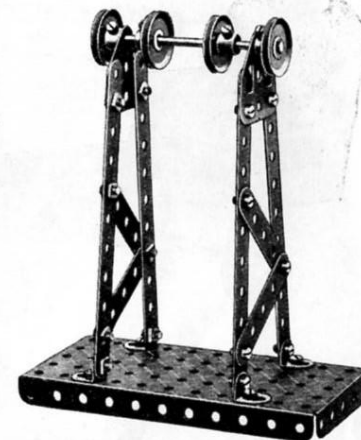
A56. Wheel Barrow



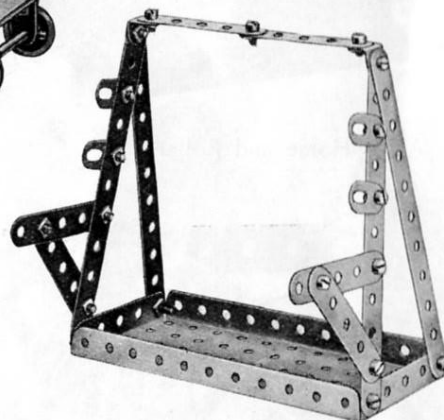
A62. Flat Truck



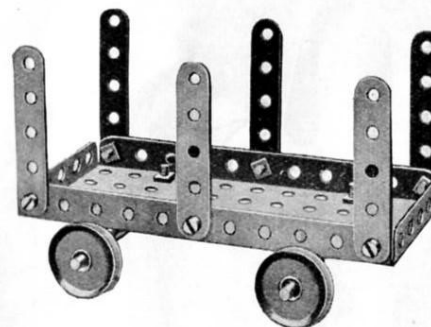
A64. Shafting Standard



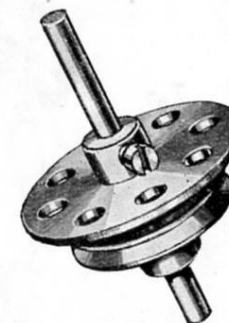
A57. Pen Rack



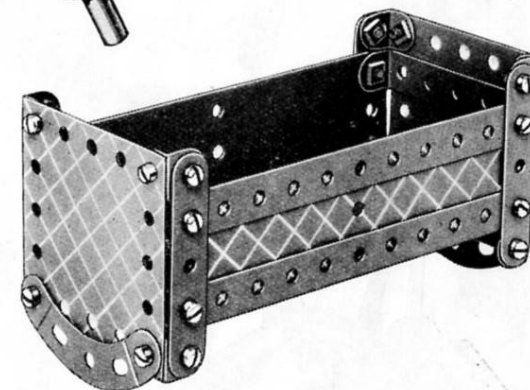
A60. Timber Truck



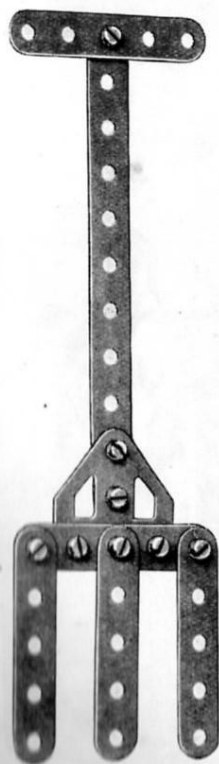
A63. Top



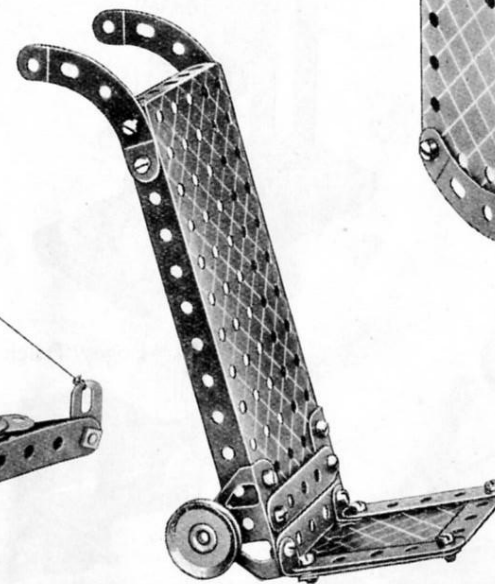
A65. Cot



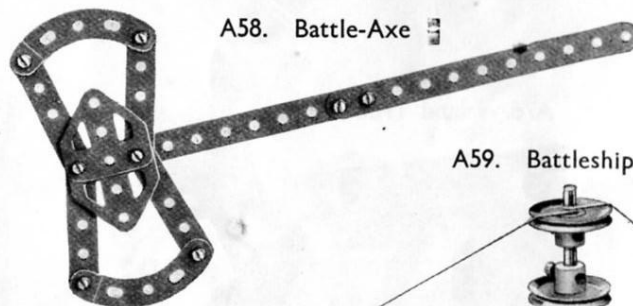
A55. Fork



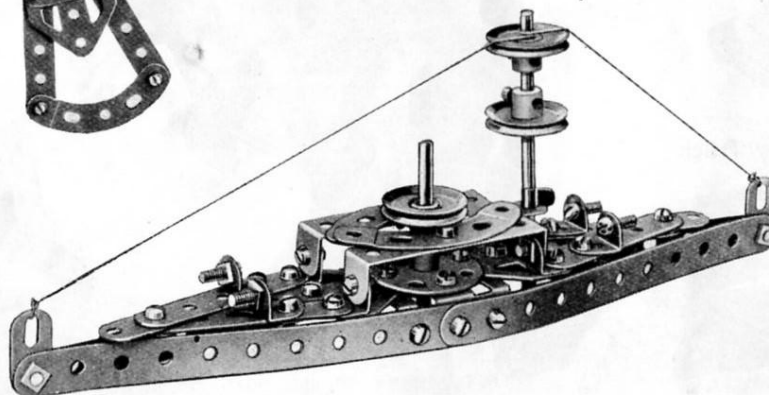
A61. Porter's Trolley



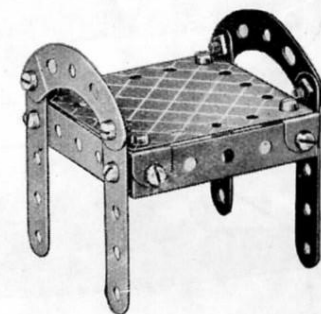
A58. Battle-Axe

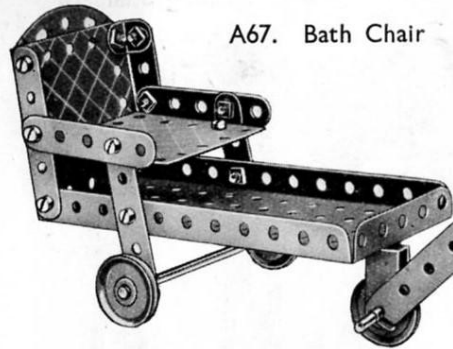


A59. Battleship

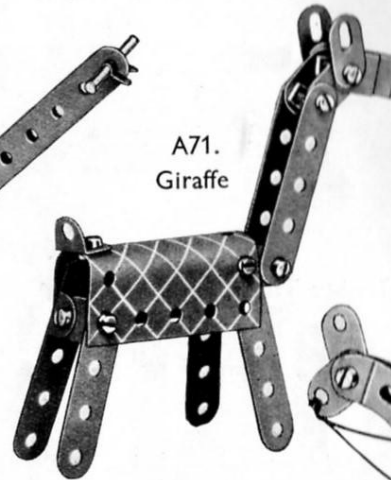
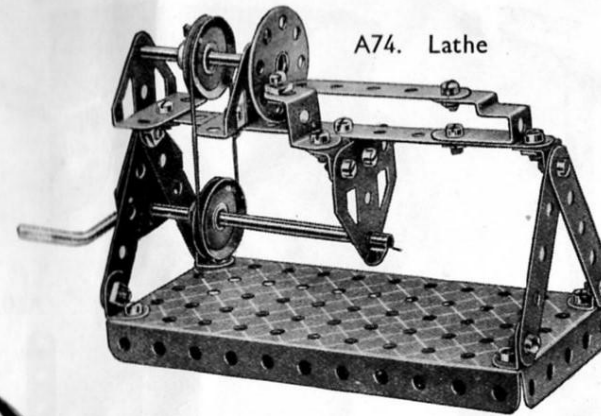


A66. Music Stool

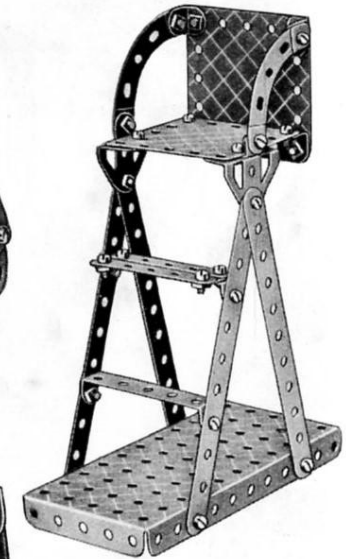




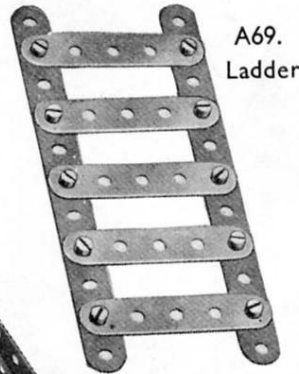
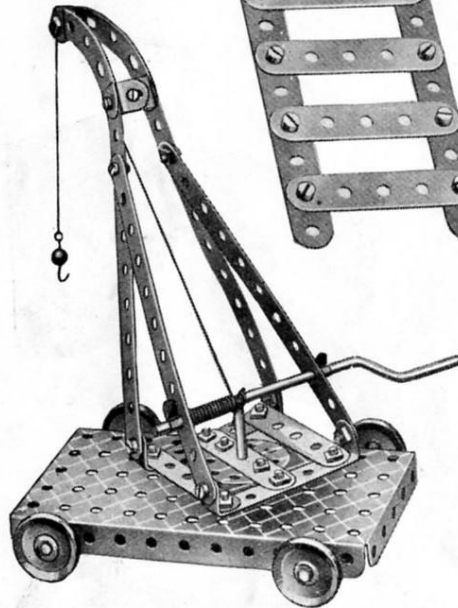
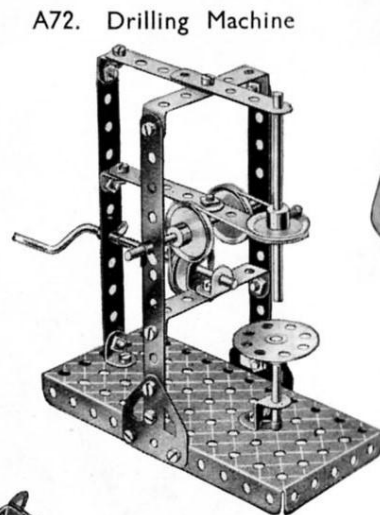
A67. Bath Chair

A71.
Giraffe

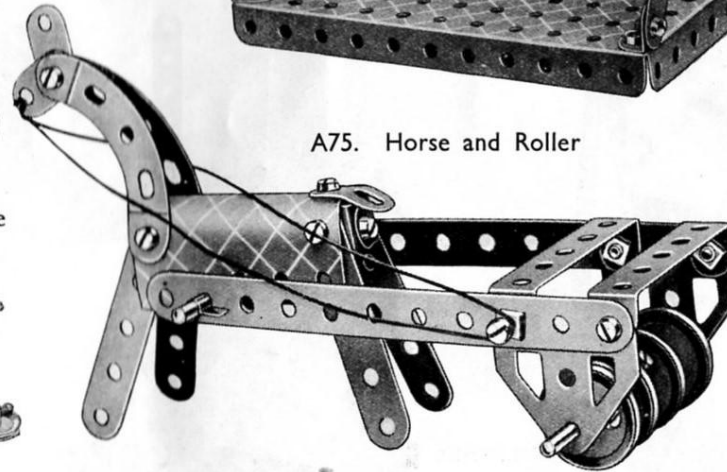
A74. Lathe



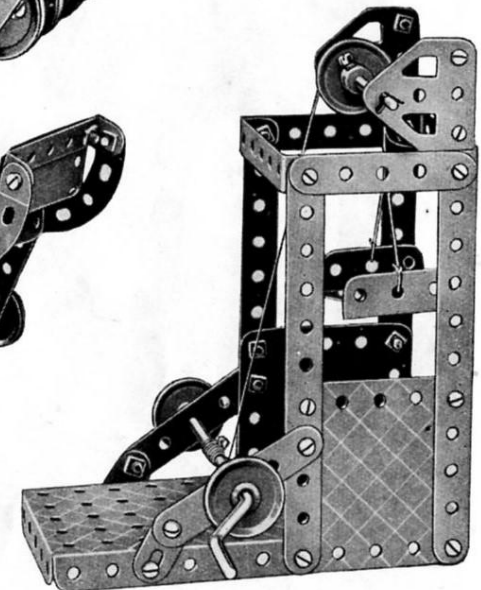
A77. Umpire's Seat

A68.
Breakdown
CraneA69.
Ladder

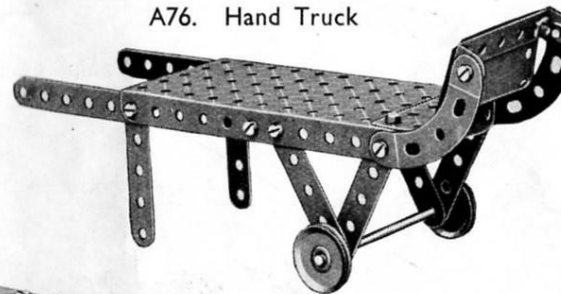
A72. Drilling Machine



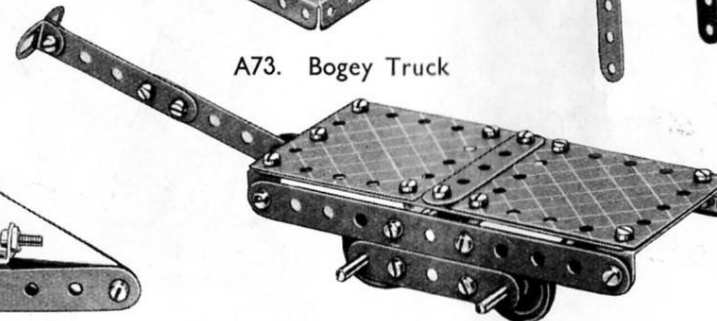
A75. Horse and Roller

A78.
Pit-head Gear

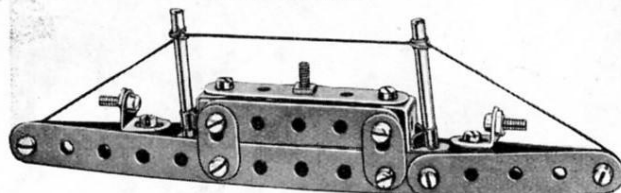
A76. Hand Truck



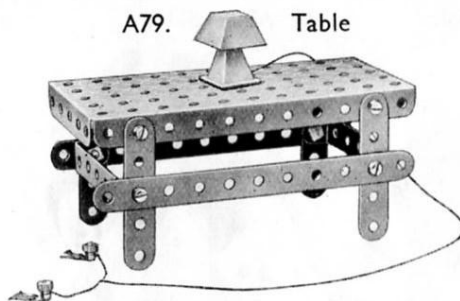
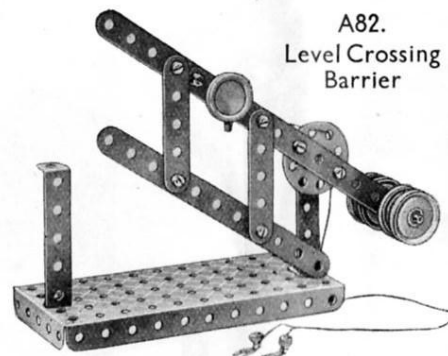
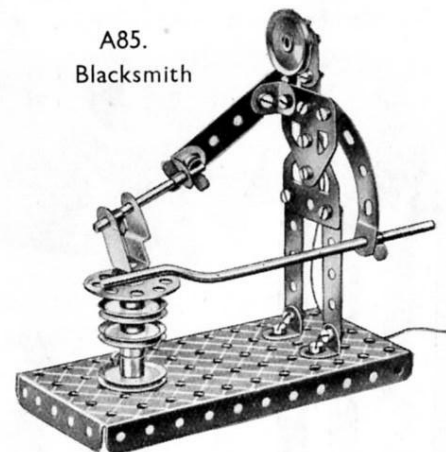
A73. Bogey Truck



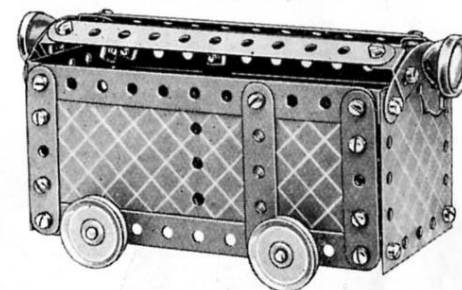
A70. Cruiser



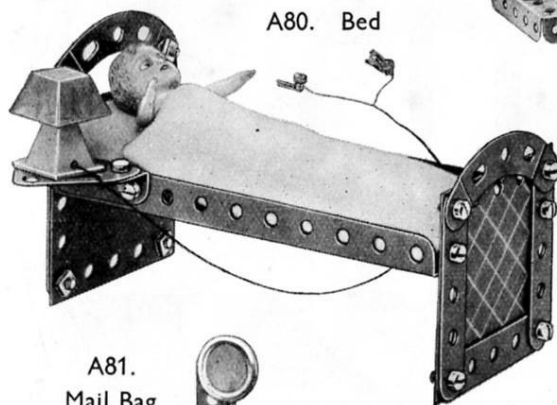
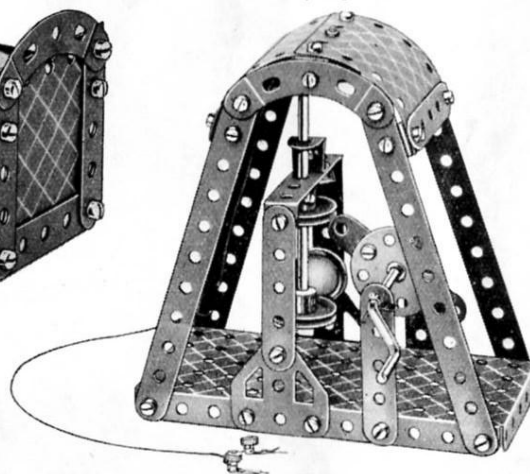
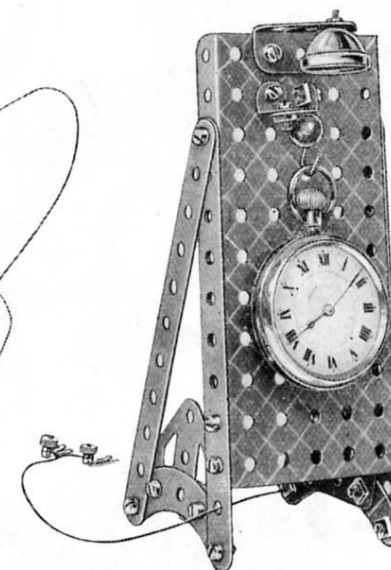
A79. Table

A82.
Level Crossing
BarrierA85.
Blacksmith

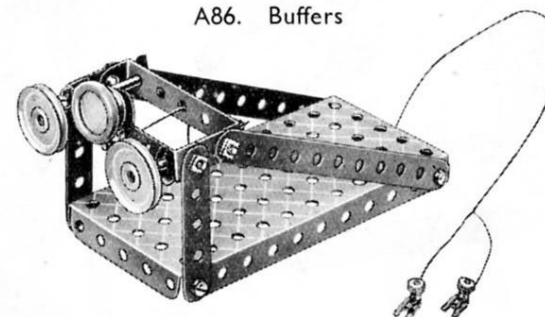
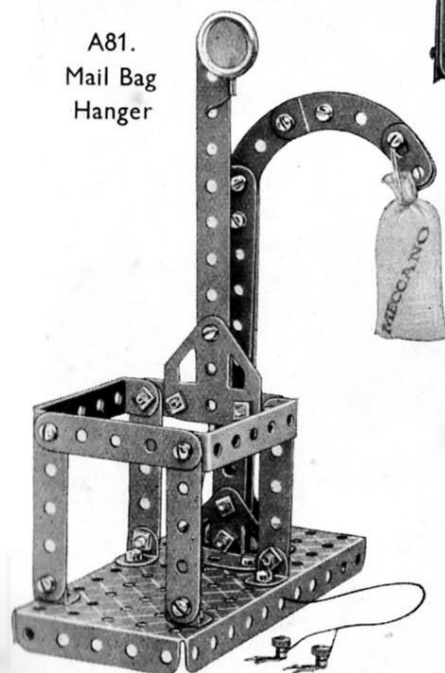
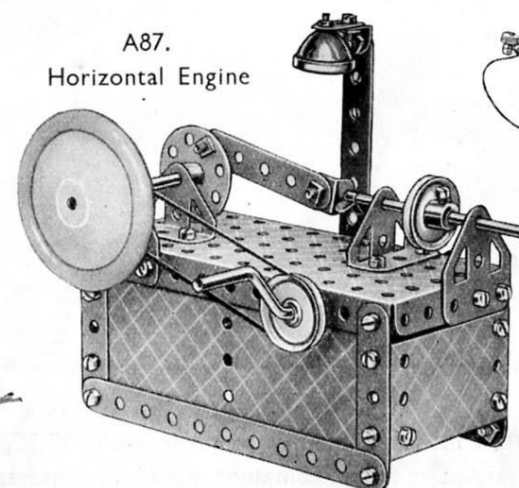
A88. Pullman Car



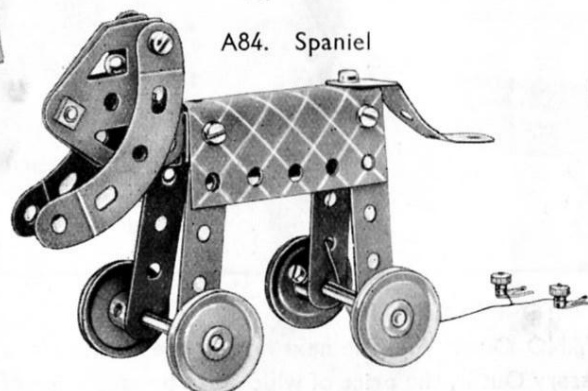
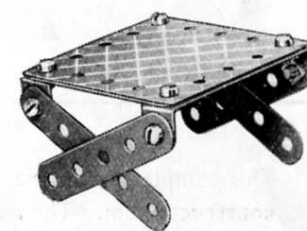
A80. Bed

A83.
Stamping MillA89.
Watch Stand

A86. Buffers

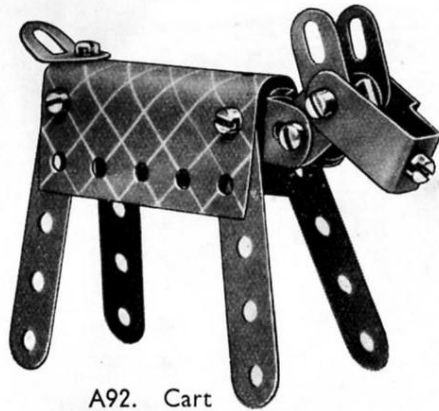
A81.
Mail Bag
HangerA87.
Horizontal Engine

A84. Spaniel

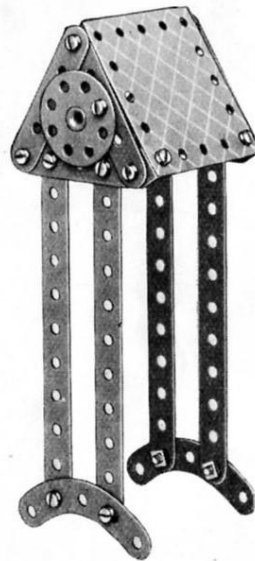
A90.
Coffee Table

This page shows examples of the use of the Meccano Lighting Set, described on page 2 of cover

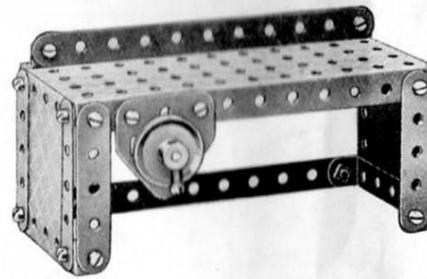
A91. Calf



A94. Grandfather Clock



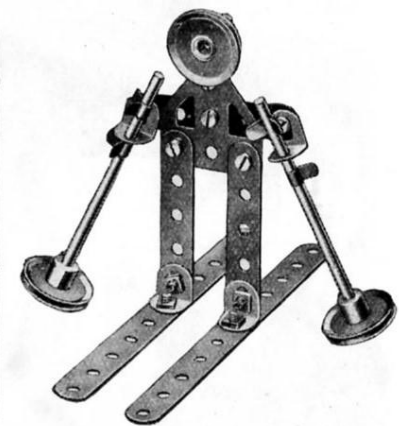
A95. Joiner's Bench



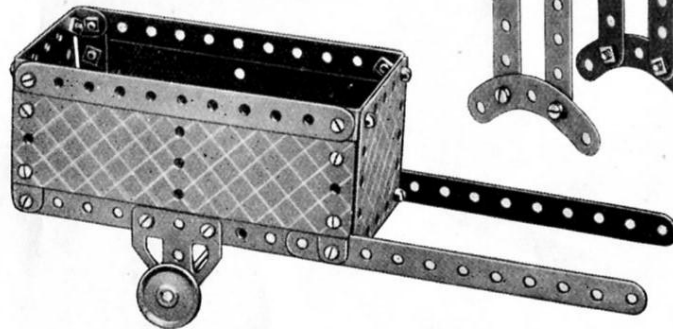
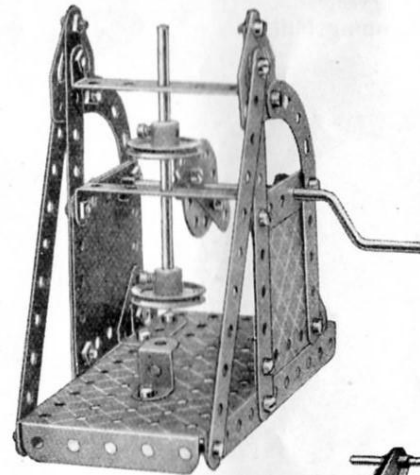
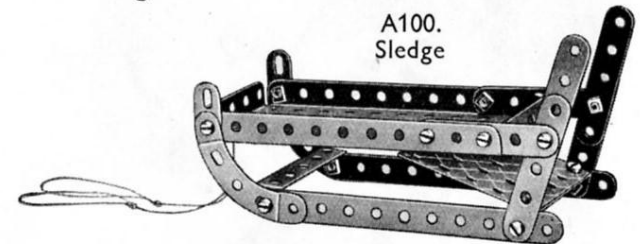
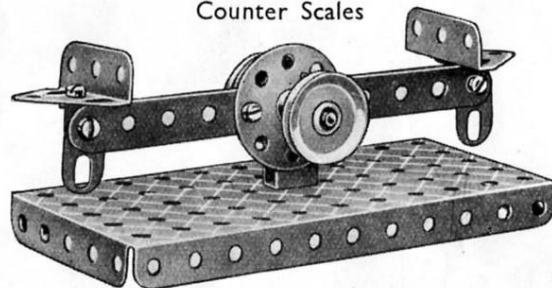
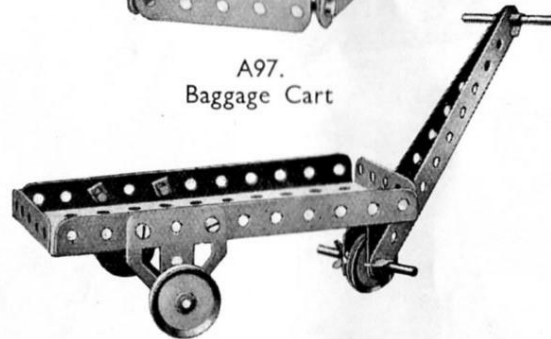
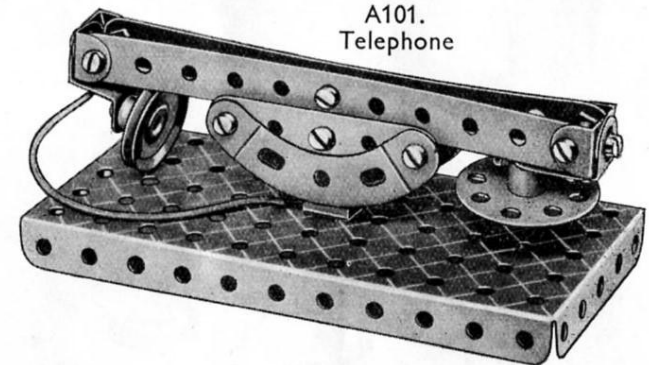
A98. Chair



A99. Skier



A92. Cart

A96.
Ore CrusherA100.
SledgeA93.
Counter ScalesA97.
Baggage CartA101.
Telephone

HOW TO CONTINUE

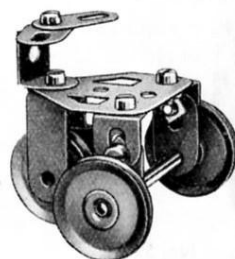
This completes our examples of models that may be made with MECCANO Outfit A. The next models are a little more advanced, requiring extra parts to construct them. The necessary parts are all contained in a No. Aa Accessory Outfit, the price of which may be ascertained from any Meccano dealer.

B1. Man and Boy



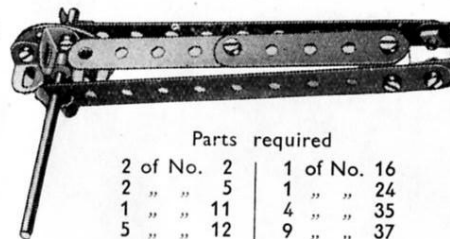
Parts required	
4 of No. 2	
2 " " 5	
5 " " 10	
1 " " 11	
8 " " 12	
1 " " 22	
1 " " 24	
25 " " 34	
1 " " 52	
1 " " 54a	
1 " " 90a	
2 " " 111c	
2 " " 125	
1 " " 126a	

B4. Tricycle



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

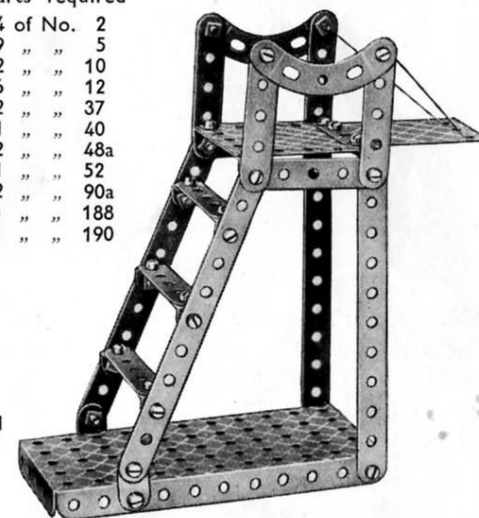
B7. Rattle



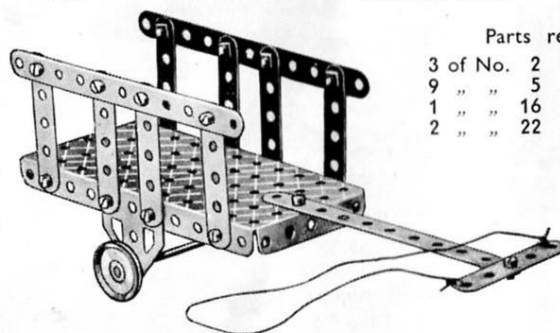
Parts required	
2 of No. 2	1 of No. 16
2 " " 5	1 " " 24
1 " " 11	4 " " 35
5 " " 12	9 " " 37

B9. High Diving Board

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	

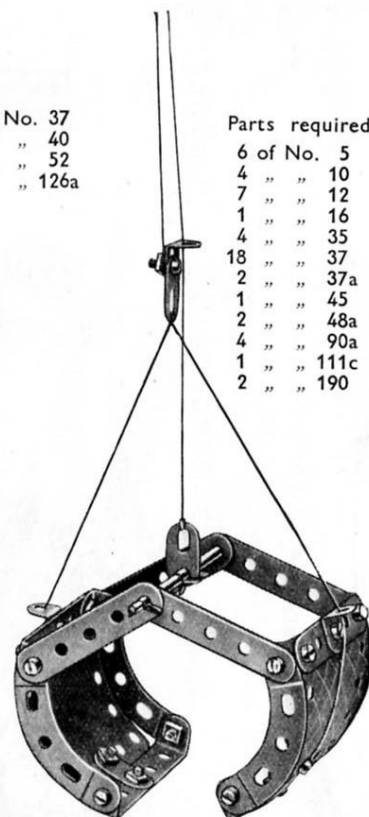


B5. Bullock Cart



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	

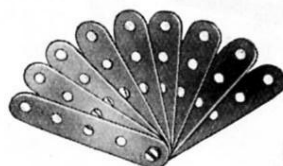
B10. Drafting Table

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	

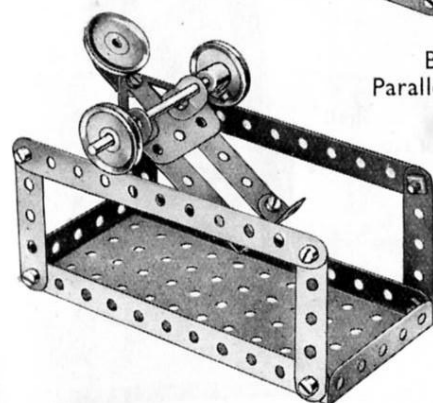


B6. Walking Man



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

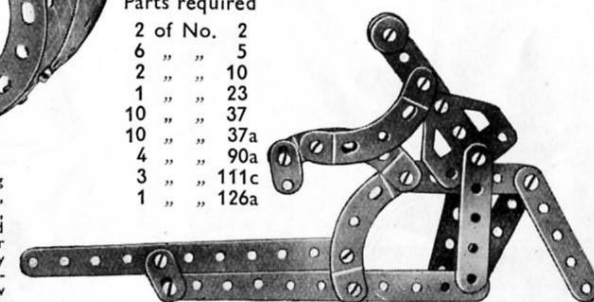
B3. Parallel Bars



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 $\frac{3}{8}$ " Bolts used for connecting the $\frac{5}{8}$ " in. Strips, the horses' legs, and the rider's legs and arms, are all locknutted (see Standard Mechanism No. 262). The lower $\frac{5}{8}$ " in. Strip should be held rigidly and the upper one jerked forward; the horse will then throw its rider completely over its head.

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

B12. Catapult

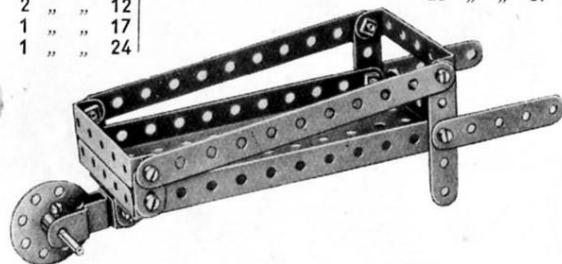


Parts required
4 of No. 37
4 " " 90a
A short length
of elastic

B13. Coster's Barrow

Parts required

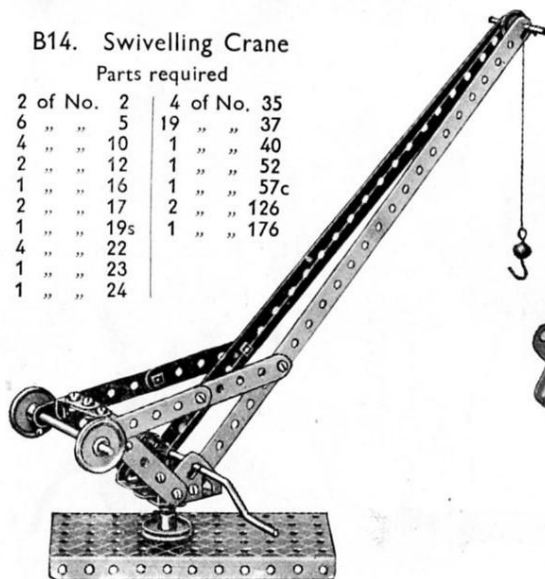
2 of No. 2	13 of No. 37
4 " " 5	1 " " 45
2 " " 10	2 " " 48a
1 " " 11	1 " " 52
2 " " 12	
1 " " 17	
1 " " 24	



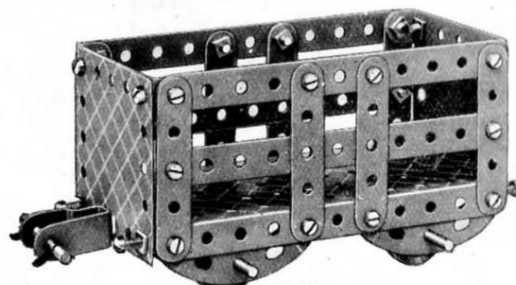
B14. Swivelling Crane

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	



B15. Cattle Truck



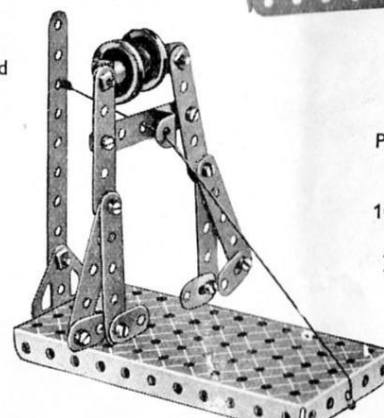
Parts required

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

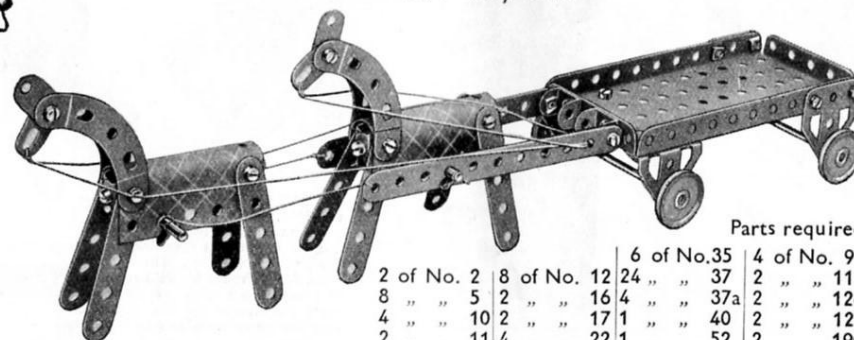
B16. Wrestlers

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	



B17. Hay Cart



Parts required

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

B18. Single Sheave Pulley Block

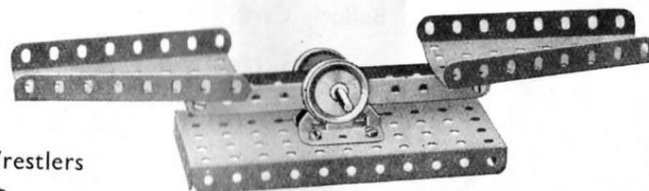


Parts required
1 of No. 23
11 " " 37a
1 " " 57c
4 " " 111c
2 " " 126a

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



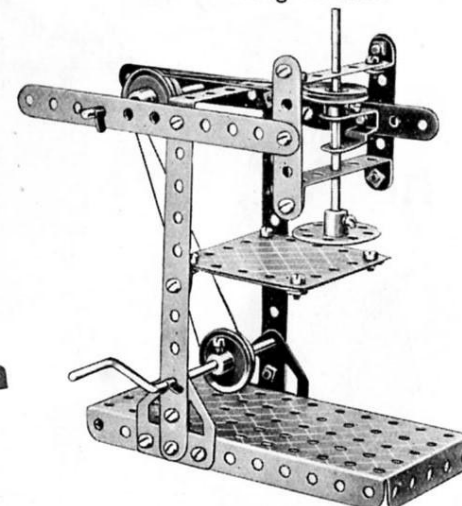
B20. Card Table

Parts required

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



B21. Drilling Machine



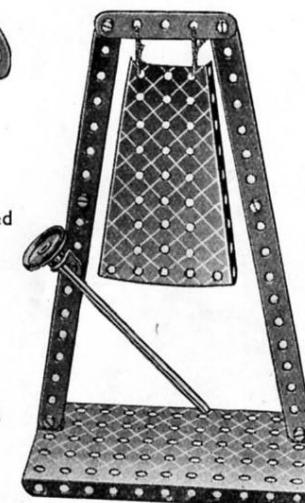
Parts required

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

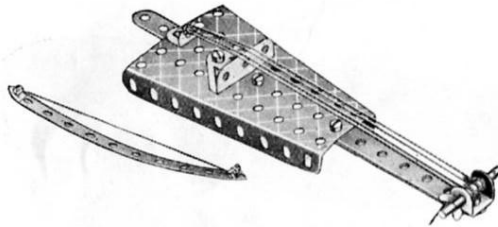
B22. Gong

Parts required

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



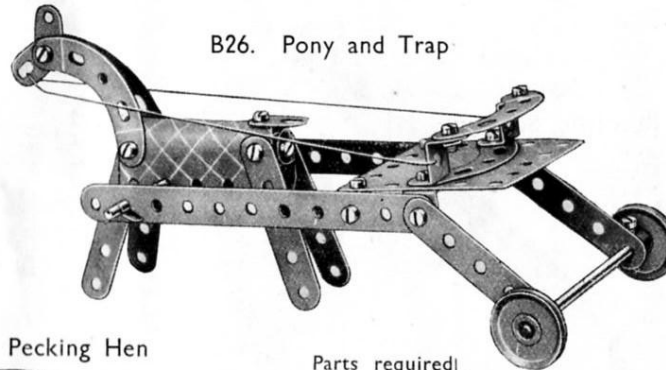
B23. Violin and Bow



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



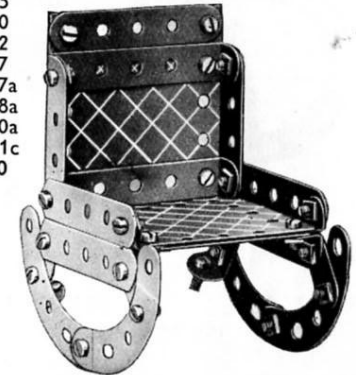
Parts required

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

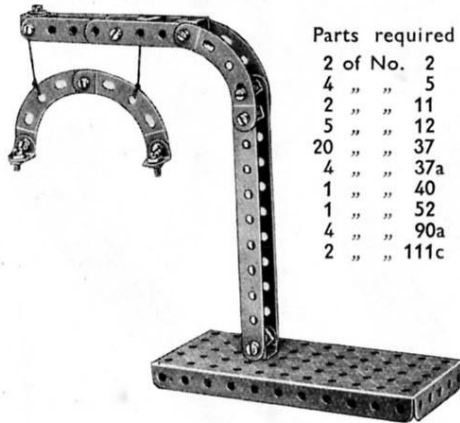
Parts required

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

B30. Rocking Chair



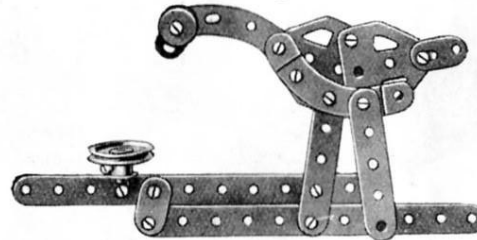
B24. Loading Gauge



Parts required

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

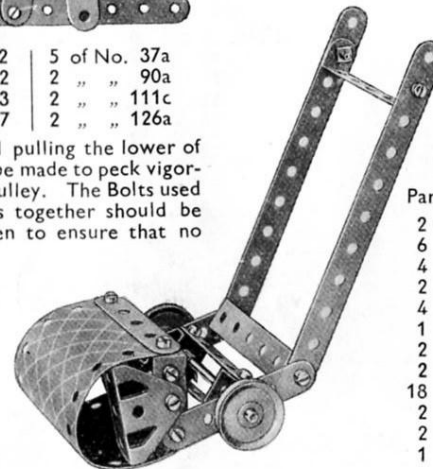
B27. Pecking Hen



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 5½ in. Strips, the hen can be made to peck vigorously at the "bowl," a 1 in. Pulley. The Bolts used for securing the 5½ in. Strips together should be lock-nutted, care being taken to ensure that no "side play" is permitted.

B28. Grass Cutter



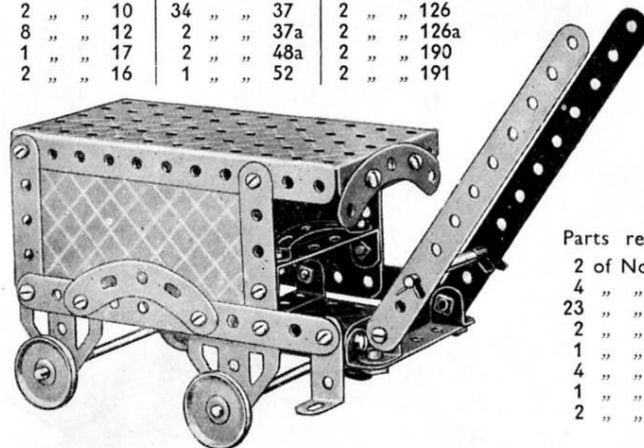
Parts required

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

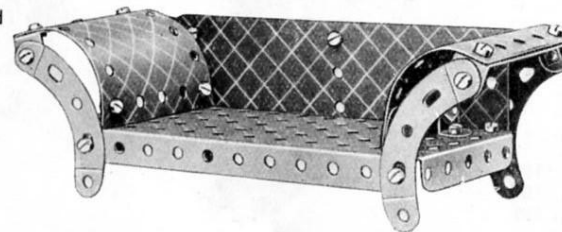
B25. Bread Van

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



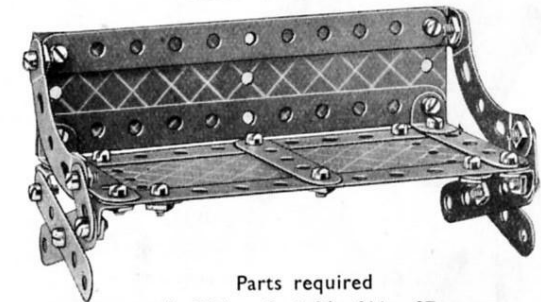
B29. Couch



Parts required

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

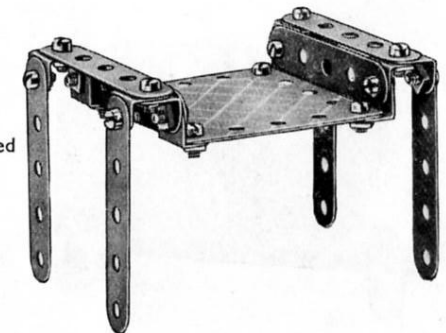
B31. Station Seat



Parts required

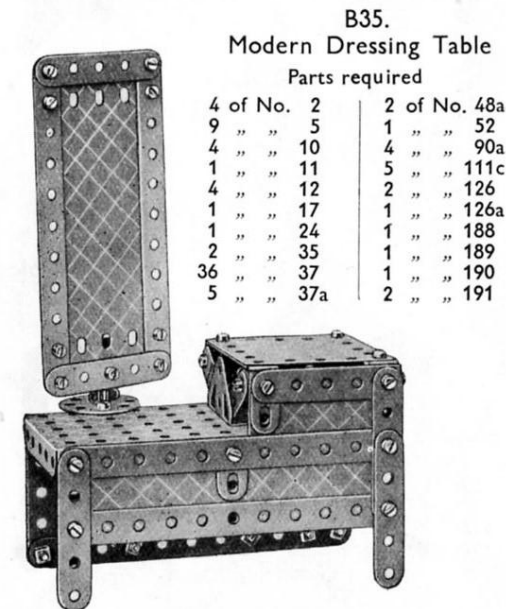
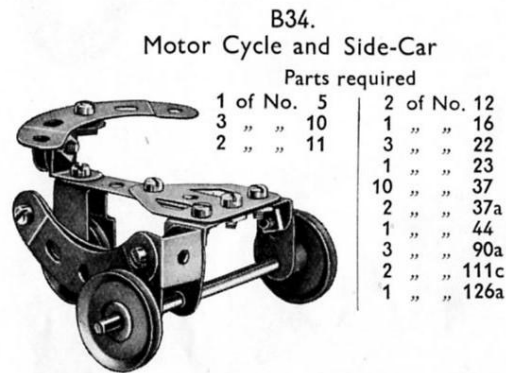
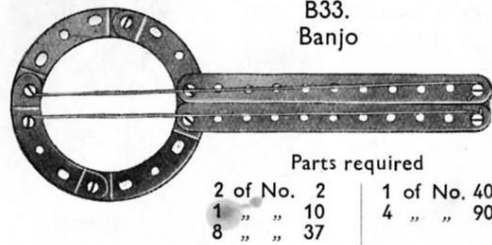
4 of No. 2	24 of No. 37
9 " " 5	2 " " 90a
2 " " 10	1 " " 189
8 " " 12	1 " " 191

B32. Stool for Dressing Table

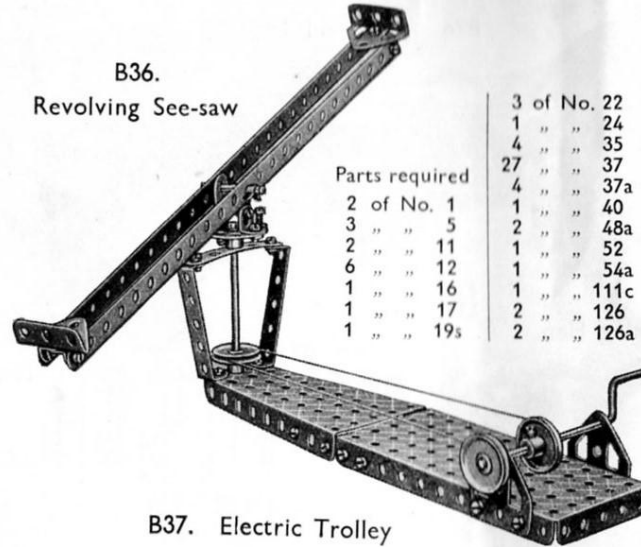


Parts required

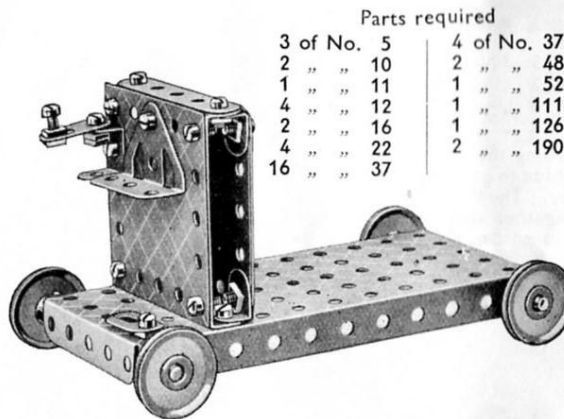
9 of No. 5
8 " " 12
16 " " 37
2 " " 125
1 " " 190



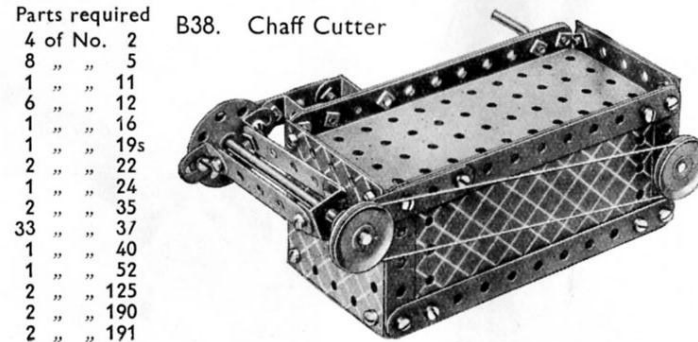
B36. Revolving See-saw



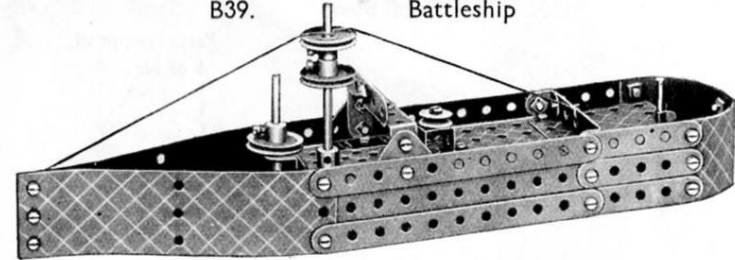
B37. Electric Trolley



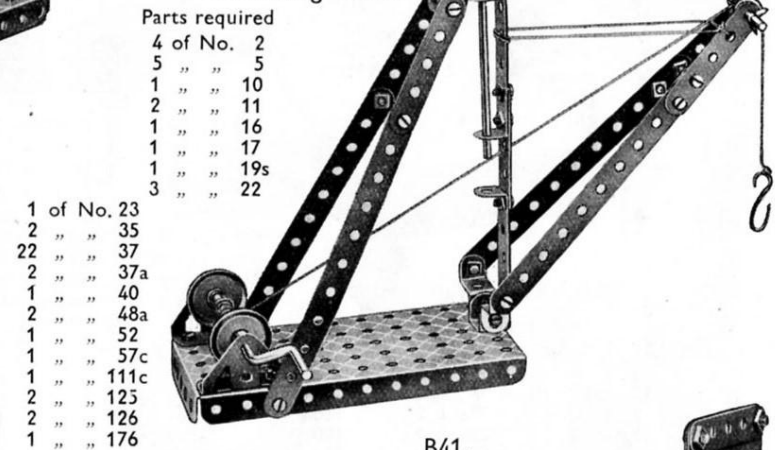
B38. Chaff Cutter



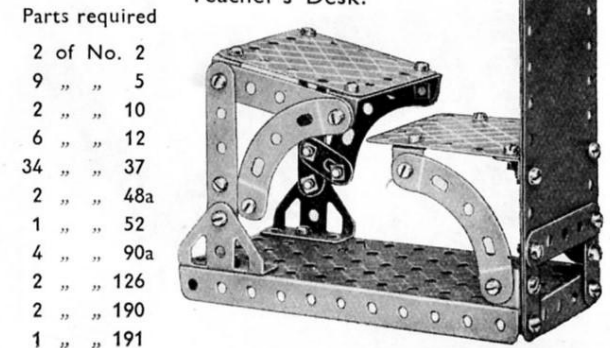
B39. Battleship



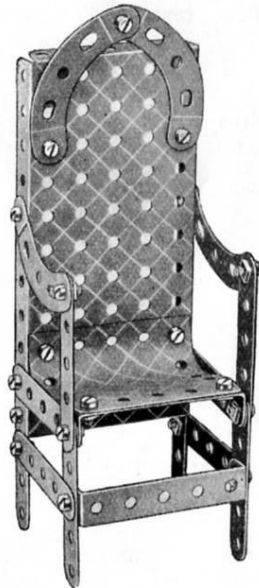
B40. Derricking Crane



B41. Teacher's Desk



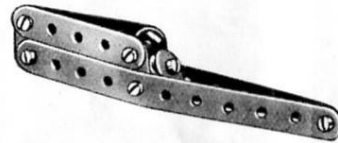
B42. Arm Chair



Parts required

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

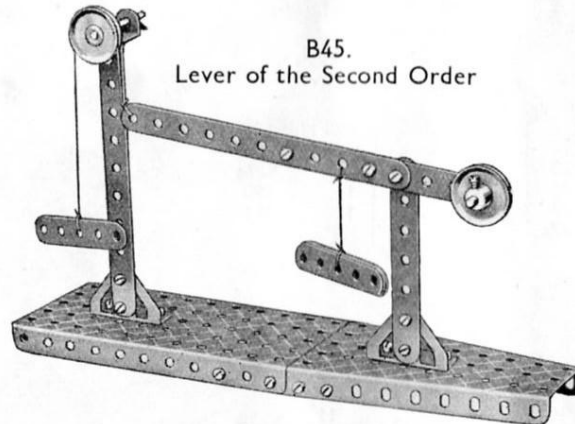
B44. Motor Boat



Parts required

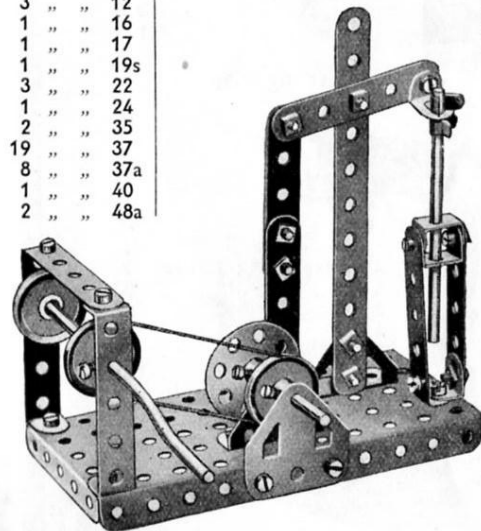
2 of No. 2	1 of No. 23
2 " 5	7 " 37
3 " 10	1 " 37a
1 " 11	1 " 111c

B45.
Lever of the Second Order



B43. Pump

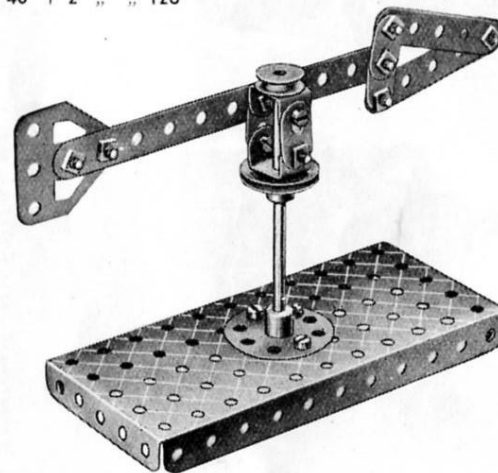
Parts required	1 of No. 52
1 of No. 2	4 " " 111c
6 " " 5	2 " " 126
2 " " 11	1 " " 126a



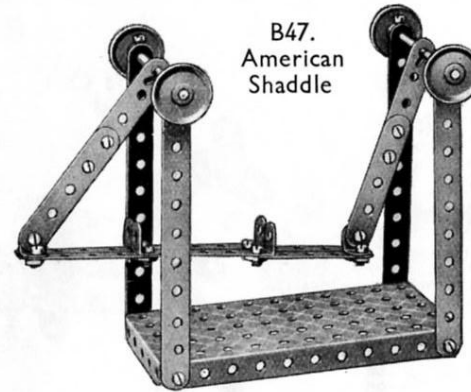
B46.
Weather
Vane

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

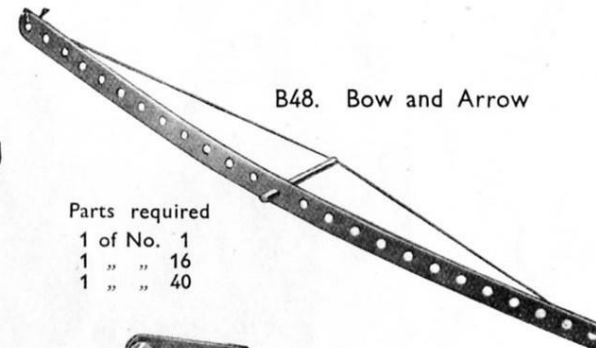


B47.
American
Shaddle



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

B48. Bow and Arrow

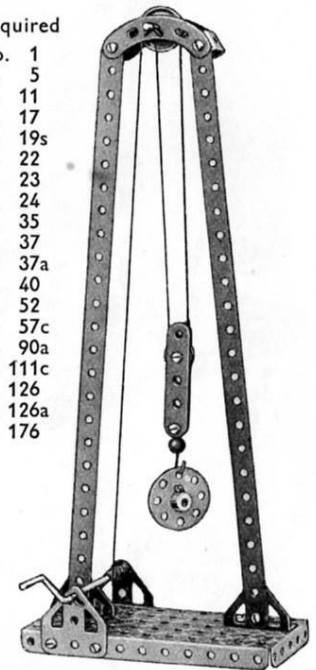


Parts required			
1	of	No.	1
1	"	"	16
1	"	"	40

B49. Pulley Block

Parts required

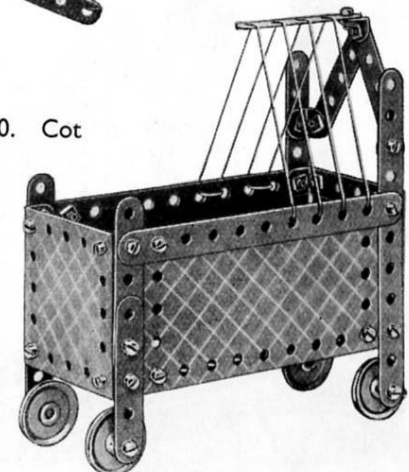
2	of No.	1
2	??	5
2	??	11
1	??	17
1	??	19s
1	??	22
1	??	23
1	??	24
4	??	35
14	??	37
2	??	37a
1	??	40
1	??	52
1	??	57c
2	??	111c
2	??	126
2	??	126a
1	??	176



B50. Cot

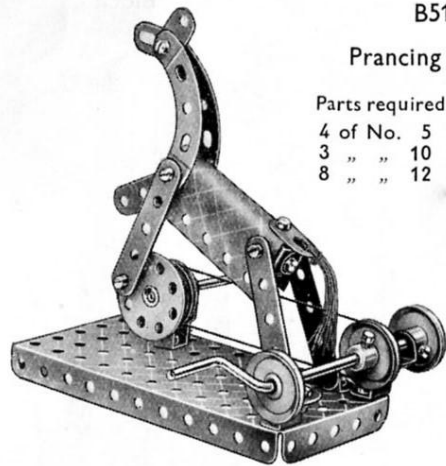
Parts required

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.

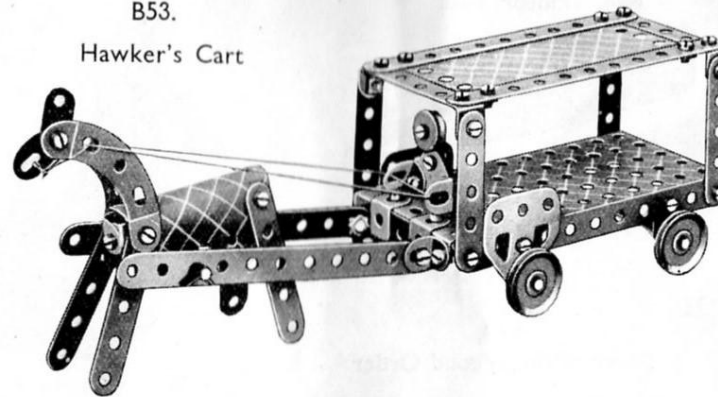
Prancing Horse



Parts required	1 of No. 17
4 of No. 5	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		

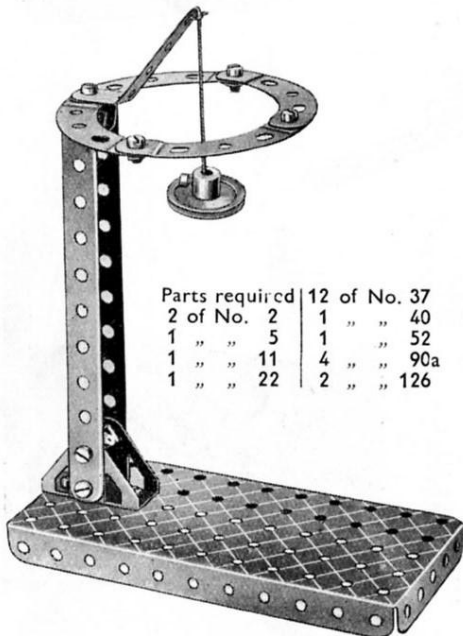
B56. Shepherd's Crook

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



B52.

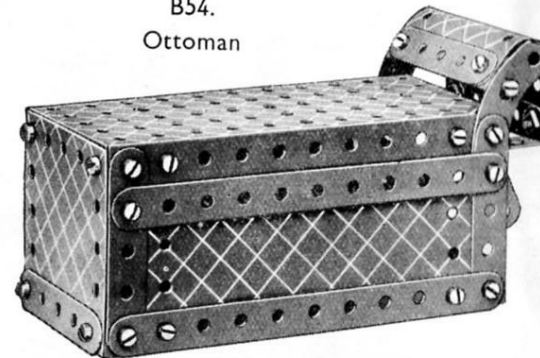
Punching Bag Stand



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

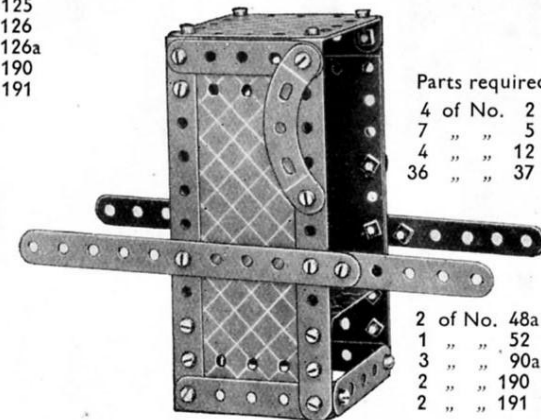
B54.

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

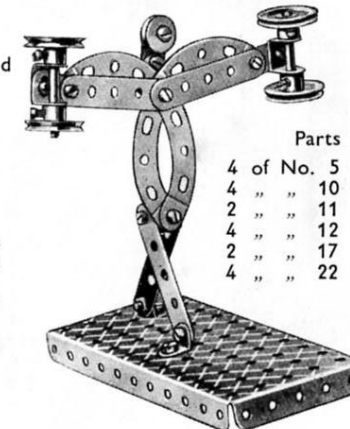
B57. Sedan Chair



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

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

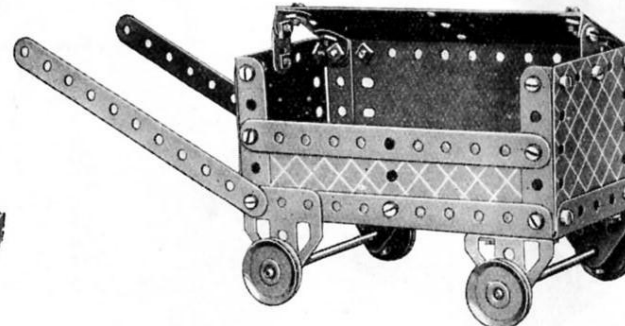
B58. Strong Man



Parts required
4 of No. 5
4 " " 10
2 " " 11
4 " " 12
2 " " 17
4 " " 22

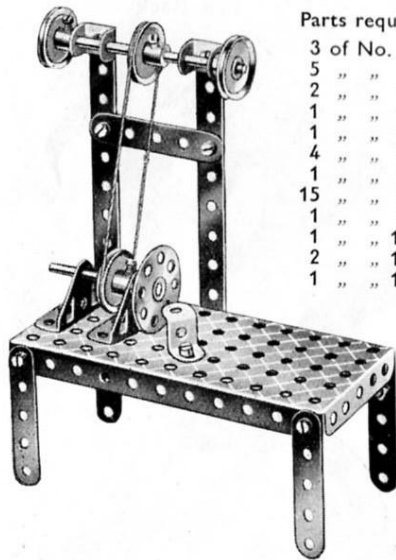
1 of No. 23
12 " " 37
2 " " 37a
1 " " 52
4 " " 90a
2 " " 111c

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

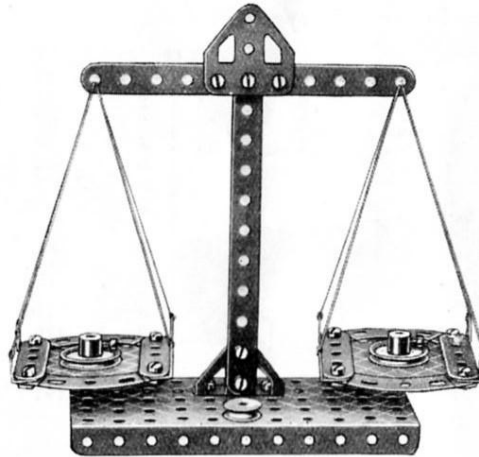
B59. Bench Lathe



Parts required

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

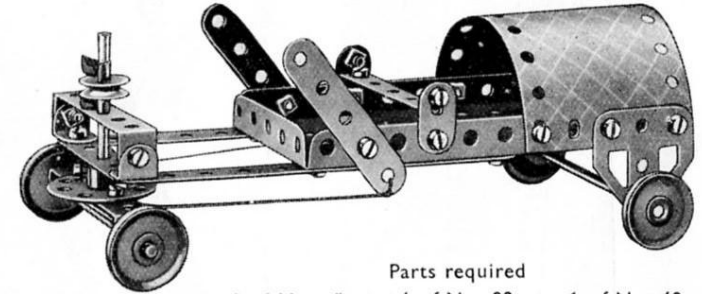
B62. Counter Scales



Parts required

2 of No. 2	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

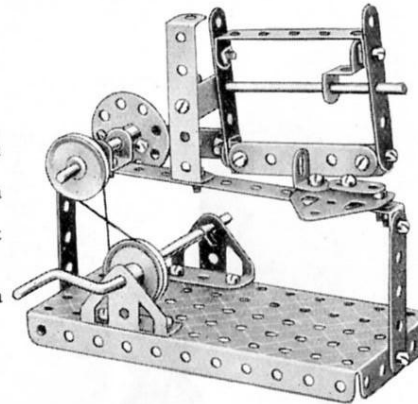
B65. Coaster



Parts required

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

B63. Power Hack Saw



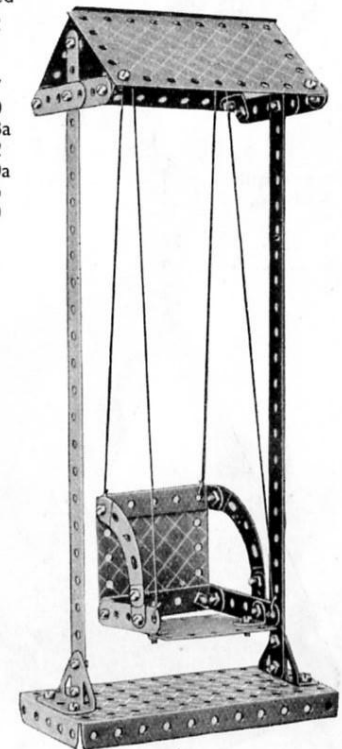
Parts required

1 of No. 2	18 of No. 37
6 " " "	12 " " "
1 " " "	1 " " "
1 " " "	2 " " "
1 " " "	1 " " "
6 " " "	5 " " "
1 " " "	2 " " "
1 " " "	2 " " "
1 " " "	2 " " "
2 " " "	1 " " "
1 " " "	1 " " "
3 " " "	35
	37a
	45
	48a
	52
	111c
	125
	126
	126a
	186

B66. Swing

Parts required

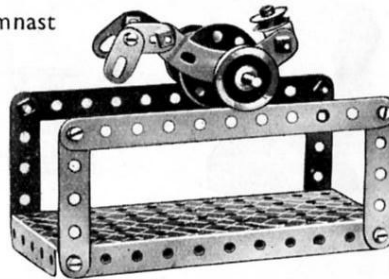
4 of No. 2	2
8 " " "	5
8 " " "	12
33 " " "	37
1 " " "	40
2 " " "	48a
1 " " "	52
2 " " "	90a
2 " " "	126
2 " " "	190
2 " " "	191



B60. Gymnast

Parts required

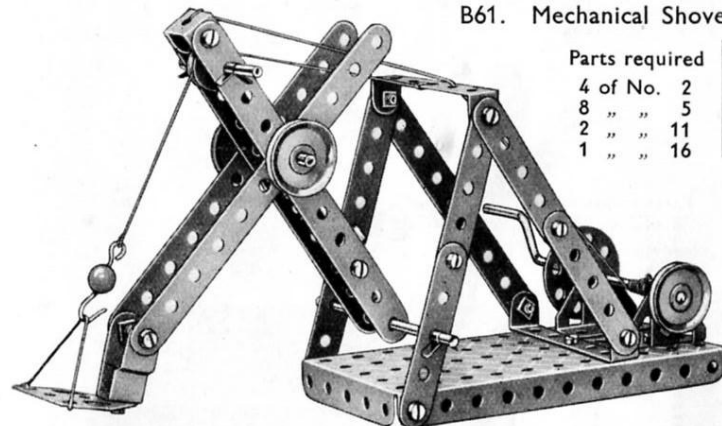
2 of No. 2	1 of No. 24
4 " " "	13 " " "
4 " " "	1 " " "
1 " " "	1 " " "
1 " " "	1 " " "
2 " " "	1 " " "
1 " " "	1 " " "
	37
	37a
	52
	90a
	111c



B61. Mechanical Shovel

Parts required

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



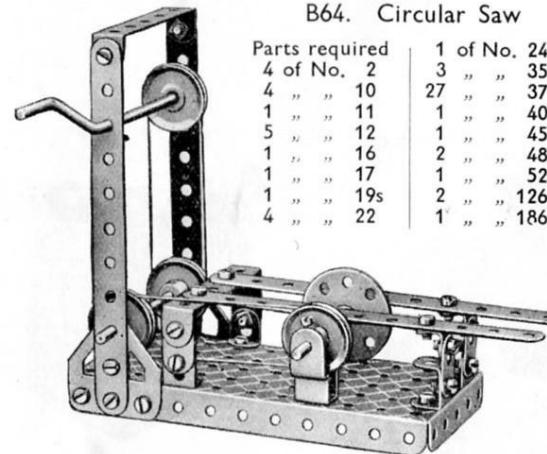
2 of No. 17	19s
1 " " "	22
3 " " "	23
1 " " "	24
1 " " "	35
5 " " "	37
20 " " "	40
1 " " "	45
1 " " "	48a
2 " " "	52
1 " " "	57c
2 " " "	126
1 " " "	126a
1 " " "	176

B64. Circular Saw

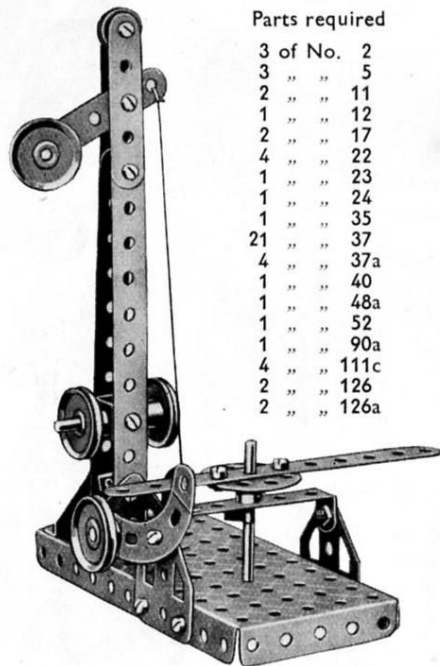
Parts required

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

1 of No. 24	35
3 " " "	37
27 " " "	40
1 " " "	45
1 " " "	48a
2 " " "	52
1 " " "	90a
2 " " "	126a
1 " " "	186



B67. Automatic Signals

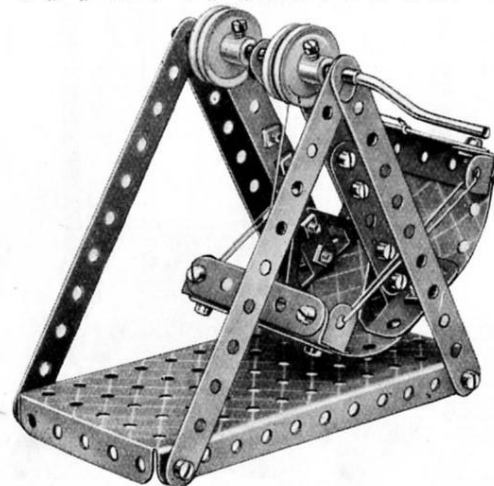


Parts required

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

B68. Swinging Boat

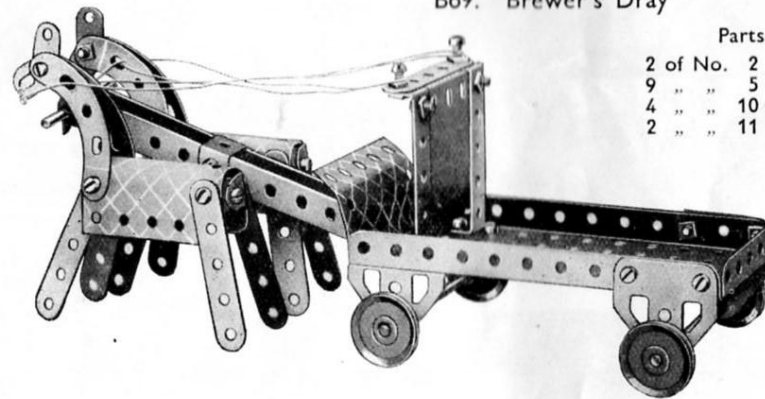
Parts required	1 of No. 19s	1 of No. 40
4 of No. 2	4 "	2 "
8 "	5 "	1 "
1 "	10 "	2 "
4 "	12 "	1 "
	22 "	37 "
	4 "	37a "
		48a "
		52 "
		126 "
		191 "



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

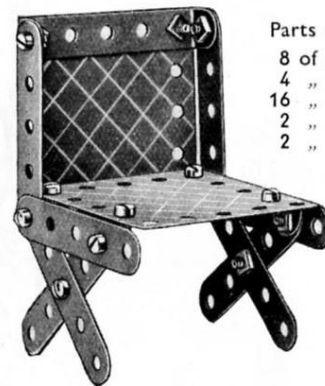
B69. Brewer's Dray



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

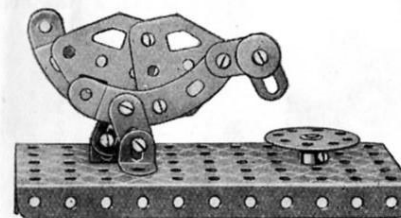
B70. Chair



Parts required

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

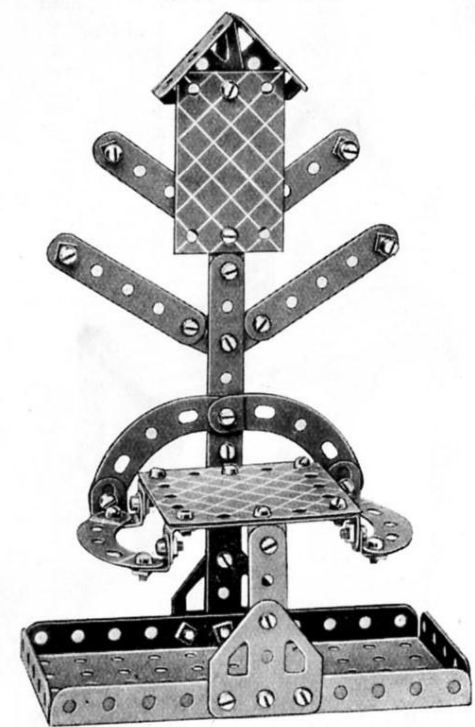
B71. Goose



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

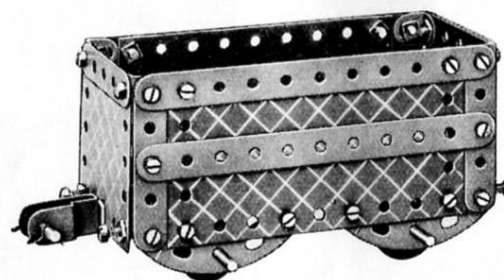
B73. Hat Rack



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		

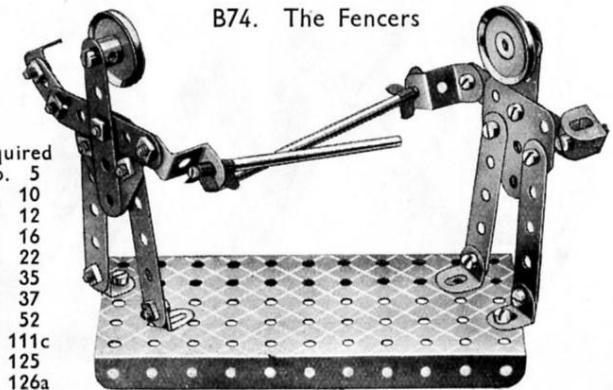
B72. Cattle Truck



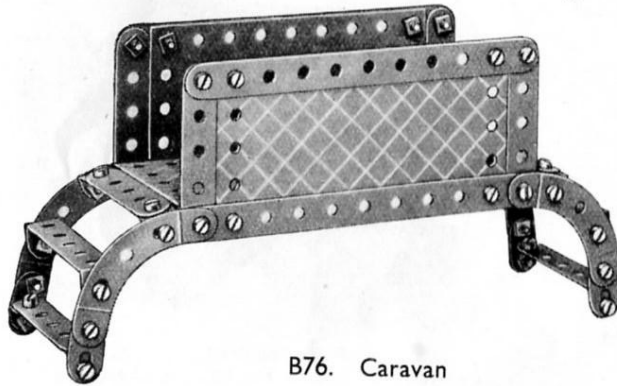
Parts required

8 of No.	5
2 "	10
6 "	12
2 "	16
2 "	22
4 "	35
18 "	37
1 "	52
2 "	111c
2 "	125
2 "	126a

B74. The Fencers



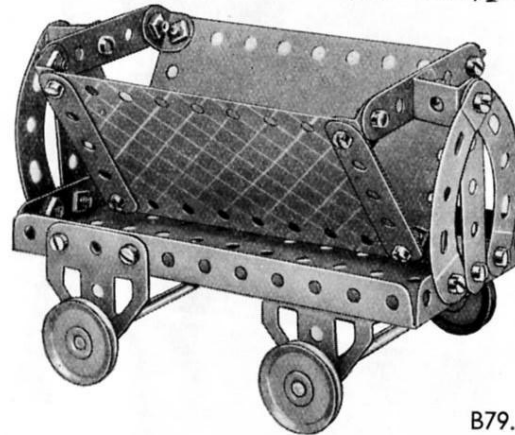
B75. Footbridge



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

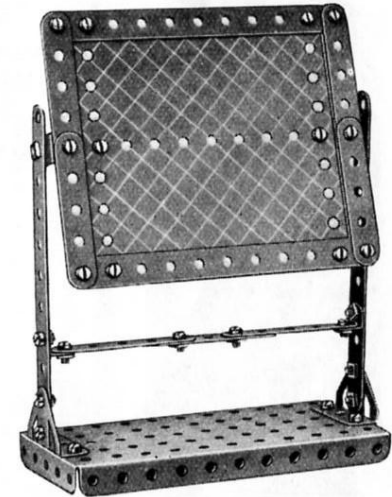
B78. Dump Car



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

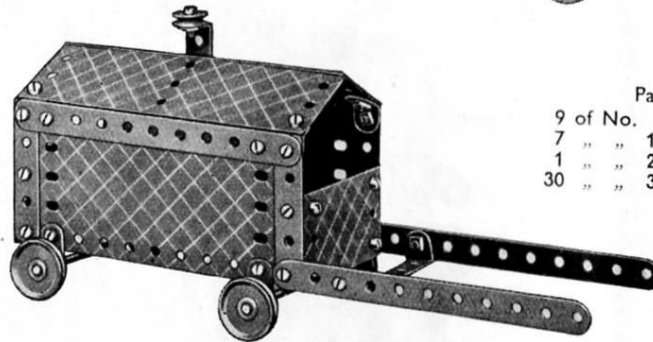


Parts required

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

B76. Caravan

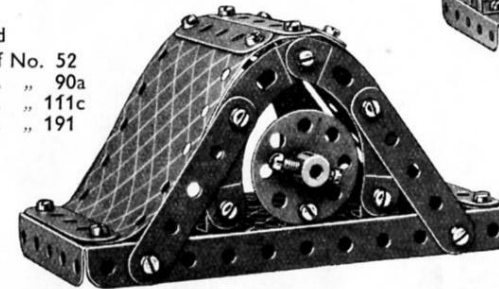
Parts required			
4 of No.	2	5 of No.	37a
4 "	5	1 "	48a
4 "	10	1 "	52
8 "	12	1 "	111c
2 "	16	1 "	125
4 "	22	2 "	188
1 "	23	2 "	189
35 "	37	2 "	191



Parts required

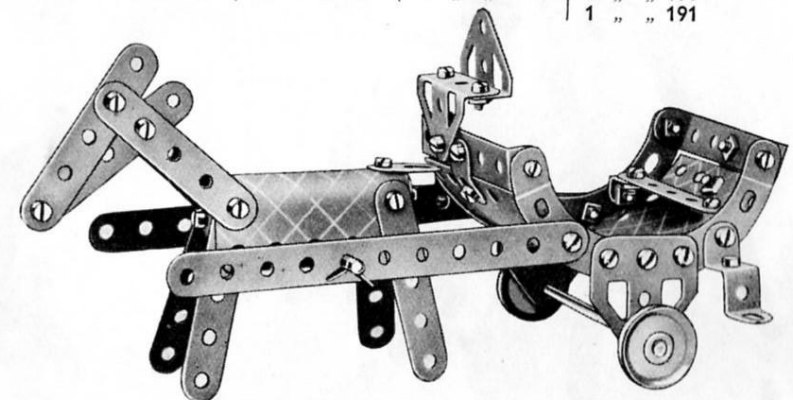
9 of No.	5	1 of No.	52
7 "	12	4 "	90a
1 "	24	2 "	111c
30 "	37	2 "	191

B79. Clock



B82. Two-wheeled Trap

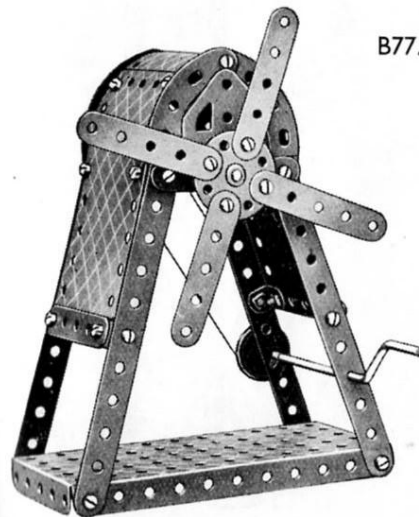
Parts required			
2 of No.	2	2 of No.	16
9 "	5	2 "	22
3 "	10	4 "	35
8 "	12	35 "	37
		1 of No.	37a
		2 "	48a
		4 "	90a
		1 "	111c
		2 of No.	125
		2 "	126
		2 "	126a
		1 "	190
		1 "	191



B77. Windmill

Parts required

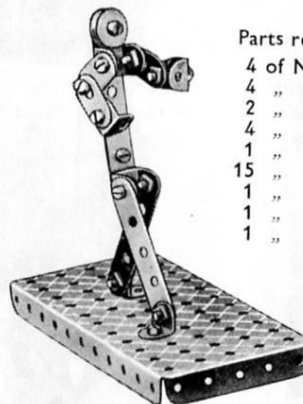
4 of No.	2
8 "	5
4 "	10
4 "	12
1 "	16
1 "	19s
2 "	22
1 "	24
1 "	35
36 "	37
2 "	37a
2 "	48a
1 "	52
4 "	90a
2 "	111c
2 "	126a
1 "	186
1 "	190
2 "	191

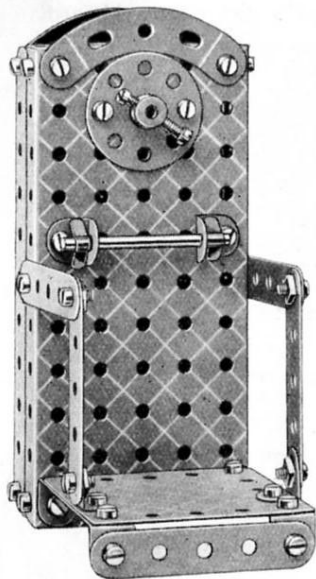


B80. Boxer

Parts required

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



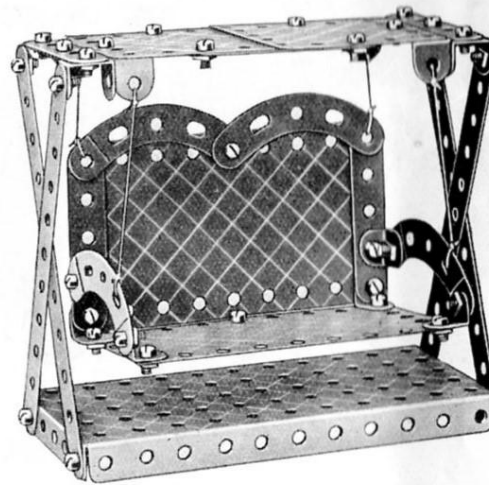


B83.

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

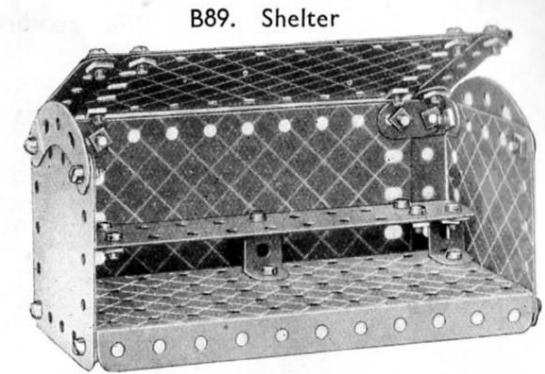


B86.

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

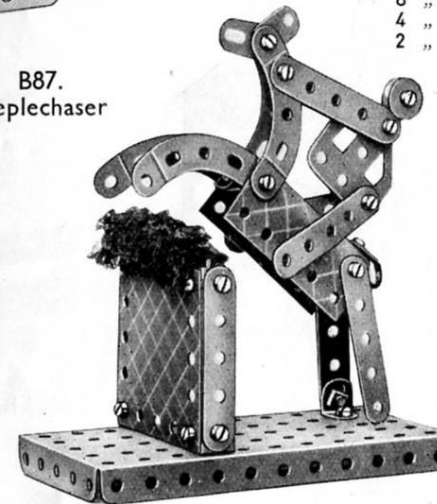


Parts required

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

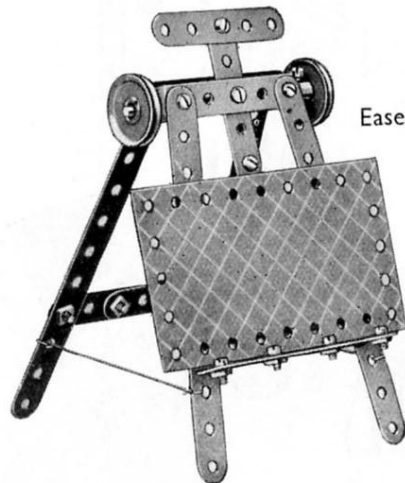
B87.

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.

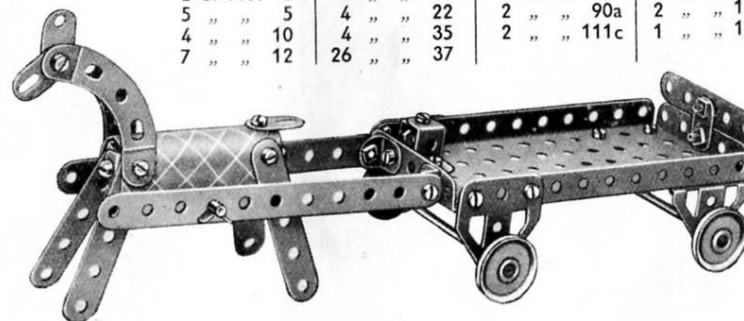
Easel and Board

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

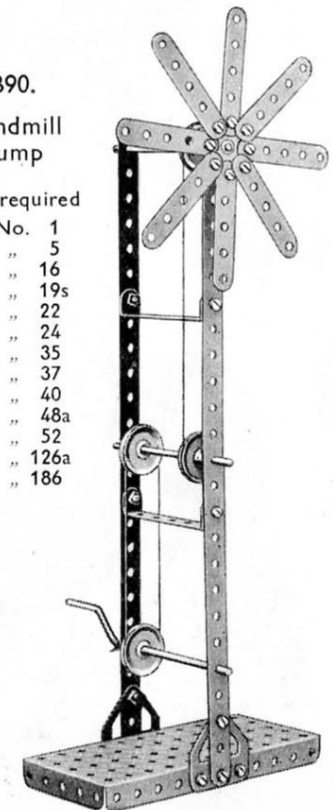
2 of No.	2	2 of No.	16	2 of No.	37a	1 of No.	125
5 "	5	1 "	17	1 "	52	2 "	126
4 "	10	4 "	22	2 "	90a	2 "	126a
4 "	12	4 "	35	2 "	111c	1 "	190
7 "	12	26 "	37				

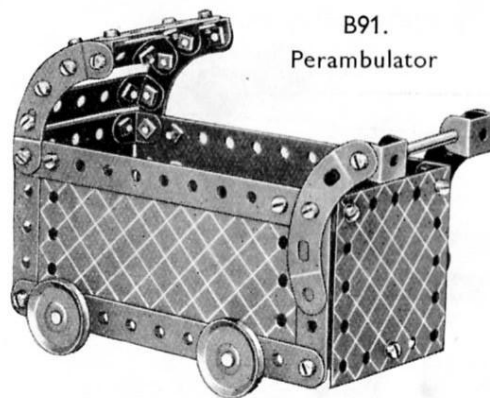
B90.

Windmill Pump

Parts required

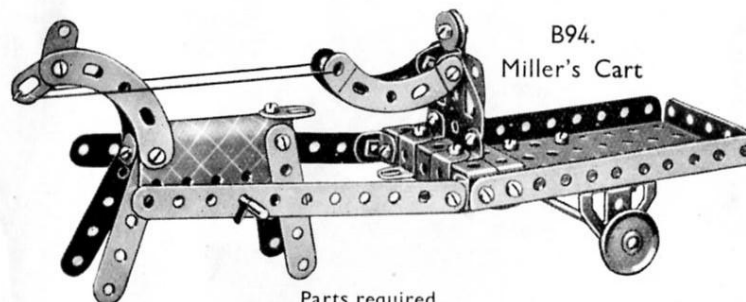
2 of No.	1
8 "	5
2 "	16
1 "	19s
4 "	22
1 "	24
1 "	35
20 "	37
1 "	40
2 "	48a
1 "	52
2 "	126a
1 "	186





B91.
Perambulator

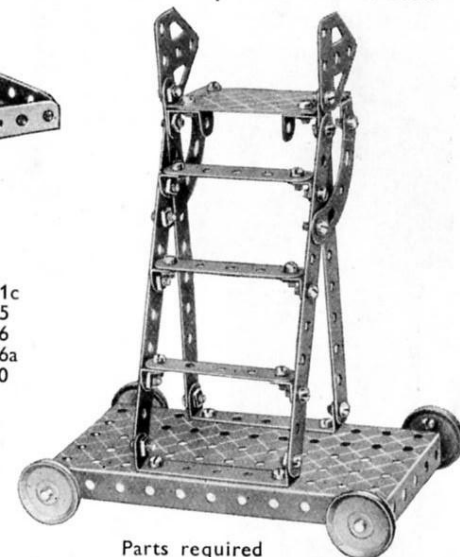
Parts required	
4 of No.	2
8 "	5
2 "	11
8 "	12
2 "	16
1 "	17
4 "	22
36 "	37
2 "	48a
1 "	52
4 "	90a
2 "	190
2 "	191



B94.
Miller's Cart

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

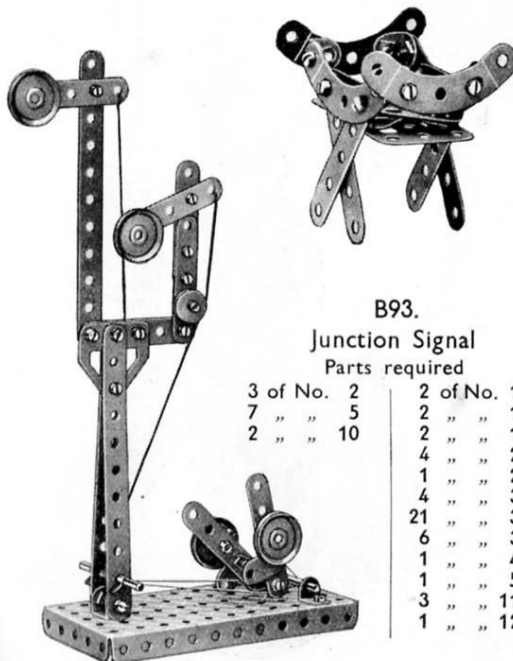
B97. Step Ladder on Wheels



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

B92.
Watchman's Hut and Fire

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



B93.
Junction Signal

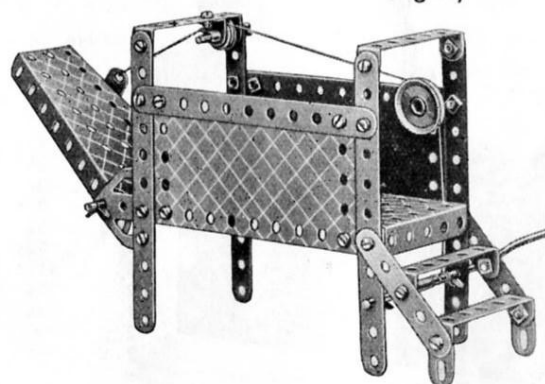
Parts required	
3 of No.	2
7 "	5
2 "	10
2 of No.	11
2 "	12
2 "	17
4 "	22
1 "	23
4 "	35
21 "	37
6 "	37a
1 "	40
1 "	52
3 "	111c
1 "	126a

B95.
Revolving
Office Chair

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



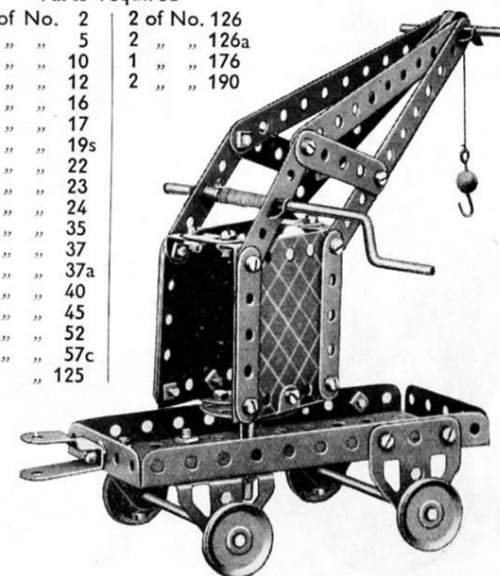
B96. Gangway



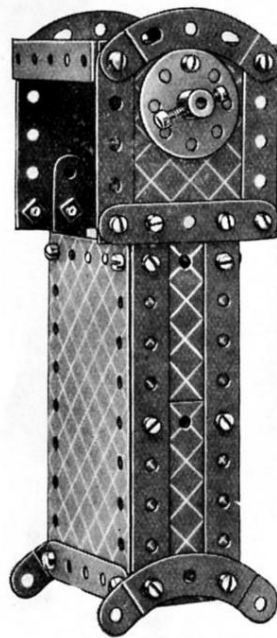
Parts required	
6 of No.	2
4 "	5
3 "	10
5 "	12
1 "	16
1 "	17
1 "	19s
1 "	22
1 "	23
1 "	24
5 "	35
32 "	37
1 "	37a
1 "	40
2 "	48a
1 "	52
1 "	54a
1 "	111c
2 "	126a
1 "	176
2 "	191

B98. Breakdown Crane

Parts required	
4 of No.	2
8 "	5
3 "	10
8 "	12
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
2 of No.	126
2 "	126a
1 "	176
2 "	190



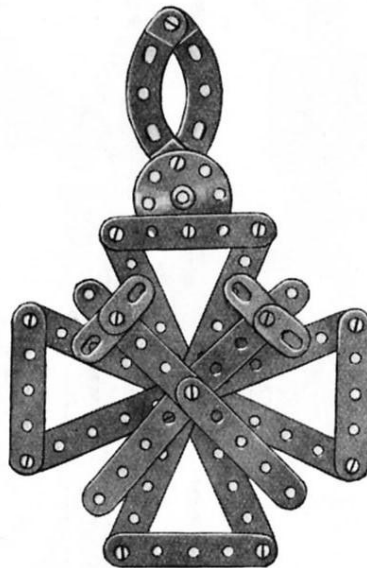
B99.
Grandfather Clock



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

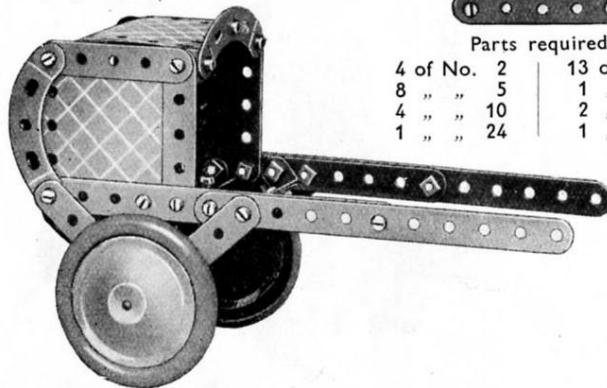
B101.
Medal



B100.
Rickshaw

Parts required

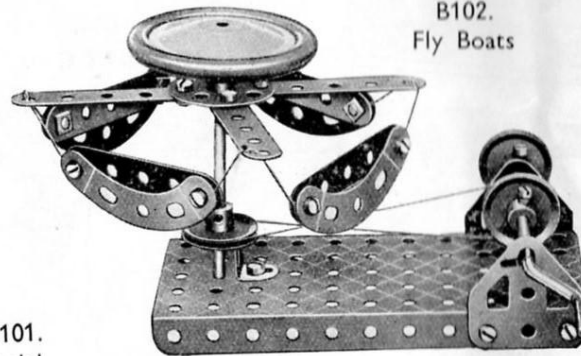
4 of No. 2	3 of No. 90a
9 " " 5	2 " " 126a
7 " " 12	2 " " 187
1 " " 15b	2 " " 190
31 " " 37	2 " " 191
2 " " 48a	



Parts required

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

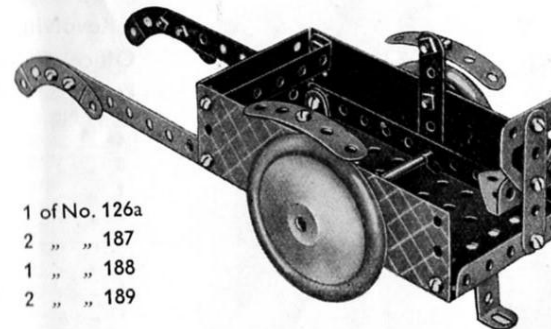
B102.
Fly Boats



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
1 " " 125
2 " " 126a
1 " " 187

B103. Milk Float

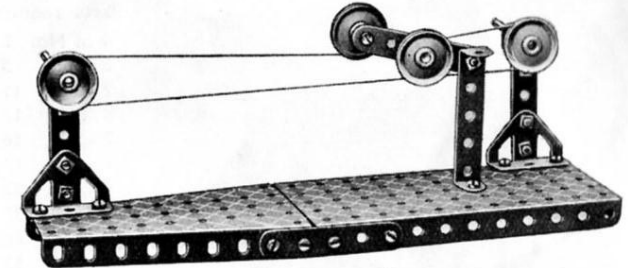


Parts required

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

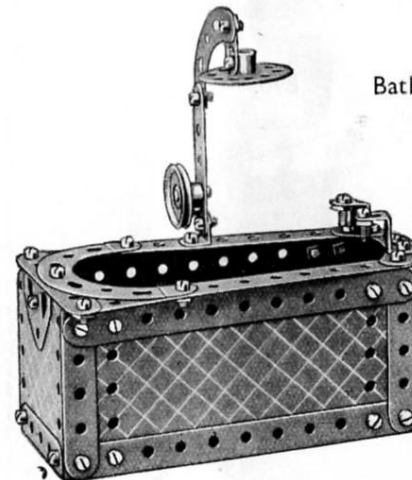
B106.
Rocking Horse

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



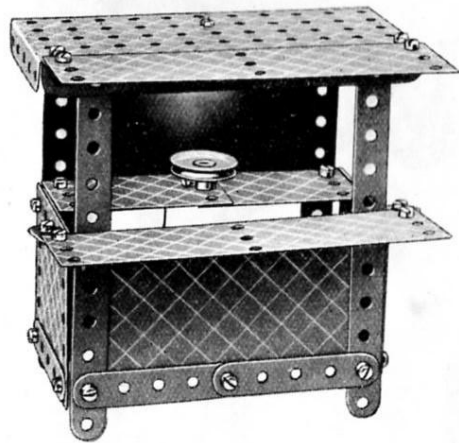
B104.
Bath with Shower



Parts required

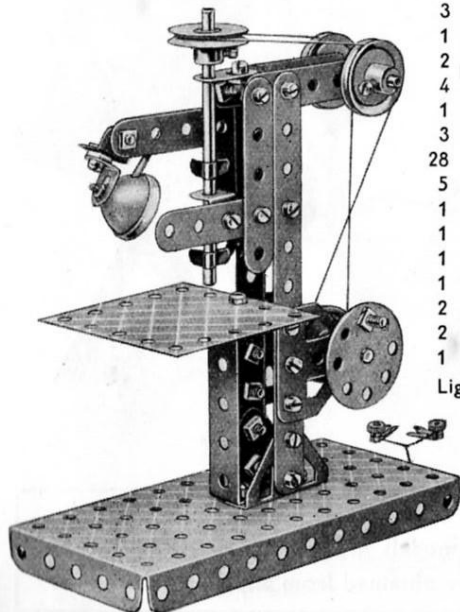
4 of No. 2
7 " " 5
1 " " 10
8 " " 12
1 " " 22
1 " " 23
1 " " 24
36 " " 37
4 " " 37a
1 " " 52
4 " " 90a
5 " " 111c
2 " " 125
1 " " 126
2 " " 190
2 " " 191

B107.
Coffee Stall

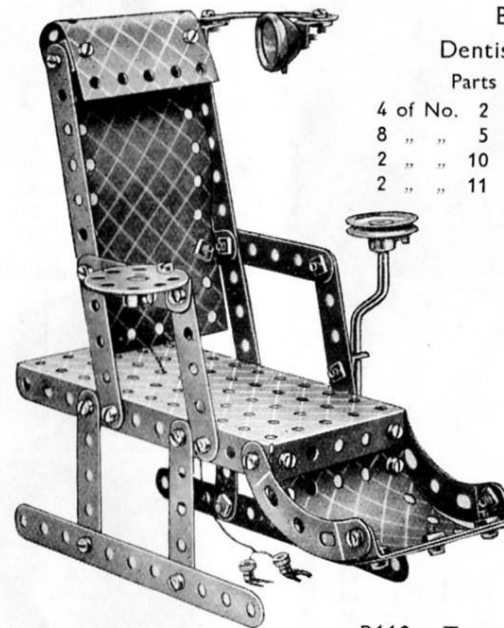


Parts required		
4 of No.	2	
8	"	5
4	"	10
8	"	12
1	"	22
35	"	37
2	"	48a
1	"	52
1	"	111c
2	"	188
2	"	189
2	"	190
2	"	191
Lighting Set		

B108.
Sensitive Drill



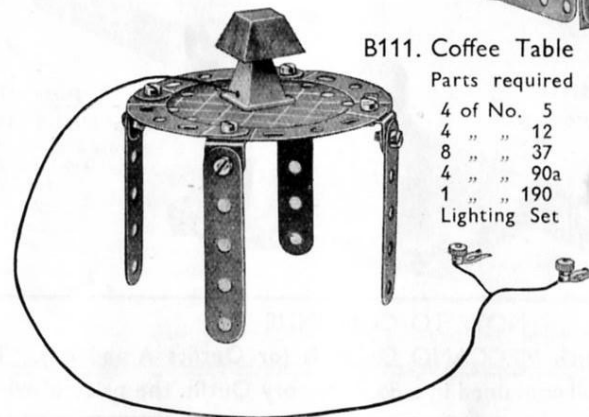
Parts required		
2 of No.	2	
6	"	5
2	"	10
2	"	11
3	"	12
1	"	16
2	"	17
4	"	22
1	"	24
3	"	35
28	"	37
5	"	37a
1	"	40
1	"	48a
1	"	52
1	"	111c
2	"	126
2	"	126a
1	"	190
Lighting Set		



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		

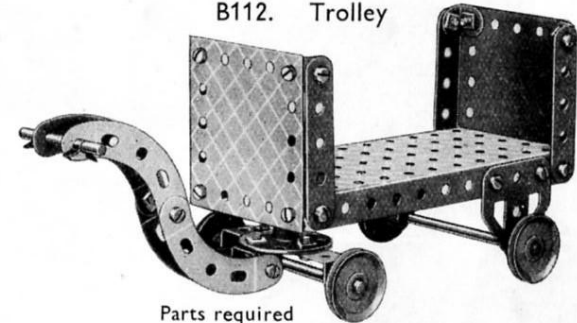
Parts required		
4 of No.	2	
2	"	10
2	"	11
3	"	12
2	"	16
4	"	22
1	"	23
34	"	37
6	"	37a
1 of No. 40		
2	"	48a
1	"	52
4	"	90a
3	"	111c
2	"	126
2	"	190
2	"	191
Lighting Set		



B111. Coffee Table

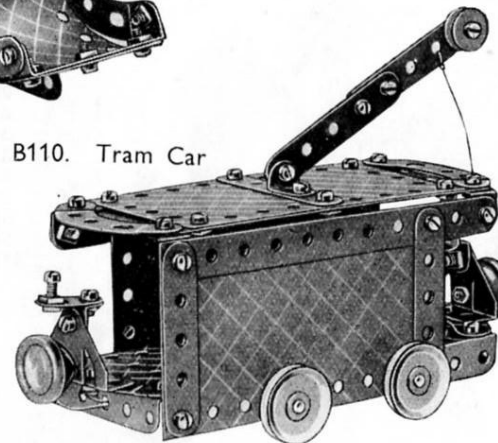
Parts required		
4 of No.	5	
4	"	12
8	"	37
4	"	90a
1	"	190
Lighting Set		

B112. Trolley



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

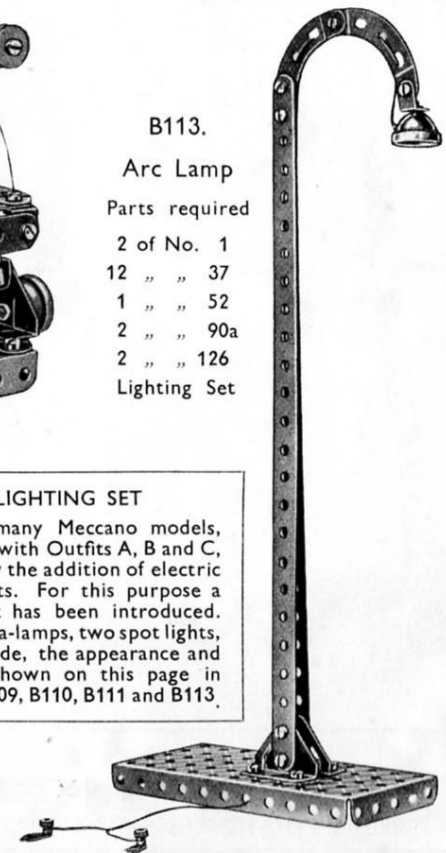
B110. Tram Car



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.

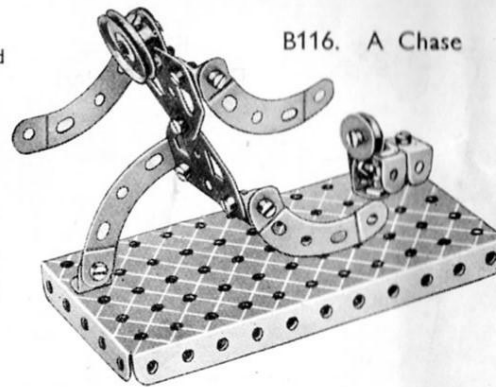
B114. Dressing Table



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

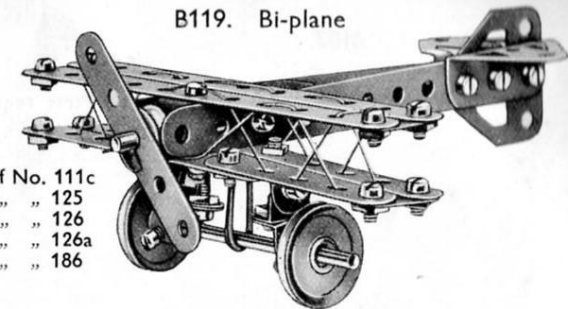
B116. A Chase



Parts required

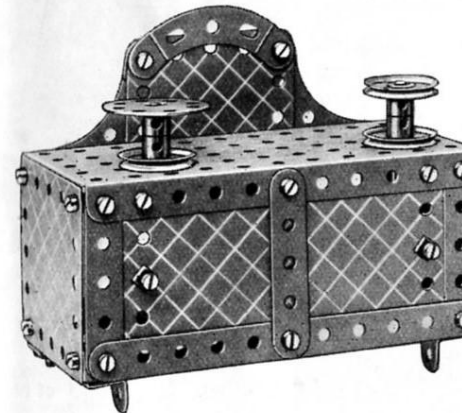
4	of No.	2
6	" "	5
4	" "	10
2	" "	11
4	" "	12
2	" "	16
2	" "	22
1	" "	23
2	" "	35
22	" "	37
3	" "	37a
1	" "	40

B119. Bi-plane



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

B120. Sideboard



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

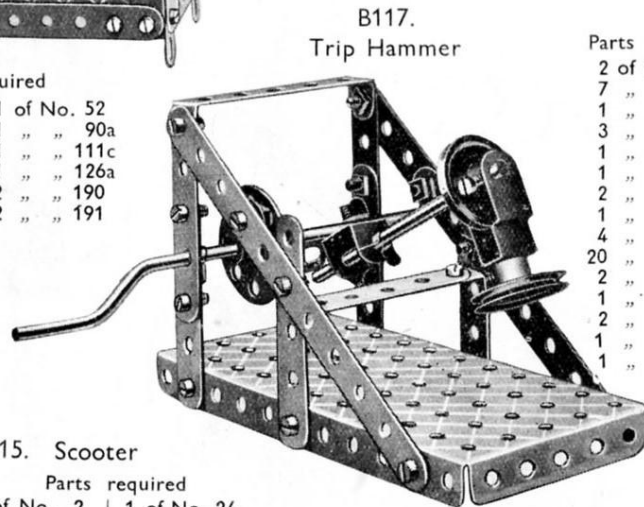
B121. Stamping Machine

Parts required

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

Parts required

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

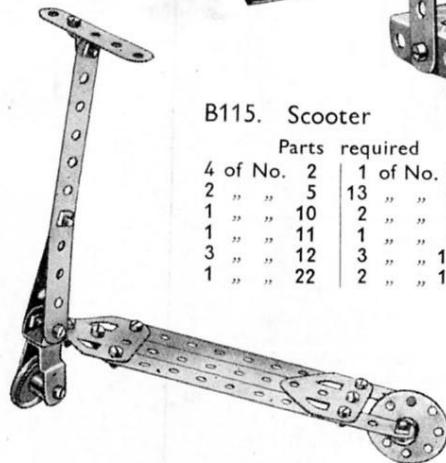


Parts required

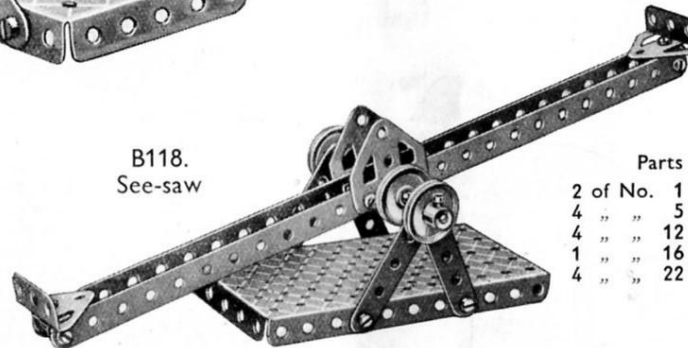
2	of No.	2
7	" "	5
1	" "	11
3	" "	12
1	" "	16
1	" "	19s
2	" "	22
1	" "	24
4	" "	35
20	" "	37
2	" "	37a
1	" "	45
2	" "	48a
1	" "	52
1	" "	111c

B115. Scooter

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

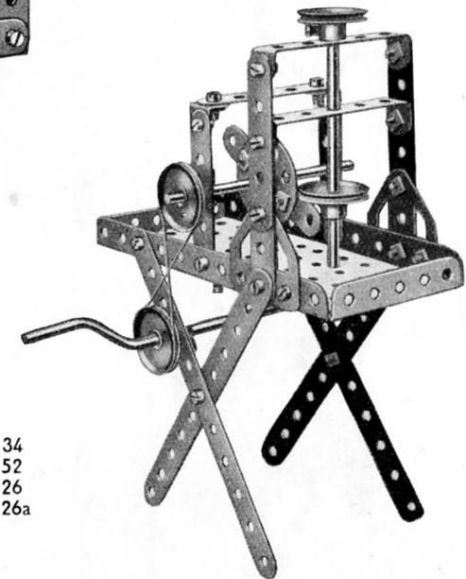


B118. See-saw



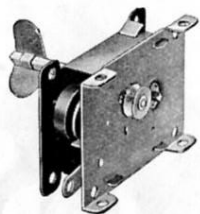
Parts required

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

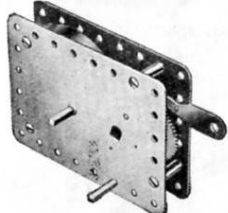


HOW TO CONTINUE

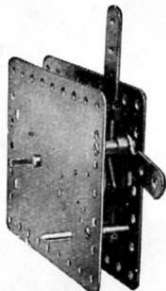
This completes our examples of models that may be made with MECCANO Outfit B (or Outfits A and Aa). The next models are a little more advanced, requiring extra parts to construct them. The necessary parts are all contained in a Ba Accessory Outfit, the price of which may be obtained from any Meccano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



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 $9\frac{3}{4}$ volts) for 6-volt Electric Motors. Fitted with speed regulator and separate circuit for supplying current for eighteen $3\frac{1}{2}$ -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 $20\frac{3}{4}$ volts) for 20-volt Electric Motors. Fitted with speed regulator and output sockets for lighting lamps.

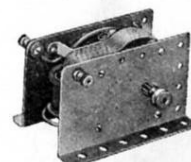
Accumulators

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

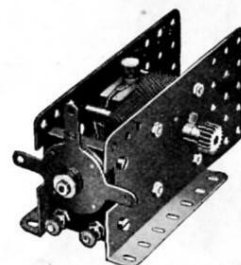
The 2-volt 20-amp. hr. Meccano Accumulator is supplied for converting 4-volt Accumulators to 6-volt.

Resistance Controller

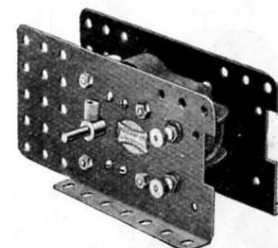
This Controller enables the speed of Meccano 6-volt and 20-volt Motors and Hornby 6-volt and 20-volt Electric Trains to be regulated as desired.



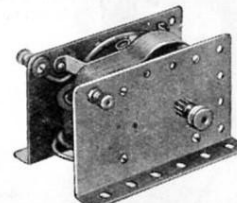
No. E1 Electric Motor (6-volt)



No. E6 Electric Motor (6-volt)



No. E20a Electric Motor (20-volt)



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



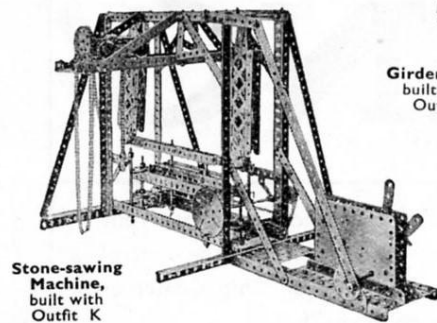
No. T20 Transformer

Ask your dealer for a complete price list

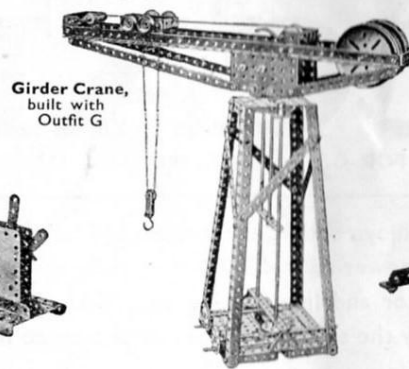
Build Bigger and Better Models



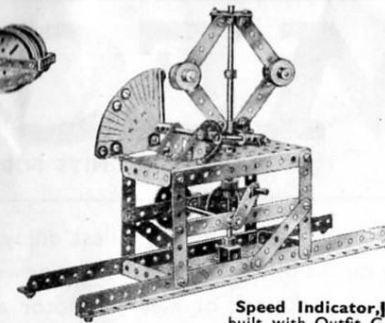
Windmill,
built with
Outfit E



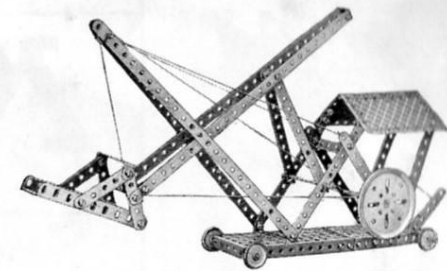
Stone-sawing
Machine,
built with
Outfit K



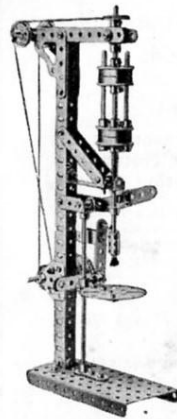
Girder Crane,
built with
Outfit G



Speed Indicator,
built with Outfit G



Mechanical Shovel, built with Outfit C



Vertical Drill,
built with
Outfit H

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.

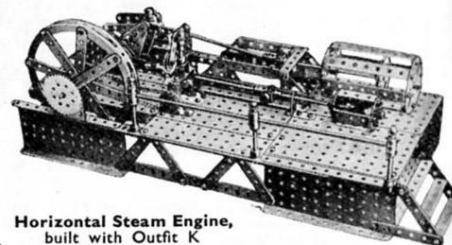
You can purchase separate Meccano parts as you require them or, if you prefer, you can purchase Accessory Outfits that connect all the main Outfits.



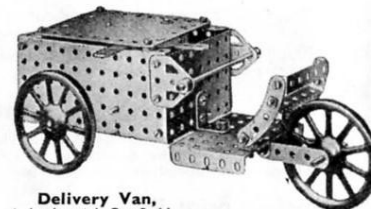
Elevated
Jib Crane,
built with
Outfit C



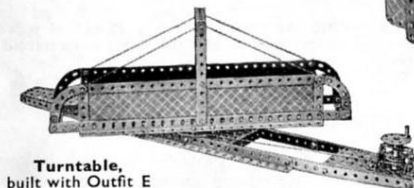
Racing Seaplane
built with Outfit L



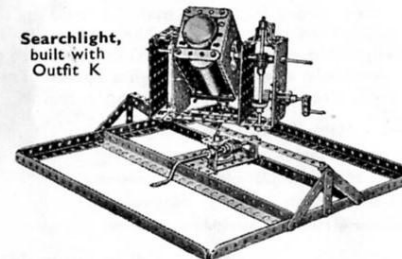
Horizontal Steam Engine,
built with Outfit K



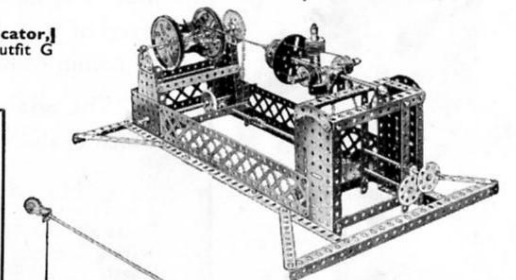
Delivery Van,
built with Outfit H



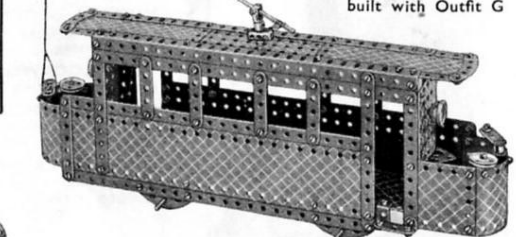
Turntable,
built with Outfit E



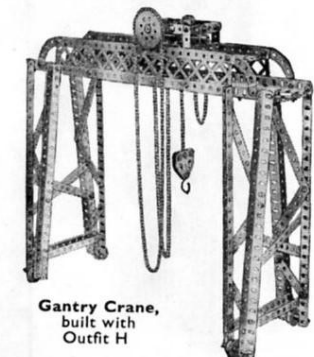
Searchlight,
built with
Outfit K



Wire Rope-making
Machine,
built with Outfit G

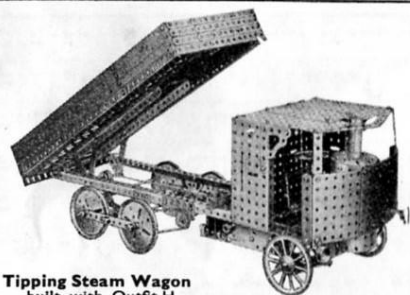


Tramcar, built with Outfit F

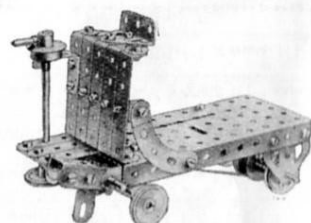


Gantry Crane,
built with
Outfit H

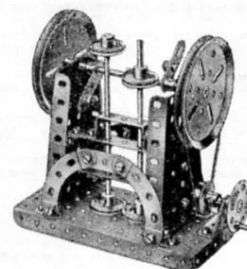
The Possibilities of Meccano are Unlimited



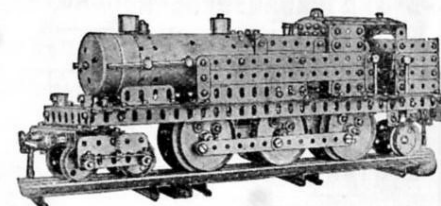
Tipping Steam Wagon
built with Outfit H



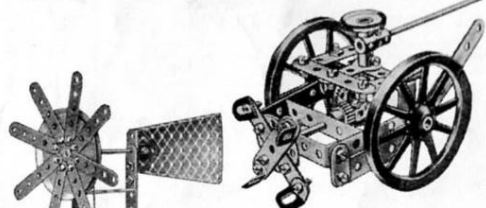
Electric Truck
built with Outfit E



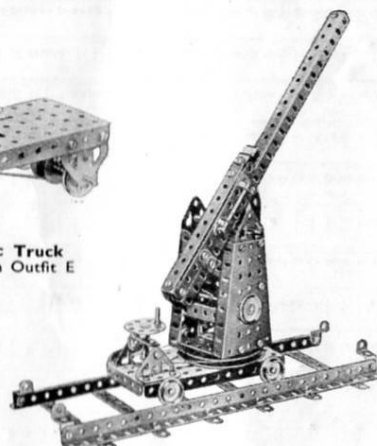
Stamping Mill,
built with Outfit E



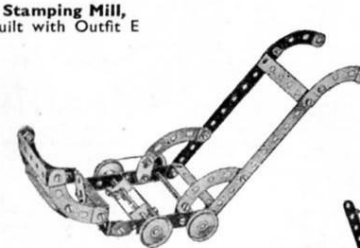
Pacific Tank Locomotive,
built with Outfit L



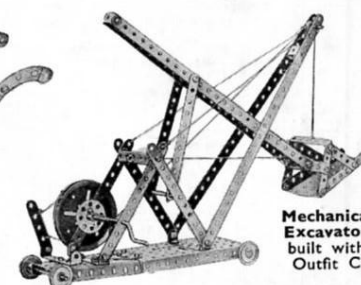
Potato Reaper,
built with Outfit H



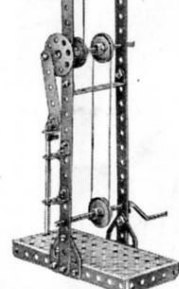
Anti Aircraft Gun, built with Outfit E



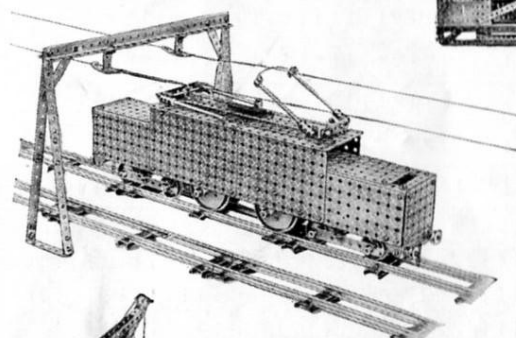
Lawn Mower,
built with Outfit E



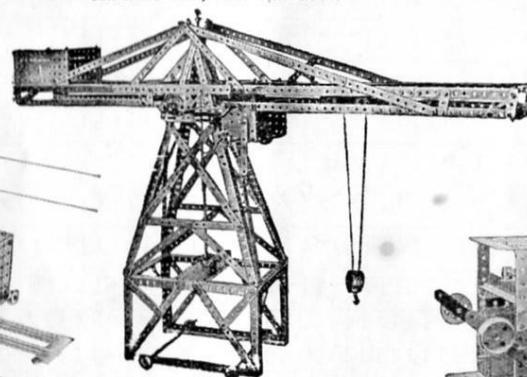
Mechanical Excavator
built with Outfit C



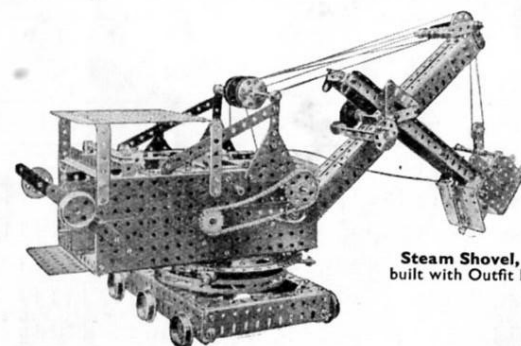
Windmill Pump,
built with Outfit C



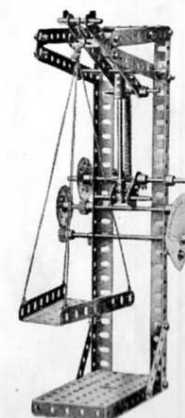
Electric Locomotive,
built with Outfit K



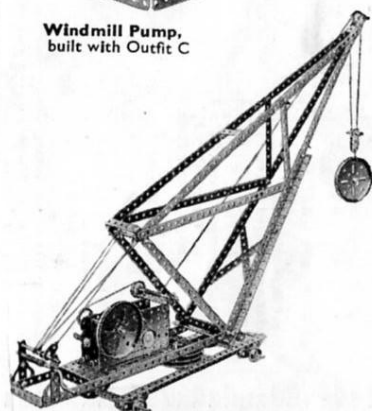
Radial Travelling Crane,
built with Outfit K



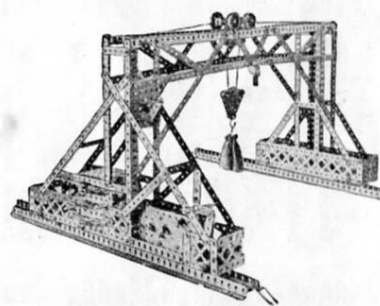
Steam Shovel,
built with Outfit L



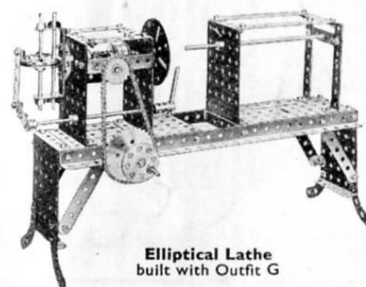
Spring Scales
built with Outfit H



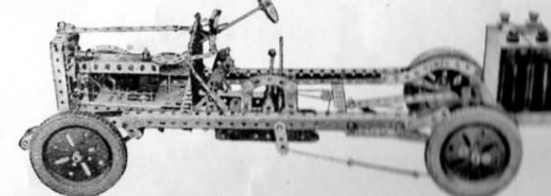
Travelling Jib Crane,
built with Outfit E



Travelling Gantry Crane,
built with Outfit L



Elliptical Lathe
built with Outfit G



Motor Chassis, built with Outfit L

CONTENTS OF OUTFITS AND COMPLETE LIST OF MECCANO PARTS

No.	Description.	A	Aa	B	Ba	C	Ca	D	Da	E	Ea	F	Fa	G	Ga	H	Ha	K	L	Ka
1	Perforated Strips, 12"																			
1a	"																			
1b	"																			
2	"	4	2	6	12	8	6	14		14	4	18	3	21	2	26	2	28	12	40
2a	"																			
2b	"																			
3	"																			
3a	"																			
4	"																			
4a	"																			
5	"	6	3	9		9	3	12		12	4	12	6	18	18	36	20	36	84	120
5a	"																			
6	"																			
6a	"																			
7	"																			
7a	"																			
8	"																			
8a	"																			
8b	"																			
9	"																			
9a	"																			
9b	"																			
9c	"																			
9d	"																			
9e	"																			
10	"																			
10a	"																			
11	"																			
11a	"																			
12	"	8	12	2	6	5	3	12		12	2	14	2	22	3	36	12	48	28	72
12a	"																			
12b	"																			
13	"																			
13a	"																			
14	"																			
15	"																			
15a	"																			
15b	"																			
16	"																			
16a	"																			
16b	"																			
17	"																			
18	"																			
18a	"																			
18b	"																			
19	"																			
19a	"																			
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19c	"																			
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55	"																			
55a	"																			
57	"																			
57a	"																			
57b	"																			
57c	"																			
58	"																			
58a	"																			
58b	"																			
59	"																			

[illegible]

No.	Description.	A	Aa	B	Ba	C	Ca	D	Da	E	Ea	F	Fa	G	Ga	H	Ha	K	Ka	L
142c	Motor Tyres, 1" diam.																			1
142d	" " " " 1 1/2" diam.																			1
143	Circular Girders, 5 1/2" diam.																			2
144	Dog Clutches																			2
145	Circular Strips, 7" diam.																			2
146	" " Plates, 6" diam.																			2
146a	" " " " " "																			8
147	Pawls with pivot bolt and nuts																			2
147a	Pawl Bolt with 2 Nuts																			2
147b	Pawl, without Boss																			2
147c	Ratchet Wheels																			2
148	Collector Shoes for Locos																			2
149	Crane Grabs																			2
150	Pulley Blocks, 1" Sheave																			2
151	" " " " 2" Sheaves																			2
152	" " " " " "																			2
153	Corner Angle Brackets, R.H.																			2
154a	Rubber Rings, 8" diam.																			2
154b	Printers, 12 1/2" with Boss																			2
155	Fans 1 1/2" diam.																			2
157	Signal Arms, Home																			2
158a	" " " " " "																			2
158b	" " " " " "																			2
160	Girder Bearings, 1 1/2" x 1 1/2" x 1 1/2"																			2
161	Girder Brackets, 2 1/2" x 1 1/2" x 1 1/2"																			2
162	Boiler with ends, complete																			2
162a	Boiler Ends																			2
162b	Boilers without Ends																			2
163	Sleeve Pieces																			2
164	Chimney Adaptors																			2
165	Swivel Bearings																			2
166	End Bearings																			2
167	Geared Roller Bearings																			2
167a	Roller Races, Geared, 192 teeth																			2
167b	Ring Frames for Rollers																			2
167c	Pinions																			2
168	Ball Bearings, 4" diam.																			2
168a	Ball Races, Flanged Disc																			2
168b	" " " " " "																			2
168c	Ball Casings complete with Balls																			2
169	Digger Buckets																			2
170	Eccentrics 3/4" throw																			2
171	Socket Couplings																			2
172	Pendulum Connections																			2
173	Rail Adaptors																			2
174	Grease Cups																			2
175	Flexible Coupling Units																			2
176	Anchoring Springs for Cord																			2
177	Shafting Standard, Large																			2
178	" " " " " " Small																			2
179	Rod Socket																			2
180	Gear Ring 3 1/2"																			2
181	Bobbins																			2
182	Insulating Bushes																			2
183	Lamp Holders																			2
184a	Lamps, 3 1/2" volt																			2
184b	" " " " " "																			2
184c	" " " " " "																			2
184d	" " " " " "																			2
184e	" " " " " "																			2
185	Steering Wheel 1 1/2" diam.																			2
186	Driving Bands																			2
187	Road Wheels																			2
188	Flexible Plates, 2 1/2" x 1 1/2"																			2
189	" " " " " "																			2
190	" " " " " "																			2
191	" " " " " "																			2
192	" " " " " "																			2
193	" " " " " "																			2
194	" " " " " "																			2
195	" " " " " "																			2
196	" " " " " "																			2
197	" " " " " "																			2
198	Hinged Flat Plates, 4 1/2" x 2 1/2"																			2
199	Terminals																			2
199a	Washers, Insulating																			2
199b	6 B.A. Screws																			2
199c	6 B.A. Nuts																			2
199d	Clockwork Motor No. 2																			2
199e	Electric Motor No. E6 (6 volt)																			2

Full instructions for building a fine range of models are included with each Outfit.

LIST OF MODELS ILLUSTRATED THIS MANUAL

PLATES, STRIPS, GIRDERS, & BRACKETS

