

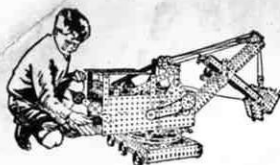
MECCANO

HORNBY'S ORIGINAL SYSTEM — FIRST PATENTED 1901

INSTRUCTIONS FOR OUTFIT A

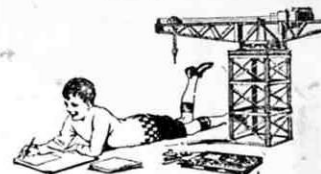
PRICE
2d.





MECCANO

HORNBY'S ORIGINAL SYSTEM — FIRST PATENTED 1901



MODEL-BUILDING WITH MECCANO

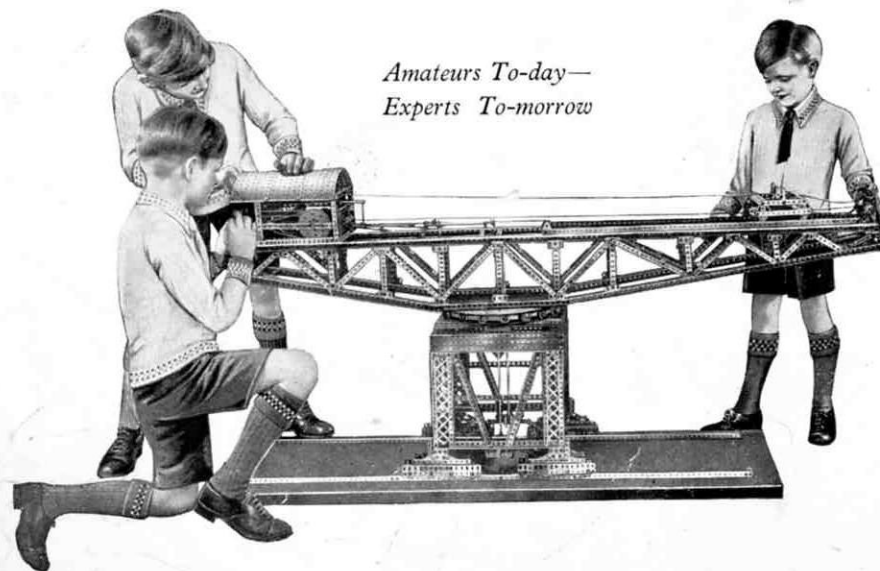
There is no limit to the number of models that can be built with Meccano—Cranes, Clocks, Motor Cars, Ship Coalers, Machine Tools, Locomotives—in fact everything that interests boys. A screwdriver and spanner, both of which are provided in the Outfit, are the only tools necessary.

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.

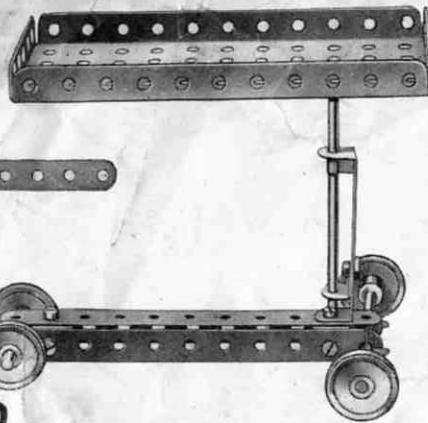
Meccano Clubs are founded and established under the guidance of the Guild Secretary at Headquarters, and at the present time there are active Clubs in nearly 250 towns and villages in the United Kingdom, and more than 100 in countries overseas. Each Club has its Leader, Secretary, Treasurer, and other 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 medallions are awarded in connection with the Recruiting Campaign, full particulars of which will be sent on request.

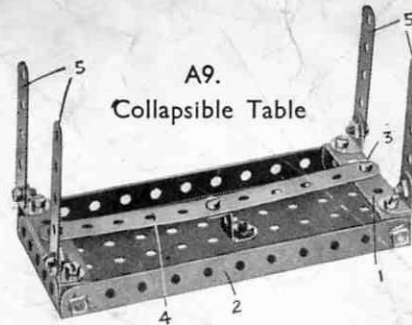
MECCANO SERVICE

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.*

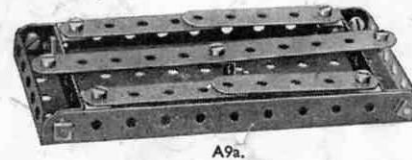
A5. Bed Table



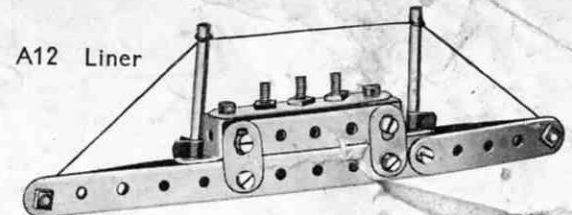
A9. Collapsible Table



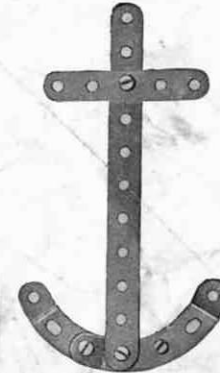
The $2\frac{1}{2}'' \times \frac{1}{2}''$ Double Angle Strips 1 are attached to the $5\frac{1}{2}'' \times 2\frac{1}{2}''$ Flanged Plate 2 by lock-nutted Bolts as in Standard Mechanism No. 263. The Bolts 3 are secured to the $5\frac{1}{2}''$ Strip 4 and their shanks engage with the centre holes in the $2\frac{1}{2}'' \times \frac{1}{2}''$ 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



A2. Dog



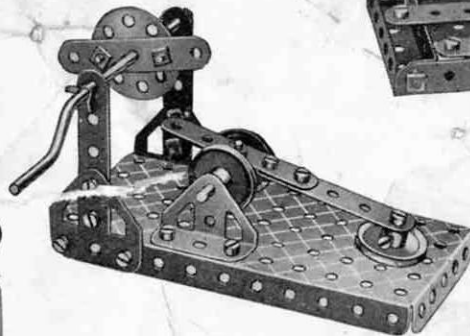
A3. Jumping Jack



A4. Sword



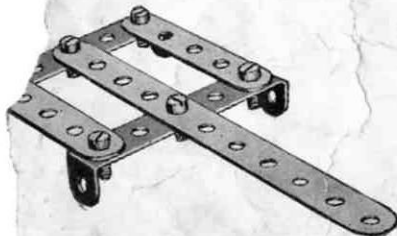
A6. Trip Hammer



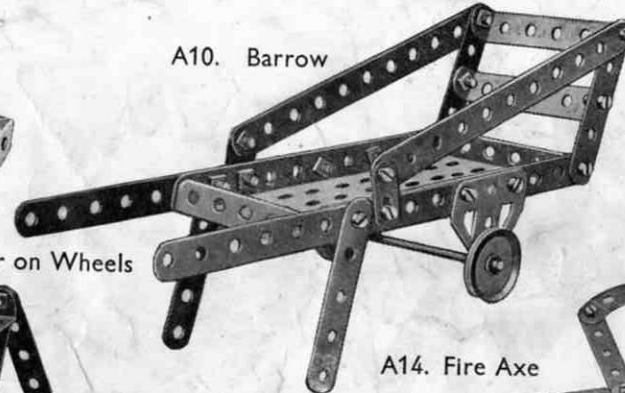
A7. Roman Balance



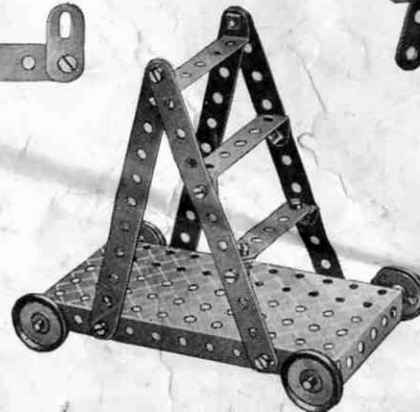
A8. Grill



A10. Barrow



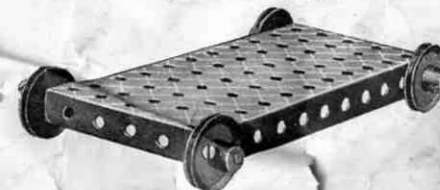
A11. Ladder on Wheels



A14. Fire Axe



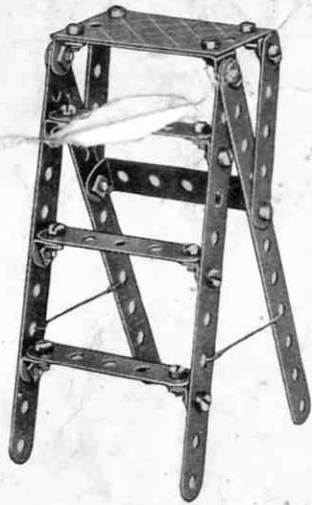
A15. Flat Truck



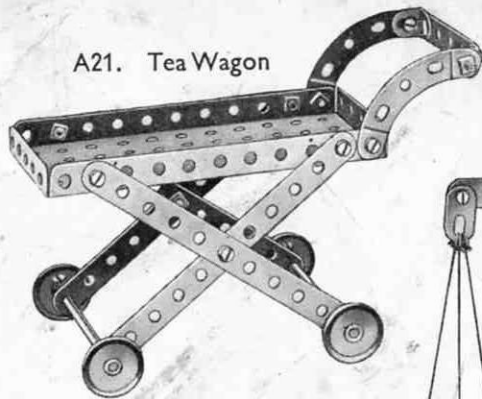
A17. Telegraph Pole



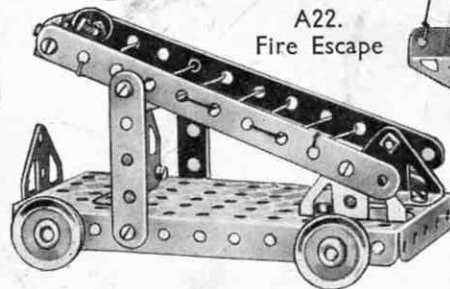
A18. Step Ladder



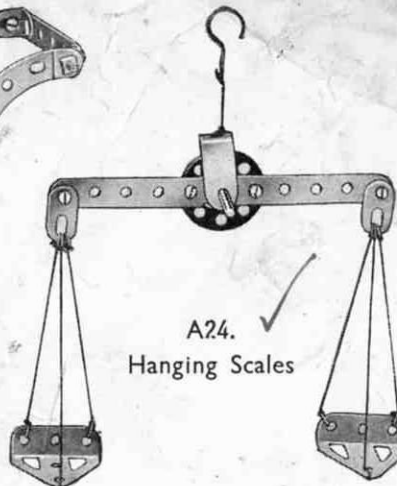
A21. Tea Wagon



A22. Fire Escape



A24. Hanging Scales



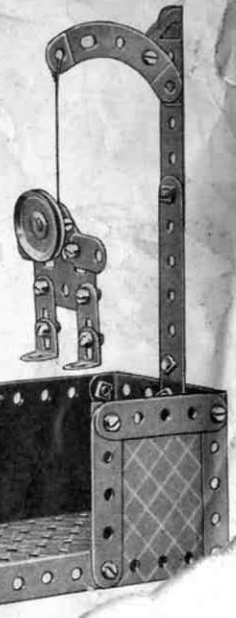
A27. Devil Wall



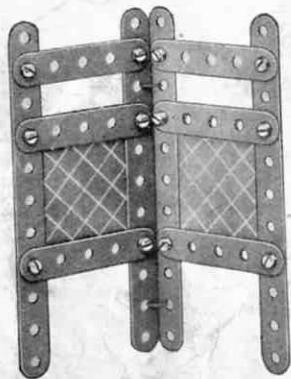
A28. Garden Seat



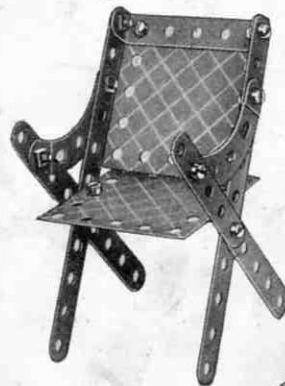
A30. Gallows



A19. Fire Screen



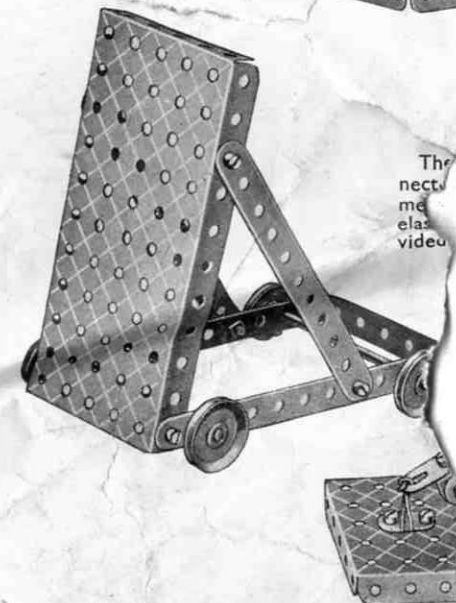
A23. Arm Chair



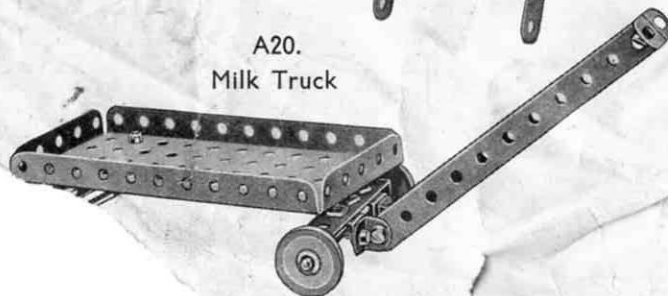
A25. Horse



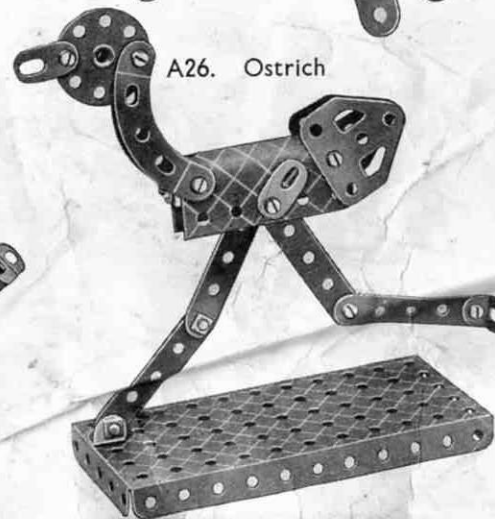
A29. Gravel Sifter



A20. Milk Truck



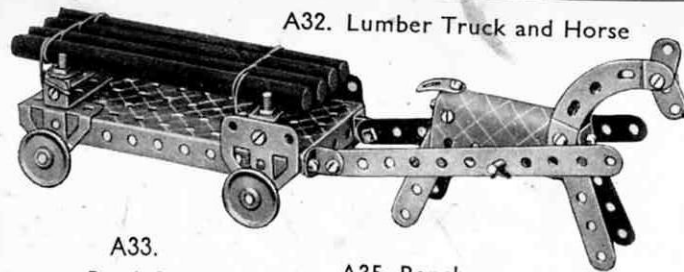
A26. Ostrich



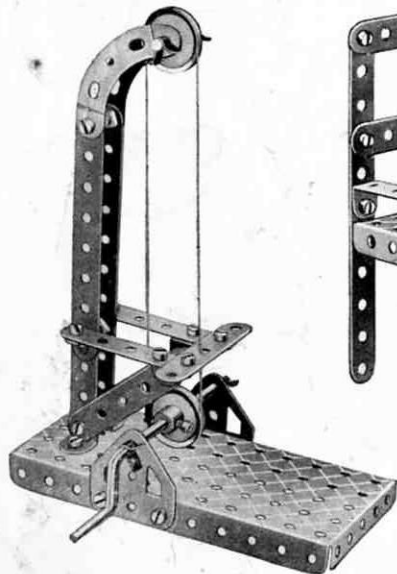
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These Models can be built with MECCANO Outfit A

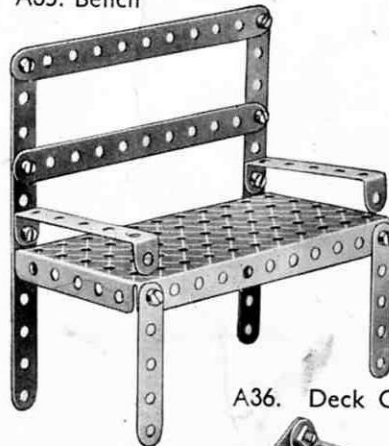
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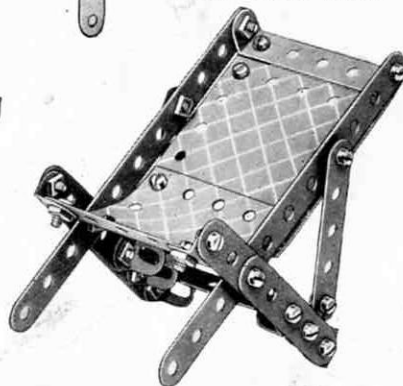
A32. Lumber Truck and Horse

A33.
Band Saw

A35. Bench



A36. Deck Chair

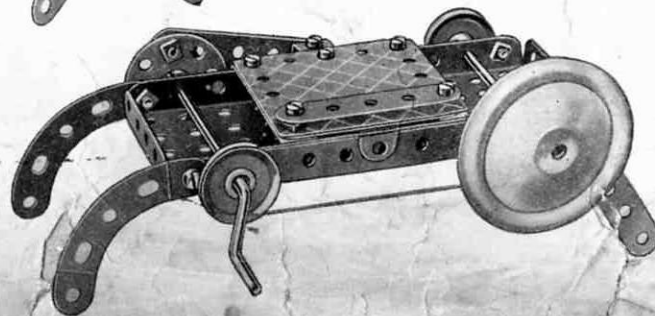


A37. Magic Plate

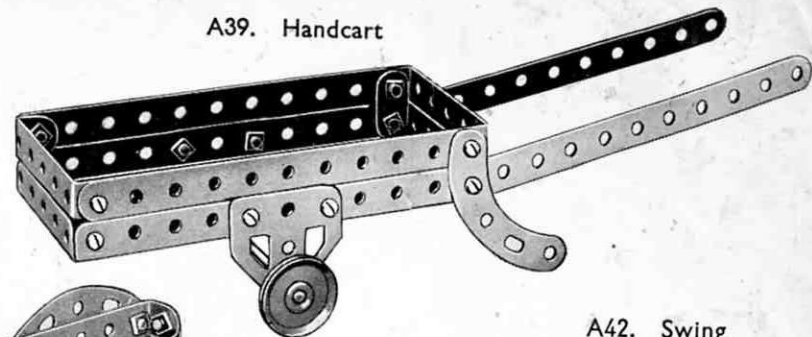
The cord is wound once round a 2 in. Axle Rod that is journalled in a $\frac{1}{2}$ -in. Reversed Angle Bracket, which is bolted to the Plate. If the cord is held loosely the Plate will drop, but as soon as the cord is tightened the Plate becomes immovable.



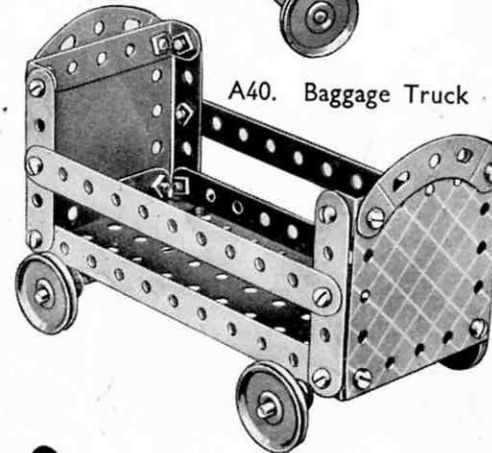
A38. Bacon Slicing Machine



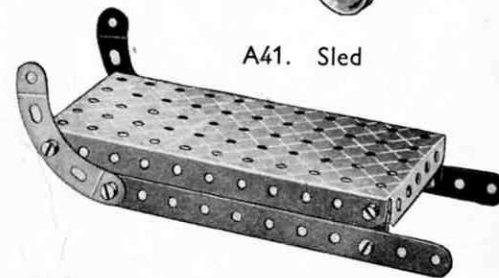
A39. Handcart



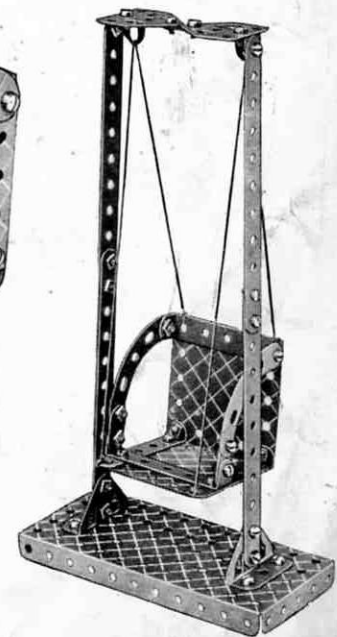
A40. Baggage Truck



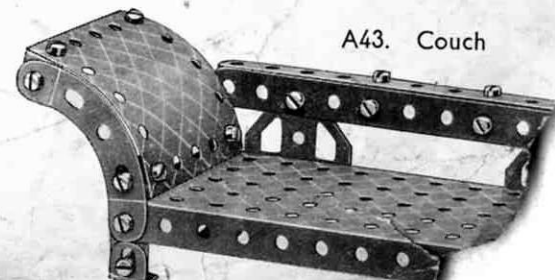
A41. Sled



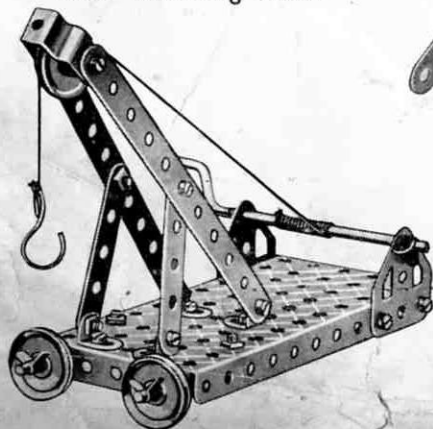
A42. Swing



A43. Couch

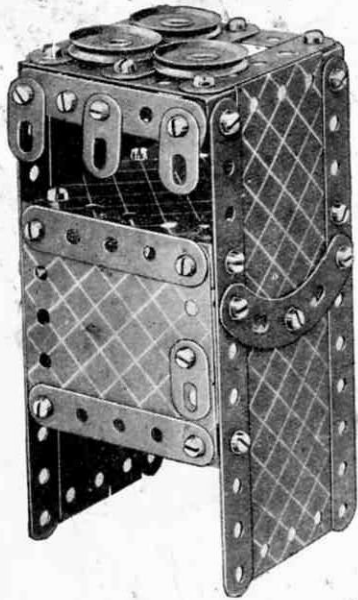


A34. Revolving Crane

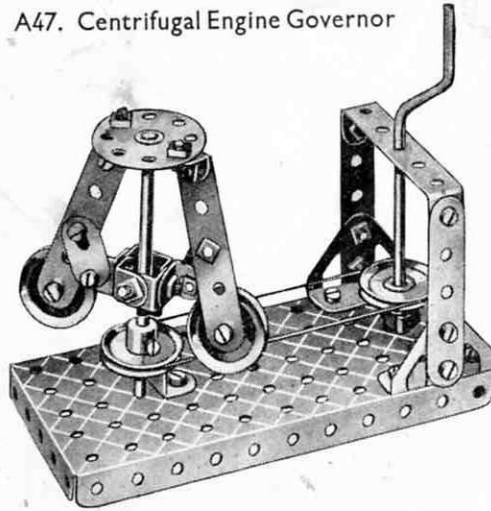


These Models can be built with MECCANO Outfit A

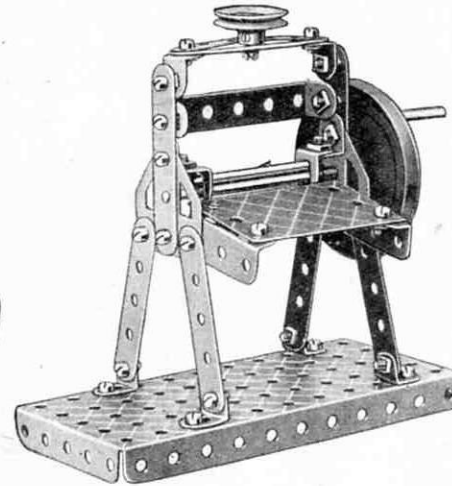
A44. Gas Stove



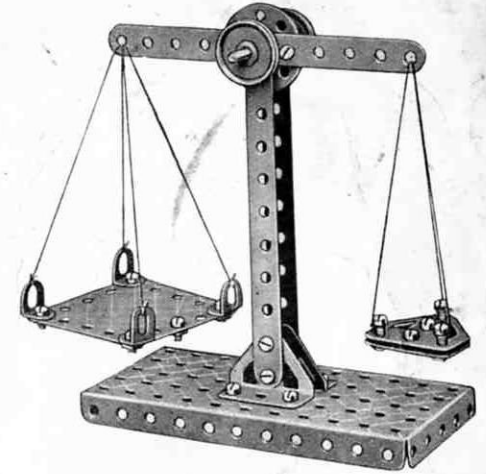
A47. Centrifugal Engine Governor



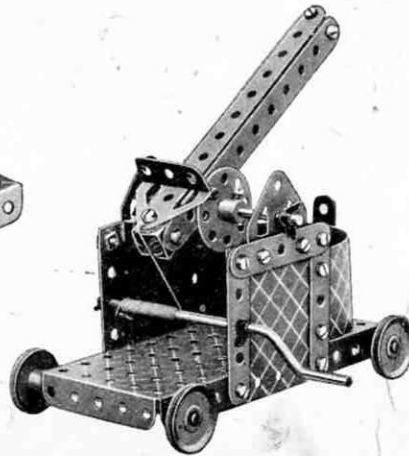
A49. Wringing Machine



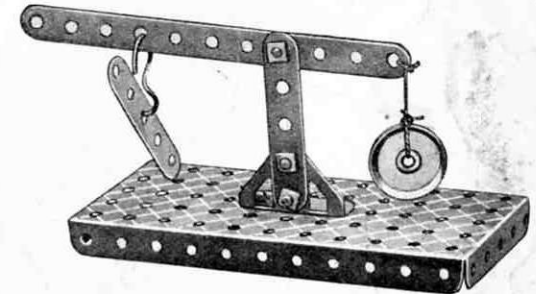
A51. Scales



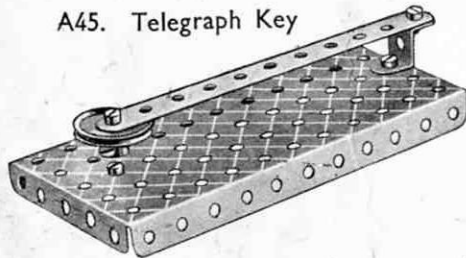
A48. Anti-aircraft Gun



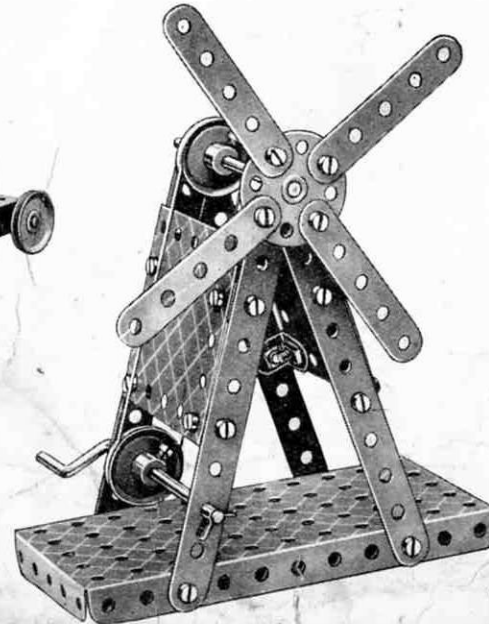
A52. Lever of the First Order



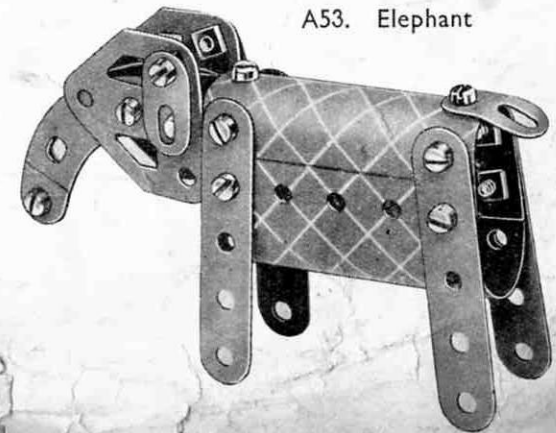
A45. Telegraph Key



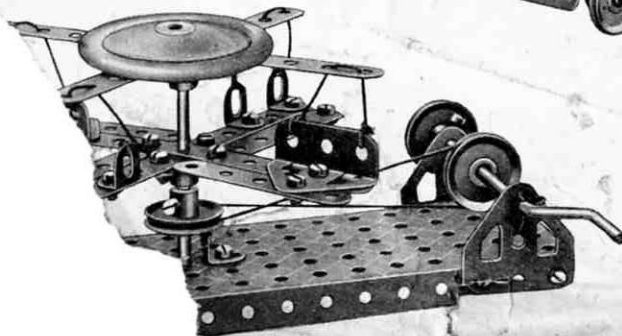
A50. Windmill



A53. Elephant



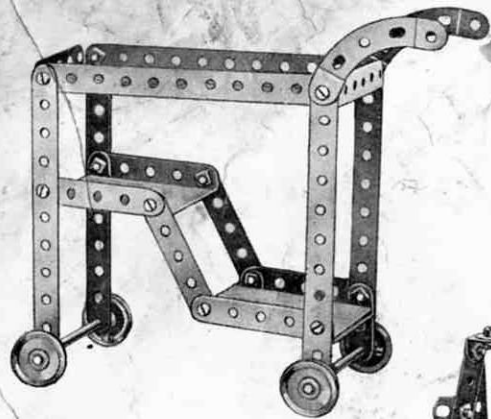
A46. Roundabout



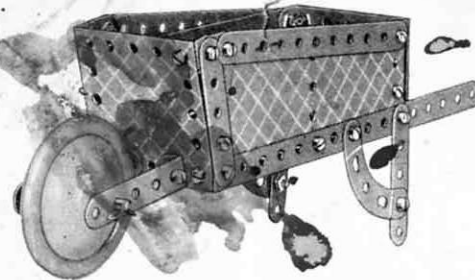
These Models can be built with **MECCANO** Outfit A

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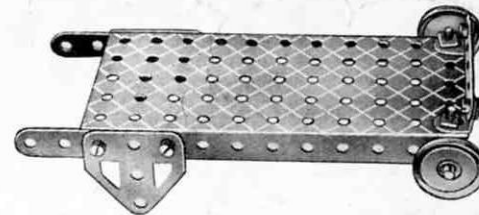
A54. Dinner Wagon



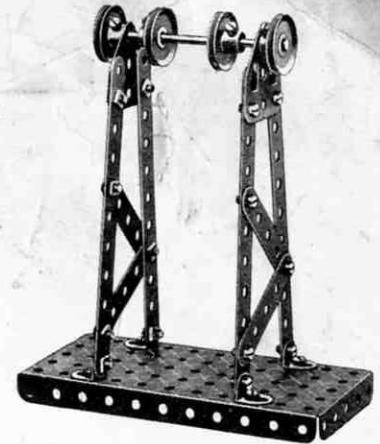
A56. Wheel Barrow



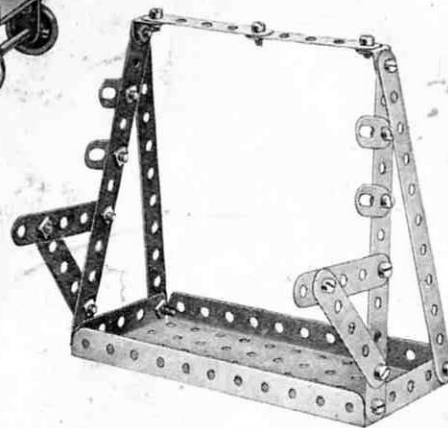
A62. Flat Truck



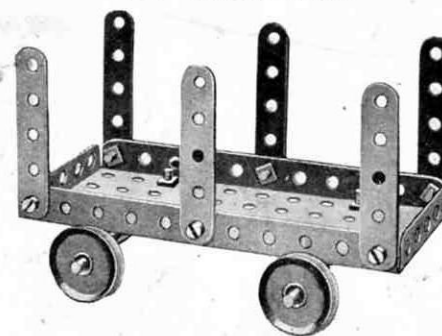
A64. Shafting Standard



A57. Pen Rack



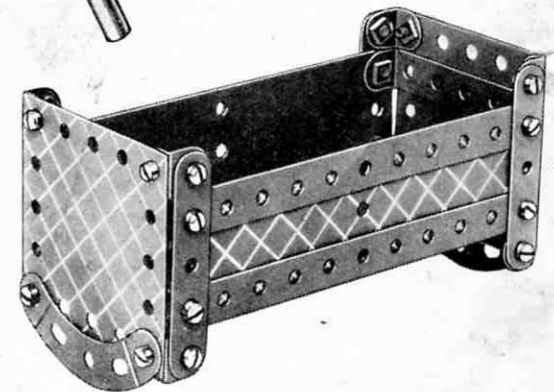
A60. Timber Truck



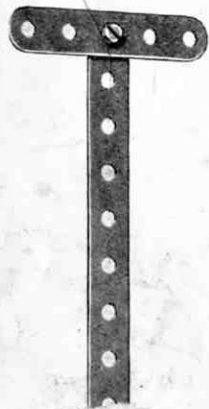
A63. Top



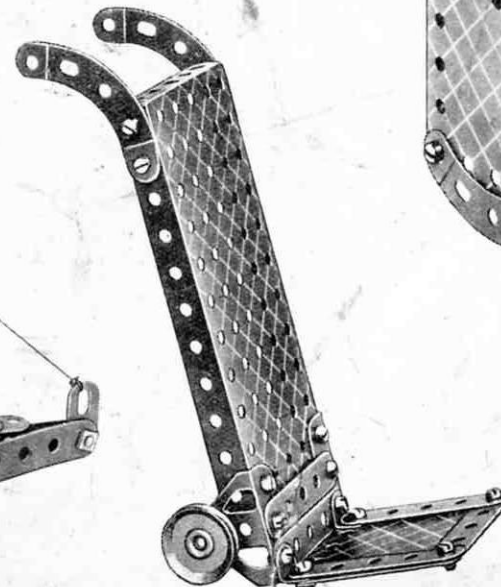
A65. Cot



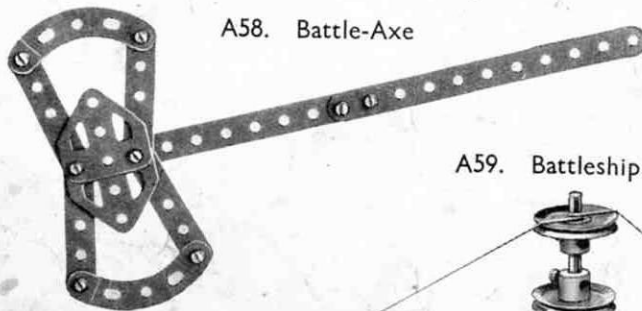
A55. Fork



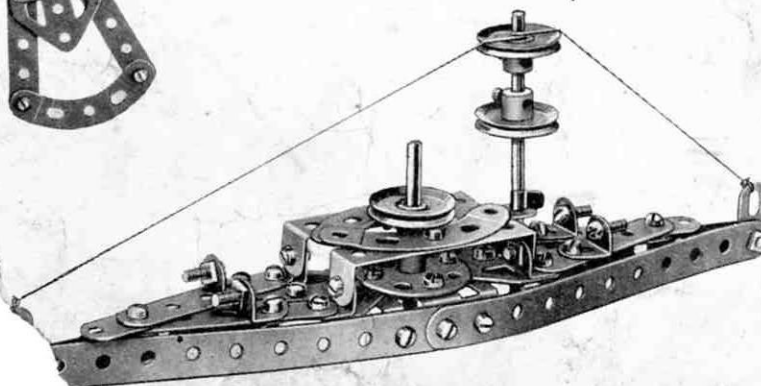
A61. Porter's Trolley



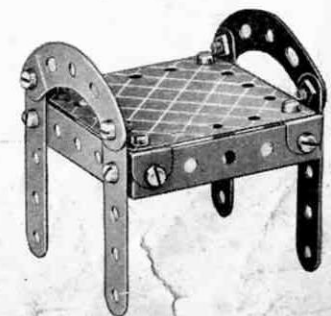
A58. Battle-Axe

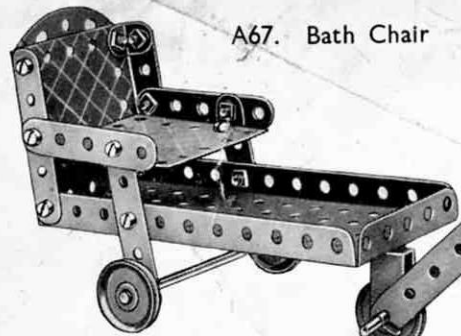


A59. Battleship

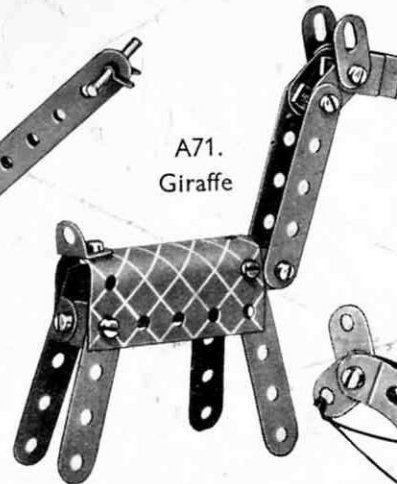
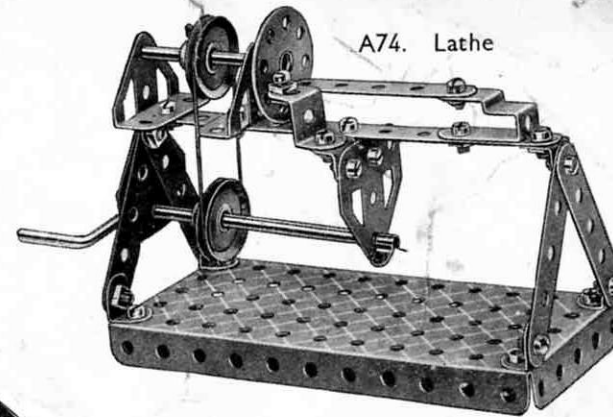


A66. Music Stool





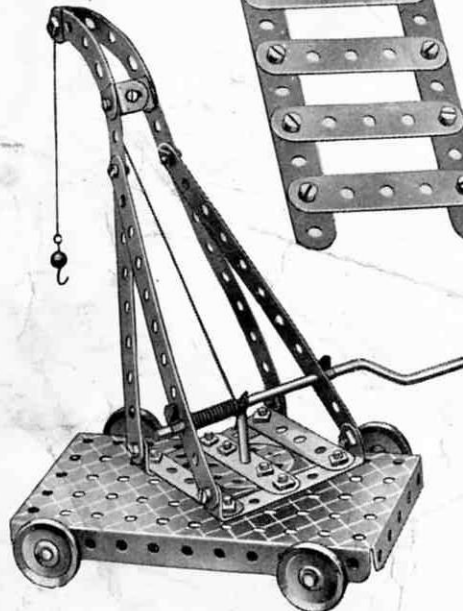
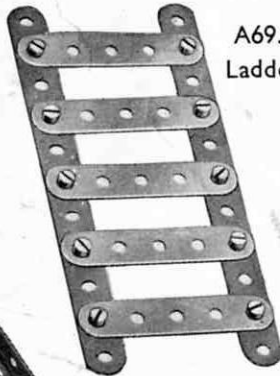
A67. Bath Chair

A71.
Giraffe

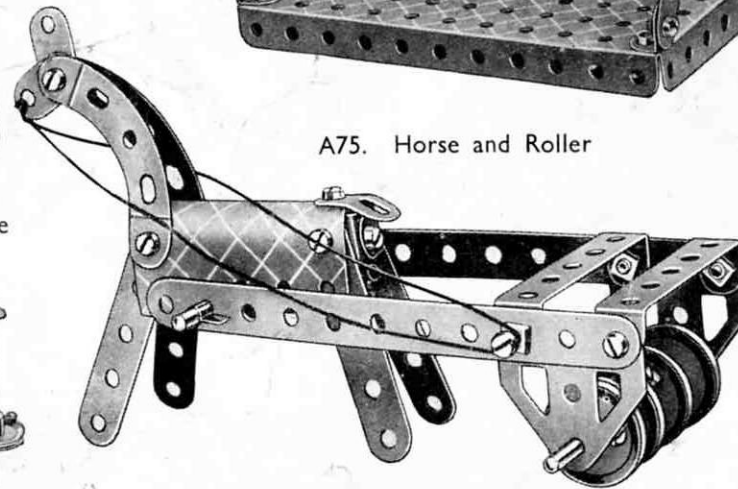
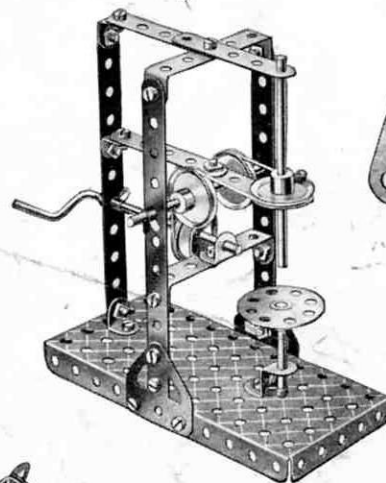
A74. Lathe



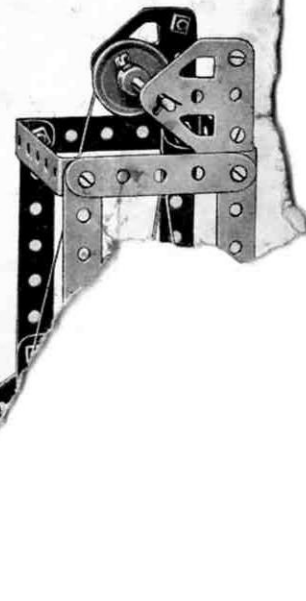
A77. Umpire's Seat

A68.
Breakdown
CraneA69.
Ladder

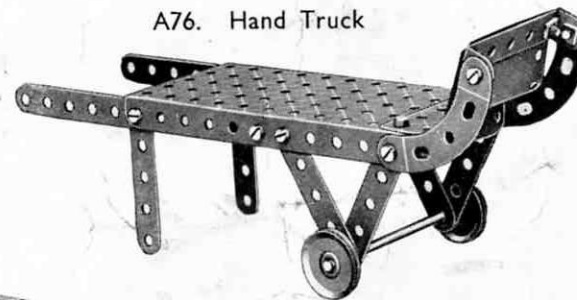
A72. Drilling Machine



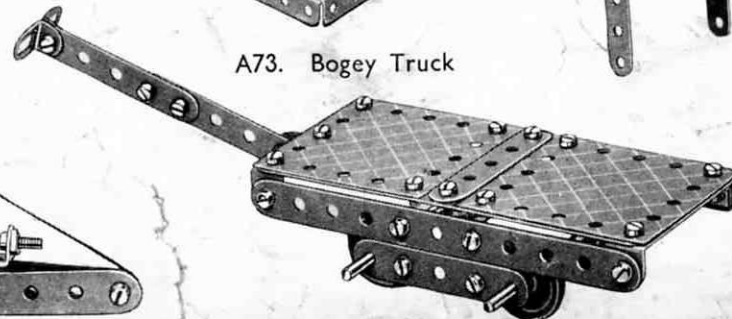
A75. Horse and Roller

A78.
Pit-head Gear

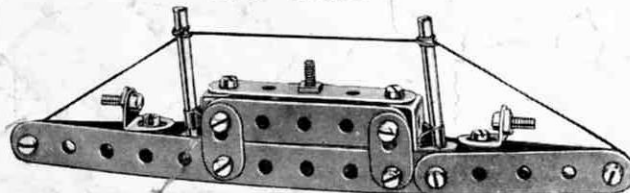
A76. Hand Truck



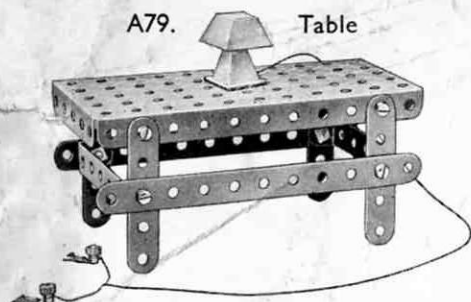
A73. Bogey Truck



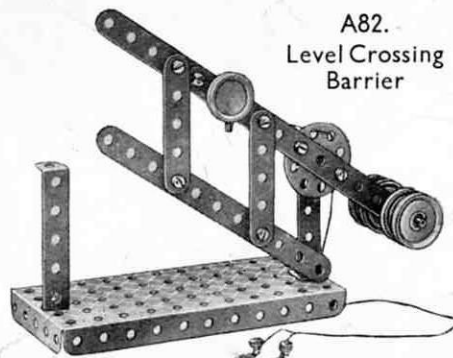
A70. Cruiser



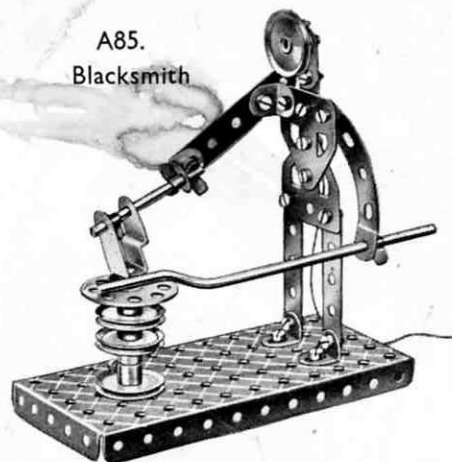
A79. Table



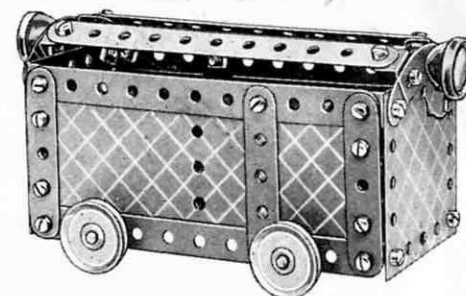
A82. Level Crossing Barrier



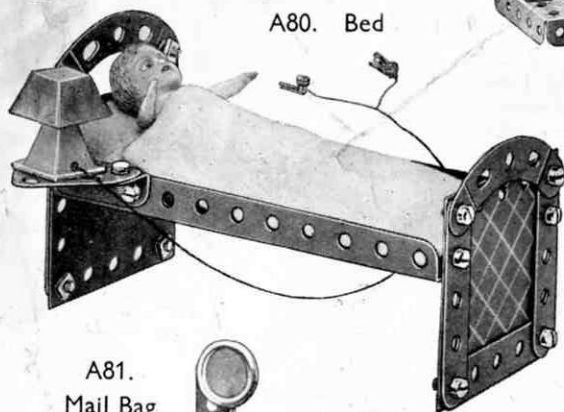
A85. Blacksmith



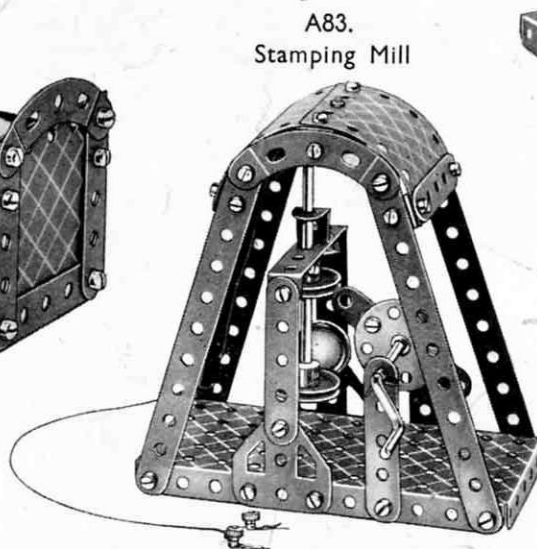
A88. Pullman Car



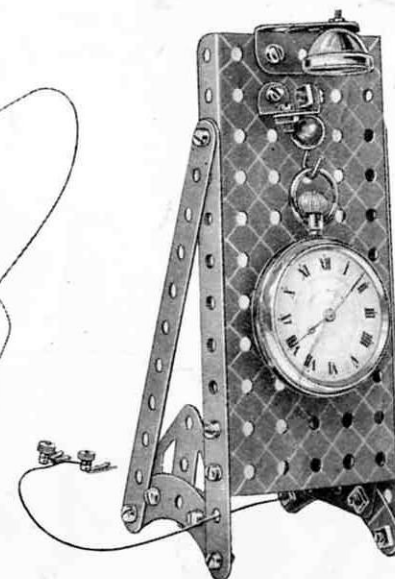
A80. Bed



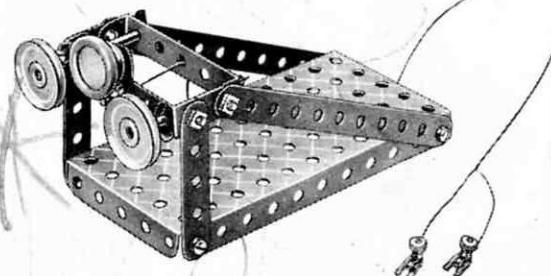
A83. Stamping Mill



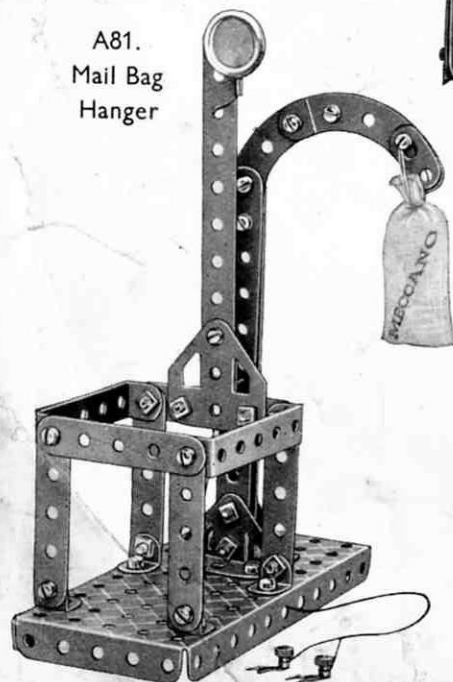
A89. Watch Stand



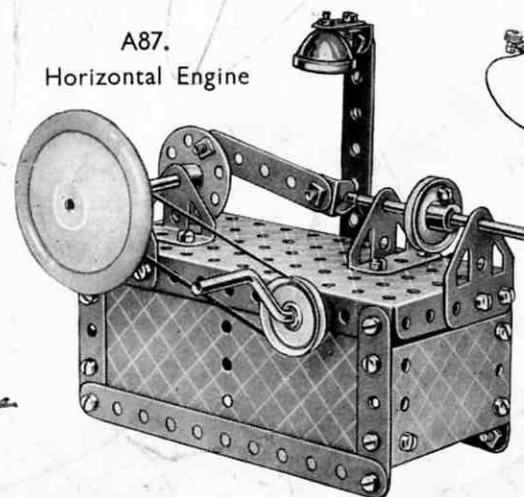
A86. Buffers



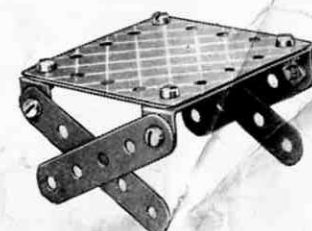
A81. Mail Bag Hanger



A87. Horizontal Engine

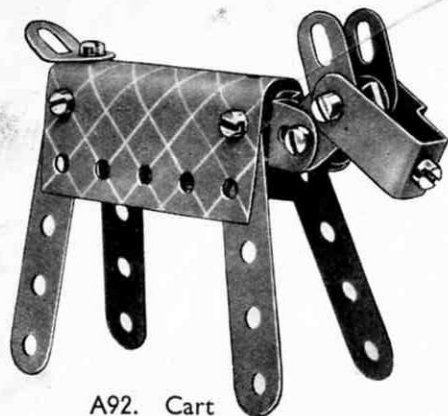


A90. Coffee Table



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

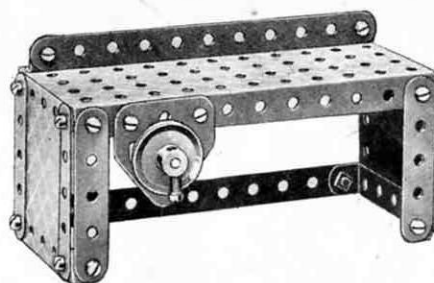
A91. Calf



A94. Grandfather Clock



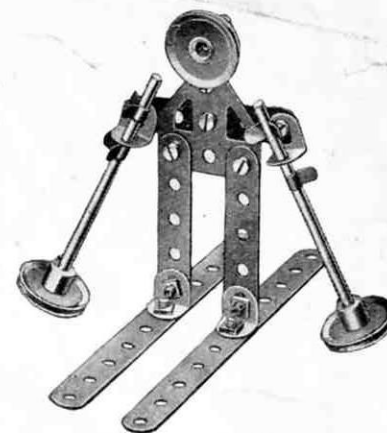
A95. Joiner's Bench



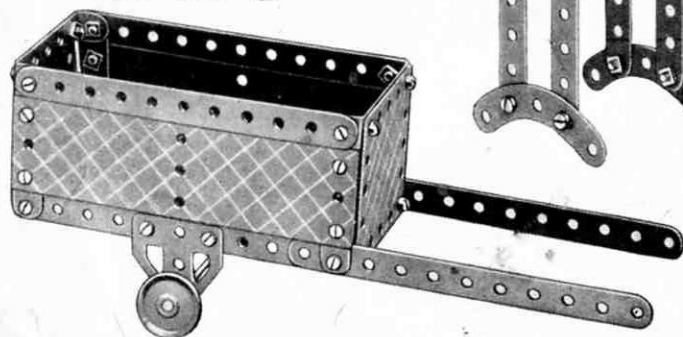
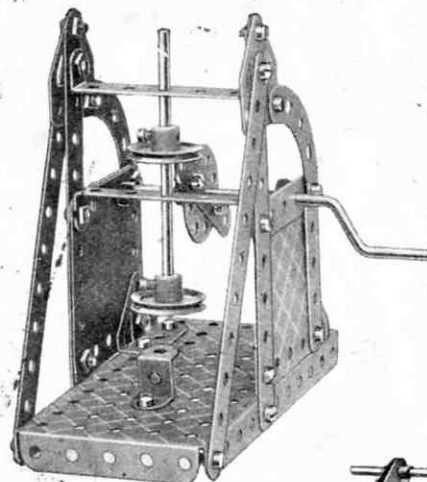
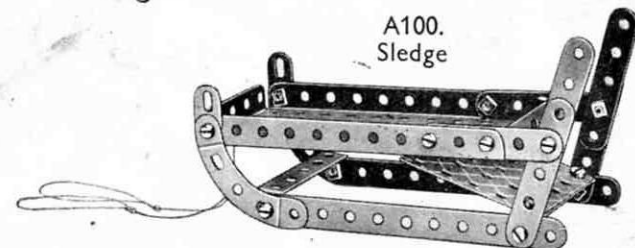
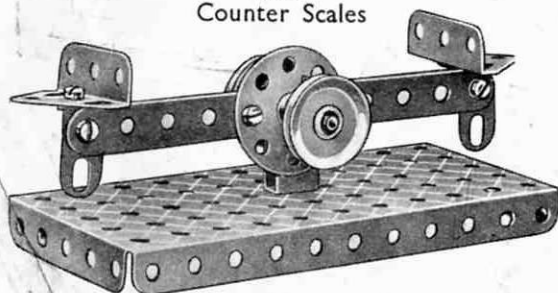
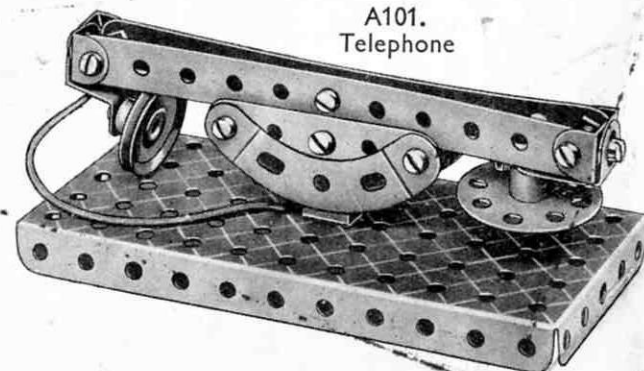
A98. Chair



A99. Skier



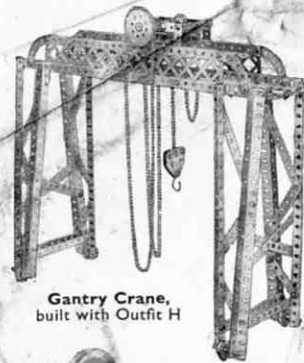
A92. Cart

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

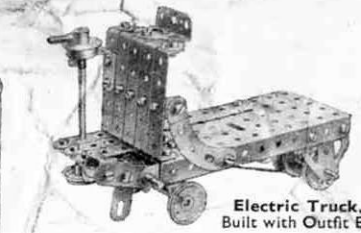
HOW TO CONTINUE

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.

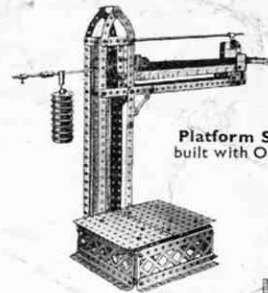
Build Bigger and Better Models



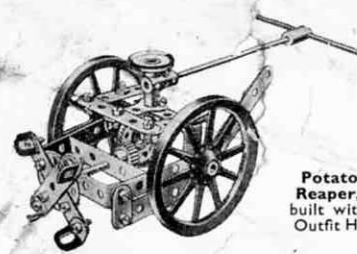
Gantry Crane,
built with Outfit H



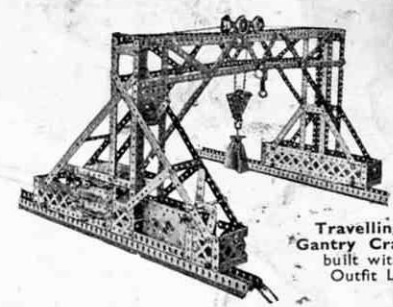
Electric Truck,
built with Outfit E



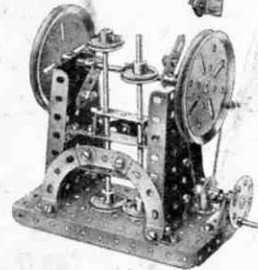
Platform Scales,
built with Outfit K



Potato Reaper,
built with Outfit H



Travelling Gantry Crane,
built with Outfit L



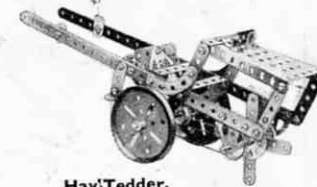
Stamping Mill,
built with Outfit E



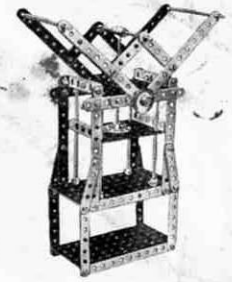
Tank Wagon,
built with Outfit F



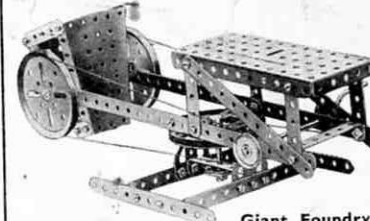
Turntable
built with Outfit E



Hay Tedder,
built with Outfit E



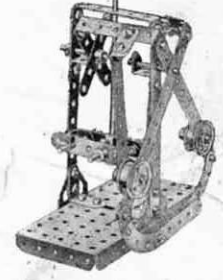
Bale Press,
built with Outfit G



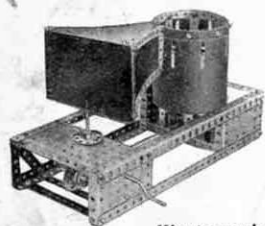
Giant Foundry Ladle,
built with Outfit C



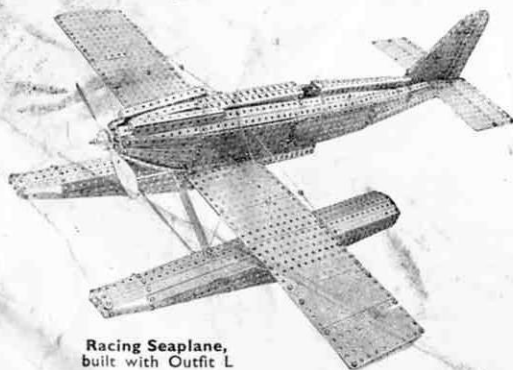
Letter Balance,
built with Outfit E



Mechanical Fret Saw,
built with Outfit H



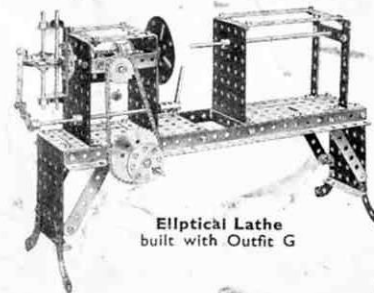
Kinetograph,
built with Outfit F



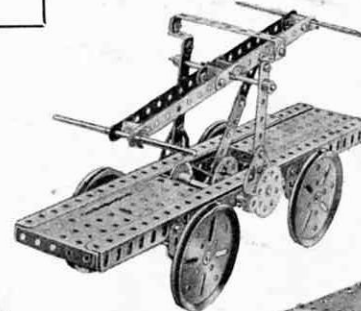
Racing Seaplane,
built with Outfit L



Tower Wagon,
built with Outfit F



Elliptical Lathe
built with Outfit G



Hand Trolley,
built with Outfit F



Field Guns and Carriage,
built with Outfit H



Delivery Van,
built with Outfit H

Keep Adding to your Outfit

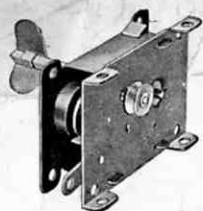
The more Meccano parts you have, the bigger and better the models you are able to build. Keen and enthusiastic model-builders keep adding to their Outfits, until they are able to build all the wonderful models shown in the Meccano Manuals.

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.

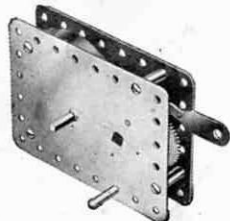
You can purchase separate Meccano parts as you require them, or, if you prefer, you can purchase Accessory Outfits that connect all the main Outfits.

MECCANO

POWER UNITS FOR OPERATING MECCANO MODELS



X Clockwork Motor



No. 1 Clockwork Motor



No. 2 Clockwork Motor



Resistance Controller



6-volt 20-amp. hr. Accumulator

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.

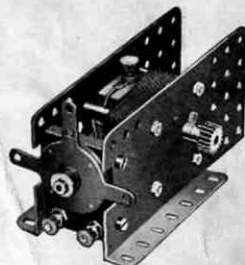
The 2-volt 20-amp. hr. Meccano Accumulator is supplied for converting 4-volt Accumulators to 6-volt.

Resistance Controller

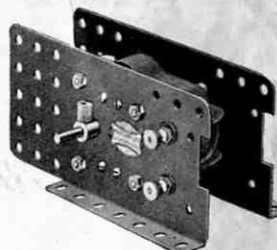
This Controller enables the speed of Meccano 6-volt and 20-volt Motors and Hornby 6-volt and 20-volt Electric Trains to be regulated as desired.



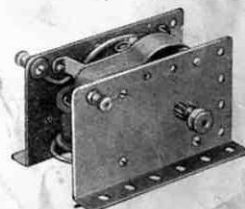
No. E1 Electric Motor (6-volt)



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

CONTENTS OF OUTFITS AND COMPLETE LIST OF MECCANO PARTS

No.	Description.	A	Ba	B	C	Ca	D	Da	E	Fa	F	Ga	G	Ha	H	Ka	K	L
1	Perforated Strips, 12"	—	2	2	4	6	10	—	10	—	10	6	10	14	16	8	30	38
1a	" " 9"	—	2	2	4	6	10	—	10	—	10	6	10	14	16	8	30	38
1b	" " 7"	—	2	2	4	6	10	—	10	—	10	6	10	14	16	8	30	38
2	" " 5"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
2a	" " 4"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
3	" " 3"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
4	" " 2"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
5	" " 1"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
6	" " 1/2"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
6a	" " 1/4"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
7	" " 1/8"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
7a	" " 1/16"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
8	" " 1/32"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
8a	" " 1/64"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
8b	" " 1/128"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
9	" " 1/256"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
9a	" " 1/512"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
9b	" " 1/1024"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
9c	" " 1/2048"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
9d	" " 1/4096"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
9e	" " 1/8192"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
9f	" " 1/16384"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
10	" " 1/32768"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
11	" " 1/65536"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
12	" " 1/131072"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
12a	" " 1/262144"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
12b	" " 1/524288"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
12c	" " 1/1048576"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
13	" " 1/2097152"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
13a	" " 1/4194304"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
14	" " 1/8388608"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
15	" " 1/16777216"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
15a	" " 1/33554432"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
15b	" " 1/67108864"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
16	" " 1/134217728"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
16a	" " 1/268435456"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
16b	" " 1/536870912"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
17	" " 1/1073741824"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
17a	" " 1/2147483648"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
18	" " 1/4294967296"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
18a	" " 1/8589934592"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
18b	" " 1/17179869184"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
19	" " 1/34359738368"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
19a	" " 1/68719476736"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
19b	" " 1/137438953472"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
19c	" " 1/274877906944"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
20	" " 1/549755813888"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
20a	" " 1/1099511627776"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
20b	" " 1/2199023255552"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
21	" " 1/4398046511104"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
22	" " 1/8796093022208"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
22a	" " 1/1759218644416"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
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24	" " 1/14073749155328"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
25	" " 1/28147498310656"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
25a	" " 1/56294996621312"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
25b	" " 1/112589993226224"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
26	" " 1/225179986452448"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
26a	" " 1/450359972904896"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
26b	" " 1/900719945809792"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
27	" " 1/1801439891619584"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
27a	" " 1/3602879783239168"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
27b	" " 1/7205759566478336"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
27c	" " 1/14411519132976672"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
28	" " 1/28823038265953344"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
29	" " 1/57646076531906688"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
30	" " 1/115292153063813376"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
30a	" " 1/230584306127626752"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
30b	" " 1/461168612255253504"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
30c	" " 1/922337224510507008"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
31	" " 1/1844674489021014016"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
32	" " 1/3689348978042028032"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
32a	" " 1/7378697956084056064"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
32b	" " 1/14757395912168112128"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
33	" " 1/29514791824336224256"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
33a	" " 1/59029583648672448512"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
33b	" " 1/118059167297344897024"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
33c	" " 1/236118334594697794048"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
34	" " 1/472236669189395588096"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
34a	" " 1/944473338378791176192"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
34b	" " 1/188894667757782352384"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
35	" " 1/377789335515564704768"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
35a	" " 1/755578671031129409536"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
35b	" " 1/1511157342062598019072"	—	2	2	8	8	14	—	14	—	18	2	2	8	26	10	16	13
36	" " 1/302231468412519603814																	

[illegible]

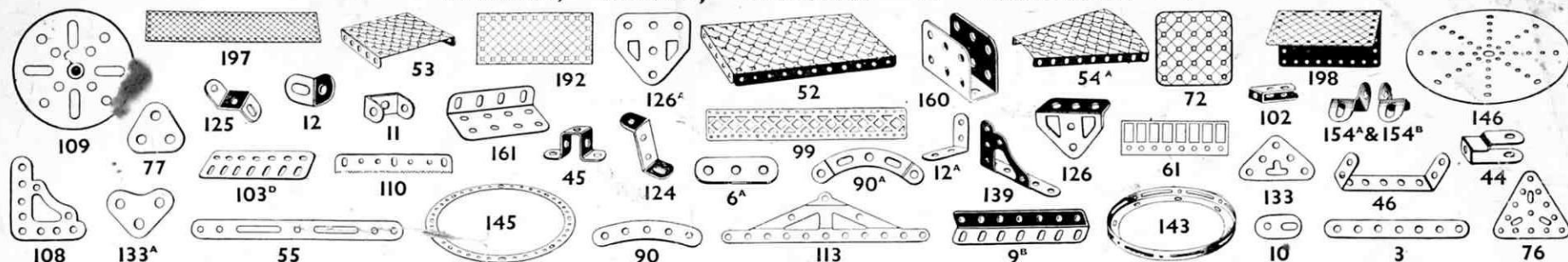
No.	Description.	A	Aa	B	Ba	C	Ca	D	Da	E	Ea	F	Fa	G	Ga	H	H ₂	K	Ka	L
142c	Motor, Tyres 1"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
142d	" " " " 1 1/2"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
143	" " " " 3/4" diam.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
144	Dog Clutches	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
145	" " " " 7" diam.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
146	" " " " 6" diam.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
146a	" " " " Plates, 4"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
147	Pawls with pivot bolt and nuts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
147a	Pawls	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
147b	Pivot Bolt with 2 Nuts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
147c	Pawl, without Boss	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
148	Ratchet Wheels	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
149	Collector Shoes for Locos	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
150	Crane Grabs	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
151	Pulley Blocks, 1 Sheave	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
152	" " " " 2 Sheaves	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
153	" " " " 3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
154a	Corner Angle Brackets, R.H.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
154b	" " " " L.H.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
155	Rubber Rings	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
156	Pointers, 2 1/2", with boss	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
157	Fans 2" diam.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
158a	Signal Arms, Home	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
158b	" " " " Distant	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
160	Channel Bearings, 1 1/2" x 1 1/2"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
161	Girder Brackets, 2" x 1" x 3/4"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
162	Boiler with ends, complete	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
162a	Boiler Ends	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
162b	Boilers without Ends	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
163	Sleeve Pieces	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
164	Chimney Adaptors	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
165	Swivel Bearings	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
166	End Bearings	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
167	Geared Roller Bearings	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
167a	Roller Races, Geared, 192 teeth	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
167b	Ring Frames for Rollers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
167c	Pinions	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
168	Ball Bearings, 4" diam.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
168a	Ball Races, Flanged Disc	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
168b	" " " " Toothed	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
168c	Ball Casings complete with Balls	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
169	Digger Buckets	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
170	Eccentrics 3/4" throw	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
171	Socket Couplings	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
172	Pendulum Connections	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
173	Rail Adaptors	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
174	Grease Cups	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
175	Flexible Coupling Units	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
176	Anchoring Springs for Cord	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
177	Shifting Standard, Large	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
178	" " " " Small	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
179	Rod Socket	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
180	Gear Ring 3 1/2"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
181	Bobbins	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
182	Insulating Bushes	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
183	Lamp Holders	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
184a	Lamps, 3 1/2" volt	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
184b	" " " " 10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
184c	" " " " 20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
184d	" " " " 20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
184e	Steering Bands	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
185	Drive Bands	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
186	Road Wheels	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
187	Flexible Plates	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
188	" " " " 2 1/2" x 1 1/2"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
189	" " " " 5" x 1"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
190	" " " " 2 1/2" x 2 1/2"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
191	" " " " 4" x 2"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
192	" " " " 5" x 2"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
193	" " " " 2 1/2" x 2 1/2"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
194	" " " " 3" x 2"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
195	" " " " 5" x 2"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
196	" " " " 9" x 2"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
197	" " " " 12" x 2"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
198	Hinged Flat Plates, 4 1/2" x 2 1/2"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1563	Terminals	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1570	Washers, insulating	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1575	6 B.A. Screws	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1583	6 B.A. Nuts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Clockwork Motor No. 2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Electric Motor No. E6 (6 volt)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Special Instruction Leaflets

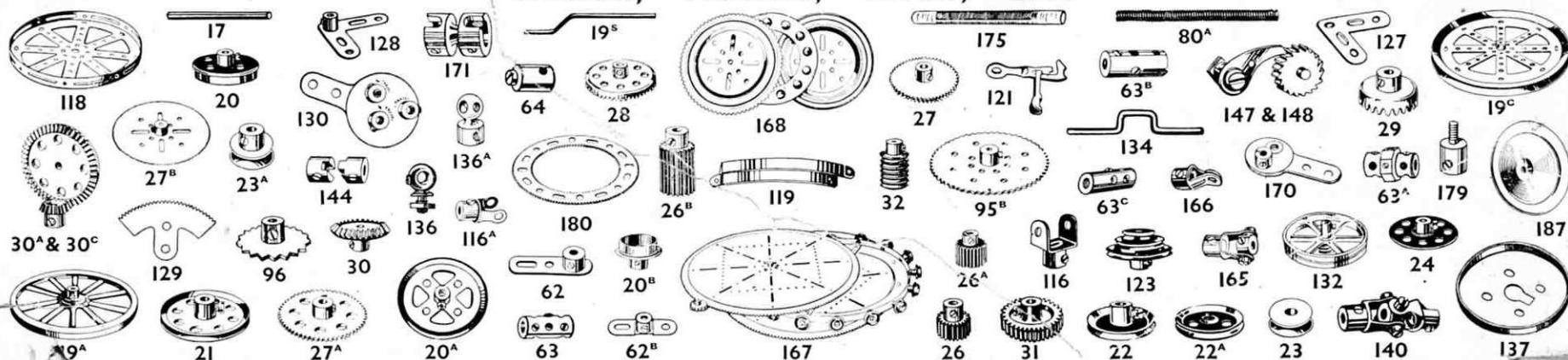
- No. 1 Motor Chassis
 2 High-speed Ship-Coaler
 3 Dredger
 4 Stiff Log Derrick
 5 Platform Scales
 6 Bagatelle Table
 7 Log Saw
 8 Stone-sawing Machine
 9 Meccanograph
 10 New Grandfather Clock
 11 New Loom
 12 Planing Machine
 13 Revolving Crane
 14 Steam Shovel
 15 Electric Mobile Crane
 16 Transporter Bridge
 17 Traction Engine
 18 Vertical Log Saw
 19 Travelling Gantry Crane
 20 Hydraulic Crane
 21 Twin-elliptic Harmonograph
 22 Pontoon Crane
 23 Hammerhead Crane
 24 Breakdown Crane
 25 Warehouse
 26 Automatic Grabbing Crane
 27 Electric Derrick Crane
 28 Howitzer Limber and Tractor

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

PLATES, STRIPS, GIRDERS & BRACKETS



WHEELS, PULLEYS, GEARS, ETC.



MISCELLANEOUS

