

# MECCANO

(TRADE MARKS 296321, 76, 12633, 10274, 55/13476, 569/13, 854/25, 2913, 80, 124, 336, 18066, 5403, 41812, 4174, 9043, 5549, 2389, 91637, 83171, 157149, 32822, 200639, 209733, 214061, 214062, 12892, 28094, 33316, 1818, 16737, 16900, 72288, 494933-4-5-6-7-8, 130420-1, 383/13, 5848, 50204, 10/12258, 22826, 18982, 20063/925, 2189, 7518, 499999).

HORNBY'S ORIGINAL SYSTEM—FIRST PATENTED IN 1901

## INSTRUCTIONS

FOR OUTFIT

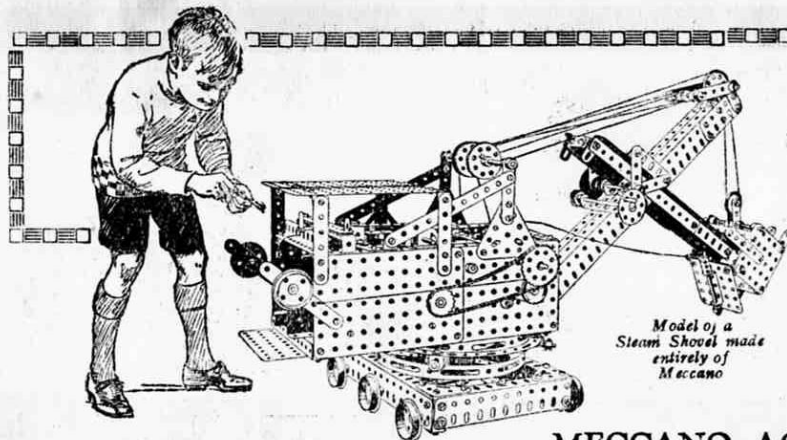
### No. 0



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No. 29.0

ENGLISH EDITION



Model of a  
Steam Shovel made  
entirely of  
Meccano

## A TALK WITH NEW MECCANO BOYS

The Meccano No. 00 Outfit is the first step in the Meccano system; then comes No. 0 with which hundreds of models can be made, each one a perfect reproduction of the real thing. After you have made all the models shown in this Manual you will want to build bigger models and you may do this by adding new parts to your Outfit or, by purchasing a No. 0A Accessory Outfit, you may convert your No. 0 into a No. 1. You will then be able to build many more models, including larger and better Cranes, Bridges, Wagons, Trucks, Windmills, etc.

### MECCANO ACCESSORY OUTFITS

It is important to remember that each Outfit may be converted into the one next higher by means of an Accessory Outfit. Your No. 0 Outfit is converted into a No. 1 by adding to it a No. 0A. A No. 1A will then convert it into a No. 2 and so on. As you progress in Meccano you obtain a greater variety of parts, Gear Wheels, Pulley Wheels, Worm Wheels, Couplings, Cranks, and many other perfectly-made engineering parts. These enable you to construct complicated mechanical movements without any difficulty. The most wonderful feature about Meccano is that it is *real engineering*; it is a fascinating and delightful hobby, and yet so simple that even an inexperienced boy may join in the fun without first having to study or learn anything.

### HOW TO BUILD WITH MECCANO

First build the models exactly as they are illustrated in the Manual, and then take each model and try to improve on our design. Every one can be made in a dozen different ways. Screw up all the nuts and bolts tightly to ensure that your models will be strong and firm when they are completed.

### IMPROVED MECCANO PARTS

You will observe that a number of models included in this Manual show the new style  $5\frac{1}{2}'' \times 2\frac{1}{2}''$  Flanged Plate (with flanges at the ends as well as the sides) and Improved Sector Plate (with two additional rows of holes), but it should be noted that, although the new parts are more adaptable, the old-style plates may still be used in their place if desired. When it is required to journal an Axle Rod in a slot in the new Flanged Plates, an ordinary Strip should first be bolted to the Plate so that one of its holes forms an additional bearing for the Rod.

### THE LIFE OF A MECCANO BOY

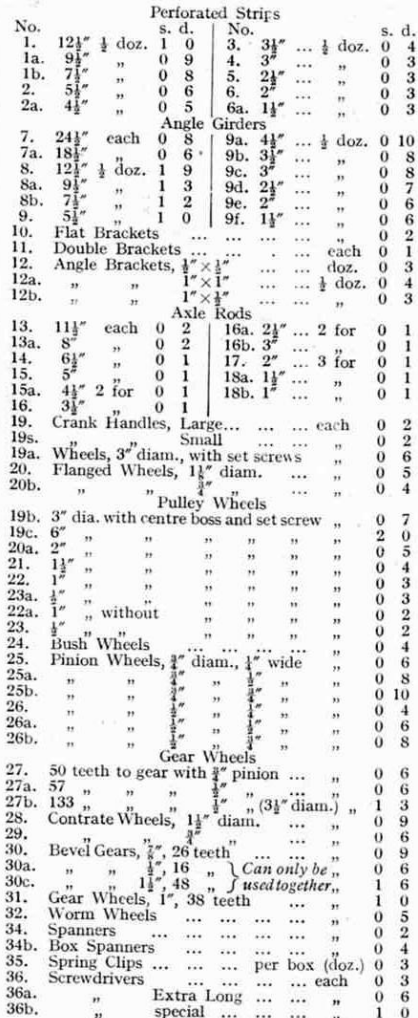
A Meccano boy is the happiest boy in the world. He builds models from the Meccano Instruction books; invents new models; enters the Competitions which are always being held in connection with the hobby; joins the Meccano Guild and a Meccano Club and by wearing the Guild badge proclaims himself to be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

The "Meccano Magazine" is the Meccano boy's newspaper. It tells him of the latest Meccano models; what Meccano Clubs are doing; how to correspond with other Meccano boys; the Competitions that are running, etc. It contains splendid articles on such subjects as Railways, Famous Engineers and Inventors, Electricity, Bridges, Cranes, Wonderful Machinery, Aeroplanes, Latest Patents, Radio, Stamps, Photography, Books and other topics of interest to boys, including suggestions for new Meccano parts and correspondence columns in which the Editor replies to his readers' enquiries. The publishing date is the 1st of each month.

Write to the Editor, "Meccano Magazine," Old Swan, Liverpool, enclosing 6d. in stamps. He will then forward a specimen copy of the "M.M." post free. If you wish to become a regular subscriber the rates are 4/- for six issues or 8/- for twelve issues, post free.

If you prefer to do so, you may order the Magazine from your Meccano dealer or from any newsagent or bookstall, price 6d.

## Particulars and Prices of Meccano Parts



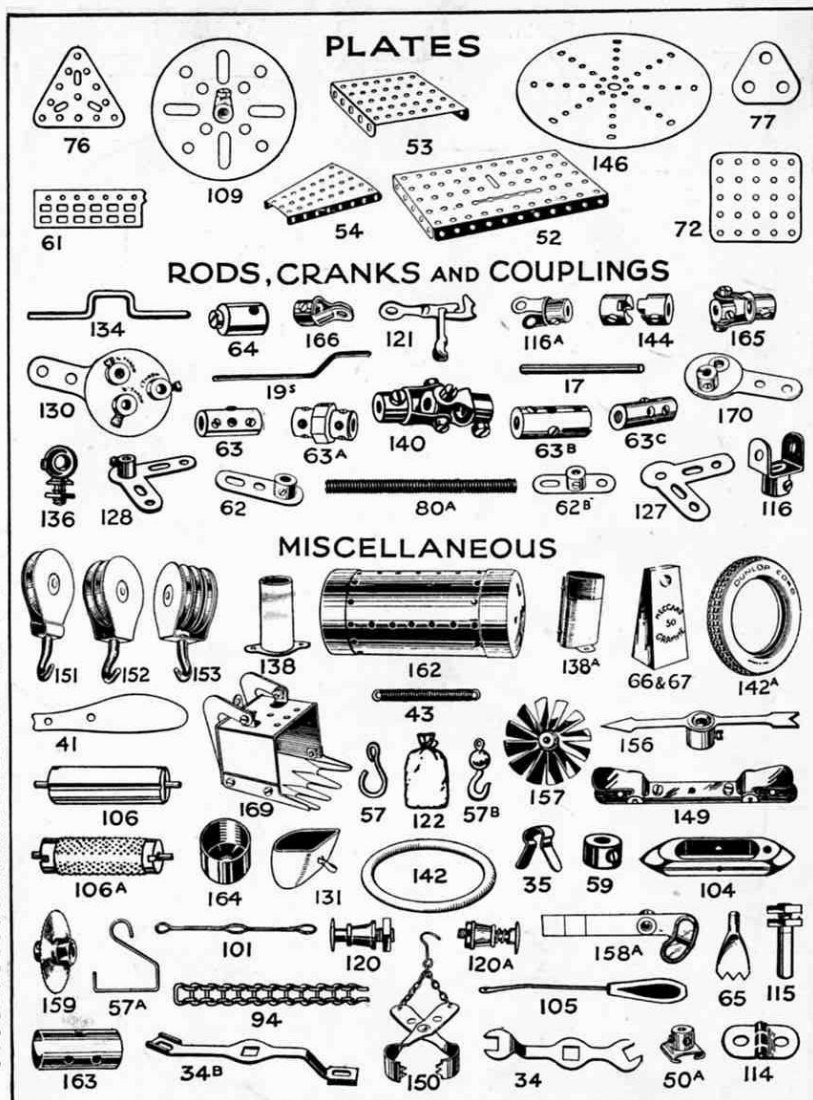
No.	Nuts and Bolts, 7/32"	per box (doz.)	s. d.
37a.	Nuts	"	0 6
37b.	Bolts, 7/32"	"	0 3
38.	Washers	"	0 3
40.	Hanks of Cord	2 for pair	0 1
41.	Propeller Blades	each	0 3
43.	Springs	"	0 2
44.	Cranked Bent Strips	"	0 1
45.	Double	"	0 1
46.	" Angle Strips	2 1/2" x 1 1/2"	0 6
47.	"	2 1/2" x 1 1/2"	0 9
47a.	"	3 1/2" x 1 1/2"	0 10
48.	"	2 1/2" x 1 1/2"	0 4
48a.	"	2 1/2" x 1 1/2"	0 5
48b.	"	2 1/2" x 1 1/2"	0 6
48c.	"	2 1/2" x 1 1/2"	0 9
48d.	"	2 1/2" x 1 1/2"	0 9
50a.	Eye Pieces, with boss	each	0 4
52.	Perforated Flanged Plates, 5 1/2" x 2 1/2"	"	0 5
52a.	Flat Plates, 5 1/2" x 3 1/2"	"	0 3
53.	Perforated Flanged Plates, 3 1/2" x 2 1/2"	"	0 3
53a.	Flat Plates, 4 1/2" x 2 1/2"	"	0 3
54.	Perforated Flanged Sector Plates	"	0 3
55.	" Strips, slotted, 5 1/2" long	"	0 2
55a.	"	"	0 1
56.	Instruction Manuals, No. 4-7	"	1 6
56a.	" " No. 00-3	"	1 6
56b.	" " No. 0	"	0 6
56c.	Meccano Standard Mechanisms Manual	"	1 0
56d.	Book of New Models	"	0 6
56f.	Bound Manual	"	7 6
57.	Hooks	2 for pair	0 1
57a.	" Scientific	"	0 1
57b.	" Loaded	"	0 3
58.	Spring Cord	per length	0 9
58a.	Coupling Screws for Spring Cord	doz.	0 6
59.	Collars with Set Screws	2 for pair	0 3
61.	Windmill Sails	4 for pair	0 3
62a.	Cranks	each	0 4
62b.	Threaded Cranks	"	0 3
62c.	Double Arm Cranks	"	0 6
63a.	Couplings	"	0 8
63b.	Octagonal Couplings	"	0 8
63c.	Strip Couplings	"	0 8
64.	Threaded Couplings	"	0 6
65.	" Bosses	"	0 2
66.	Centre Forks	"	1 0
67.	Weights, 50 grammes	"	1 0
68.	Weights, 25	"	0 3
69a.	Wood Screws, 1 1/2"	doz.	0 3
69b.	Set Screws	"	0 3
70.	Grub Screws, 5/32"	"	0 4
71.	" 7/32"	"	0 5
72.	Flat Plates, 5 1/2" x 2 1/2"	each	0 4
73.	" 2 1/2" x 2 1/2"	"	0 2
74.	Triangular Plates, 2 1/2"	"	0 2
75.	" 1 1/2"	"	0 1
76.	" Screwed Rods	"	0 3
77.	8"	each	0 3
78.	3"	"	0 5
79a.	8"	"	0 4
80.	5"	"	0 3
81.	5 1/2" Curved Strips, 10"	each	0 1

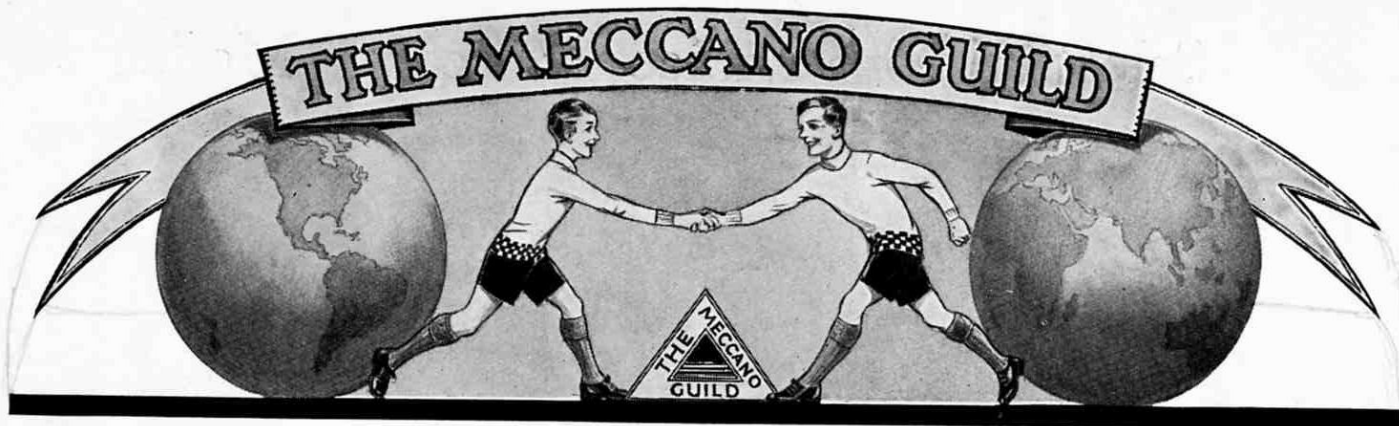
## Particulars and Prices of Meccano Parts (continued)

No.		s. d.	No.		s. d.
89a.	3" Curved Strips, cranked, 1 1/2" radius, 4 to circle	each 0 2	127.	Simple Bell Cranks	each 0 1
90.	2 1/2" " " 2 1/2" radius	" 0 1	128.	Boss Bell Cranks	" 0 3
90a.	2 1/2" " " cranked, 1 1/2" radius, 4 to circle	" 0 1	129.	Rack Segments, 3" diam.	" 0 5
94.	Sprocket Chain	per 40" length 0 6	130.	Eccentrics, Triple Throw	" 1 0
95.	" Wheels, 2" diam.	each 0 5	131.	Dredger Buckets	1/2 doz. 1 0
95a.	" " 1 1/2" " "	" 0 4	132.	Flywheels, 2 1/2" diam.	each 2 0
95b.	" " 3" " "	" 0 6	133.	Corner Brackets	" 0 1
96.	" " 1" " "	" 0 3	134.	Crank Shafts, 1" stroke	" 0 2
96a.	" " 3/4" " "	" 0 3	135.	Theodolite Protractors	" 0 3
97.	Braced Girders, 3 1/2" long	1/2 doz. 0 8	136.	Handrail Supports	" 0 3
97a.	" " 3" " "	" 0 8	137.	Wheel Flanges	" 0 3
98.	" " 2 1/2" " "	" 0 8	138.	Ship's Funnels	" 0 3
99.	" " 12 1/2" " "	" 2 6	138a.	" " Cunard type	" 0 2
99a.	" " 9 1/2" " "	" 2 0	139.	Flanged Brackets (right)	" 0 2
99b.	" " 7 1/2" " "	" 2 0	139a.	" (left)	" 0 2
100.	" " 5 1/2" " "	" 1 0	140.	Universal Couplings	" 0 10
100a.	" " 4 1/2" " "	" 0 10	141.	Wire Lines (for suspending clock weights)	" 0 9
101.	Heads, for looms	doz. 0 9	142.	Rubber Rings, 3" rim	" 0 3
102.	Single Bent Strips	each 0 1	142a.	Dunlop Tyre to fit 2" diam. rim	" 0 4
103.	Flat Girders, 5 1/2" long	1/2 doz. 0 10	142b.	" to fit 3" " "	" 0 6
103a.	" " 9 1/2" " "	" 1 2	143.	Circular Girders, 5 1/2" diam.	" 1 0
103b.	" " 12 1/2" " "	" 1 3	144.	Dog Clutches	" 0 6
103c.	" " 4 1/2" " "	" 0 9	145.	Circular Strips, 7" diam. over all	" 0 9
103d.	" " 3 1/2" " "	" 0 7	146.	" Plates, 6"	" 1 0
103e.	" " 3" " "	" 0 6	147.	Pawls, with pivot bolt and nuts	" 0 3
103f.	" " 2 1/2" " "	" 0 5	147a.	Pawls	" 0 2
103g.	" " 2" " "	" 0 4	147b.	Pivot Bolt with 2 nuts	" 0 2
103h.	" " 1 1/2" " "	" 0 4	148.	Ratchet Wheels	" 0 6
103k.	" " 7/8" " "	" 1 0	149.	Collecting Shoes, for Electric Locomotives	" 1 6
104.	Shuttles, for looms	each 7 6	150.	Crane Grabs	" 0 7
105.	Reed Hooks, for looms	" 0 4	151.	Pulley Blocks, Single Sheave	" 0 8
106.	Wood Rollers	" 1 6	152.	" " Two	" 0 9
106a.	Sand Rollers	" 1 9	153.	" " Three	" 1 0
107.	Tables for Designing Machines	" 1 6	154a.	Corner Angle Brackets, 1/2", right hand	1/2 doz. 0 6
108.	Architraves	" 0 2	154b.	Corner Angle Brackets, 1/2", left hand	" 0 6
109.	Face Plates, 2 1/2" diam.	" 0 4	155.	Rubber Rings, 1/2"	each 0 1
110.	Rack Strips, 3 1/2"	" 0 2	156.	Pointers, 2 1/2" over all, with boss	" 0 4
110a.	" " 6 1/2" " "	" 0 3	157.	Fans, 2" diam.	" 0 4
111.	Bolts, " "	2 for 0 1	158a.	Signal Arms, Home	" 0 5
111a.	" " " "	3 for 0 1	158b.	" " Distant	" 0 5
111c.	" " " "	doz. 0 3	159.	Circular Saws	" 1 0
113.	Girder Frames	each 0 3	160.	Channel Bearings, 1 1/2" x 1" x 1/2"	" 0 2
114.	Hinges	per pair 0 4	161.	Girder Brackets, 2" x 1" x 1/2"	2 for 0 3
115.	Threaded Pins	each 0 2	162.	Boiler complete with ends	each 1 0
116.	Fork Pieces, Large	" 0 3	162a.	" ends	" 0 3
116a.	" Small	" 0 3	163.	Sleeve Pieces	per pair 0 6
117.	Steel Balls, 1/2" diam.	doz. 0 6	164.	Chimney Adaptors	each 0 2
118.	Hub Discs, 5 1/2"	each 1 3	165.	Swivel Bearings	" 0 6
119.	Channel Segments (8 to circle, 1 1/2" diam.)	" 0 4	166.	End	" 0 3
120.	Buffers	" 0 2	167.	Geared Roller Bearings	20 0
120a.	Spring Buffers	per pair 0 8	167a.	Roller Races, geared, 192 teeth	" 4 6
120b.	Compression Springs	each 0 1	167b.	Ring Frames for Rollers	" 3 0
121.	Train Couplings	" 0 2	167c.	Pinions for Roller Bearings, 16 teeth	" 1 0
122.	Miniature Loaded Sacks	" 0 2	168.	Ball Bearings, 4" diam.	" 0 6
123.	Cone Pulleys	" 1 3	168a.	" Races, flanged	" 0 9
124.	Reversed Angle Brackets, 1"	1/2 doz. 0 4	168b.	" " geared	" 1 9
125.	" " 1 1/2" " "	" 0 3	168c.	" Casings, complete with balls	" 2 0
126.	Trunnions	each 0 2	169.	Digger Buckets	" 0 9
126a.	Flat Trunnions	" 0 1	170.	Eccentrics, 1/2" throw	" 0 9
			171.	Socket couplings	" 0 9

As new parts are frequently added to the Meccano system, the foregoing list is not necessarily complete.

The latest illustrated list is obtainable free from your dealer on request.





## WHAT THE GUILD MEANS

THE Meccano Guild is an organisation for boys, started at the request of boys, and conducted as far as possible by boys. In joining the Guild a Meccano boy becomes a member of a great brotherhood of world-wide extent, every member of which has promised to observe its three great objects:—

- (1) *To make every boy's life brighter and happier.*
- (2) *To foster clean-mindedness, truthfulness, ambition, and initiative in boys.*
- (3) *To encourage boys in the pursuit of their studies and hobbies, and especially in the development of their knowledge of mechanical and engineering principles.*

## HOW TO BECOME A MEMBER

MEMBERSHIP of the Guild is open to every boy possessing a Meccano Outfit, or Hornby Train Set, who satisfactorily fills in the prescribed application form. The only conditions are that members promise to observe the objects of the Guild and to wear their badges on all possible occasions.

The price of the Guild membership badge is 7d. post free in the United Kingdom, and 1/- post free overseas. Boys overseas should ask their dealers for the name and address of the Meccano Agent in their country, who will be pleased to enrol them. A remittance for the necessary amount should be sent along with the form of application. The Guild badge is beautifully enamelled in blue and white and is made for wearing in the lapel of the coat.

## MECCANO CLUBS

MECCANO CLUBS are founded and established under the guidance of the Guild Secretary at Headquarters and at the present time there are nearly 250 affiliated Clubs in various towns and villages throughout the world. Each Club has its Leader, Secretary, Treasurer, and other officials all of whom, with the exception of the Leader, are boys. Write for information how to form a Club, if there is no Club near you.

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



BADGE OF  
MEMBERSHIP



GUILD  
LEADER'S  
BADGE



MECCANO GUILD  
MEMBER'S CERTIFICATE

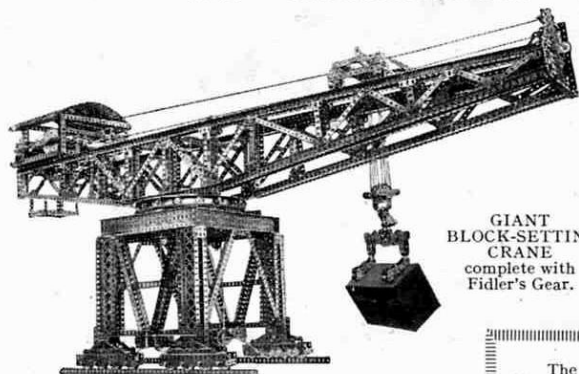


RECRUITING MEDALLION

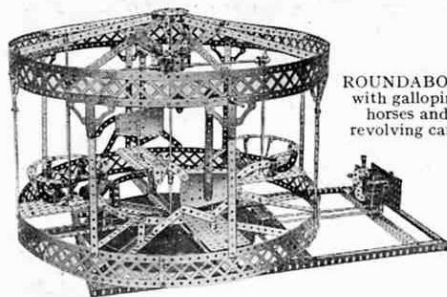


SPECIAL MERIT MEDALLION

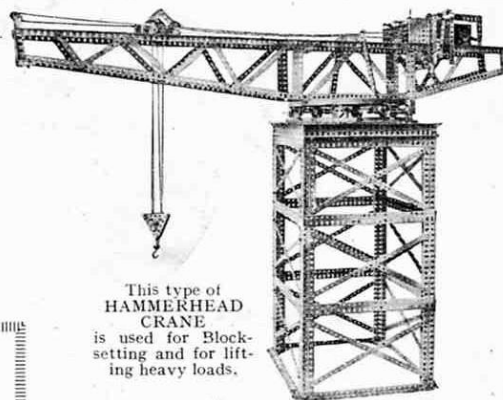
# A Selection of Choice Meccano Models



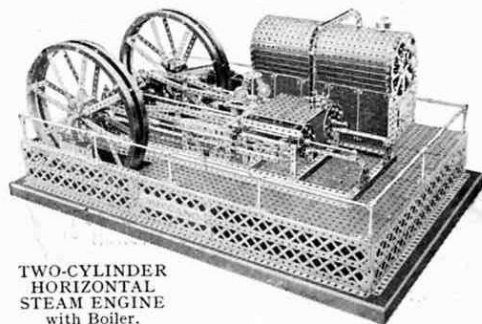
**GIANT  
BLOCK-SETTING  
CRANE**  
complete with  
Fidler's Gear.



**ROUNDBABOUT**  
with galloping  
horses and  
revolving cars.



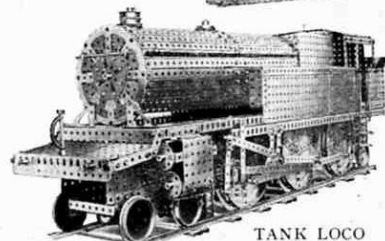
This type of  
**HAMMERHEAD  
CRANE**  
is used for Block-  
setting and for lift-  
ing heavy loads.



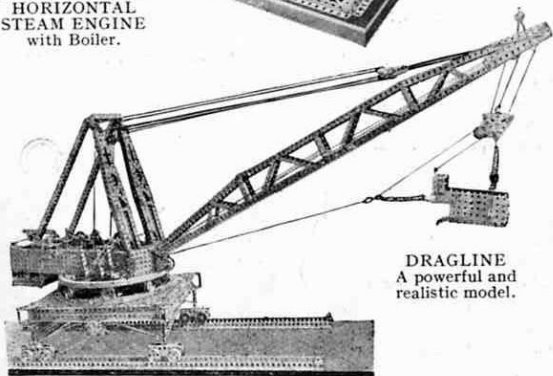
**TWO-CYLINDER  
HORIZONTAL  
STEAM ENGINE**  
with Boiler.

The models illustrated on this page show the wonderful possibilities of Meccano. They comprise a selection from a range of super models that have been specially built for the delight of Meccano boys.

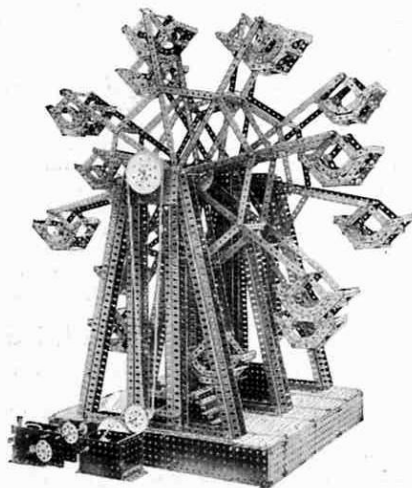
A descriptive leaflet giving full particulars of all the models in the series and the prices of the special Instruction Leaflets that are published in connection with them, may be obtained from your dealer or direct from Meccano Ltd., Binns Road, Old Swan, Liverpool.



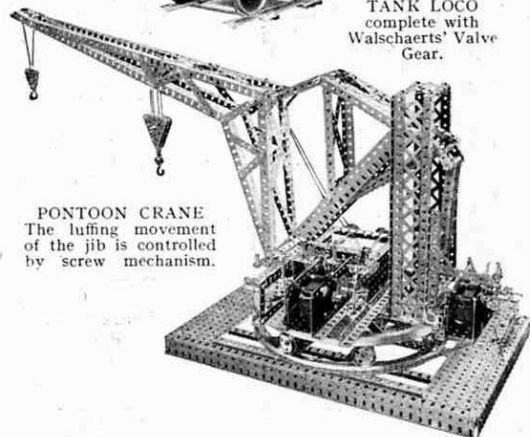
**TANK LOCO**  
complete with  
Walschaerts' Valve  
Gear.



**DRAGLINE**  
A powerful and  
realistic model.



**DOUBLE FLYBOATS.** This is a most  
impressive model when in motion.

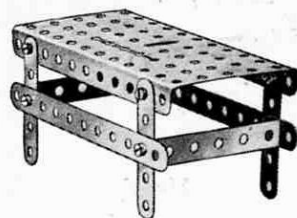


**PONTOON CRANE**  
The luffing movement  
of the jib is controlled  
by screw mechanism.

All these Models can be built with MECCANO Outfit No. 00

5

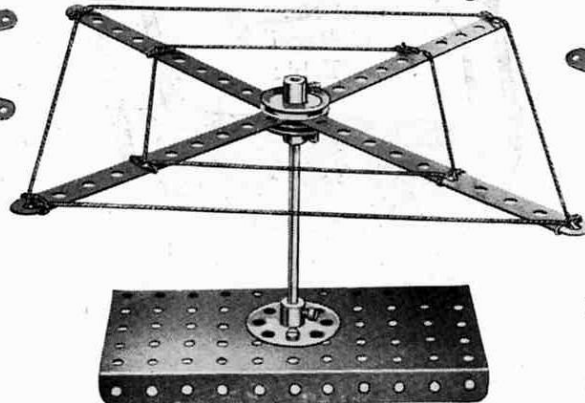
Model No. 00.1 Table



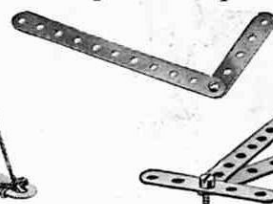
Model No. 00.2 Dividers



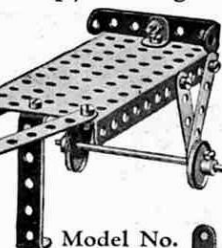
Model No. 00.4 Clothes Hanger



Model No. 00.5  
Carpenter's Square



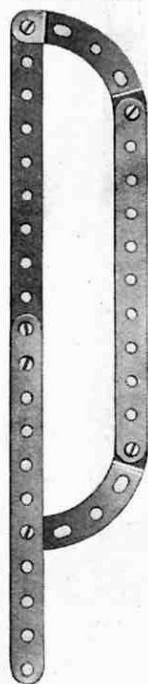
Model No. 00.7  
Shipyards Bogie



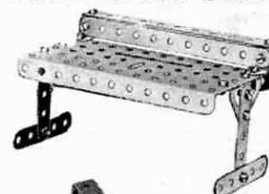
Model No. 00.3  
Bench



Model No. 00.8  
Meat Saw



Model No. 00.6 Desk

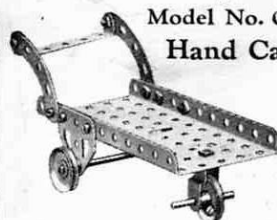


Model No.  
00.15  
Rifle with  
Bayonet

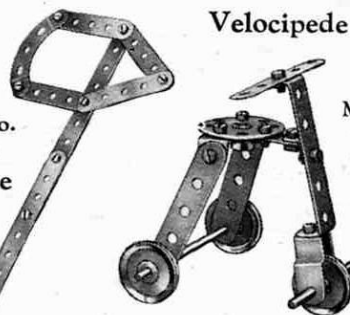
Model No. 00.14  
Farm Sight



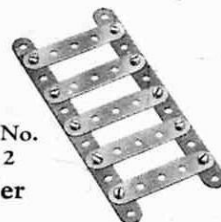
Model No. 00.9  
Hand Cart



Model No. 00.11  
Velocipede



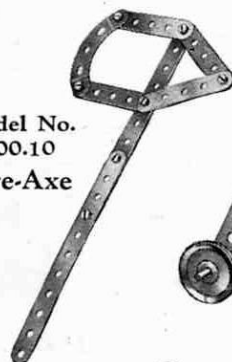
Model No.  
00.12  
Ladder



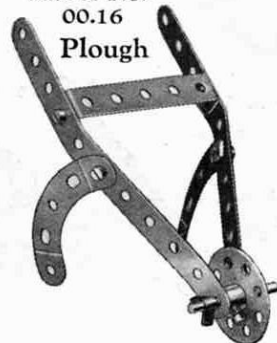
Model No.  
00.13  
Trowel



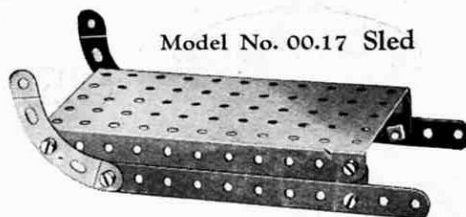
Model No.  
00.10  
Fire-Axe



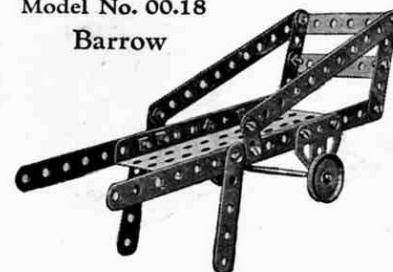
Model No.  
00.16  
Plough



Model No. 00.17 Sled

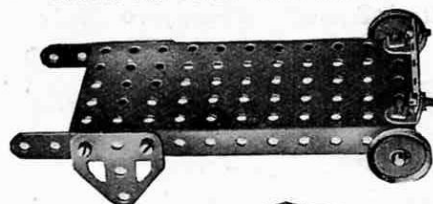


Model No. 00.18  
Barrow



All these Models can be built with MECCANO Outfit No. 00

Model No. 00.19 Flat Truck



Model No.  
00.20  
Spade



Model No. 00.22 Motor Boat

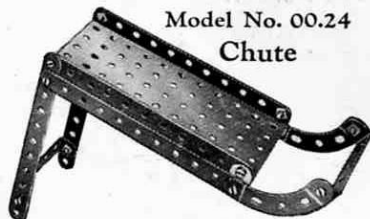


Model No.  
00.23

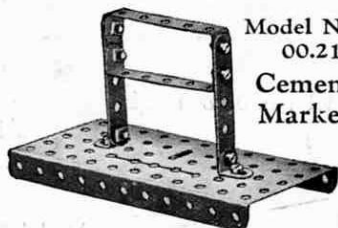
Plasterer's  
Hawk



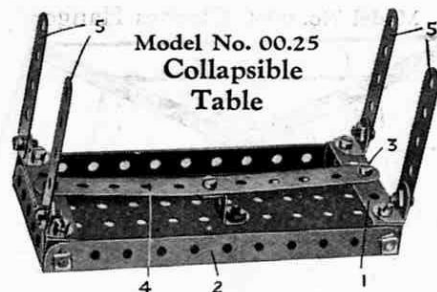
Model No. 00.24  
Chute



Model No.  
00.21  
Cement  
Marker



Model No. 00.25  
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. 00.25A.

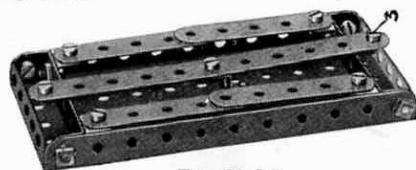
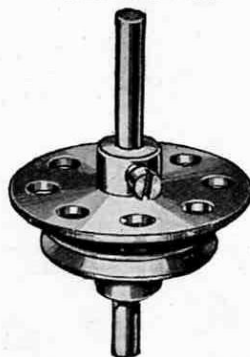
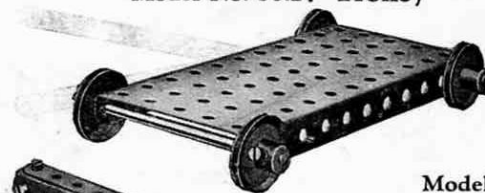


Fig. 00.25A

Model No. 00.26  
Spinning Top



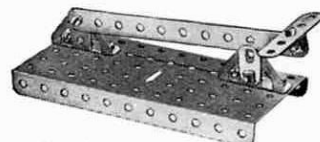
Model No. 00.27 Trolley



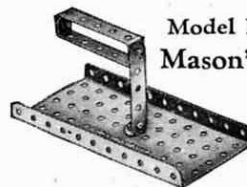
Model No. 00.28  
Lewis Gun



Model No. 00.30 Switch



Model No. 00.31  
Mason's Trowel



Model No. 00.32  
Baggage Cart

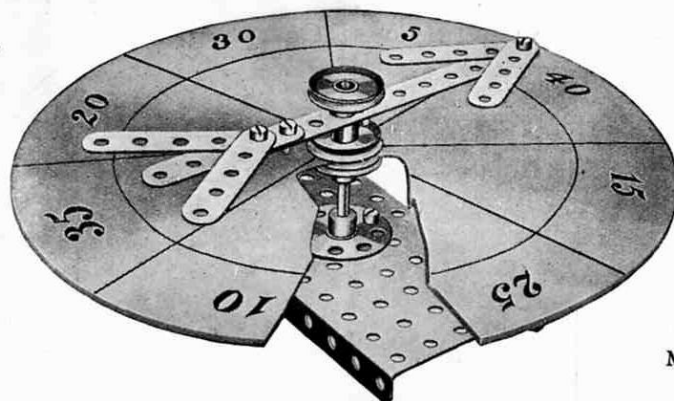


Model No.  
00.29  
Chopper  
Potato



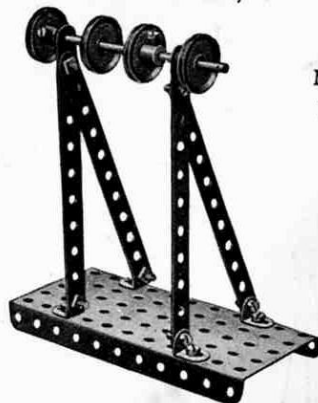
All these Models can be built with MECCANO Outfit No. 00

Model No. 00.38 Roulette Wheel



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

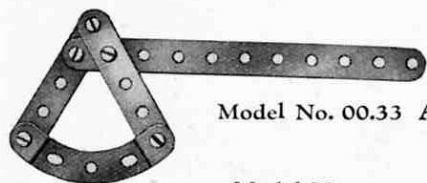
Model No. 00.39 Pulley Shafting



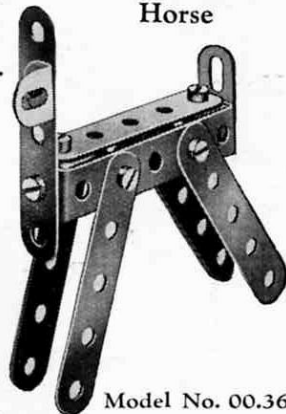
Model No. 00.41 Two-Hand Saw



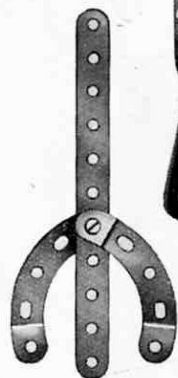
Model No. 00.33 Axe



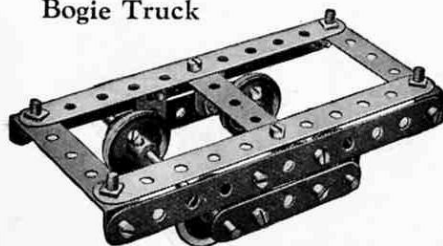
Model No. 00.35 Horse



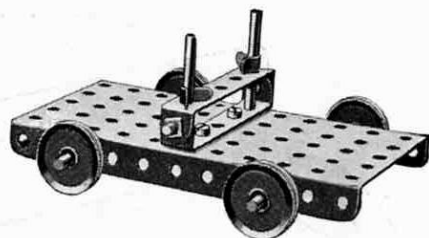
Model No. 00.34 Fork



Model No. 00.37 Bogie Truck



Model No. 00.36 Timber Truck



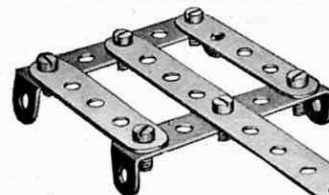
Model No. 00.42 Coat Hanger



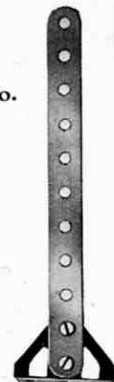
Model No. 00.43 Roman Balance



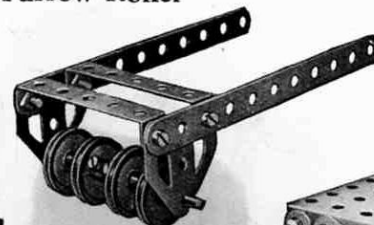
Model No. 00.44 Grill



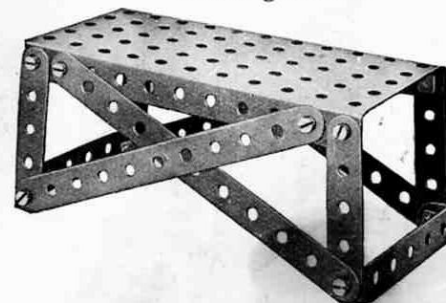
Model No. 00.45 Hoe



Model No. 00.40 Furrow Roller

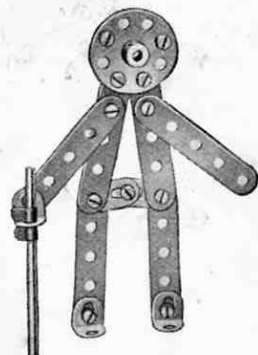


Model No. 00.46 Planing Bench

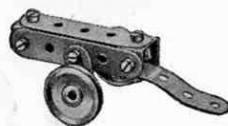


All these Models can be built with MECCANO Outfit No. 00

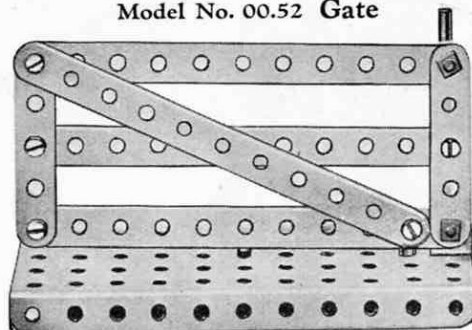
Model No. 00.47  
Meccano Man



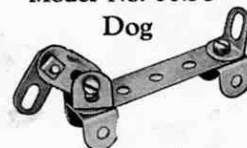
Model No. 00.48  
Cannon



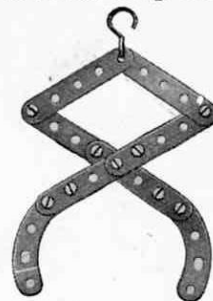
Model No. 00.52 Gate



Model No. 00.56  
Dog



Model No. 00.57  
Friction Grip Tongs



Model No. 00.58  
Clothes Horse



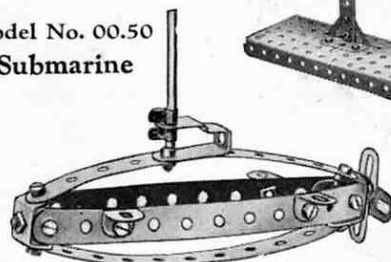
Model No.  
00.49  
Birdcage  
and  
Stand



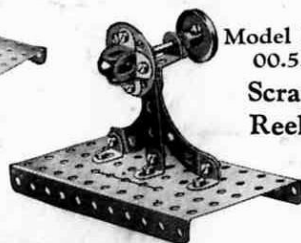
Model No. 00.59  
Rake



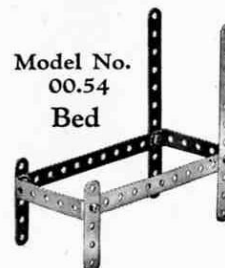
Model No. 00.50  
Submarine



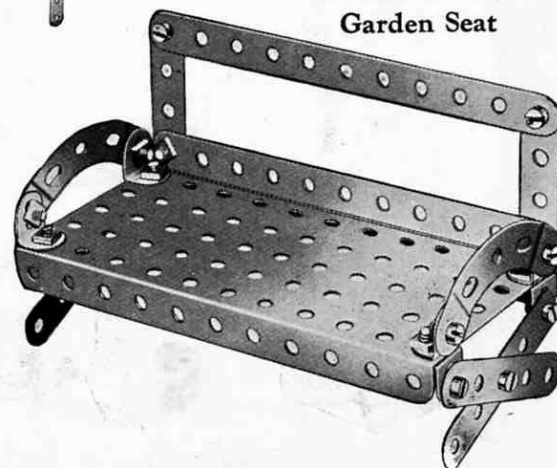
Model No.  
00.53  
Scrap  
Reel



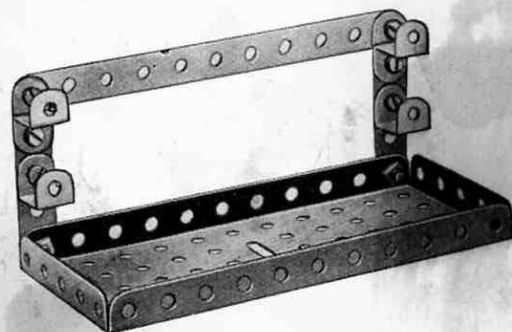
Model No.  
00.54  
Bed



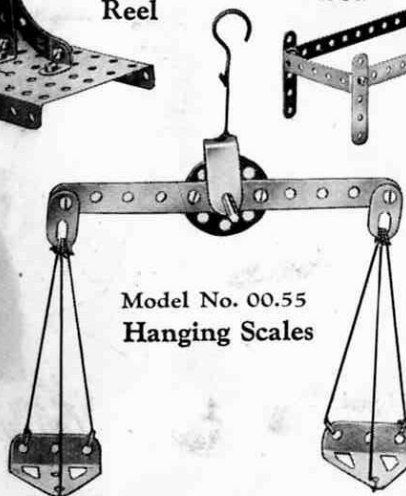
Model No. 00.60  
Garden Seat



Model No. 00.51 Pen Rack



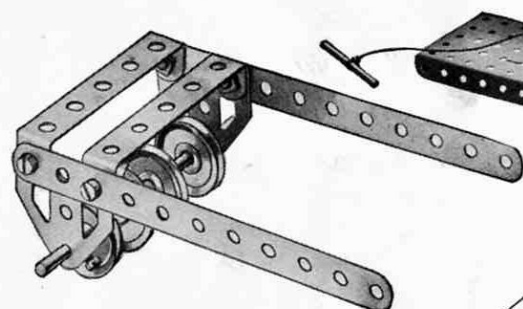
Model No. 00.55  
Hanging Scales



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Model No. 00.61 Field Roller



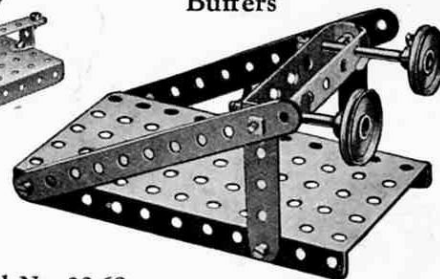
Model No. 00.62 Cheese Cutter



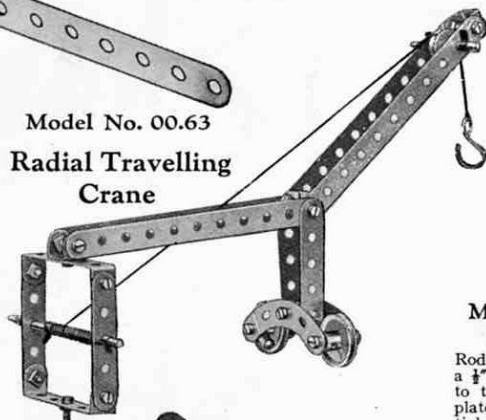
Model No. 00.67 Telegraph Key



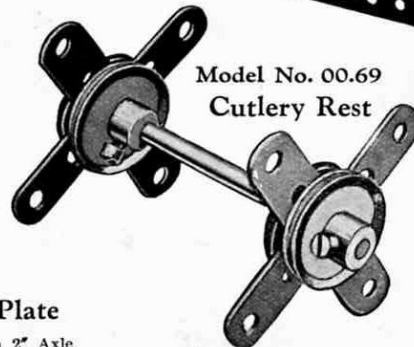
Model No. 00.68 Buffers



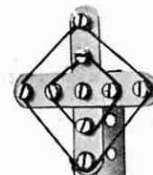
Model No. 00.63 Radial Travelling Crane



Model No. 00.69 Cutlery Rest

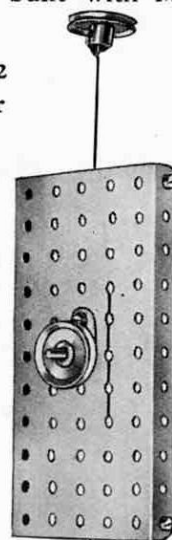


Model No. 00.71 Frame Aerial

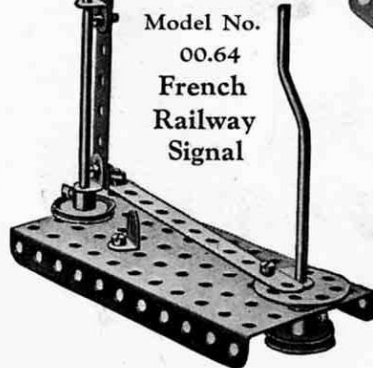


Model No. 00.66 Magic Plate

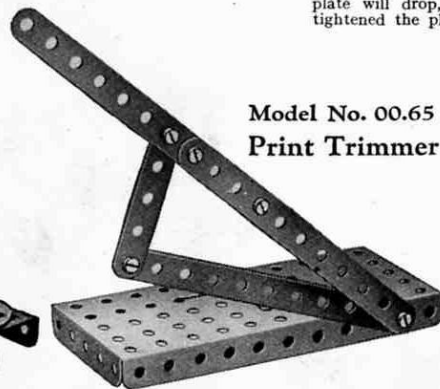
The cord is wound once round a 2" Axle Rod that is journalled in a Flat Bracket and a  $\frac{1}{4}$ " Reversed Angle Bracket, which are bolted to the Plate. If the cord is held loosely the plate will drop, but as soon as the cord is tightened the plate becomes immovable.



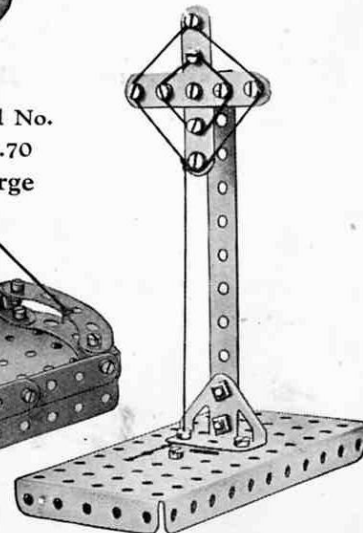
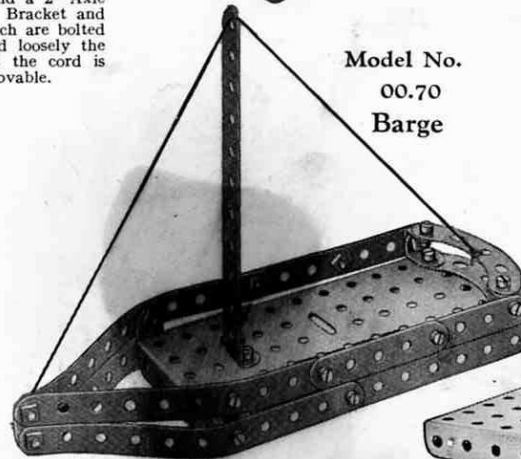
Model No. 00.64 French Railway Signal



Model No. 00.65 Print Trimmer

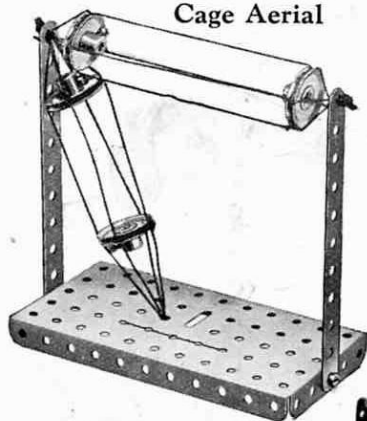


Model No. 00.70 Barge



All these Models can be built with MECCANO Outfit No. 00

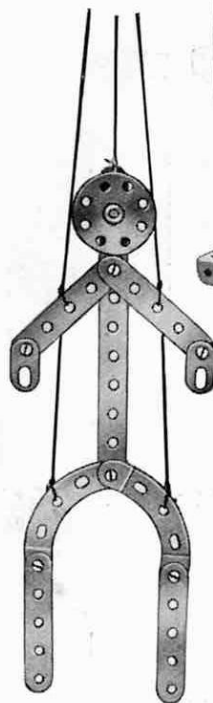
Model No. 00.72  
Cage Aerial



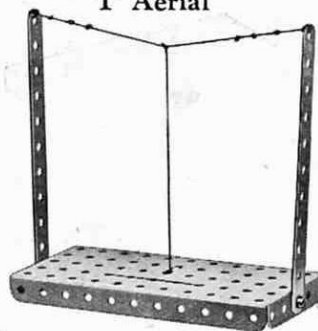
Model No. 00.73 Double Wire  
L Aerial



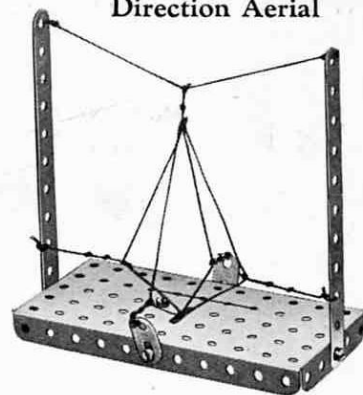
Model No. 00.74  
Jumping Jack



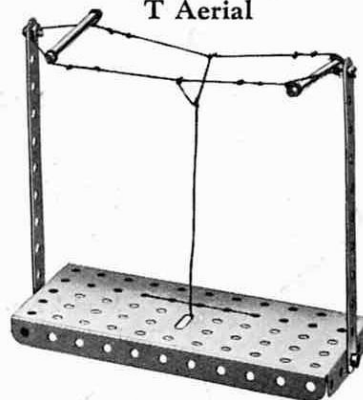
Model No. 00.75  
Single Wire  
T Aerial



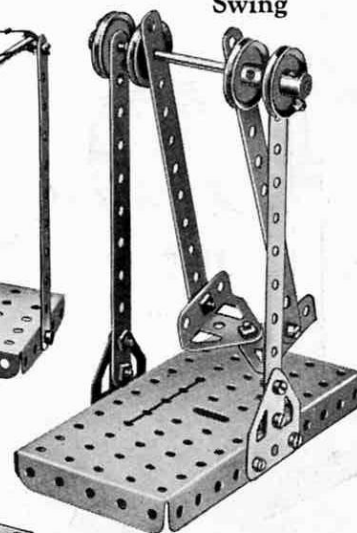
Model No. 00.76  
Direction Aerial



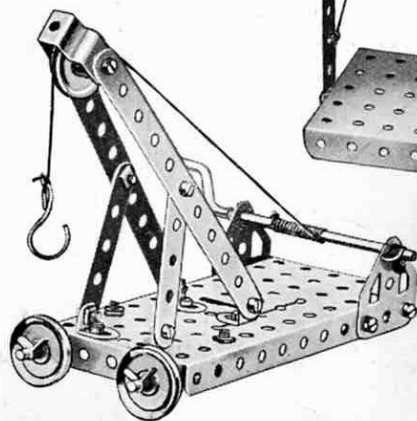
Model No. 00.80  
Double Wire  
T Aerial



Model No. 00.81  
Swing



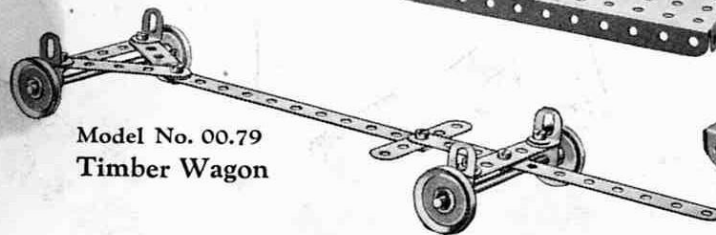
Model No. 00.77  
Revolving Crane



Model No. 00.78  
Single Wire  
L Aerial



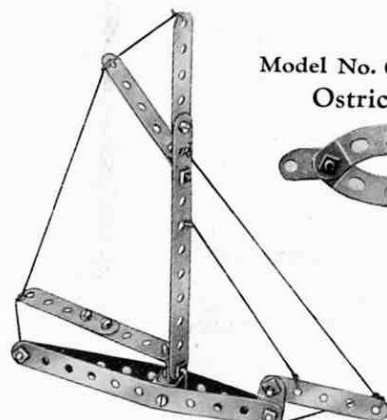
Model No. 00.79  
Timber Wagon



All these Models can be built with MECCANO Outfit No. 00

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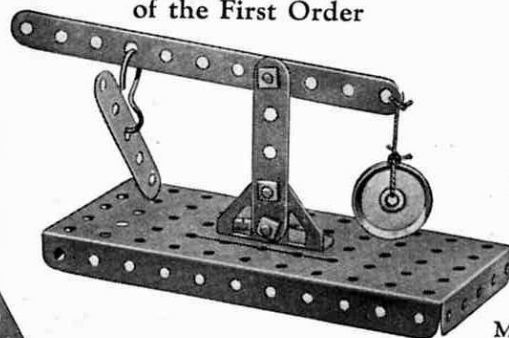
Model No. 00.82  
Yacht



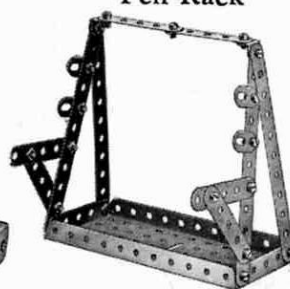
Model No. 00.83  
Ostrich



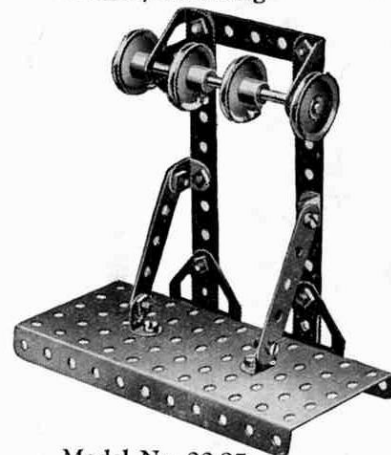
Model No. 00.85 Lever  
of the First Order



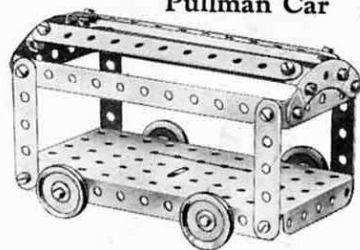
Model No. 00.94  
Pen Rack



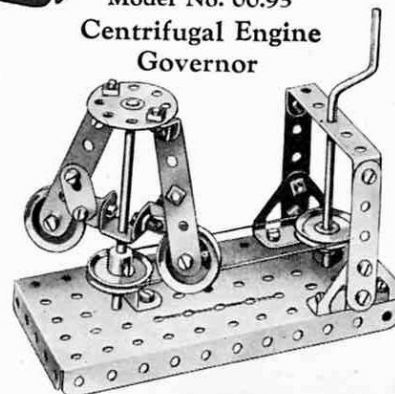
Model No. 00.96  
Pulley Shafting



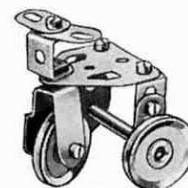
Model No. 00.84  
Pullman Car



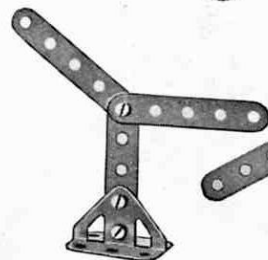
Model No. 00.95  
Centrifugal Engine  
Governor



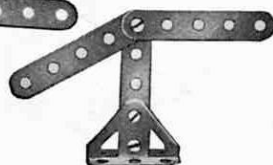
Model No. 00.97  
Tricycle



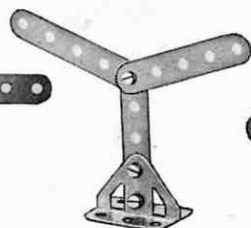
Models Nos. 00.86—00.93 Gradient Indicators



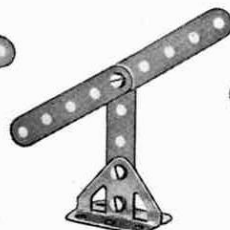
00.86



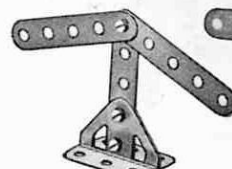
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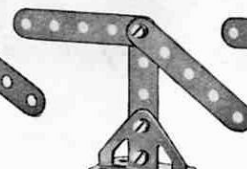
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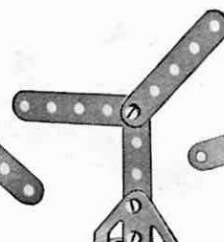
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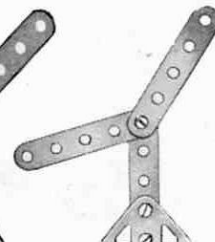
00.90



00.91



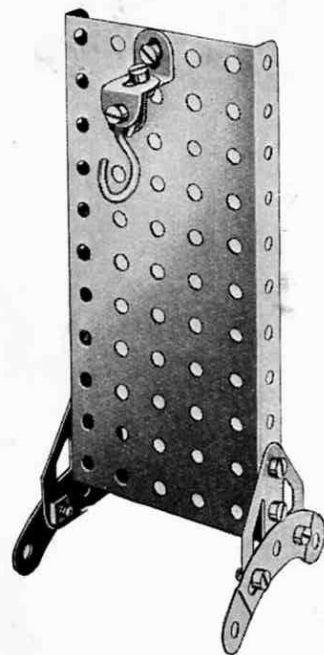
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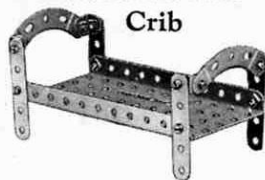
00.93

All these Models can be built with MECCANO Outfit No. 00

Model No. 00.98  
Watch Stand



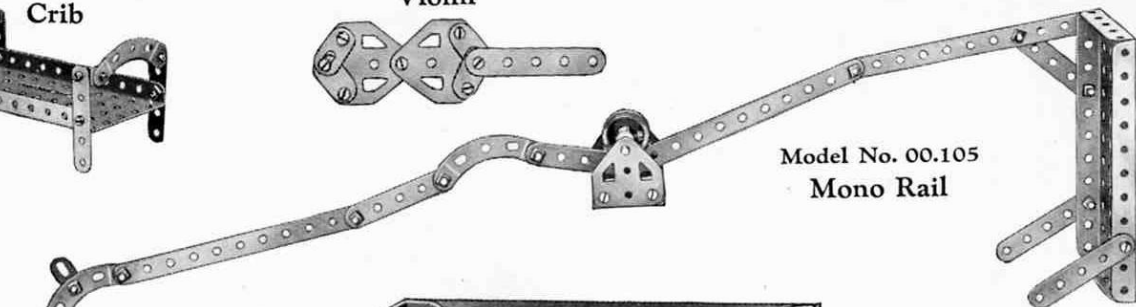
Model No. 00.99  
Crib



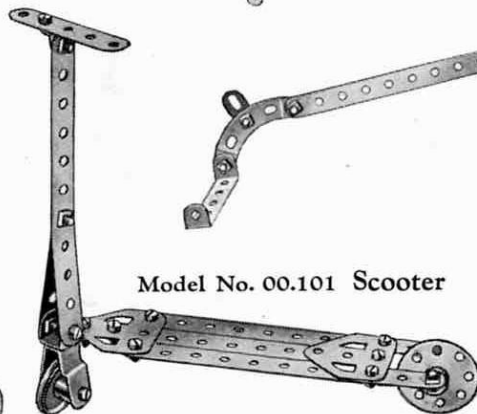
Model No. 00.100  
Violin



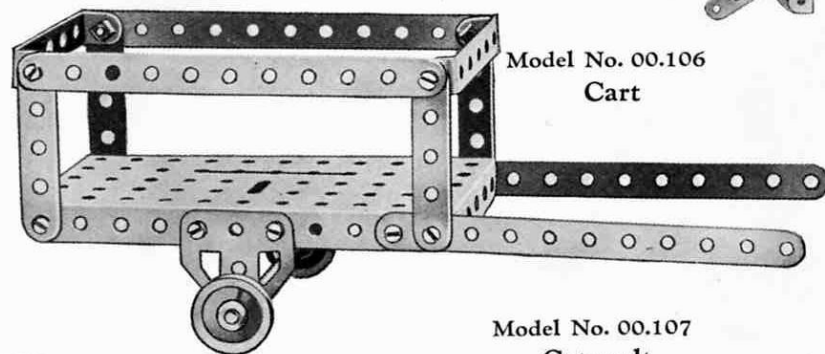
Model No. 00.105  
Mono Rail



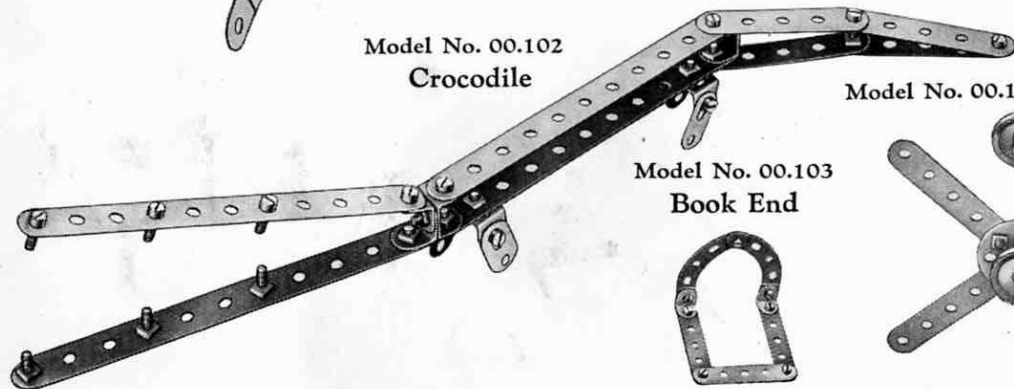
Model No. 00.101 Scooter



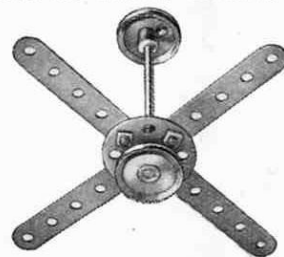
Model No. 00.106  
Cart



Model No. 00.102  
Crocodile



Model No. 00.104 Ceiling Fan

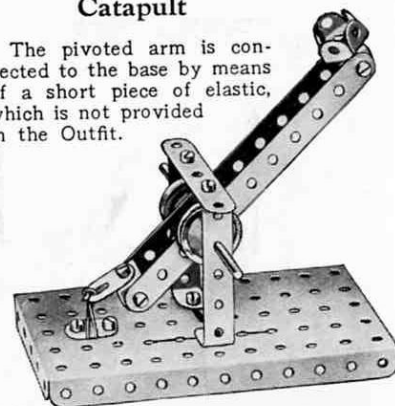


Model No. 00.103  
Book End



Model No. 00.107  
Catapult

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



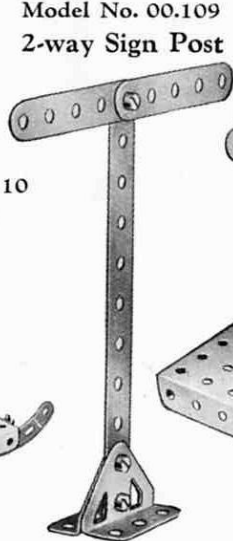
All these Models can be built with MECCANO Outfit No. 00

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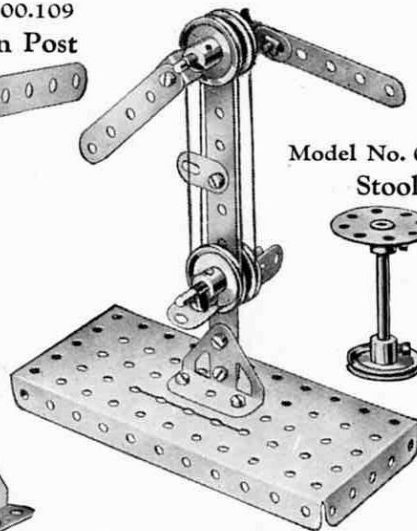
Model No. 00.108  
Track Gauge



Model No. 00.109  
2-way Sign Post



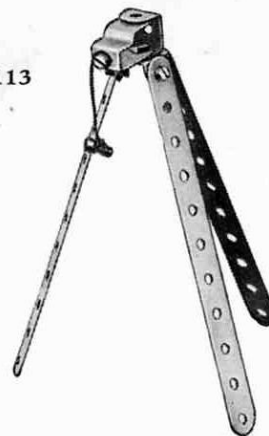
Model No. 00.112 Semaphore



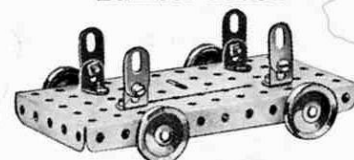
Model No. 00.113  
Stool



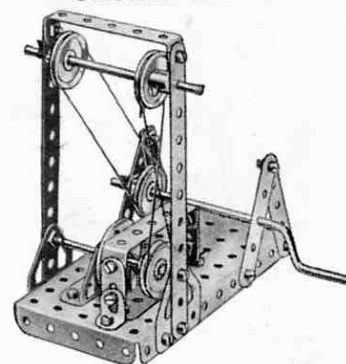
Model No. 00.116  
Camera



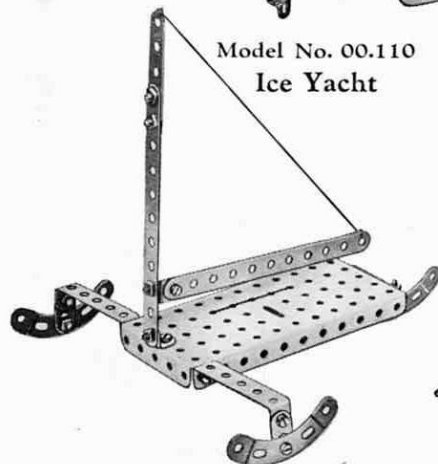
Model No. 00.117  
Lumber Truck



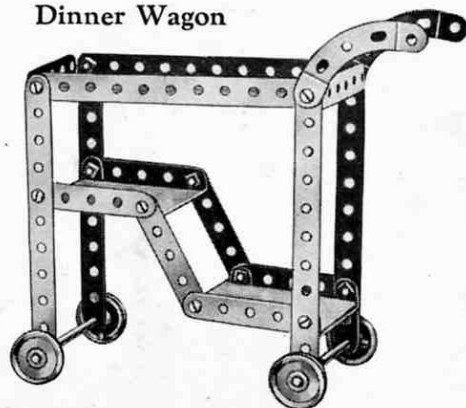
Model No. 00.118  
Circular Saw



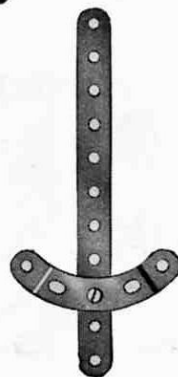
Model No. 00.110  
Ice Yacht



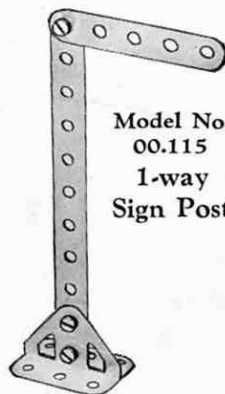
Model No. 00.111  
Dinner Wagon



Model No. 00.114  
Sword



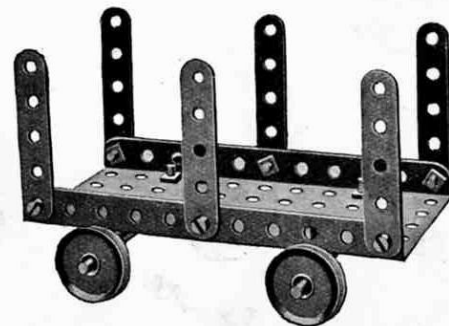
Model No.  
00.115  
1-way  
Sign Post



Model No. 00.119  
Umbrella Stand

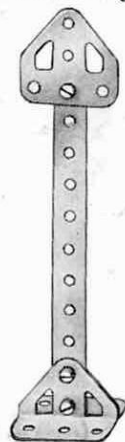


Model No. 00.120 Timber Truck



All these Models can be built with MECCANO Outfit No. 00

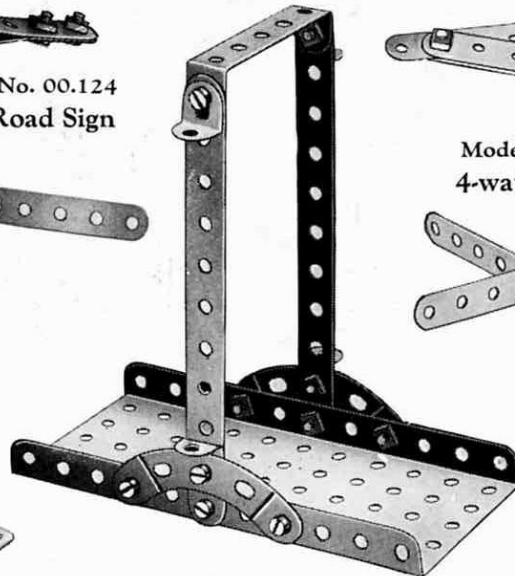
Model No. 00.121  
Road Sign



Model No. 00.122 Tweezers



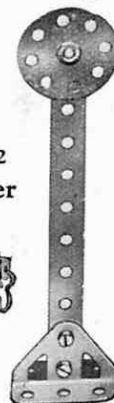
Model No. 00.128  
Elevator Car



Model No. 00.130  
Razor



Model No. 00.133  
Road Sign



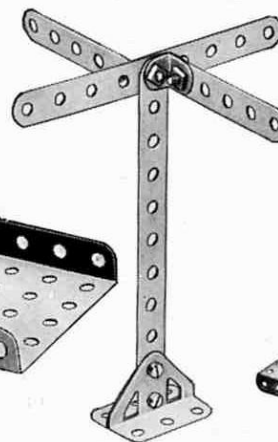
Model No.  
00.123  
Dividers



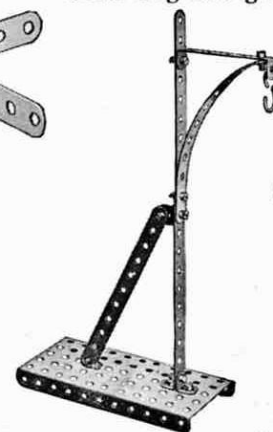
Model No. 00.124  
3-way Road Sign



Model No. 00.131  
4-way Road Sign



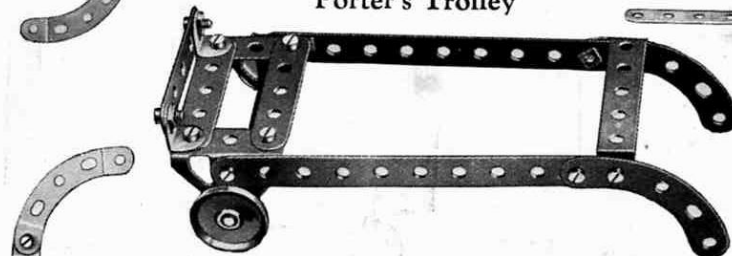
Model No. 00.132  
Mail Bag Hanger



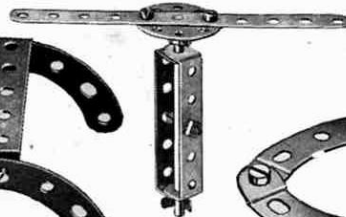
Model No. 00.125  
Tin Opener



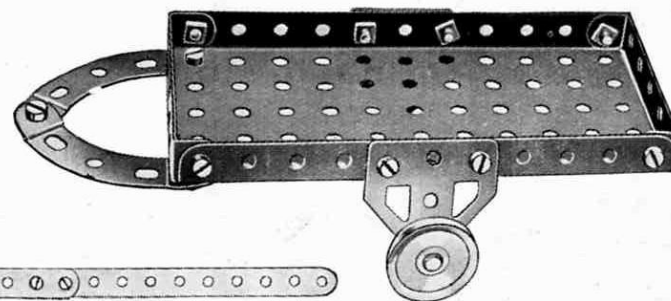
Model No. 00.126  
Porter's Trolley



Model No. 00.129  
Propeller



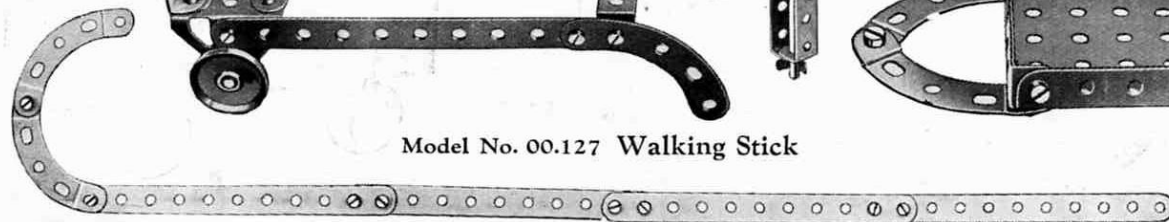
Model No. 00.134 Hand Truck



Model No.  
00.135  
Street  
Lamp



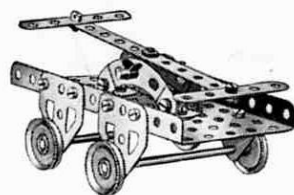
Model No. 00.127 Walking Stick



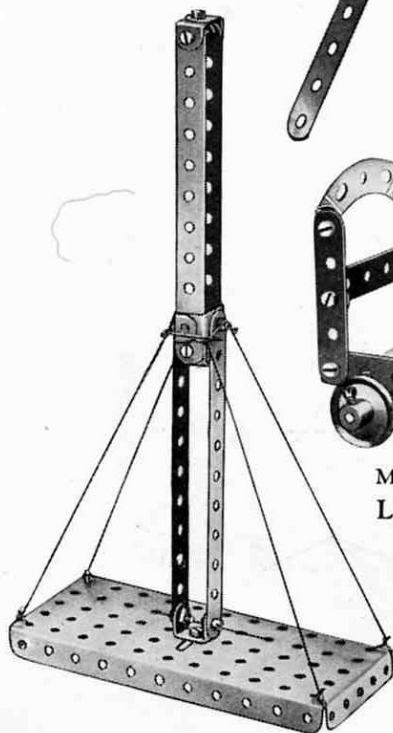
All these Models can be built with MECCANO Outfit No. 00

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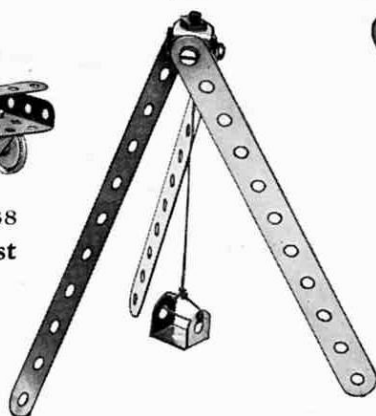
Model No. 00.136  
Hand Car



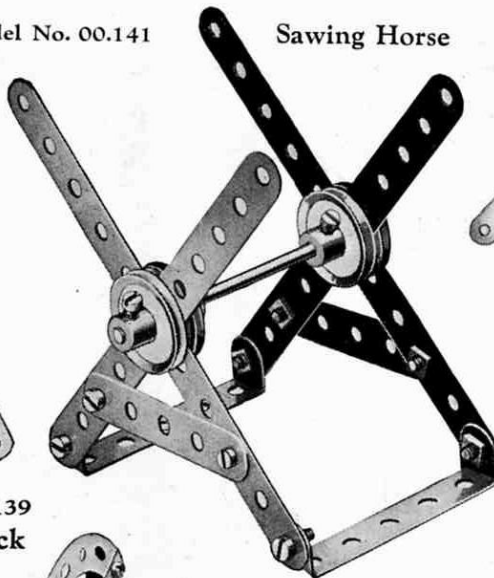
Model No. 00.138  
Telescopic Mast



Model No. 00.137  
Tripod



Model No. 00.141

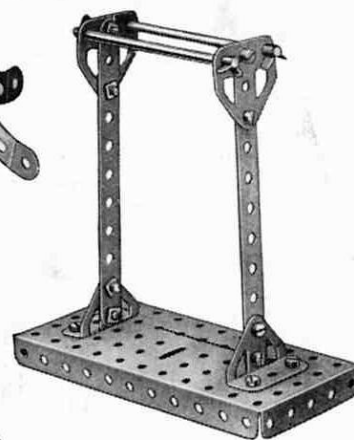


Sawing Horse

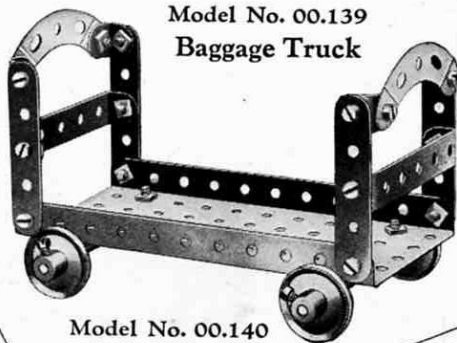
Model No. 00.142  
Piano Stool



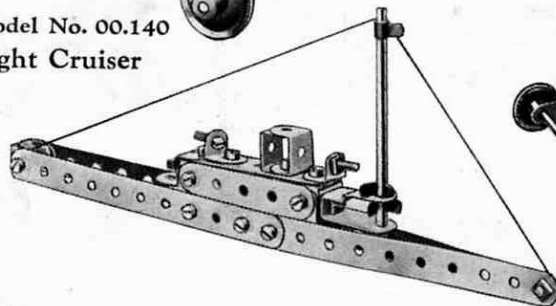
Model No. 00.143  
Towel Horse



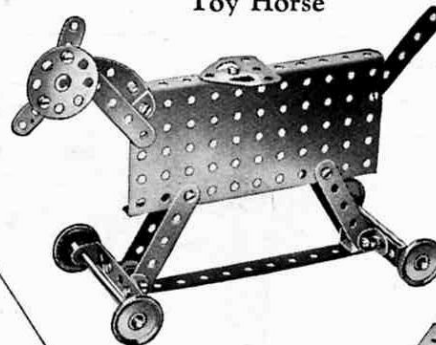
Model No. 00.139  
Baggage Truck



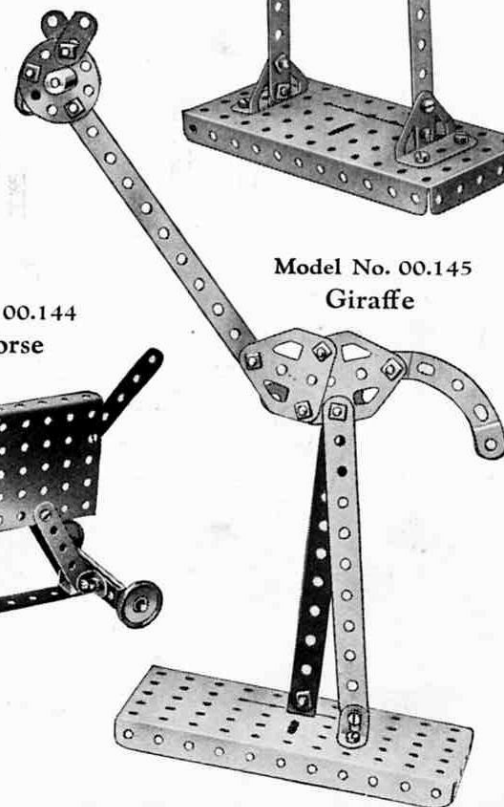
Model No. 00.140  
Light Cruiser



Model No. 00.144  
Toy Horse

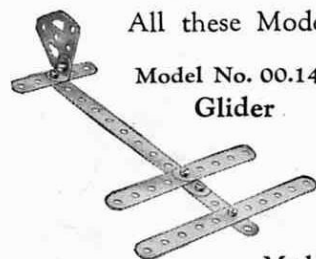
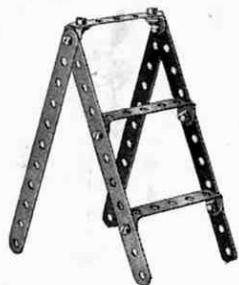


Model No. 00.145  
Giraffe

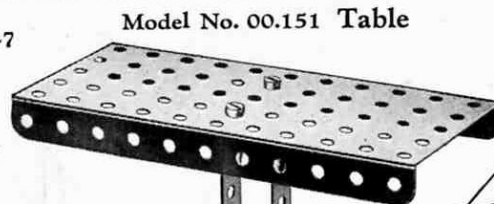


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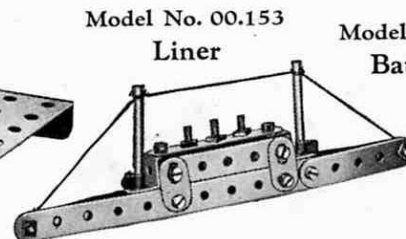
Model No. 00.146  
Step Ladder



All these Models can be built with MECCANO Outfit No. 00  
Model No. 00.147  
Glider

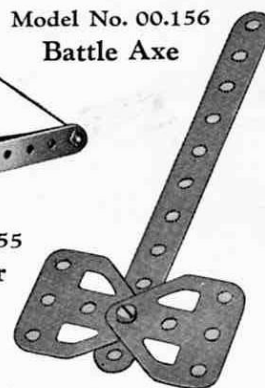


Model No. 00.151 Table



Model No. 00.153  
Liner

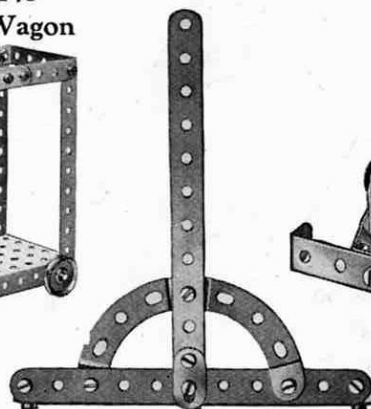
Model No. 00.156  
Battle Axe



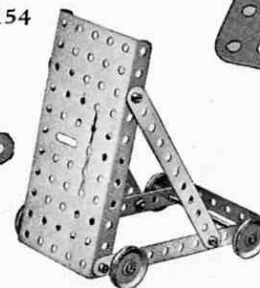
Model No. 00.148  
Refreshment Wagon



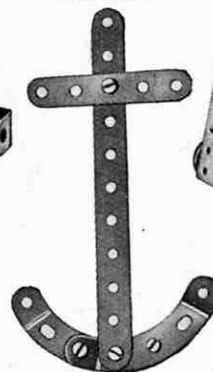
Model No. 00.149  
Rake



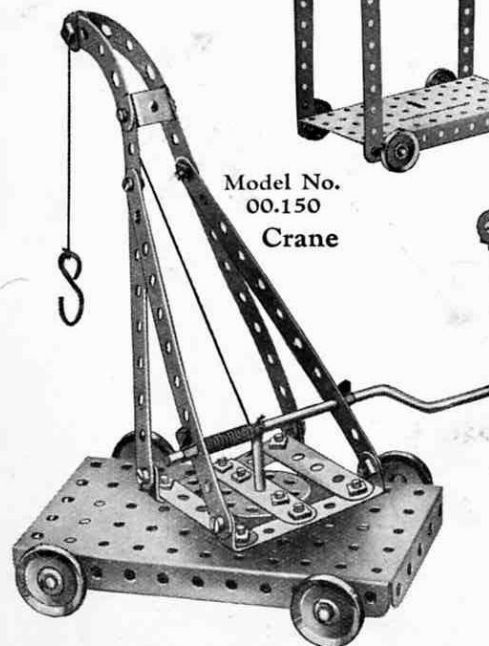
Model No. 00.155  
Gravel Sifter



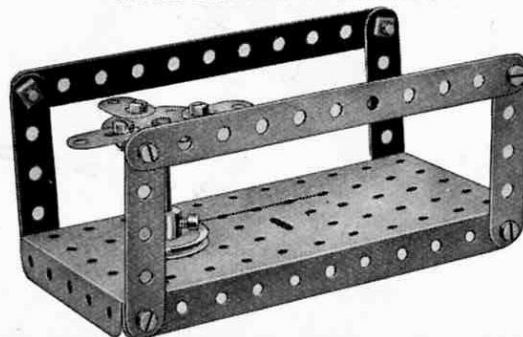
Model No. 00.154  
Anchor



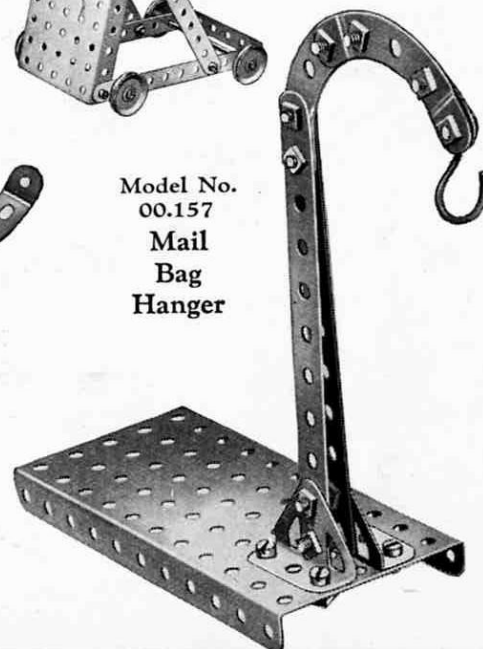
Model No.  
00.150  
Crane



Model No. 00.152 Turnstile

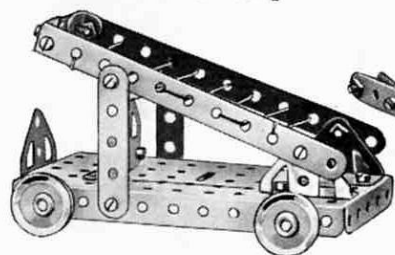
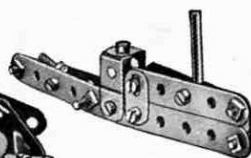


Model No.  
00.157  
Mail  
Bag  
Hanger

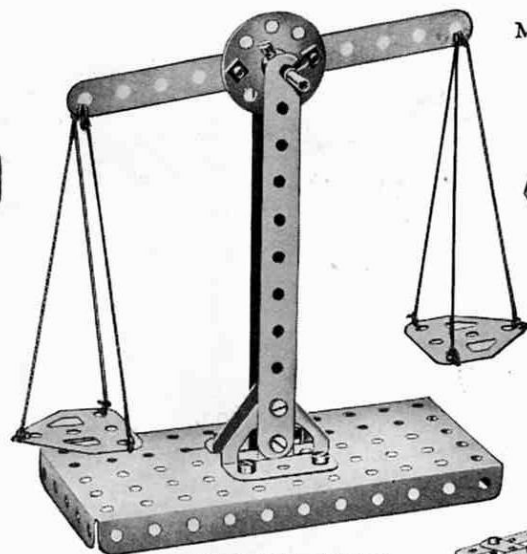


All these Models can be built with MECCANO Outfit No. 00

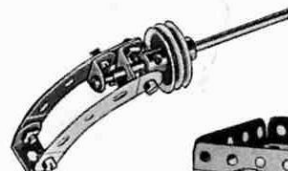
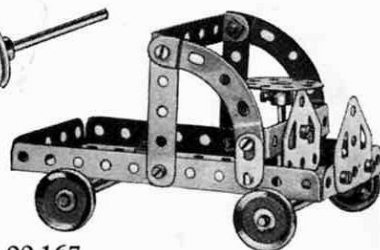
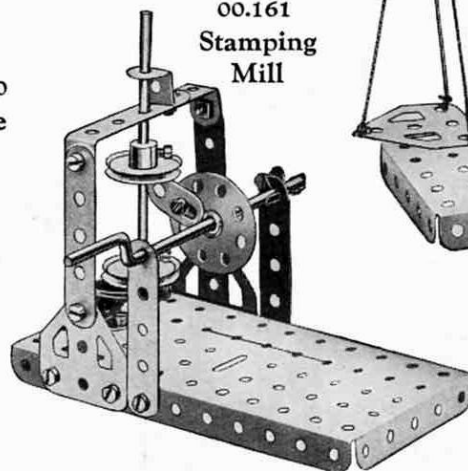
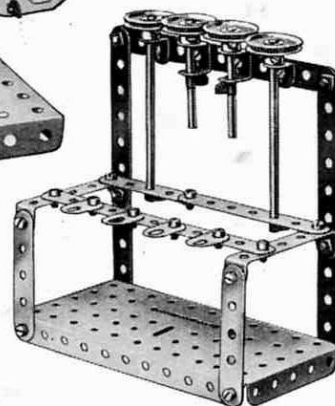
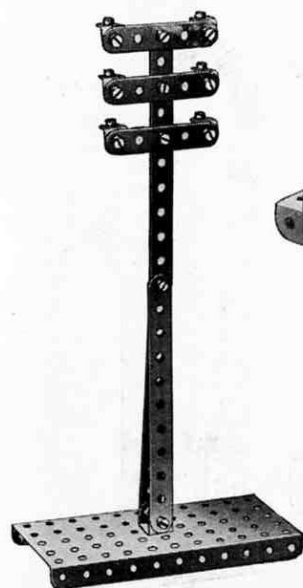
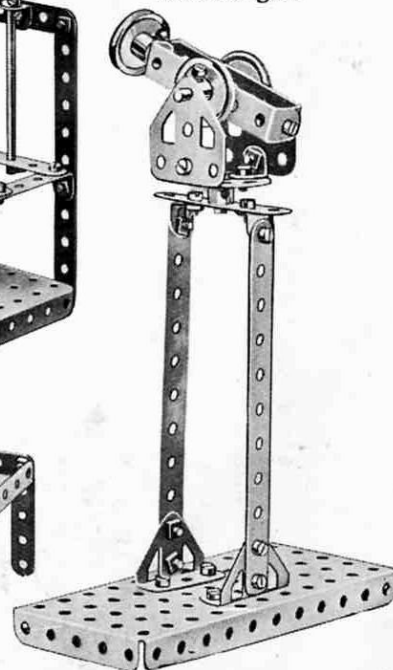
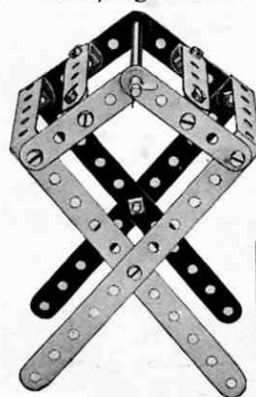
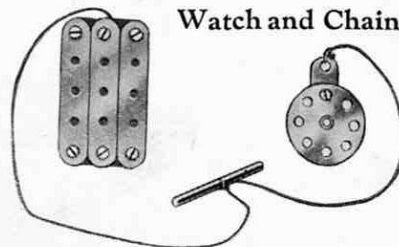
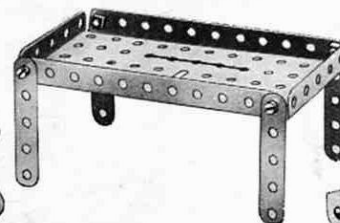
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Model No. 00.158  
Fire EscapeModel No. 00.159  
Torpedo Boat

Model No. 00.163 Scales

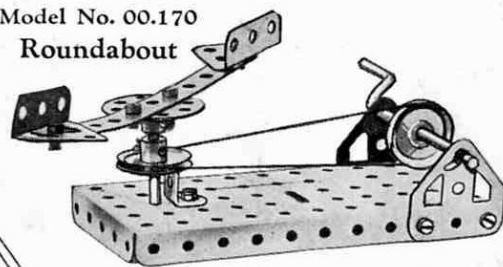


Model No. 00.165 Pistol

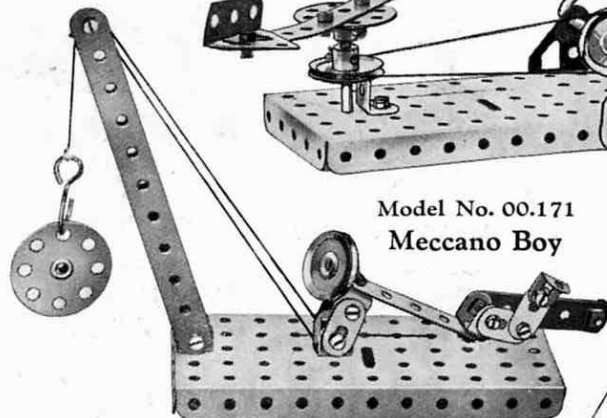
Model No. 00.166  
Motor CarModel No.  
00.161  
Stamping  
MillModel No. 00.167  
OrganModel No. 00.160  
Telegraph PoleModel No. 00.169  
SearchlightModel No. 00.164  
Clothes  
Drying FrameModel No. 00.162  
Watch and ChainModel No. 00.168  
Drinking Trough

All these Models can be built with MECCANO Outfit No. 00

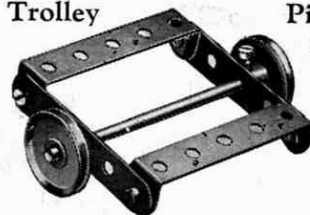
Model No. 00.170  
Roundabout



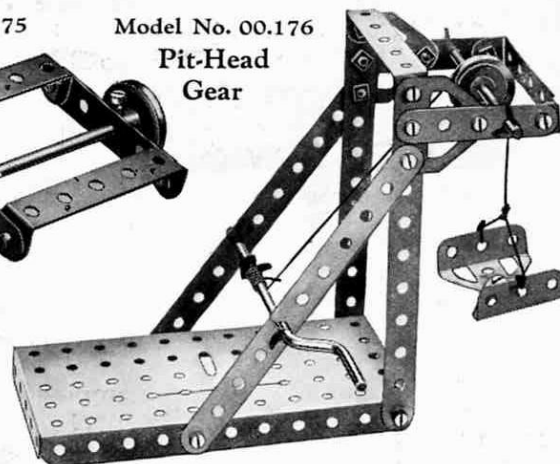
Model No. 00.171  
Meccano Boy



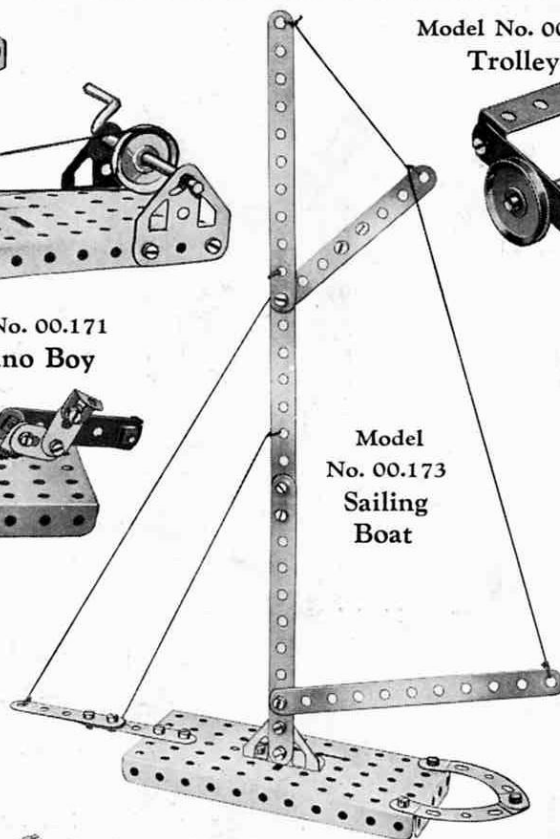
Model No. 00.175  
Trolley



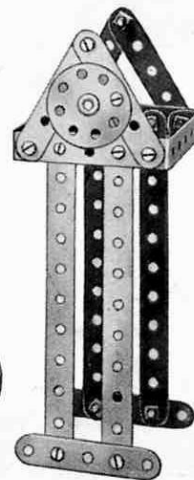
Model No. 00.176  
Pit-Head  
Gear



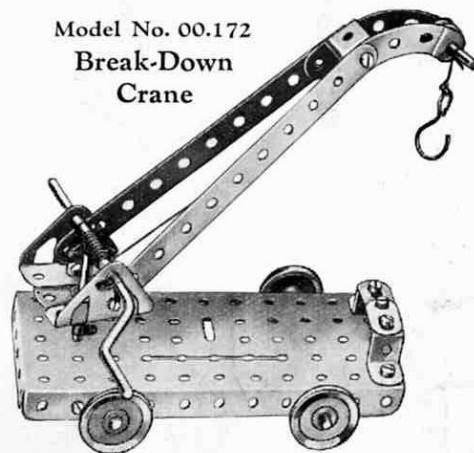
Model  
No. 00.173  
Sailing  
Boat



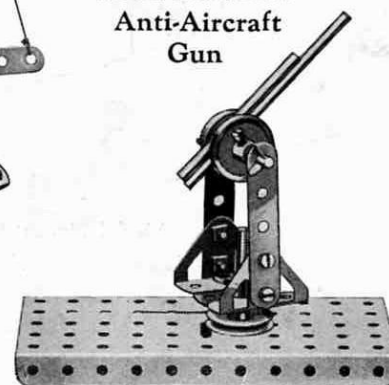
Model No. 00.178  
Grandfather's Clock



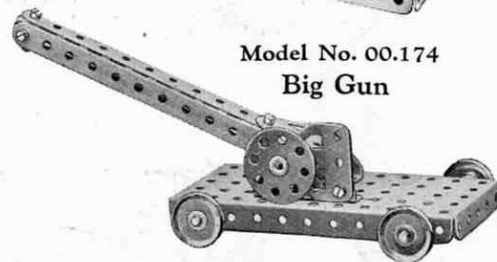
Model No. 00.172  
Break-Down  
Crane



Model No. 00.177  
Anti-Aircraft  
Gun



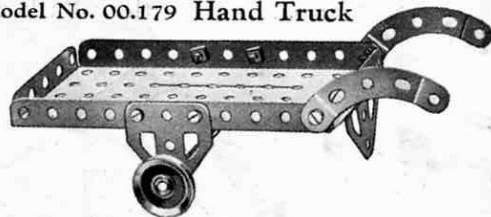
Model No. 00.174  
Big Gun



All these Models can be built with MECCANO Outfit No. 00

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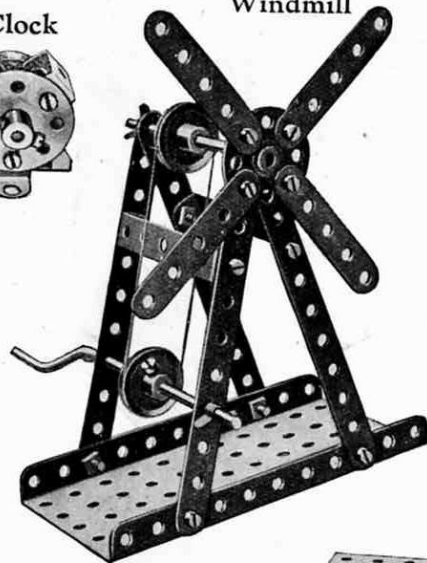
Model No. 00.179 Hand Truck



Model  
No. 00.181  
Clock



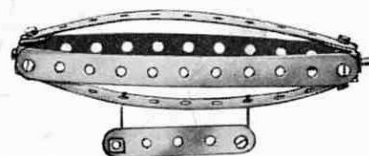
Model No. 00.183  
Windmill



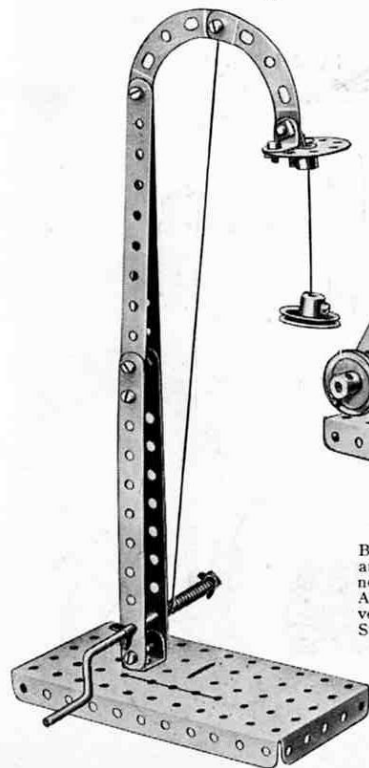
Model  
No. 00.185  
Flower Pot  
Stand



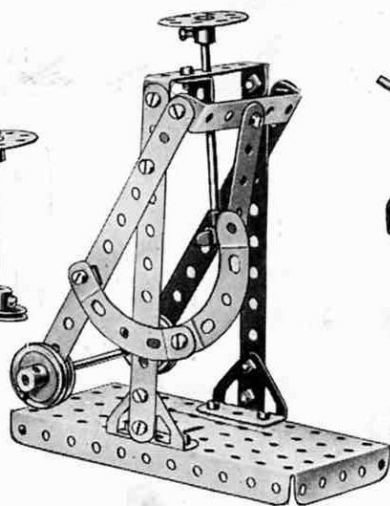
Model No. 00.186 Airship



Model No. 00.180  
Arc Lamp

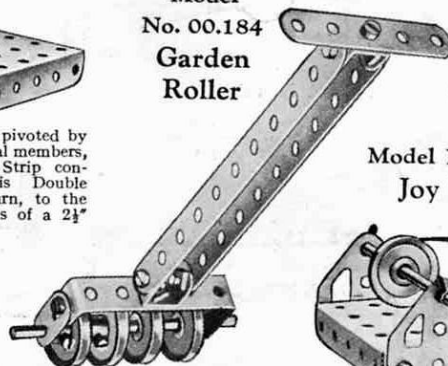


Model No. 00.182  
Letter Balance

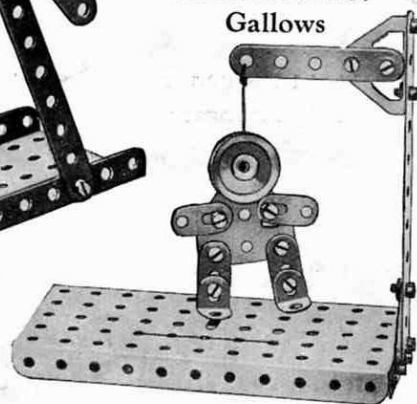


The weighted  $5\frac{1}{2}$ " Strips are pivoted by Bolts and lock-nuts to the vertical members, and a  $2\frac{1}{2}$ "  $\times$   $\frac{1}{2}$ " Double Angle Strip connects their upper ends. This Double Angle Strip is connected, in turn, to the vertical  $3\frac{1}{2}$ " Axle Rod by means of a  $2\frac{1}{2}$ " Strip and an Angle Bracket.

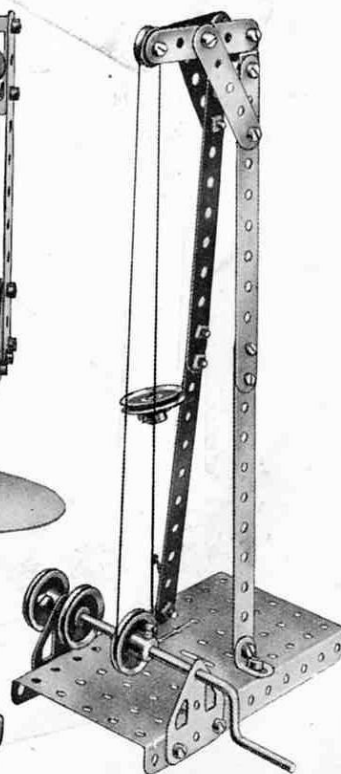
Model  
No. 00.184  
Garden  
Roller



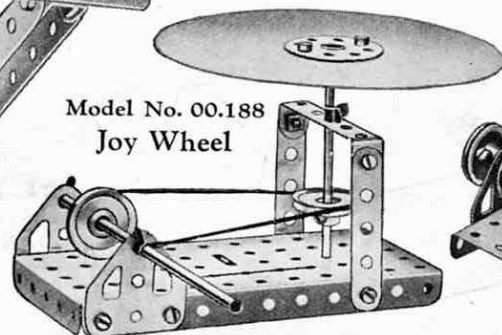
Model No. 00.187  
Gallows



Model No. 00.189  
Airship Mooring Mast

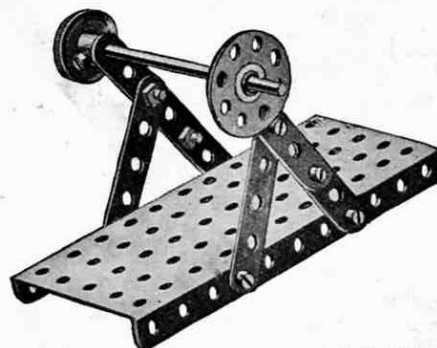


Model No. 00.188  
Joy Wheel



All these Models can be built with MECCANO Outfit No. 00

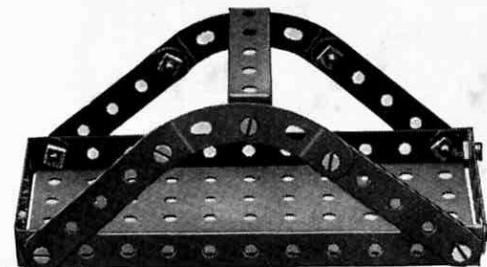
Model No. 00.190 Buffing Spindle



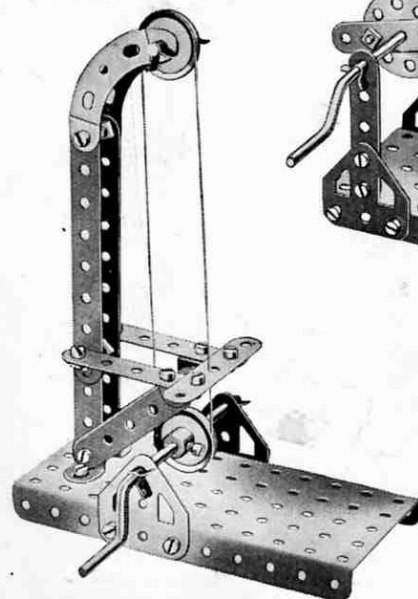
Model No. 00.193  
Ski-Runner



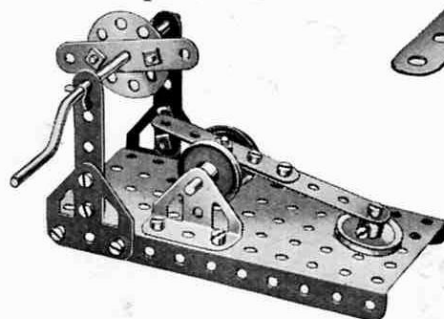
Model No. 00.196 Cutlery Basket



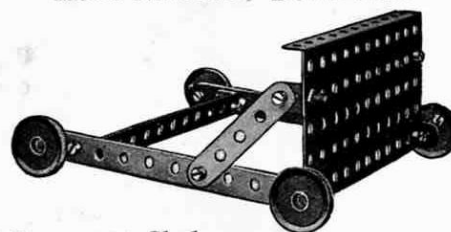
Model No. 00.191  
Band Saw



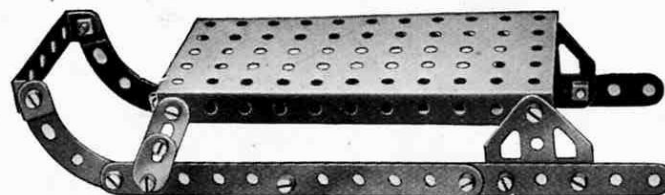
Model No. 00.192  
Trip Hammer



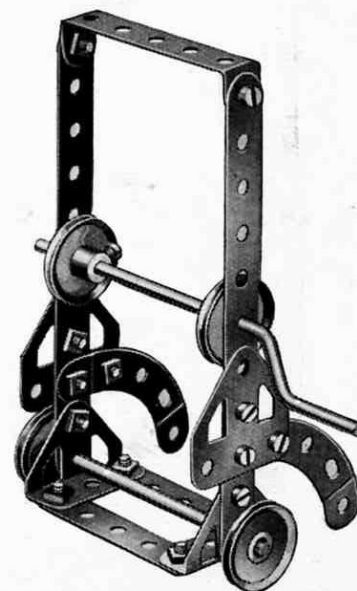
Model No. 00.194 Devil Wall



Model No. 00.195 Sled

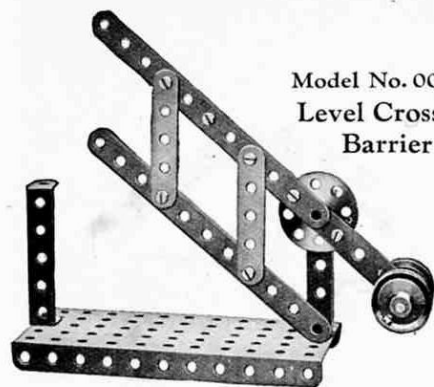


Model No. 00.197  
Garden Hose Reel

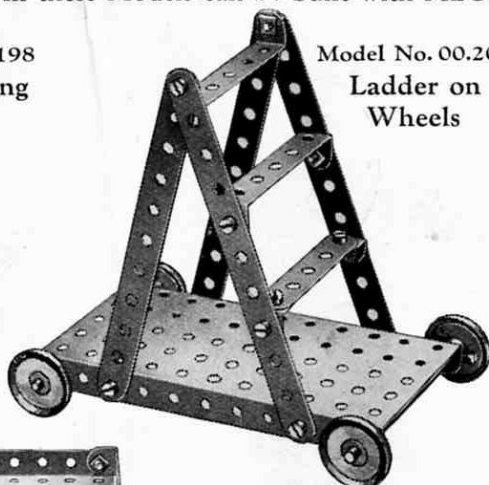


All these Models can be built with MECCANO Outfit No. 00

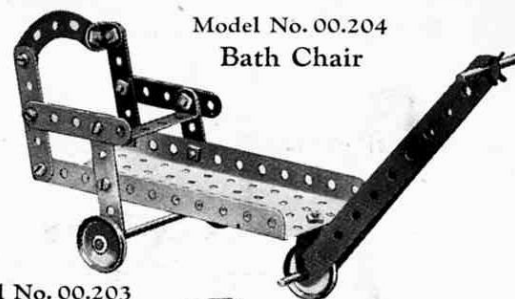
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Model No. 00.198  
Level Crossing  
Barrier

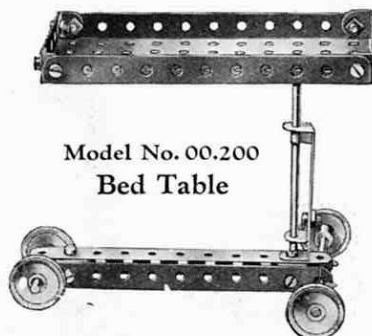
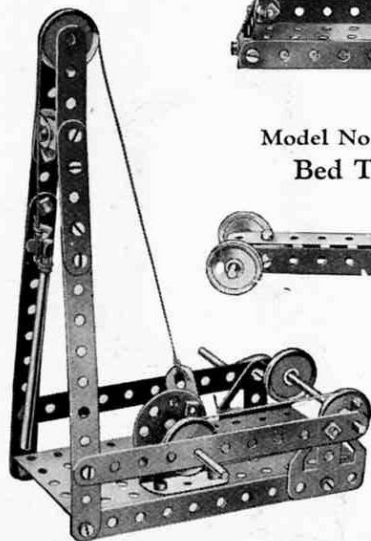


Model No. 00.201  
Ladder on  
Wheels

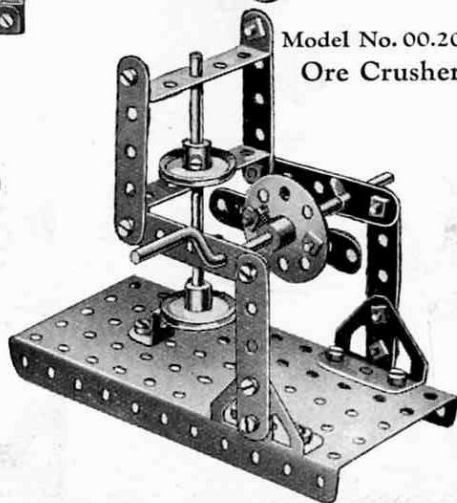


Model No. 00.204  
Bath Chair

Model No. 00.199  
Well Driller



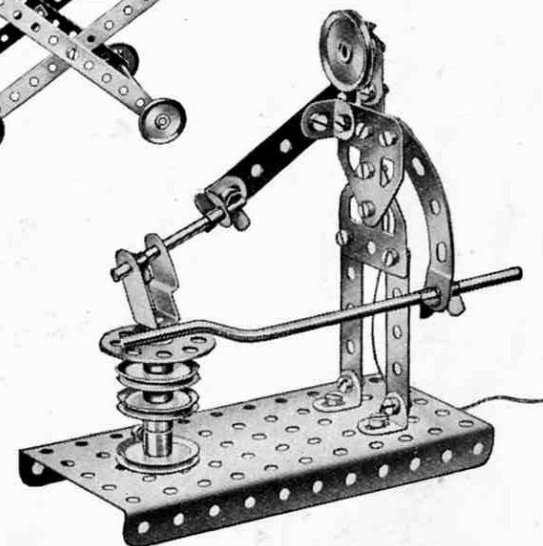
Model No. 00.200  
Bed Table



Model No. 00.202  
Ore Crusher



Model No. 00.203  
Tea Wagon



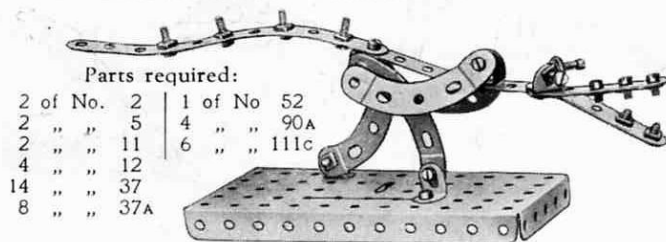
Model No. 00.205  
Blacksmith

### HOW TO CONTINUE

This completes our examples of models that may be made with MECCANO Outfit No. 00. The next models are a little more advanced, requiring a number of extra parts to construct them. The necessary parts are all contained in a No. 00A Accessory Outfit, the price of which will be found in the list at the end of this Manual.

These Models can be built with MECCANO Outfit No. 0 (or No. 00 and No. 00A)

### Model No.0.1 Prehistoric Bird



Parts required:

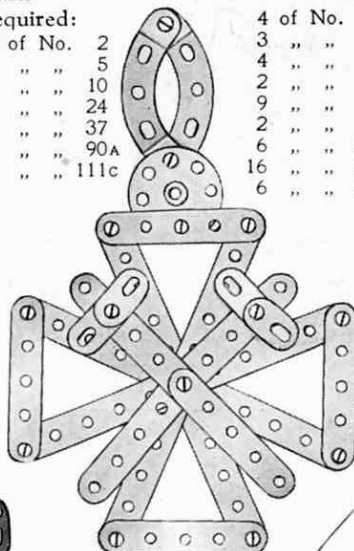
2 of No. 2	1 of No. 52
2 " " 5	4 " " 90A
2 " " 11	6 " " 111c
4 " " 12	
14 " " 37	
8 " " 37A	

### Model No.0.5 Medal

Parts

required:

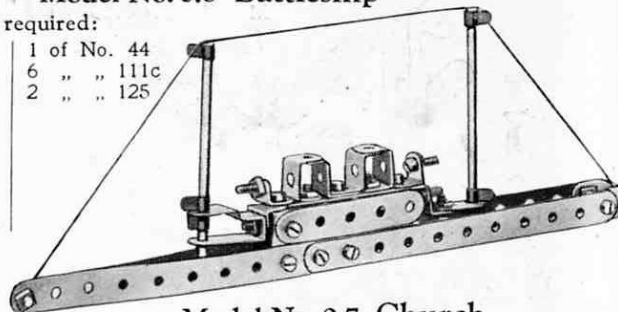
4 of No. 2	2
8 " " 5	5
4 " " 10	10
1 " " 24	24
13 " " 37	37
2 " " 90A	90A
1 " " 111c	111c



Parts required:

4 of No. 2	2
3 " " 5	5
4 " " 10	10
2 " " 11	11
9 " " 12	12
2 " " 16	16
6 " " 35	35
16 " " 37	37
6 " " 37A	37A

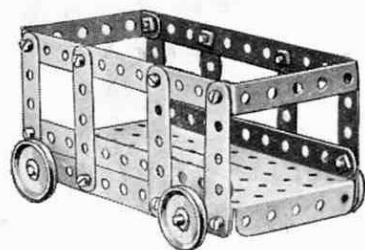
### Model No.0.6 Battleship



### Model No.0.2 Cattle Truck

Parts required:

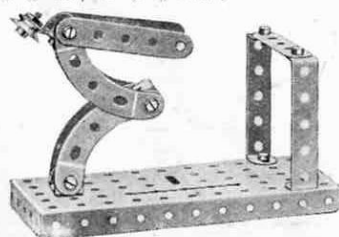
4 of No. 2	4 of No. 22	2 of No. 48A
8 " " 5	16 " " 37	1 " " 52
2 " " 16	2 " " 37A	2 " " 111c



### Model No.0.3 Hurdler

Parts required:

3 of No. 5	1 of No. 23	1 of No. 52
1 " " 10	12 " " 37	4 " " 90A
2 " " 11	1 " " 37A	1 " " 111c
2 " " 12	2 " " 48A	

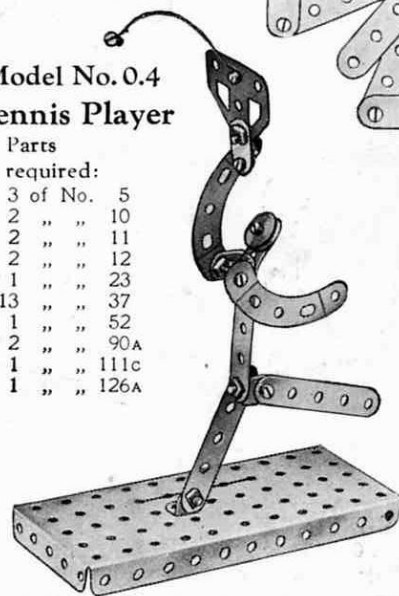


### Model No.0.4 Tennis Player

Parts

required:

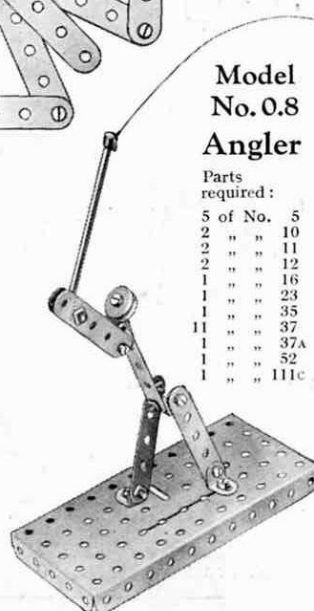
3 of No. 5	5
2 " " 10	10
2 " " 11	11
2 " " 12	12
1 " " 23	23
13 " " 37	37
1 " " 52	52
2 " " 90A	90A
1 " " 111c	111c
1 " " 126A	126A



### Model No.0.8 Angler

Parts required:

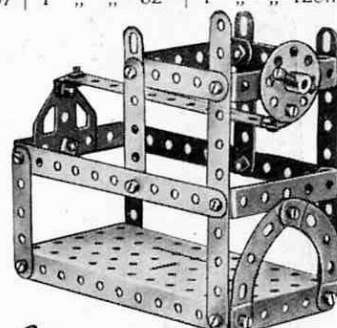
5 of No. 5	5
2 " " 10	10
2 " " 11	11
2 " " 12	12
1 " " 16	16
1 " " 23	23
1 " " 35	35
11 " " 37	37
1 " " 37A	37A
1 " " 52	52
1 " " 111c	111c



### Model No.0.7 Church

Parts required:

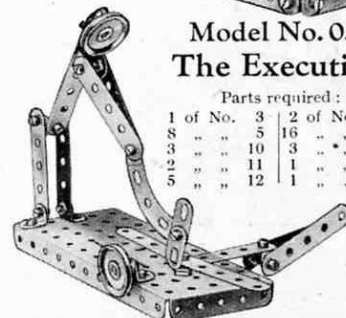
4 of No. 2	2 of No. 12	6 of No. 37A	4 of No. 90A
8 " " 5	1 " " 24	2 " " 48A	6 " " 111c
3 " " 10	16 " " 37	1 " " 52	1 " " 126A



### Model No.0.9 The Execution

Parts required:

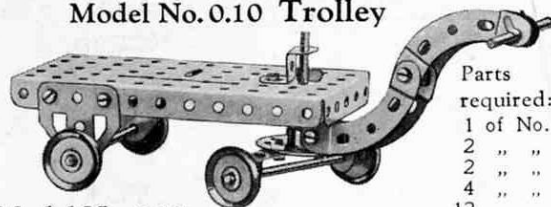
1 of No. 3	2 of No. 22
8 " " 5	16 " " 37
3 " " 10	3 " " 37A
2 " " 11	1 " " 52
5 " " 12	1 " " 90A



These Models can be built with MECCANO Outfit No. 0 (or No. 00 and No. 00A)

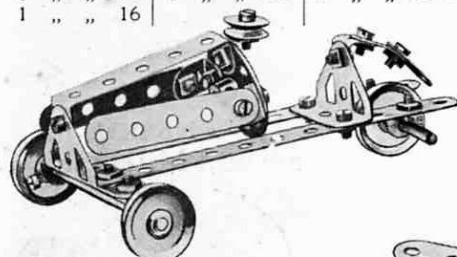
23

**Model No. 0.10 Trolley**

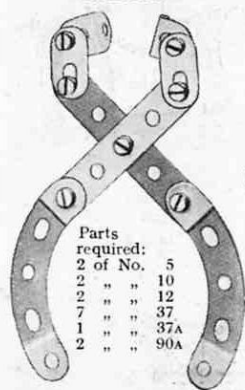


**Model No. 0.11 Three-Wheel Auto**

Parts required:		
2 of No. 2	1 of No. 17	16 of No. 37
3 " " 5	3 " " 22	2 " " 37A
2 " " 10	1 " " 23	2 " " 111c
6 " " 12	1 " " 24	2 " " 126
1 " " 16		



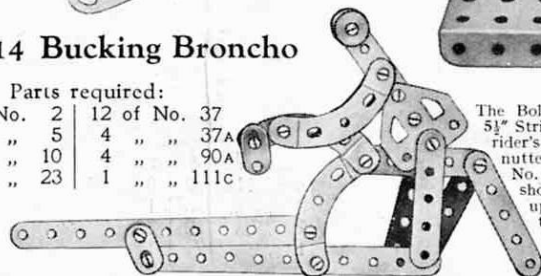
**Model No. 0.12 Pliers**



Parts required:	
2 of No. 5	10
2 " " 12	37
7 " " 37	37A
1 " " 37A	90A
2 " " 90A	

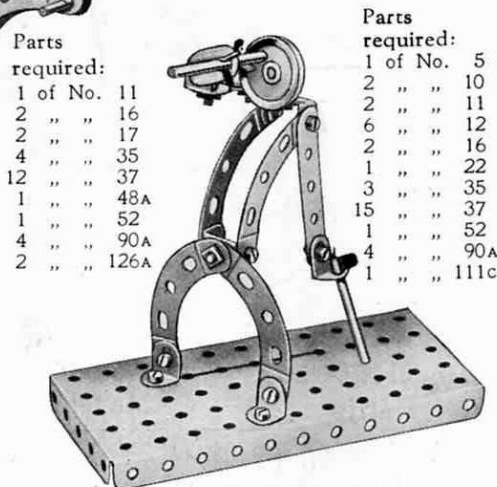
**Model No. 0.14 Bucking Broncho**

Parts required:		
2 of No. 2	12 of No. 37	
5 " " 5	4 " " 37A	
2 " " 10	4 " " 90A	
1 " " 23	1 " " 111c	



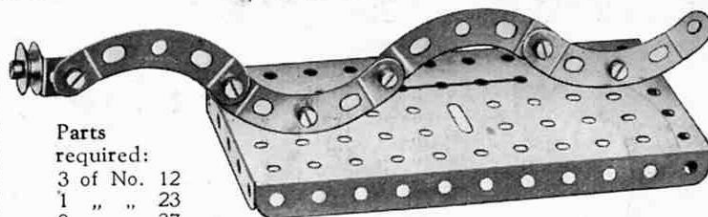
The Bolts used for connecting the 5 1/2" Strips, the horse's legs, and the rider's legs and arms, are all lock-nutted (see Standard Mechanism No. 262). The lower 5 1/2" Strip should be held rigidly and the upper one jerked forward, the horse will then throw its rider completely over its head.

**Model No. 0.15 Coast Guard**



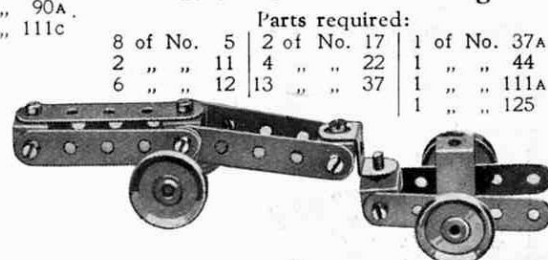
Parts required:	
1 of No. 5	10
2 " " 10	11
2 " " 11	12
6 " " 12	16
2 " " 16	22
1 " " 22	35
3 " " 35	37
15 " " 37	52
4 " " 52	90A
1 " " 90A	111c

**Model No. 0.16 Snake**



Parts required:	
3 of No. 12	23
1 " " 23	37
8 " " 37	37A
1 " " 37A	52
1 " " 52	90A
4 " " 90A	111c

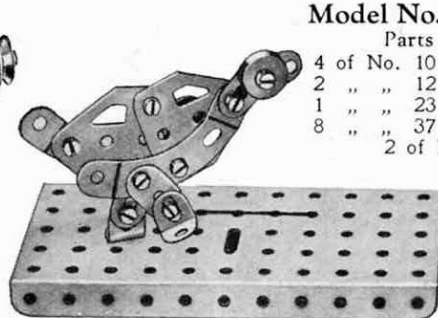
**Model No. 0.17 Field Gun and Carriage**



Parts required:		
8 of No. 5	2 of No. 17	1 of No. 37A
2 " " 11	4 " " 22	1 " " 44
6 " " 12	13 " " 37	1 " " 111A
		1 " " 125

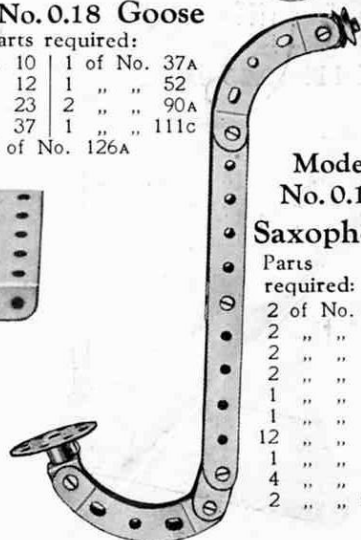
**Model No. 0.18 Goose**

Parts required:		
4 of No. 10	1 of No. 37A	
2 " " 12	1 " " 52	
1 " " 23	2 " " 90A	
8 " " 37	1 " " 111c	
2 of No. 126A		



**Model No. 0.19 Saxophone**

Parts required:	
2 of No. 2	10
2 " " 10	11
2 " " 11	12
2 " " 12	23
1 " " 23	24
1 " " 24	37
12 " " 37	37A
1 " " 37A	90A
4 " " 90A	111c
2 " " 111c	

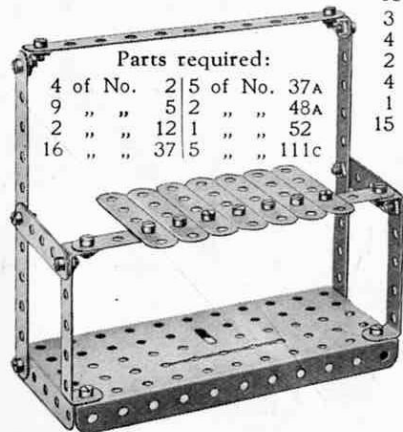


24

**Model No. 0.20  
Loud Speaker**

Parts  
required:

1 of No.	11
1 "	23
1 "	24
6 "	37
1 "	37A
4 "	90A
2 "	111c
2 "	126

**Model No. 0.23 Piano**

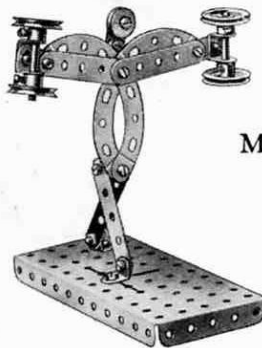
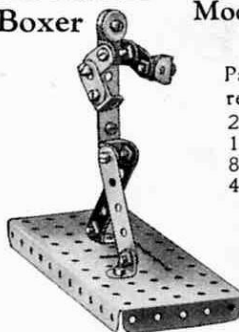
Parts required:

4 of No.	2	5 of No.	37A
9 "	5	2 "	48A
2 "	12	1 "	52
16 "	37	5 "	111c

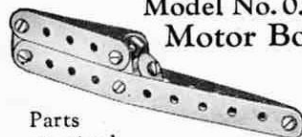
**Model No. 0.21  
Strong Man**

Parts required:

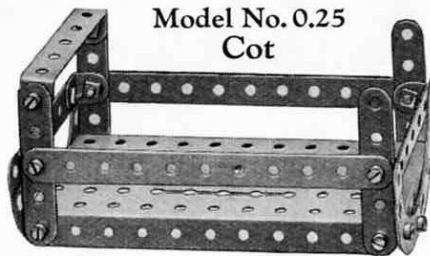
4 of No.	5	1 of No.	23
4 "	10	13 "	37
2 "	11	1 "	37A
4 "	12	1 "	52
2 "	17	4 "	90A
4 "	22	1 "	111c

**Model No. 0.22  
Boxer**Parts  
required:

3 of No.	5	
4 "	10	
2 "	11	
4 "	12	1 of No 37A
1 "	23	1 "
15 "	37	1 "

**Model No. 0.24  
Motor Boat**Parts  
required:

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

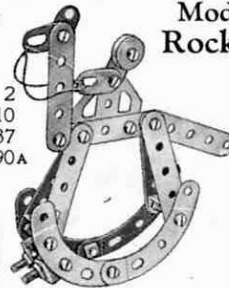
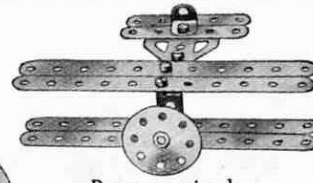
**Model No. 0.25  
Cot**

Parts required:

2 of No.	2	16 of No.	37
6 "	5	2 "	48A
4 "	12	1 "	52
		4 of No.	90A

**Model No. 0.26  
Banjo**Parts  
required:

2 of No.	2
1 "	10
8 "	37
4 "	90A

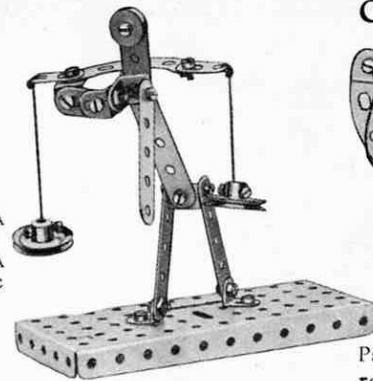
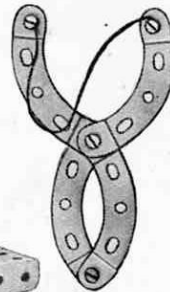
**Model No. 0.29 Aeroplane**

Parts required:

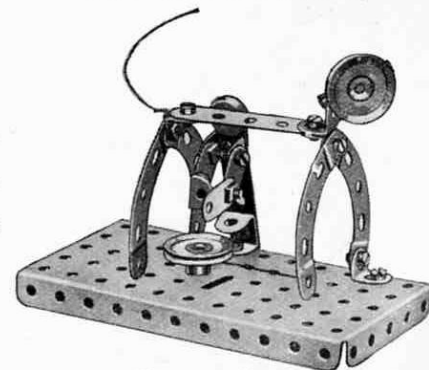
4 of No.	2	8 of No.	37
3 "	5	1 "	111c
2 "	12	2 "	125
1 "	24	1 "	126A

**Model No. 0.27 Milk Maid**Parts  
required:

5 of No.	5
3 "	10
2 "	11
4 "	12
2 "	22
1 "	23
14 "	37
1 "	37A
1 "	52
1 "	90A
1 "	111c

**Model No. 0.30  
Catapult**Parts  
required:

4 of No.	37
4 "	90A

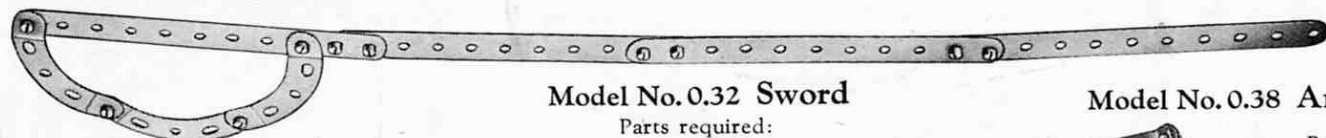
**Model No. 0.31  
Cow and Milkmaid**

Parts required:

2 of No.	5	1 of No.	23
4 "	10	16 "	37
2 "	11	2 "	37A
5 "	12	1 "	52
2 "	22	4 "	90A
		1 of No.	125

These Models can be built with MECCANO Outfit No. 0 (or No. 00 and No. 00A)

25  
Model No. 0.42  
Lazy Tongs



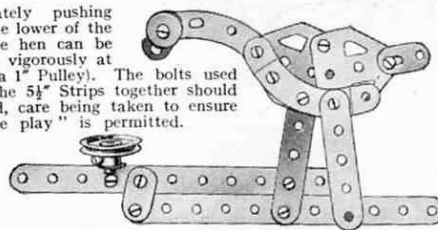
Model No. 0.32 Sword

Parts required:

4 of No. 2 | 10 of No. 37 | 3 of No. 90A

Model No. 0.35 Pecking Hen

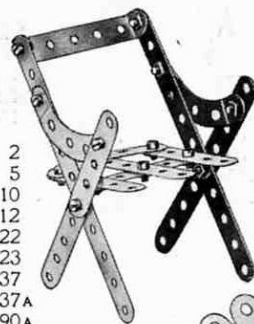
By alternately pushing and pulling the lower of the 5½" Strips, the hen can be made to peck vigorously at the "bowl" (a 1" Pulley). The bolts used for securing the 5½" Strips together should be lock-nutted, care being taken to ensure that no "side play" is permitted.



Parts

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

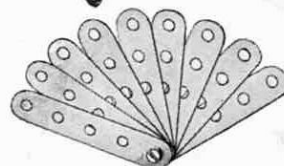
Model No. 0.38 Arm Chair



Parts

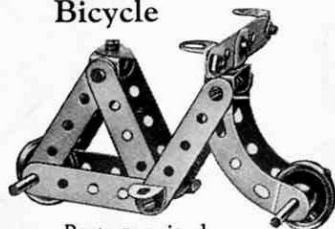
required:  
2 of No. 2  
7 " " 5  
14 " " 37  
2 " " 48A  
2 " " 90A

Model No. 0.40 Fan



Parts required:  
9 of No. 5 | 2 of No. 37A  
1 of No. 111c

Model No. 0.33 Bicycle



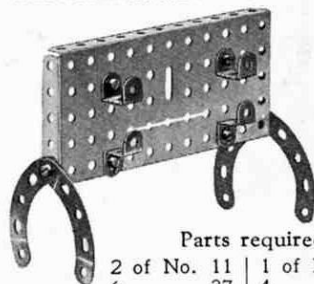
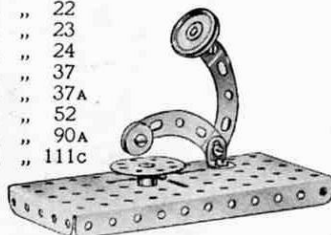
Parts required:

9 of No. 5 | 2 of No. 17  
2 " " 11 | 2 " " 22  
5 " " 12 | 11 " " 37

Model No. 0.34 Gramophone

Parts

required:  
2 of No. 12  
1 " " 22  
1 " " 23  
1 " " 24  
3 " " 37  
1 " " 37A  
1 " " 52  
2 " " 90A  
3 " " 111c



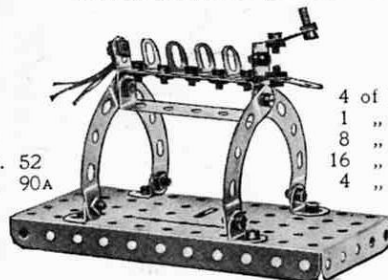
Model No. 0.36 Pen Rack

Parts required:

2 of No. 11 | 1 of No. 52  
6 " " 37 | 4 " " 90A  
2 of No. 125

Model No. 0.39

Prehistoric Armadillo



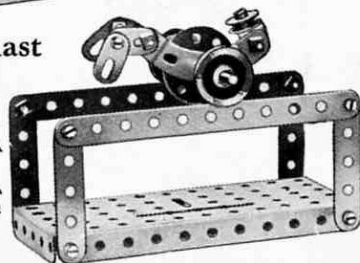
Parts required:

4 of No. 10 | 2 of No. 48A  
1 " " 11 | 1 " " 52  
8 " " 12 | 4 " " 90A  
16 " " 37 | 4 " " 111c  
4 " " 37A

Model No. 0.37 Gymnast

Parts required:

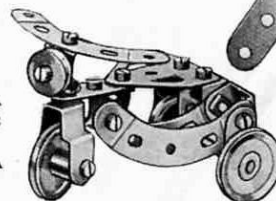
2 of No. 2 | 1 of No. 24  
4 " " 5 | 12 " " 37  
4 " " 10 | 1 " " 37A  
1 " " 12 | 1 " " 52  
1 " " 16 | 2 " " 90A  
2 " " 22 | 1 " " 111c  
1 " " 23



Model No. 0.41 Motor Cycle and Side Car

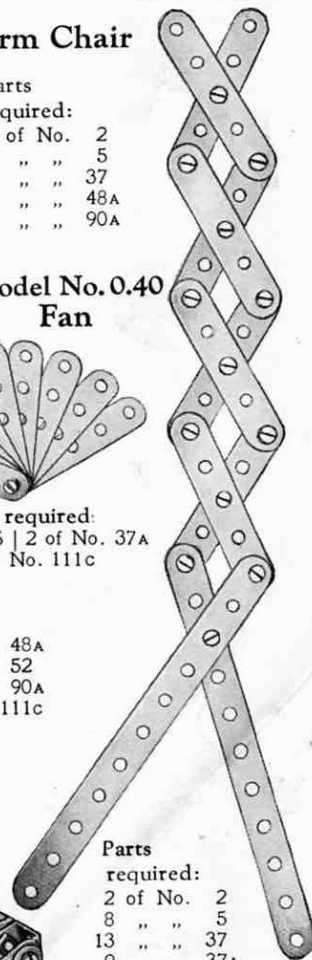
Parts required:

1 of No. 5 | 3 of No. 22 | 3 of No. 90A  
4 " " 10 | 1 " " 23 | 1 " " 111c  
2 " " 11 | 10 " " 37 | 1 " " 125  
3 " " 12 | 1 " " 37A | 1 " " 126A  
1 " " 16 | 1 " " 44



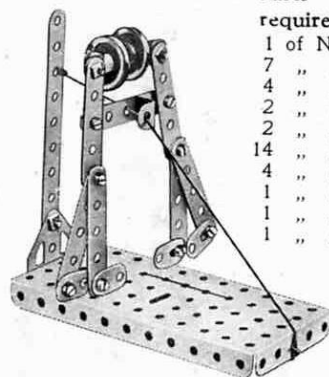
Parts

required:  
2 of No. 2  
8 " " 5  
13 " " 37  
9 " " 37A



These Models can be built with MECCANO Outfit No. 0 (or No. 00 and No. 00A)

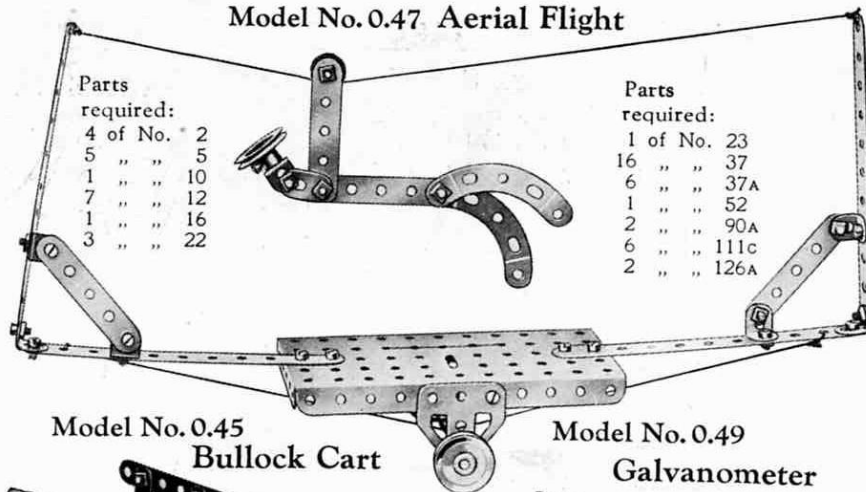
### Model No. 0.43 Wrestlers



Parts required:

1 of No.	2
7 " "	5
4 " "	10
2 " "	12
2 " "	22
14 " "	37
4 " "	37A
1 " "	52
1 " "	125
1 " "	126A

### Model No. 0.47 Aerial Flight



Parts required:

4 of No.	2
5 " "	5
1 " "	10
7 " "	12
1 " "	16
3 " "	22

Parts required:

1 of No.	23
16 " "	37
6 " "	37A
1 " "	52
2 " "	90A
6 " "	111c
2 " "	126A

### Model No. 0.48 The Missing Link

Parts required:

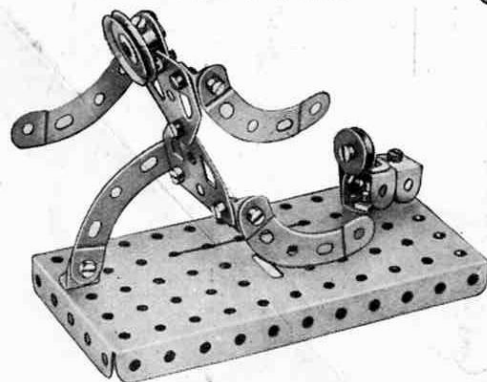
4 of No.	5
4 " "	10
8 " "	12
1 " "	24
16 " "	37
6 " "	37A
1 " "	52
4 " "	90A
6 " "	111c



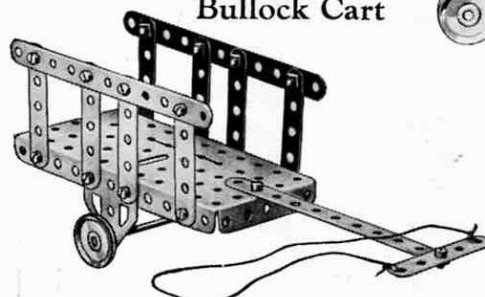
### Model No. 0.44 A Chase

Parts required:

1 of No.	5	16 of No.	37
1 " "	10	1 " "	37A
2 " "	11	1 " "	52
7 " "	12	4 " "	90A
1 " "	22	2 " "	111c
1 " "	23	2 " "	126A



### Model No. 0.45 Bullock Cart



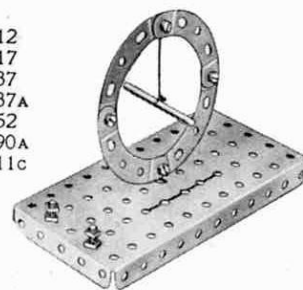
Parts required:

3 of No.	2	2 of No.	37A
9 " "	5	1 " "	52
1 " "	16	2 " "	111c
2 " "	22	2 " "	126A
16 " "	37		

### Model No. 0.49 Galvanometer

Parts required:

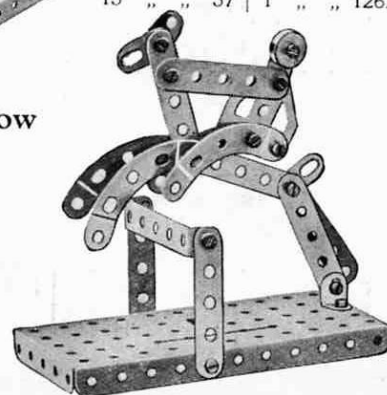
1 of No.	12
1 " "	17
5 " "	37
4 " "	37A
1 " "	52
4 " "	90A
2 " "	111c



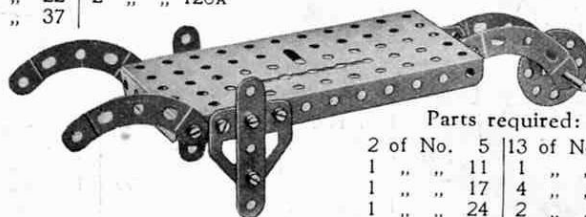
### Model No. 0.50 Steeple-chaser

Parts required:

7 of No.	5	1 of No.	37A
4 " "	10	1 " "	52
1 " "	12	4 " "	90A
1 " "	23	1 " "	111c
13 " "	37	1 " "	126A



### Model No. 0.46 Coster's Barrow

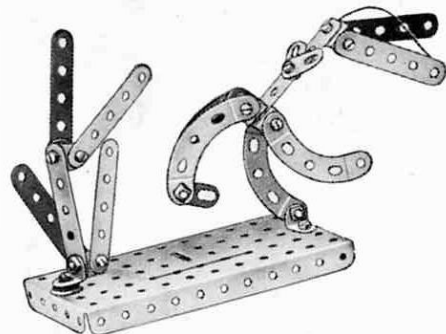


Parts required:

2 of No.	5	13 of No.	37
1 " "	11	1 " "	52
1 " "	17	4 " "	90A
1 " "	24	2 " "	126A

These Models can be built with MECCANO Outfit No. 0 (or No. 00 and No. 00A)

### Model No.0.51 Horseman's Fall

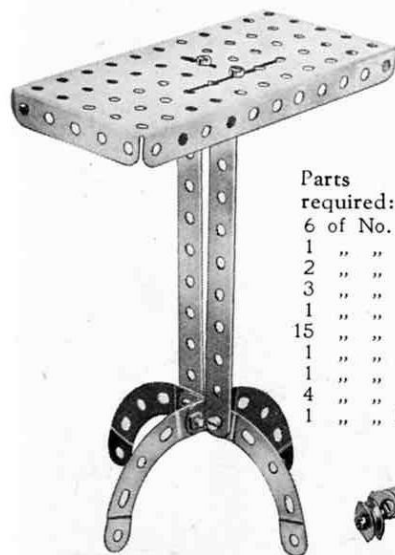


Parts  
required:  
8 of No. 5  
3 " " 10  
2 " " 11  
8 " " 12  
1 " " 23  
16 " " 37  
4 " " 37A  
1 " " 52  
4 " " 90A  
4 " " 111c

### Model No.0.52 Table

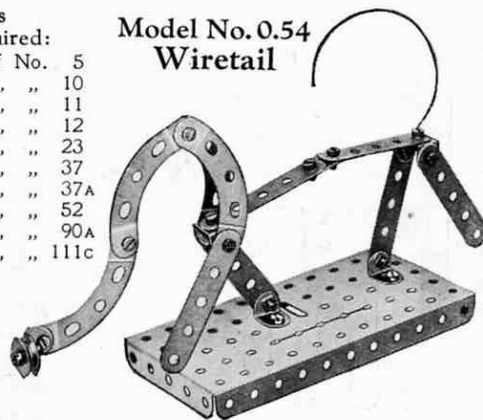
Parts required:

2 of No. 2 | 8 of No. 37  
6 " " 12 | 1 " " 52  
4 of No. 90A

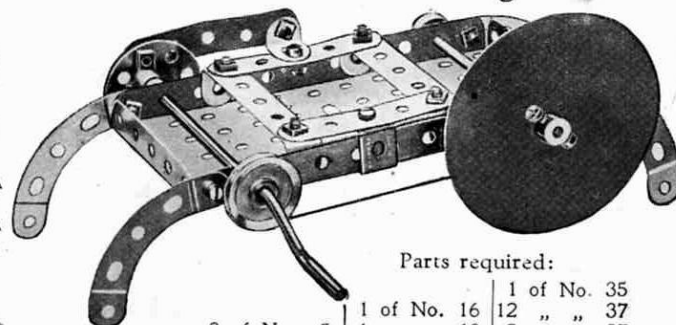


Parts  
required:  
6 of No. 5  
1 " " 10  
2 " " 11  
3 " " 12  
1 " " 23  
15 " " 37  
1 " " 37A  
1 " " 52  
4 " " 90A  
1 " " 111c

### Model No.0.54 Wiretail



### Model No.0.55 Bacon Slicing Machine



Parts required:

3 of No. 5	1 of No. 16	1 of No. 35
2 " " 11	1 " " 19s	12 " " 37
1 " " 12	2 " " 22	2 " " 37A
	1 " " 23	2 " " 48A
	1 " " 24	1 " " 52
		4 " " 90A

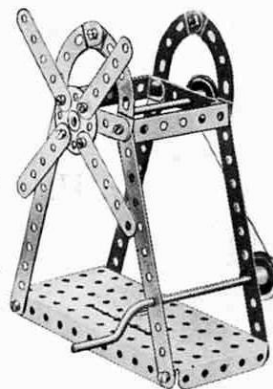
### Model No. 0.53 Tramway Car

Parts required:

3 of No. 2	16 of No. 37
6 " " 5	6 " " 37A
2 " " 10	2 " " 48A
2 " " 16	1 " " 52
2 " " 17	4 " " 90A
4 " " 22	6 " " 111c
6 " " 35	2 " " 125

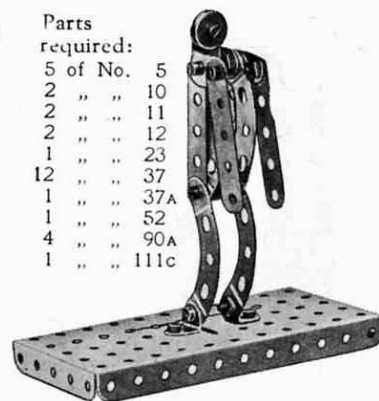
### Model No.0.56 Windmill

Parts  
required:  
4 of No. 2  
6 " " 5  
1 " " 16  
1 " " 19s  
2 " " 22  
1 " " 24  
14 " " 37  
2 " " 48A  
1 " " 52  
4 " " 90A



### Model No.0.57 Ape

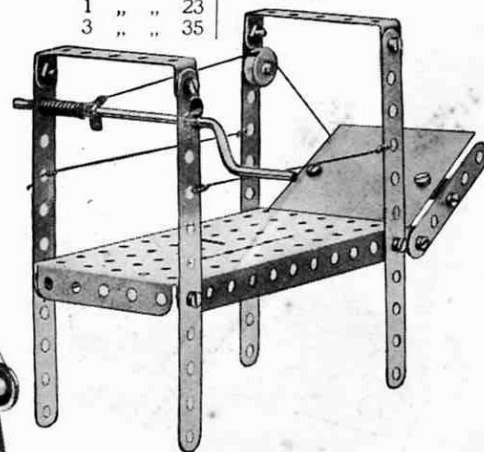
Parts  
required:  
5 of No. 5  
2 " " 10  
2 " " 11  
2 " " 12  
1 " " 23  
12 " " 37  
1 " " 37A  
1 " " 52  
4 " " 90A  
1 " " 111c



### Model No.0.58 Gangway

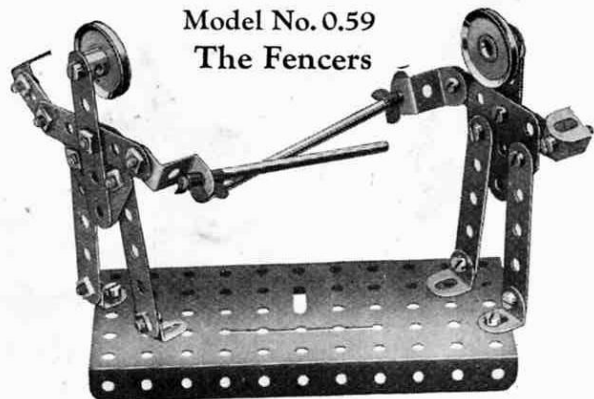
Parts required:

4 of No. 2	16 of No. 37
2 " " 5	2 " " 37A
4 " " 12	1 " " 52
1 " " 19s	1 " " 111c
1 " " 23	
3 " " 35	



These Models can be built with MECCANO Outfit No. 0 (or No. 00 and No. 00A)

**Model No. 0.59**  
**The Fencers**



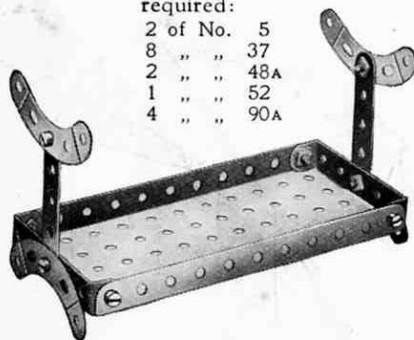
Parts required:

8 of No. 5	4 of No. 35
2 " " 10	20 " " 37
6 " " 12	1 " " 52
2 " " 16	2 " " 125
2 " " 22	2 " " 126A

**Model No. 0.60 Pen Rack**

Parts required:

2 of No. 5
8 " " 37
2 " " 48A
1 " " 52
4 " " 90A

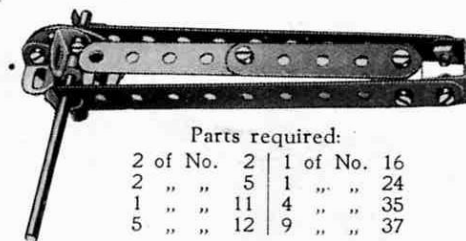


**Model No. 0.63**  
**Music Stand**

Parts required:

1 of No. 2
9 " " 5
3 " " 12
12 " " 37
2 " " 48A
1 " " 126

**Model No. 0.61 Rattle**



Parts required:

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

**Model No. 0.62**  
**Single Sheave Pulley Block**



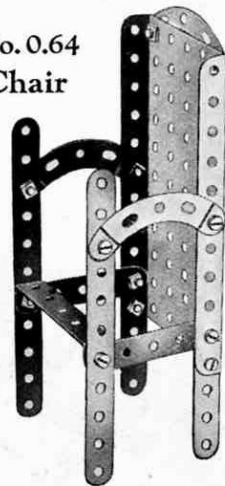
Parts required:

2 of No. 5	7 of No. 37A
1 " " 23	1 " " 57
3 of No. 111c	

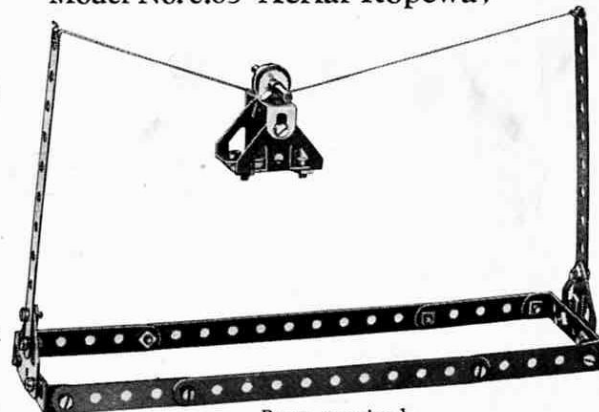
**Model No. 0.64**  
**Arm Chair**

Parts required:

2 of No. 2
4 " " 5
12 " " 37
1 " " 48A
1 " " 52
3 " " 90A



**Model No. 0.65 Aerial Ropeway**



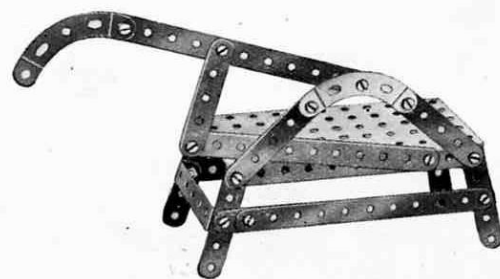
Parts required:

4 of No. 2	1 of No. 23	2 of No. 48A
4 " " 5	2 " " 35	2 " " 125
2 " " 10	22 " " 37	2 " " 126
1 " " 17	1 " " 40	2 " " 126A

**Model No. 0.66 Shearing Machine**

Parts required:

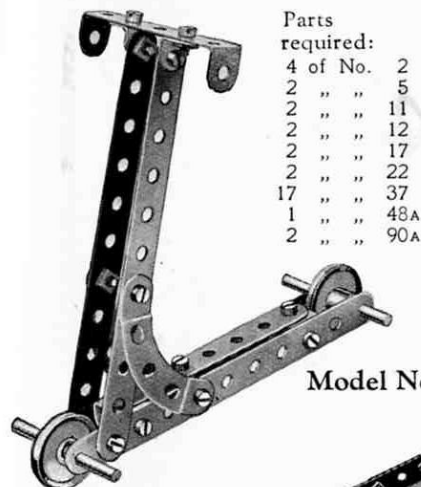
4 of No. 2	2 of No. 48A
7 " " 5	1 " " 52
17 " " 37	2 " " 90A



These Models can be built with MECCANO Outfit No. 0 (or No. 00 and No. 00A)

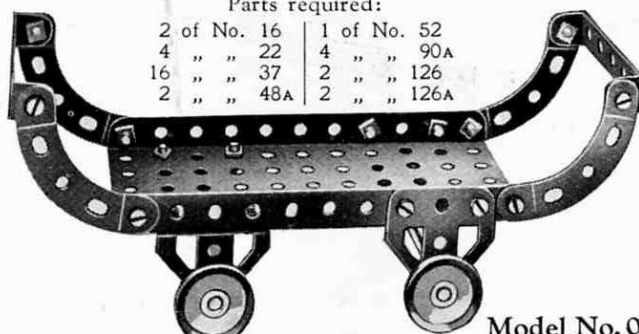
29

**Model No. 0.67 Scooter**



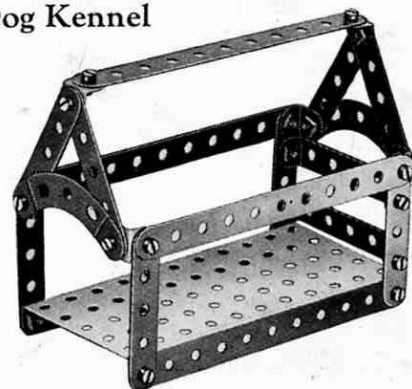
Parts  
required:  
4 of No. 2  
2 " " 5  
2 " " 11  
2 " " 12  
2 " " 17  
2 " " 22  
17 " " 37  
1 " " 48A  
2 " " 90A

**Model No. 0.69 Push Cart**



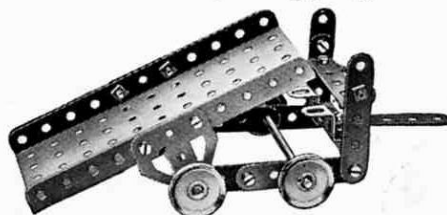
Parts required:  
2 of No. 16 | 1 of No. 52  
4 " " 22 | 4 " " 90A  
16 " " 37 | 2 " " 126  
2 " " 48A | 2 " " 126A

**Model No. 0.71  
Dog Kennel**

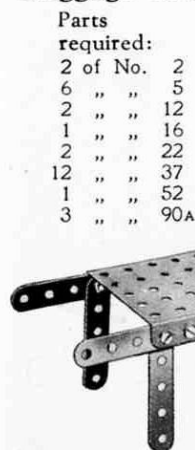


Parts  
required:  
3 of No. 2  
8 " " 5  
6 " " 12  
20 " " 37  
2 " " 48A  
1 " " 52  
2 " " 90A

**Model No. 0.70 Tipping Cart**



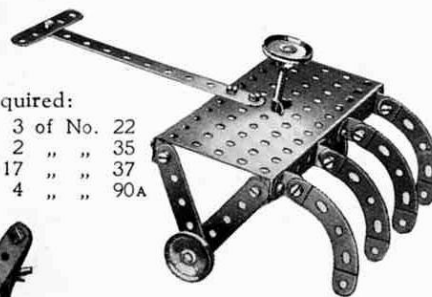
**Model No. 0.68  
Luggage Truck**



Parts  
required:  
2 of No. 2  
6 " " 5  
2 " " 12  
1 " " 16  
2 " " 22  
12 " " 37  
1 " " 52  
3 " " 90A

Parts required:  
7 of No. 5 | 15 of No. 37 | 1 of No. 90A  
2 " " 16 | 2 " " 48A | 2 " " 125  
4 " " 22 | 1 " " 52 | 2 " " 126A

**Model No. 0.72  
Horse Rake**

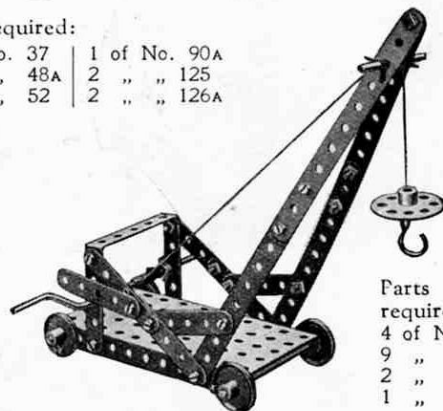


Parts required:  
1 of No. 2 | 3 of No. 22  
5 " " 5 | 2 " " 35  
8 " " 12 | 17 " " 37  
1 " " 17 | 4 " " 90A

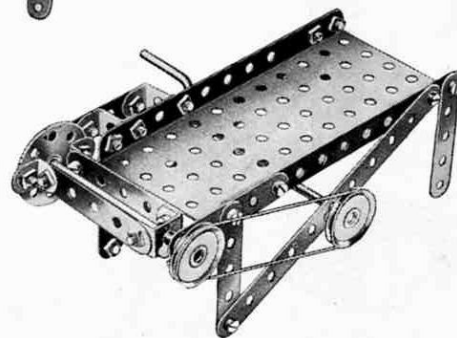
**Model No. 0.74  
Chaff Cutter**

Parts required:  
2 of No. 2 | 2 of No. 22  
8 " " 5 | 1 " " 24  
1 " " 11 | 2 " " 35  
2 " " 12 | 19 " " 37  
1 " " 16 | 1 " " 52  
1 " " 19s | 2 " " 125

**Model No. 0.73  
Jib Crane**

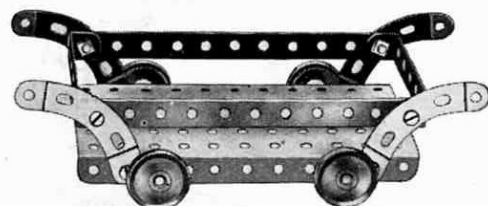


Parts  
required:  
4 of No. 2  
9 " " 5  
2 " " 16  
1 " " 17  
1 of No. 19s  
4 " " 22  
1 " " 23  
1 " " 24  
4 " " 35  
17 " " 37  
1 " " 40  
1 " " 48A  
1 " " 52  
1 " " 57



These Models can be built with MECCANO Outfit No. 0 (or No. 00 and No. 00A)

Model No.0.75 Trolley



Parts required:

2 of No. 2	8 of No. 37
2 " " 16	2 " " 48A
4 " " 22	1 " " 52
4 of No. 90A	



Model No.0.76 Hat Rack

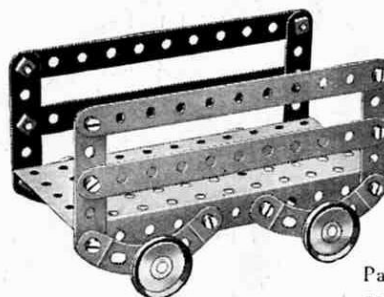
Parts required:

2 of No. 2	
4 " " 5	
2 " " 11	
5 " " 12	
1 " " 17	
1 " " 22	
20 " " 37	
2 " " 48A	
4 " " 90A	
2 " " 126A	

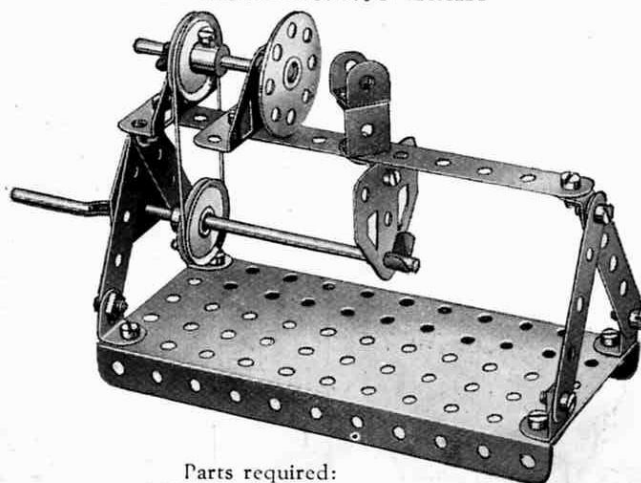
Model No.0.77 Luggage Truck

Parts required:

4 of No. 2	
4 " " 5	
2 " " 16	
4 " " 22	
16 " " 37	
1 " " 52	
4 " " 90A	



Model No.0.78 Lathe



Parts required:

1 of No. 2	2 of No. 22
4 " " 5	1 " " 24
2 " " 11	3 " " 35
7 " " 12	16 " " 37
1 " " 17	1 " " 52
1 " " 19s	2 " " 126
2 of No. 126A	

Model No.0.79 Swing



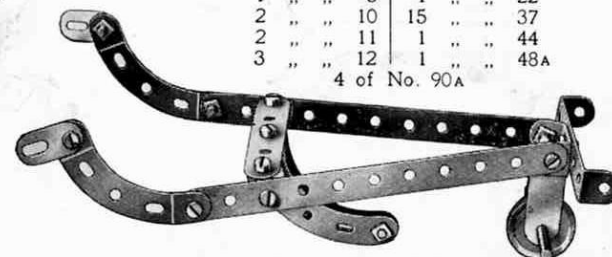
Parts required:

4 of No. 2	
7 " " 5	
2 " " 10	
4 " " 12	
21 " " 37	
1 " " 40	
2 " " 48A	
1 " " 52	
2 " " 90A	
2 " " 126	

Model No.0.80 Plough

Parts required:

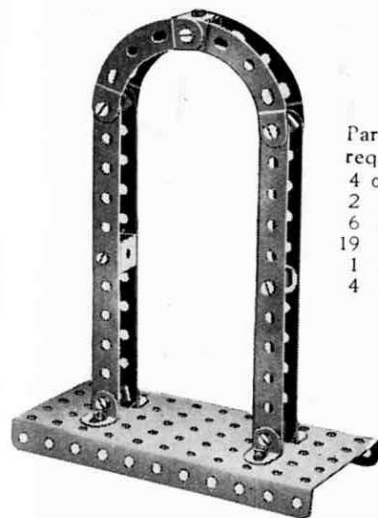
2 of No. 2	1 of No. 17
1 " " 5	1 " " 22
2 " " 10	15 " " 37
2 " " 11	1 " " 44
3 " " 12	1 " " 48A
4 of No. 90A	



These Models can be built with MECCANO Outfit No. 0 (or No. 00 and No. 00A)

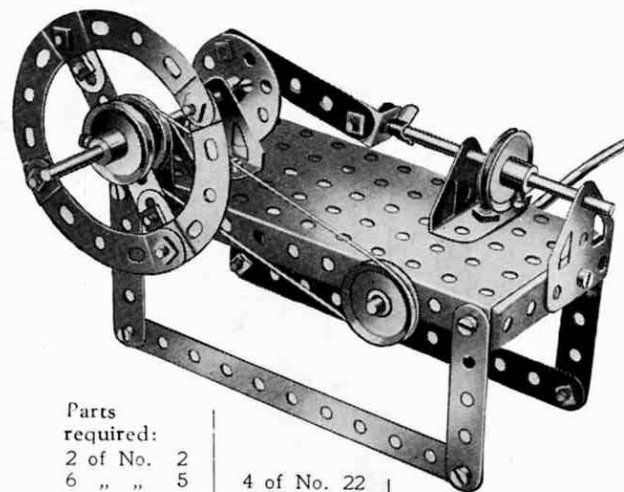
31

Model No.0.81 Arch



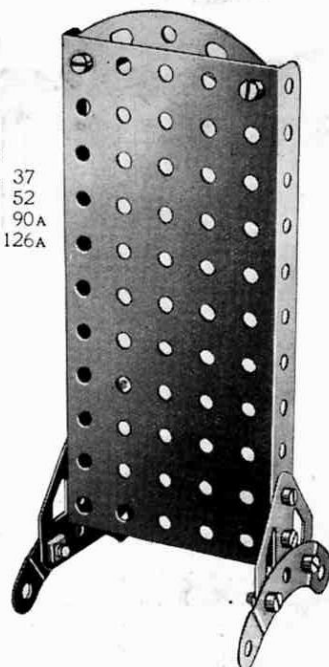
Parts  
required:  
4 of No. 2  
2 " " 11  
6 " " 12  
19 " " 37  
1 " " 52  
4 " " 90A

Model No.0.83 Horizontal Engine



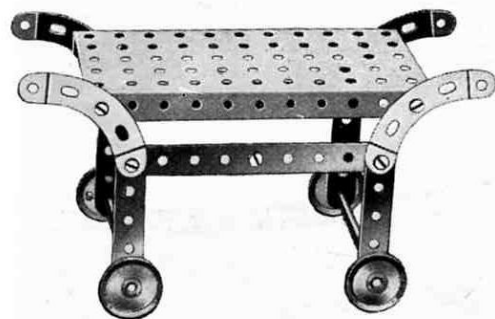
Parts required:		
2 of No. 2	4 of No. 22	1 of No. 52
6 " " 5	1 " " 24	4 " " 90A
2 " " 10	3 " " 35	2 " " 126
1 " " 12	21 " " 37	2 " " 126A
2 " " 16	1 " " 48A	
1 " " 19s		

Model No.0.85 Notice Board



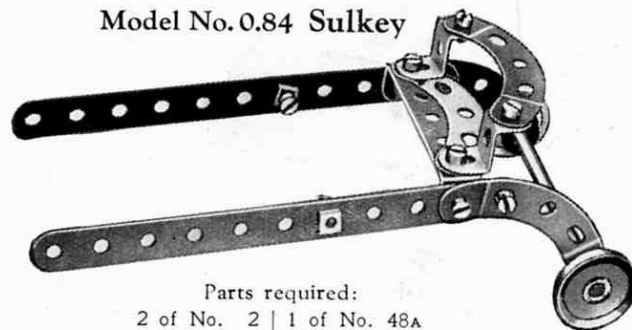
Parts  
required:  
10 of No. 37  
1 " " 52  
3 " " 90A  
2 " " 126A

Model No.0.82 Tea Wagon



Parts required:  
8 of No. 5 | 10 of No. 37  
2 " " 16 | 1 " " 52  
4 " " 22 | 4 " " 90A

Model No.0.84 Sulkey



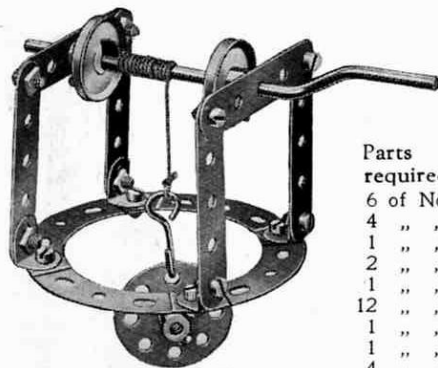
Parts required:  
2 of No. 2 | 1 of No. 48A  
2 " " 22 | 4 " " 90A  
10 " " 37 | 2 " " 125

Model No.0.86 Drafting Table



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

Model No.0.87 Well Windlass



Parts required:

6 of No.	5
4 " "	12
1 " "	19s
2 " "	22
1 " "	24
12 " "	37
1 " "	40
1 " "	57
4 " "	90A

Model No.0.89  
Pulley Block

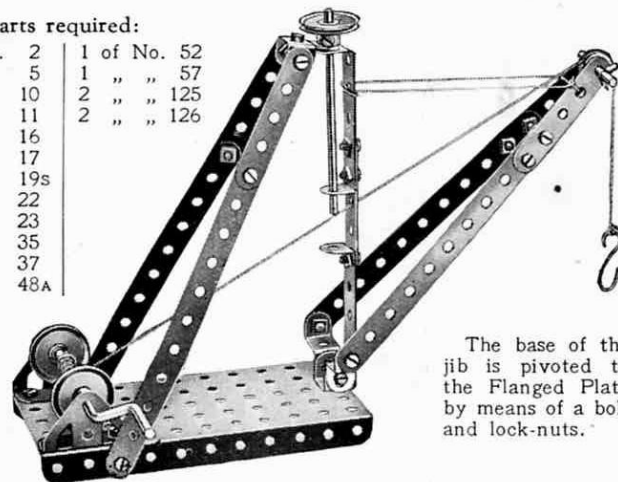
Parts required:

4 of No.	2	1 of No.	22	1 of No.	52
2 " "	5	1 " "	23	1 " "	57
2 " "	11	1 " "	24	2 " "	90A
1 " "	17	5 " "	35	2 " "	126
1 " "	19s	20 " "	37	2 " "	126A

Model No.0.90 Derricking Crane

Parts required:

4 of No.	2	1 of No.	52
5 " "	5	1 " "	57
1 " "	10	2 " "	125
2 " "	11	2 " "	126
1 " "	16		
1 " "	17		
1 " "	19s		
3 " "	22		
1 " "	23		
2 " "	35		
22 " "	37		
2 " "	48A		

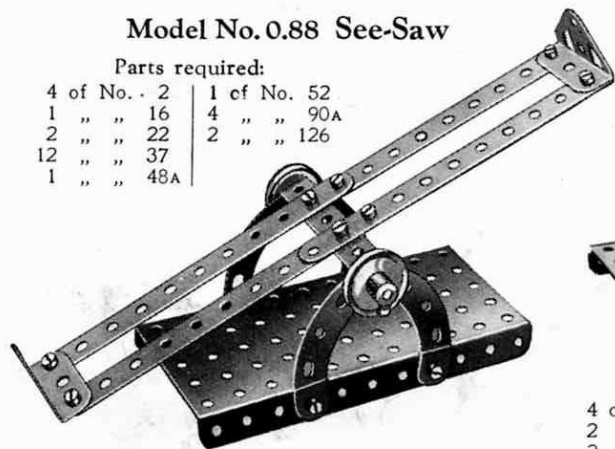


The base of the jib is pivoted to the Flanged Plate by means of a bolt and lock-nuts.

Model No.0.88 See-Saw

Parts required:

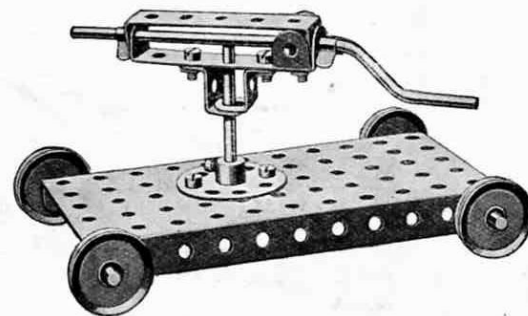
4 of No.	2	1 of No.	52
1 " "	16	4 " "	90A
2 " "	22	2 " "	126
12 " "	37		
1 " "	48A		

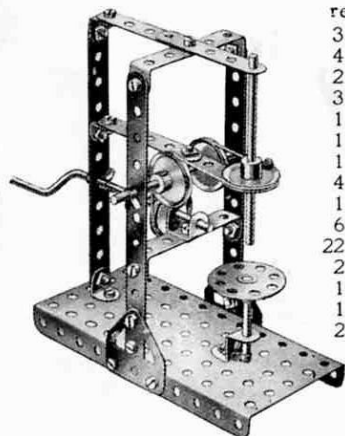


Model No.0.91 Rock Drill

Parts required:

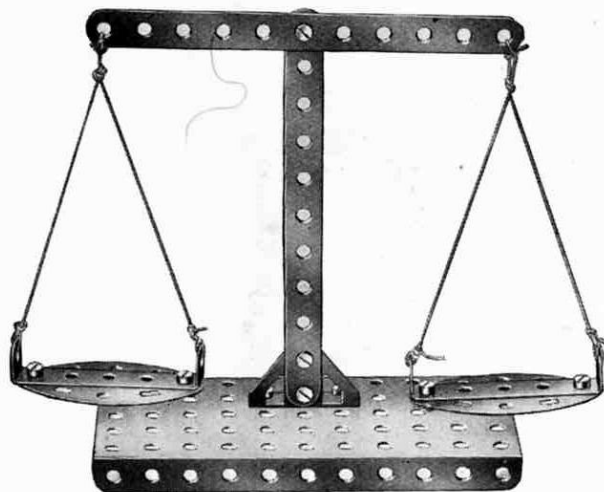
1 of No.	11	4 of No.	22	2 of No.	48A
2 " "	16	1 " "	24	1 " "	52
1 " "	17	2 " "	35	2 " "	125
1 " "	19s	5 " "	37		



**Model No.0.92 Drilling Machine**

Parts required:

3 of No.	2
4 " "	5
2 " "	11
3 " "	12
1 " "	16
1 " "	17
1 " "	19s
4 " "	22
1 " "	24
6 " "	35
22 " "	37
2 " "	48A
1 " "	52
1 " "	125
2 " "	126A

**Model No.0.94 Scales**

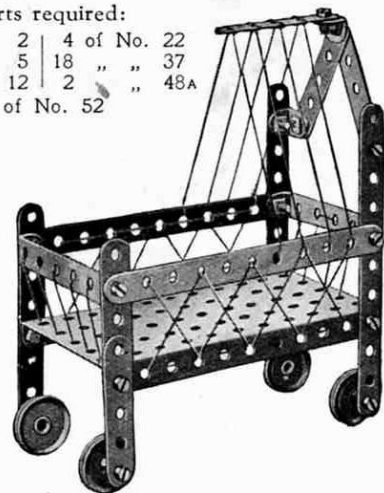
Parts required:

2 of No.	2	2 of No.	48A
9 " "	37	1 " "	52
1 " "	37A	4 " "	90A
1 of No. 166			

**Model No.0.96 Cot**

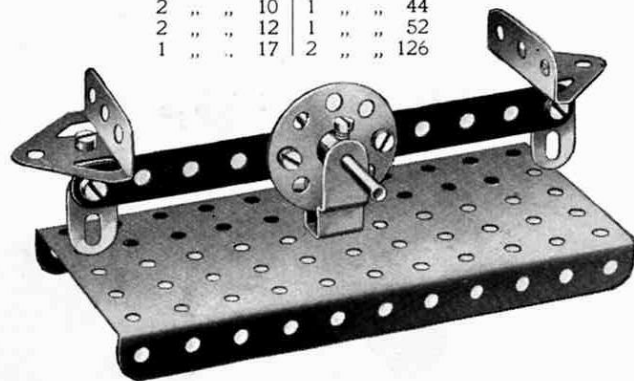
Parts required:

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

**Model No.0.93 Counter Scales**

Parts required:

1 of No.	2	7 of No.	37
2 " "	10	1 " "	44
2 " "	12	1 " "	52
1 " "	17	2 " "	126

**Model No.0.95  
Single Sheave  
Pulley Block**

Parts

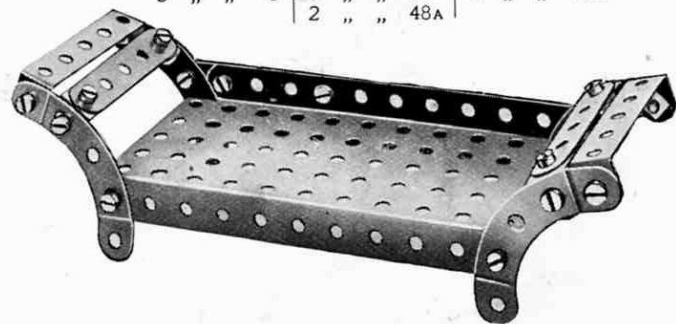
required:

1 of No.	23
12 " "	37A
1 " "	57
4 " "	111c
2 " "	126A

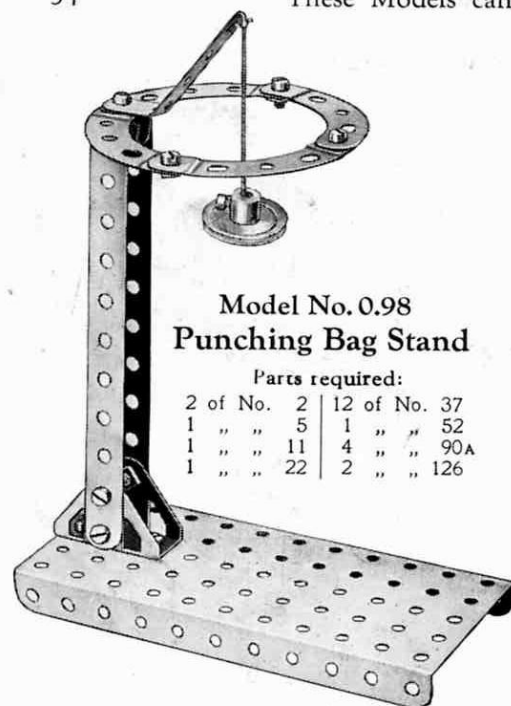
**Model No.0.97 Couch**

Parts required:

1 of No.	2	4 of No.	12	1 of No.	52
3 " "	5	20 " "	37	4 " "	90A
		2 " "	48A		



These Models can be built with MECCANO Outfit No. 0 (or No. 00 and No. 00A)

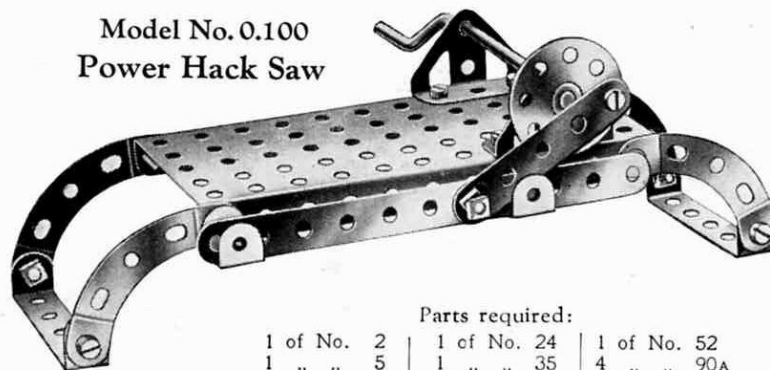


**Model No. 0.98**  
**Punching Bag Stand**

Parts required:

2 of No. 2	12 of No. 37
1 " " 5	1 " " 52
1 " " 11	4 " " 90A
1 " " 22	2 " " 126

**Model No. 0.100**  
**Power Hack Saw**



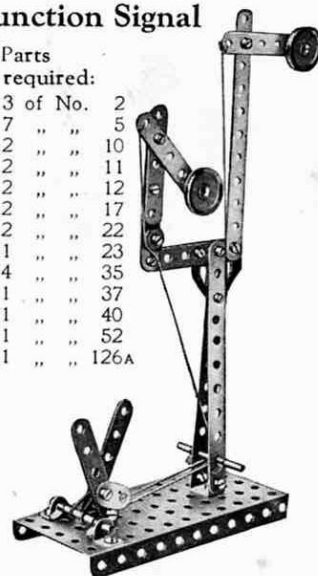
Parts required:

1 of No. 2	1 of No. 24	1 of No. 52
1 " " 5	1 " " 35	4 " " 90A
2 " " 11	16 " " 37	2 " " 126
1 " " 19s	2 " " 48A	

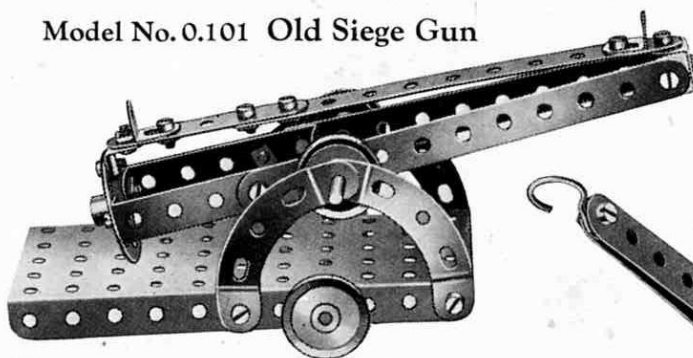
**Model No. 0.102**  
**Junction Signal**

Parts required:

3 of No. 2	5
7 " " 5	10
2 " " 10	11
2 " " 11	12
2 " " 12	17
2 " " 17	22
2 " " 22	23
1 " " 23	35
4 " " 35	37
21 " " 37	40
1 " " 40	52
1 " " 52	126A



**Model No. 0.101** **Old Siege Gun**



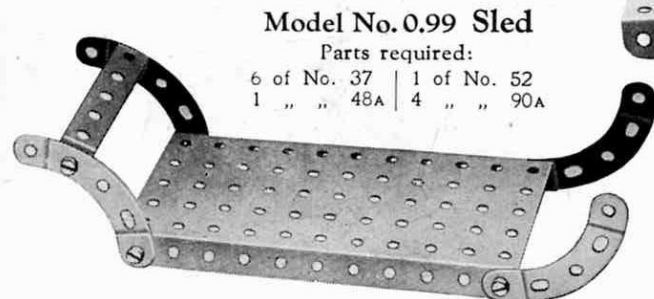
Parts required:

3 of No. 2	1 of No. 24
1 " " 5	18 " " 37
2 " " 11	2 " " 48A
4 " " 12	1 " " 52
2 " " 16	4 " " 90A
4 " " 22	

**Model No. 0.103** **Anchor**

Parts required:

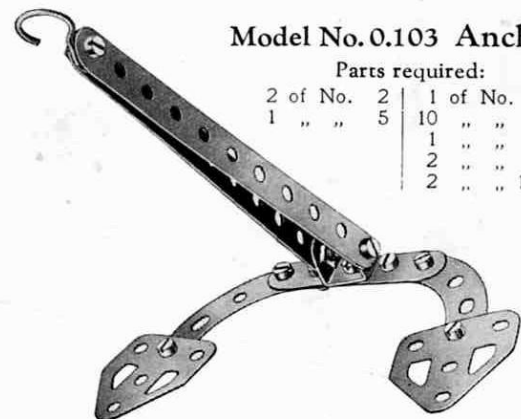
2 of No. 2	1 of No. 11
1 " " 5	10 " " 37
	1 " " 57
	2 " " 90A
	2 " " 126A



**Model No. 0.99** **Sled**

Parts required:

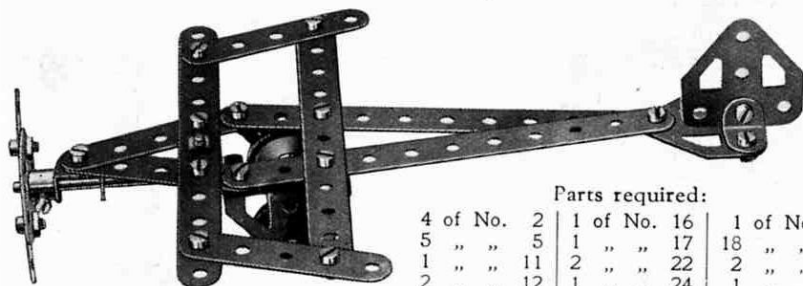
6 of No. 37	1 of No. 52
1 " " 48A	4 " " 90A



These Models can be built with MECCANO Outfit No. 0 (or No. 00 and No. 00A)

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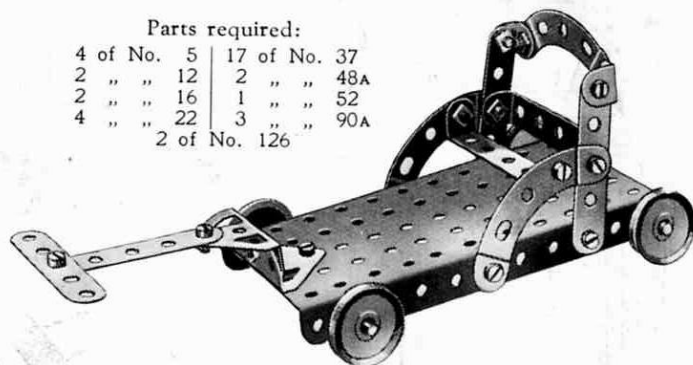
Model No. 0.104 Aeroplane



Parts required:

4 of No. 2	1 of No. 16	1 of No. 35
5 " " 5	1 " " 17	18 " " 37
1 " " 11	2 " " 22	2 " " 126
2 " " 12	1 " " 24	1 " " 126A

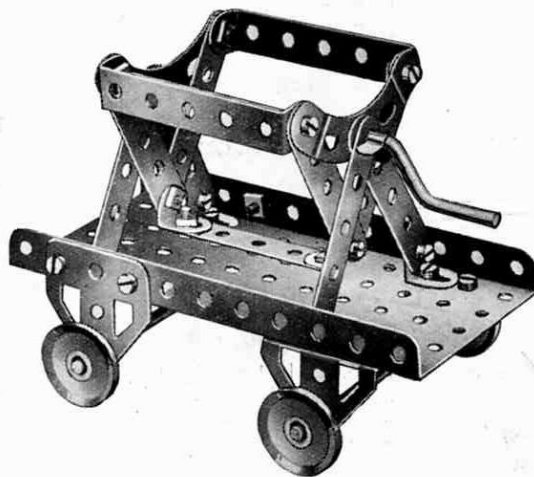
Model No. 0.107 Bath Chair



Parts required:

4 of No. 5	17 of No. 37
2 " " 12	2 " " 48A
2 " " 16	1 " " 52
4 " " 22	3 " " 90A
2 of No. 126	

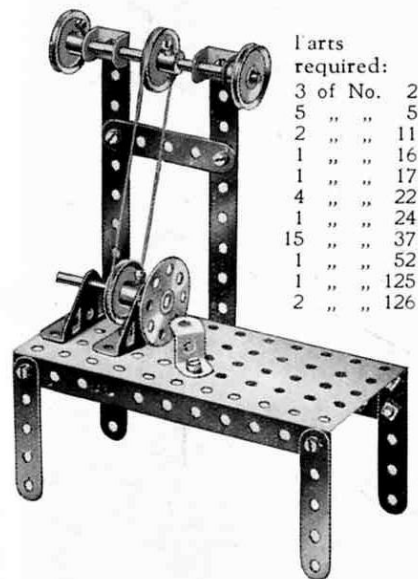
Model No. 0.106 Dump Car



Parts required:

9 of No. 5	2 of No. 35	2 of No. 90A
6 " " 12	22 " " 37	2 " " 126
1 " " 19s	2 " " 48A	2 " " 126A
4 " " 22	1 " " 52	

Model No. 0.105 Bench Lathe



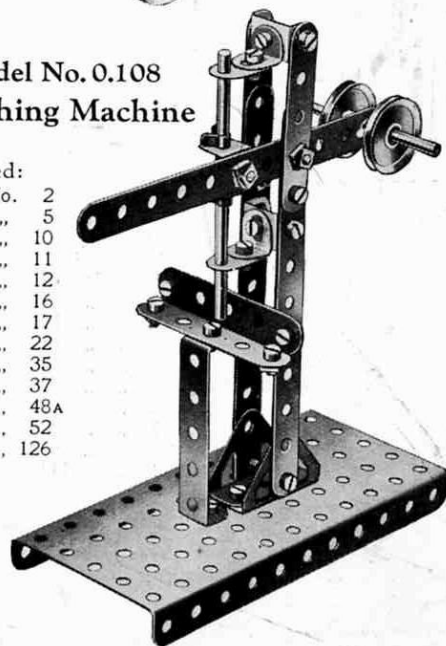
Parts required:

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

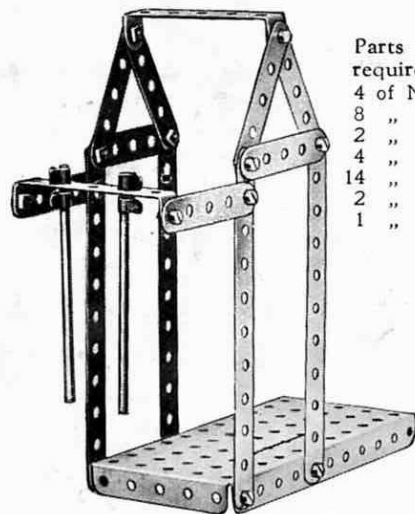
Model No. 0.108  
Punching Machine

Parts required:

3 of No. 2
4 " " 5
2 " " 10
2 " " 11
4 " " 12
1 " " 16
1 " " 17
2 " " 22
2 " " 35
22 " " 37
1 " " 48A
1 " " 52
2 " " 126

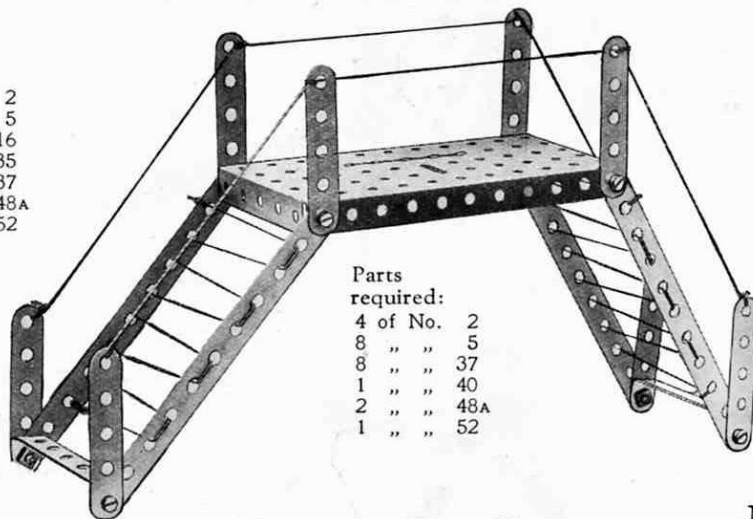


**Model No. 0.109**  
**Pneumatic Grain Elevator**



Parts  
required:  
4 of No. 2  
8 " " 5  
2 " " 16  
4 " " 35  
14 " " 37  
2 " " 48A  
1 " " 52

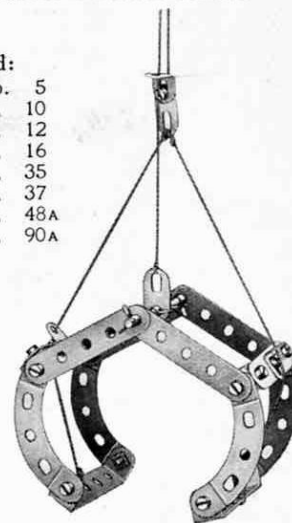
**Model No. 0.111 Footbridge**



Parts  
required:  
4 of No. 2  
8 " " 5  
8 " " 37  
1 " " 40  
2 " " 48A  
1 " " 52

**Model No. 0.113 Crane Grab**

Parts  
required:  
6 of No. 5  
2 " " 10  
7 " " 12  
1 " " 16  
6 " " 35  
15 " " 37  
2 " " 48A  
4 " " 90A

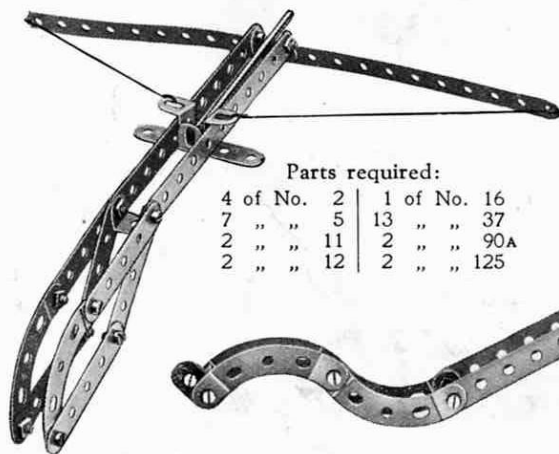


**Model No. 0.110**  
**Baboon**



Parts  
required:  
1 of No. 2  
6 " " 5  
1 " " 10  
2 " " 11  
3 " " 12  
1 " " 22  
12 " " 37  
1 " " 52  
4 " " 90A  
1 " " 111c

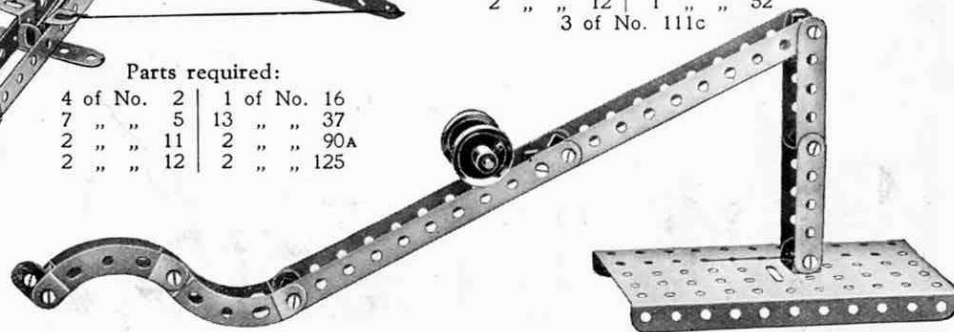
**Model No. 0.112 Cross-Bow**



Parts required:  
4 of No. 2 | 1 of No. 16  
7 " " 5 | 13 " " 37  
2 " " 11 | 2 " " 90A  
2 " " 12 | 2 " " 125

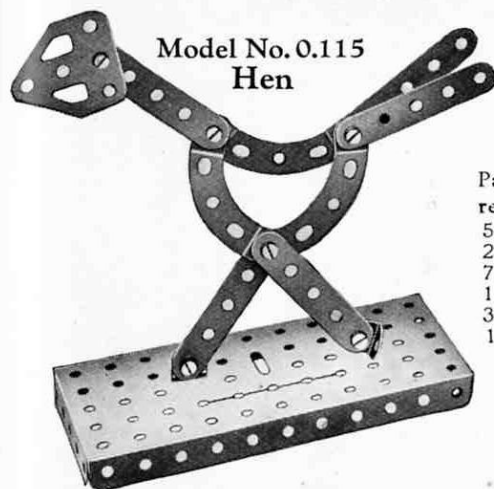
**Model No. 0.114 Switchback**

Parts required:  
4 of No. 2 | 1 of No. 17  
4 " " 5 | 2 " " 22  
1 " " 10 | 16 " " 37  
2 " " 11 | 3 " " 37A  
2 " " 12 | 1 " " 52  
3 of No. 111c



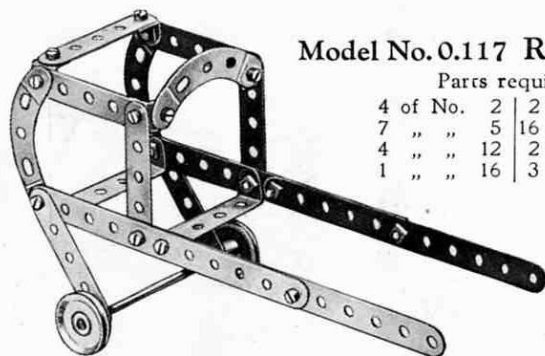
These Models can be built with MECCANO Outfit No. 0 (or No. 00 and No. 00A)

37



**Model No. 0.115  
Hen**

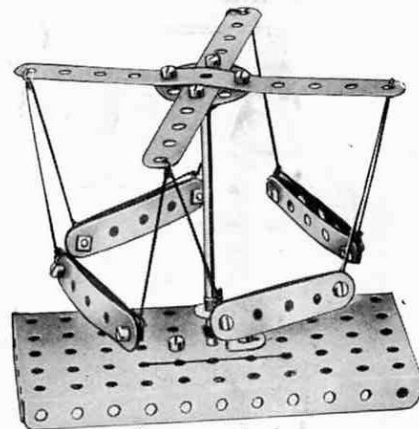
Parts  
required:  
5 of No. 5  
2 " " 12  
7 " " 37  
1 " " 52  
3 " " 90A  
1 " " 126A



**Model No. 0.117 Rickshaw**

Parts required:  
4 of No. 2 | 2 of No. 22  
7 " " 5 | 16 " " 37  
4 " " 12 | 2 " " 48A  
1 " " 16 | 3 " " 90A

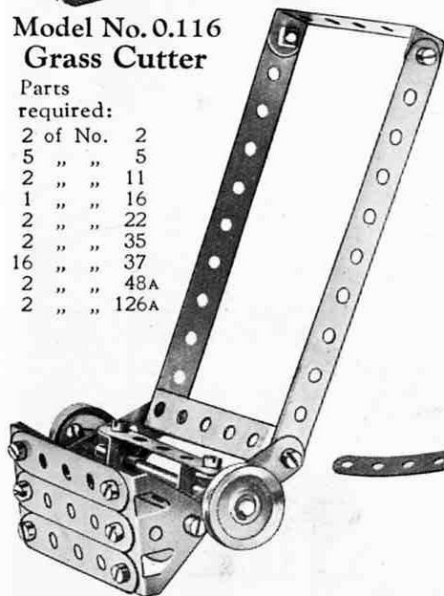
**Model No. 0.120 Fly Boats**



Parts required:  
2 of No. 2 | 13 of No. 37  
8 " " 5 | 1 " " 52  
1 " " 16 | 1 " " 125  
1 " " 24

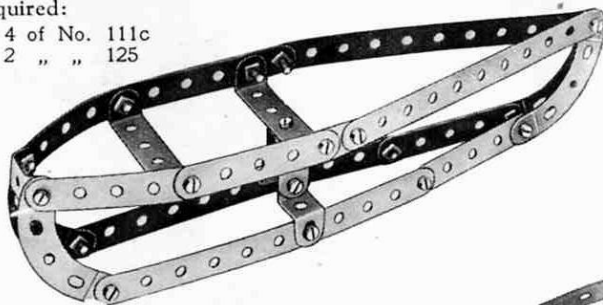
**Model No. 0.116  
Grass Cutter**

Parts  
required:  
2 of No. 2  
5 " " 5  
2 " " 11  
1 " " 16  
2 " " 22  
2 " " 35  
16 " " 37  
2 " " 48A  
2 " " 126A



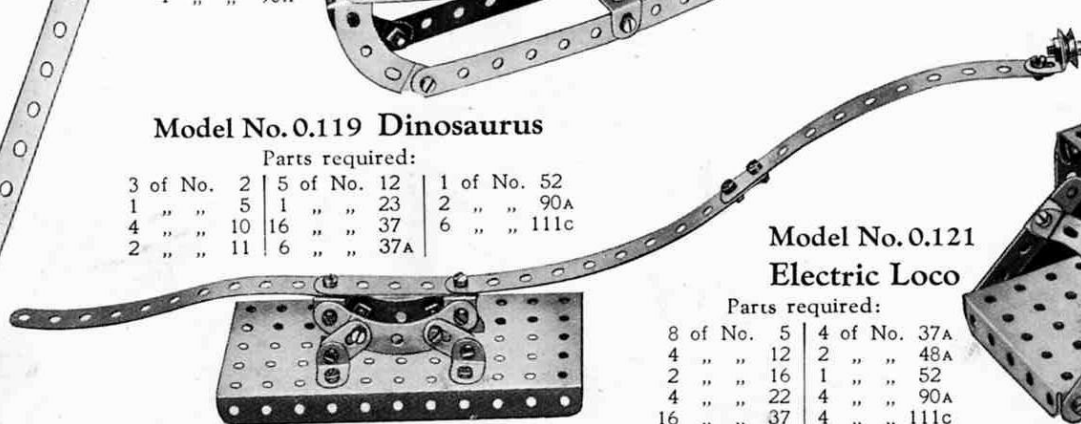
**Model No. 0.118 Rowing Boat**

Parts required:  
4 of No. 2 | 4 of No. 111c  
6 " " 5 | 2 " " 125  
2 " " 10  
1 " " 11  
16 " " 37  
4 " " 37A  
1 " " 44  
2 " " 48A  
4 " " 90A



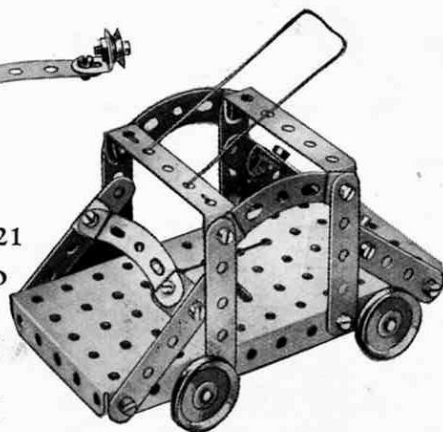
**Model No. 0.119 Dinosaur**

Parts required:  
3 of No. 2 | 5 of No. 12 | 1 of No. 52  
1 " " 5 | 1 " " 23 | 2 " " 90A  
4 " " 10 | 16 " " 37 | 6 " " 111c  
2 " " 11 | 6 " " 37A



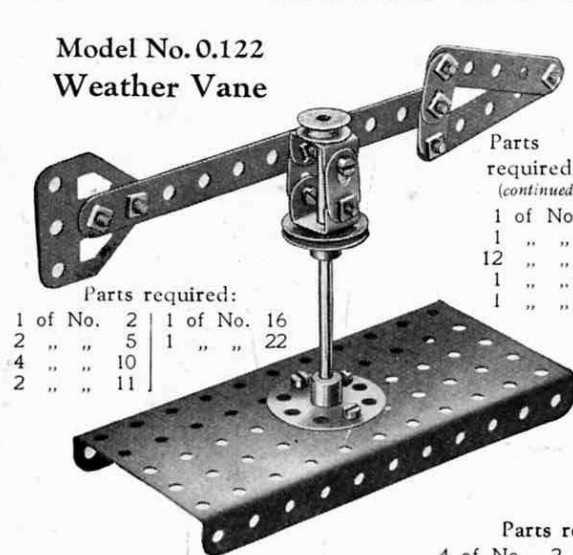
**Model No. 0.121  
Electric Loco**

Parts required:  
8 of No. 5 | 4 of No. 37A  
4 " " 12 | 2 " " 48A  
2 " " 16 | 1 " " 52  
4 " " 22 | 4 " " 90A  
16 " " 37 | 4 " " 111c



These Models can be built with MECCANO Outfit No. 0 (or No. 00 and No. 00A)

**Model No. 0.122  
Weather Vane**



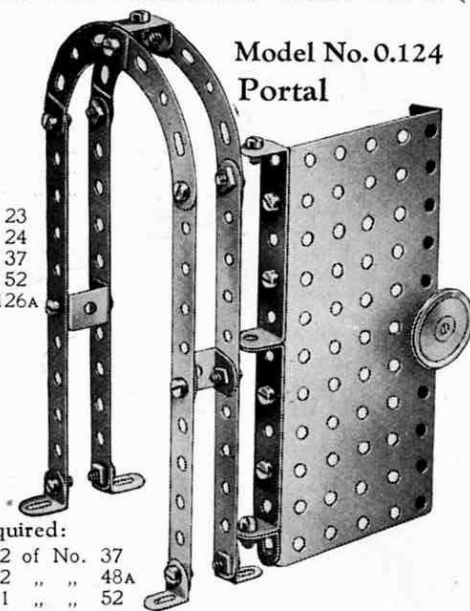
Parts required:

1 of No. 2	1 of No. 16
2 " " 5	1 " " 22
4 " " 10	
2 " " 11	

Parts  
required  
(continued):

1 of No. 23
1 " " 24
12 " " 37
1 " " 52
1 " " 126A

**Model No. 0.124  
Portal**



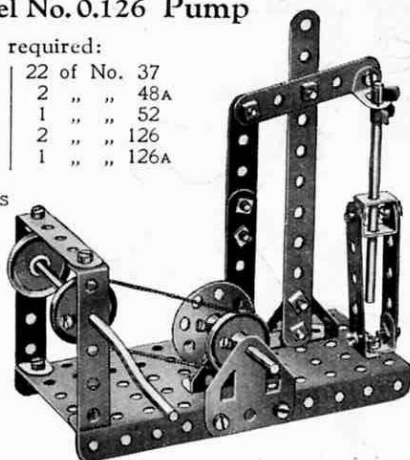
Parts required:

4 of No. 2	22 of No. 37
2 " " 11	2 " " 48A
8 " " 12	1 " " 52
1 " " 22	4 " " 90A

**Model No. 0.126 Pump**

Parts required:

1 of No. 2	22 of No. 37
6 " " 5	2 " " 48A
2 " " 11	1 " " 52
3 " " 12	2 " " 126
1 " " 16	1 " " 126A
1 " " 17	
1 " " 19s	
3 " " 22	
1 " " 24	
2 " " 35	



The connecting Strip is pivoted by bolts and nuts at one end to the Bush Wheel and at the other end to the cross beam. The latter is pivoted by the same means to the upright.



**Model No. 0.123  
Walking Man**

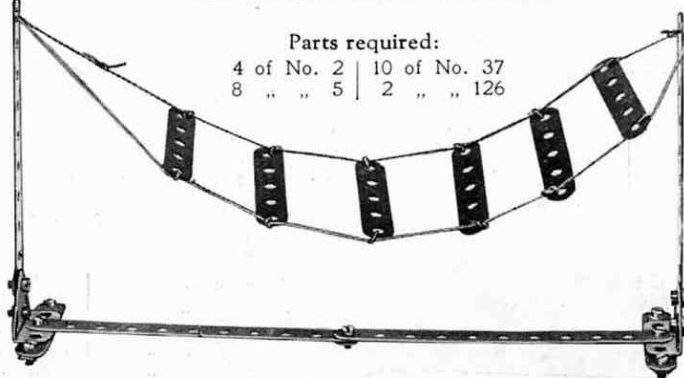
Parts  
required:

5 of No. 5
3 " " 10
2 " " 12
1 " " 22
7 " " 37
3 " " 90A

**Model No. 0.125 Hammock**

Parts required:

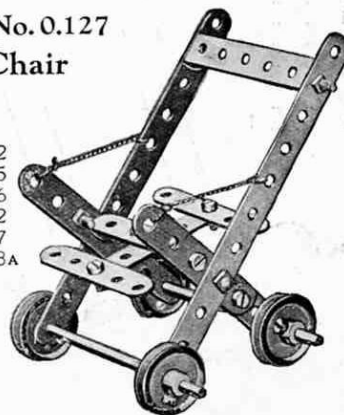
4 of No. 2	10 of No. 37
8 " " 5	2 " " 126



**Model No. 0.127  
Go Chair**

Parts  
required:

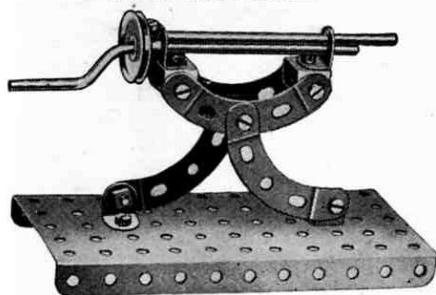
2 of No. 2
7 " " 5
2 " " 16
4 " " 22
11 " " 37
2 " " 48A



These Models can be built with MECCANO Outfit No. 0 (or No. 00 and No. 00A)

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**Model No. 0.128  
Machine Gun**



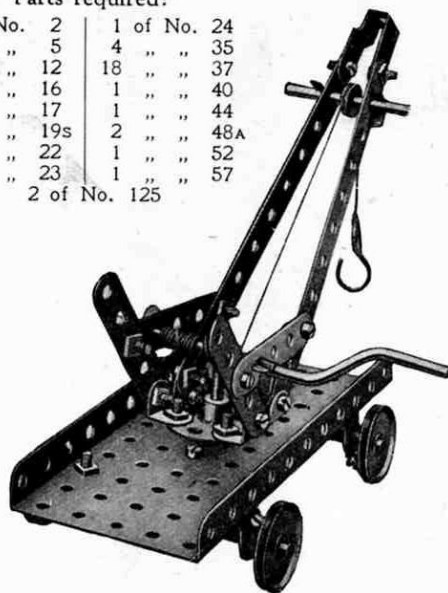
Parts required:

2 of No. 11	1 of No. 22
4 " " 12	12 " " 37
1 " " 16	1 " " 52
1 " " 19s	4 " " 90A

**Model No. 0.130 Swivelling Crane**

Parts required:

2 of No. 2	1 of No. 24
4 " " 5	4 " " 35
4 " " 12	18 " " 37
2 " " 16	1 " " 40
2 " " 17	1 " " 44
1 " " 19s	2 " " 48A
4 " " 22	1 " " 52
1 " " 23	1 " " 57
2 of No. 125	



**Model No. 0.132 Prancing Horse**

Parts required:

6 of No. 5	
4 " " 12	
1 " " 17	
1 " " 19s	
4 " " 22	
1 " " 24	
20 " " 37	
1 " " 44	
1 " " 52	
1 " " 90A	
2 " " 125	
1 " " 126	
1 " " 126A	

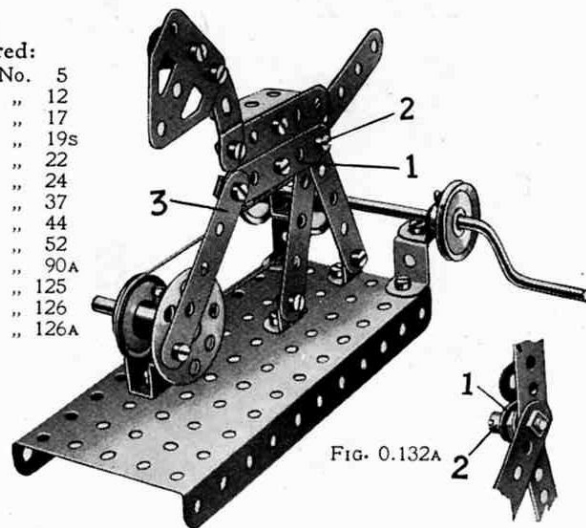
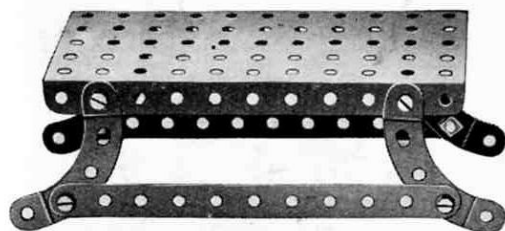


Fig. 0.132A

The Strip 1 forming part of the body is free to move about the Bolt 2, but two nuts on the latter secure the rear legs and tail rigidly together. The arrangement of the various Strips about this Bolt 2 is shown more clearly in Fig. 0.132A. The Strip 3 is free to move at each end about pivots formed from bolts and nuts.

**Model No. 0.129 Bench**



Parts required:

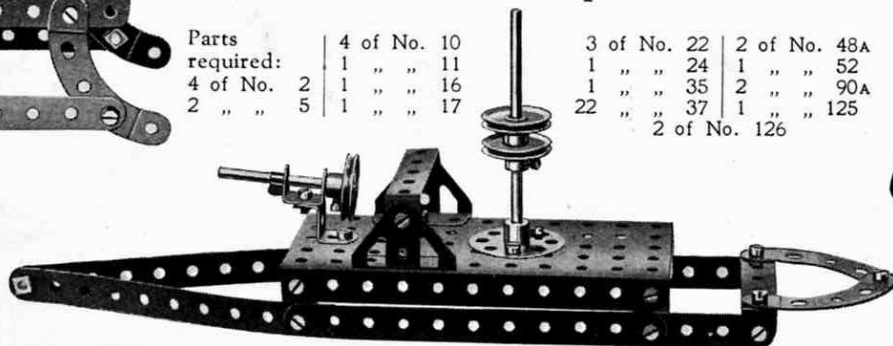
2 of No. 2
8 " " 37
1 " " 52
4 " " 90A

**Model No. 0.131 Battleship**

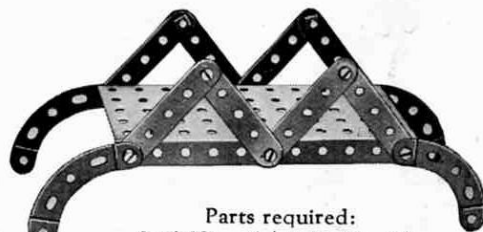
Parts required:

4 of No. 10
1 " " 11
4 of No. 2
1 " " 16
2 " " 5
1 " " 17

3 of No. 22	2 of No. 48A
1 " " 24	1 " " 52
1 " " 35	2 " " 90A
22 " " 37	1 " " 125
2 of No. 126	



**Model No. 0.133 Viaduct**

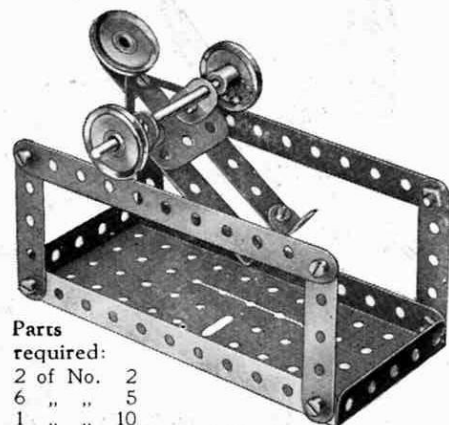


Parts required:

8 of No. 5	1 of No. 52
10 " " 37	4 " " 90A

These Models can be built with MECCANO Outfit No. 0 (or No. 00 and No. 00A)

**Model No. 0.134  
Parallel Bars**



Parts  
required:

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

**Model No. 0.136 Candle Shade**

Parts  
required:

4 of No.	5
8 " "	12
1 " "	24
16 " "	37
4 " "	90A



**Model No. 0.137  
Prehistoric Animal**



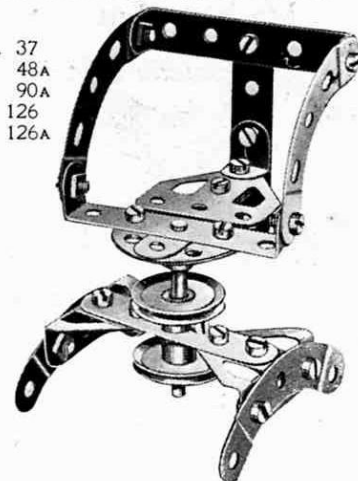
Parts  
required:

4 of No.	2
2 " "	5
5 " "	10
2 " "	11
4 " "	12
14 " "	37
4 " "	90A

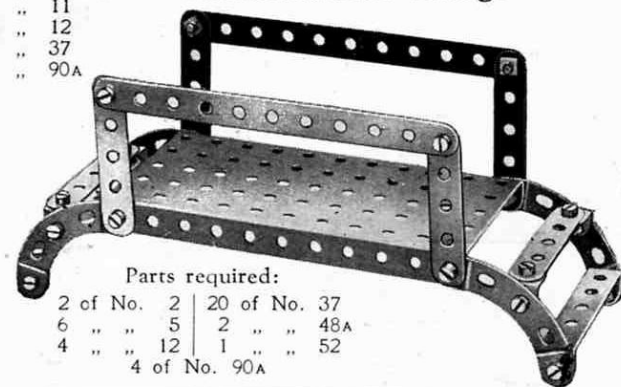
**Model No. 0.138 Revolving Office Chair**

Parts required:

3 of No.	5	18 of No.	37
1 " "	12	2 " "	48A
1 " "	17	4 " "	90A
2 " "	22	2 " "	126
1 " "	24	1 " "	126A

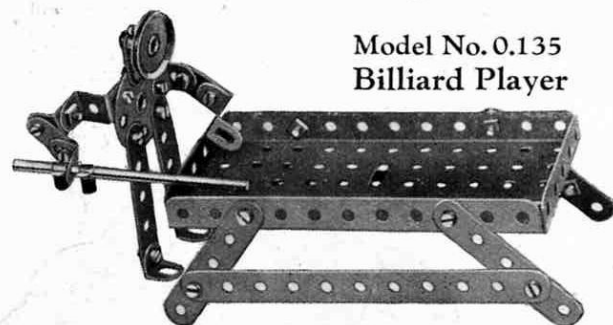


**Model No. 0.139 Bridge**



Parts required:

2 of No.	2	20 of No.	37
6 " "	5	2 " "	48A
4 " "	12	1 " "	52
		4 of No.	90A



**Model No. 0.135  
Billiard Player**

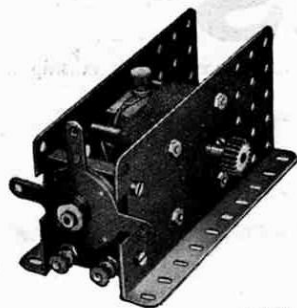
Parts  
required:

2 of No.	2
6 " "	5
3 " "	10
5 " "	12
1 " "	16
1 " "	22
1 " "	24
2 " "	35
21 " "	37
2 " "	125

### HOW TO CONTINUE

This completes our examples of models that may be made with MECCANO Outfit No. 0. The next models are a little more advanced, requiring a number of extra parts to construct them. The necessary parts are all contained in a No. 0A Accessory Outfit, the price of which will be found in the list at the end of this Manual.

## MECCANO MOTORS



### Electric Motor No. 1 (6 Volt)

The 6-volt Motor is specially designed to build into Meccano models. It may be run from a 6-volt Accumulator, or, by employing a suitable transformer, direct from the main. It is fitted with reversing motion, provided with stopping and starting controls, and the gearing is interchangeable.

**NOTE.**—The Electric Motor No. 1 will not run satisfactorily from dry cells.

### 6-Volt Accumulator

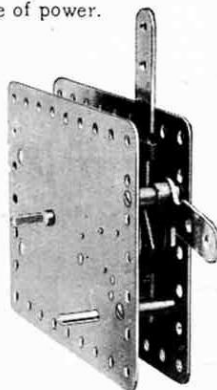
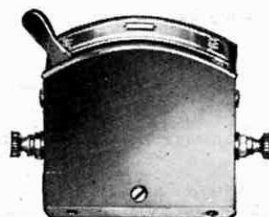
This new and excellent type of Accumulator has been adapted to drive the Electric Motor No. 1. It has been subjected to the severest tests and has proved itself to be the most suitable accumulator for use with any type of electric motor. It is non-spillable, has remarkable recuperative powers, and will continue to supply current when nominally exhausted.

### Transformer

By means of this transformer the Meccano Electric Motor No. 1 (6 volt) may be driven direct from the house supply (alternating current only). It is available for all standard supply voltages, from 100 to 250 inclusive, at all standard frequencies. The supply voltage and frequency must be specified when ordering.

### Resistance Controller

By employing this variable resistance the speed of the Meccano Electric Motor No. 1 (6 volt) may be regulated as desired. The controller is connected in series with the motor and accumulator, or with the motor and transformer if a transformer is used as the source of power.



### Clockwork Motor

The Meccano Clockwork Motor is specially made for the purpose of driving Meccano models. It is a fine piece of mechanism—simple, powerful, and reliable. The starting, stopping and reversing levers enable the operator to control the various movements of a model in exactly the same manner as an engineer does in actual practice.

## MECCANO ACCESSORY OUTFITS

### Meccano Accessory Outfits

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

*For prices of the above see price list at end of Manual.*



### Special Inventor's Outfit

This Outfit is intended for boys who already have Meccano, and who wish to satisfy their inventive inclinations by building models from their own designs. The parts contained include four large Pulley Wheels with Dunlop Tyres, Ball Race, Ship's Funnel, Pulley Blocks, Channel Bearing, Crane Grab and many others.



# HORNBY TRAINS

Hornby Trains are manufactured by Meccano Limited and they are made from the finest materials obtainable. Each train is a beautiful piece of workmanship with perfect mechanism. All Hornby Locomotives are carefully tested before leaving the factory and their efficiency is guaranteed.

## No. M 0 Passenger Set

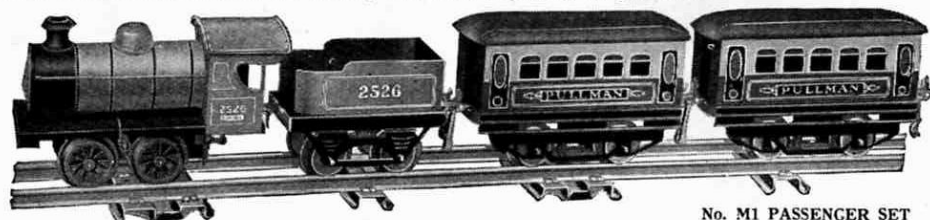
This set contains Locomotive (non-reversible), Tender, one Pullman Coach and set of Rails. One of the rails is a Brake Rail, by means of which the train may be braked from the track. The set is richly coloured and well finished. Gauge 0.

## No. M 1 Passenger Set

This set is similar to No. M0 Passenger Set excepting that it has two Pullman Coaches instead of one, and additional rails.

## No. M 2 Passenger Set

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



No. M1 PASSENGER SET

## No. 1 Tank Goods Set

This set contains a No. 1 Hornby Tank Loco, Hornby Wagon, Petrol Tank Wagon, Brake Van and set of Rails to form a circle 4 ft. in diameter. One of the rails is a brake rail by means of which the train may be braked from the track.

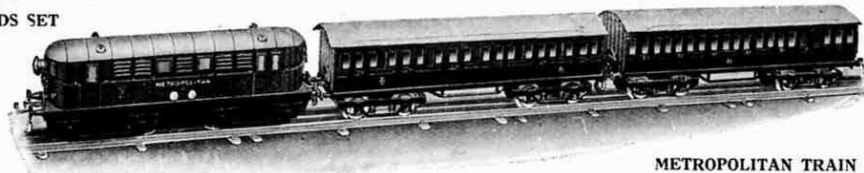
Gauge 0, in colours to represent the L.M.S.R., L.N.E.R., G.W.R. or S.R. Companies' rolling stock. The Loco is fitted with reversing gear and brake mechanism.



No. 1 TANK GOODS SET

## Metropolitan Train Sets

The Locomotives and Coaches in these Train Sets are modelled on the electric passenger rolling stock of the Metropolitan Railway. They are distinctive in design, perfect in workmanship, and beautifully enamelled in representative colours. Two different types are available—Clockwork and 6-volt Electric.



METROPOLITAN TRAIN SET

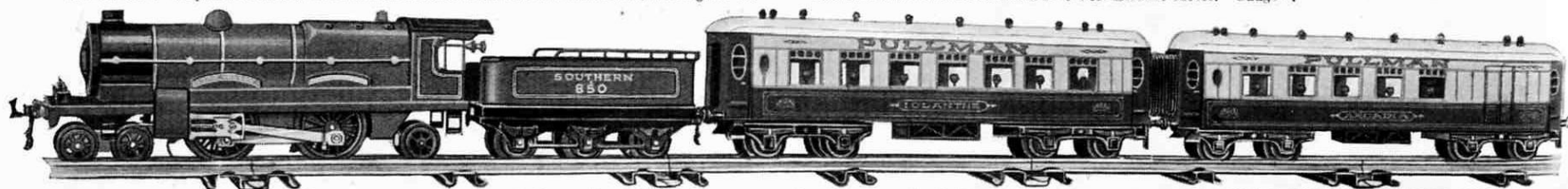
## No. 3 Train Sets

These Train Sets are distinctive in design, beautifully enamelled in correct colours and are guaranteed to give the utmost satisfaction.

Each locomotive carries the name of a famous British locomotive on the front wheel guard at each side. A special feature of the Pullman Coaches is the corridor connection, which gives the

Train a most realistic appearance. All the doors of the coaches open.

The Trains in this series are "Cornish Riviera" (G.W.R.), "Flying Scotsman" (L.N.E.R.), "Royal Scot" (L.M.S.R.), and "Continental Express" (S.R.). In each case the Train Set is available with either Clockwork or 6-Volt Electric Motor. Gauge 0.



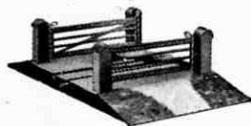
No. 3C S.R. "CONTINENTAL EXPRESS"

For prices of the above see price list at end of Manual.

# ROLLING STOCK AND ACCESSORIES



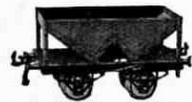
**SIGNAL CABIN No. 2**  
Dimensions: Height 6½ in., Width 3½ in., Length 6½ in. Finished in colours and lettered "Windsor." Roof and back open to allow a signal lever frame to be fitted inside cabin, if desired, and operated ... Price 6/6



**LEVEL CROSSING No. 1**  
Price 3/6



**\*CEMENT WAGON**  
Finished in grey and black ... Price 3/-



**\*HOPPER WAGON**  
Mechanically unloaded. Finished in grey and black ... Price 4/-



**\*MILK TRAFFIC VAN**  
Fitted with sliding door, complete with milk cans. Price 3/6



**LAMP STANDARD No. 2 (DOUBLE)**  
Four-volt bulbs may be fitted into the globes. Price 4/-



**\*CRANE TRUCK**  
Finished in grey and black ... Price 3/6



**\*SNOW PLOUGH**  
With revolving plough driven from front axle. Price 5/6



**BUFFER STOPS No. 2 (HYDRAULIC)**  
Price 5/-



**\*TIMBER WAGON No. 2**  
Beautifully enamelled in green. Suitable for 2 ft. radius rails only ... Price 3/

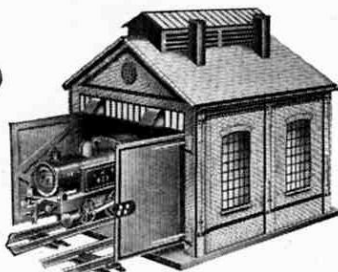


**RAILWAY STATION No. 2.** Excellent model, beautifully designed and finished. Constructed in three sections which are detachable. Dimensions: Length 2 ft. 9 in., breadth 6 in., height 7 in. ... Price 10/-

THE Hornby system consists of a complete range of Rolling Stock, Train Accessories, and Rails, Points and Crossings, with which the most elaborate model railway may be constructed. Every component in the Hornby Series is well designed and carefully modelled on its prototype in real life.



**LAMP STANDARD No. 1 (SINGLE)**  
A 4-volt bulb may be fitted into the globe ... Price 3/-



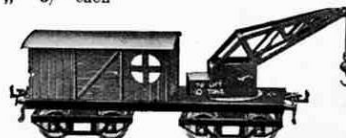
**ENGINE SHED No. 1**  
(illustrated) Price 11/-  
**ENGINE SHED No. 2**  
Price 17/6



**\*TROLLEY WAGON**  
Finished in grey and red. Suitable for 2 ft. radius rails only ... Price 5/6  
\*Lettered L.M.S., N.E., G.W. or S.R.



**DOUBLE ARM SIGNAL**  
No. 1 Price 3/9 pair  
No. 2 " 3/- each



**\*BREAKDOWN VAN AND CRANE**  
Beautifully coloured in grey and black, with opening doors. Suitable for 2 ft. radius rails only ... Price 6/3



**JUNCTION SIGNAL**  
Signal arms operated by levers at base. Very realistic model standing 14 in. in height. Price 5/6



**BUFFER STOPS No. 1 (SPRING)**  
Price 1/-



**LATTICE GIRDER BRIDGE**  
Constructional type. Strong and well proportioned. Price 9/6



**TUNNEL**  
Realistic and finished in colours. Price 7/6



**TURN-TABLE No. 1**  
Price 2/6  
**TURN-TABLE No. 2**  
(illustrated). Price 4/-



**\*GAS CYLINDER WAGON**  
Finished in red, lettered gold. Price 2/6



**\*LUMBER WAGON No. 1**  
Fitted with bolsters and stanchions for log transport. Price 2/-



**\*BRAKE VAN**  
Finished in grey, with opening doors. Price 3/6

## MECCANO PRICE LIST

### MECCANO OUTFITS

No. 00	Meccano Outfit	..	..	..	..	..	3/6
" 0	"	"	"	"	"	"	5/-
" 1	"	"	"	"	"	"	10/-
" 2	"	"	"	"	"	"	16/-
" 3	"	"	"	"	"	"	27/6
" 4	"	"	"	"	"	"	50/-
" 5*	"	(Carton)	"	"	"	"	65/-
" 5*	"	Presentation Outfit	"	"	"	"	95/-
" 6*	"	Outfit (Carton)	"	"	"	"	115/-
" 6*	"	Presentation Outfit	"	"	"	"	150/-
" 7	"	"	"	"	"	"	365/-

### ACCESSORY OUTFITS

No. 00A	Meccano Accessory Outfit	..	..	..	..	1/6
" 0A	"	"	"	"	"	5/6
" 1A	"	"	"	"	"	7/-
" 2A	"	"	"	"	"	12/6
" 3A	"	"	"	"	"	23/6
" 4A	"	"	"	"	"	15/-
" 5A*	"	"	(Carton)	"	"	50/-
" 5A*	"	"	(Wood)	"	"	80/-
" 6A	"	"	"	"	"	200/-
	Special Inventor's Outfit	..	..	..	..	17/6

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

### MECCANO MOTORS, Etc.

Meccano	Clockwork Motor	..	..	..	..	7/6
"	Electric Motor No. 1 (6 Volt)	..	..	..	..	15/6
Transformer	..	..	..	..	..	30/-
Meccano	Accumulator (6 Volt, 20 Amps.)	..	..	..	..	28/6

Resistance	Controller	..	..	..	..	3/6
No. 1	Meccano Storage Box	..	..	..	..	10/6
" 2	"	"	"	"	"	21/-
" 3	"	"	"	"	"	30/-

## Hornby Train Price List

No. M0	Passenger Set	..	..	..	..	6/-
" M1	"	"	"	"	"	7/6
" M2	"	"	"	"	"	9/-
" M	Goods Set	..	..	..	..	8/6
Hornby No. 0	Goods Set	..	..	..	..	15/-
"	0 Passenger Set	..	..	..	..	15/-
"	1 Goods Set	..	..	..	..	20/-
"	1 Passenger Set	..	..	..	..	25/-
"	1 Tank Goods Set	..	..	..	..	22/6
"	1 Special Goods Set	..	..	..	..	30/-
"	1 Special Passenger Set	..	..	..	..	32/6
"	2 Special Goods Set	..	..	..	..	35/-
"	2 Special Pullman Set	..	..	..	..	55/-

Hornby No. 2	Mixed Goods Set	..	..	..	..	37/6
Metropolitan Train Set, L.V. (6-Volt Electric)	..	..	..	..	..	95/-
"	C (Clockwork)	..	..	..	..	55/-
Riviera "Blue Train" Set No. 3E (6-Volt Electric)	..	..	..	..	..	77/6
"	3C (Clockwork)	..	..	..	..	62/6
Hornby No. 3C "Cornish Riviera"	(Clockwork)	..	..	..	..	60/-
"	3E (Electric)	..	..	..	..	75/-
"	3C "Flying Scotsman" (Clockwork)	..	..	..	..	60/-
"	3E (Electric)	..	..	..	..	75/-
"	3C "Royal Scot" (Clockwork)	..	..	..	..	60/-
"	3E (Electric)	..	..	..	..	75/-
"	3C "Continental Express" (Clockwork)	..	..	..	..	60/-
"	3E (Electric)	..	..	..	..	75/-

# MECCANO

Hornby's Original System, First Patented 1901

PATENTS AND DESIGNS

## GREAT BRITAIN:

4,564/15  
20,535/13  
22,962/13  
139,125  
177,430

250,378  
253,236  
290,121  
648,958  
671,484

671,485  
671,534  
671,790  
680,416  
682,208

682,209  
682,934  
683,011  
686,112  
698,054

718,731  
718,404  
733,541  
733,542  
740,413  
740,723

No Outfit is genuine unless it bears the Trade Mark MECCANO

## CONTENTS OF No. 0 OUTFIT

No.	Quantity.	No.	Quantity.	No.	Quantity.
2. $5\frac{1}{2}$ " Perforated Strips ..	4	23. $\frac{1}{2}$ " Pulley Wheel (without Set-screw) 1		48A. $2\frac{1}{2}$ " $\times$ $\frac{1}{2}$ " Double Angle Strips	2
5. $2\frac{1}{2}$ " " " ..	9	24. Bush Wheel .. .. . 1		52. Perforated Flanged Plate, $5\frac{1}{2}$ " $\times$ $2\frac{1}{2}$ " 1	
10. Flat Brackets .. .. . 4		34. Spanner .. .. . 1		56B. Manual of Instructions No. 0	1
11. Double " " " .. . 2		35. Spring Clips .. .. . 6		57. Hook .. .. . 1	
12. Angle " $\frac{1}{2}$ " $\times$ $\frac{1}{2}$ " .. . 8		36. Screwdriver .. .. . 1		90A. Curved Strips, $2\frac{1}{2}$ " Small Radius	4
16. $3\frac{1}{2}$ " Axle Rods .. .. . 2		37. Nuts and Bolts .. .. . 16		111c. Bolts, $\frac{3}{8}$ " .. .. . 6	
17. 2" " " " .. .. . 2		37A. Nuts .. .. . 6		125. $\frac{1}{2}$ " Reversed Angle Brackets	2
19s. Crank Handle, Small $3\frac{1}{2}$ " Shaft	1	40. Hank of Cord .. .. . 1		126. Trunnions .. .. . 2	
22. 1" Pulley Wheels (with Set-screw)	4	44. Cranked Bent Strip .. .. . 1		126A. Flat Trunnions .. .. . 2	

# MECCANO

THE TOY THAT MADE ENGINEERING FAMOUS

Millions of boys in every country throughout the world play with Meccano.

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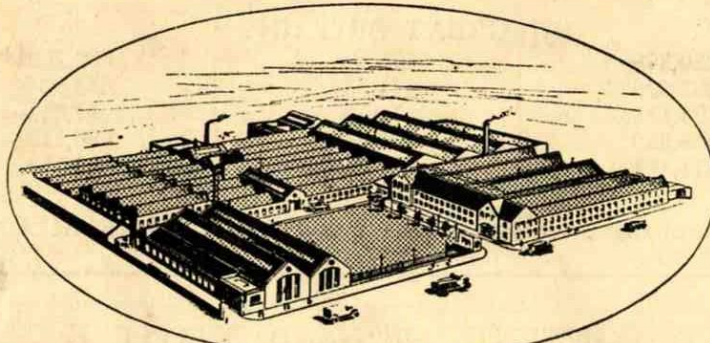


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London, W.1.

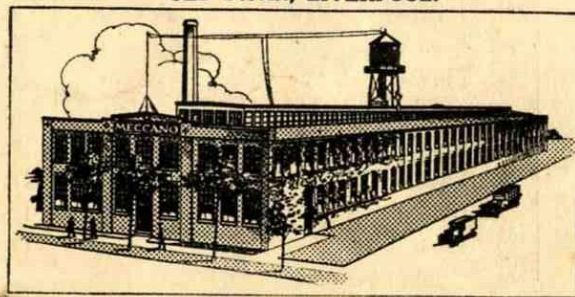
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