

MECCANO



(TRADE MARK REG. U.S. PAT. OFF.)

INSTRUCTIONS

FOR No. 00 OUTFIT

This outfit will build scores of other fine models in addition to those illustrated. There is no limit !

Price 15 Cents

MECCANO COMPANY
INCORPORATED

ELIZABETH,

NEW JERSEY

AMERICAN EDITION

A TALK WITH NEW MECCANO BOYS

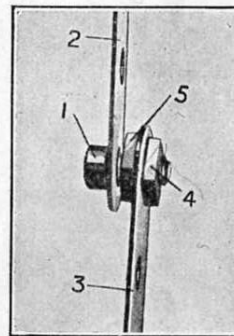
Meccano Outfits contain accurately-made and highly-finished engineering parts and enable every movement known to mechanism to be reproduced in model form. With Meccano, the original and only system, you can accomplish more than with any other constructional toy. No study is needed to enable anyone to build models with Meccano—the genius is in the Meccano parts.

You never come to the end of Meccano fun. There is always more ahead—always some new, ingenious and interesting model to build and there is no limit to them. Each one, as it is completed, "tuned up," and set going, brings a joy and satisfaction beyond anything that boys have ever previously experienced.

As you progress in Meccano you obtain a greater variety of parts, gear wheels, pulley wheels, worm wheels, couplings, cranks, and all manner of perfectly-made real engineering parts. These enable you to construct advanced mechanical movements without any difficulty; it is fascinating and delightful and yet so simple that even an inexperienced boy may join in the fun without first having to study or learn anything.

It should be noted that in a number of models included in this Manual it is necessary to attach one part to another so that while the two cannot easily be disconnected, one or both are capable of moving quite freely. This is effected by securing a Meccano bolt and two nuts in the manner shown in the accompanying illustration, which is reproduced from the "Standard Mechanisms" Manual (detail No. 262). The bolt 1 passes through the Strip 2 and is held securely to Strip 3 by means of two nuts 4 and 5 screwed tight against opposite sides of the Strip. Sufficient space is left between the nut 5 and the bolt head to allow free movement of the Strip 2. Examples of the use of this form of pivot will be found in the Wheel Chair (Model No. 93), where it is employed to connect to the Flanged Plate the Cranked Bent Strip carrying the front wheel, and in the Shearing Machine (Model No. 96), wherein the bolt and nut joint is used to make the necessary pivotal connections between the three moving levers. It is also used to secure the right arm of the Blacksmith (Model No. 128) so that his hammer can be manipulated by pulling a piece of string.

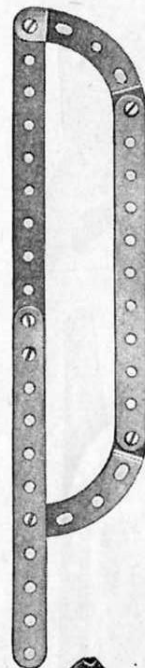
Another form of pivot or swivel joint frequently used in Meccano models is obtained by first placing the Strips 2 and 3 on the bolt 1 and locking the nuts 4 and 5 on its shank. The nuts are turned in opposite directions so that they securely grip each other in position on the bolt. This arrangement allows for free movement of both Strips 2 and 3, independently of the bolt. Two examples of this pivotal connection can be seen in Model No. 122.



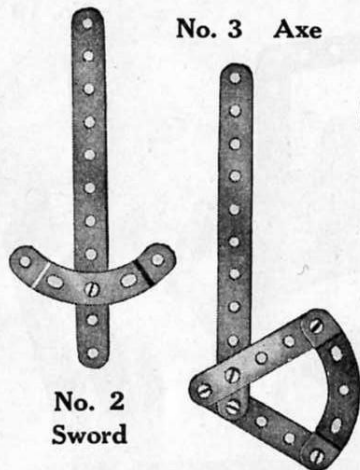
S.M. No. 262

These Models May Be Built with Meccano Outfit No. 00

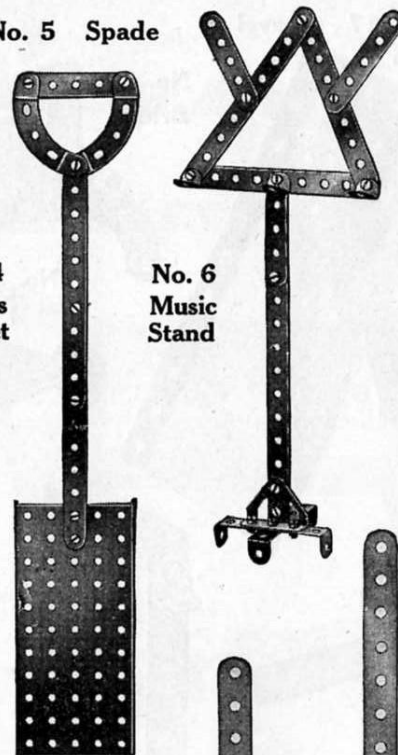
3

No. 1
Meat Saw

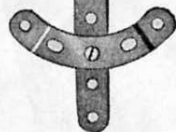
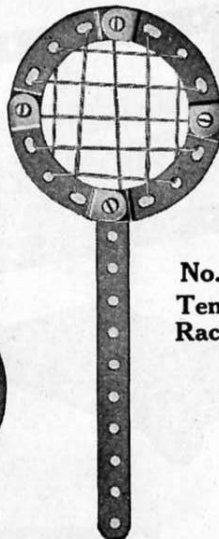
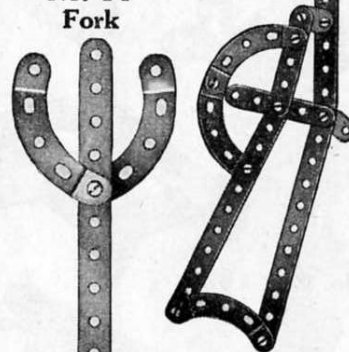
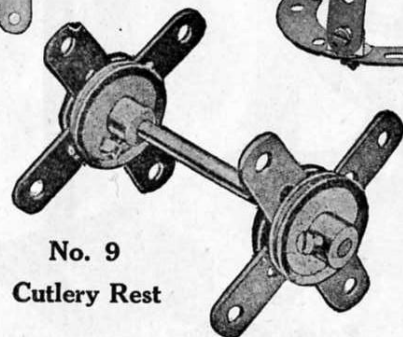
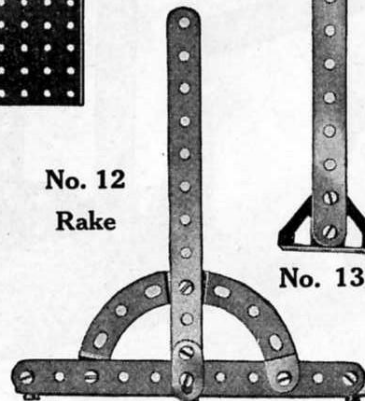
No. 3 Axe



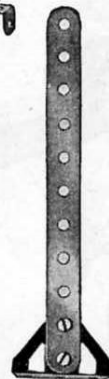
No. 5 Spade



No. 7 Anchor

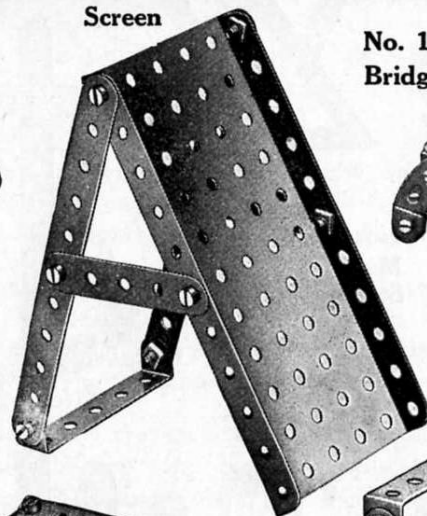
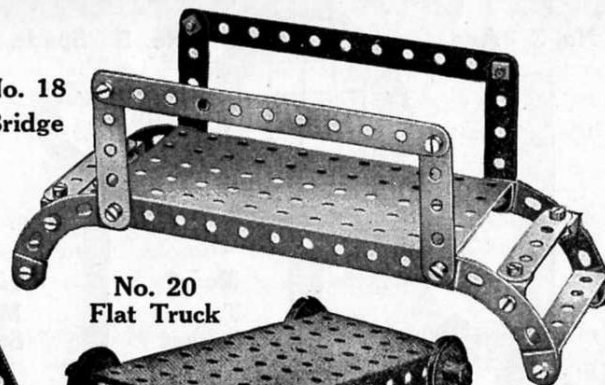
No. 8
Rifle
with
BayonetNo. 2
SwordNo. 4
Tennis
RacketNo. 6
Music
StandNo. 14
ForkNo. 10
Candle
ShadeNo. 9
Cutlery RestNo. 11
Spinning TopNo. 12
Rake

No. 13 Hoe

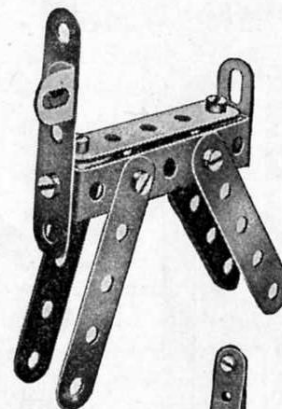
No. 15 Coat
Hanger

These Models May Be Built with Meccano Outfit No. 00

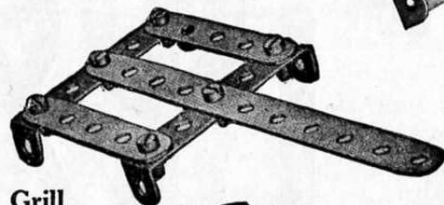
No. 16 Walking Man

No. 17 Gravel
ScreenNo. 18
Bridge

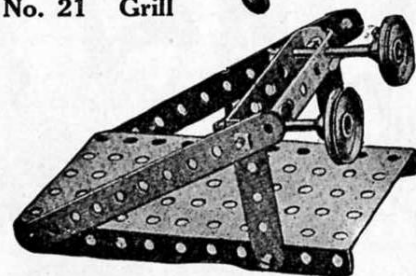
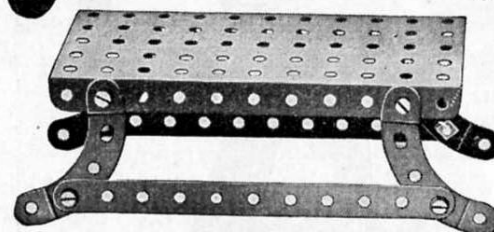
No. 19 Horse

No. 20
Flat Truck

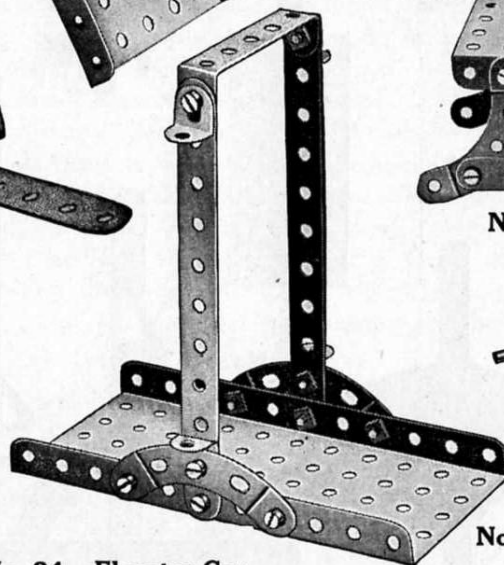
No. 21 Grill



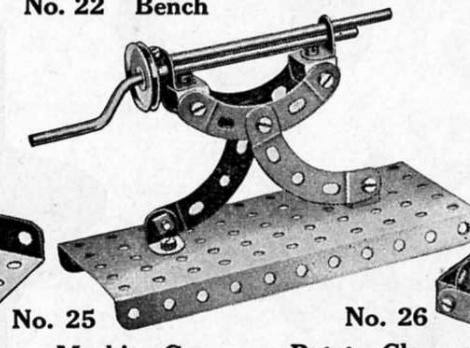
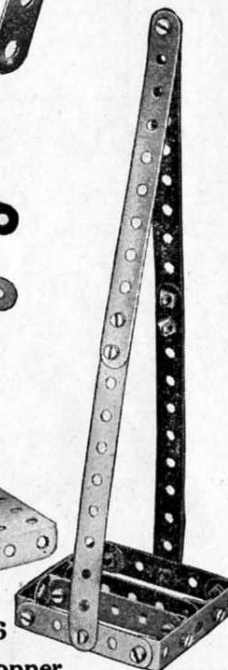
No. 22 Bench



No. 23 Buffers



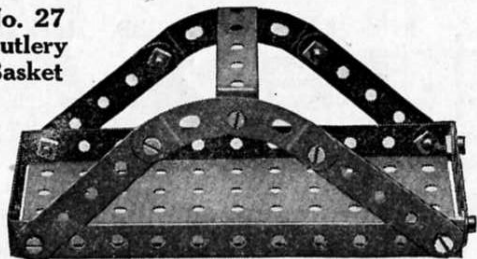
No. 24 Elevator Car

No. 25
Machine GunNo. 26
Potato Chopper

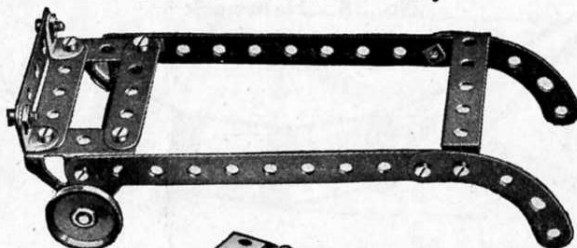
These Models May Be Built with Meccano Outfit No. 00

5

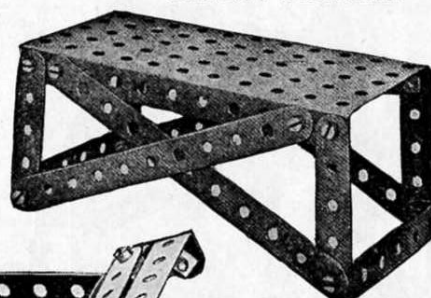
No. 27
Cutlery
Basket



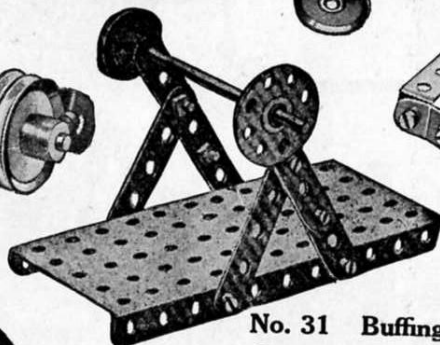
No. 28 Porter's Trolley



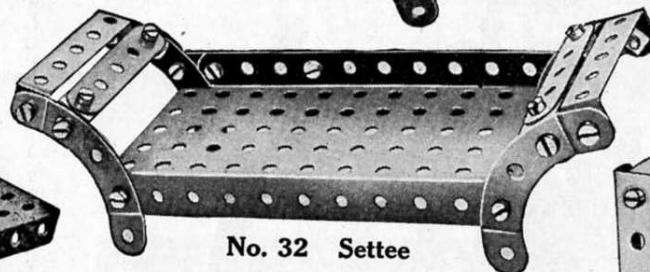
No. 29 Fire Stand



No. 30
Knife Rest

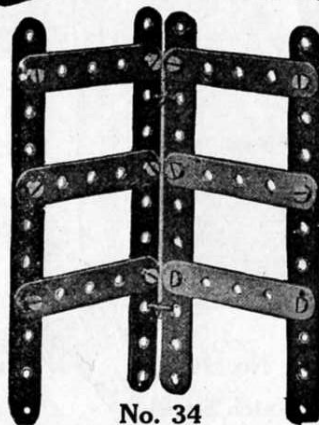
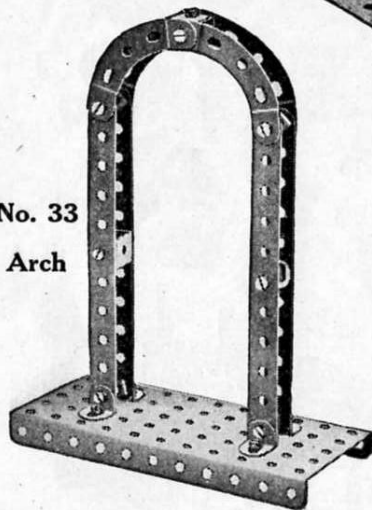


No. 31 Buffing Spindle

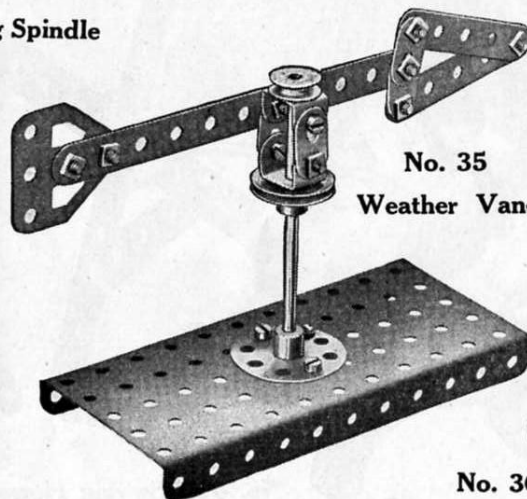


No. 32 Settee

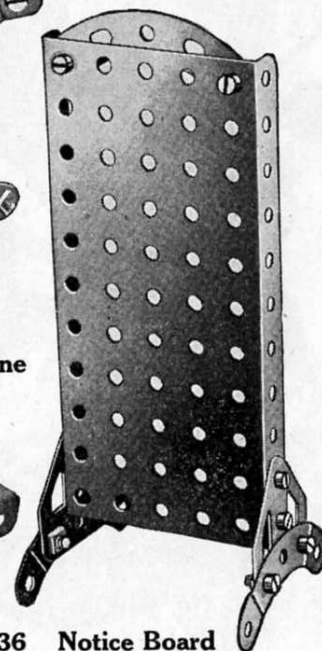
No. 33
Arch



No. 34
Clothes Horse



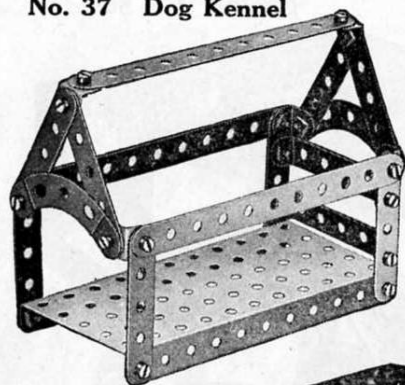
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Weather Vane



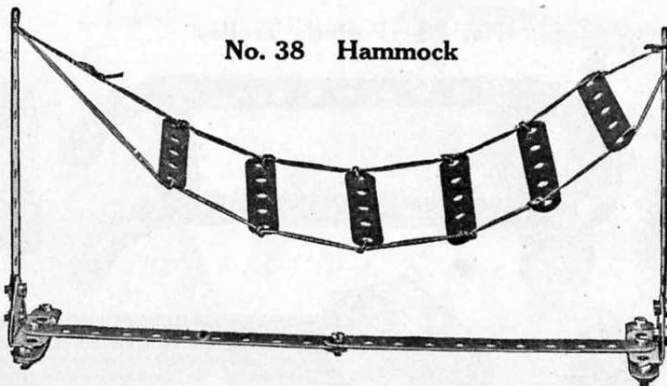
No. 36 Notice Board

These Models May Be Built with Meccano Outfit No. 00

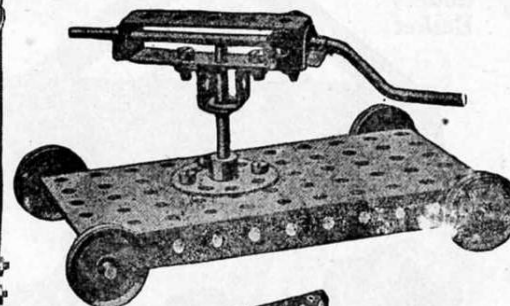
No. 37 Dog Kennel



No. 38 Hammock

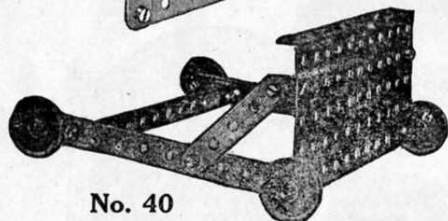


No. 39 Rock Drill

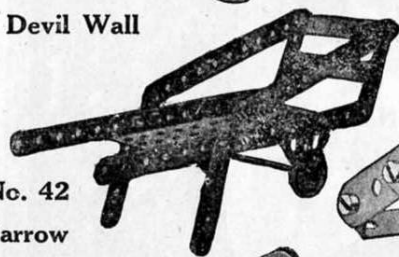


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Furrow Roller

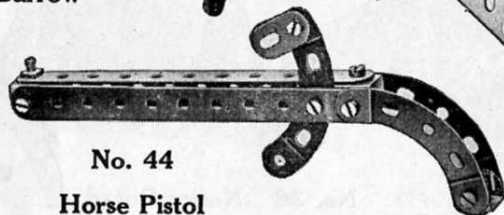
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Devil Wall



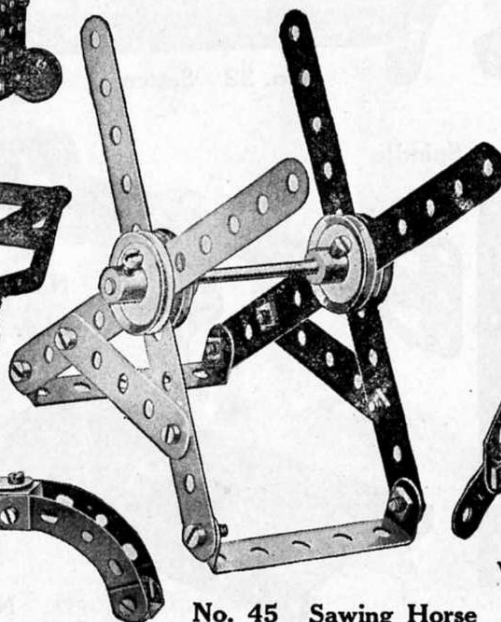
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Barrow



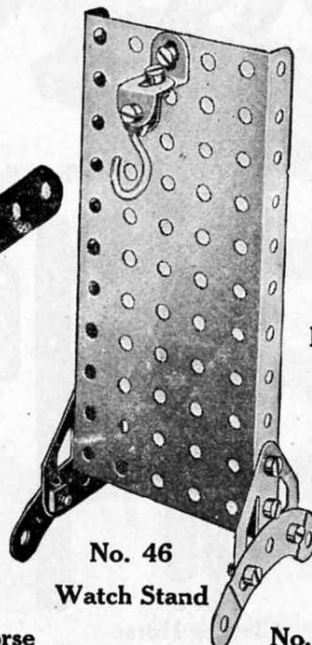
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Horse Pistol



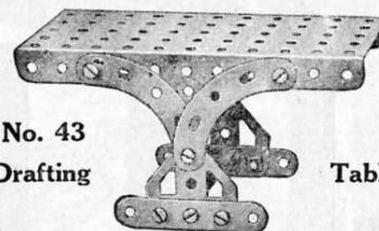
No. 45 Sawing Horse



No. 46
Watch Stand

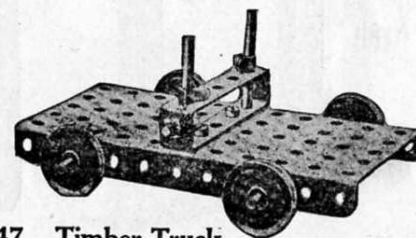


No. 43
Drafting



Table

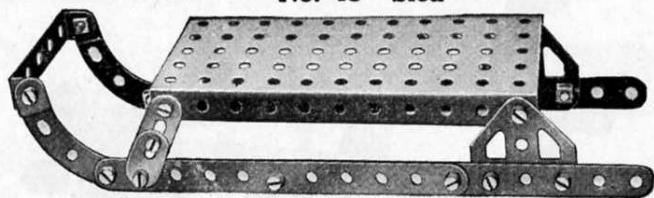
No. 47 Timber Truck



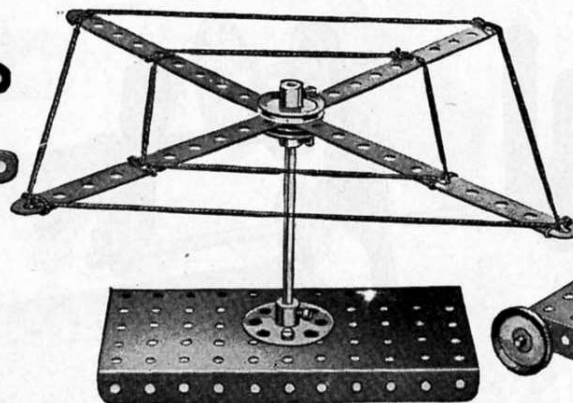
These Models May Be Built with Meccano Outfit No. 00

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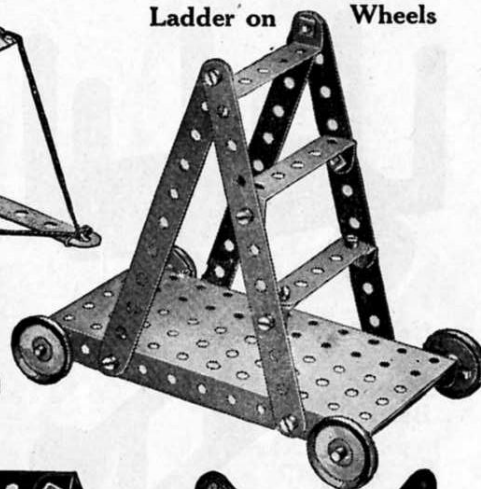
No. 48 Sled



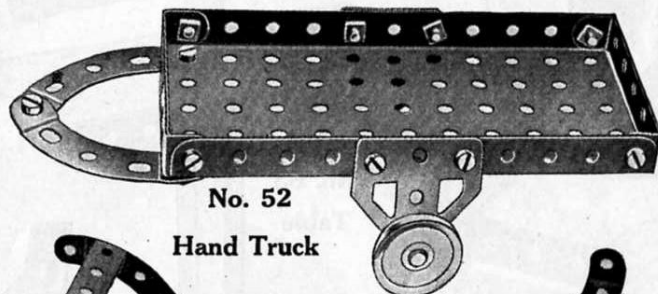
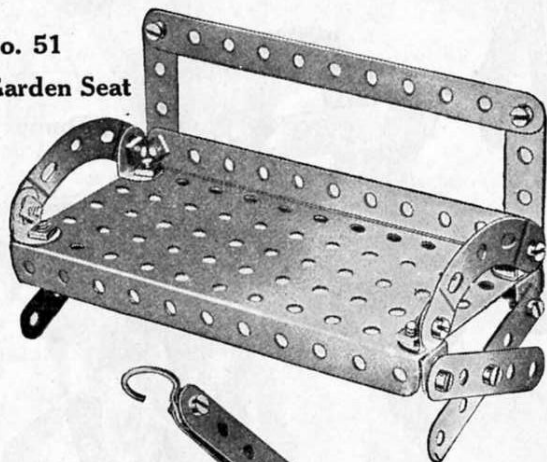
No. 49 Clothes Hanger



No. 50 Ladder on Wheels

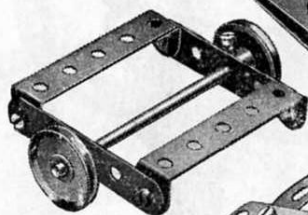


No. 51 Garden Seat

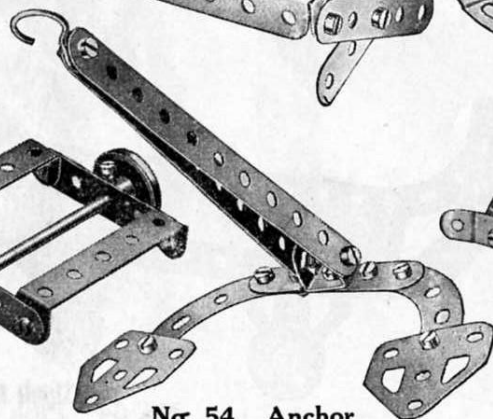


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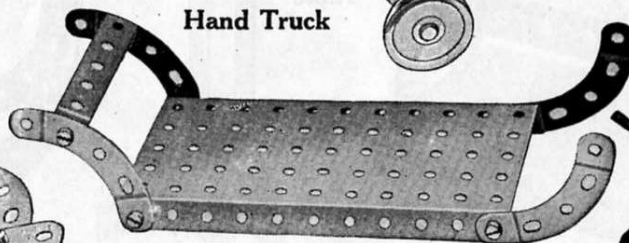
Hand Truck



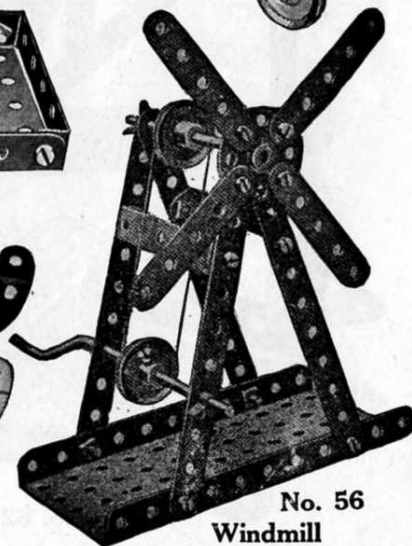
No. 53
Trolley



No. 54 Anchor



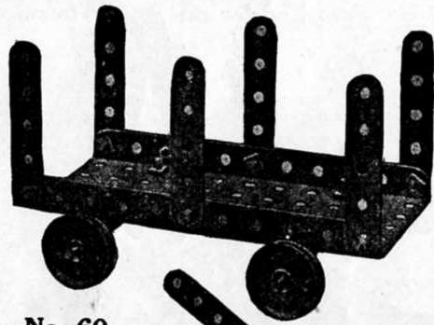
No. 55 Sled



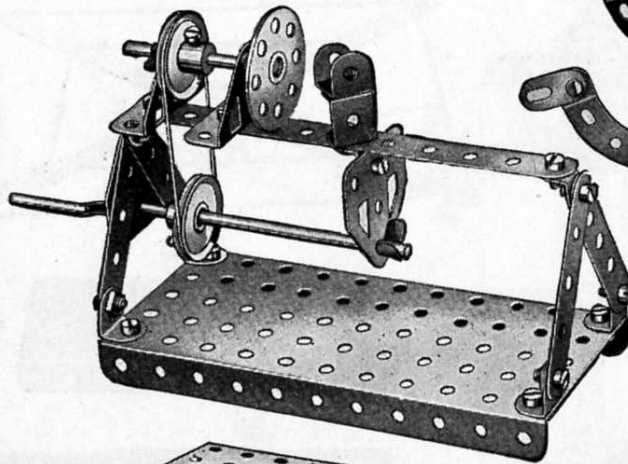
No. 56
Windmill

These Models May Be Built with Meccano Outfit No. 00

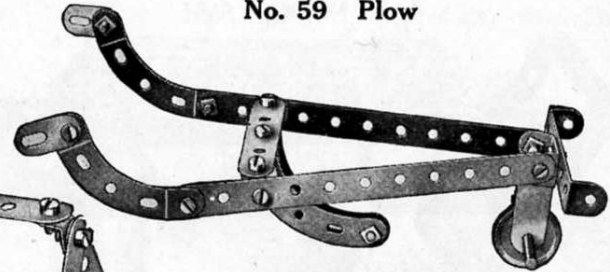
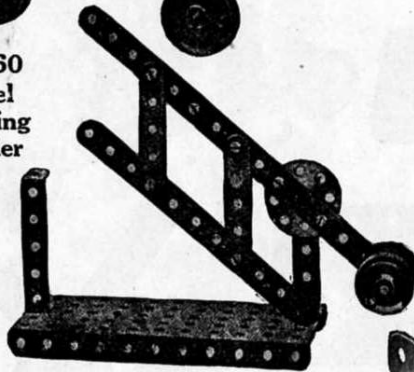
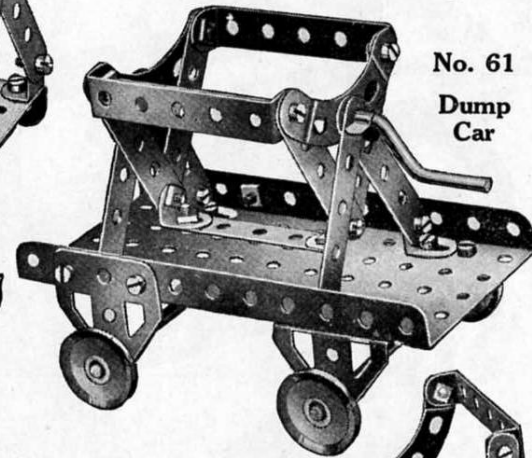
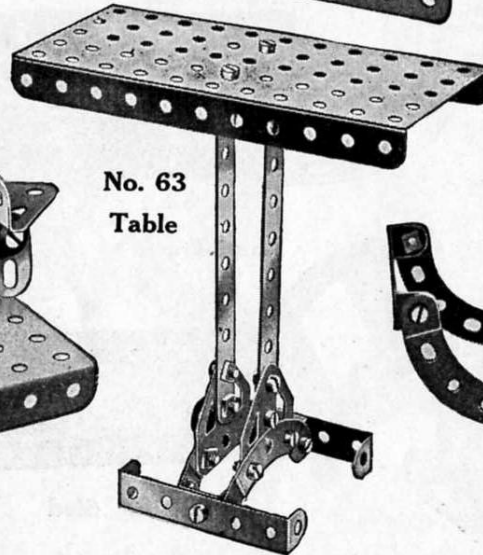
No. 57 Timber Truck



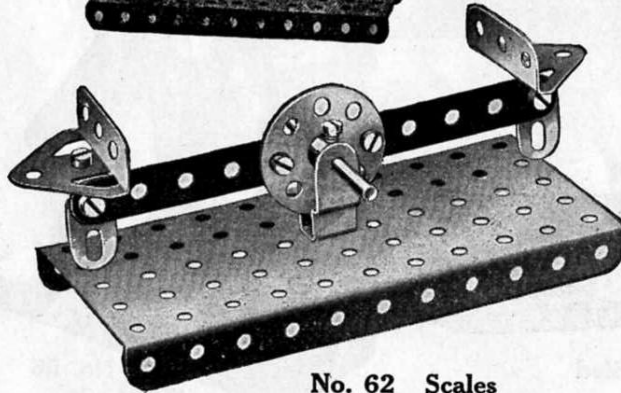
No. 58 Lathe



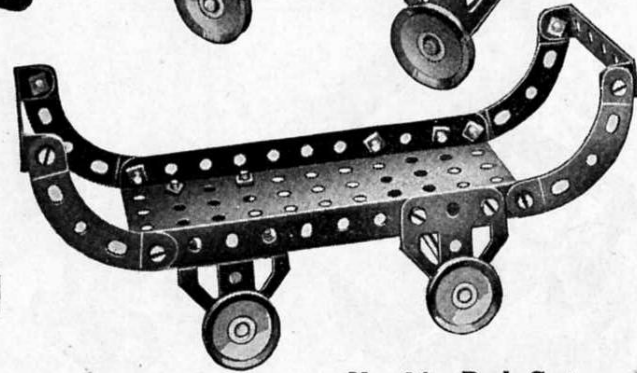
No. 59 Plow

No. 60
Level
Crossing
BarrierNo. 61
Dump
CarNo. 63
Table

No. 62 Scales



No. 64 Push Cart



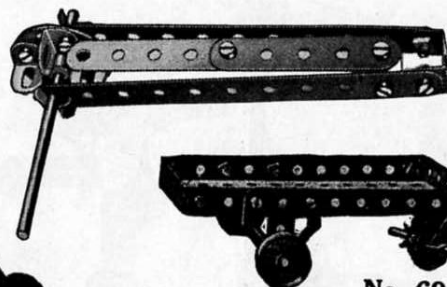
These Models May Be Built with Meccano Outfit No. 00

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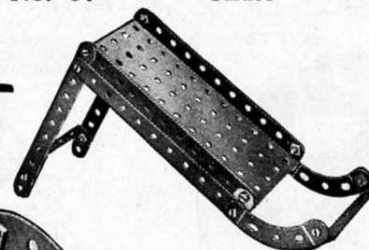
No. 65 Flat Truck



No. 66 Rattle



No. 67 Chute

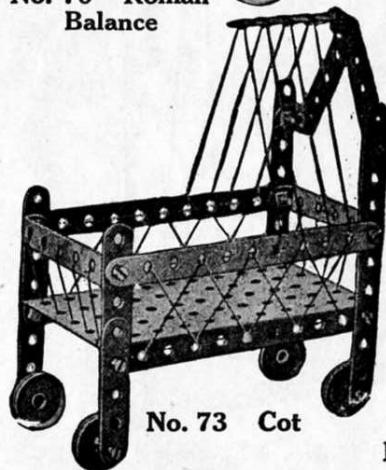


No. 68

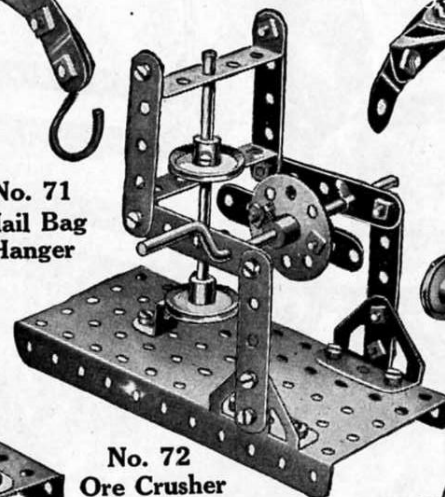
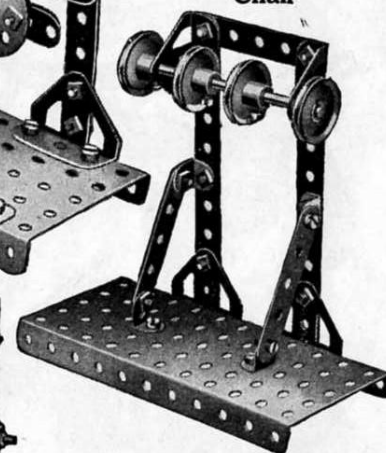
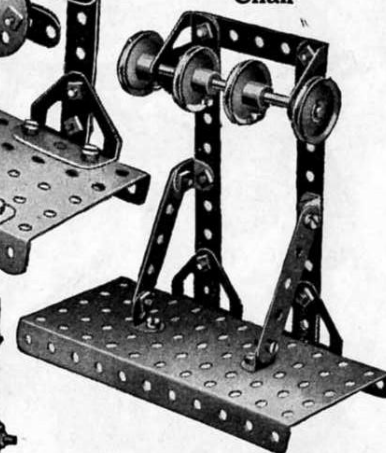
Revolving Office Chair



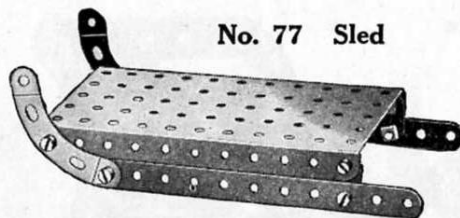
No. 70 Roman Balance



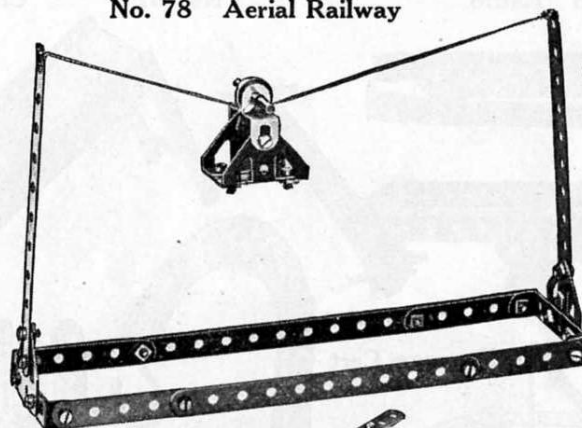
No. 73 Cot

No. 69
Baggage CartNo. 74
Punching Bag StandNo. 71
Mail Bag HangerNo. 72
Ore CrusherNo. 75
Shipyard BogieNo. 76
Pulley Shafting

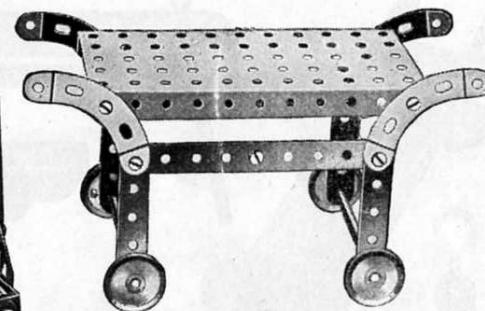
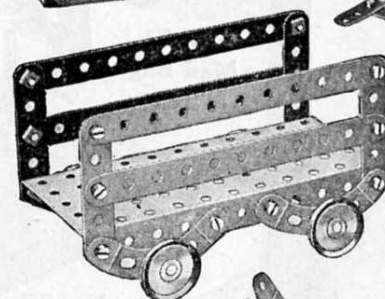
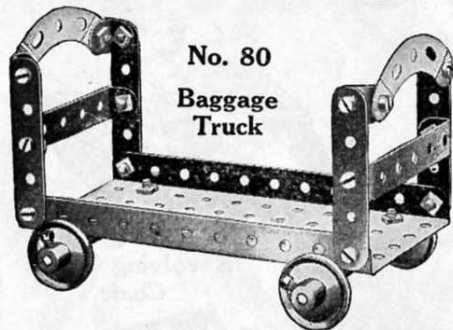
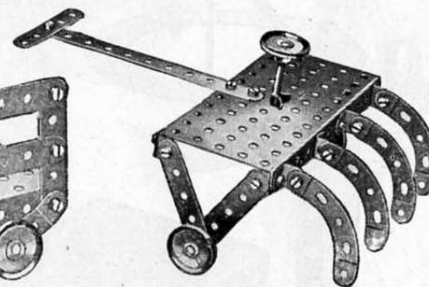
No. 77 Sled



No. 78 Aerial Railway

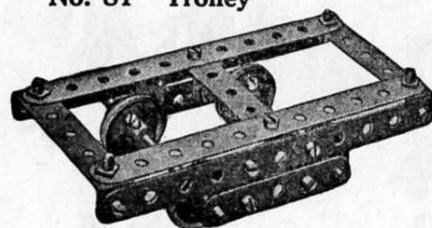
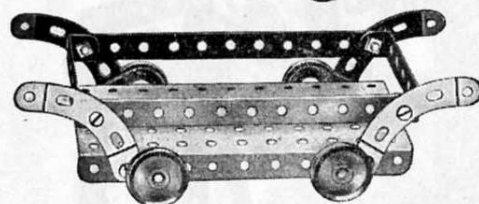


No. 79 Tea Wagon

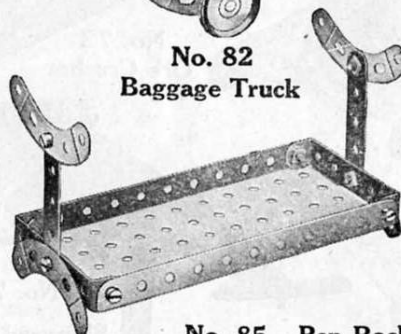
No. 80
Baggage
TruckNo. 82
Baggage Truck

No. 83 Horse Rake

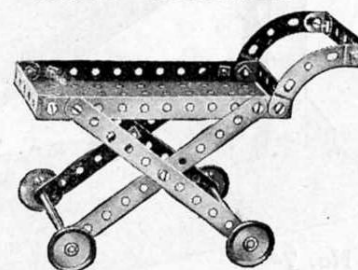
No. 81 Trolley



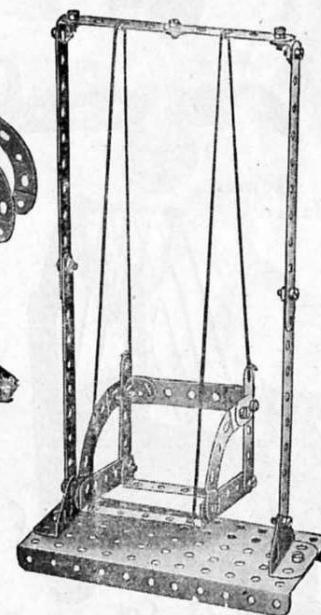
No. 84 Bogie Truck



No. 85 Pen Rack



No. 86 Tea Wagon



No. 87 Swing

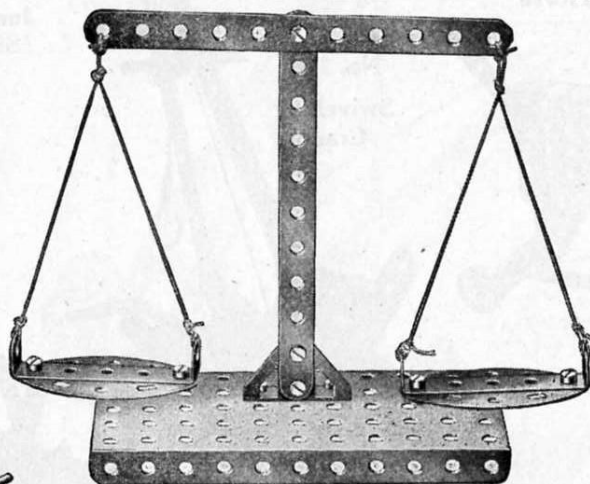
These Models May Be Built with Meccano Outfit No. 00

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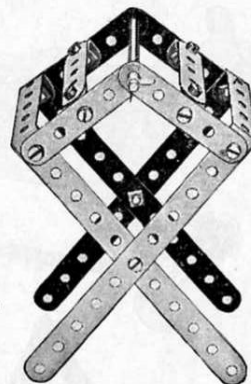
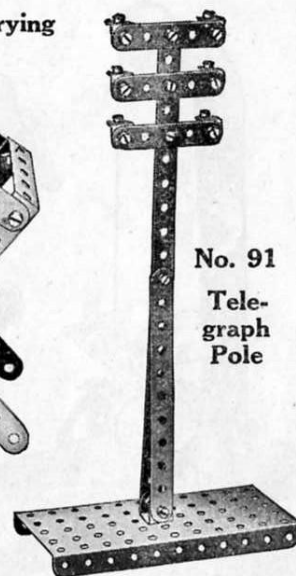
No. 88 Crib



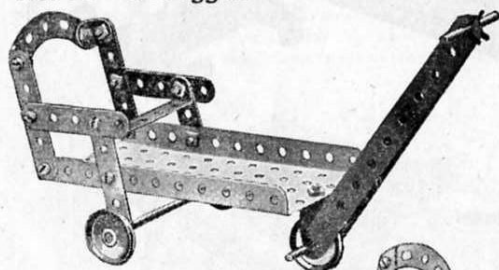
No. 89 Scales



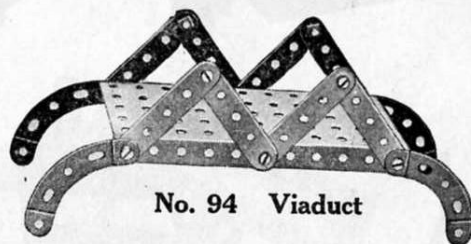
No. 90 Clothes Drying Frame

No. 91
Tele-
graph
Pole

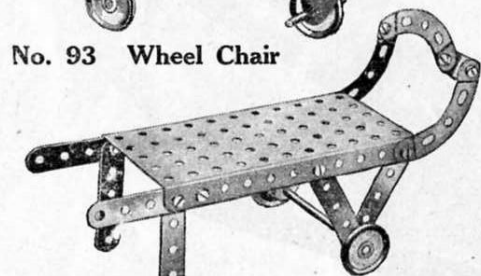
No. 92 Toboggan



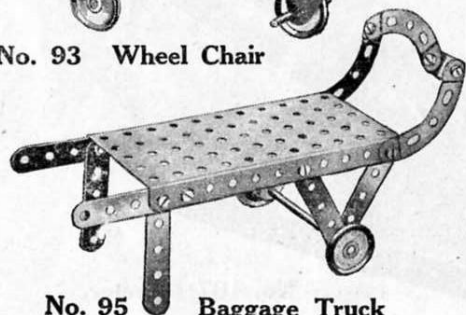
No. 94 Viaduct



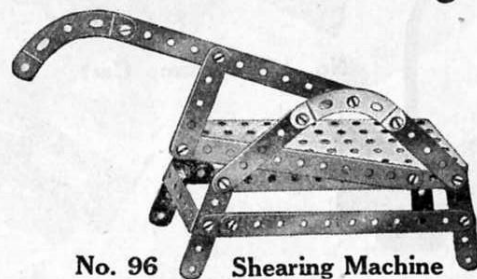
No. 93 Wheel Chair



No. 95 Baggage Truck

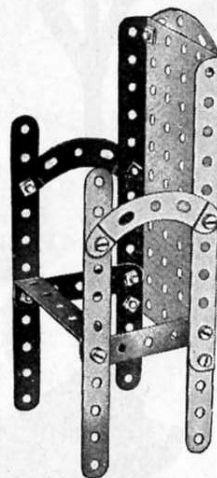


No. 96 Shearing Machine

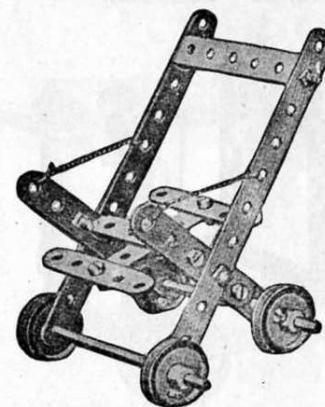


No. 97

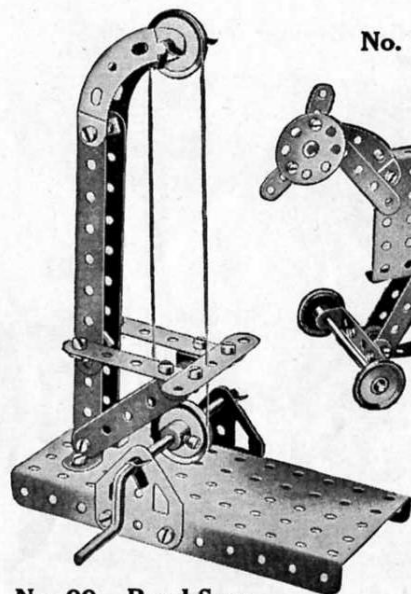
Arm Chair



No. 98 Go Cart

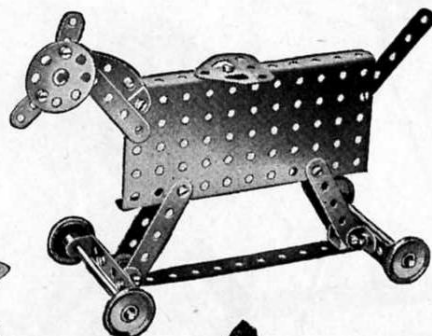


These Models May Be Built with Meccano Outfit No. 00



No. 99 Band Saw

No. 100 Toy Horse



No. 101
Swivelling
Crane



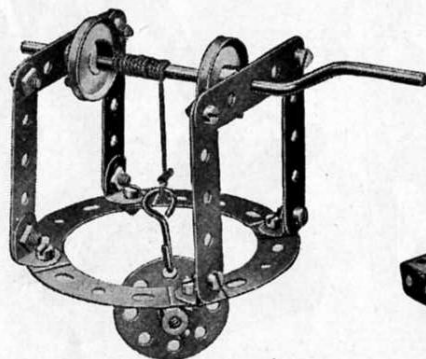
No. 102
Junction
Signal



No. 103

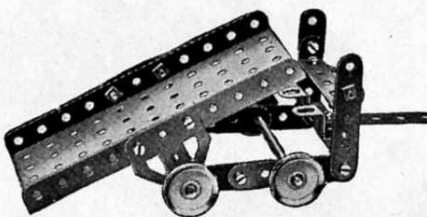
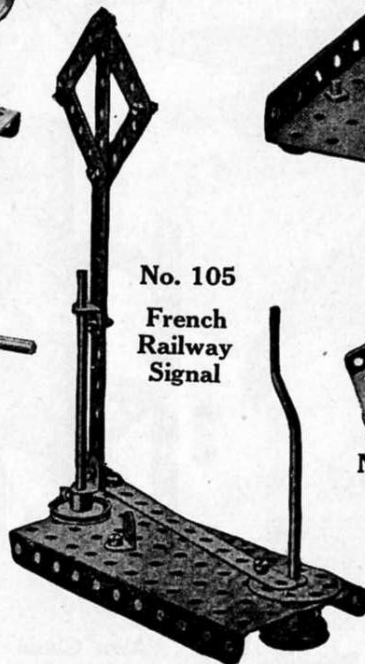
Hat

Rack

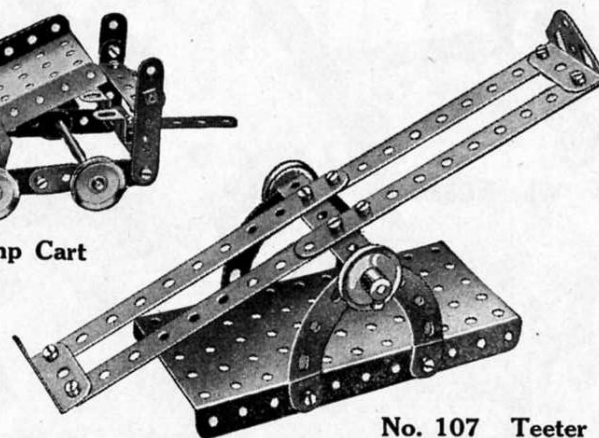


No. 104 Well Windlass

No. 105
French
Railway
Signal

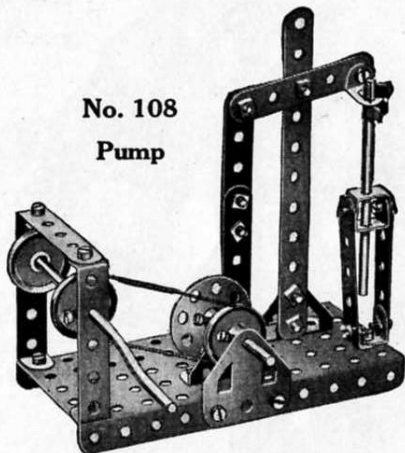


No. 106 Dump Cart



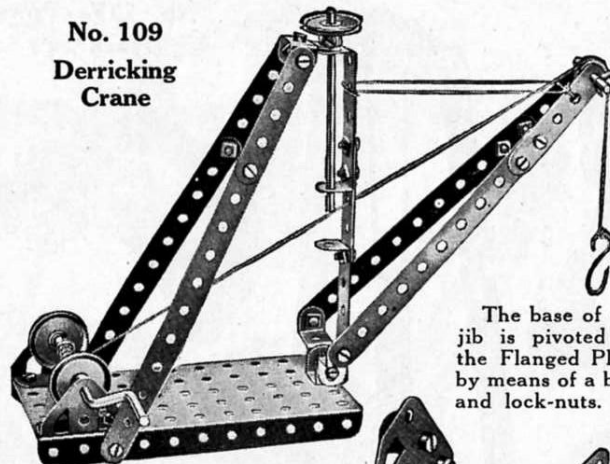
No. 107 Teeter

No. 108
Pump



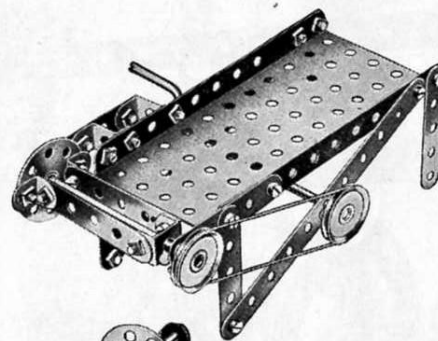
The connecting Strip is pivoted by bolts and nuts (see page 2) at one end to the Bush Wheel and at the other end to the cross beam. The latter is pivoted by the same means to the upright.

No. 109
Derricking
Crane

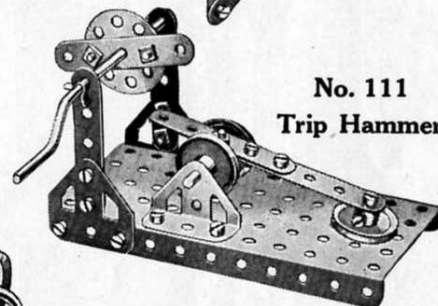


The base of the jib is pivoted to the Flanged Plate by means of a bolt and lock-nuts.

No. 110 Chaff Cutter



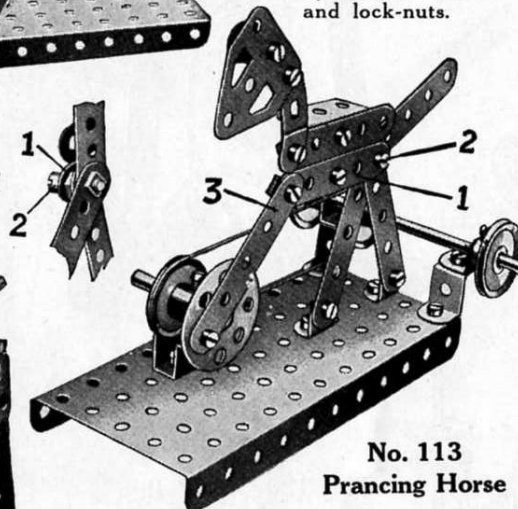
No. 111
Trip Hammer



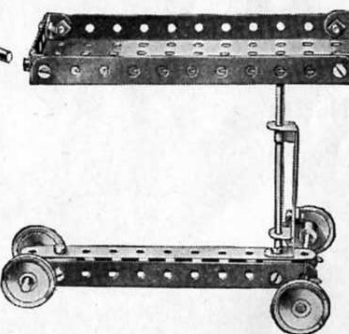
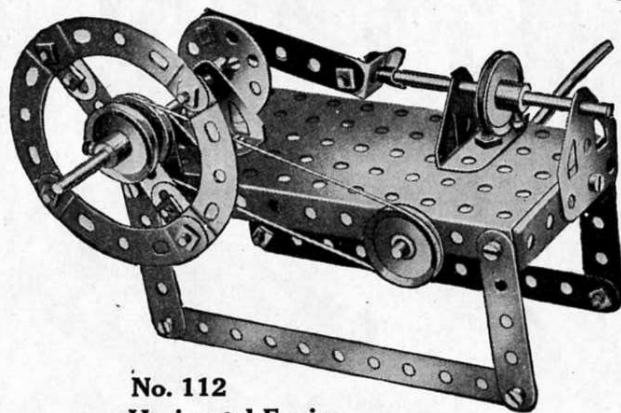
No. 113
Prancing Horse

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. A. The Strip 3 is free to move at each end about pivots formed from bolts and nuts.

Fig. A



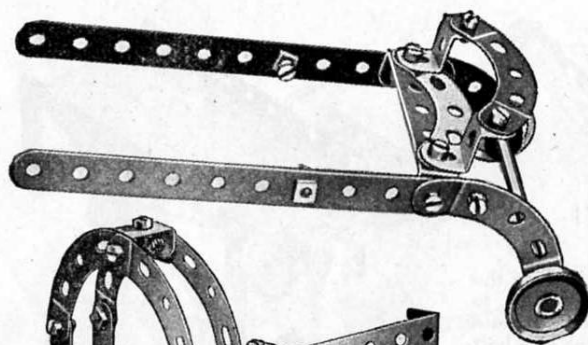
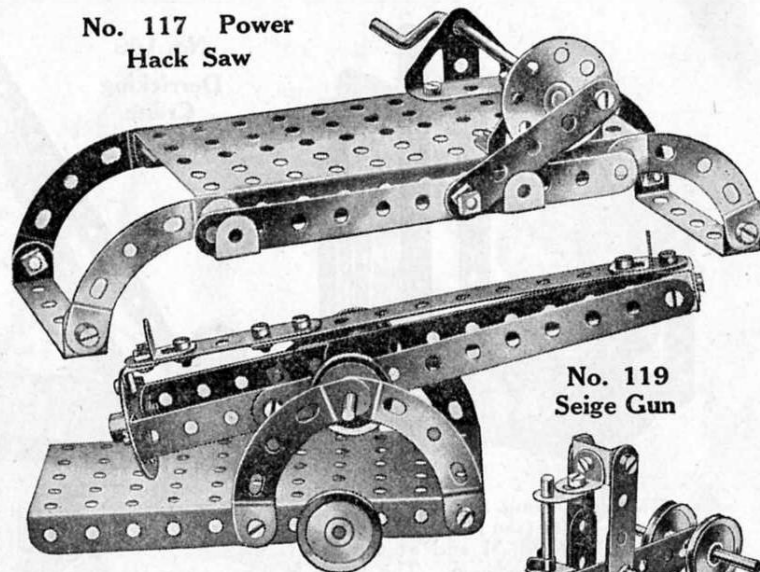
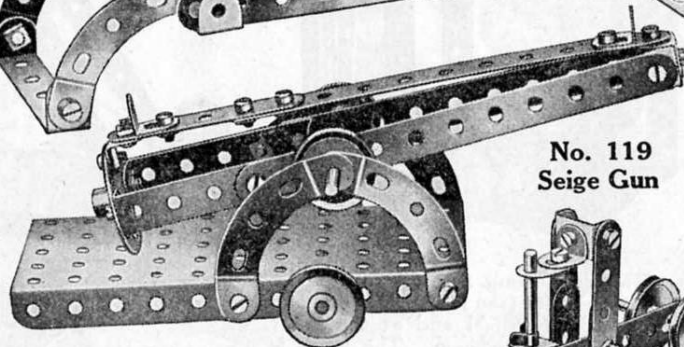
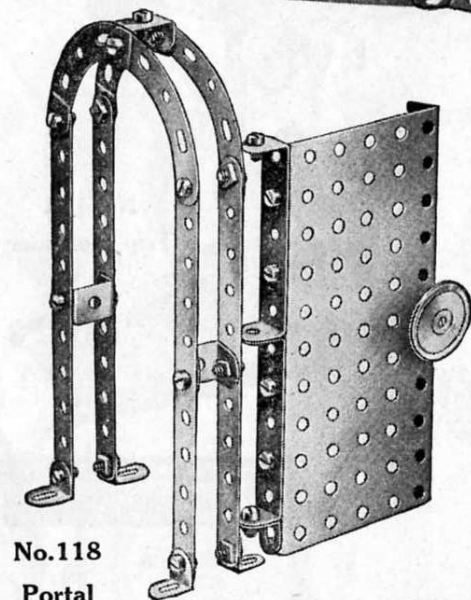
No. 112
Horizontal Engine



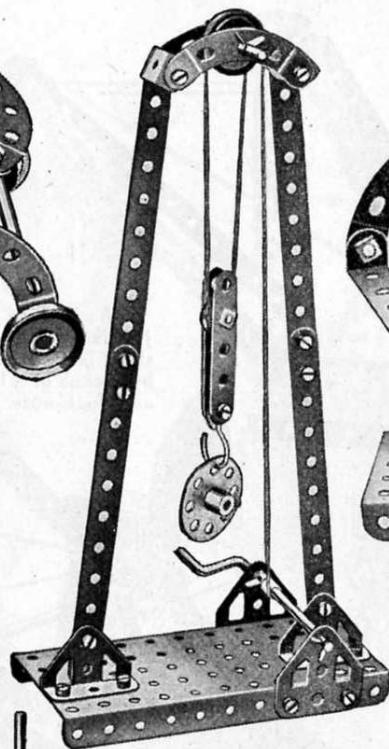
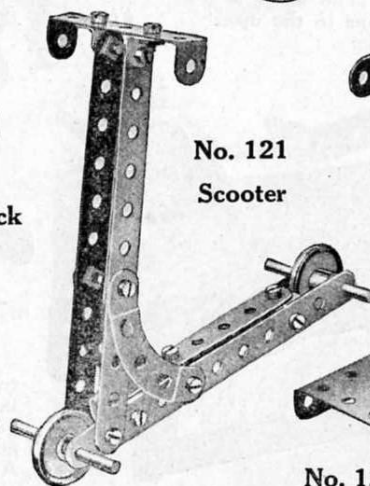
No. 114 Bed Table

These Models May Be Built with Meccano Outfit No. 00

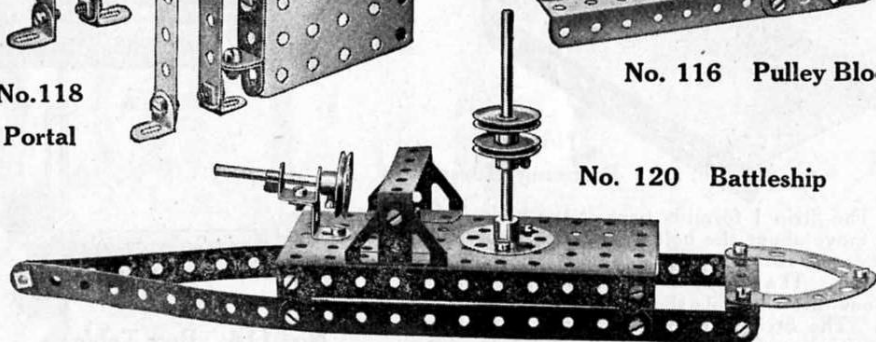
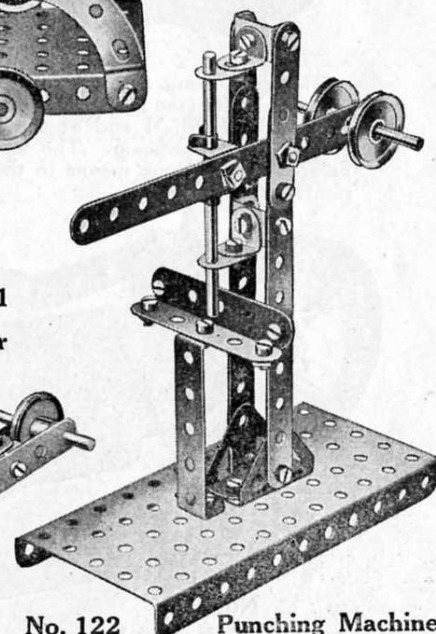
No. 115 Sulkey

No. 117 Power
Hack SawNo. 119
Seige GunNo. 118
Portal

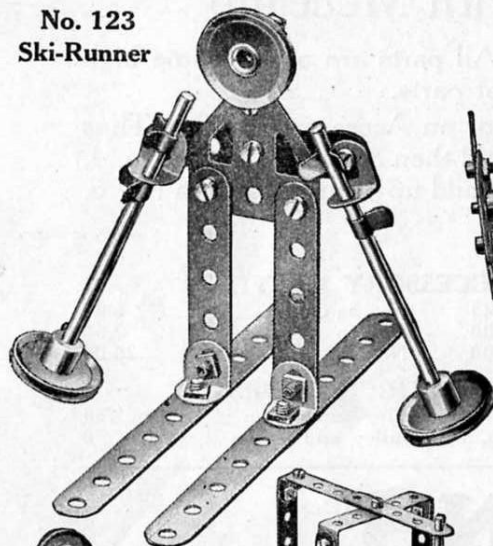
No. 116 Pulley Block

No. 121
Scooter

No. 120 Battleship

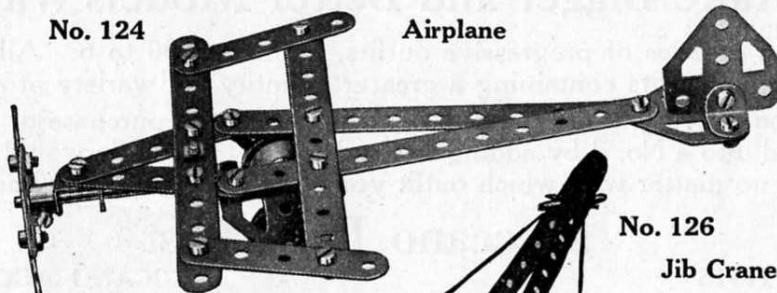
No. 122
Punching Machine

No. 123
Ski-Runner



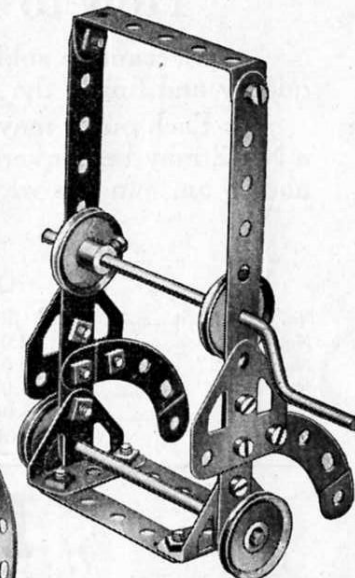
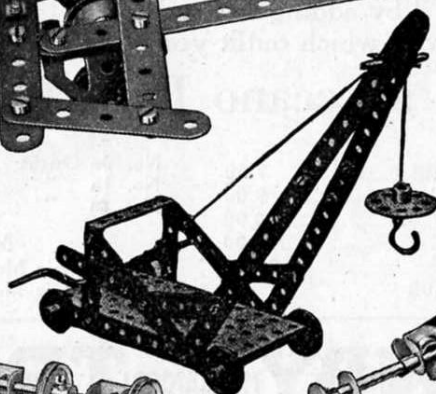
No. 124

Airplane



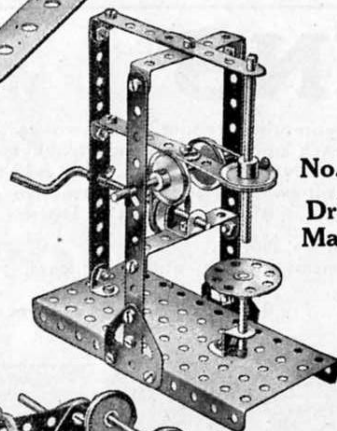
No. 126

Jib Crane

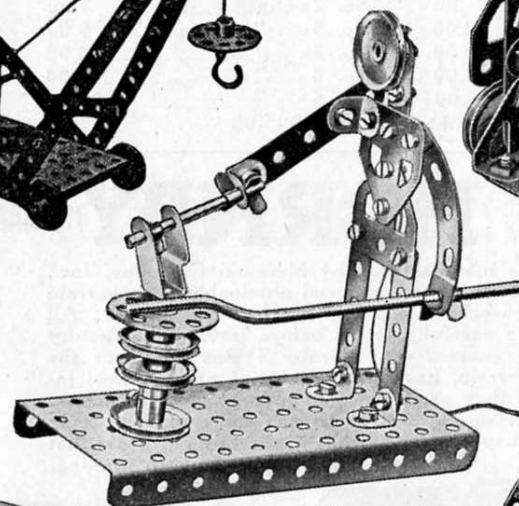


No. 125 Garden
Hose Reel

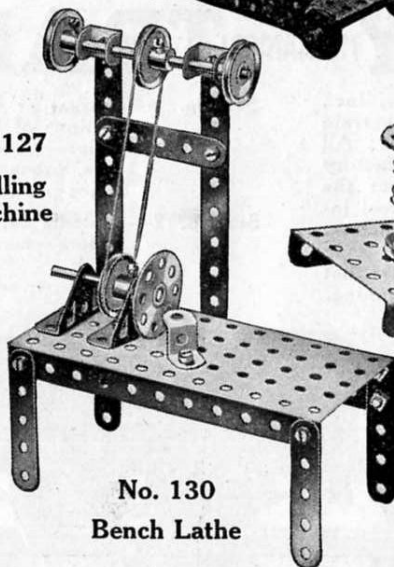
No. 127
Drilling
Machine



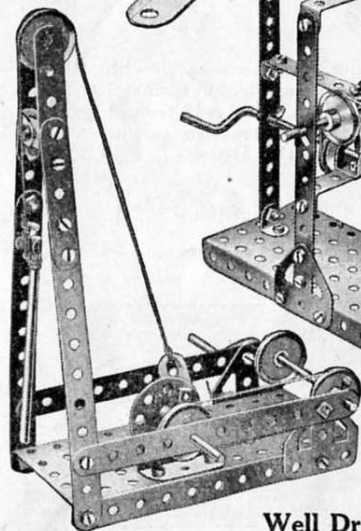
No. 128 Blacksmith



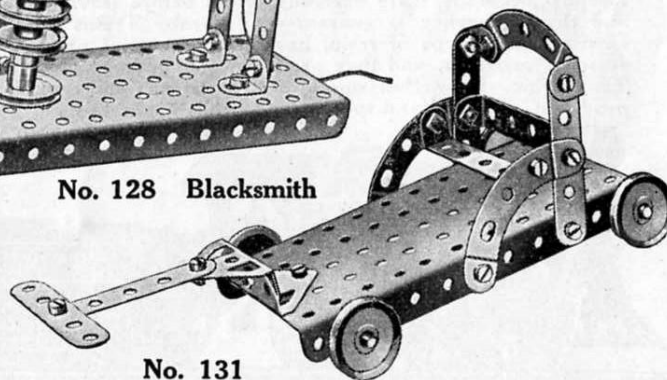
No. 130
Bench Lathe



No. 129
Well Driller



No. 131
Wheel Chair



How to Make Bigger and Better Models with Meccano

Meccano is sold in a series of progressive outfits, numbered 00 to 6. All parts are of the same high quality and finish, the larger outfits containing a greater quantity and variety of parts.

Each outfit may be converted into the one next higher by the purchase of an Accessory Outfit. Thus a No. 2 may be converted into a No. 3 by adding to it a No. 2a. A No. 3a would then convert it into a No. 4, and so on. In this way, no matter with which outfit you commence, you may build up your outfit to a No. 6.

Meccano Price List

OUTFITS

No. 00 Outfit.....	\$1.00	No. 2x Outfit.....	7.50
No. 0 ".....	2.00	No. 3 ".....	9.00
No. 1 ".....	3.00	No. 3x ".....	10.00
No. 1x ".....	5.00	No. 4 ".....	15.00
No. 2 ".....	6.00	No. 5 ".....	25.00
No. 6 Outfit	\$45.00		

MECCANO ACCESSORY OUTFITS

No. 0a Outfit.....	\$1.25	No. 3a Outfit.....	6.00
No. 1a ".....	3.00	No. 4a ".....	7.50
No. 2a ".....	3.00	No. 5a ".....	20.00

MECCANO ELECTRIC MOTORS

E-1 Electric Motor, one-way, with pulley and pinion.....	\$3.50
E-2 Electric Motor, reversing, with pulley and pinion.....	4.50

HORNBY MECHANICAL TRAINS

Hornby Trains are manufactured by Meccano Company, Inc., and they are made from the finest material 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. Hornby Trains represent the most advanced type of train, have locomotives of pressed steel instead of cast iron, and they are beautifully lithographed in colors. The spring motor that operates them is the most efficient ever produced, powerful and speedy, and it has accurately cut gears that ensure smooth running.

Set No. 1—consists of locomotive, tender, and two cars, with 10 sections of track and the necessary track connections. Colors—locomotive, red and black with gold trimmings; cars, green and gold. Packed in attractive carton. Price per set.....\$3.75 West of Denver.....\$4.00

Set No. 2—contents same as No. 1. Colors—locomotive, green and gold; cars, yellow and black. Price per set.....\$3.75 West of Denver.....\$4.00

