

MECCANO



(TRADE MARKS 296321, 12633, 10274, 55/13476)

INSTRUCTIONS

FOR OUTFIT No. 0

Price 4d.

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No. 25.0

ENGLISH EDITION

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 70 working mechanical models can be made, each one a perfect little toy. After you have made them all, you will wish to go on building, and you can do this by adding new parts to your No. 0 or by purchasing a No. 0A Accessory Outfit, thus converting your No. 0 into a No. 1. You will then be able to build 106 models, including larger and better cranes, bridges, wagons, trucks, windmills, etc.

You never come to the end of Meccano fun. There is always more ahead—always some new, ingenious and interesting model to build. Each one, as it is completed, "tuned up," and set going, brings a joy and satisfaction beyond anything which you 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 complicated mechanical movements without any difficulty. The most wonderful feature of Meccano is that it is *real engineering*; it is fascinating and delightful to play with, and yet so simple that even an inexperienced boy may join in the fun—without first having to study or learn anything.

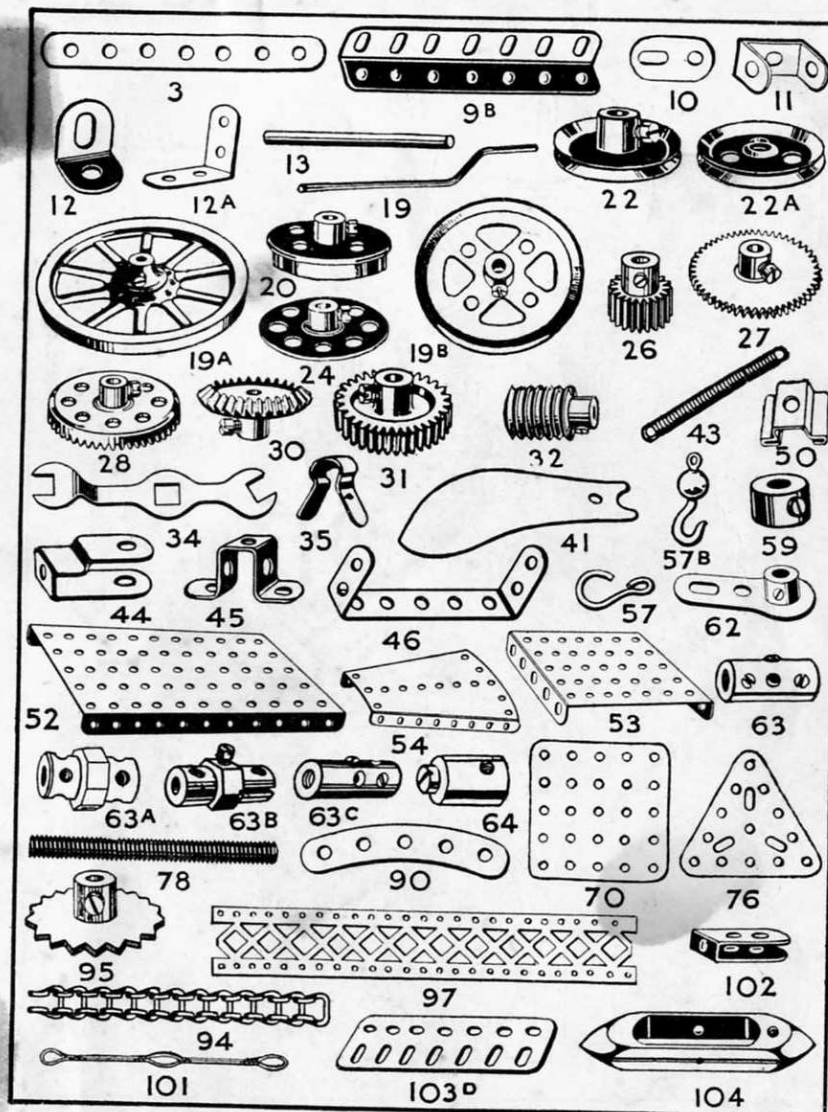
THE LIFE OF A MECCANO BOY

A Meccano boy is the happiest boy in the world. He builds models from the Meccano Instruction books; invents new models; has a shot at 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 interesting articles on Engineering and Electrical subjects, Railways, Aeroplanes, Cycling, Stamps, Photography, 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. Write to the Editor, *Meccano Magazine*, Binns Road, Liverpool, and he will send you a copy FREE. It is sent regularly to subscribers at the rate of 2/- for six issues, or it may be purchased from your newsagent or any Meccano dealer, price 3d. per copy.

HOW TO BUILD WITH MECCANO

Follow the instructions closely at first, and build the models just as you see them. Then take each model and try to improve our design. Every model can be made in a dozen different ways. Screw up all the nuts and bolts and you will find that you can play with the trucks, cranes, signals, etc., and obtain many hours of fun from them.



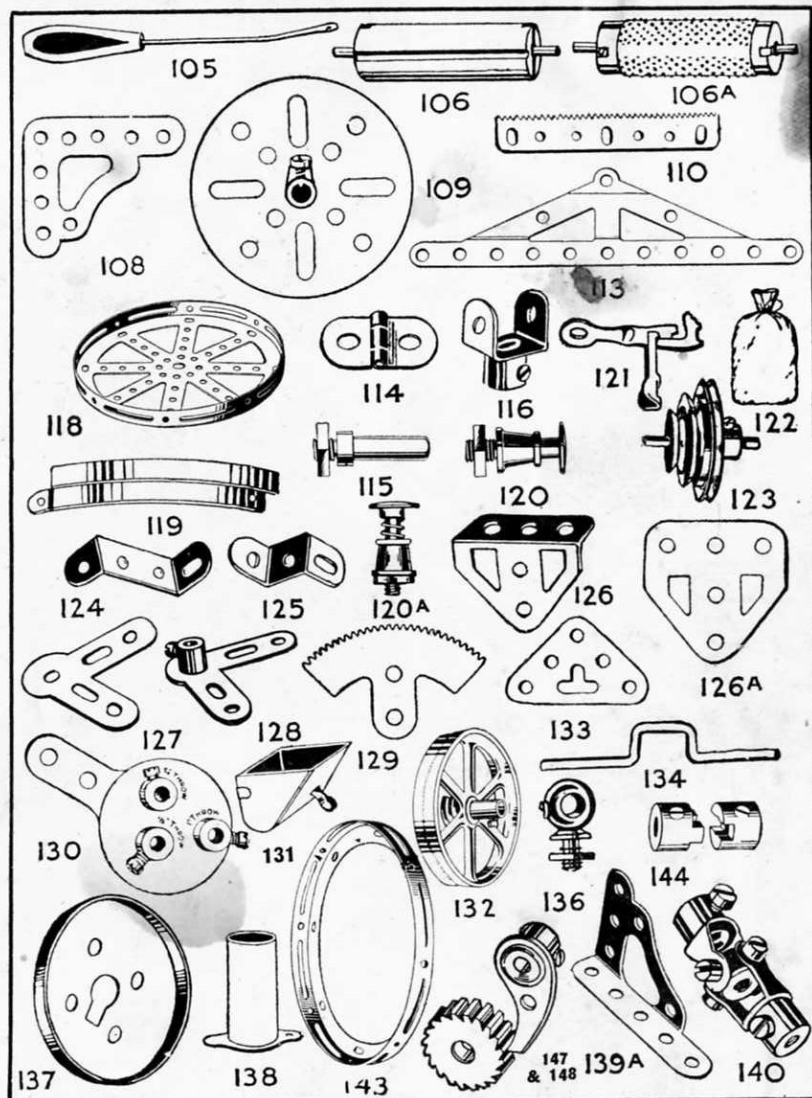
Particulars and Prices of Meccano Parts

| No. | | s. | d. | No. | | s. | d. |
|------|---|--------------------|------|------|--|--------------------|------|
| 1. | Perforated Strips, 12 $\frac{1}{2}$ " long ... | $\frac{1}{2}$ doz. | 1 0 | 24. | Bush Wheels ... | each | 0 6 |
| 1a. | " " 9 $\frac{1}{2}$ " " ... | " | 0 9 | 25. | Pinion Wheels, $\frac{3}{4}$ " diam. ... | " | 0 6 |
| 1b. | " " 7 $\frac{1}{2}$ " " ... | " | 0 8 | 26. | " " $\frac{1}{2}$ " " ... | " | 0 4 |
| 2. | " " 5 $\frac{1}{2}$ " " ... | " | 0 6 | | Gear Wheels. | | |
| 2a. | " " 4 $\frac{1}{2}$ " " ... | " | 0 5 | 27. | 50 teeth to gear with $\frac{3}{4}$ " pinion ... | " | 0 9 |
| 3. | " " 3 $\frac{1}{2}$ " " ... | " | 0 4 | 27a. | 57 " " $\frac{1}{2}$ " " ... | " | 0 9 |
| 4. | " " 3" " ... | " | 0 3 | 27b. | 133 " " $\frac{1}{2}$ " " (3 $\frac{1}{2}$ " diam.) | " | 1 6 |
| 5. | " " 2 $\frac{1}{2}$ " " ... | " | 0 3 | 28. | Contrate Wheels, 1 $\frac{1}{2}$ " diam. ... | " | 0 9 |
| 6. | " " 2" " ... | " | 0 3 | 29. | " " $\frac{1}{2}$ " " ... | " | 0 6 |
| 6a. | " " 1 $\frac{1}{2}$ " " ... | " | 0 3 | 30. | Bevel Gears ... | " | 0 10 |
| 7. | Angle Girders, 24 $\frac{1}{2}$ " long ... | each | 0 8 | 31. | Gear Wheels, 1", 38 teeth ... | " | 1 0 |
| 7a. | " " 18 $\frac{1}{2}$ " " ... | " | 0 6 | 32. | Worm Wheels ... | " | 0 6 |
| 8. | " " 12 $\frac{1}{2}$ " " ... | $\frac{1}{2}$ doz. | 1 9 | 33. | Spanners ... | " | 0 2 |
| 8a. | " " 9 $\frac{1}{2}$ " " ... | " | 1 3 | 34b. | Box Spanners ... | " | 0 3 |
| 8b. | " " 7 $\frac{1}{2}$ " " ... | " | 1 2 | 35. | Spring Clips ... | per box (doz.) | 0 3 |
| 9. | " " 5 $\frac{1}{2}$ " " ... | " | 1 0 | 36. | Screw Drivers ... | each | 0 3 |
| 9a. | " " 4 $\frac{1}{2}$ " " ... | " | 0 10 | 36a. | " " Extra Long ... | " | 0 6 |
| 9b. | " " 3 $\frac{1}{2}$ " " ... | " | 0 8 | 37. | Nuts and Bolts ... | per box (doz.) | 0 6 |
| 9c. | " " 3" " ... | " | 0 8 | 37a. | Nuts ... | " | 0 3 |
| 9d. | " " 2 $\frac{1}{2}$ " " ... | " | 0 7 | 37b. | Bolts, 7/32" ... | " | 0 3 |
| 9e. | " " 2" " ... | " | 0 6 | 38. | Washers ... | " | 0 1 |
| 9f. | " " 1 $\frac{1}{2}$ " " ... | " | 0 6 | 40. | Hanks of Cord ... | 2 for | 0 3 |
| 10. | Flat Brackets ... | " | 0 2 | 41. | Propeller Blades ... | per pair | 0 4 |
| 11. | Double Brackets ... | each | 0 1 | 43. | Springs ... | each | 0 2 |
| 12. | Angle Brackets, $\frac{1}{2}$ " x $\frac{1}{2}$ " ... | doz. | 0 6 | 44. | Cranked Bent Strips ... | " | 0 1 |
| 12a. | " " 1" x 1" ... | each | 0 1 | 45. | Double Bent Strips ... | " | 0 1 |
| 12b. | " " 1" x $\frac{1}{2}$ " ... | " | 0 1 | 46. | Double Angle Strips, 2 $\frac{1}{2}$ " x 1" ... | $\frac{1}{2}$ doz. | 0 6 |
| 13. | Axle Rods, 11 $\frac{1}{2}$ " long ... | " | 0 3 | 47. | " " 2 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ " ... | " | 0 9 |
| 13a. | " " 8" " ... | " | 0 3 | 47a. | " " 3" x 1 $\frac{1}{2}$ " ... | " | 1 0 |
| 14. | " " 6 $\frac{1}{2}$ " " ... | " | 0 2 | 48. | " " 1 $\frac{1}{2}$ " x $\frac{1}{2}$ " ... | " | 0 4 |
| 15. | " " 5" " ... | " | 0 2 | 48a. | " " 2 $\frac{1}{2}$ " x $\frac{1}{2}$ " ... | " | 0 5 |
| 15a. | " " 4 $\frac{1}{2}$ " " ... | " | 0 1 | 48b. | " " 3 $\frac{1}{2}$ " x $\frac{1}{2}$ " ... | " | 0 6 |
| 16. | " " 3 $\frac{1}{2}$ " " ... | " | 0 1 | 48c. | " " 4 $\frac{1}{2}$ " x $\frac{1}{2}$ " ... | " | 0 9 |
| 16a. | " " 2 $\frac{1}{2}$ " " ... | " | 0 1 | 48d. | " " 5 $\frac{1}{2}$ " x $\frac{1}{2}$ " ... | " | 0 9 |
| 16b. | " " 3" " ... | " | 0 1 | 50. | Eye Pieces ... | each | 0 2 |
| 17. | " " 2" " ... | " | 0 1 | 52. | Perforated Flanged Plates, 5 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ " ... | " | 0 5 |
| 18a. | " " 1 $\frac{1}{2}$ " " ... | " | 0 1 | 52a. | Flat Plates, 5 $\frac{1}{2}$ " x 3 $\frac{1}{2}$ " ... | " | 0 5 |
| 18b. | " " 1" " ... | " | 0 1 | 53. | Perforated Flanged Plates, 3 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ " ... | " | 0 3 |
| 19. | Crank Handles ... | " | 0 3 | 53a. | Flat Plates, 4 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ " ... | " | 0 3 |
| 19a. | Wheels, 3" diam., with set screws ... | " | 0 8 | 54. | Perforated Flanged Sector Plates ... | " | 0 3 |
| 20. | Flanged Wheels ... | " | 0 6 | 55. | Perforated Strips, slotted, 5 $\frac{1}{2}$ " long ... | " | 0 2 |
| | | | | 55a. | " " 2" " ... | " | 0 1 |
| | | | | 56. | Instruction Manuals, Complete ... | " | 2 6 |
| | | | | 56a. | " " No. 0-3 ... | " | 1 0 |
| | | | | 56b. | " " No. 0 ... | " | 0 4 |
| | | | | 57. | Hooks ... | " | 0 1 |
| | | | | 57a. | " (scientific) ... | " | 0 1 |
| | | | | 57b. | " Loaded ... | " | 0 5 |
| | | | | 58. | Spring Cord ... | per length | 0 9 |
| | | | | 59. | Collars with Set Screws ... | each | 0 2 |
| | | | | 61. | Windmill Sails ... | " | 0 2 |
| | | | | 62. | Cranks ... | " | 0 3 |

Particulars and Prices of Meccano Parts (continued)

| No. | | s. | d. | No. | | s. | d. |
|-------|-------------------------------|------------|-----|-------|--|----------|------|
| 62a. | Threaded Cranks ... | each | 0 4 | 106. | Wood Rollers ... | each | 1 3 |
| 63. | Couplings ... | " | 0 6 | 106a. | Sand Rollers ... | " | 1 6 |
| 63a. | Octagonal Couplings ... | " | 0 8 | 107. | Tables for Designing Machines ... | " | 1 0 |
| 63b. | Strip Couplings ... | " | 0 8 | 108. | Architraves ... | " | 0 2 |
| 63c. | Threaded Couplings ... | " | 0 6 | 109. | Face Plates, 2½" diam. ... | " | 0 4 |
| 64. | Threaded Bosses ... | " | 0 2 | 110. | Rack Strips, 3½" ... | " | 0 2 |
| 65. | Centre Forks ... | " | 0 2 | 111. | Bolts, ½" ... | " | 0 1 |
| 66. | Weights, 50 grammes ... | " | 1 0 | 111a. | " ¾" ... | 2 for | 0 1 |
| 67. | " 25 ... | " | 1 0 | 113. | Girder Frames ... | each | 0 2 |
| 68. | Woodscrews, ½" ... | doz. | 0 3 | 114. | Hinges ... | per pair | 0 4 |
| 69. | Set Screws ... | " | 0 4 | 115. | Threaded Pins ... | each | 0 2 |
| 69a. | Grub Screws, 5/32" ... | " | 0 4 | 116. | Fork Pieces ... | " | 0 3 |
| 69b. | " 7/32" ... | " | 0 6 | 117. | Steel Balls, ⅜" diam. ... | doz. | 0 6 |
| 70. | Flat Plates, 5½" x 2½" ... | each | 0 3 | 118. | Hub Discs, 5½" diam. ... | each | 1 3 |
| 72. | " 2½" x 2½" ... | " | 0 2 | 119. | Channel Segments (8 to circle, 11½" diam.) ... | " | 0 4 |
| 76. | Triangular Plates, 2½" ... | " | 0 2 | 120. | Buffers ... | " | 0 2 |
| 77. | " 1" ... | " | 0 1 | 120a. | Spring Buffers ... | per pair | 0 8 |
| 78. | Screwed Rods, 11½" ... | " | 0 6 | 121. | Train Couplings ... | each | 0 2 |
| 79. | " 8" ... | " | 0 5 | 122. | Miniature Loaded Sacks ... | " | 0 2 |
| 79a. | " 6" ... | " | 0 4 | 123. | Cone Pulleys ... | " | 1 3 |
| 80. | " 5" ... | " | 0 3 | 124. | Reversed Angle Brackets, 1" ... | ½ doz. | 0 10 |
| 80a. | " 3½" ... | " | 0 3 | 125. | " 1½" ... | " | 0 6 |
| 80b. | " 4½" ... | " | 0 3 | 126. | Trunnions ... | each | 0 3 |
| 81. | " 2" ... | " | 0 2 | 126a. | Flat Trunnions ... | " | 0 2 |
| 82. | " 1" ... | " | 0 1 | 127. | Simple Bell Cranks ... | " | 0 3 |
| 89. | Curved Strips, 5½" ... | " | 0 2 | 128. | Boss Bell Cranks ... | " | 0 4 |
| 90. | " 2½" ... | " | 0 1 | 129. | Rack Segments, 3" diam. ... | " | 0 6 |
| 94. | Sprocket Chain ... | per length | 0 6 | 130. | Triple Throw Eccentrics ... | " | 1 3 |
| 95. | Sprocket Wheels, 2" diam. ... | each | 0 5 | 131. | Dredger Buckets ... | " | 0 2 |
| 95a. | " 1½" ... | " | 0 4 | 132. | Flywheels, 2½" diam. ... | " | 2 3 |
| 95b. | " 3" ... | " | 0 6 | 133. | Corner Brackets ... | " | 0 3 |
| 96. | " 1" ... | " | 0 3 | 134. | Crank Shafts, 1" stroke ... | " | 0 3 |
| 96a. | " ¾" ... | " | 0 3 | 135. | Theodolite Protractors ... | " | 0 3 |
| 97. | Braced Girders, 3½" long ... | ½ doz. | 0 9 | 136. | Handrail Supports ... | " | 0 3 |
| 98. | " 2½" ... | " | 0 6 | 137. | Wheel Flanges ... | " | 0 4 |
| 99. | " 12½" ... | " | 1 9 | 138. | Ship's Funnels ... | " | 0 4 |
| 99a. | " 9½" ... | " | 1 6 | 139. | Flanged Brackets (right) ... | " | 0 2 |
| 100. | " 5½" ... | " | 1 0 | 139a. | (left) ... | " | 0 2 |
| 101. | Healds, for looms ... | doz. | 0 9 | 140. | Universal Couplings ... | " | 0 9 |
| 102. | Single Bent Strips ... | each | 0 1 | 141. | Wire Lines (for suspending clock weights) ... | " | 0 9 |
| 103. | Flat Girders, 5½" long ... | ½ doz. | 1 0 | 142. | Rubber Rings ... | " | 0 4 |
| 103a. | " 9½" ... | " | 1 6 | 143. | Circular Girders, 5½" diam. ... | " | 1 0 |
| 103b. | " 12½" ... | " | 2 0 | 144. | Dog Clutches ... | " | 0 6 |
| 103c. | " 4½" ... | " | 0 9 | 145. | Circular Strip, 7" diam. over all ... | " | 1 0 |
| 103d. | " 3½" ... | " | 0 7 | 146. | " Plates, 6" ... | " | 1 3 |
| 103e. | " 3" ... | " | 0 6 | 147. | Pawls, with pivot bolt and nuts ... | " | 0 3 |
| 103f. | " 2½" ... | ½ doz. | 0 5 | 147a. | Pawls ... | " | 0 2 |
| 103g. | " 2" ... | " | 0 4 | 147b. | Pivot Bolt with nuts ... | " | 0 2 |
| 103h. | " 1½" ... | " | 0 3 | 148. | Ratchet Wheels ... | " | 0 9 |
| 103k. | " 7½" ... | " | 1 3 | 149. | Collecting Shoes, for Electric Locomotives ... | " | 1 6 |
| 104. | Shuttles, for looms ... | each | 4 0 | | | | |
| 105. | Reed Hooks, for looms ... | " | 0 4 | | | | |

As new parts are frequently added to the Meccano system the foregoing list is not necessarily complete. The latest illustrated list should be obtained from your dealer, or from Meccano Ltd., Liverpool.

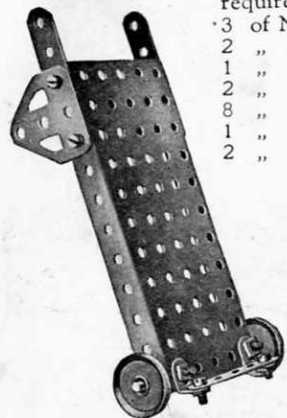


These Models can be made with MECCANO Outfit No. 0.

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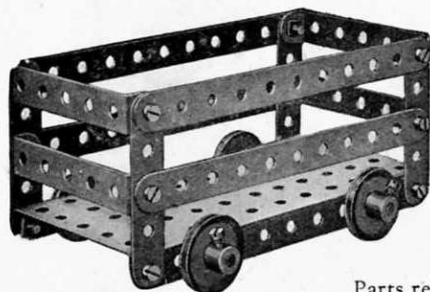
Trucks and Luggage Carts

Model No. 1
Flat Truck



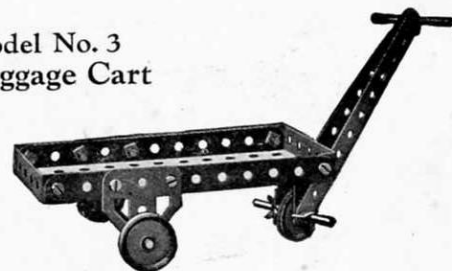
Parts
required:
3 of No. 5
2 " " 12
1 " " 16
2 " " 22
8 " " 37
1 " " 52
2 " " 126A

Model No. 2
Truck with Sides



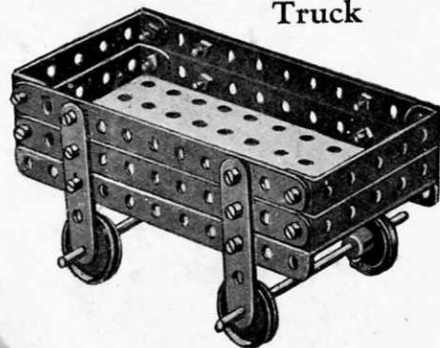
Parts required:
4 of No. 2 | 4 of No. 22
4 " " 5 | 12 " " 37
2 " " 16 | 4 " " 48A
1 of No. 52

Model No. 3
Luggage Cart



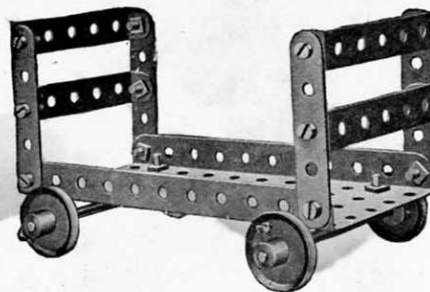
Parts required
2 of No. 2 | 9 of No. 37
1 " " 16 | 1 " " 44
2 " " 17 | 2 " " 48A
3 " " 22 | 1 " " 52
4 " " 35 | 2 " " 126A

Model No. 4
Truck



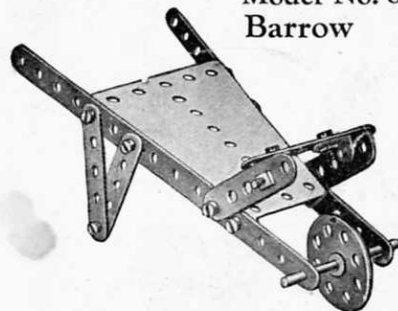
Parts required:
4 of No. 2 | 4 of No. 22
4 " " 5 | 16 " " 37
2 " " 16 | 4 " " 48A
1 of No. 52

Model No. 5
Luggage Truck



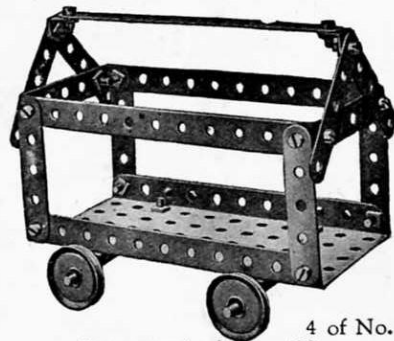
Parts required:
4 of No. 5 | 16 of No. 37
2 " " 16 | 4 " " 48A
4 " " 22 | 1 " " 52

Model No. 6
Barrow



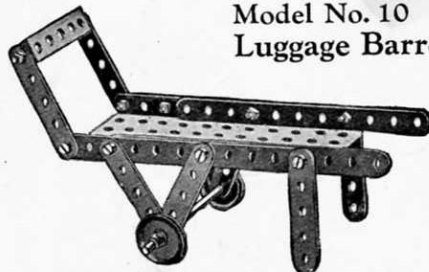
Parts required:
2 of No. 2 | 1 of No. 24
9 " " 5 | 2 " " 35
2 " " 12 | 14 " " 37
1 " " 17 | 1 " " 54

Model No. 7
Covered Truck



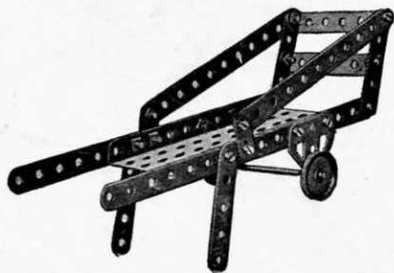
| | | | |
|-----------------|-------------|--------------|----|
| Parts required: | | | |
| 3 of No. 2 | 2 of No. 12 | 20 of No. 22 | 37 |
| 8 " " 5 | 2 " " 16 | 4 " " 48A | 52 |
| | | 1 " " 52 | |

Model No. 10
Luggage Barrow



| | | | |
|-----------------|--|----|-----|
| Parts required: | | | |
| 2 of No. 2 | | 8 | 5 |
| 1 " " 16 | | 1 | 22 |
| 2 " " 37 | | 10 | 48A |
| 1 " " 52 | | 1 | |

Model No. 13 Coster's Barrow

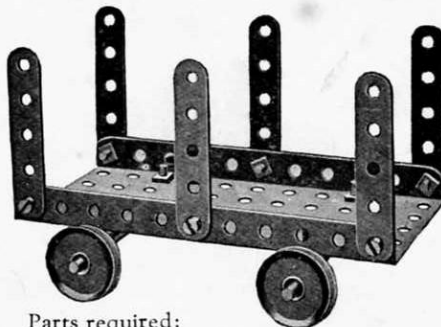


| | | | |
|-----------------|--|----|-----|
| Parts required: | | | |
| 4 of No. 2 | | 4 | 5 |
| 1 " " 16 | | 1 | 22 |
| 2 " " 37 | | 16 | 48A |
| 2 " " 52 | | 1 | |
| 2 " " 126A | | 2 | |

These Models can be made with MECCANO Outfit No. 0.

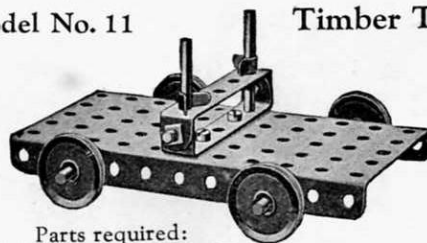
Trucks and Luggage Carts (continued)

Model No. 8 Timber Truck



| | | | |
|-----------------|--------------|--|--|
| Parts required: | | | |
| 6 of No. 5 | 10 of No. 37 | | |
| 2 " " 16 | 2 " " 48 | | |
| 4 " " 22 | 1 " " 52 | | |

Model No. 11 Timber Truck



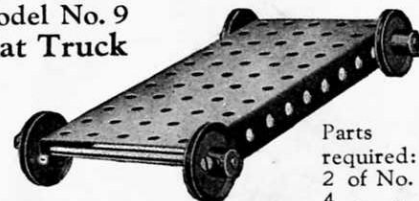
| | | | |
|-----------------|-------------|--|--|
| Parts required: | | | |
| 2 of No. 16 | 4 of No. 35 | | |
| 2 " " 17 | 4 " " 37 | | |
| 4 " " 22 | 2 " " 48A | | |
| | 1 of No. 52 | | |

Model No. 14 Timber Drag



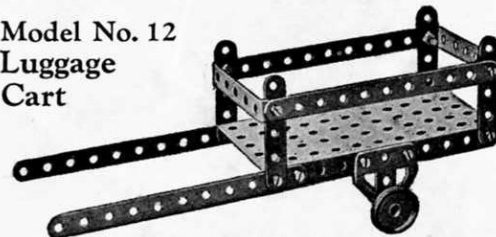
| | | | |
|-----------------|-------------|-------------|--|
| Parts required: | | | |
| 4 of No. 2 | 2 of No. 16 | 8 of No. 37 | |
| 2 " " 11 | 4 " " 22 | 4 " " 48A | |

Model No. 9
Flat Truck



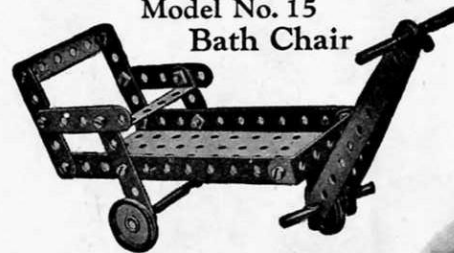
| | | | |
|-----------------|--|---|----|
| Parts required: | | | |
| 2 of No. 16 | | 4 | 22 |
| 1 " " 52 | | 1 | |

Model No. 12
Luggage Cart



| | | | |
|-----------------|--------------|--|--|
| Parts required: | | | |
| 4 of No. 2 | 14 of No. 37 | | |
| 4 " " 5 | 2 " " 48A | | |
| 1 " " 16 | 1 " " 52 | | |
| 2 " " 22 | 2 " " 126A | | |

Model No. 15
Bath Chair

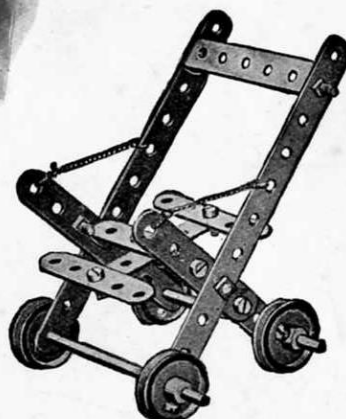


| | | | |
|-----------------|-------------|--------------|--|
| Parts required: | | | |
| 2 of No. 2 | 2 of No. 17 | 13 of No. 37 | |
| 6 " " 5 | 3 " " 22 | 1 " " 44 | |
| 1 " " 16 | 4 " " 35 | 3 " " 48A | |
| | 1 " " 52 | | |

These Models can be made with MECCANO Outfit No. 0.

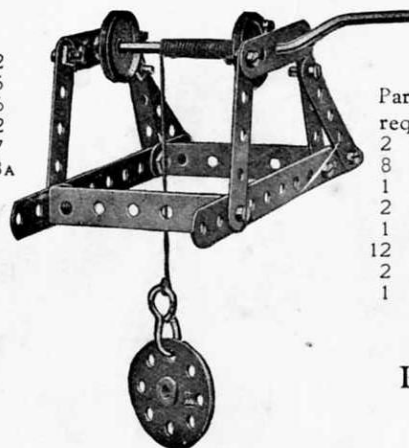
7

Model No. 16 Go Chair



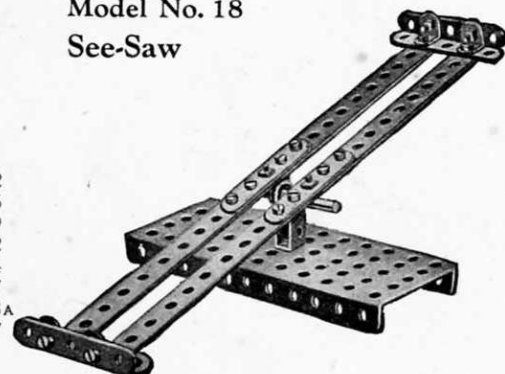
Parts
required:
2 of No. 2
7 " " 5
2 " " 16
4 " " 22
11 " " 37
2 " " 48A

Model No. 17 Well Windlass



Parts
required:
2 of No. 2
8 " " 5
1 " " 19
2 " " 22
1 " " 24
12 " " 37
2 " " 48A
1 " " 57

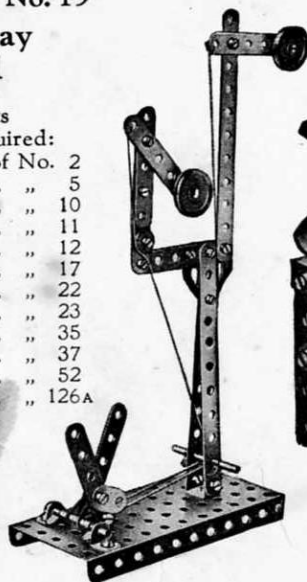
Model No. 18
See-Saw



Parts
required:
4 of No. 2
6 " " 5
6 " " 12
1 " " 17
15 " " 37
1 " " 44
1 " " 52

Model No. 19
Railway
Signal

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



Model No. 20
Potter's Wheel



Potter's Wheel
(underneath view)

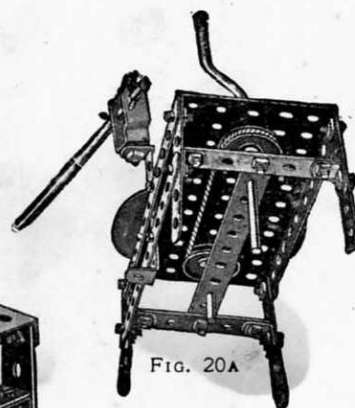
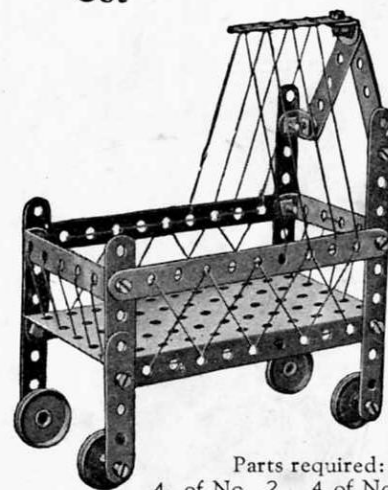


FIG. 20A

Parts required:
3 of No. 2 | 1 of No. 24
4 " " 5 | 2 " " 35
1 " " 16 | 17 " " 37
1 " " 19 | 1 " " 44
2 " " 22 | 3 " " 48A
1 of No. 52

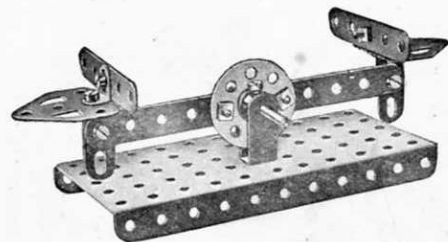
Model No. 21
Cot



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

These Models can be made with MECCANO Outfit No. 0.

Model No. 22 Scales



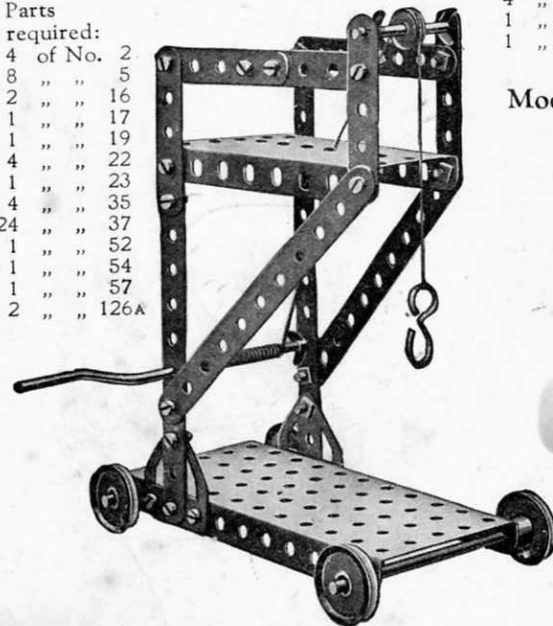
Parts required:-

| | | |
|------------|-------------|-------------|
| 1 of No. 2 | 2 of No. 12 | 9 of No. 37 |
| 2 " " 5 | 1 " " 17 | 1 " " 44 |
| 2 " " 10 | 1 " " 24 | 1 " " 52 |
| | 2 " " 126A | |

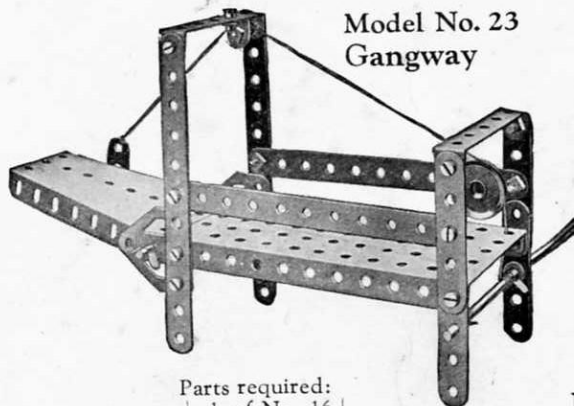
Model No. 25 Tower Wagon

Parts required:

| |
|------------|
| 4 of No. 2 |
| 8 " " 5 |
| 2 " " 16 |
| 1 " " 17 |
| 1 " " 19 |
| 4 " " 22 |
| 1 " " 23 |
| 4 " " 35 |
| 24 " " 37 |
| 1 " " 52 |
| 1 " " 54 |
| 1 " " 57 |
| 2 " " 126A |



Model No. 23 Gangway



Parts required:

| | | |
|------------|-------------|--------------|
| 4 of No. 2 | 1 of No. 16 | 2 of No. 48A |
| 4 " " 5 | 1 " " 19 | 1 " " 52 |
| 1 " " 10 | 1 " " 22 | 1 " " 54 |
| 1 " " 12 | 1 " " 23 | 2 " " 126A |
| | 4 " " 35 | |
| | 18 " " 37 | |

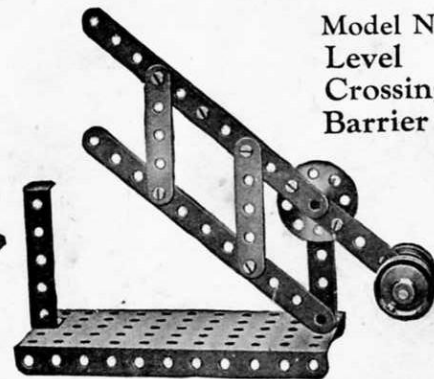
Model No. 26 Pulley Shaft



Parts required:

| | |
|------------|-------------|
| 4 of No. 2 | 4 of No. 22 |
| 4 " " 12 | 10 " " 37 |
| 1 " " 16 | 2 " " 38 |
| | 1 of No. 52 |

Model No. 24 Level Crossing Barrier



Parts required:

| |
|------------|
| 3 of No. 2 |
| 2 " " 5 |
| 1 " " 17 |
| 4 " " 22 |
| 1 " " 24 |
| 10 " " 37 |
| 2 " " 48A |
| 1 " " 52 |

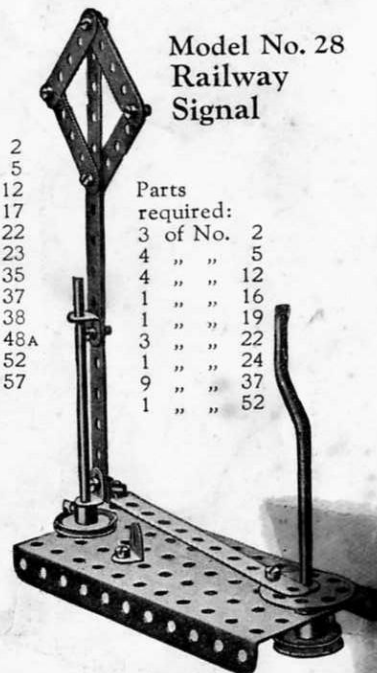
Model No. 27 Hoisting Block



Parts required:

| |
|------------|
| 4 of No. 2 |
| 6 " " 5 |
| 6 " " 12 |
| 1 " " 17 |
| 1 " " 22 |
| 1 " " 23 |
| 2 " " 35 |
| 25 " " 37 |
| 3 " " 38 |
| 2 " " 48A |
| 1 " " 52 |
| 1 " " 57 |

Model No. 28 Railway Signal



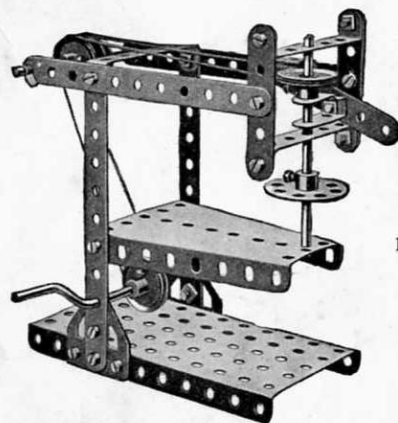
Parts required:

| |
|------------|
| 3 of No. 2 |
| 4 " " 5 |
| 4 " " 12 |
| 1 " " 16 |
| 1 " " 19 |
| 3 " " 22 |
| 1 " " 24 |
| 9 " " 37 |
| 1 " " 52 |

These Models can be made with MECCANO Outfit No. 0.

9

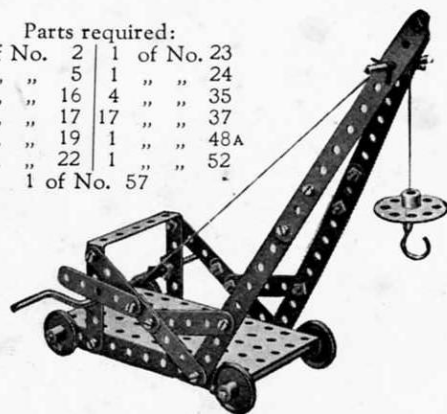
Model No. 29 Drilling Machine



Parts required:

| | |
|------------|--|
| 4 of No. 2 | |
| 3 " " 5 | |
| 1 " " 11 | |
| 2 " " 16 | |
| 1 " " 19 | |
| 4 " " 22 | |
| 1 " " 24 | |
| 4 " " 35 | |
| 19 " " 37 | |
| 1 " " 44 | |
| 3 " " 48A | |
| 1 " " 52 | |
| 1 " " 54 | |
| 2 " " 126A | |

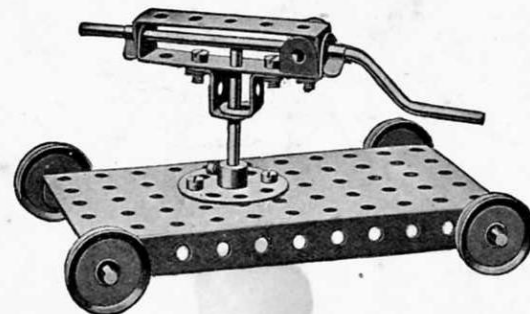
Model No. 30 Jib Crane



Parts required:

| | |
|-------------|-------------|
| 4 of No. 2 | 1 of No. 23 |
| 9 " " 5 | 1 " " 24 |
| 2 " " 16 | 4 " " 35 |
| 1 " " 17 | 17 " " 37 |
| 1 " " 19 | 1 " " 48A |
| 4 " " 22 | 1 " " 52 |
| 1 of No. 57 | |

Model No. 31 Rock Drill



Parts required:

| | | |
|-------------|-------------|--------------|
| 2 of No. 16 | 4 of No. 22 | 2 of No. 48A |
| 1 " " 17 | 1 " " 24 | 1 " " 52 |
| 1 " " 19 | 2 " " 35 | 2 " " 125 |
| | 4 " " 37 | |

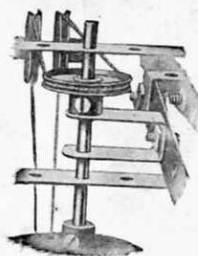
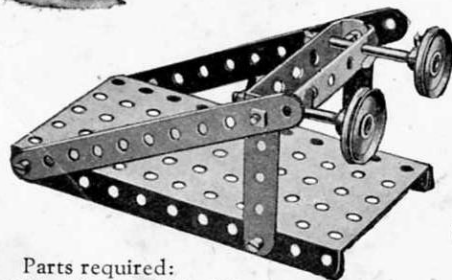


FIG. 29A

(Detail of
Drilling
Machine)

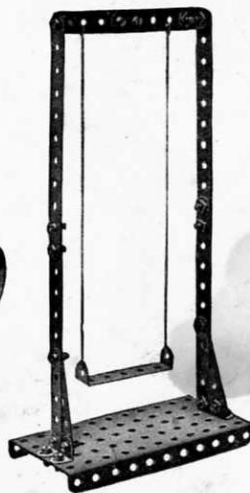
Model No. 32 Buffers



Parts required:

| | |
|------------|-------------|
| 2 of No. 2 | 2 of No. 35 |
| 2 " " 5 | 6 " " 37 |
| 2 " " 17 | 2 " " 48A |
| 2 " " 22 | 1 " " 52 |

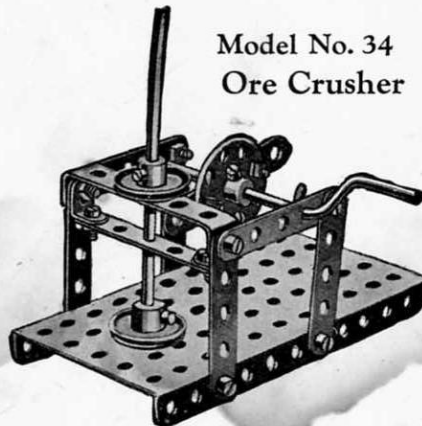
Model No. 33 Swing



Parts required:

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

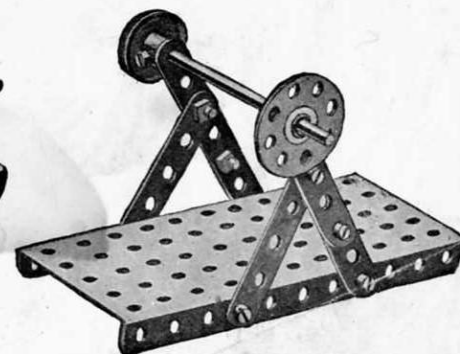
Model No. 34 Ore Crusher



Parts required:

| | |
|------------|-------------|
| 6 of No. 5 | 1 of No. 24 |
| 2 " " 10 | 2 " " 35 |
| 1 " " 16 | 10 " " 37 |
| 1 " " 19 | 2 " " 48A |
| 2 " " 22 | 1 " " 52 |

Model No. 35 Buffing Spindle



Parts required:

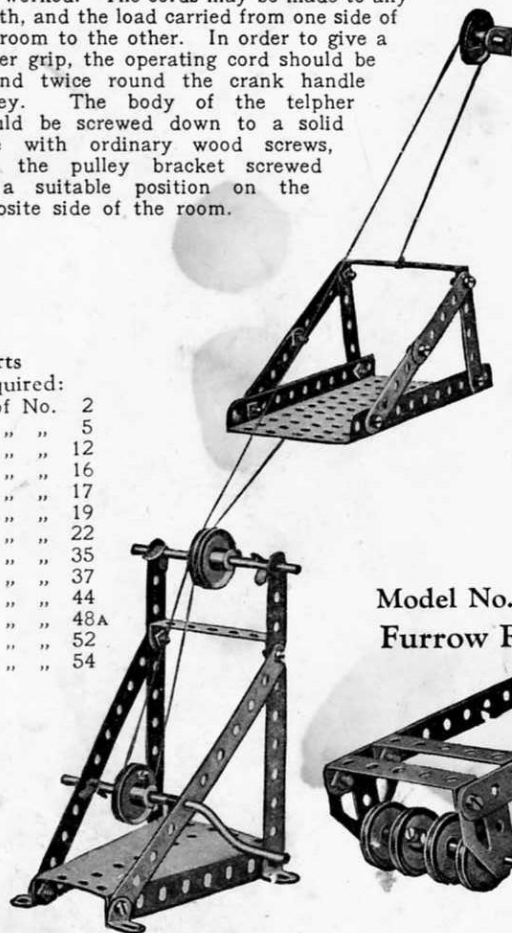
| | |
|------------|-------------|
| 6 of No. 5 | 1 of No. 24 |
| 1 " " 16 | 8 " " 37 |
| 1 " " 22 | 1 " " 52 |

Model No. 36 Telpher Span

Many hours of enjoyment may be obtained from this model. The illustration shows exactly how it is worked. The cords may be made to any length, and the load carried from one side of the room to the other. In order to give a better grip, the operating cord should be wound twice round the crank handle pulley. The body of the telpher should be screwed down to a solid base with ordinary wood screws, and the pulley bracket screwed in a suitable position on the opposite side of the room.

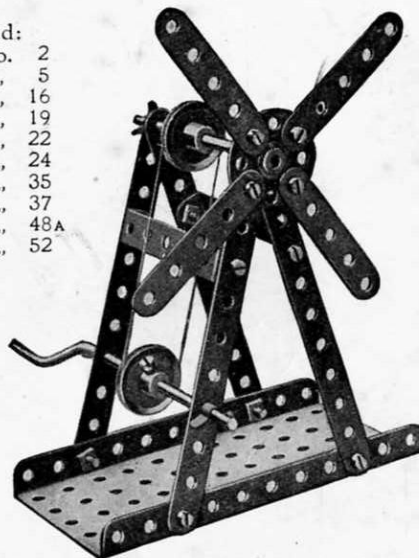
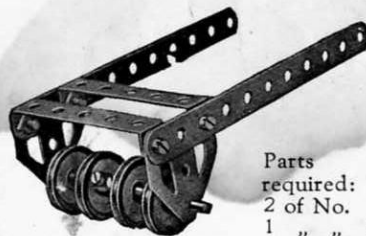
Parts
required:

| | |
|----------|-----|
| 4 of No. | 2 |
| 6 " " | 5 |
| 4 " " | 12 |
| 1 " " | 16 |
| 1 " " | 17 |
| 1 " " | 19 |
| 4 " " | 22 |
| 6 " " | 35 |
| 14 " " | 37 |
| 1 " " | 44 |
| 2 " " | 48A |
| 1 " " | 52 |
| 1 " " | 54 |

**Model No. 37 Windmill**

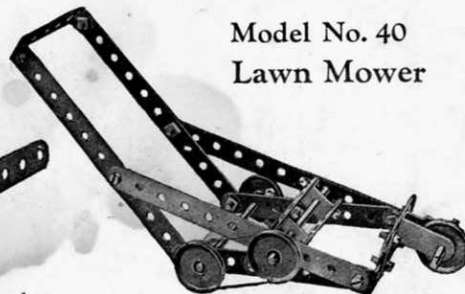
Parts
required:

| | |
|----------|-----|
| 4 of No. | 2 |
| 4 " " | 5 |
| 1 " " | 16 |
| 1 " " | 19 |
| 2 " " | 22 |
| 1 " " | 24 |
| 4 " " | 35 |
| 12 " " | 37 |
| 2 " " | 48A |
| 1 " " | 52 |

**Model No. 39
Furrow Roller**

Parts
required:

| | |
|----------|------|
| 2 of No. | 2 |
| 1 " " | 16 |
| 4 " " | 22 |
| 4 " " | 37 |
| 2 " " | 48A |
| 2 " " | 126A |

**Model No. 40
Lawn Mower**

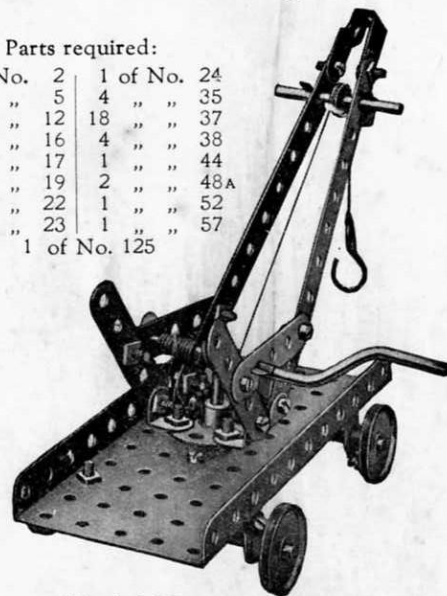
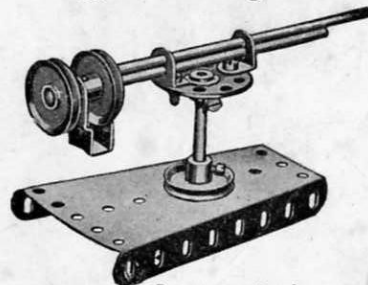
Parts required:

| | | | |
|--------------|----|----------|----|
| 4 of No. | 2 | 1 of No. | 17 |
| 7 " " | 5 | 4 " " | 22 |
| 2 " " | 11 | 19 " " | 37 |
| 2 " " | 16 | 1 " " | 44 |
| 3 of No. 48A | | | |

Model No. 38 Swivelling Crane

Parts required:

| | | | |
|--------------|----|----------|-----|
| 2 of No. | 2 | 1 of No. | 24 |
| 4 " " | 5 | 4 " " | 35 |
| 4 " " | 12 | 18 " " | 37 |
| 2 " " | 16 | 4 " " | 38 |
| 2 " " | 17 | 1 " " | 44 |
| 1 " " | 19 | 2 " " | 48A |
| 4 " " | 22 | 1 " " | 52 |
| 1 " " | 23 | 1 " " | 57 |
| 1 of No. 125 | | | |

**Model No. 41
Quick-Firing Gun**

Parts required:

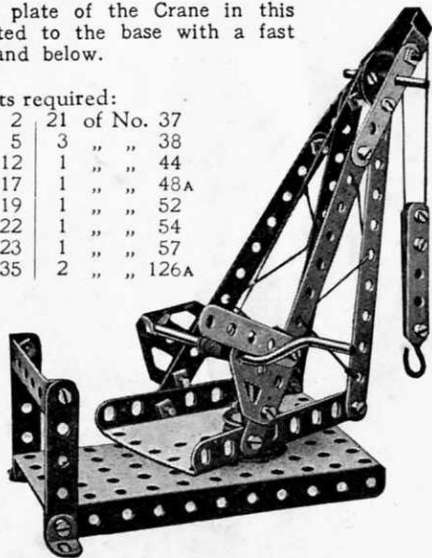
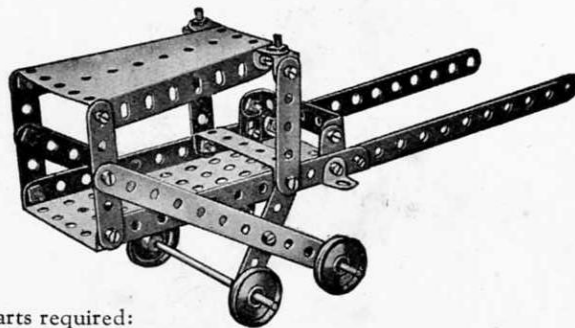
| | | | |
|-------------|----|----------|----|
| 2 of No. | 12 | 1 of No. | 24 |
| 2 " " | 16 | 4 " " | 37 |
| 1 " " | 17 | 1 " " | 44 |
| 1 of No. 54 | | | |

Model No. 42 Swivelling Crane

The sector plate of the Crane in this model is pivoted to the base with a fast pulley above and below.

Parts required:

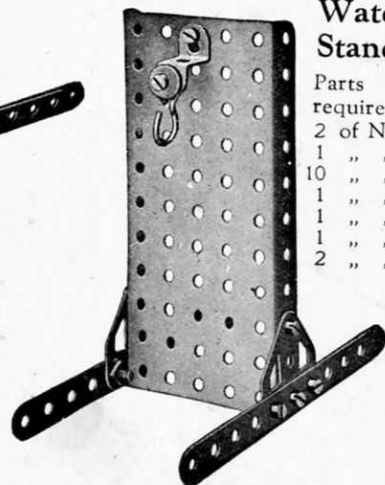
| | |
|------------|--------------|
| 4 of No. 2 | 21 of No. 37 |
| 7 " " 5 | 3 " " 38 |
| 2 " " 12 | 1 " " 44 |
| 2 " " 17 | 1 " " 48A |
| 1 " " 19 | 1 " " 52 |
| 4 " " 22 | 1 " " 54 |
| 1 " " 23 | 1 " " 57 |
| 2 " " 35 | 2 " " 126A |

**Model No. 43 Ticca Gharry****Parts required:**

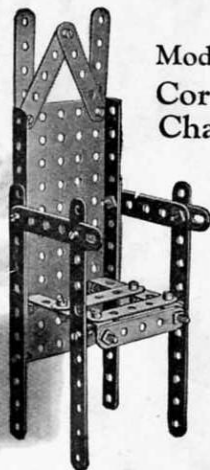
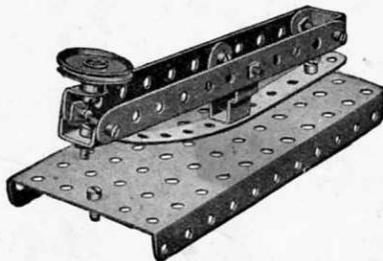
| | |
|-------------|-------------|
| 4 of No. 2 | 2 of No. 16 |
| 6 " " 5 | 4 " " 22 |
| 2 " " 10 | 22 " " 37 |
| 6 " " 12 | 1 " " 52 |
| 1 of No. 54 | |

Model No. 44**Watch Stand****Parts required:**

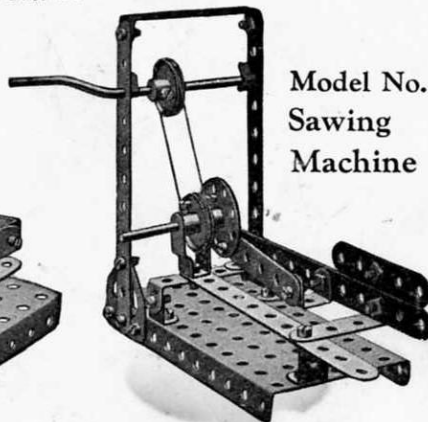
| | |
|------------|--|
| 2 of No. 2 | |
| 1 " " 23 | |
| 10 " " 37 | |
| 1 " " 52 | |
| 1 " " 57 | |
| 1 " " 125 | |
| 2 " " 126A | |

**Model No. 45
Coronation
Chair****Parts required:**

| | |
|------------|--|
| 4 of No. 2 | |
| 9 " " 5 | |
| 2 " " 10 | |
| 2 " " 12 | |
| 19 " " 37 | |
| 2 " " 48A | |
| 1 " " 52 | |

**Model No. 46
Telegraph Key****Parts required:**

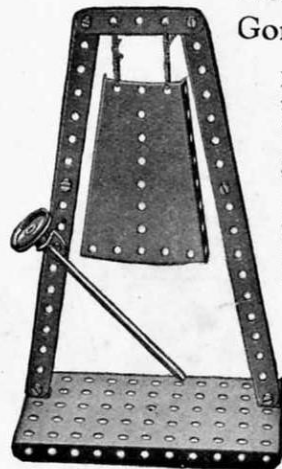
| | |
|------------|-------------|
| 3 of No. 2 | 1 of No. 22 |
| 1 " " 10 | 11 " " 37 |
| 2 " " 11 | 1 " " 44 |
| 1 " " 12 | 1 " " 52 |

**Model No. 47
Sawing
Machine****Parts required:**

| | |
|---------------|-------------|
| 4 of No. 2 | 1 of No. 24 |
| 3 " " 3 | 2 " " 35 |
| 4 " " 12 | 23 " " 37 |
| 1 " " 17 | 1 " " 44 |
| 1 " " 19 | 2 " " 48A |
| 2 " " 22 | 1 " " 52 |
| 2 of No. 126A | |

**Model No. 48
Gong****Parts required:**

| | |
|------------|--|
| 4 of No. 2 | |
| 1 " " 5 | |
| 3 " " 12 | |
| 1 " " 16 | |
| 1 " " 22 | |
| 7 " " 37 | |
| 1 " " 52 | |
| 1 " " 54 | |



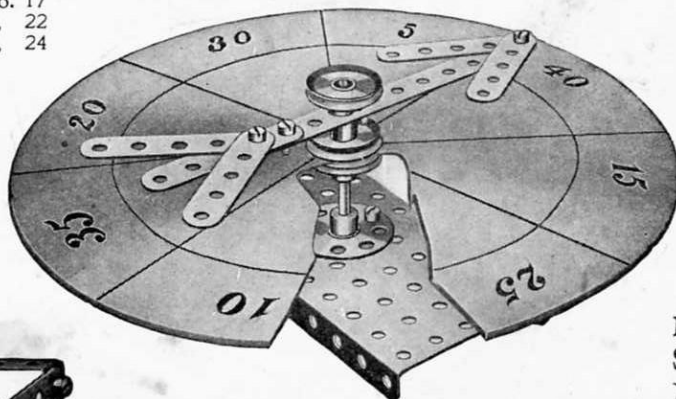
These Models can be made with MECCANO Outfit No. 0.

**Model No. 49
Spinning Top**



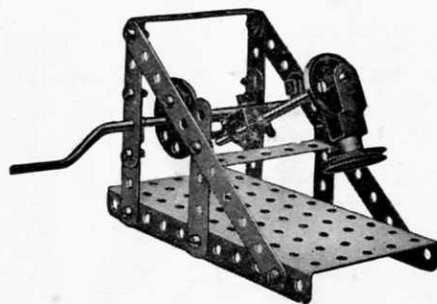
Parts
required:
1 of No. 17
1 " " 22
1 " " 24

Model No. 50 Roulette Wheel



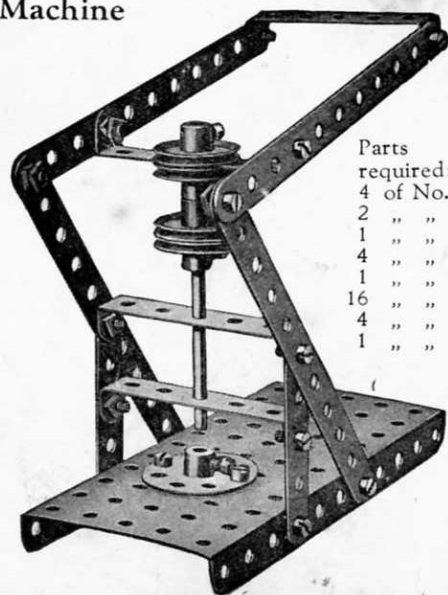
Parts required:
1 of No. 2 | 1 of No. 16 | 5 of No. 37
5 " " 5 | 3 " " 22 | 1 " " 52
1 " " 24

**Model No. 51
Mechanical Hammer**



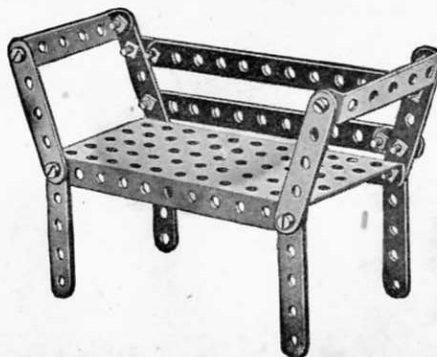
Parts
required:
2 of No. 2
6 " " 5
1 " " 11
1 " " 12
1 " " 16
1 " " 19
2 " " 22
1 " " 24
4 " " 35
18 " " 37
1 " " 44
3 " " 48A
1 " " 52

**Model No. 52
Punching
Machine**



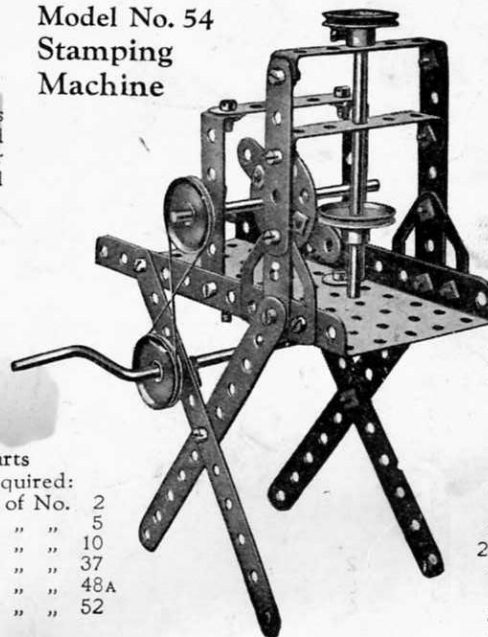
Parts
required:
4 of No. 2
2 " " 5
1 " " 16
4 " " 22
1 " " 24
16 " " 37
4 " " 48A
1 " " 52

Model No. 53 Settee



Parts
required:
2 of No. 2
8 " " 5
3 " " 10
15 " " 37
2 " " 48A
1 " " 52

**Model No. 54
Stamping
Machine**



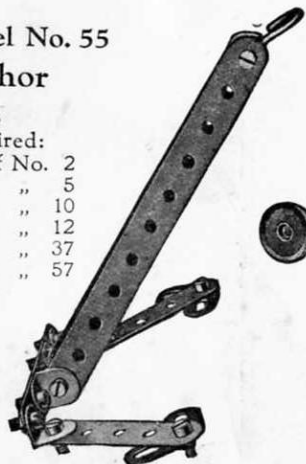
Parts
required:
4 of No. 2
4 " " 5
1 " " 16
1 " " 19
4 " " 22
1 " " 24
2 " " 35
20 " " 37
4 " " 48A
1 " " 52
2 " " 126A

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.

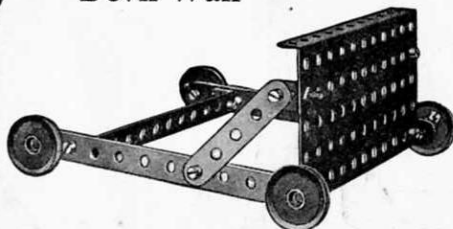
These Models can be made with MECCANO Outfit No. 0.

Model No. 55
Anchor

Parts
required:
2 of No. 2
3 " " 5
4 " " 10
4 " " 12
11 " " 37
1 " " 57

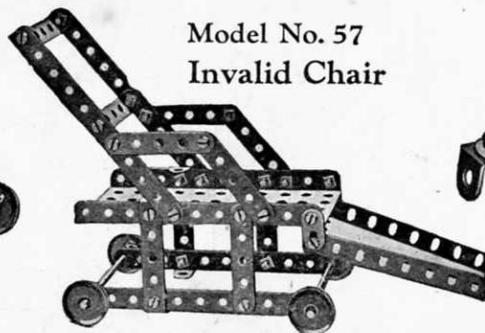


Model No. 56
Devil Wall



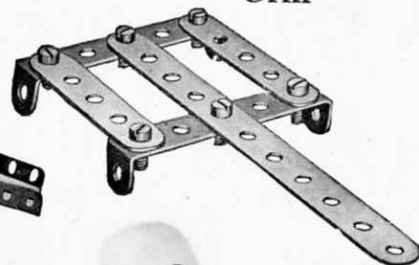
Parts required:
3 of No. 2 | 4 of No. 22
2 " " 5 | 18 " " 37
6 " " 12 | 1 " " 52

Model No. 57
Invalid Chair



Parts required:
4 of No. 2 | 2 of No. 16 | 4 of No. 48A
6 " " 5 | 4 " " 22 | 1 " " 52
2 " " 10 | 24 " " 37 | 1 " " 54

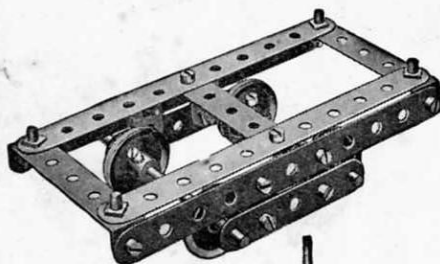
Model No. 58
Grill



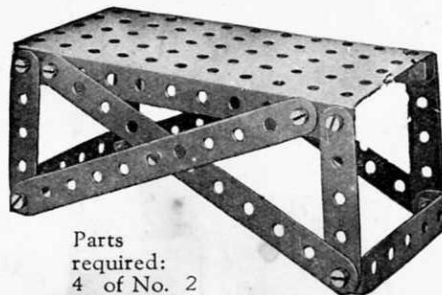
Parts required:
1 of No. 2 | 6 of No. 37
2 " " 5 | 2 " " 48A

Model No. 59
Bogie Car

Parts
required:
4 of No. 2
3 " " 5
4 " " 10
2 " " 16
4 " " 22
18 " " 37

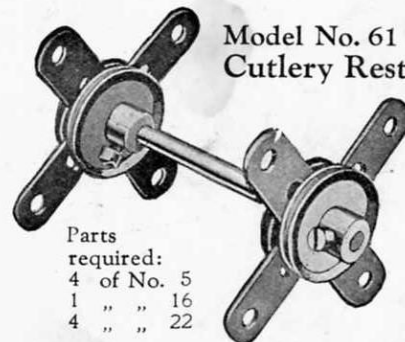


Model No. 60 Fire Stand



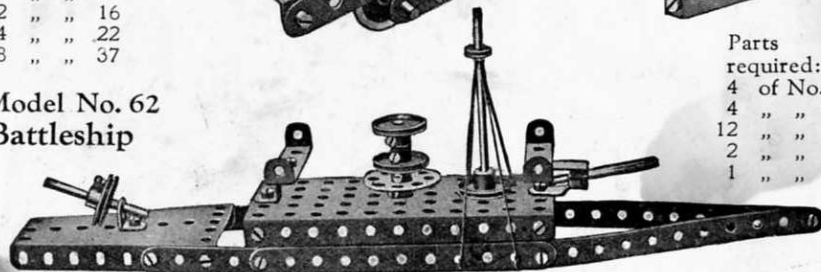
Parts
required:
4 of No. 2
4 " " 5
12 " " 37
2 " " 48A
1 " " 52

Model No. 61
Cutlery Rest



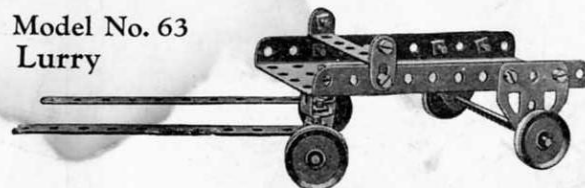
Parts
required:
4 of No. 5
1 " " 16
4 " " 22

Model No. 62
Battleship



Parts required:
4 of No. 2 | 1 of No. 16 | 1 of No. 24 | 2 of No. 48A
3 " " 5 | 2 " " 17 | 3 " " 35 | 1 " " 52
4 " " 10 | 4 " " 22 | 19 " " 37 | 1 " " 54
1 " " 12 | 1 " " 23 | 1 " " 44 | 1 " " 125

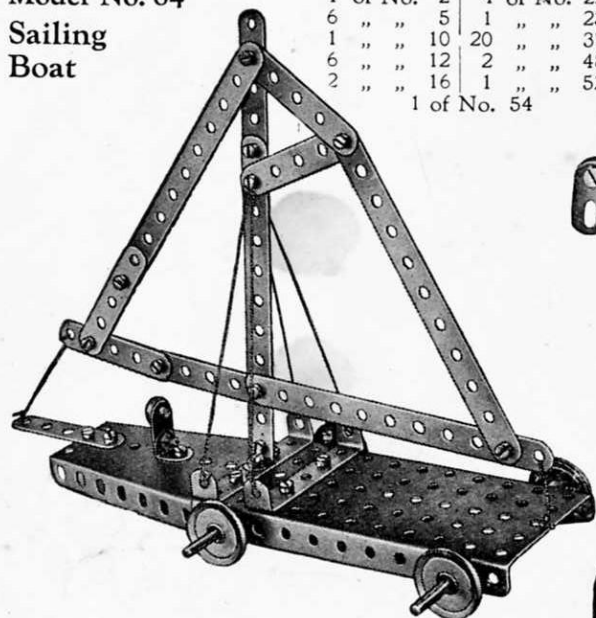
Model No. 63
Lorry



Parts required:
2 of No. 2 | 2 of No. 16 | 2 of No. 48A
2 " " 10 | 4 " " 22 | 1 " " 52
1 " " 11 | 12 " " 37 | 2 " " 126A

These Models can be made with MECCANO Outfit No. 0.

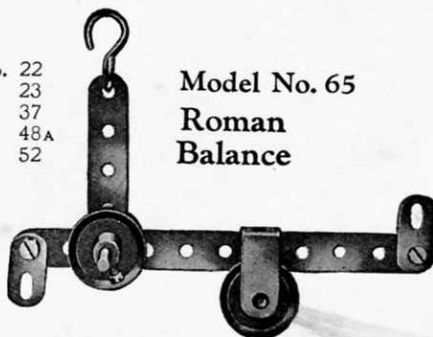
Model No. 64
Sailing
Boat



Parts required:

| | | |
|-------------|----|-------------|
| 4 of No. 2 | 2 | 4 of No. 22 |
| 6 " " 5 | 1 | " " 23 |
| 1 " " 10 | 20 | " " 37 |
| 6 " " 12 | 2 | " " 48A |
| 2 " " 16 | 1 | " " 52 |
| 1 of No. 54 | | |

Model No. 65
Roman
Balance



Parts required:

| | | |
|------------|---|-------------|
| 1 of No. 2 | 2 | 3 of No. 22 |
| 1 " " 5 | 3 | " " 37 |
| 2 " " 10 | 1 | " " 44 |
| 1 " " 17 | 1 | " " 57 |

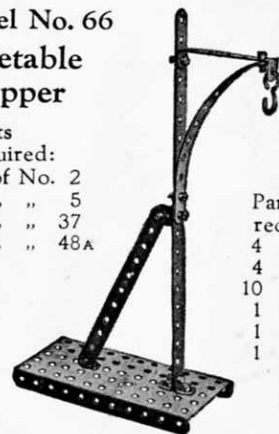
Model No. 66
Vegetable
Chopper



Parts required:

| | |
|------------|--|
| 4 of No. 2 | |
| 4 " " 5 | |
| 18 " " 37 | |
| 4 " " 48A | |

Model No. 67
Mail-Bag
Hanger



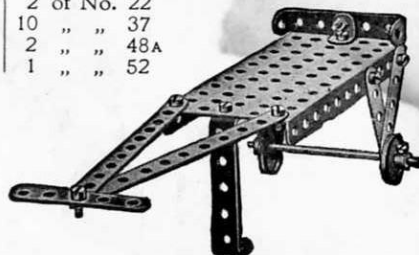
Parts required:

| | |
|------------|--|
| 4 of No. 2 | |
| 4 " " 12 | |
| 10 " " 37 | |
| 1 " " 48A | |
| 1 " " 52 | |
| 1 " " 57 | |

Model No. 68 Shipyard Bogie

Parts required:

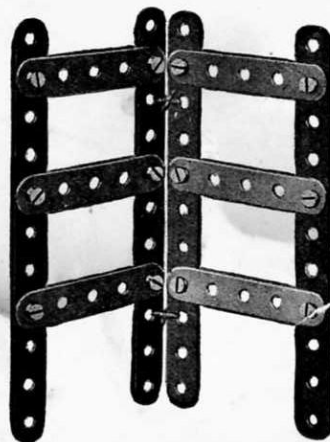
| | |
|------------|-------------|
| 2 of No. 2 | 2 of No. 22 |
| 5 " " 5 | 10 " " 37 |
| 1 " " 12 | 2 " " 48A |
| 1 " " 16 | 1 " " 52 |



Model No. 69
Clothes
Horse

Parts required:

| | |
|------------|--|
| 4 of No. 2 | |
| 6 " " 5 | |
| 12 " " 37 | |



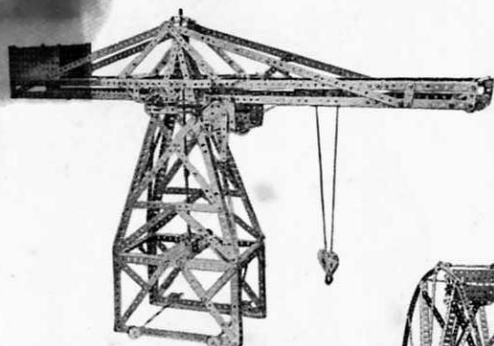
Model No. 70 Pen Rack



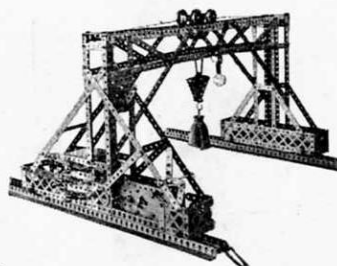
Parts required:

| | |
|------------|--|
| 4 of No. 2 | |
| 4 " " 5 | |
| 4 " " 10 | |
| 19 " " 37 | |
| 4 " " 48A | |
| 1 " " 52 | |
| 1 " " 57 | |

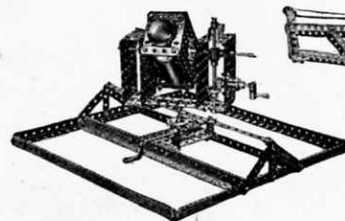
A FEW CHOICE MECCANO MODELS



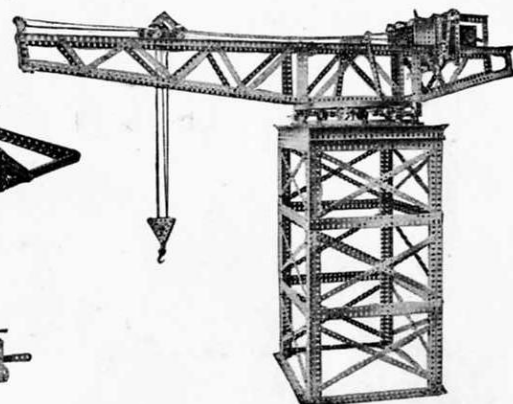
Radial Crane



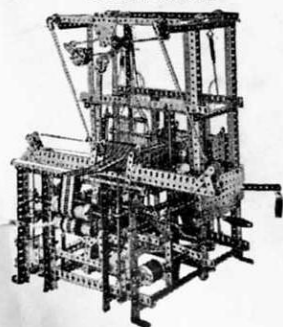
Travelling Gantry Crane



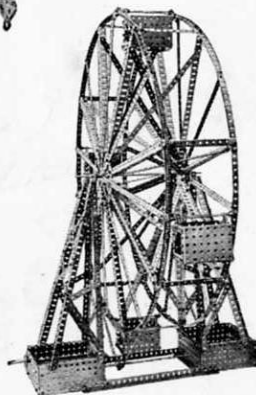
Searchlight



Hammer-Head Crane

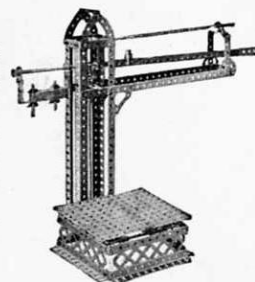


Loom

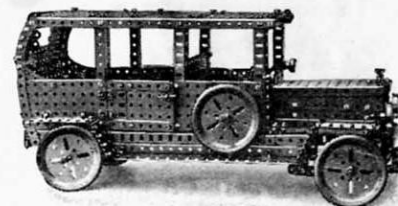


Big Wheel

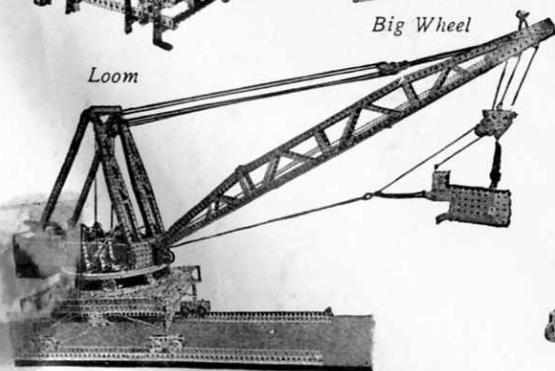
Here is a selection of splendid Meccano models that any boy may build without study. Full instructions for building them (as well as many other fine models) are contained in the Complete Meccano Manual.



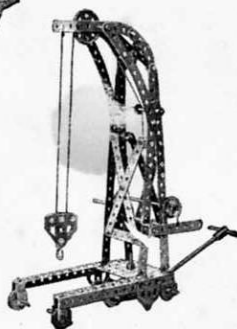
Platform Scales



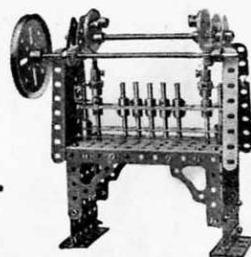
Meccano Limousine



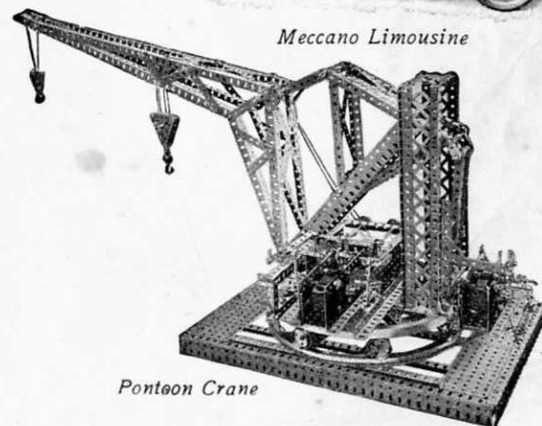
Dragline



Platform Crane



Punching Press



Pontoon Crane

MECCANO ACCESSORY OUTFITS AND MOTORS



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 see page 18.

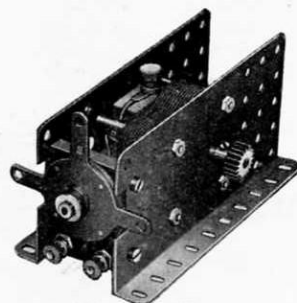
Electrical Outfit

All Meccano boys are fascinated by electricity and never become tired of learning more about this wonderful subject. The application of electricity to the Meccano system adds a further and wonderful charm, and the joys of model-building are now increased by the fascinating pastime of carrying out delightful electrical experiments.

The Meccano Electrical Outfit contains a number of specially designed electrical parts which may be used in conjunction with any of the regular Outfits.



For price see page 18.



No. 1 Electric Motor (4-Volt)

The 4-volt motor is specially designed to build into Meccano models. It may be run by a 4-volt accumulator, or, by employing a suitable transformer, direct from the main. Fitted with reversing motion, provided with stopping and starting controls, and the gearing is interchangeable.

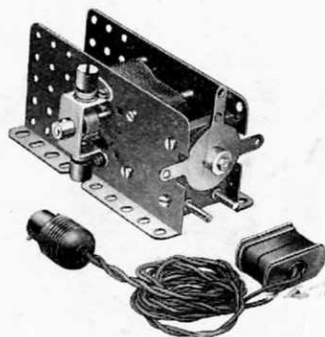
For price see page 18.

No. 2 Electric Motor (100-250 Volt A.C. or D.C.)

This Electric Motor may be employed for any purpose for which a small motor is suitable, but it is specially adapted for driving Meccano models. The side plates are perforated with standard equidistant holes, thus allowing the motor to be built into any Meccano model. The motor is specially designed for connection with the electric-light main. It is supplied for 100-120 volts or 200-250 volts (alternating or direct), and is fitted with 6 ft. length of flex, an insulated plug for connection with the motor terminals, and an adapter for connection with an ordinary lamp socket.

A suitable resistance is required when the motor is run with a 200-250 volt current, and this is supplied by connecting a 60-watt lamp in series with the motor. A board on which are mounted a suitable lamp-holder (lamp not included) and a switch is provided separately.

For price see page 18.



4-Volt Accumulator

This new and excellent type of accumulator has been adapted to drive the No. 1 Meccano Electric Motor. 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.

For price see page 18.



Clockwork Motor

How splendid it is, after spending hours in building a model, to be able to set it in motion with a motor, just as do real engineers! The Meccano Clockwork Motor is specially made for this purpose and is a fine piece of mechanism—simple, powerful, and reliable. It is fitted with starting and stopping levers, and has a reversing movement.

For price see page 18.



HORNBY TRAINS

Hornby Trains are manufactured by Meccano Limited, and they are made from the finest materials obtainable. A most valuable feature of the Locos is that all the parts are standardised and any lost or damaged units may be replaced with new ones.

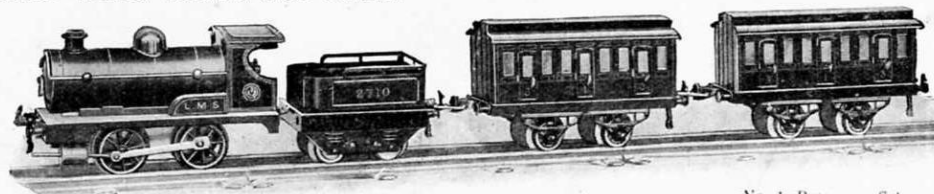
Each Train is a beautiful piece of workmanship with perfect mechanism, ensuring smooth running. A guarantee of efficiency is furnished with each Loco.

No. 1 Passenger Set

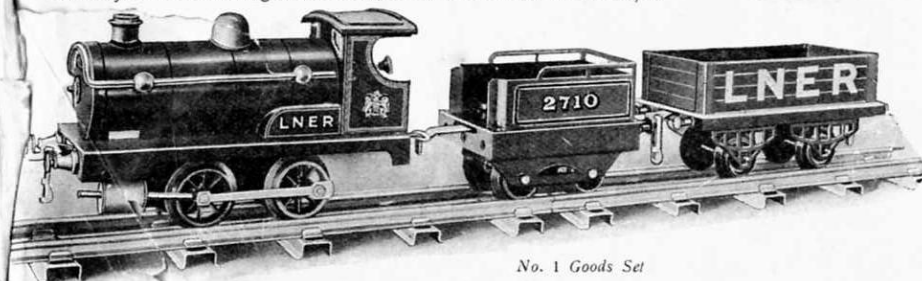
A HORNBY TRAIN LASTS FOR EVER!

Each Set contains Loco, Tender, and two Coaches, with Rails to form either a circle 2-ft. in diameter or an oval 2-ft. in width by 2-ft. 10-in. in length. One of the curved rails is a brake rail by means of which the train may be braked from the track. The Loco is fitted with reversing gear, brake and governor. In colours to represent the L.M.S. or L.N.E.R. Companies' rolling stock. The doors of the Coaches open. Gauge 0.

Hornby No. 1 Passenger Set complete, well boxed Price 27/6



No. 1 Passenger Set



No. 1 Goods Set

No. 1 Goods Set

This Set is similar in every way to No. 1 Passenger Set, except that it contains one Wagon in place of Coaches. Gauge 0.

Hornby No. 1 Goods Set complete, well boxed Price 21/-

Prices of Loco, etc., separately:—

No. 1 Hornby Loco Price 13/6

Tender " 2/6

Hornby Passenger

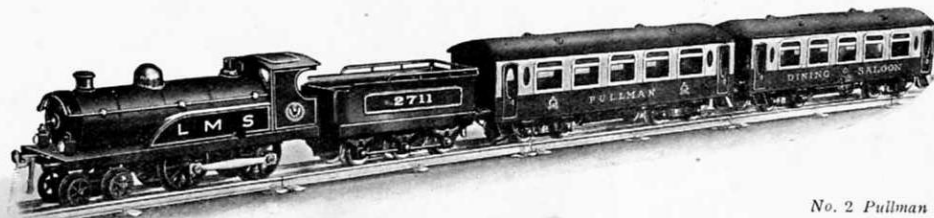
Coach Price 3/6

Hornby Wagon " 2/6

No. 2 Pullman Set

This Set includes Loco and Tender of a larger type, measuring 17-in. in length. A superior mechanism has been adopted, making this the most attractive and satisfactory clockwork train yet produced. The Coaches are beautiful both in colour and finish. Each Set includes Loco, Tender, and two Pullman Coaches, with Set of Rails making 4-ft. diameter circle. The rails include one brake rail by means of which the train may be both braked and reversed from the track. In colours to represent the L.M.S. or L.N.E.R. Companies' rolling stock. The Loco is fitted with reversing gear, brake and governor. Gauge 0.

Hornby No. 2 Pullman Set complete, well boxed Price 60/-



No. 2 Pullman Set

No. 2 Goods Set

This Set contains Loco, Tender, and Rails as in No. 2 Pullman Set, and two Wagons. Gauge 0.

Hornby No. 2 Goods Set complete, well boxed Price 37/6

Prices of locos, etc., separately:—

No. 2 Hornby Loco Price 22/6

" Tender " 3/6

Hornby Pullman Car Price 15/-

Hornby Wagon " 2/6

SEND FOR COMPLETE LIST OF HORNBY TRAINS, TRAIN ACCESSORIES AND RAILS, POINTS AND CROSSINGS.

MECCANO PRICE LIST

MECCANO OUTFITS

| | | | | | | | |
|--------|----------------|---------------------|----------|----|----|----|-------|
| No. 00 | Meccano Outfit | .. | .. | .. | .. | .. | 3/6 |
| " 0 | " | " | .. | .. | .. | .. | 5/- |
| " 1 | " | " | .. | .. | .. | .. | 8/6 |
| " 2 | " | " | .. | .. | .. | .. | 15/- |
| " 3 | " | " | .. | .. | .. | .. | 22/6 |
| " 4 | " | " | .. | .. | .. | .. | 40/- |
| " 5* | " | " | (Carton) | .. | .. | .. | 55/- |
| " 5* | " | Presentation Outfit | .. | .. | .. | .. | 85/- |
| " 6* | " | Outfit (Carton) | .. | .. | .. | .. | 105/- |
| " 6* | " | Presentation Outfit | .. | .. | .. | .. | 140/- |
| " 7 | " | " | " | .. | .. | .. | 370/- |

ACCESSORY OUTFITS

| | | | | | | |
|--|----------------|----|----------|----------------------------|----|-------|
| No. 00A | Meccano Outfit | .. | .. | .. | .. | 1/6 |
| " 0A | " | " | .. | .. | .. | 4/- |
| " 1A | " | " | .. | .. | .. | 7/6 |
| " 2A | " | " | .. | .. | .. | 8/6 |
| " 3A | " | " | .. | .. | .. | 18/6 |
| " 4A | " | " | .. | .. | .. | 15/- |
| " 5A* | " | " | (Carton) | .. | .. | 50/- |
| " 5A* | " | " | (Wood) | .. | .. | 80/- |
| " 6A | " | " | " | .. | .. | 210/- |
| Meccano Clockwork Motor | | .. | .. | .. | .. | 7/6 |
| No. 1 Meccano Electric Motor (4 Volts) | | .. | .. | .. | .. | 15/6 |
| " 2 | " | " | " | (100-120 or 200-250 Volts) | .. | 32/6 |
| Lamp Board (with lamp-holder and switch) | | .. | .. | .. | .. | 4/6 |
| Meccano Electrical Outfit X2 | | .. | .. | .. | .. | 42/- |
| Meccano Accumulator | | .. | .. | .. | .. | 2/6 |

* 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 is sold in nine different Outfits, numbered 00 to 7. 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 by degrees build up your Outfit to a No. 7

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was scanned