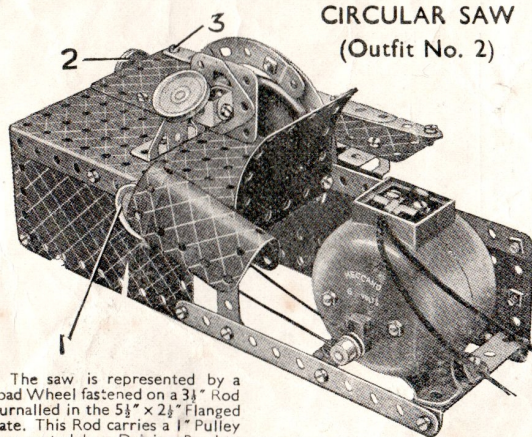


EXAMPLES OF MODELS FITTED WITH THE MECCANO ALL-ENCLOSED TYPE ELECTRIC MOTORS



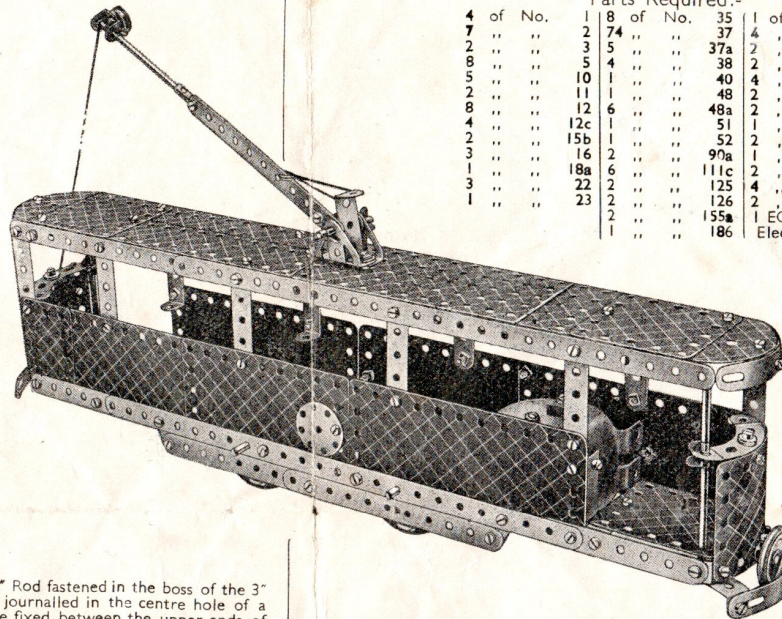
The saw is represented by a Road Wheel fastened on a 3 1/2" Rod journaled in the 5 1/2" x 2 1/2" Flanged Plate. This Rod carries a 1" Pulley connected by a Driving Band to the Motor pulley.

The 1" Pulley 2 is fixed to a 2 1/2" Strip bolted to the Flanged Plate and an Angle Bracket held by Bolt 3.

CIRCULAR SAW (Outfit No. 2)

Parts
Required :-

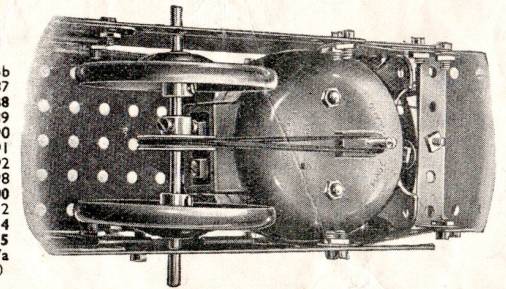
4 of No.	2
6 " "	5
6 " "	12
1 " "	16
3 " "	22
37 " "	37
1 " "	37a
2 " "	38
2 " "	48a
1 " "	52
2 " "	90a
3 " "	111c
1 " "	125
2 " "	126
2 " "	126a
1 " "	187
1 " "	188b
2 " "	189
2 " "	90
1 " "	191
2 " "	199
1 " "	200
1 " "	EO6 or EO20 Electric Motor



TRAMCAR (Outfit No. 4)

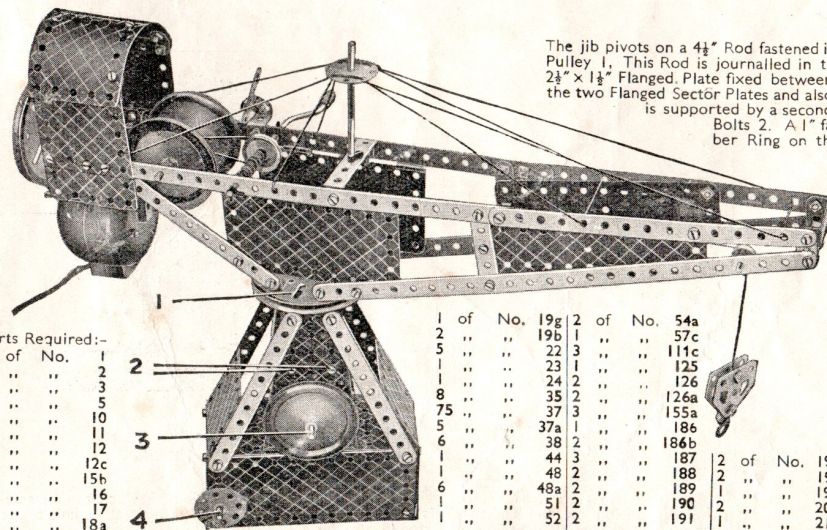
Parts Required:-

4 of No.	2 of No.	35	1 of No.	186b
7 " "	2 " "	37	4 " "	187
2 " "	3 " "	37a	2 " "	188
8 " "	5 " "	38	2 " "	189
5 " "	10 " "	40	4 " "	190
2 " "	11 " "	48	2 " "	191
8 " "	12 " "	48a	2 " "	192
4 " "	12c " "	51	1 " "	198
2 " "	15b " "	52	2 " "	200
3 " "	16 " "	90a	1 " "	212
1 " "	18a " "	111c	2 " "	214
3 " "	22 " "	125	4 " "	215
1 " "	23 " "	126	2 " "	217a
		155a	1 " "	EO6 or EO20 Electric Motor
		186		



The trolley of the tramcar is a 5 1/2" trip extended by a 3 1/2" Rod, and it is mounted at its lower end on a 1 1/2" Rod. The Trunnions carrying the 1 1/2" Rod are fixed to the roof of the car by a lock-nutted 1/2" Bolt that has a Washer on its shank to space them from the Flanged Plate. The Motor is fixed in position to the side of the tramcar by an Angle Bracket, and the drive is taken direct from the Motor shaft to a 1" Pulley on the front axle by a Driving Band.

RADIAL CRANE (Outfit No. 4)



The jib pivots on a 4 1/2" Rod fastened in the boss of the 3" Pulley 1. This Rod is journaled in the centre hole of a 2 1/2" x 1 1/2" Flanged Plate fixed between the upper ends of the two Flanged Sector Plates and also in a Trunnion that is supported by a second Trunnion held by Bolts 2. A 1" fast Pulley with Rubber Ring on the 4 1/2" Rod rests on the rim of the small pulley (supplied with the Motor) on Rod 3. Rod 3 also carries a 1" Pulley connected by a 6" Driving Band to Rod 4. The Band is retained on the Rod, by a Washer and a Spring Clip. The hoisting mechanism used in this model is similar to that of the Dragline overleaf.

Parts Required:-

4 of No.	2
4 " "	1
2 " "	3
2 " "	5
2 " "	10
2 " "	11
2 " "	12
2 " "	12c
3 " "	15b
2 " "	16
2 " "	17
1 " "	18a

1 of No.	19g	2 of No.	54a
2 " "	19b	1 " "	57c
5 " "	22	3 " "	111c
1 " "	23	1 " "	125
8 " "	24	2 " "	126
75 " "	35	2 " "	126a
5 " "	37	3 " "	155a
6 " "	37a	1 " "	186
1 " "	38	2 " "	186b
1 " "	44	3 " "	187
1 " "	48	2 " "	188
1 " "	48a	2 " "	189
1 " "	51	2 " "	190
1 " "	52	2 " "	191

2 of No.	191	1 of No.	214
2 " "	192	2 " "	217a
2 " "	198	2 " "	217b
2 " "	200	1 " "	EO6 or EO20 Electric Motor
1 " "	213		

VERTICAL STEAM ENGINE (Outfit No. 6)

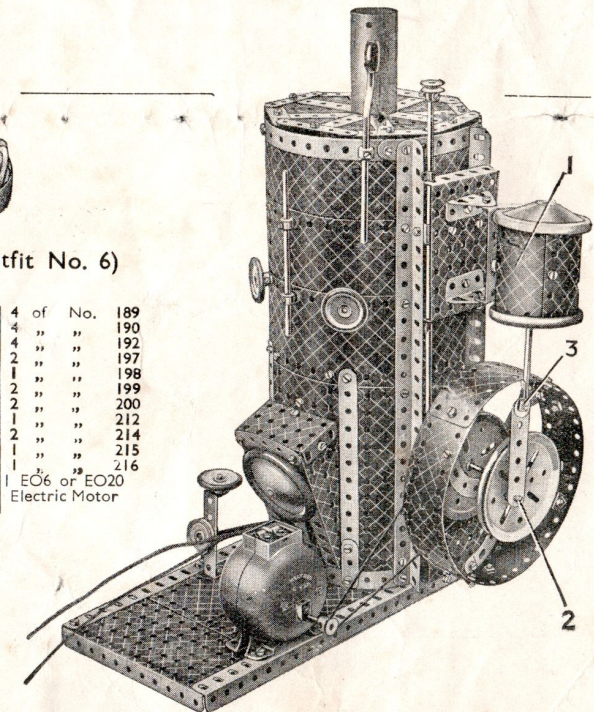
Parts Required:-

12 of No.	1 of No.	19g	2 of No.	54a	4 of No.	189
14 " "	2 " "	19b	4 " "	59	4 " "	190
2 " "	3 " "	22	2 " "	90	4 " "	192
2 " "	4 " "	23a	4 " "	90a	2 " "	197
11 " "	5 " "	24	2 " "	111a	1 " "	198
2 " "	6a " "	35	6 " "	111c	2 " "	199
4 " "	8 " "	37	2 " "	126	2 " "	200
4 " "	10 " "	37a	2 " "	126a	1 " "	212
8 " "	12 " "	38	1 " "	147b	2 " "	214
1 " "	13 " "	48a	3 " "	155a	1 " "	215
1 " "	14 " "	48b	1 " "	176	1 " "	216
1 " "	15a " "	51	1 " "	186b	1 " "	EO6 or EO20 Electric Motor
2 " "	16 " "	52	3 " "	187		
1 " "	18b " "	53	4 " "	188		

The oscillating cylinder 1 is fastened to the 2 1/2" x 1/2" Double Angle Strip by a lock-nutted Pivot Bolt, on which a 1" fast Pulley is used as a distance piece.

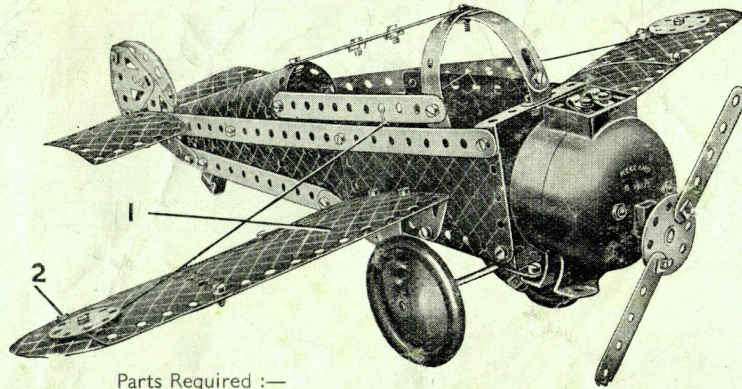
The 1/2" Bolt 2 is lock-nutted, and it carries a Spring Clip that spaces the 3" Strip from the 3" Pulley.

The Bolt 3 is tightened so that the 4" Rod and 3" Strip are in line with each other.



EXAMPLES OF MODELS FITTED WITH THE MECCANO ALL-ENCLOSED TYPE ELECTRIC MOTORS

CABIN MONOPLANE (Outfit No. 3)

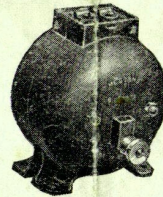


Parts Required:—

2 of No.	1	2 of No.	38	2 of No.	190
6 " "	2	1 " "	44	2 " "	191
9 " "	5	2 " "	48a	2 " "	192
4 " "	10	4 " "	90a	2 " "	199
3 " "	12	6 " "	111c	2 " "	200
1 " "	15b	2 " "	126	3 " "	214
2 " "	22	2 " "	126a	3 " "	215
1 " "	24	2 " "	187	2 " "	217a
1 " "	37	2 " "	188	1 " "	EO6 or EO20
6 " "	37a	2 " "	189	1 " "	Electric Motor

The trailing edge of each wing is formed by a $2\frac{1}{2} \times 1\frac{1}{2}$ " Flexible Plate, which is fastened at the rear of the Flexible Plate 1, and a $5\frac{1}{2}$ " Strip. The Strip is secured at one end to the $2\frac{1}{2} \times 1\frac{1}{2}$ " Flexible Plate, and its other end is held by Bolt 2. The Motor is mounted on two Flat Brackets that are bolted to a $2\frac{1}{2} \times 1\frac{1}{2}$ " Double Angle Strip fastened between the sides of the fuselage.

NEW MECCANO ELECTRIC MOTORS Nos EO6 and EO20



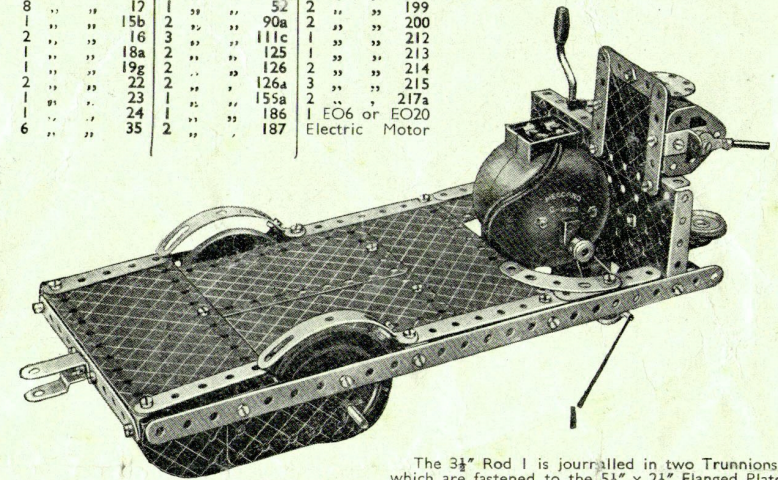
The new Nos. EO6 and EO20 Meccano Electric Motors are realistic models of the all-enclosed type of motor used in actual engineering. The No. EO6 (6-volt) Motor can be run from A.C. mains through a Meccano T6, T6A or T6M Transformer, or from a 6-volt accumulator. The No. EO20 (20-volt) Motor is operated from A.C. mains through a Meccano T20, T20A or T20M Transformer. The Motors are non-reversing.

Each Motor will drive all the working models built with Outfits Nos. 1-5, and also some of the lighter models built with Outfits Nos. 6-8.

Parts Required:—

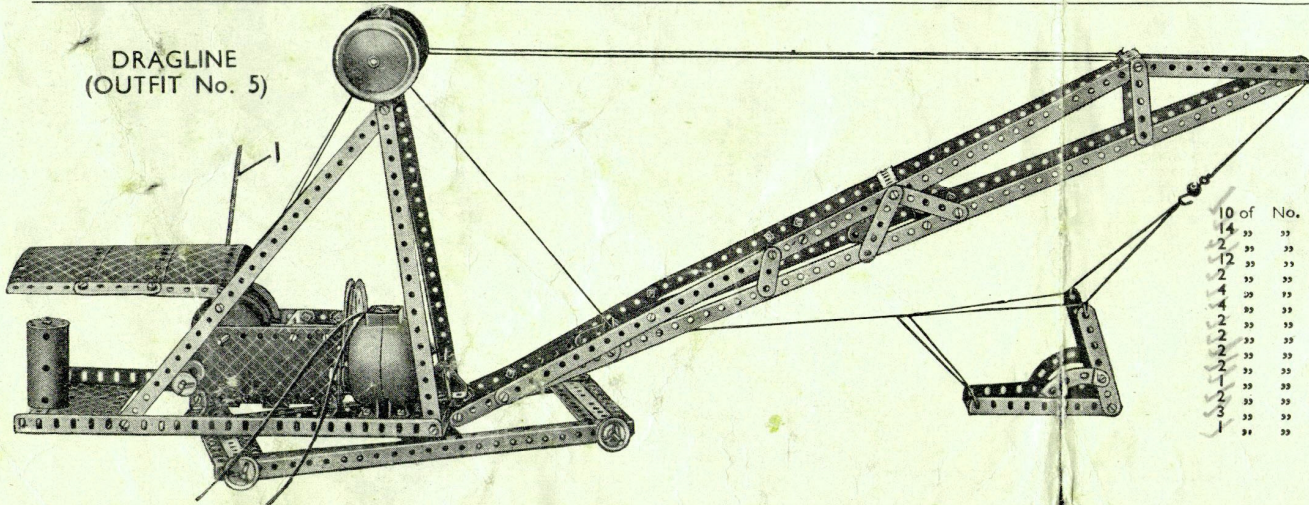
2 of No.	1	45 of No.	37	2 of No.	188
5 " "	2	3 " "	37a	2 " "	189
7 " "	5	6 " "	38	2 " "	190
2 " "	10	1 " "	44	2 " "	191
2 " "	11	2 " "	48a	2 " "	192
8 " "	17	1 " "	52	2 " "	199
1 " "	15b	2 " "	90a	2 " "	200
2 " "	16	3 " "	111c	1 " "	212
1 " "	18a	2 " "	125	1 " "	213
1 " "	19c	2 " "	126	2 " "	214
2 " "	22	2 " "	126a	3 " "	215
1 " "	23	1 " "	155a	2 " "	217a
1 " "	24	1 " "	186	1 " "	EO6 or EO20
6 " "	35	2 " "	187	1 " "	Electric Motor

ELECTRIC TRUCK (OUTFIT No. 3)



The $3\frac{1}{2}$ " Rod 1 is journaled in two Trunnions, which are fastened to the $5\frac{1}{2} \times 2\frac{1}{2}$ " Flanged Plate so that they are $1\frac{1}{2}$ " apart. A Bush Wheel is fastened on Rod 1 between the Trunnions to form the driving wheel.

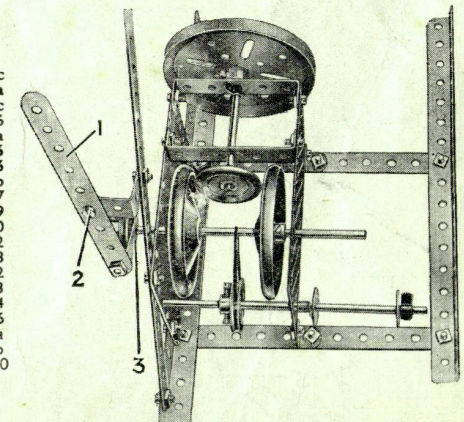
DRAGLINE (OUTFIT No. 5)



10 of No.	1
14 " "	2
2 " "	3
2 " "	5
2 " "	6a
2 " "	8
4 " "	11
2 " "	12
2 " "	12a
2 " "	12c
2 " "	15
2 " "	15a
2 " "	15b
3 " "	16
1 " "	18a

Parts Required:—

1 of No.	18b	2 of No.	80c
1 " "	19g	2 " "	90a
2 " "	19b	2 " "	111c
5 " "	22	1 " "	126
2 " "	22a	1 " "	155a
1 " "	23	1 " "	176
1 " "	24	1 " "	186
14 " "	35	1 " "	186b
78 " "	37	1 " "	187
13 " "	37a	2 " "	189
1 " "	38	3 " "	190
1 " "	40	3 " "	192
1 " "	44	1 " "	198
1 " "	45	1 " "	212
1 " "	48	1 " "	213
1 " "	48a	2 " "	214
1 " "	51	1 " "	216
1 " "	52	1 " "	217a
2 " "	54a	2 " "	217b
1 " "	57c	1 " "	EO6 or EO20
			Electric Motor



The $5\frac{1}{2}$ " Strip 1 controls the reversing mechanism, the construction of which can be seen in the illustration on the right. This Strip pivots on a lock-nutted Bolt at 2, and to its lower end a Cranked Bent Strip 3 is fastened also by a lock-nutted Bolt, as shown.