MECCANO

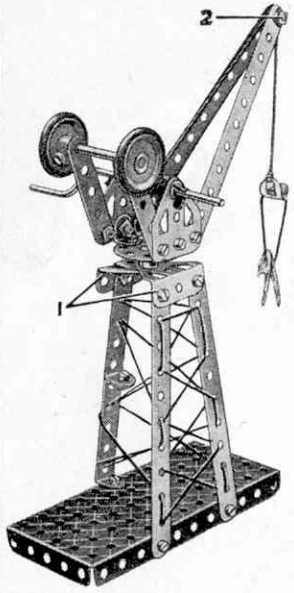
MORE NEW MODELS

MECCANO is the greatest hobby in the world because it provides never-ending interest, fun and excitement. There is nothing to be compared with the joy and satisfaction of creating something new, and inventing new models in Meccano is a pastime that grows continually in fascination.

This folder illustrates eight splendid new models that can be built with Meccano Outfits Nos. 0, 1, 2 and 3. The building of these models will give you lots of fun, and as you build you will get ideas for models of your own invention. The possibilities of Meccano are endless !

These Models can be built with MECCANO No. 0 Outfit

DOCK-SIDE CRANE



Parts required

4 of No.	2	15 of No.	37b
2 „ „	5	2 „ „	38
3 „ „	12	2 „ „	48a
1 „ „	17	1 „ „	52
1 „ „	19s	2 „ „	90a
2 „ „	22	2 „ „	111c
1 „ „	24	2 „ „	126
2 „ „	35	2 „ „	126a
17 „ „	37a	2 „ „	155a

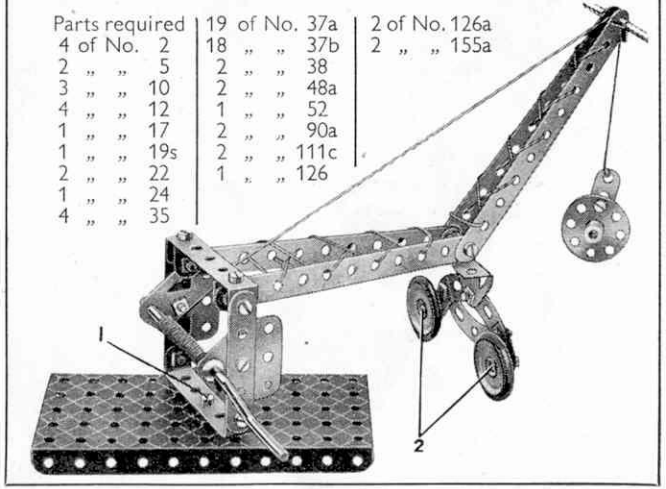
Two Trunnions 1 form the top of the tower, and a ⅜" Bolt passed through the holes in their pointed ends and into the boss of a Bush Wheel, forms the pivot for the jib. The Flat Trunnions are connected to the Bush Wheel by Angle Brackets. The ⅜" Bolt 2 that connects the 5½" strips of the jib is fitted with lock-nuts.

RADIAL CRANE

The wheeled bogie that carries the boom and jib is formed from two Curved Strips and two Flat Brackets. The ⅜" Bolts 2 pass through the Flat Brackets and are gripped in the bosses of the 1" Pulleys. Bearings for the Crank Handle are provided by Flat Trunnions. The Bolt 1 is lock-nutted.

Parts required

4 of No.	2	19 of No.	37a	2 of No.	126a
2 „ „	5	18 „ „	37b	2 „ „	155a
3 „ „	10	2 „ „	38		
4 „ „	12	2 „ „	48a		
1 „ „	17	1 „ „	52		
1 „ „	19s	2 „ „	90a		
2 „ „	22	2 „ „	111c		
1 „ „	24	1 „ „	126		
4 „ „	35				



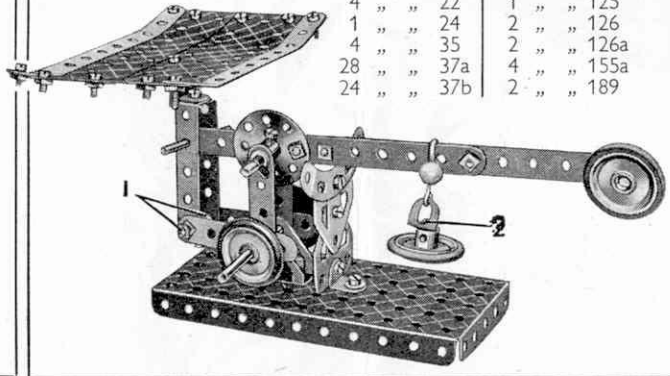
These Models can be built with MECCANO No. 1 Outfit

LETTER BALANCE

The Bolts 1 are lock-nutted. The ⅜" Bolt 2 is passed through the hole of the Angle Bracket and then locked in the boss of the 1" Pulley.

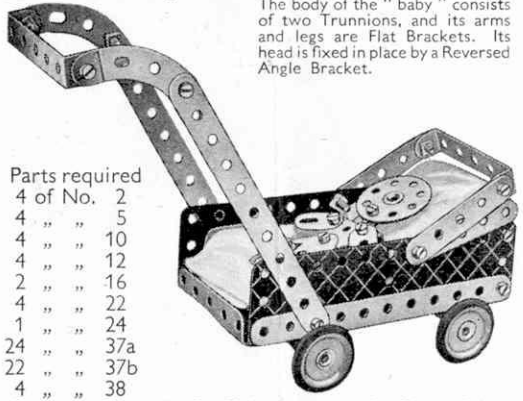
Parts required

4 of No.	2	4 of No.	38
4 „ „	5	2 „ „	48a
4 „ „	10	1 „ „	52
2 „ „	12	1 „ „	57c
1 „ „	16	1 „ „	90a
2 „ „	17	4 „ „	111c
4 „ „	22	1 „ „	125
1 „ „	24	2 „ „	126
4 „ „	35	2 „ „	126a
28 „ „	37a	4 „ „	155a
24 „ „	37b	2 „ „	189



CHILD'S PRAM

Flat Trunnions bolted between the Flexible Plates and the Flanged Plate provide bearings for the rear axle. Angle Brackets bolted under the Flanged Plate form the bearings for the front axle. The body of the "baby" consists of two Trunnions, and its arms and legs are Flat Brackets. Its head is fixed in place by a Reversed Angle Bracket.

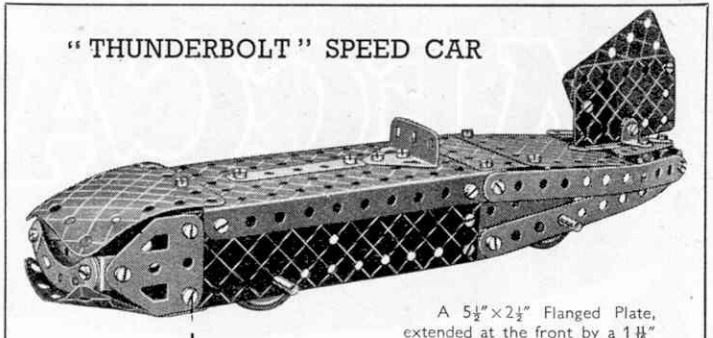


Parts required

4 of No.	2	2 of No.	111c	2 of No.	126a
4 „ „	5	1 „ „	125	4 „ „	155a
4 „ „	10	2 „ „	126	2 „ „	189
4 „ „	12				
2 „ „	16				
4 „ „	22				
1 „ „	24				
24 „ „	37a				
22 „ „	37b				
4 „ „	38				
2 „ „	48a				
1 „ „	52				
2 „ „	90a				

These Models can be built with MECCANO No. 2 Outfit

"THUNDERBOLT" SPEED CAR



Parts required

4 of No.	2	1 of No.	52
6 „ „	5	2 „ „	90a
2 „ „	10	1 „ „	126
4 „ „	12	2 „ „	126a
2 „ „	16	4 „ „	155a
4 „ „	22	2 „ „	188
39 „ „	37a	2 „ „	189
39 „ „	37b	2 „ „	190
4 „ „	38	2 „ „	200
2 „ „	48a		

A 5½"×2½" Flanged Plate, extended at the front by a 1 11/16" radius Curved Plate and at the rear by two 2½"×2½" Flexible Plates, forms the top of the car. The rear part of each side is formed by two 5½" Strips and a 2½" Strip, the former being connected together at the tail by Angle Brackets. Bolts 1 hold a 2½"×½" Double Angle Strip that carries the 1 11/16" radius Curved Plate forming the underside of the front cowling.

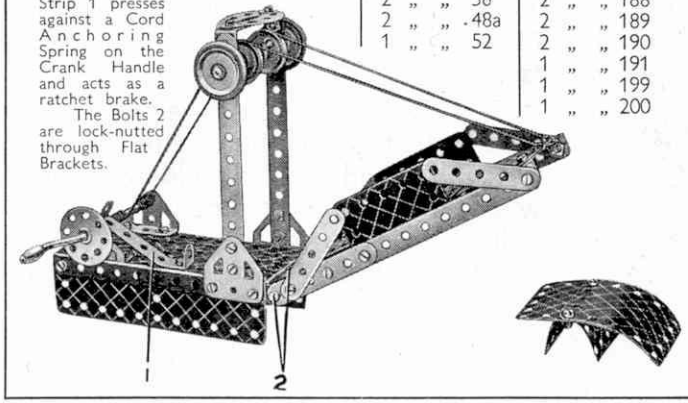
CANAL BRIDGE

A 4½"×2½" Flexible Plate and a 2½"×2½" Flexible Plate overlapped one hole form the roadway of the span. The 2½"×½" Double Angle Strip 1 presses against a Cord Anchoring Spring on the Crank Handle and acts as a ratchet brake.

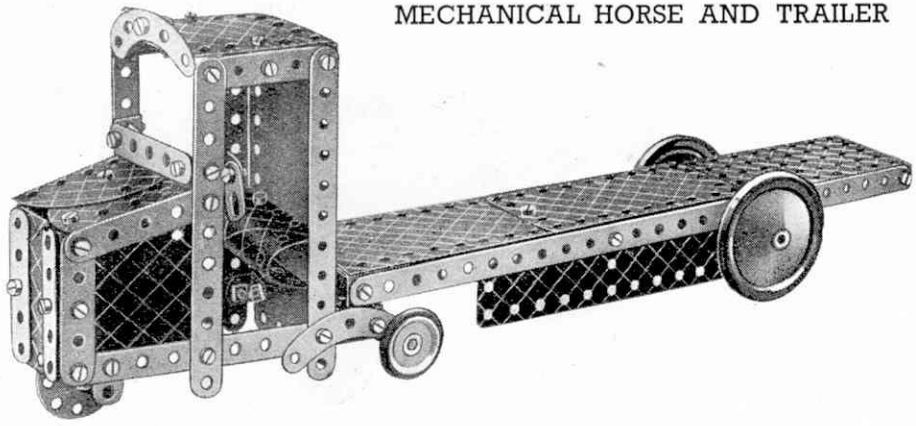
The Bolts 2 are lock-nutted through Flat Brackets.

Parts required

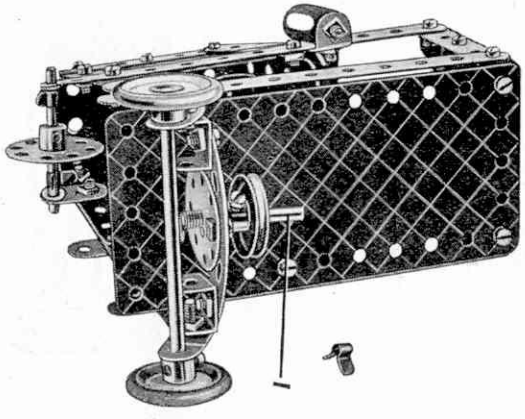
4 of No.	2	1 of No.	19g	2 of No.	90a
6 „ „	5	4 „ „	22	2 „ „	126
4 „ „	10	1 „ „	24	2 „ „	126a
6 „ „	12	41 „ „	37a	2 „ „	155a
1 „ „	16	39 „ „	37b	1 „ „	176
		2 „ „	38	2 „ „	188
		2 „ „	48a	2 „ „	189
		1 „ „	52	2 „ „	190
				1 „ „	191
				1 „ „	199
				1 „ „	200



MECHANICAL HORSE AND TRAILER



The chassis of the mechanical horse is built up on two 5½" Strips, extended at the rear by 2½" Curved Strips that provide bearings for the rear axle. The method of building up the bonnet and cab is clear from the illustration. The rear ends of the 5½" Strips are joined by a Curved Strip and two Double Brackets. At the centre of the Curved Strip is bolted a 1¼" Disc, through which passes a 1½" Rod 1. This Rod engages in the centre hole of the Plate at the front of the trailer, and is retained in place by a Spring Clip and a Cord Anchoring Spring. A 1" Pulley and two Washers space the end of the trailer from the 1¼" Disc. Bearings for the rear axle are provided by Flat Trunnions.



Parts required

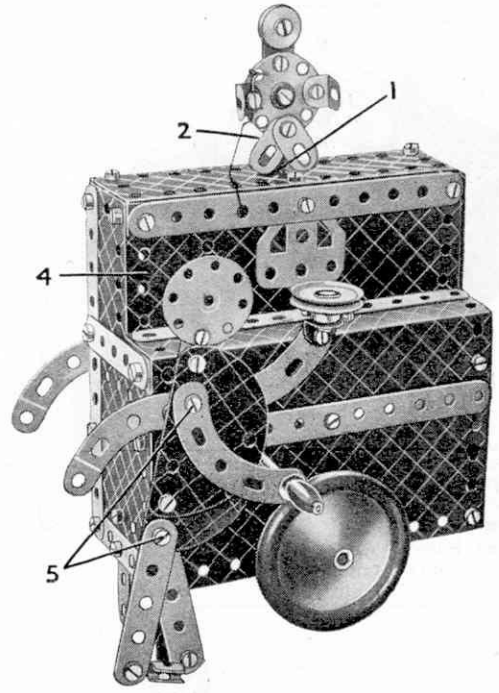
2	of No.	1	4	of No.	90a
6	„ „	2	6	„ „	111c
9	„ „	5	2	„ „	125
4	„ „	10	2	„ „	126
2	„ „	11	2	„ „	126a
8	„ „	12	2	„ „	155a
2	„ „	16	1	„ „	176
1	„ „	17	2	„ „	187
1	„ „	18a	1	„ „	188
3	„ „	22	2	„ „	189
1	„ „	24	2	„ „	190
4	„ „	35	2	„ „	191
56	„ „	37a	1	„ „	192
50	„ „	37b	1	„ „	199
2	„ „	38	1	„ „	200
2	„ „	48a	2	„ „	214
1	„ „	52	1	„ „	217a

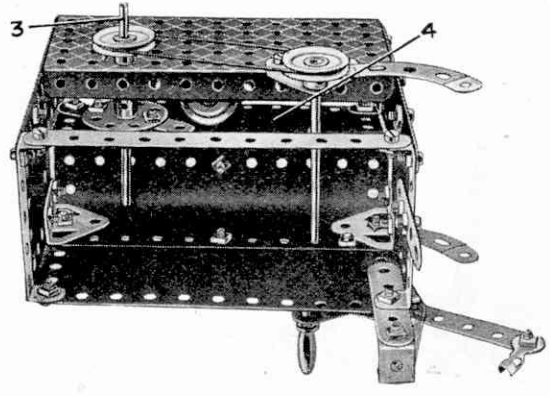
ORGAN AND MONKEY

The 3½" Rod 1 slides in the central hole of a 5½" × 1½" Flexible Plate that forms the top of the organ, and also in the hole of the ½" Reversed Angle Bracket 2, which is bolted to the Flexible Plate. The monkey is held on the Rod by a Double Bracket bolted to the 1¼" Disc. The Double Bracket is prevented from sliding on the Rod by a Cord Anchoring Spring placed on the Rod between its arms.

The 3½" Rod 3 turns in the Flanged Plate, and also in the third hole from the end in the bottom row of the 5½" × 2½" Flexible Plate 4. This Rod carries a Bush Wheel with a 2½" Strip bolted across its face. When the Crank Handle is turned, the end of the 2½" Strip first lifts and then allows to fall the 1" Pulley fastened on Rod 1, thus causing the monkey to jump up and down.

The left foot of the organ grinder is attached to one leg of the organ by a Double Bracket. His body consists of two Semi-Circular Plates and it is pivotally attached to his legs by a lock-nutted Bolt 5. A second lock-nutted Bolt 5 carries his arm, the other end of which is fitted on the Crank Handle.



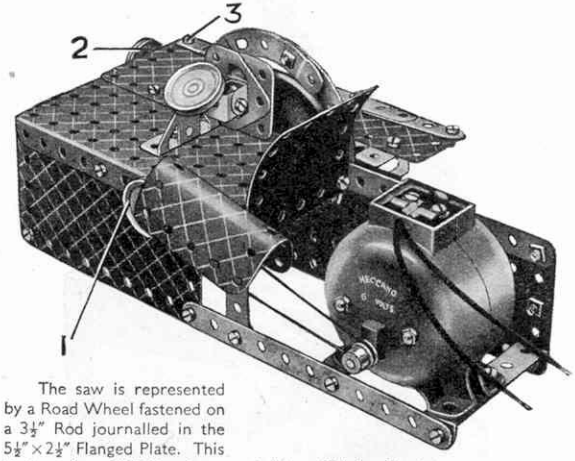


Parts required

6	of No.	2	4	of No.	90a
7	„ „	5	4	„ „	111c
4	„ „	10	1	„ „	125
2	„ „	11	2	„ „	126
6	„ „	12	2	„ „	126a
3	„ „	16	1	„ „	176
1	„ „	19g	2	„ „	187
4	„ „	22	2	„ „	188
1	„ „	23	1	„ „	189
1	„ „	24	2	„ „	190
2	„ „	35	2	„ „	191
55	„ „	37a	2	„ „	192
50	„ „	37b	1	„ „	212
4	„ „	38	2	„ „	214
2	„ „	48a	2	„ „	217a
1	„ „	52			

Examples of Models fitted with the MECCANO Nos. EO6 and EO20 Electric Motors

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	,, ,,	186b
1	,, ,,	187
2	,, ,,	188
2	,, ,,	189
2	,, ,,	190
1	,, ,,	191
1	,, ,,	199
2	,, ,,	200
1 EO6 or EO20 Electric Motor		

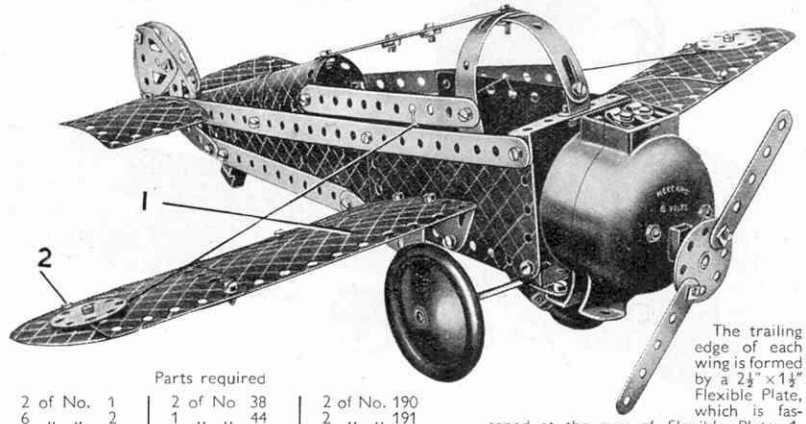
The saw is represented by a Road Wheel fastened on a 3½" Rod journalled in the 5½"×2½" Flanged Plate. This Rod carries a 1" Pulley 1 connected by a Driving Band to the Motor pulley.

The 1" Pulley 2 is fixed to a 2½" Strip bolted to the Flanged Plate and an Angle Bracket held by Bolt 3.

MECCANO ELECTRIC MOTORS Nos. EO6 and EO20

The 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.

CABIN MONOPLANE (Outfit No. 3)

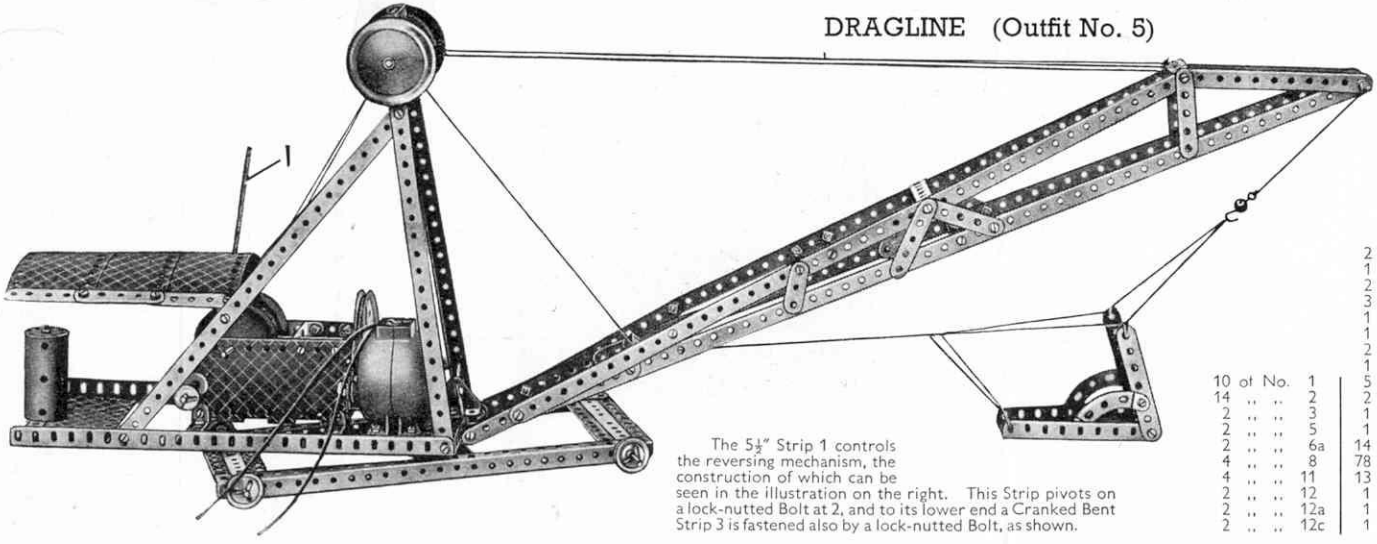


Parts required

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

The trailing edge of each wing is formed by a 2½"×1½" Flexible Plate, which is fastened at the rear of Flexible Plate 1, and a 5½" Strip. The Strip is secured at one end to the 2½"×1½" Flexible Plate, and its other end is held by Bolt 2. The Motor is mounted on two Flat Brackets that are bolted to a 2½"×½" Double Angle Strip fastened between the sides of the fuselage.

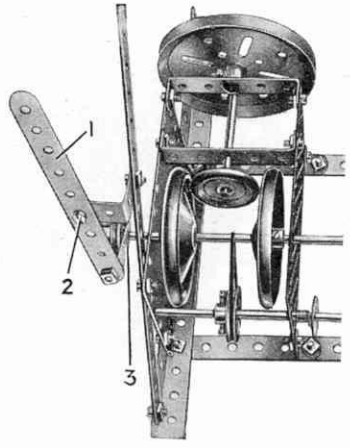
DRAGLINE (Outfit No. 5)



The 5½" 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.

Parts required

10	of No.	1
14	,, ,,	2
2	,, ,,	3
2	,, ,,	5
2	,, ,,	6a
4	,, ,,	8
4	,, ,,	11
2	,, ,,	12
2	,, ,,	12a
2	,, ,,	12c
2	of No.	15
1	,, ,,	15a
2	,, ,,	15b
3	,, ,,	16
1	,, ,,	18a
1	,, ,,	18b
2	,, ,,	19b
1	,, ,,	19g
5	,, ,,	22
2	,, ,,	22a
1	,, ,,	23
1	,, ,,	24
14	,, ,,	35
78	,, ,,	37
13	,, ,,	37a
1	,, ,,	38
1	,, ,,	40
1	,, ,,	44
1	of No.	45
1	,, ,,	48
7	,, ,,	48a
1	,, ,,	51
1	,, ,,	52
2	,, ,,	54a
1	,, ,,	57c
2	,, ,,	80c
2	,, ,,	90a
2	,, ,,	111c
1	,, ,,	126
1	,, ,,	155a
1	,, ,,	176
1	,, ,,	186
1	,, ,,	186b
4	,, ,,	187
2	,, ,,	189
3	,, ,,	190
3	,, ,,	192
1	,, ,,	198
1	,, ,,	212
1	,, ,,	213
2	,, ,,	214
1	,, ,,	216
1	,, ,,	217a
2	,, ,,	217b
1 EO6 or EO20 Electric Motor		



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