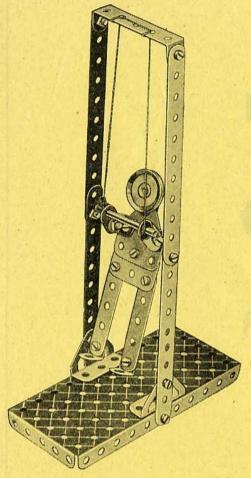
SELECTED MODELS FROM

MECCANO

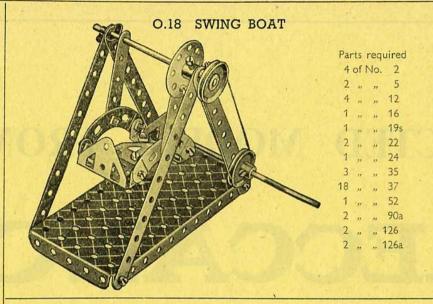
OUTFITS Nos. O, 1, 2 & 3

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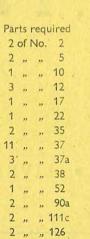
O.19 TRAPEZE ARTIST

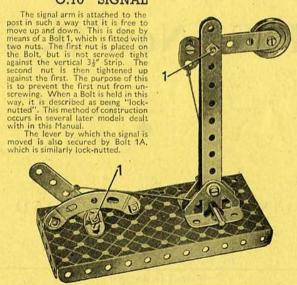


		18 of No. 37
		1 ,, ,, 48
Parts required	4 of No. 12	1 ,, ,, 52
4 of No. 2		1 ,, ,, 111
	1 ,, ,, 22	
3 10	2 35	

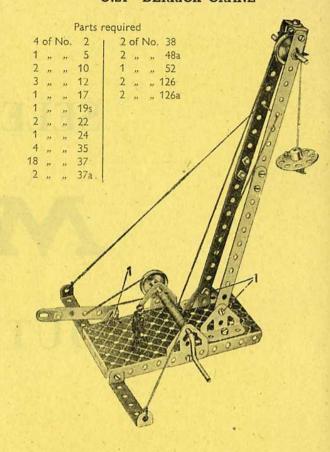


O.10 SIGNAL



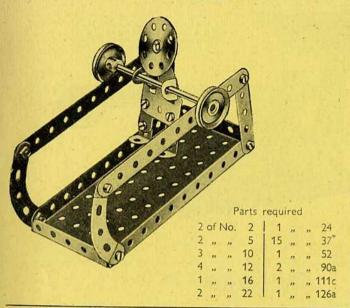


O.21 DERRICK CRANE

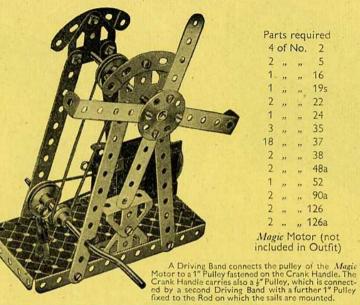


The construction of the model is commenced by bolting the Trunnions and Flat Trunnions that support the jib and Crank Handle respectively to the $5\frac{1}{2}''\times 2\frac{1}{2}'''$ Flanged Plate that forms the base of the model. The jib is then assembled and fastened to the Trunnions by means of the lock-nutted Bolts 1. The brake lever is a $2\frac{1}{2}'''$ Strip extended by a Fishplate and is fastened to a second Fishplate bolted to the Flanged Plate, by means of a Bolt 1a, the nut of which is left sufficiently loose to allow the Strip to move. A length of Cord is fastened to the lever and then passed round the 1" Pulley on the Crank Handle.

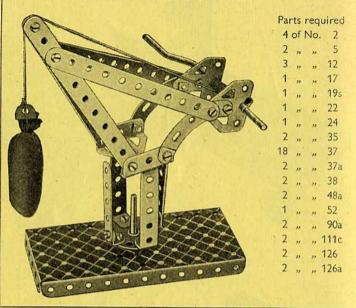
O.13 ACROBAT



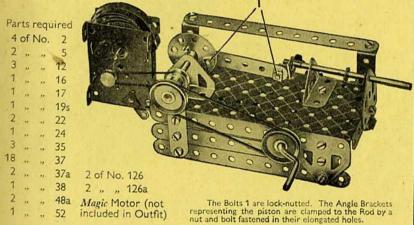
O.25 WINDMILL



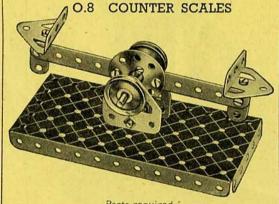
O.4 DOCKSIDE CRANE

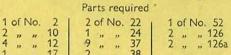


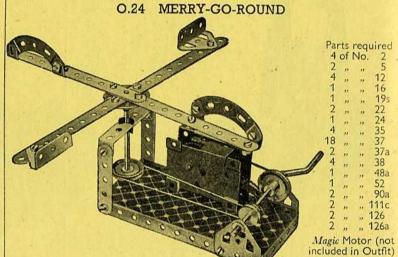
O.22 STATIONARY STEAM ENGINE

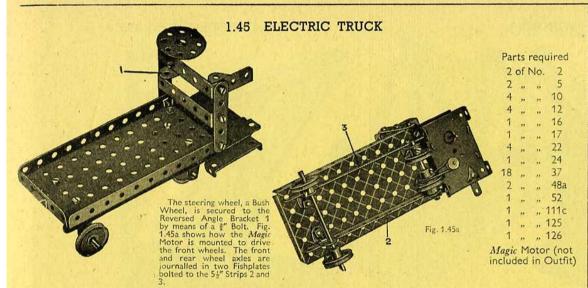


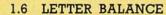
52 included in Outfit)

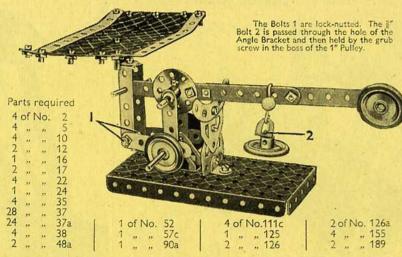




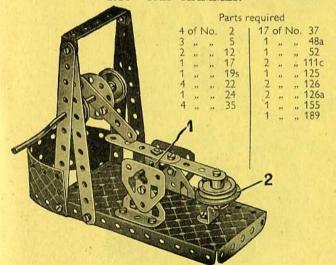






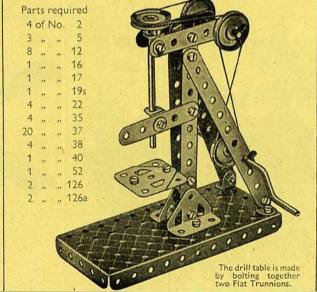


1.18 TRIP HAMMER

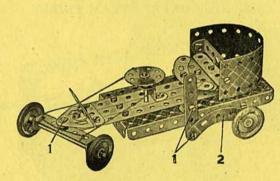


Two Angle Brackets 1 are bolted together through their holes and also are bolted to two 24" Strips to form a "U" shaped bracket. The 1" fast Pulley 2 is fitted with a 1" Rubber Ring.

1.17 DRILL



1.20 COASTER



The Bolts 1 are lock-nutted. The rear axle Rod is pushed through the end holes of the Curved Strips 2 on each side of the model.

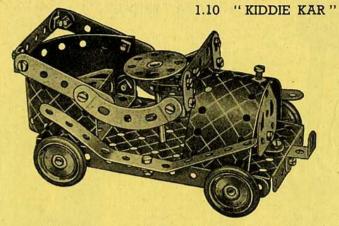
Parts required 3 of No. 2

5 ... 12 2 ... 16 1 ... 17 4 ... 22 1 ... 24 1 ... 35 0 ... 37 4 ... 37a 4 ... 37a 4 ... 37a 4 ... 37a 1 ... 40 2 ... 48a 1 ... 52 2 ... 90a 1 ... 125 2 ... 116a 4 ... 125 2 ... 126a 4 ... 159

1.31 FLOATING CRANE

Parts required 4 of No. 2 2 of No. 90a

The Cord 1 passes over the Rod at the jib head and is fastened to the Crank Handle 2. The other Cord 3 passes over a Rod mounted about halfway along the jib, and is secured to Rod 4, which has a 1" Pulley at the other end to form a handle. The Cord tied to the 1" Bolt in the Trunnions is taken around the 34" Rod journalled above the Crank Handle, and is used for luffing the jib by turning the 1" Pulley at the rear end of the Rod. Two Angle Brackets and a Fishplate form the hook on Cord 3.



Two Trunnions overlapped one hole, and fastened to the Flanged Plate by an Angle Bracket, form the seat.

Parts required								
4 of No.	2	3 of No. 37a						
4 " "	5	2 " " 48a						
3 " "	10	1 " " 52						
. 7 ,, ,,	12	2 " " 90a						
2 " "	16	2 " "111c						
1 , ,	17	1 " " 125						
4 " "	22	2 " " 126						
1 ,, ,,	24	1 " " 126a						
1 ,, ,,	35	4 " " 155						

1 of No. 125

2 126 2 ... , 126a

4 ... 155 2 189

24 37

1 1 of No. 40

1.34 MECHANICAL SHOVEL

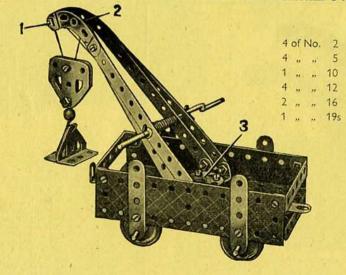
Parts required

4 of No. 2	4 of No. 38
4 " " 5	1 ,, ,, 40
1 ,, ,, 10	2 " " 48a
2 ,, ,, 12	1 ,, ,, 52
1 ,, ,, 16	1 " " 57c
2 " " 12 1 " " 16 2 " " 17 1 " " 19s 3 " 22	2 ,, ,, 90a 4 ,, ,, 111c
3 198	1 ,, ,, 1110
1 ,, ,, 24	1 " " 52 1 " " 57c 2 " " 90a 4 " " 111c 1 " " 125 2 " " 126 2 " " 126a 1 " " 155
4 ,, ,, 35	2 " " 126a
24 ,, ,, 37	
4 " '" 37a	2 " " 189

The Bolts 1, on which the jib pivots, are The Bolts 1, on which the jib pivots, are lock-nutted. The shovel arm is pivoted on a 2" Rod and the shovel is supported by a Cord that passes over the \(\frac{8}{3}\) Bolt at the jib head and is fastened to a 2\(\frac{9}{3}\) \(\frac{8}{3}\) Double Angle Strip as shown. The Cord 2 is fastened to the jib and then passes over a 3\(\frac{9}{3}\) Rod journalled in the holes above the 2\(\frac{9}{3}\) Curved Strips, and is attached to a Fishplate fastened by the lock-nutted Bolt 3 to the Bush Wheel

When the Crank Handle is rotated, the Bush Wheel imparts a digging motion to the jib and shovel arm.

1.37 RAILWAY BREAKDOWN CRANE



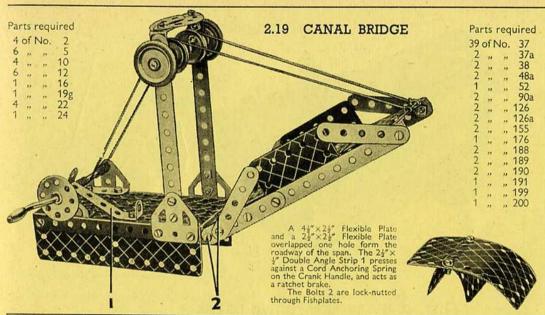
The hoisting cord is secured to the Crank Handle, and then led over the "Bolt 1. It is then passed through the pulley block and fastened to the jib at 2. The jib is attached to the Bush Wheel 3 by means of Angle Brackets and the complete unit is pivoted as follows. A #" Bolt is passed through the 5½" × 2½" Flanged Plate, and is secured in the boss of the Bush Wheel by its set screw.

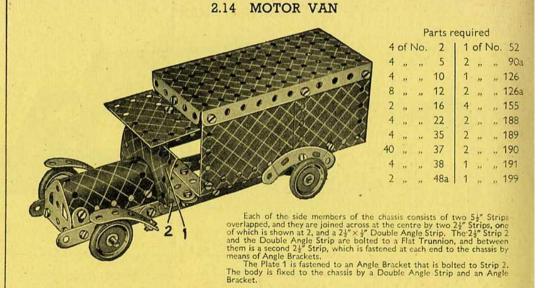
Parts required

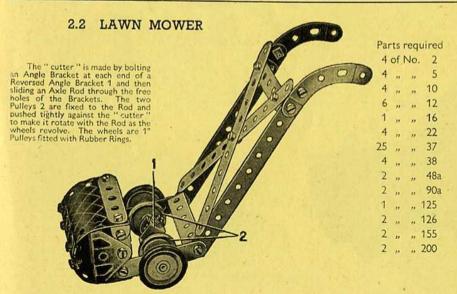
4 of No. 22

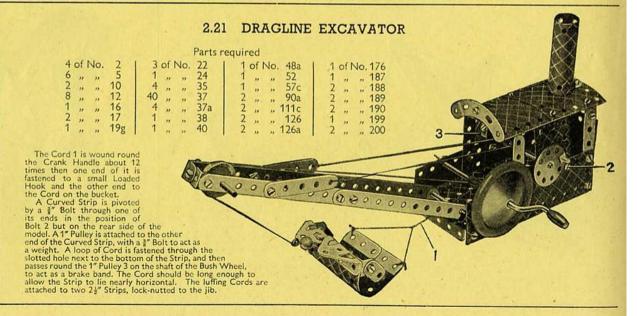
1 ,, ,, 24

20 ,, ,, 37

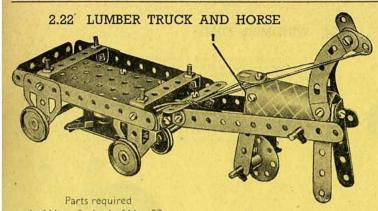








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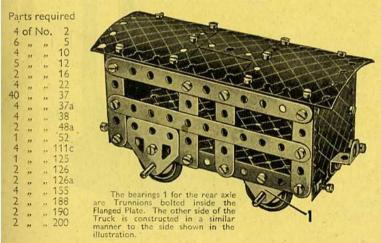


4 of No. 2 | 4 of No. 37a 5 , , , 5 | 2 , , , 48a 3 , , 10 | 1 , , 52 6 , , 12 | 2 , , , 90a 2 , , 16 | 4 , , , 111c 2 , , 17 | 2 , , , 126a 4 , , 22 | 2 , , , 126a 1 , , 24 | 4 , , , 155 4 , , 35 | 1 , , , 199 23 , , 37 | Magic Motor (not included in Outfit)

A Magic Motor is mounted beneath the cart and the Driving Band is taken from the pulley on the Motor to a ½" fixed Pulley (supplied with the Motor) fastened on the 3½" Rod that forms the front axle.

The forelegs of the horse are held together by means of two Angle Brackets bolted in the positions shown. This construction is duplicated at 1 for the hind legs. The forelegs of the horse are held clear of the ground by means of the reins.

2.12 CATTLE TRUCK

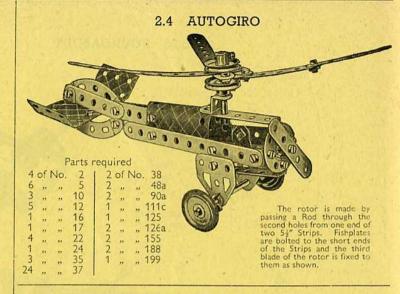


2.11 TRAVELLING CRANE

Parts required

4	of	No.	2	11	of I	No.	19g	13	of	No.	38	12	of N	lo. 111	c
	,,		5	4	**	**	22	1	,,	,,,	40			,, 126	
4	.,	- 22	10				24	12			48a	2	,,,	" 126	a
6	.,,	**	12	4	22	22	35	1	70	one	52	1	n	,, 176	1
2	,,,	99	16		200		37	11			57c	1	**	187	li .
2		"	17	2		94	37a	2	,,	194	9Ua	12	200	" 188	3
				2 of	No	18	9		1	of N	No. 20	0			

A 2" Rod is secured in the boss of the Bush Wheel 3. It then passes through the Road Wheel and through the centre of a $2\frac{1}{2}''\times\frac{1}{2}''$ Double Angle Strip bolted between the two Trunnions 1. A Washer and a Cord Anchoring Spring are pushed on to the Rod to hold it in position. The crane jib is attached to the Bush Wheel by the Angle Brackets 2. The sack shown on the crane hook is rot included in the Outfit.





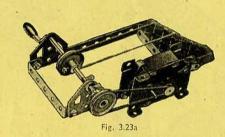
One end of a piece of Cord is fastened to the Crank Handle. It is wound round the Handle a few times and its other end is then fastened to the end of the gun. The two Trunnions are bolted to a Bush Wheel fixed on a 2" Rod that passes through the Road Wheel 2 and the Flanged Plate and is held in place by an Anchoring Spring. The Spring Clips 1 at each side space the gun barrel from the Flat Trunnions.

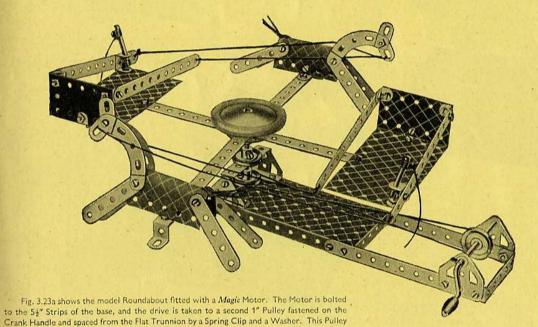
Flanged Plate.

3.23 ROUNDABOUT

	Parts required	
2 of No. 1	4 of No. 22	4 of No. 111c
6 ,, ,, 2	1 ,, ,, 24	2 " " 125
8 " " 5	6 " " 35	2 " " 126
4 " " 10	50 ,, ,, 37	2 " " 126a
2 ,, ,, 11	4 " " 37a	1 " " 187
8 " " 12	4 " " 38	2 " "188
1 ,, ,, 16	1 ,, ,, 40	2 " " 191
1 ., , 17	2 " " 48a	2 " " 199
1 " " 18a	1 " " 52	Magic Motor (not
1 " " 19g	4 " " 90a	included in Outfit)

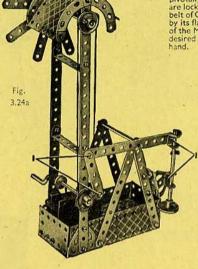
is removed from the end of the pivot rod of the roundabout underneath the $5\frac{1}{2}''\times2\frac{1}{2}''$





3.24 WINDMILL PUMP

Up and down motion of the pumping shaft is obtained from a crank fastened to the end of the Crank Handle. The crank is formed by securing an Angle Bracket to the boss of a 1" Pulley, two Washers being used between the Bracket and the boss. A 2½" Strip is pivoted to the crank and to the pumping beam, the other end of which is pivotally attached to a Double Bracket on the pump rod. The Bolts 1 are lock-nutted. The 1" Pulley on the Crank Handle is connected by a belt of Cord to the shaft carrying the sails. The Magic Motor is bolted by its flanges to the baseplate, and the drive is taken from the pulley of the Motor to a ½" Pulley fixed on the shaft of the Crank Handle. If desired the Motor may be dispensed with and the model operated by hand.



Parts required

			Parts	requ	Ш	ea		*
2	of	No.	1	1 3	3 (of I	Vo.	37a
5	,,	99	2	2		**	**	38
9	22	,,,	5	1		,,	,,	40
2		39.1	11	2	y.	,,	,,	48a
7		,,	12	1		,,	21	52
1	,,	,,	15b	4		,,	191	90a
2	,,*	,,,	16	1		,,	,,	126
1	.,	11	19g	2		,,	**	126a
3		***	22	2		11	,,	188
1	,,		24	2		,,	,,	189
5	**	**	35	2		,,	,,	190
39	**	,,	37	M	a,	gic	Mo	tor (r
				in	ci	ud	edi	n Out

