

MECCANO®

MANUEL D'INSTRUCTIONS

5/6

PIÈCES DÉTACHÉES MECCANO

BANDES

5	6	7	8	9
1 - 25 trous 32 cm	3 - 7 trous 9 cm	7 - 49 trous 62 cm	8 - 25 trous 32 cm	9 - 11 trous 14 cm
1a - 19 trous 24 cm	4 - 6 trous 7,5 cm	7a - 37 trous 47 cm	9a - 9 trous 11,5 cm	
1b - 15 trous 19 cm	5 - 5 trous 6 cm	8 - 25 trous 32 cm	9b - 7 trous 9 cm	
2 - 11 trous 14 cm	6 - Bande spéciale	8a - 19 trous 24 cm	9c - 6 trous 7,5 cm	
2a - 9 trous 11,5 cm	5 trous 5 cm	8b - 15 trous 19 cm	9d - 5 trous 6 cm	
	6a - 3 trous 4 cm	9 - 11 trous 14 cm	9e - 4 trous 5 cm	
			9f - 3 trous 4 cm	

CORNIERES

9a - 9 trous 11,5 cm
9b - 7 trous 9 cm
9c - 6 trous 7,5 cm
9d - 5 trous 6 cm
9e - 4 trous 5 cm
9f - 3 trous 4 cm

SUPPORT PLAT
10

SUPPORT DOUBLE
11 - 12 x 12 mm

SUPPORT DOUBLE
11a - 12 x 25 mm

EQUERRES
12 - 13 x 10 mm
12a - 25 x 25 mm
12b - 25 x 12 mm

EQUERRE A 135°
12c - 13 x 10 mm

TRINGLES

13 - Long. 29 cm	16 - Long. 9 cm
13a - Long. 20 cm	16a - Long. 6 cm
14 - Long. 16,5 cm	16b - Long. 7,5 cm
14a - Long. 14 cm	17 - Long. 5 cm
15 - Long. 13 cm	18a - Long. 4 cm
15a - Long. 11,5 cm	18b - Long. 2,5 cm
15b - Long. 10 cm	

ROUE A MOYEU
19a - Diam. 75 mm

POULIES
19b - A moyeu, diam. 75 mm
20a - A moyeu, diam. 5 cm

POULIE
19c - A moyeu, diam. 15 cm

MANIVELLES
19h - 125 mm
19s - (petite) 9 cm

ROUES A BOUDIN
20 - Diam. 28 mm
20b - Diam. 19 mm

POULIE
21 - A moyeu, diam. 38 mm

POULIE
22 - A moyeu, diam. 25 mm

POULIES
22a - Sans moyeu, 25 mm
23a - A moyeu, 12 mm
23b - Sans moyeu, 12 mm

ROUE BARILLET
24 - 8 trous diam. 34 mm

DISQUE
24a - 8 trous diam. 35 mm

ROUE BARILLET
24b - 6 trous diam. 34 mm

DISQUE
24c - 6 trous diam. 35 mm

PIGNONS
25 - 25 dents, 19 mm, larg. 6 mm
25a - 25 dents, 19 mm, larg. 13 mm
25b - 25 dents, 19 mm, larg. 19 mm
26 - 19 dents, 13 mm, larg. 6 mm
26a - 19 dents, 13 mm, larg. 13 mm
26b - 19 dents, 13 mm, larg. 19 mm
26c - 15 dents, 11 mm, larg. 6 mm

ROUES DENTEES
27 - 50 dents, s'eng. av. pign. 25 dents
27a - 57 dents, s'eng. av. pign. 19 dents
27b - 133 dents, 9 cm, s'eng. av. pign. 19 dents
27c - 95 dents, diam. 63,5 mm
27d - 60 dents, s'eng. av. pign. 15 dents

ROUE DE CHAMP
28 - 50 dents 38 mm
29 - 25 dents 19 mm

PIGNON D'ANGLE
30 - 26 dents 22 mm

PIGNONS D'ANGLE
30a - 16 dents 13 mm
30c - 48 dents 39 mm
Les 30a et 30c ne peuvent être utilisés qu'ensemble.

ROUE
31 - Roue de 38 dents diam. 25 mm

VIS SANS FIN
32 - Vis sans fin diam. 12 mm

CLEF PORTE-ECROU
34b

CLAVETTE
35

TOURNEVIS
36 long. 12,5 cm
36a à manche

TIGE EFFILEE
36c

BOULON
37b - 5 mm

ECROU
37a

RONDELLES METALLIQUES
38 - 10 mm
38d - 19 mm

CORDE MECCANO
40

PALE D'HELICE
41

RESSORT DE TRACTION
43

CHAPE
44

CAVALIER
45

BANDES COUDEES
46 - 60 x 25 mm
47 - 60 x 38 mm
47a - 75 x 38 mm
48 - 38 x 12 mm
48a - 60 x 12 mm
48b - 90 x 12 mm
48c - 115 x 12 mm
48d - 140 x 12 mm

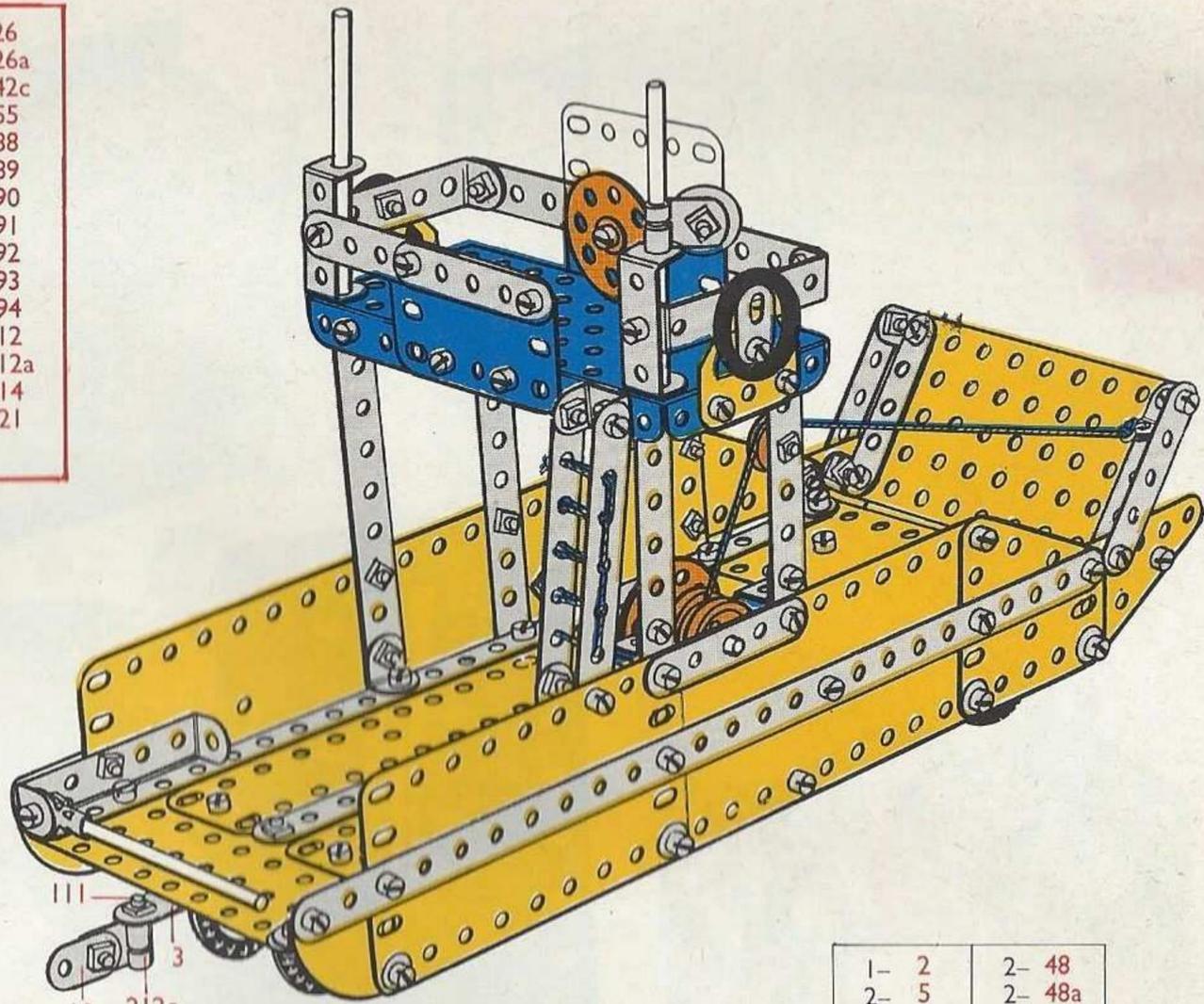
50 BAGUE D'ARRET A GLISSIERE

5.1

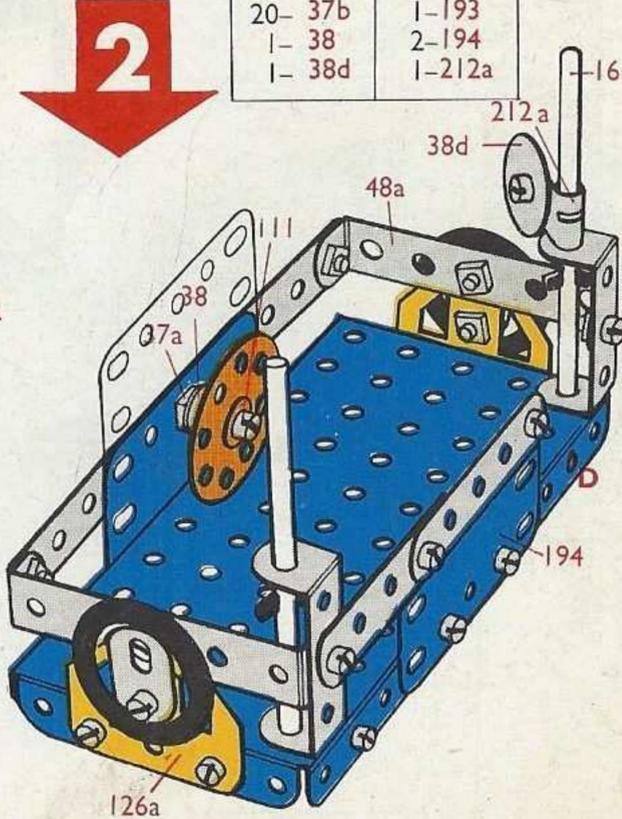
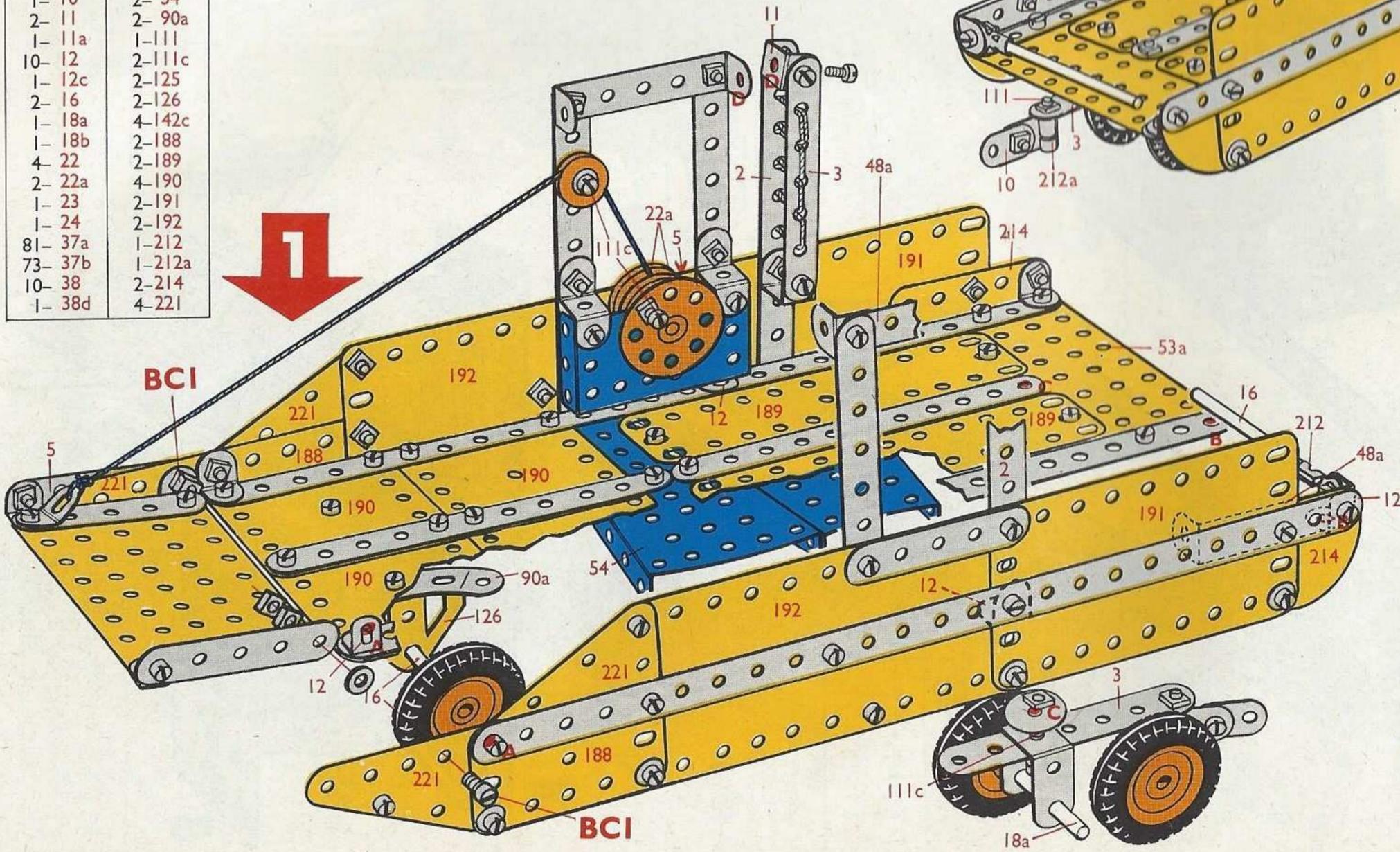
Ferry boat

4- 1	2- 35	2-126
8- 2	107- 37a	2-126a
2- 3	93- 37b	4-142c
8- 5	11- 38	2-155
3- 10	2- 38d	2-188
2- 11	1- 40	2-189
1- 11a	2- 48	4-190
10- 12	5- 48a	2-191
1- 12c	1- 51	2-192
4- 16	1- 52	1-193
1- 18a	2- 53a	2-194
1- 18b	2- 54	1-212
4- 22	2- 90a	2-212a
2- 22a	2-111	2-214
1- 23	4-111c	4-221
2- 24	2-125	

4- 1	1- 40
7- 2	3- 48a
2- 3	1- 51
6- 5	2- 53a
1- 10	2- 54
2- 11	2- 90a
1- 11a	1-111
10- 12	2-111c
1- 12c	2-125
2- 16	2-126
1- 18a	4-142c
1- 18b	2-188
4- 22	2-189
2- 22a	4-190
1- 23	2-191
1- 24	2-192
81- 37a	1-212
73- 37b	1-212a
10- 38	2-214
1- 38d	4-221



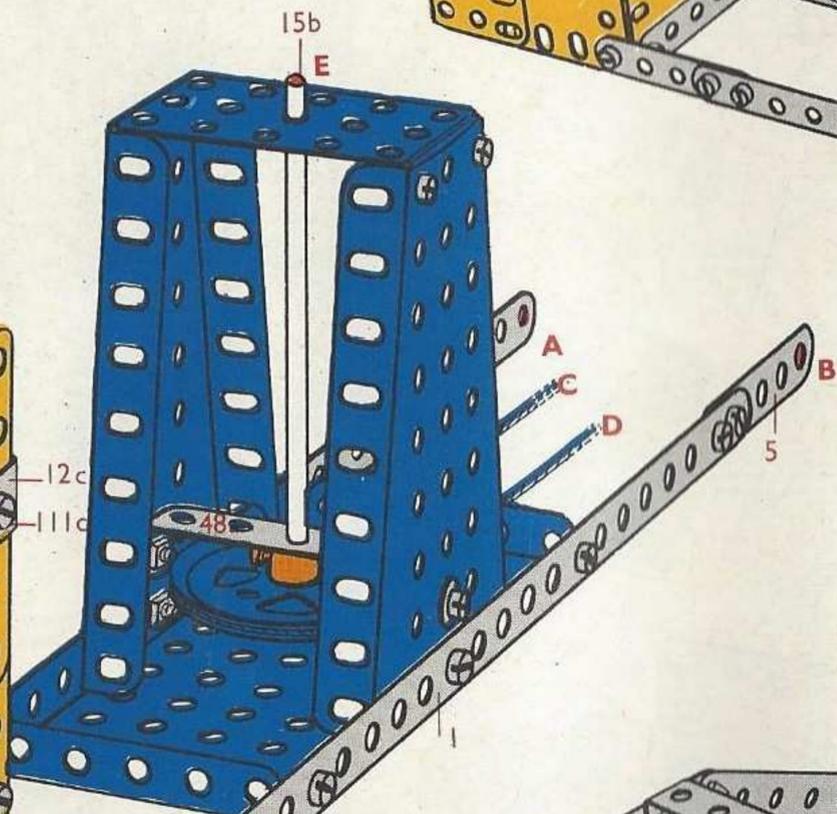
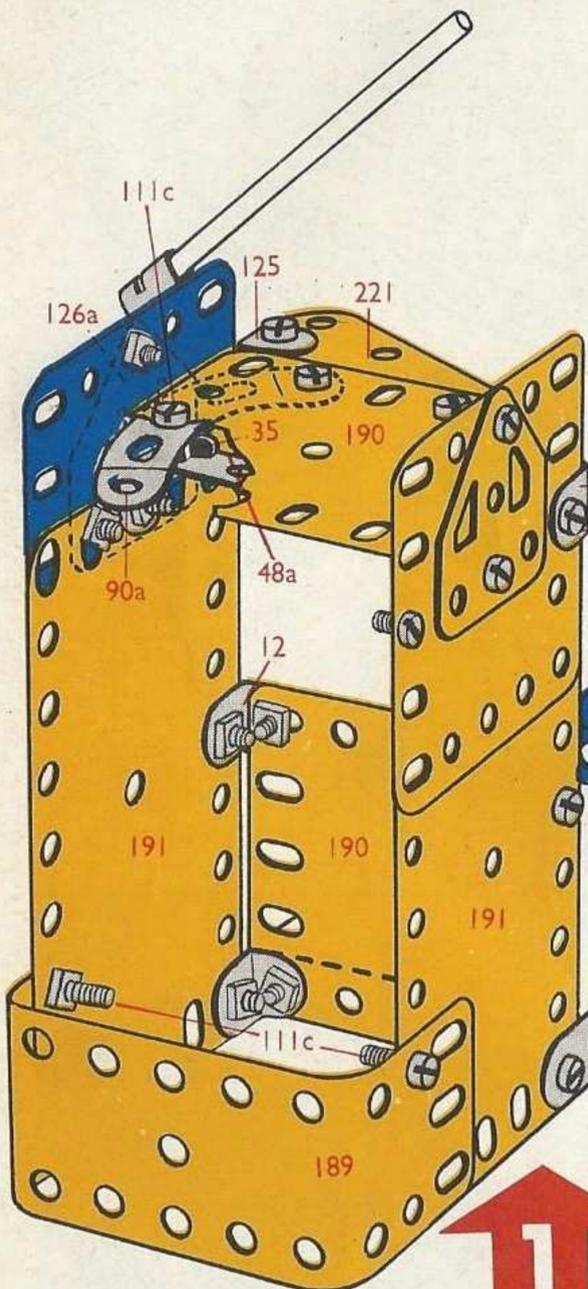
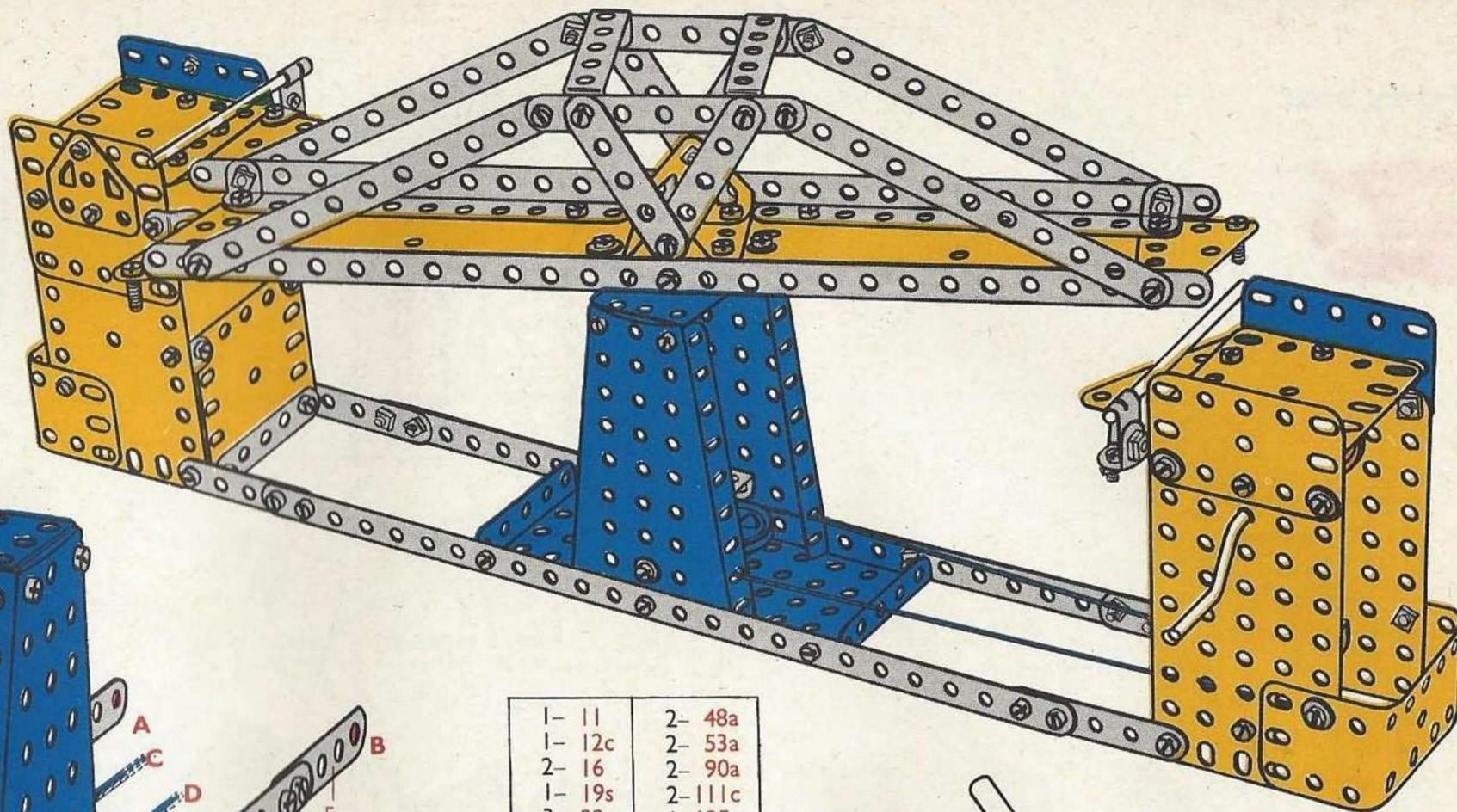
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2- 5	2- 48a
2- 10	1- 52
2- 16	1-111
1- 24	2-111c
2- 35	2-126a
26- 37a	2-155
20- 37b	1-193
1- 38	2-194
1- 38d	1-212a



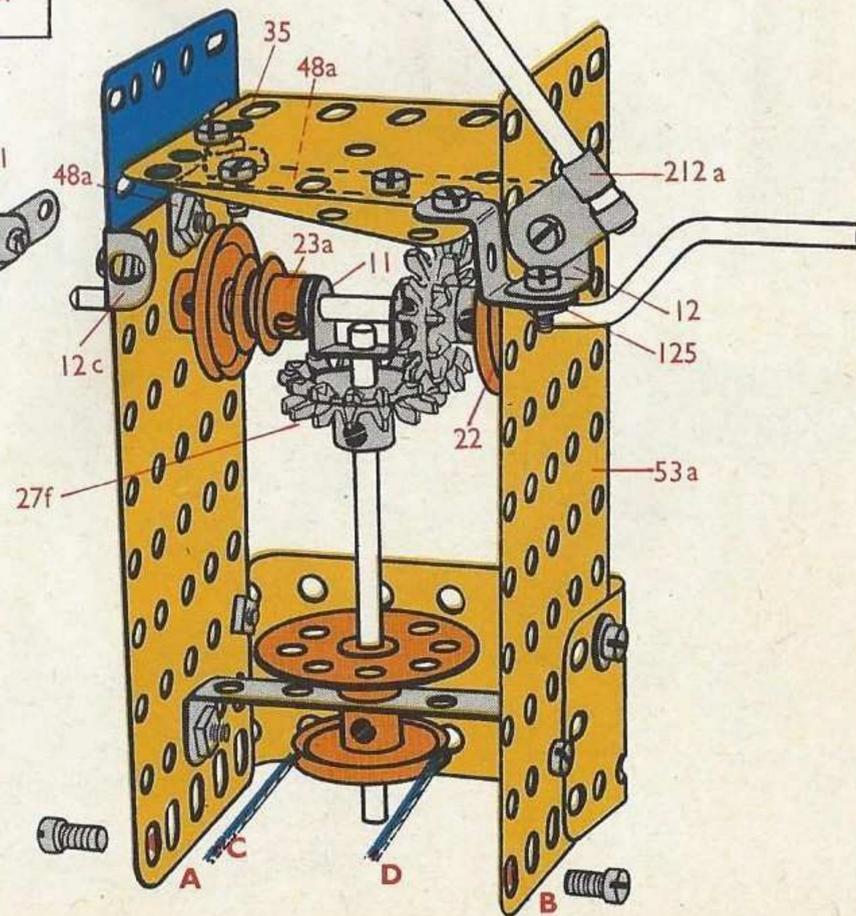
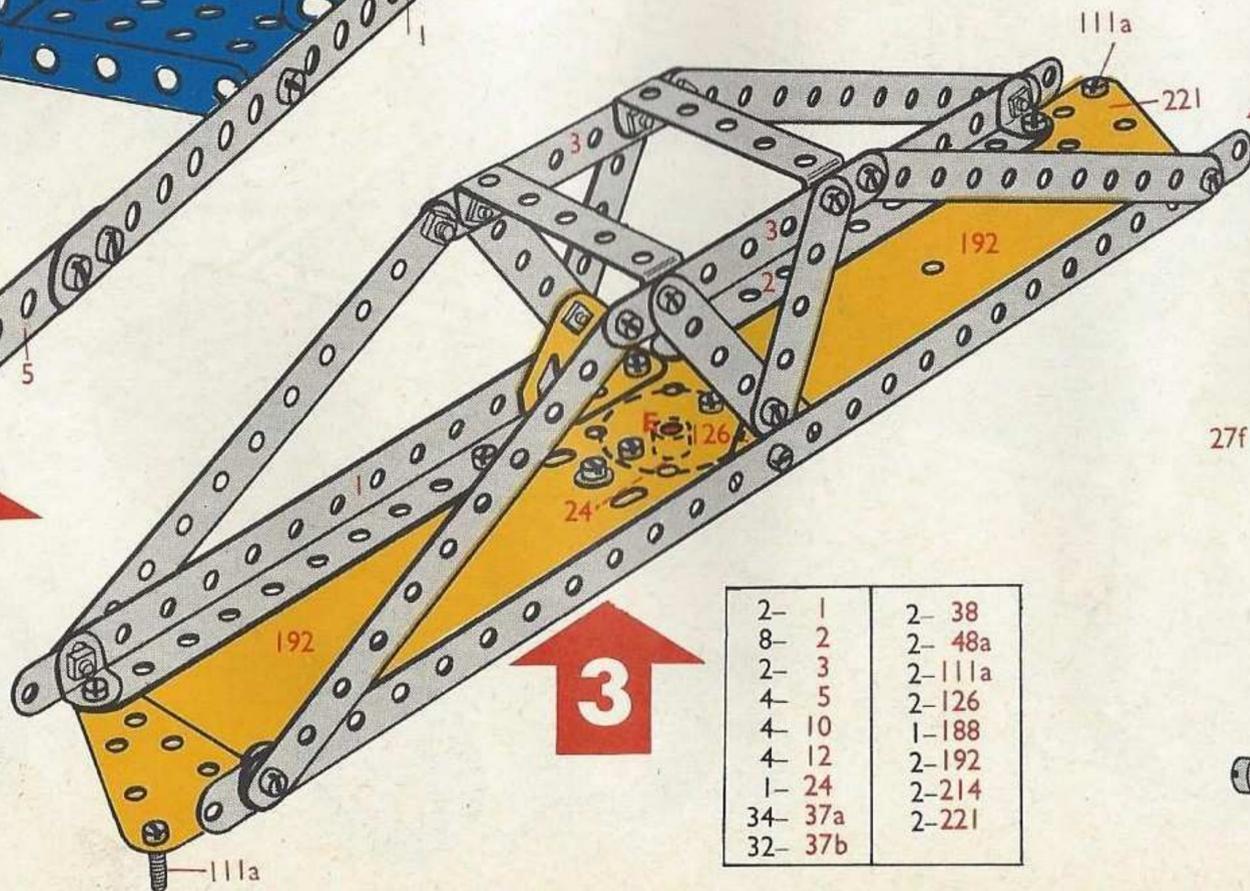
5.2

Pont tournant

4- 1	2- 24	4- 111c
8- 2	2- 27f	2- 125
2- 3	4- 35	2- 126
9- 5	101- 37a	2- 126a
4- 10	93- 37b	2- 188
1- 11	13- 38	2- 189
9- 12	1- 40	4- 190
2- 12c	6- 48a	2- 191
1- 15b	1- 51	2- 192
3- 16	1- 52	2- 194
1- 19s	2- 53a	2- 212a
1- 20a	2- 54	2- 214
3- 22	4- 90a	4- 221
1- 23a	2- 111a	



1- 11	2- 48a
1- 12c	2- 53a
2- 16	2- 90a
1- 19s	2- 111c
3- 22	1- 125
1- 23a	1- 188
1- 24	1- 189
2- 27f	1- 190
2- 35	1- 194
20- 37a	1- 212a
17- 37b	1- 221
9- 38	



2- 1	44- 37b	1- 125
5- 5	2- 38	2- 126a
5- 12	1- 40	1- 189
1- 12c	2- 48a	3- 190
1- 15b	1- 51	2- 191
1- 16	1- 52	1- 194
1- 20a	2- 54	1- 212a
2- 35	2- 90a	1- 221
47- 37a	4- 111c	

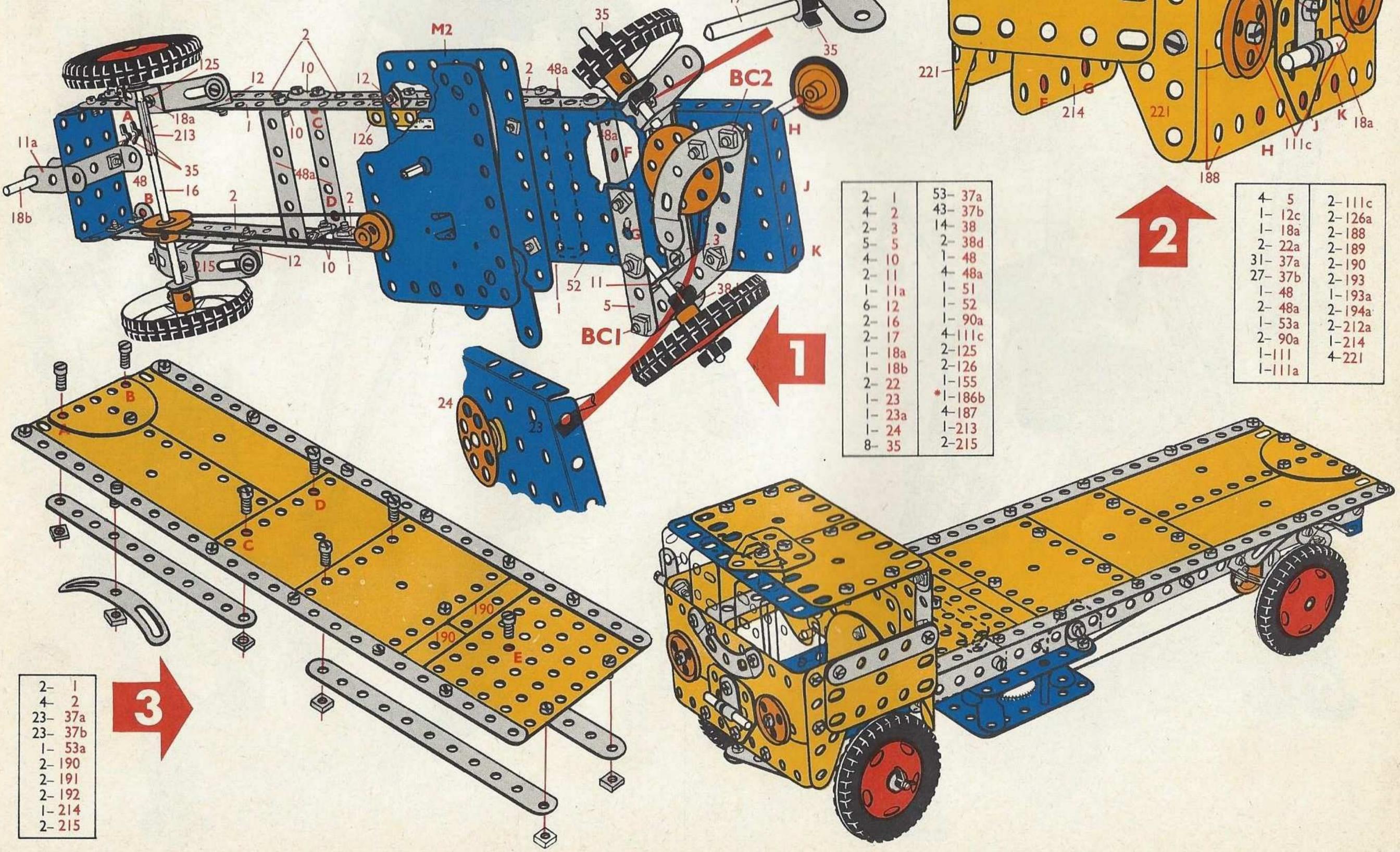
2- 1	2- 38
8- 2	2- 48a
2- 3	2- 111a
4- 5	2- 126
4- 10	1- 188
4- 12	2- 192
1- 24	2- 214
34- 37a	2- 221
32- 37b	

5.3

Camion gros porteur

4- 1	2- 22	1- 52	2-189
8- 2	2- 22a	2- 53a	4-190
2- 3	1- 23	3- 90a	2-191
9- 5	1- 23a	1-111	2-192
4- 10	1- 24	1-111a	2-193
2- 11	8- 35	6-111c	1-193a
1- 11a	107- 37a	2-125	2-194a
6- 12	93- 37b	2-126	2-212a
1- 12c	14- 38	2-126a	1-213
2- 16	2- 38d	1-155	2-214
2- 17	2- 48	*1-186b	4-215
2- 18a	6- 48a	4-187	4-221
1- 18b	1- 51	2-188	*1-M2

* Non inclus dans la boîte



2- 1	53- 37a
4- 2	43- 37b
2- 3	14- 38
5- 5	2- 38d
4- 10	1- 48
2- 11	4- 48a
1- 11a	1- 51
6- 12	1- 52
2- 16	1- 90a
2- 17	4-111c
1- 18a	2-125
1- 18b	2-126
2- 22	1-155
1- 23	*1-186b
1- 23a	4-187
1- 24	1-213
8- 35	2-215

4- 5	2-111c
1- 12c	2-126a
1- 18a	2-188
2- 22a	2-189
31- 37a	2-190
27- 37b	2-193
1- 48	1-193a
2- 48a	2-194a
1- 53a	2-212a
2- 90a	1-214
1-111	4-221
1-111a	

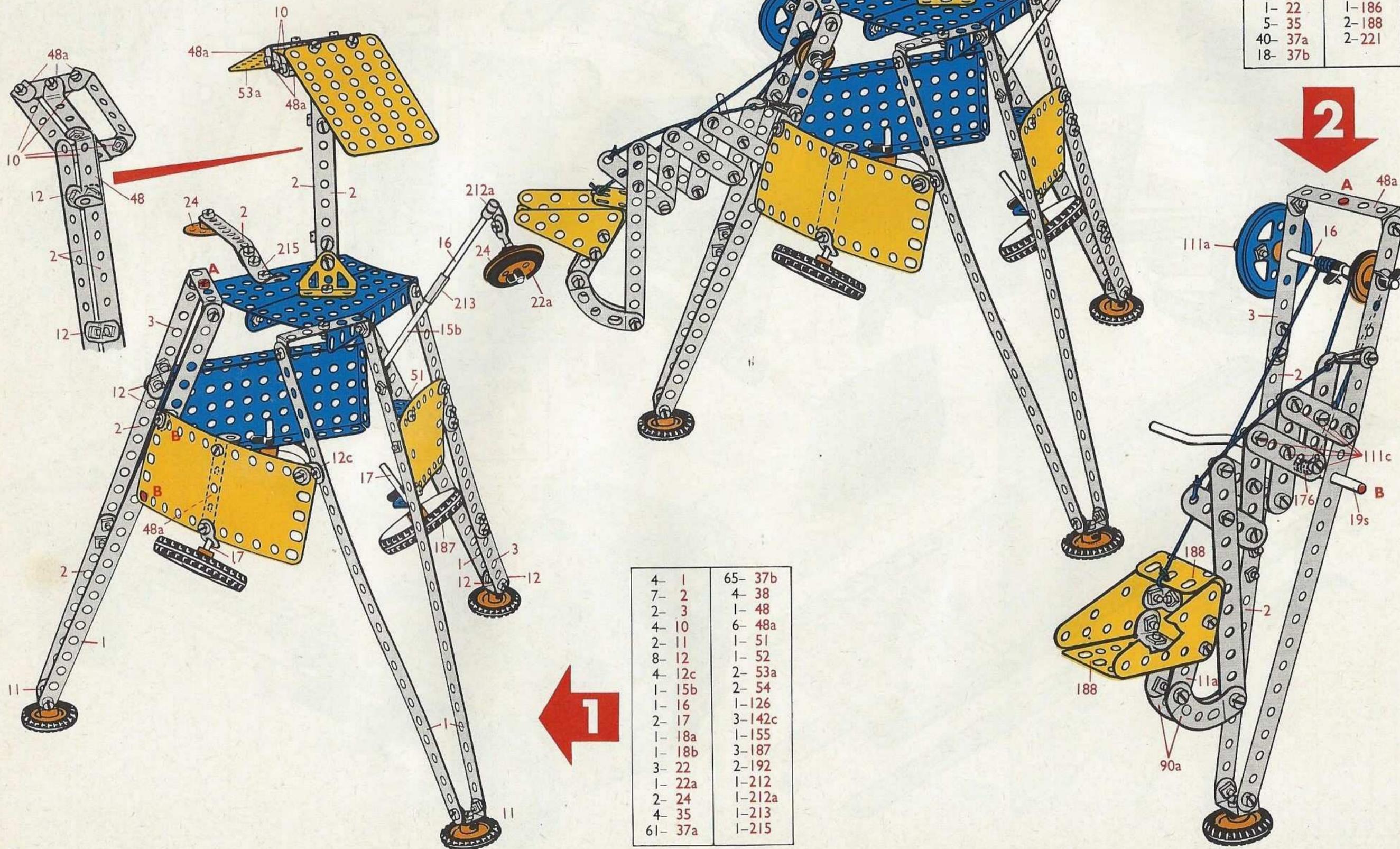
2- 1
4- 2
23- 37a
23- 37b
1- 53a
2- 190
2- 191
2- 192
1- 214
2- 215



5.4 Véhicule lunaire

4- 1	1- 18a	2- 48	1-176
8- 2	1- 18b	6- 48a	1-186
2- 3	1- 19s	1- 51	3-187
7- 5	1- 20a	1- 52	2-188
4- 10	4- 22	2- 53a	2-192
2- 11	1- 22a	2- 54	1-212
1- 11a	2- 24	2- 90a	1-212a
10- 12	9- 35	1-111a	1-213
4- 12c	105- 37a	6-111c	1-215
1- 15b	83- 37b	1-126	2-221
2- 16	8- 38	3-142c	
2- 17	1- 40	1-155	

1- 2	4- 38
7- 5	1- 40
1- 11a	1- 48
2- 12	2- 90a
1- 16	1-111a
1- 19s	6-111c
1- 20a	1-176
1- 22	1-186
5- 35	2-188
40- 37a	2-221
18- 37b	

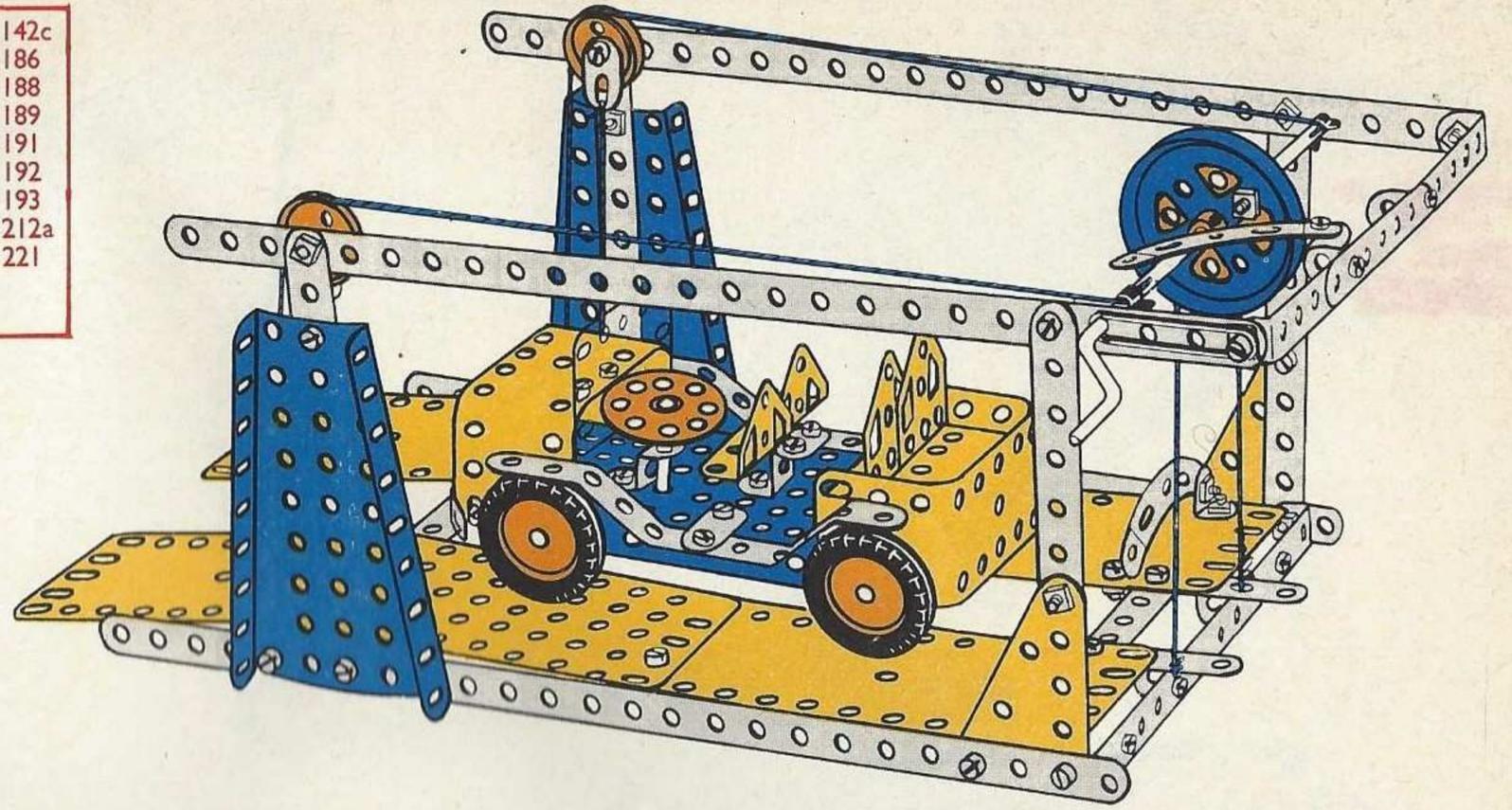


4- 1	65- 37b
7- 2	4- 38
2- 3	1- 48
4- 10	6- 48a
2- 11	1- 51
8- 12	1- 52
4- 12c	2- 53a
1- 15b	2- 54
1- 16	1-126
2- 17	3-142c
1- 18a	1-155
1- 18b	3-187
3- 22	2-192
1- 22a	1-212
2- 24	1-212a
4- 35	1-213
61- 37a	1-215

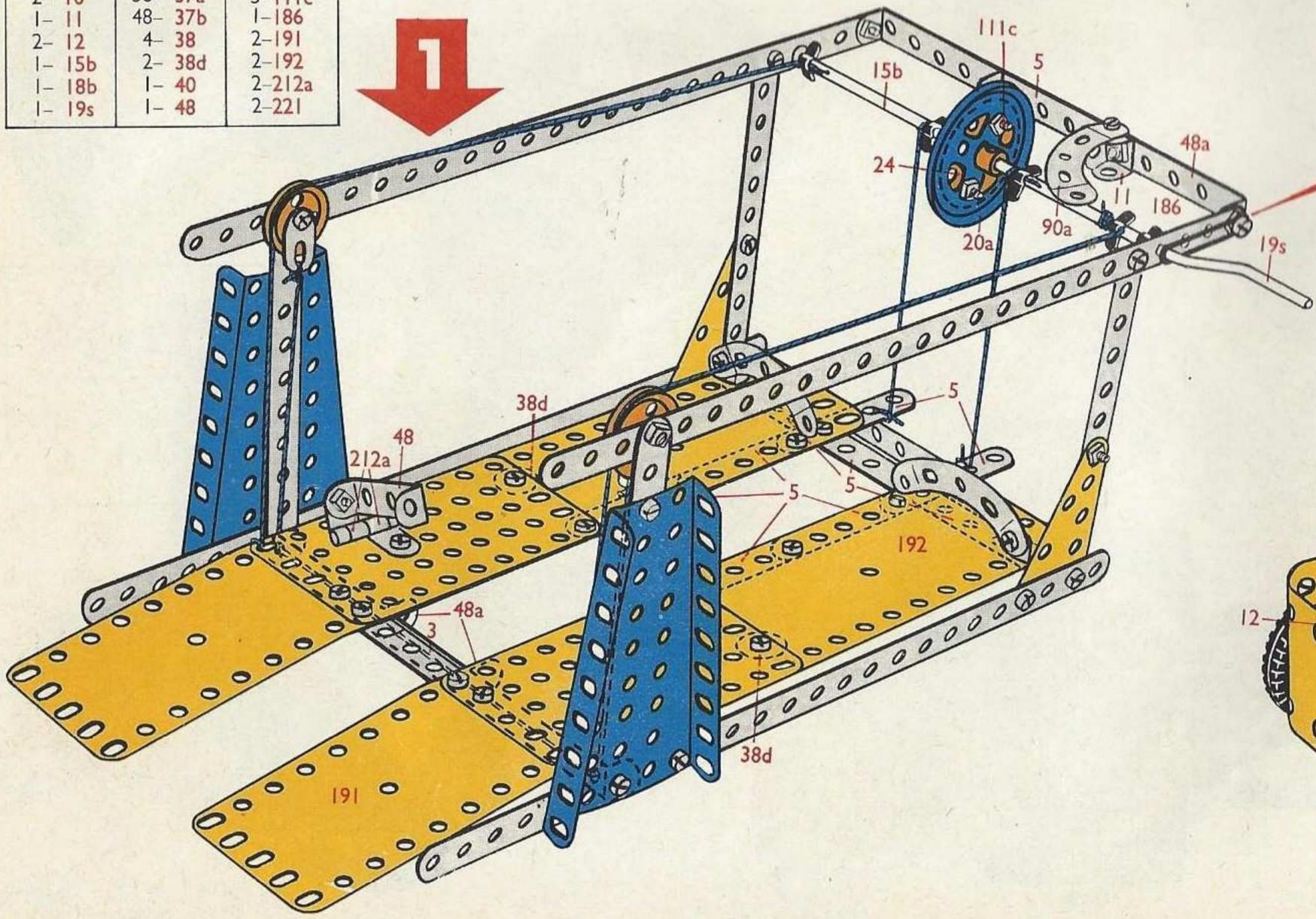
5.5

Pont de garage

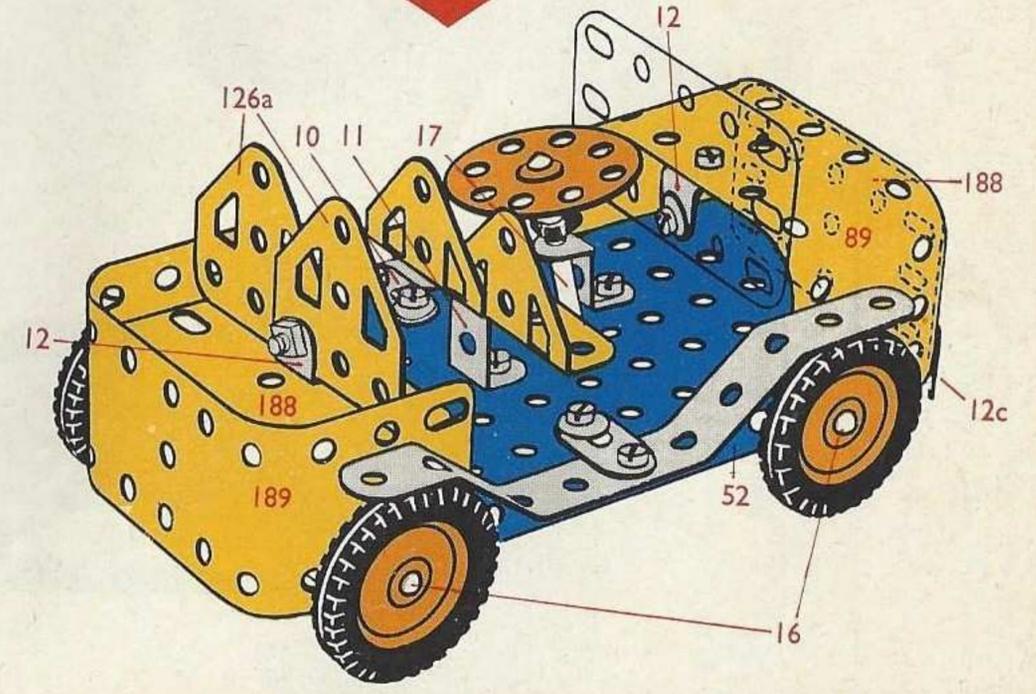
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4- 10	2- 22a	2- 53a	2- 191
2- 11	2- 24	2- 54	2- 192
4- 12	7- 35	3- 90a	1- 193
2- 12c	74- 37a	5- 111c	2- 212a
1- 15b	66- 37b	2- 125	2- 221
2- 16	14- 38	2- 126	
1- 17	2- 38d	2- 126a	



4- 1	1- 20a	6- 48a
6- 2	2- 22a	2- 53a
2- 3	1- 24	2- 54
9- 5	5- 35	3- 90a
2- 10	56- 37a	5- 111c
1- 11	48- 37b	1- 186
2- 12	4- 38	2- 191
1- 15b	2- 38d	2- 192
1- 18b	1- 40	2- 212a
1- 19s	1- 48	2- 221



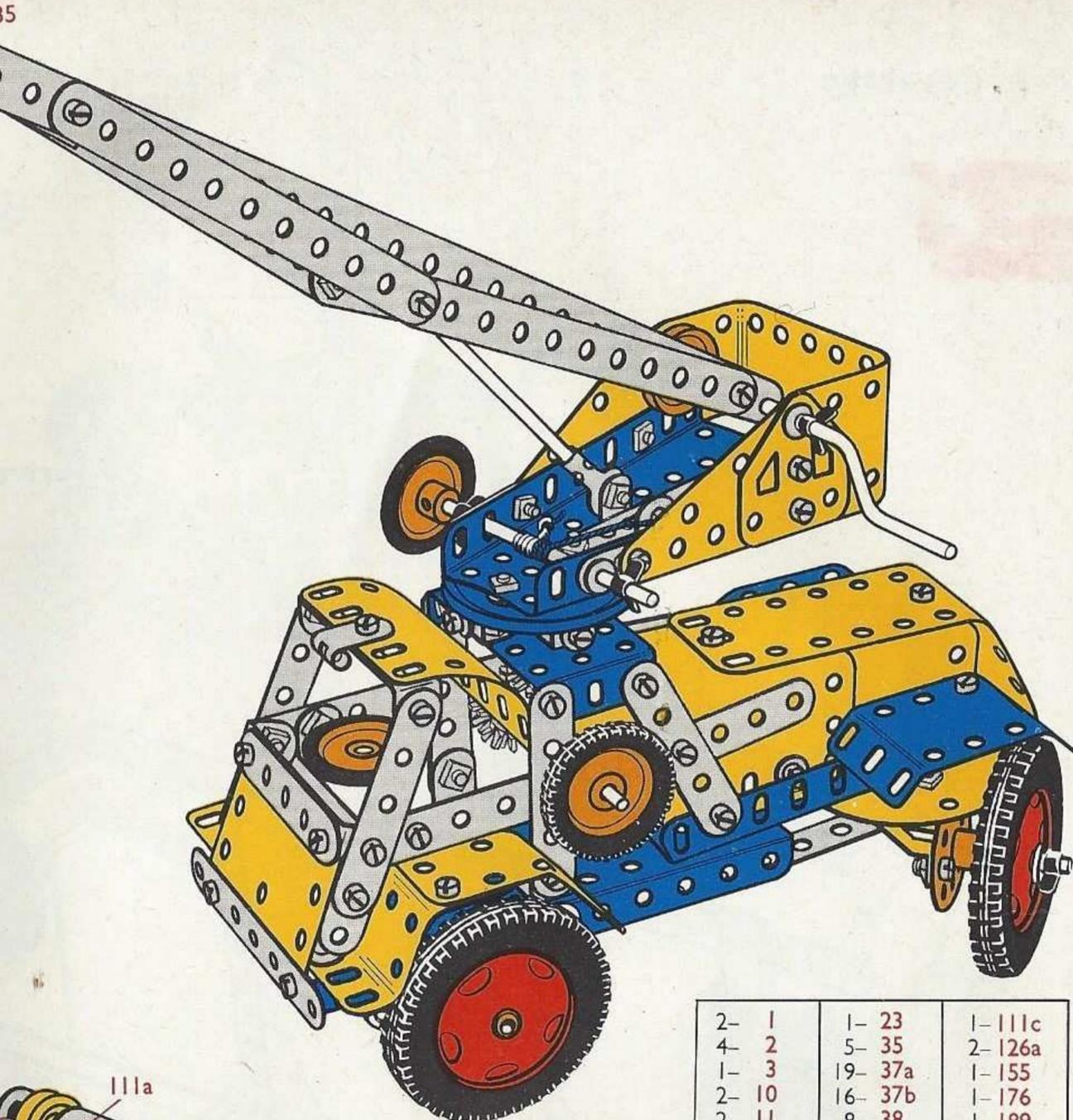
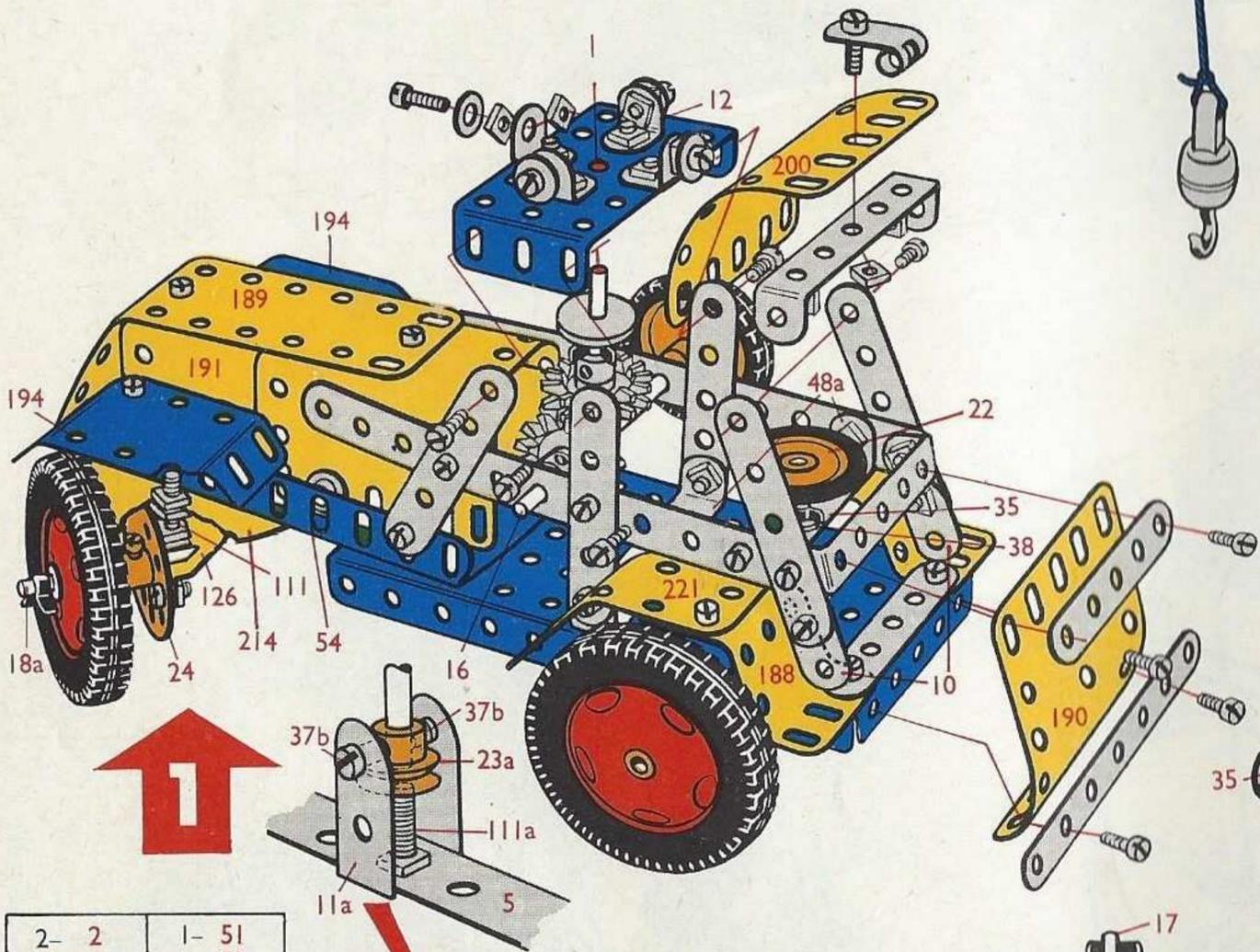
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2- 10	1- 24	2- 126
1- 11	2- 35	2- 126a
2- 12	18- 37a	4- 142c
2- 12c	18- 37b	2- 188
2- 16	10- 38	2- 189
1- 17	1- 52	1- 193



5.6

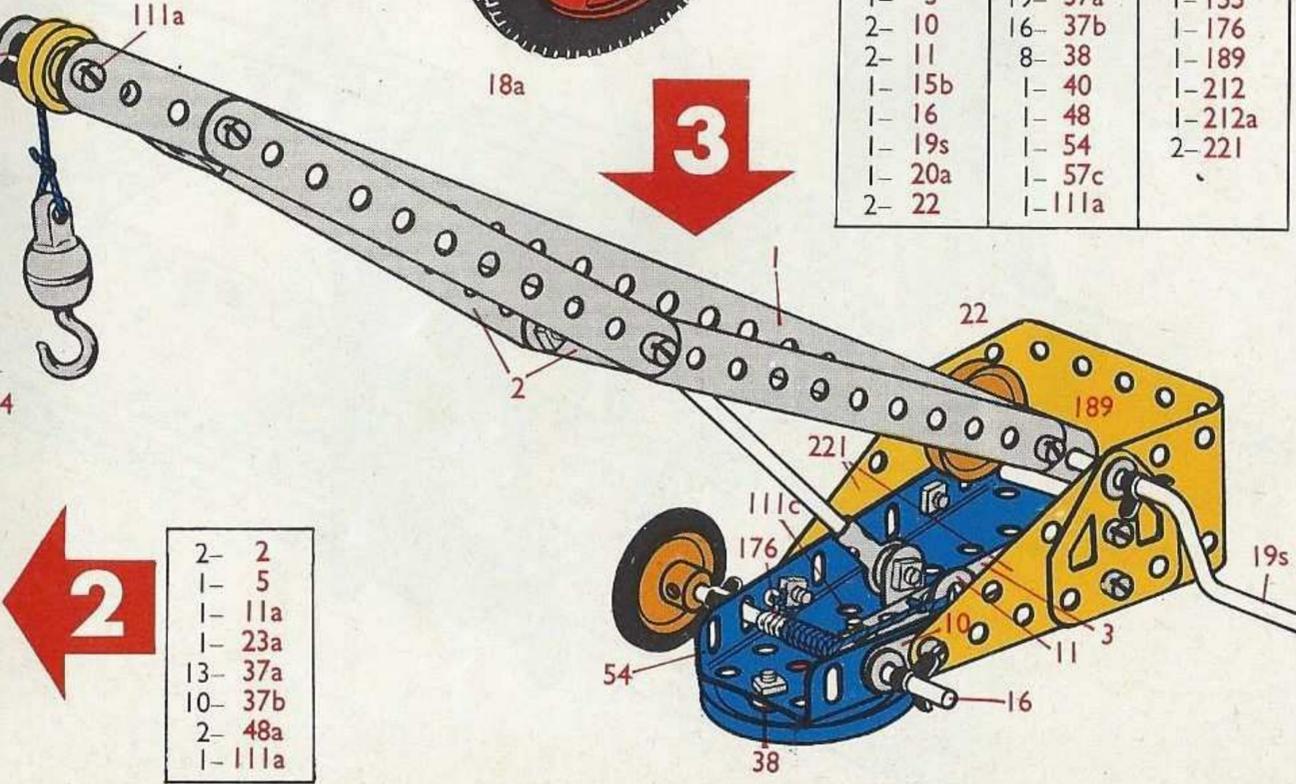
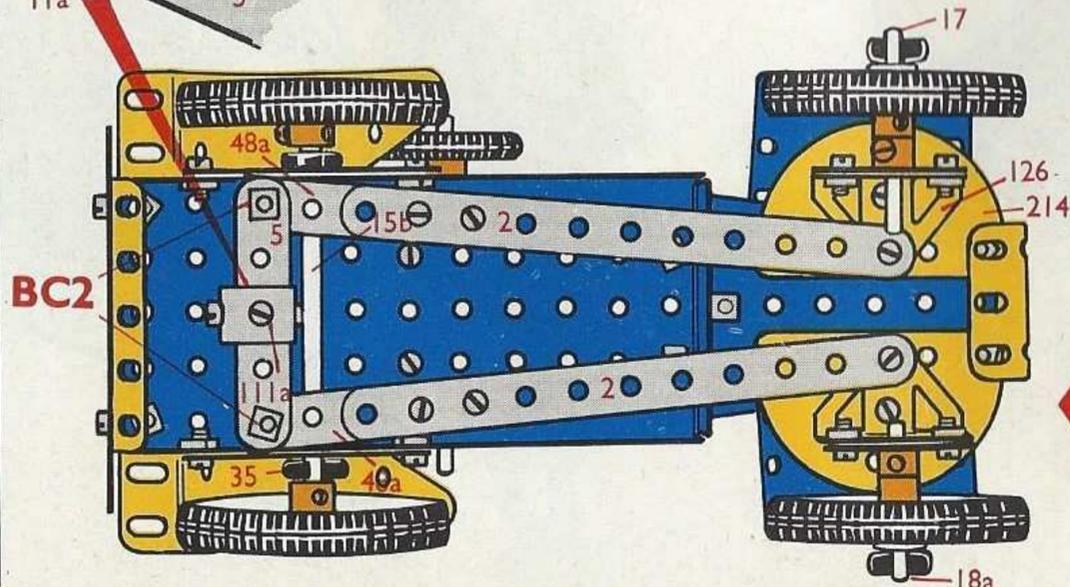
Grue Jumbo

2- 1	1- 20a	6- 48a	1- 176
8- 2	4- 22	1- 51	4- 187
2- 3	1- 23	1- 52	2- 188
9- 5	1- 23a	2- 54	2- 189
2- 10	2- 24	1- 57c	1- 190
2- 11	2- 27f	2- 90a	2- 191
1- 11a	10- 35	2- 111	2- 194
4- 12	104- 37a	2- 111a	1- 200
2- 15b	88- 37b	1- 111c	1- 212
2- 16	15- 38	2- 126	2- 212a
2- 17	2- 38d	2- 126a	2- 214
2- 18a	1- 40	1- 142c	4- 221
1- 19s	2- 48	2- 155	



2- 1	1- 23	1- 111c
4- 2	5- 35	2- 126a
1- 3	19- 37a	1- 155
2- 10	16- 37b	1- 176
2- 11	8- 38	1- 189
1- 15b	1- 40	1- 212
1- 16	1- 48	1- 212a
1- 19s	1- 54	2- 221
1- 20a	1- 57c	
2- 22	1- 111a	

2- 2	1- 51
1- 3	1- 52
8- 5	1- 54
2- 10	2- 90a
4- 12	2- 111
1- 15b	2- 126
1- 16	1- 142c
2- 17	1- 155
2- 18a	4- 187
2- 22	2- 188
2- 24	1- 189
2- 27f	1- 190
5- 35	2- 191
72- 37a	2- 194
62- 37b	1- 200
7- 38	1- 212a
2- 38d	2- 214
1- 48	2- 221
4- 48a	



2- 2
1- 5
1- 11a
1- 23a
13- 37a
10- 37b
2- 48a
1- 111a

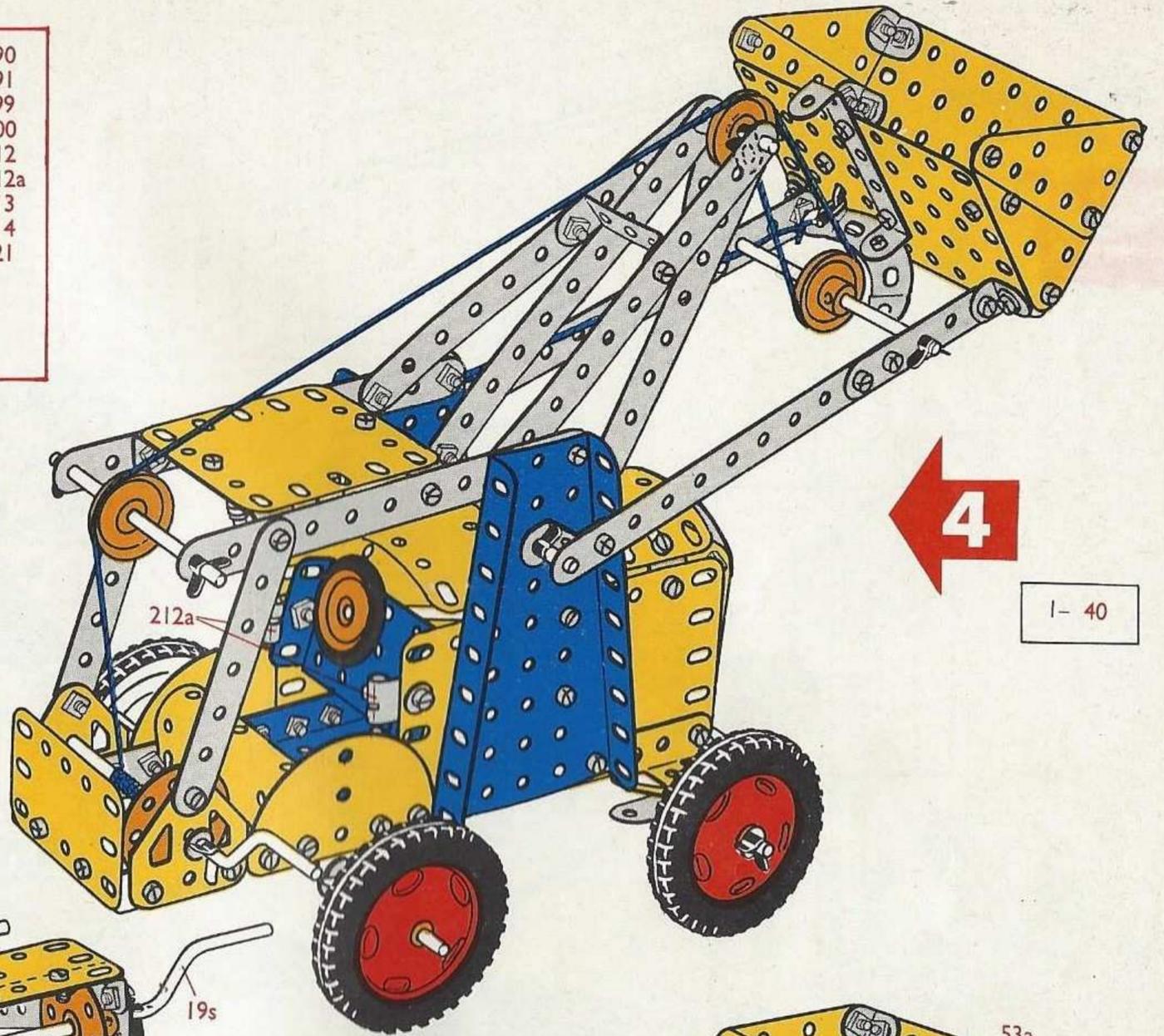
5.7

Pelle mécanique

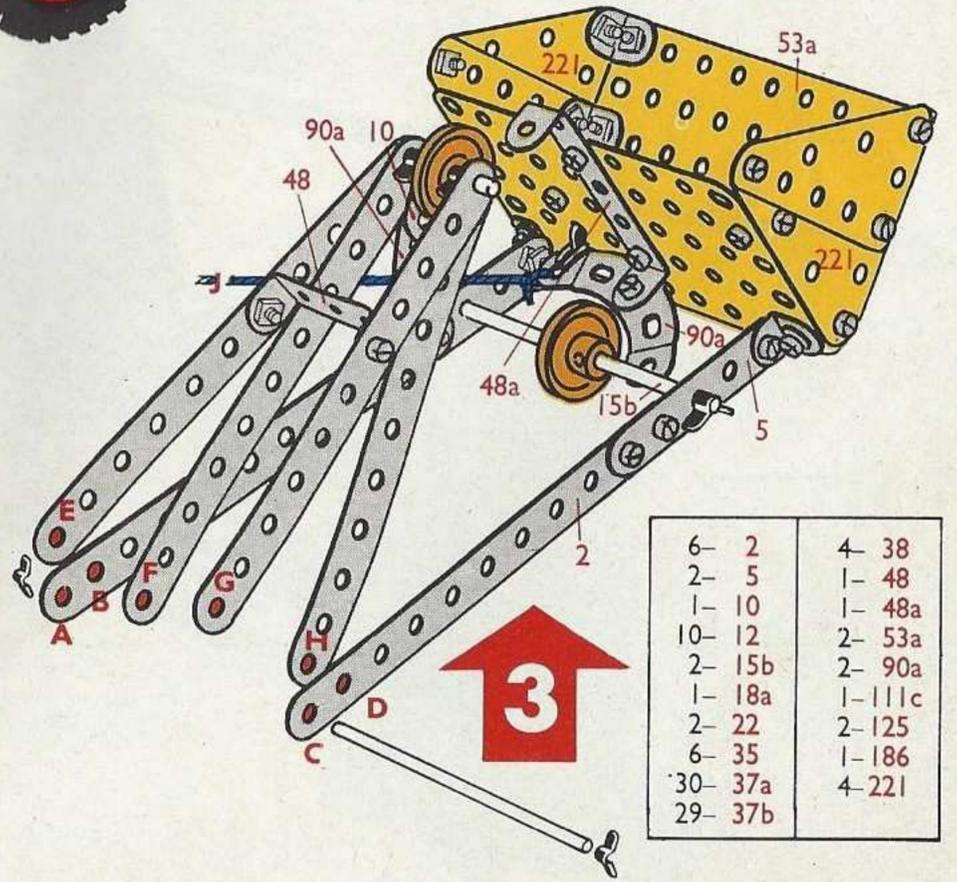
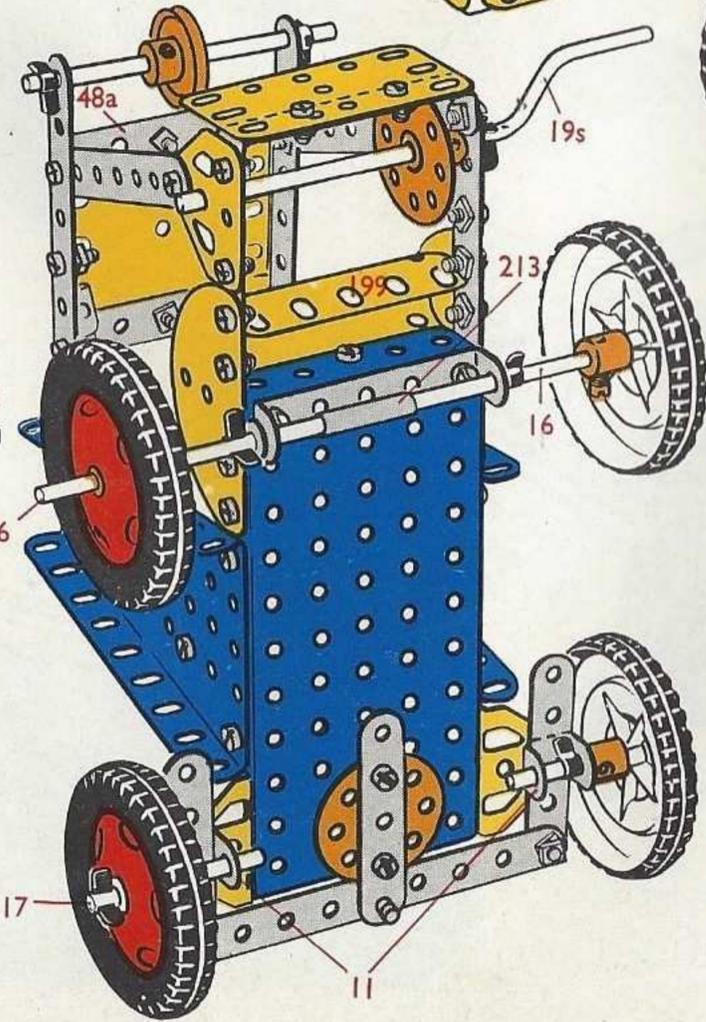
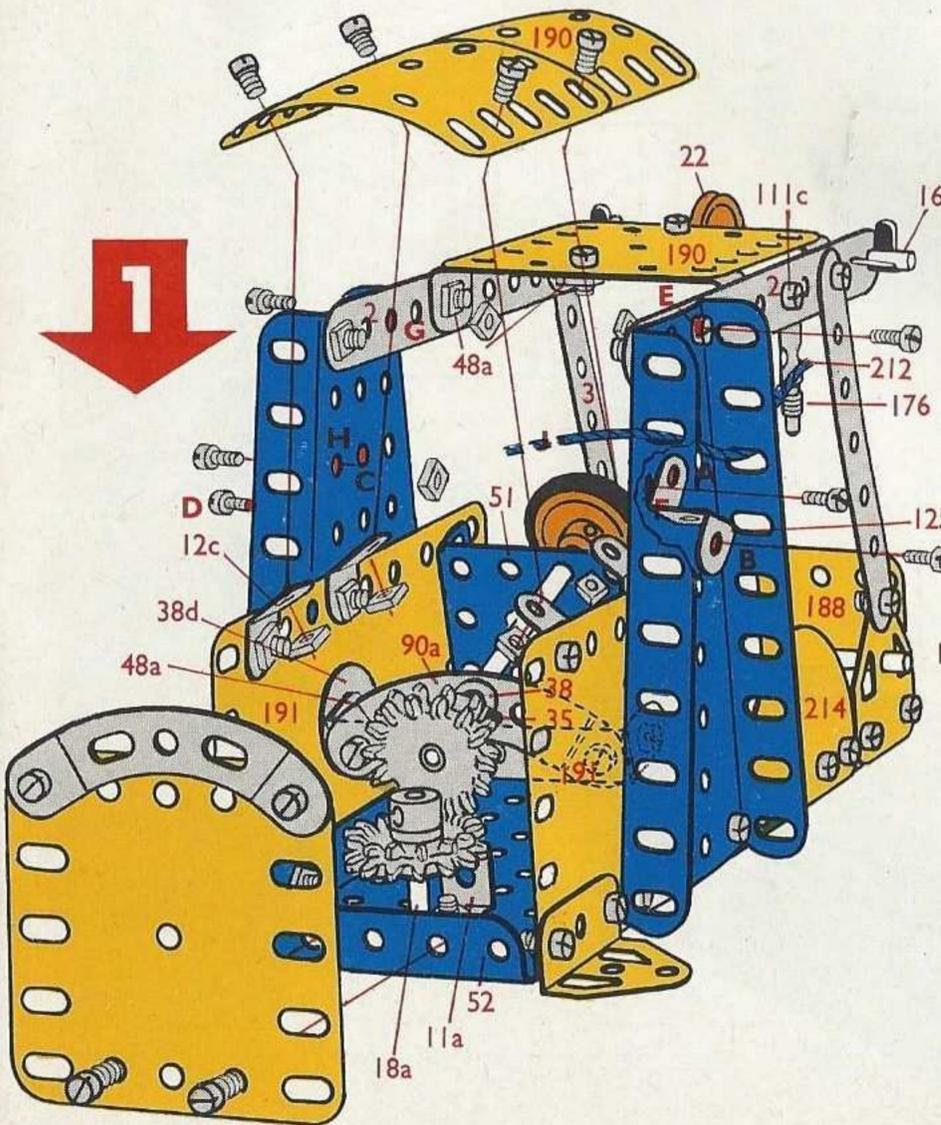
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1- 10	2- 27f	4- 90a	1-200
2- 11	16- 35	4-111c	1-212
1- 11a	95- 37a	2-125	2-212a
10- 12	93- 37b	2-126	1-213
4- 12c	12- 38	2-126a	2-214
2- 15b	2- 38d	1-155	4-221
4- 16	1- 40	1-176	
2- 17	1- 48	1-186	
2- 18a	6- 48a	4-187	
1- 18b	1- 51	1-188	

2- 2	2- 22	1- 51	1-188
2- 3	1- 24	1- 52	3-190
2- 5	2- 27f	2- 54	2-191
1- 11a	3- 35	2- 90a	1-200
4- 12c	55- 37a	2-111c	1-212
2- 16	53- 37b	2-126	2-212a
1- 18a	4- 38	2-126a	2-214
1- 18b	2- 38d	1-155	
1- 19s	4- 48a	1-176	

5- 5	9- 37b
2- 11	4- 38
2- 16	1- 48a
2- 17	1-111c
1- 24	4-187
7- 35	1-199
10- 37a	1-213



1- 40



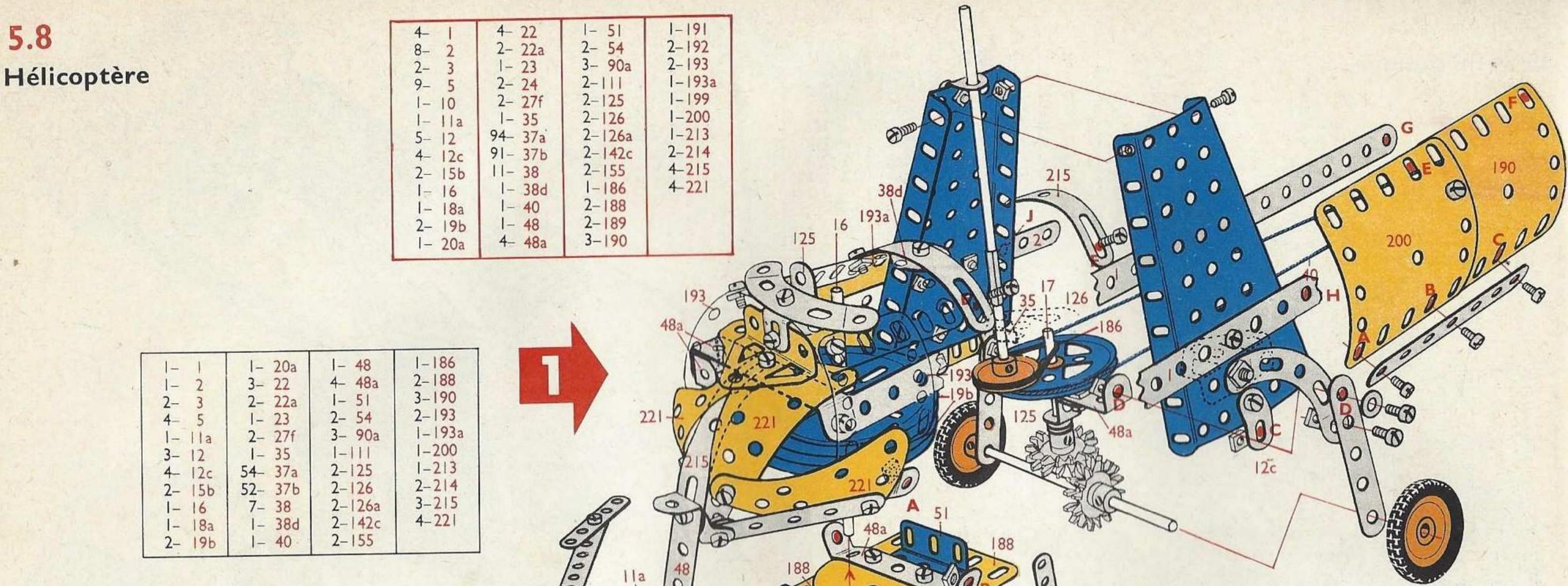
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2- 5	1- 48
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10- 12	2- 53a
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2- 22	2-125
6- 35	1-186
30- 37a	4-221
29- 37b	

5.8

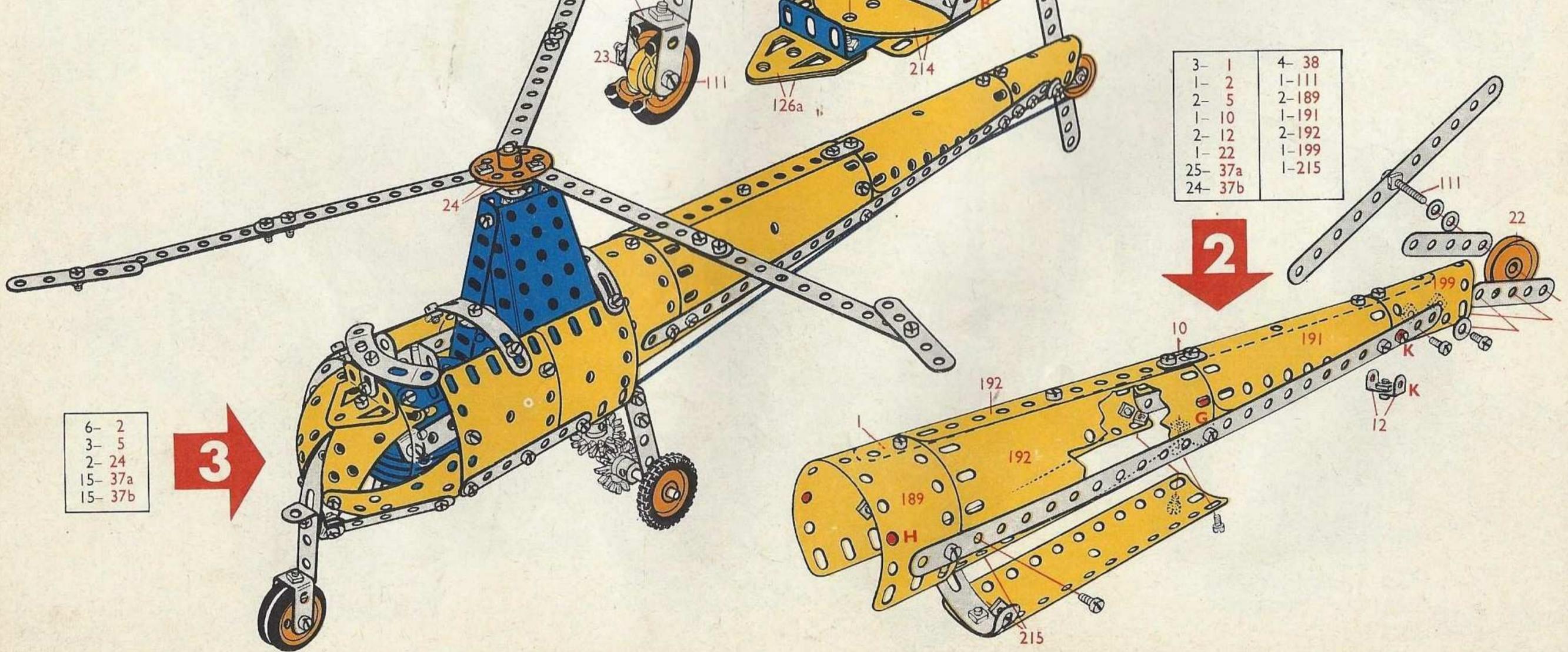
Hélicoptère

4- 1	4- 22	1- 51	1-191
8- 2	2- 22a	2- 54	2-192
2- 3	1- 23	3- 90a	2-193
9- 5	2- 24	2-111	1-193a
1- 10	2- 27f	2-125	1-199
1- 11a	1- 35	2-126	1-200
5- 12	94- 37a	2-126a	1-213
4- 12c	91- 37b	2-142c	2-214
2- 15b	11- 38	2-155	4-215
1- 16	1- 38d	1-186	4-221
1- 18a	1- 40	2-188	
2- 19b	1- 48	2-189	
1- 20a	4- 48a	3-190	

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1- 2	3- 22	4- 48a	2-188
2- 3	2- 22a	1- 51	3-190
4- 5	1- 23	2- 54	2-193
1- 11a	2- 27f	3- 90a	1-193a
3- 12	1- 35	1-111	1-200
4- 12c	54- 37a	2-125	1-213
2- 15b	52- 37b	2-126	2-214
1- 16	7- 38	2-126a	3-215
1- 18a	1- 38d	2-142c	4-221
2- 19b	1- 40	2-155	



3- 1	4- 38
1- 2	1-111
2- 5	2-189
1- 10	1-191
2- 12	2-192
1- 22	1-199
25- 37a	1-215
24- 37b	



6- 2
3- 5
2- 24
15- 37a
15- 37b



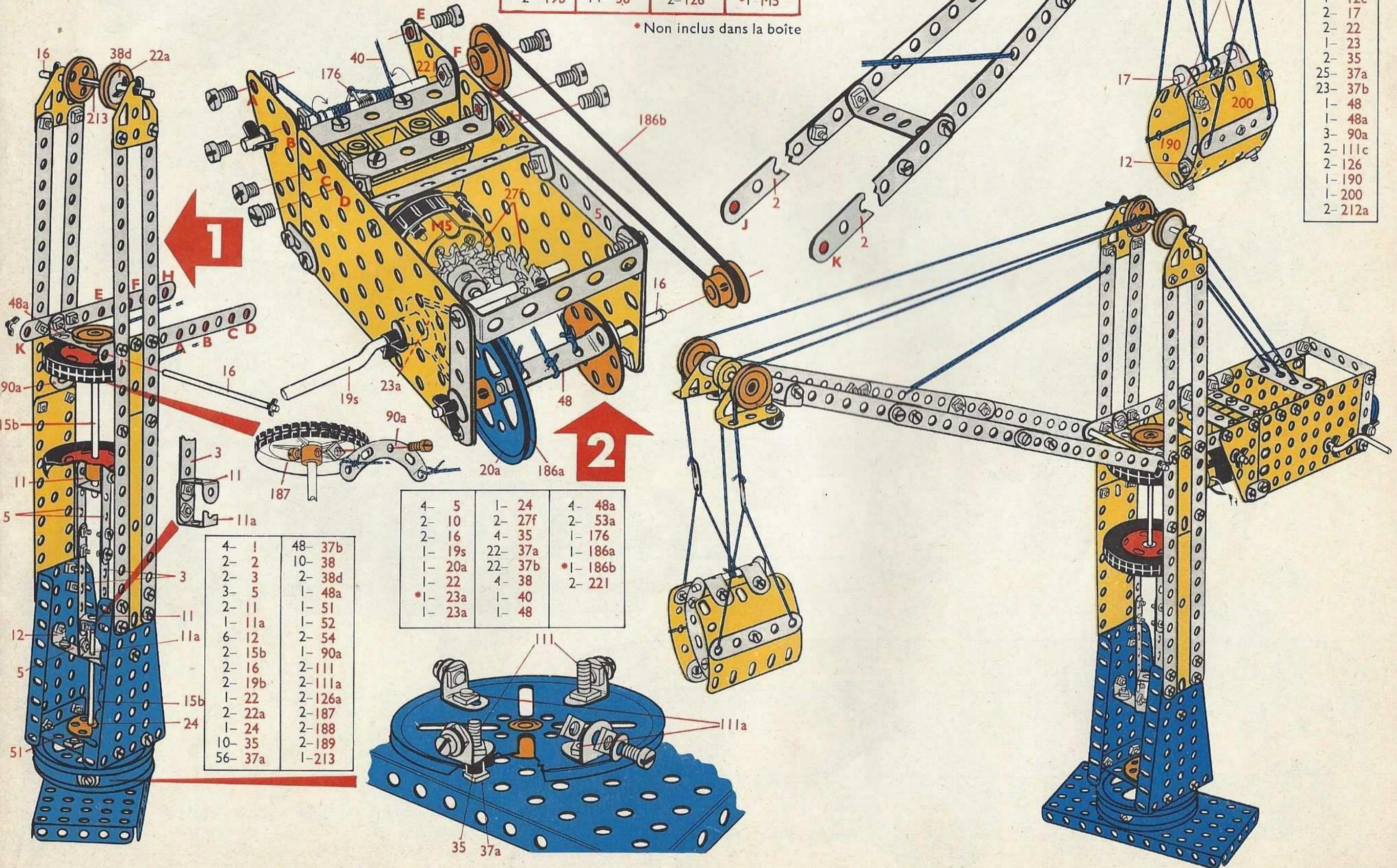
5.9 Grue à benne preneuse

4- 1	1- 19s	2- 38d	2- 126a
8- 2	1- 20a	1- 40	1- 176
2- 3	4- 22	2- 48	1- 186a
9- 5	2- 22a	6- 48a	*1- 186b
4- 10	1- 23	1- 51	2- 187
2- 11	*1- 23a	1- 52	2- 188
1- 11a	1- 23a	2- 53a	2- 189
10- 12	2- 24	2- 54	1- 190
1- 12c	2- 27f	4- 90a	1- 200
2- 15b	16- 35	2- 111	2- 212a
4- 16	103- 37a	2- 111a	1- 213
2- 17	93- 37b	2- 111c	2- 221
2- 19b	14- 38	2- 126	*1- M5

* Non inclus dans la boîte

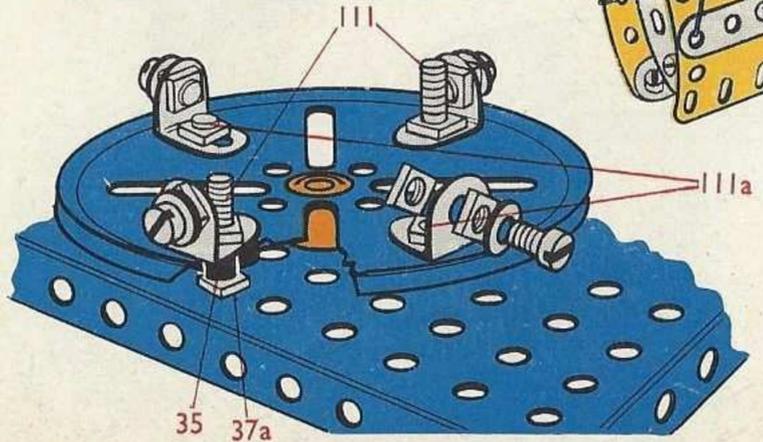


6- 2
2- 5
2- 10
4- 12
1- 12c
2- 17
2- 22
1- 23
2- 35
25- 37a
23- 37b
1- 48
1- 48a
3- 90a
2- 111c
2- 126
1- 190
1- 200
2- 212a



4- 1	48- 37b
2- 2	10- 38
2- 3	2- 38d
3- 5	1- 48a
2- 11	1- 51
1- 11a	1- 52
6- 12	2- 54
2- 15b	1- 90a
2- 16	2- 111
2- 19b	2- 111a
1- 22	2- 126a
2- 22a	2- 187
1- 24	2- 188
10- 35	2- 189
56- 37a	1- 213

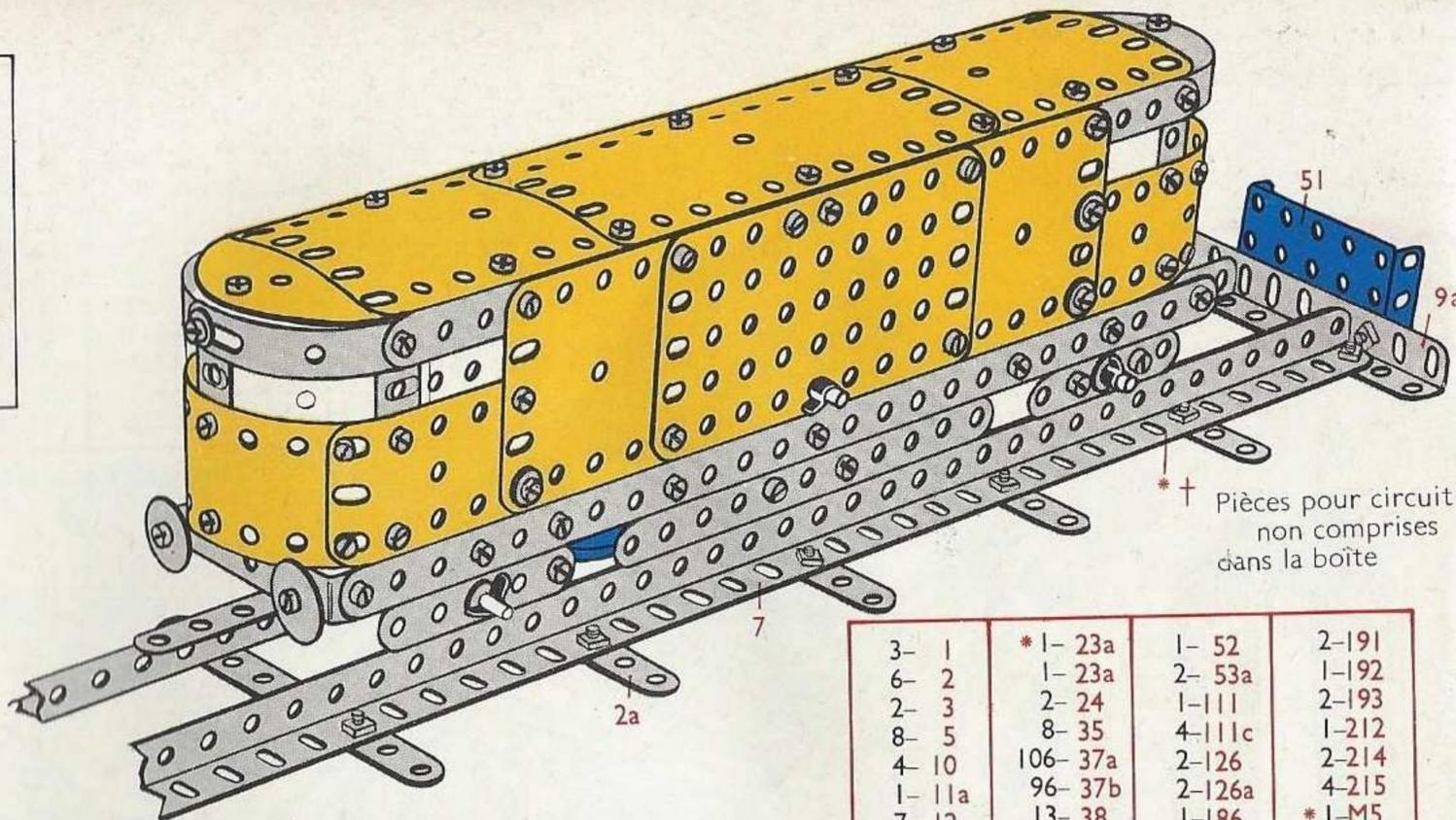
4- 5	1- 24	4- 48a
2- 10	2- 27f	2- 53a
2- 16	4- 35	1- 176
1- 19s	22- 37a	1- 186a
1- 22	22- 37b	*1- 186b
*1- 23a	4- 38	2- 221
1- 23a	1- 40	
	1- 48	



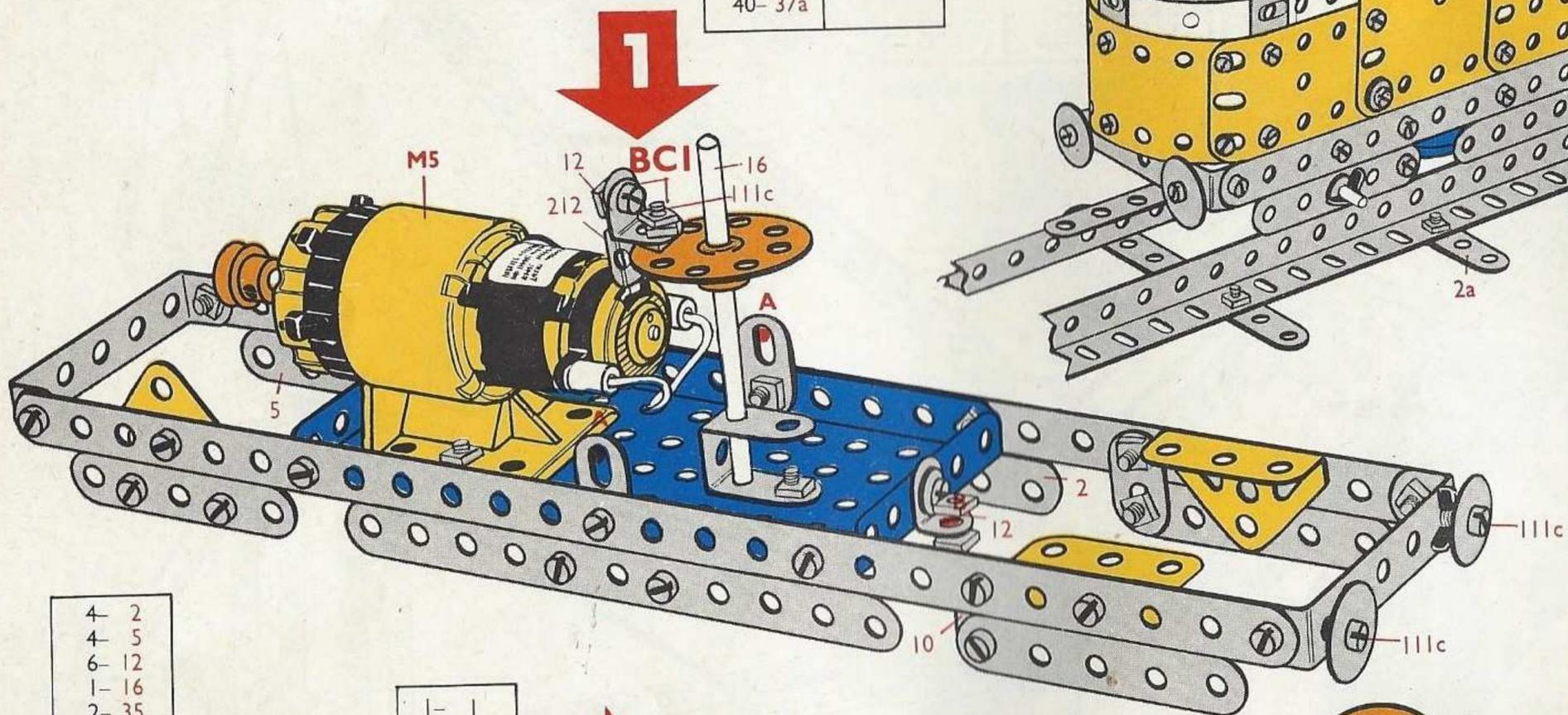
5.10

Loco diesel-électrique

2- 1	32- 37b
2- 2	1- 38
4- 5	2- 38d
4- 10	2- 48a
1- 11a	1- 51
1- 12	1- 52
1- 16	3- 111c
* 1- 23a	2- 126
1- 24	2- 126a
2- 35	1- 212
40- 37a	



* † Pièces pour circuit non comprises dans la boîte

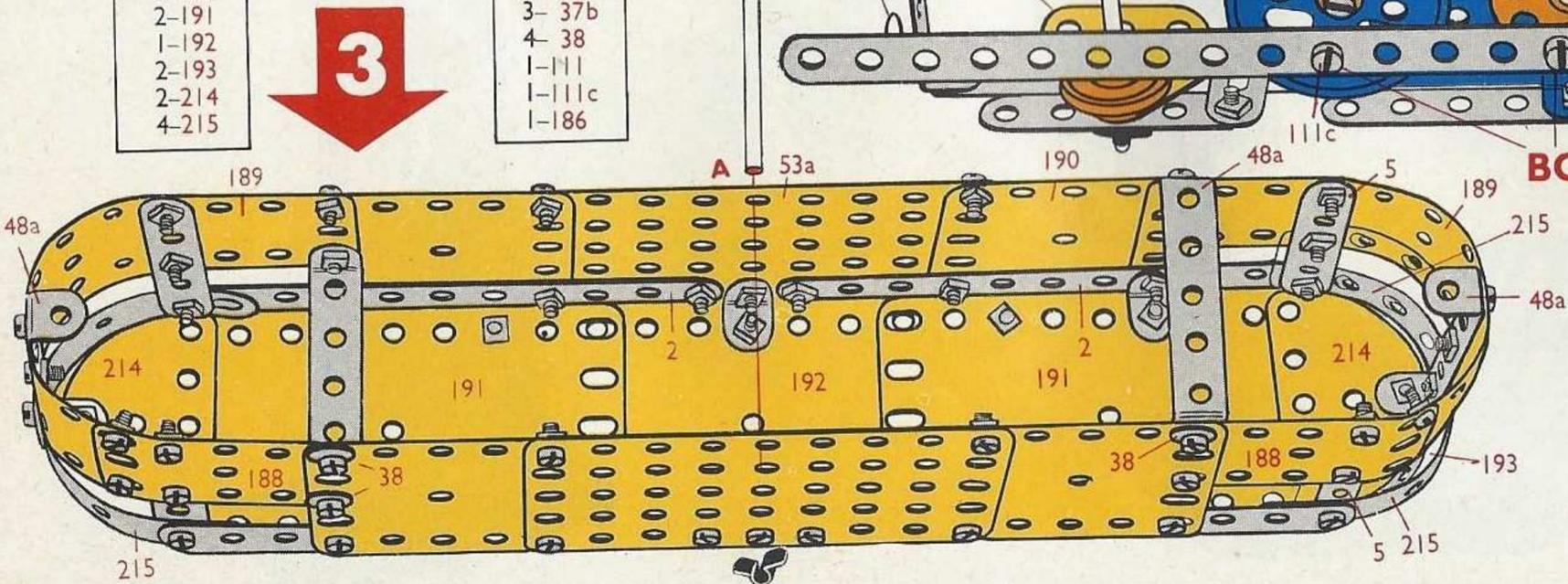
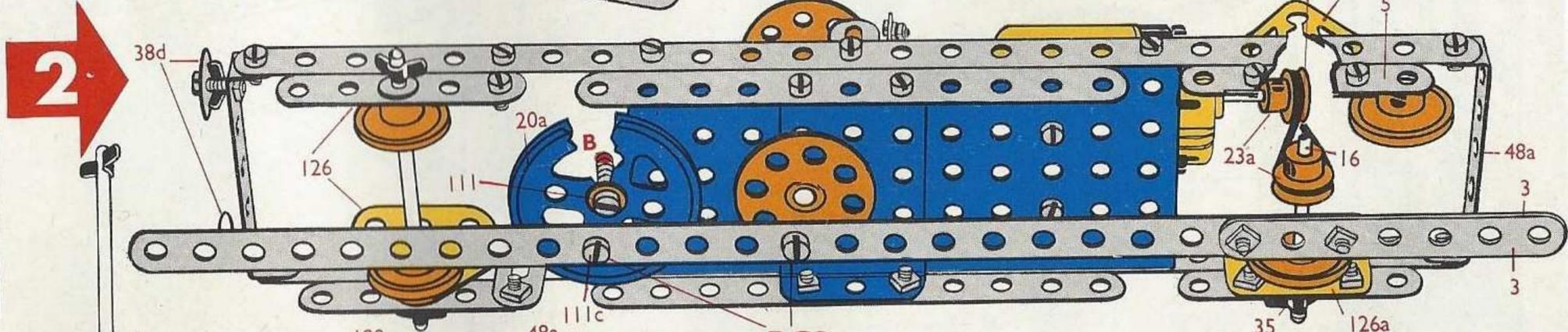


3- 1	* 1- 23a	1- 52	2- 191
6- 2	1- 23a	2- 53a	1- 192
2- 3	2- 24	1- 111	2- 193
8- 5	8- 35	4- 111c	1- 212
4- 10	106- 37a	2- 126	2- 214
1- 11a	96- 37b	2- 126a	4- 215
7- 12	13- 38	1- 186	* 1- M5
4- 16	2- 38d	2- 188	
1- 20a	6- 48a	2- 189	
4- 22	1- 51	4- 190	

* Non inclus dans la boîte

4- 2
4- 5
6- 12
1- 16
2- 35
60- 37a
60- 37b
8- 38
4- 48a
2- 53a
2- 188
2- 189
4- 190
2- 191
1- 192
2- 193
2- 214
4- 215

1- 1
2- 3
2- 16
1- 20a
4- 22
1- 23a
1- 24
4- 35
6- 37a
3- 37b
4- 38
1- 111
1- 111c
1- 186



Pièces pour circuit de 62cm non comprises dans la boîte

Pièces No	2a	7	9a	37a	37b	51
† Quantité	7	2	2	22	22	2

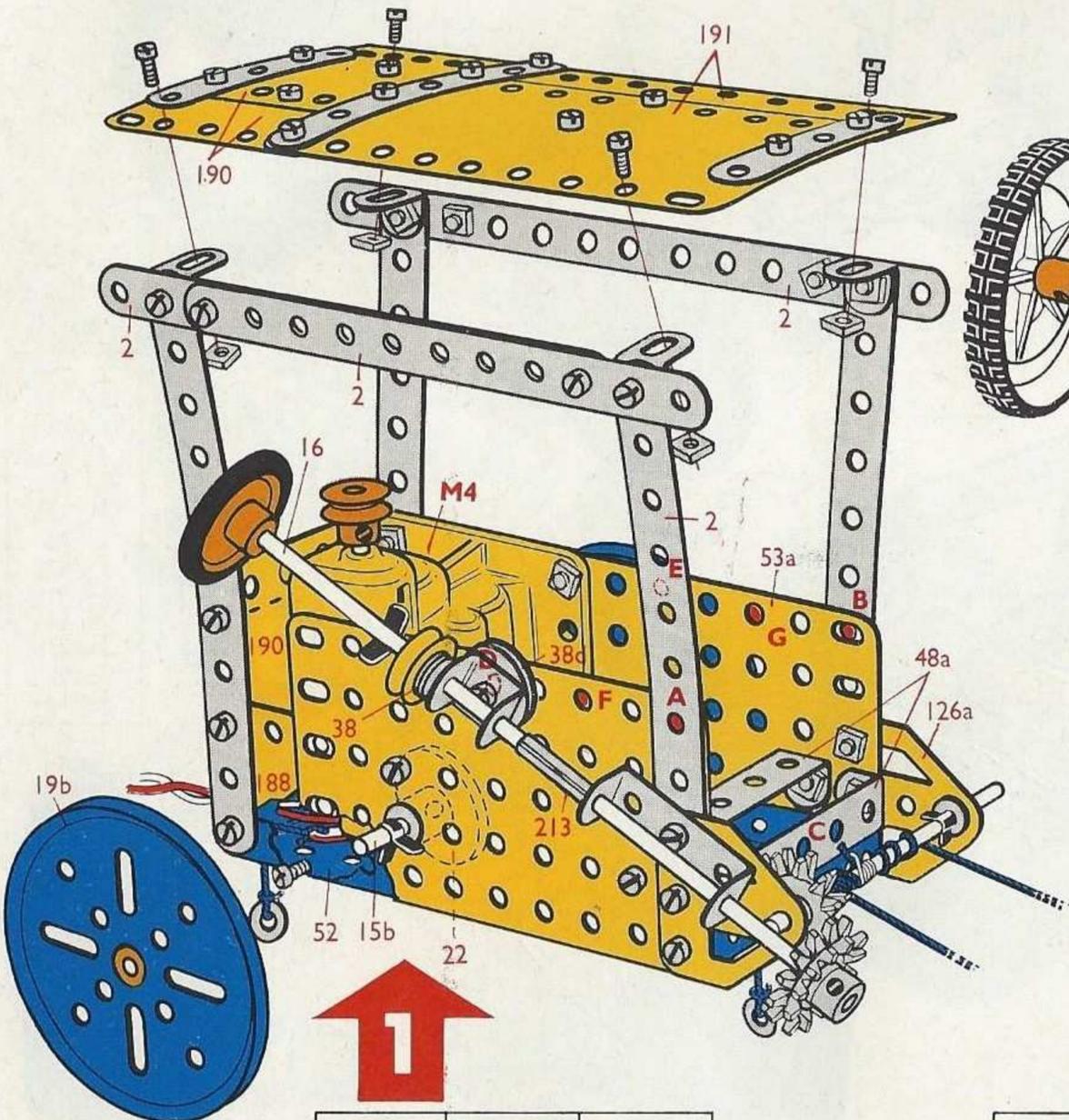
5.11

Tracteur à vapeur

8- 2	4- 22	2- 48	*1-186a
2- 3	2- 22a	6- 48a	1-186a
8- 5	1- 23	1- 52	2-187
2- 11	*1- 23a	2- 53a	2-188
1- 11a	1- 23a	1-111	3-190
10- 12	2- 24	2-111c	2-191
4- 12c	2- 27f	2-125	2-192
2- 15b	7- 35	2-126	1-194a
4- 16	97- 37a	2-126a	1-199
2- 17	85- 37b	1-142c	1-212
1- 18a	10- 38	1-155	*1-M4
2- 19b	2- 38d	1-176	
1- 20a	1- 40	1-186	

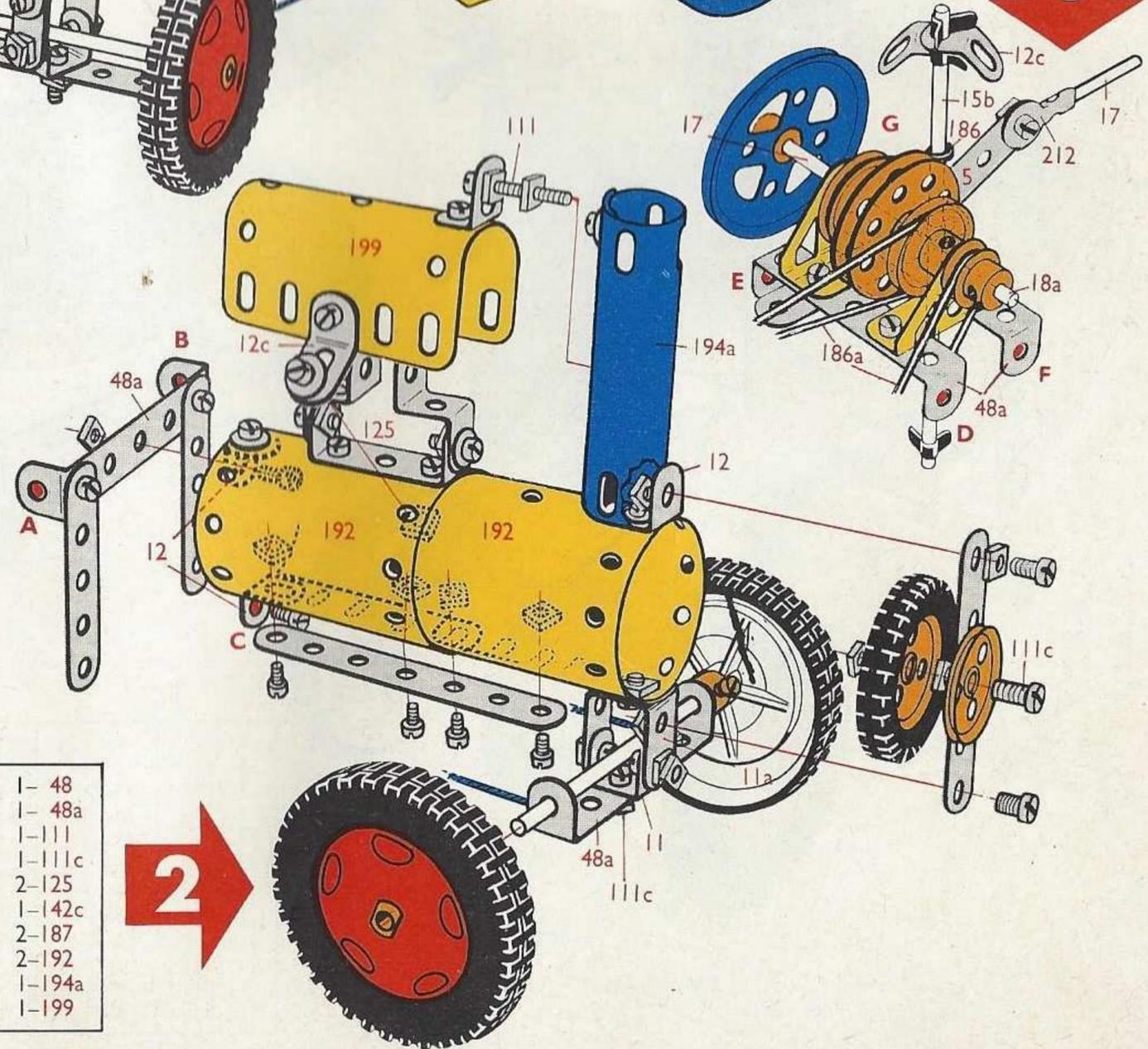
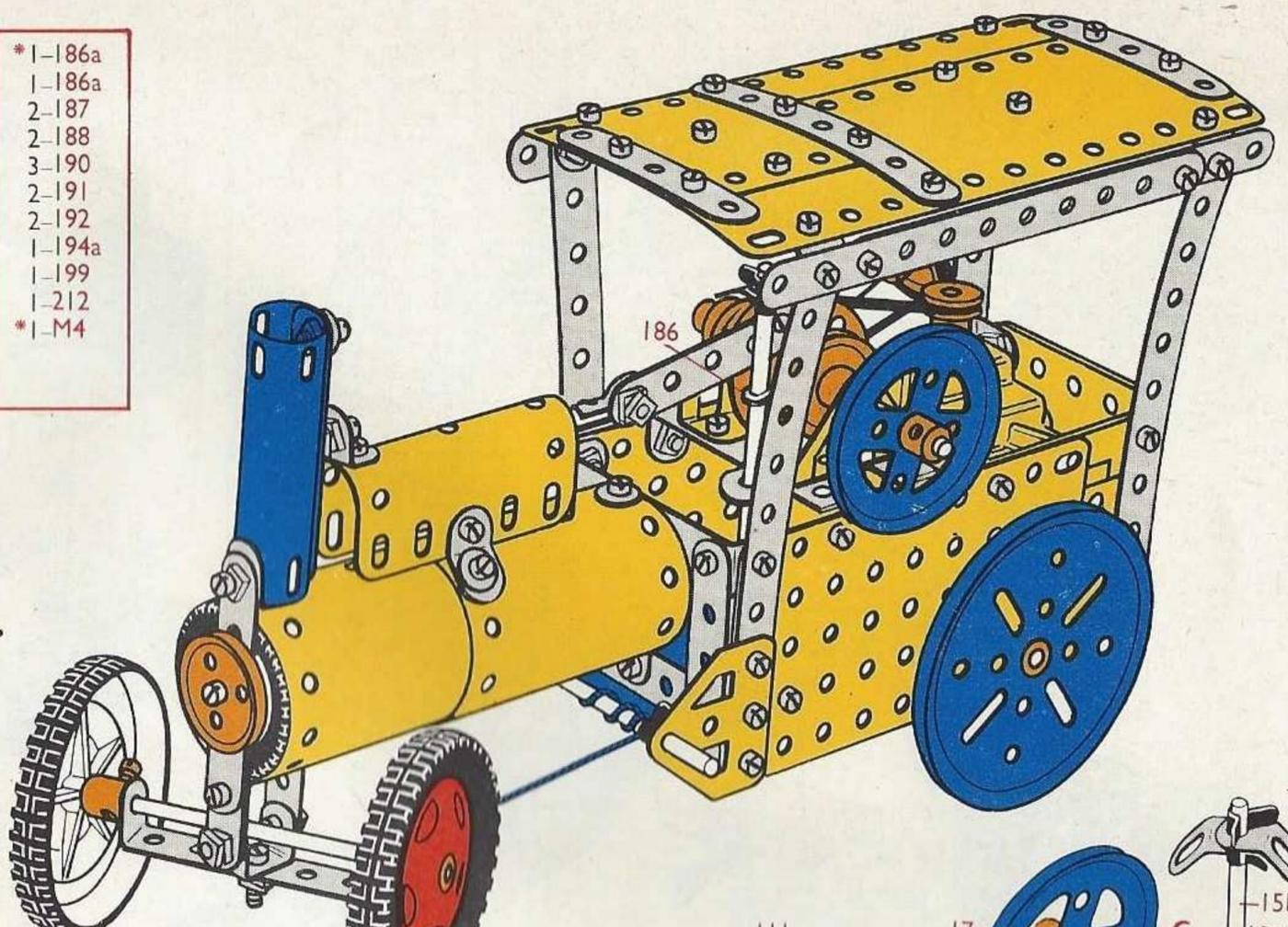
* Non inclus dans la boîte

2- 5
2- 12c
1- 15b
2- 17
1- 18a
1- 20a
2- 22
*1- 23a
2- 24
3- 35
13- 37a
9- 37b
2- 48a
1-111c
2-126
1-186
*1-186a
1-186a
1-212



8- 2	1- 23a	1- 52
1- 3	2- 27f	2- 53a
3- 5	4- 35	2-126a
1- 11	52- 37a	1-155
6- 12	52- 37b	1-176
1- 15b	10- 38	2-188
3- 16	2- 38d	3-190
2- 19b	1- 40	2-191
2- 22	1- 48	
1- 23	2- 48a	

1- 3	1- 48
3- 5	1- 48a
1- 11	1-111
1- 11a	1-111c
4- 12	2-125
2- 12c	1-142c
1- 16	2-187
2- 22a	2-192
32- 37a	1-194a
24- 37b	1-199



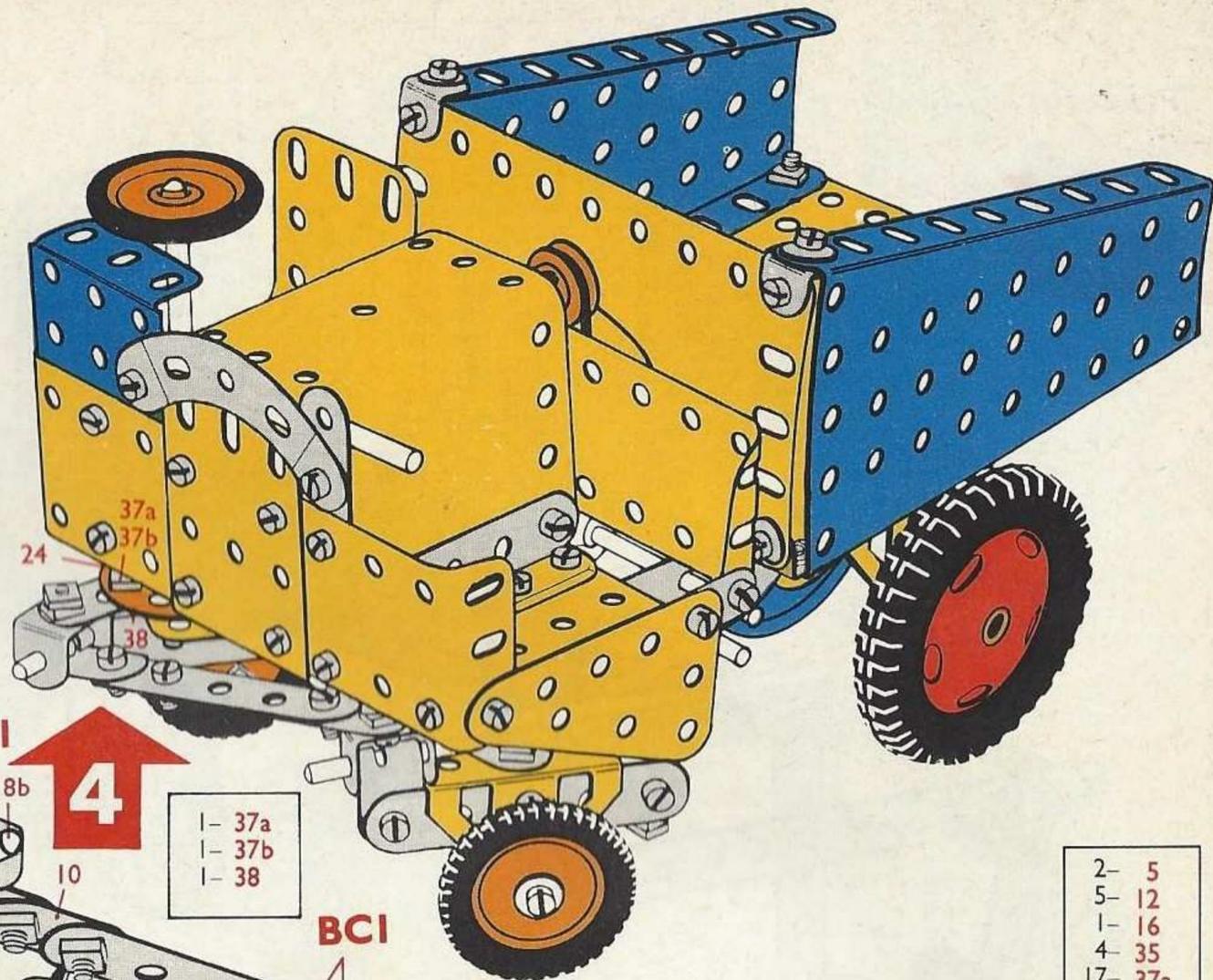
5.12

Chargeuse

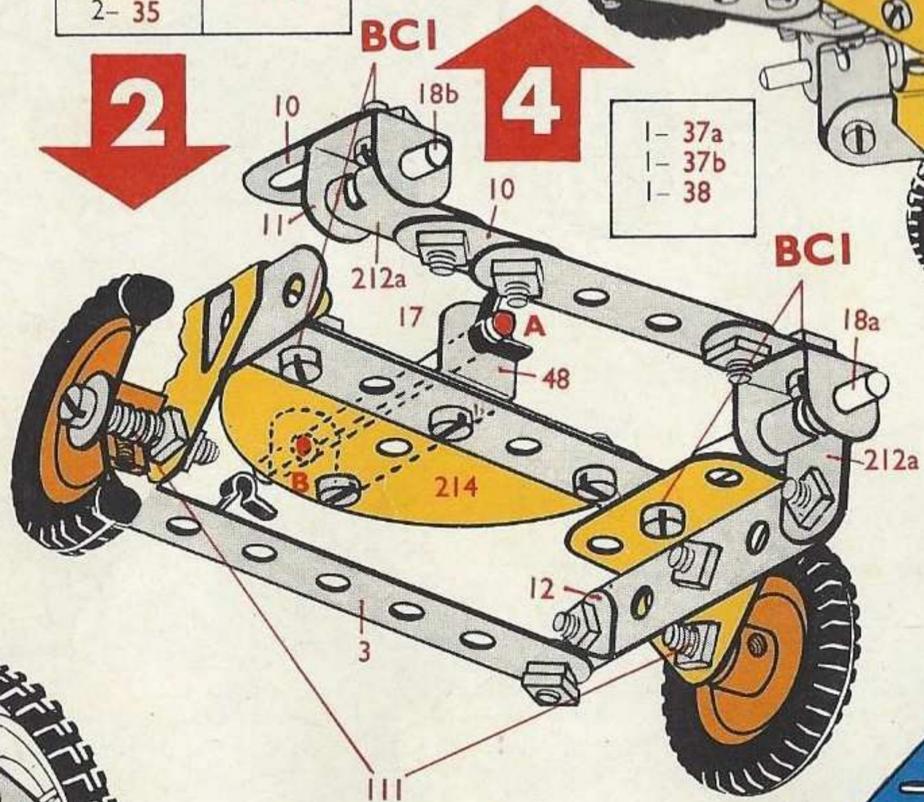
2- 2	1- 20a	6- 48a	*1-186b
2- 3	4- 22	1- 51	2-187
9- 5	2- 22a	2- 53a	2-188
4- 10	1- 23	2- 54	2-189
2- 11	*1- 23a	4- 90a	2-191
1- 11a	1- 23a	2-111	1-192
10- 12	2- 24	5-111c	1-212
2- 15b	15- 35	2-125	2-212a
4- 16	91- 37a	2-126	2-214
1- 17	79- 37b	2-126a	2-221
1- 18a	14- 38	2-142c	2-221
1- 18b	2- 48	1-155	*1-M4

* Non inclus dans la boîte

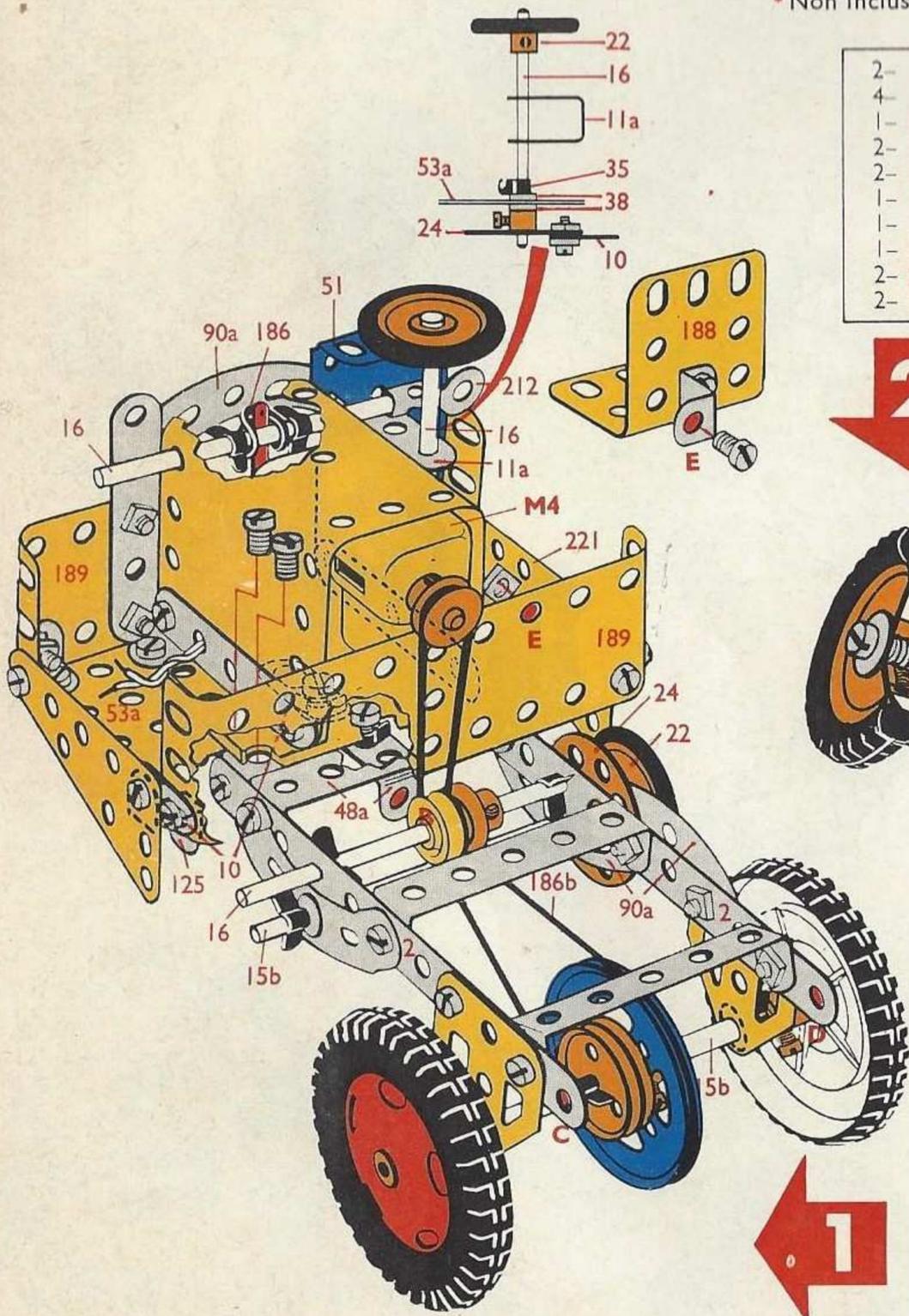
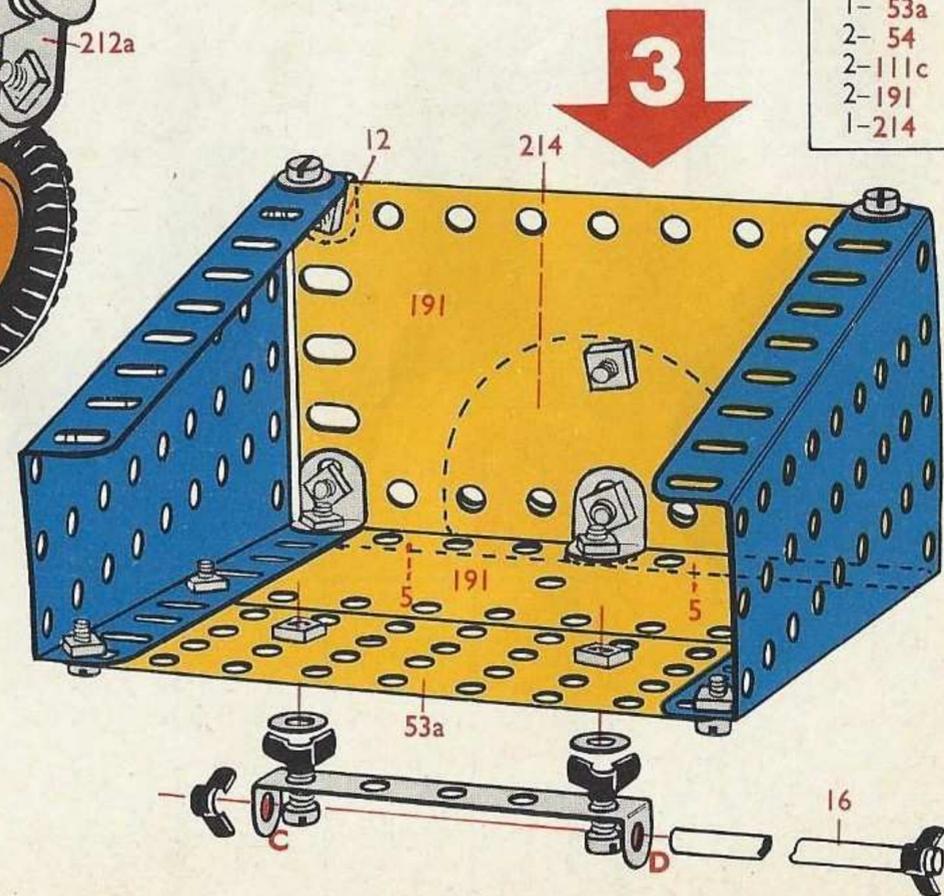
2- 3	25- 37a
4- 5	17- 37b
1- 10	2- 38
2- 11	1- 48
2- 12	2-111
1- 17	2-126
1- 18a	2-142c
1- 18b	2-212a
2- 22	1-214
2- 35	



2- 5
5- 12
1- 16
4- 35
17- 37a
15- 37b
6- 38
1- 48a
1- 53a
2- 54
2-111c
2-191
1-214

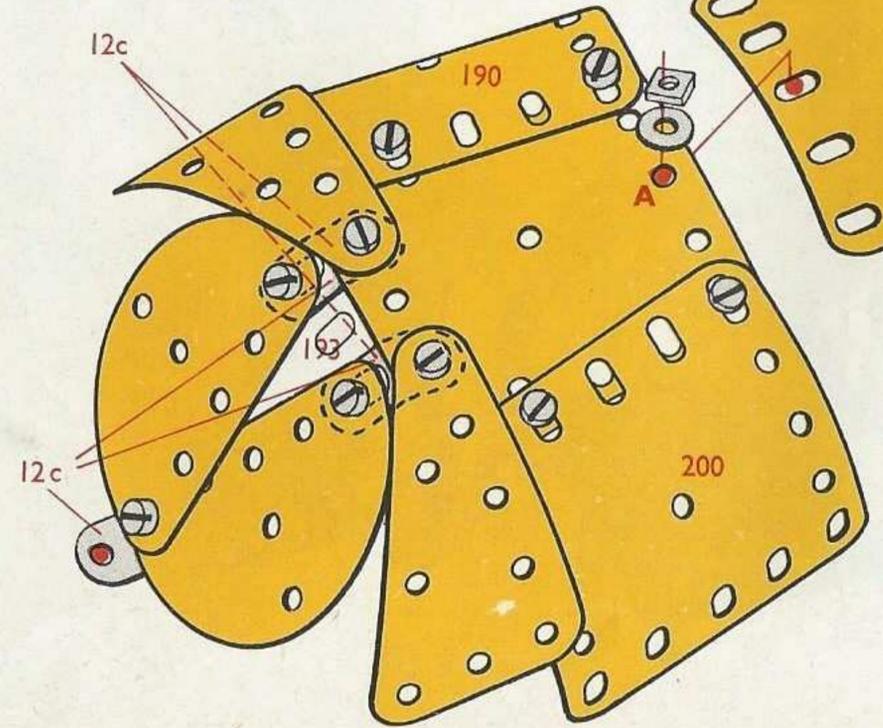
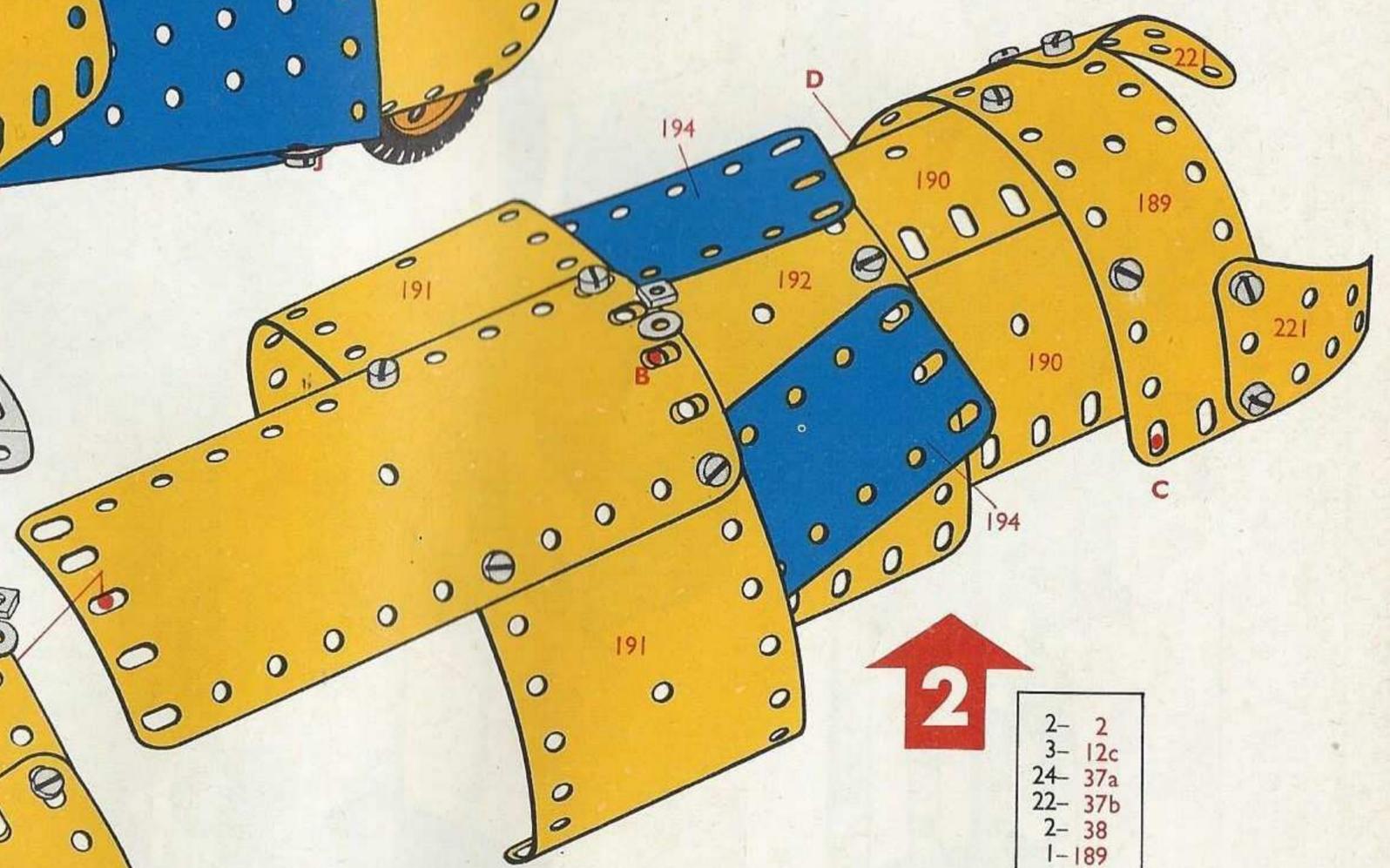
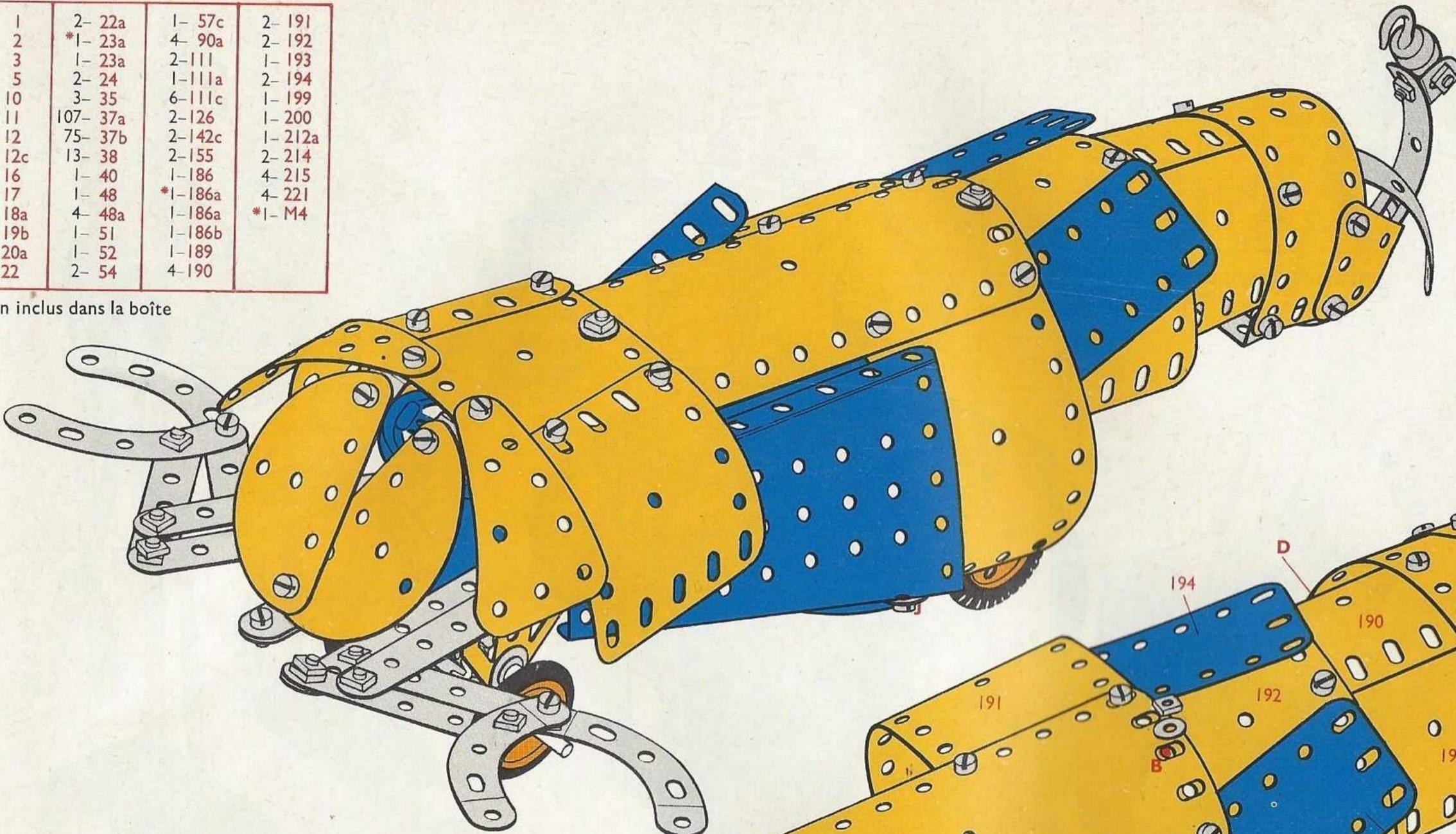


2- 2	1- 23a	2-125
3- 5	2- 24	2-126a
3- 10	9- 35	1-155
1- 11a	48- 37a	*1-186b
3- 12	46- 37b	2-187
2- 15b	6- 38	2-188
3- 16	1- 48	2-189
1- 20a	5- 48a	1-192
2- 22	1- 51	1-212
2- 22a	1- 53a	2-221
1- 23	4- 90a	
*1- 23a	3-111c	



1- 1	2- 22a	1- 57c	2- 191
8- 2	*1- 23a	4- 90a	2- 192
2- 3	1- 23a	2- 111	1- 193
8- 5	2- 24	1- 111a	2- 194
4- 10	3- 35	6- 111c	1- 199
1- 11	107- 37a	2- 126	1- 200
4- 12	75- 37b	2- 142c	1- 212a
3- 12c	13- 38	2- 155	2- 214
3- 16	1- 40	1- 186	4- 215
1- 17	1- 48	*1- 186a	4- 221
1- 18a	4- 48a	1- 186a	*1- M4
2- 19b	1- 51	1- 186b	
1- 20a	1- 52	1- 189	
4- 22	2- 54	4- 190	

* Non inclus dans la boîte



2- 2
3- 12c
24- 37a
22- 37b
2- 38
1- 189
4- 190
2- 191
2- 192
1- 193
2- 194
1- 200
2- 214
4- 221

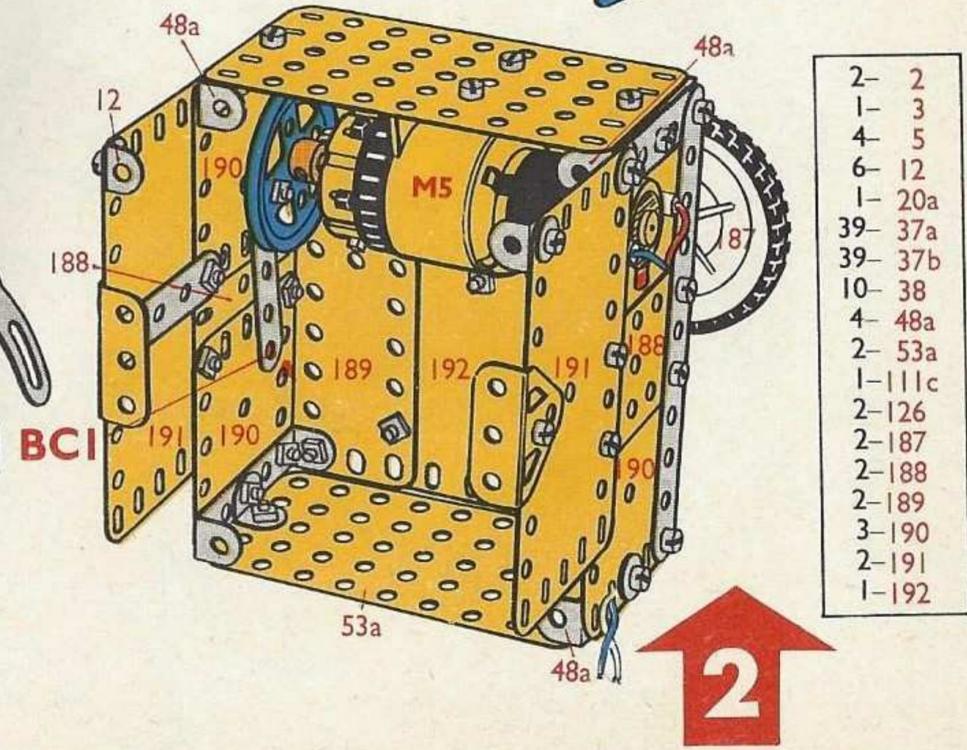
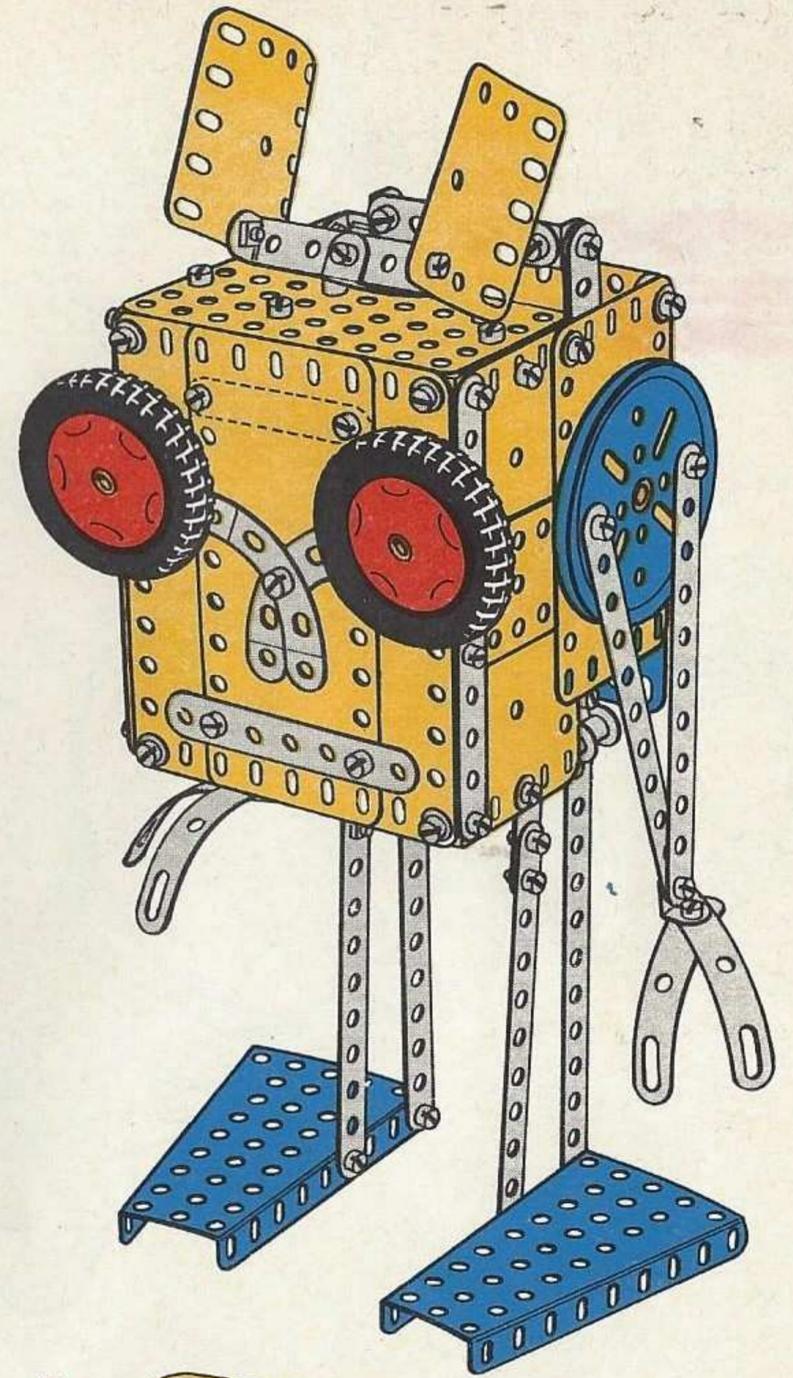
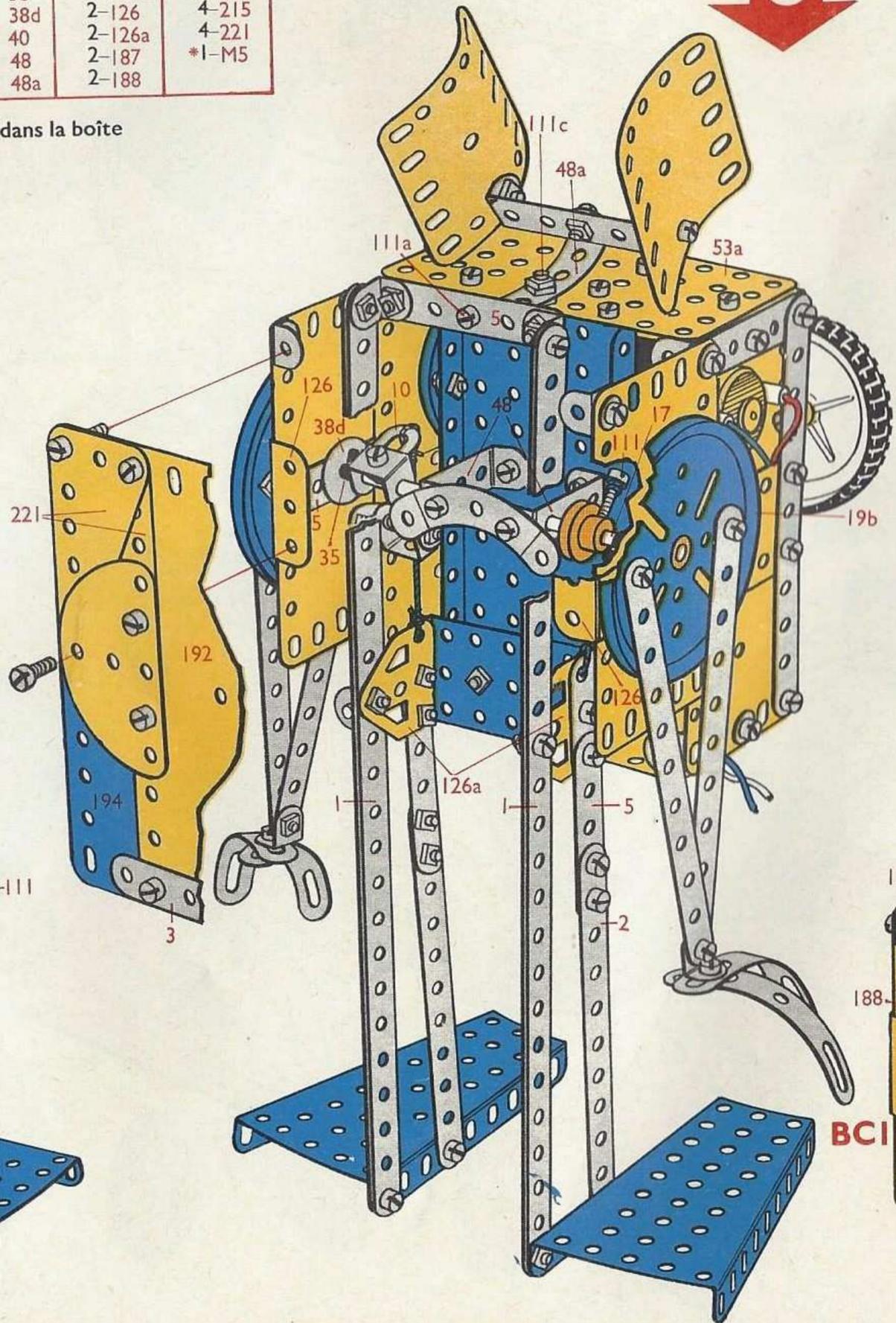
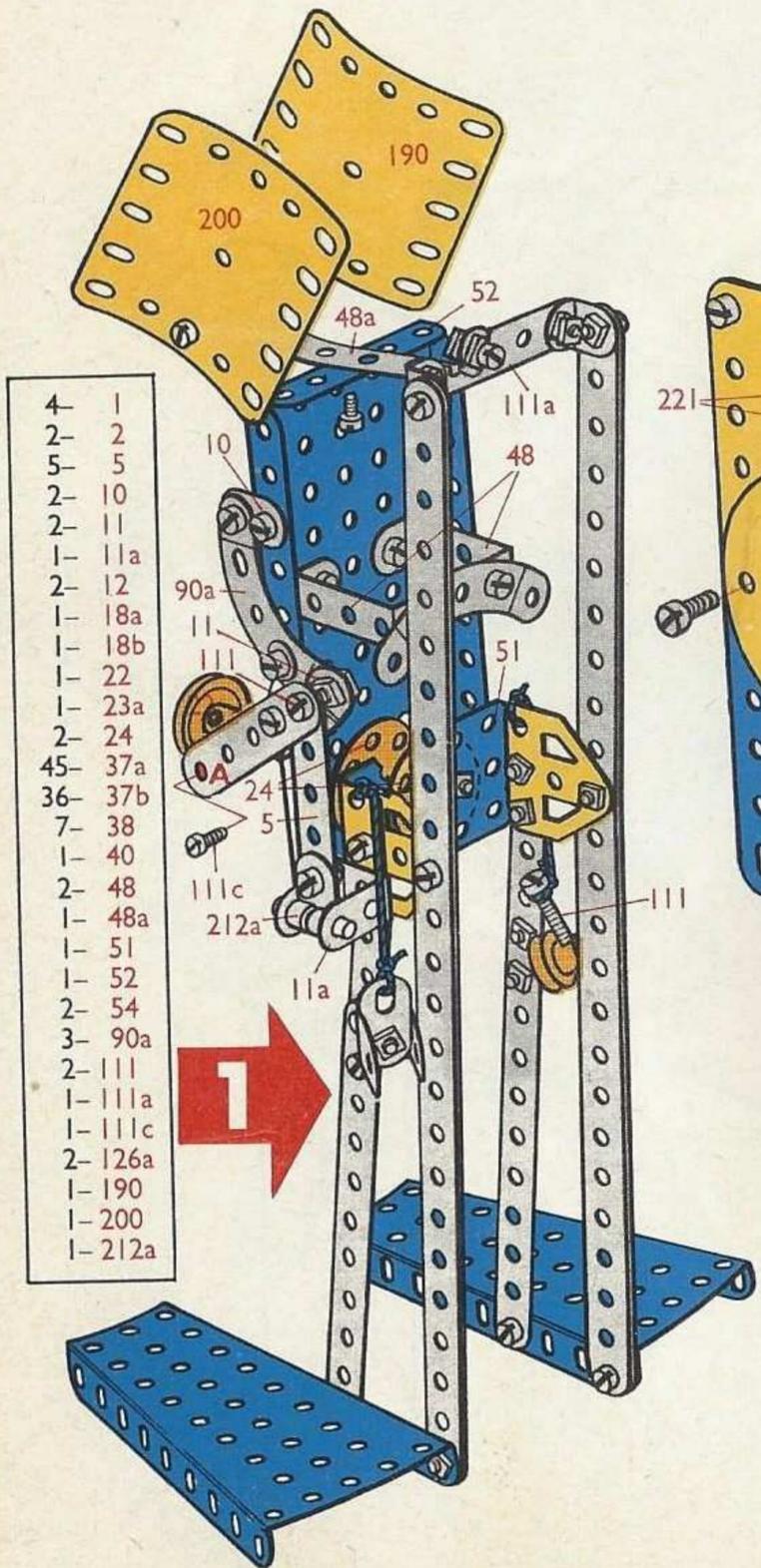
5.15

Martien

4- 1	1- 20a	1- 51	2-189
8- 2	1- 22	1- 52	4-190
2- 3	1- 23a	2- 53a	2-191
9- 5	2- 24	2- 54	2-192
2-10	2- 35	3- 90a	2-194a
2-11	105-37a	2-111	1-200
1-11a	94- 37b	1-111a	1-212a
10-12	17- 38	4-111c	2-214
2-17	2- 38d	2-126	4-215
1-18a	1- 40	2-126a	4-221
1-18b	2- 48	2-187	*1-M5
2-19b	6- 48a	2-188	

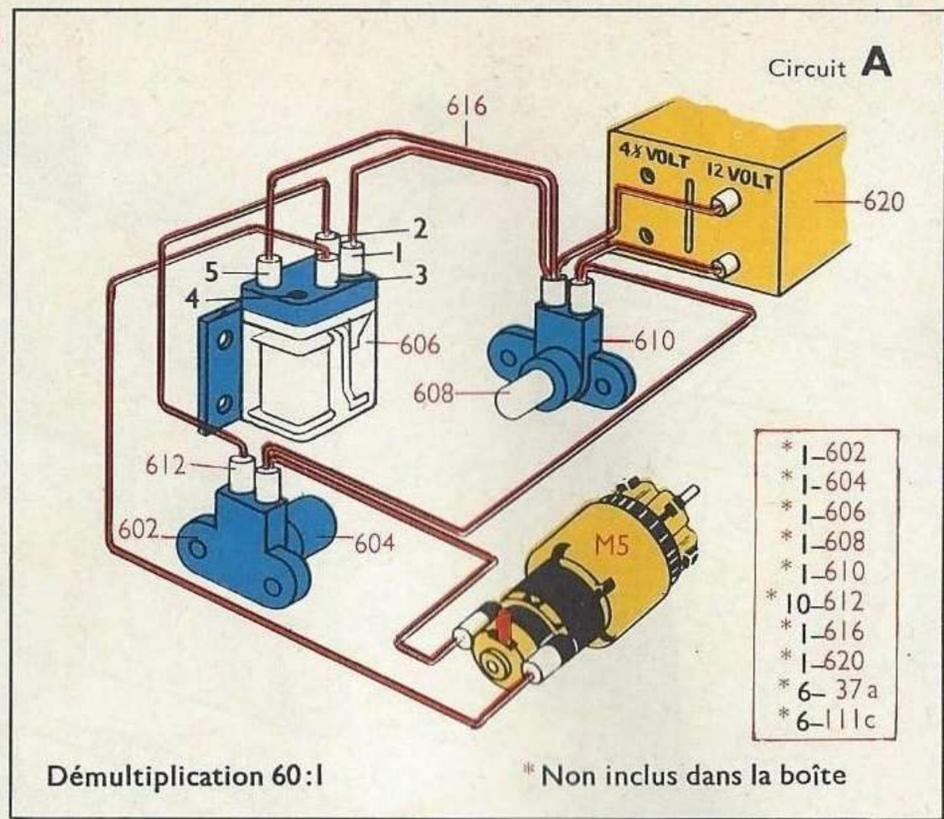
4- 2	2- 38d
1- 3	2-111c
2-12	1-192
2-17	2-194a
2-19b	2-214
2-35	4-215
21-37a	4-221
19-37b	

* Non inclus dans la boîte



ELECTRONIQUE 5.16

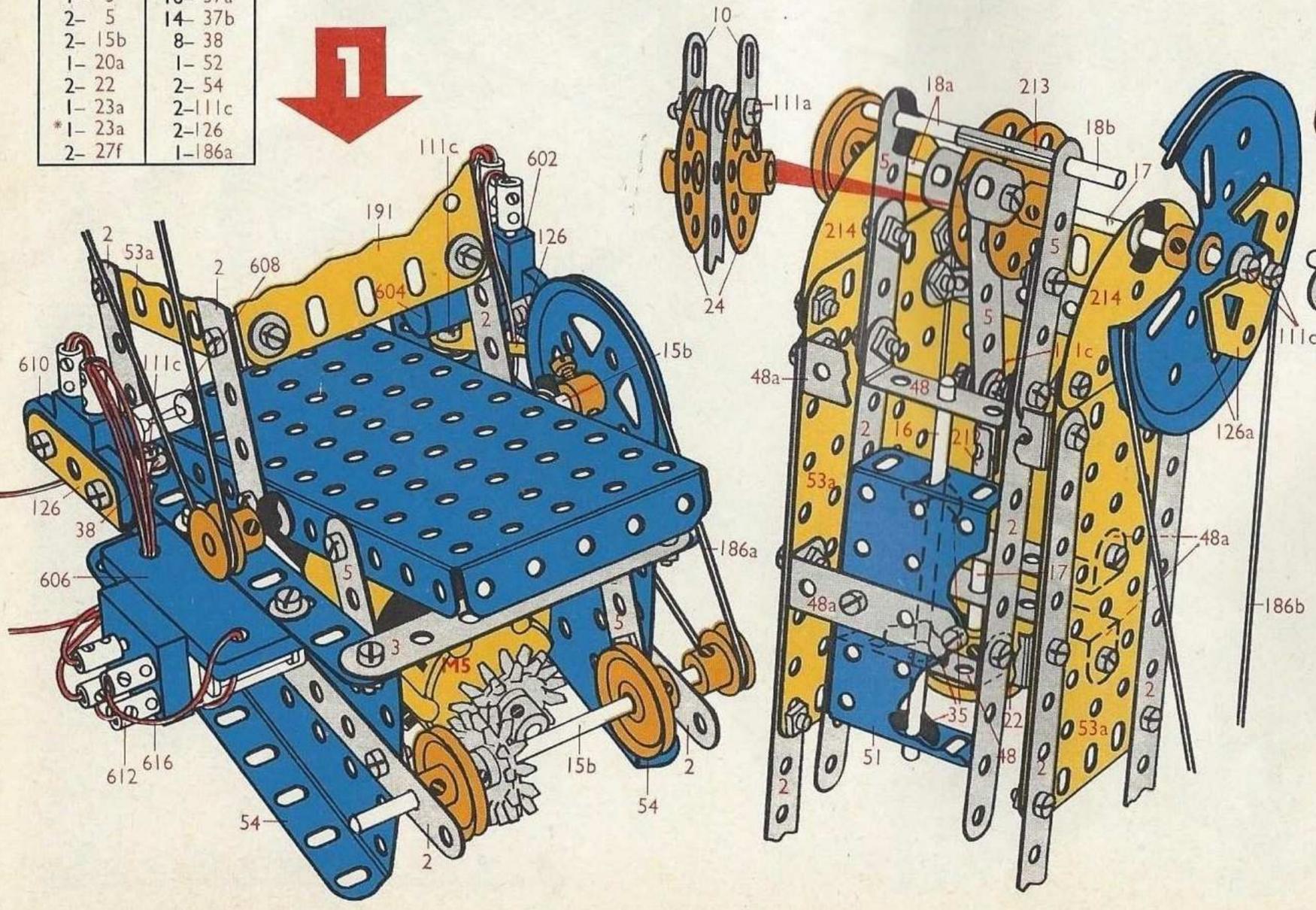
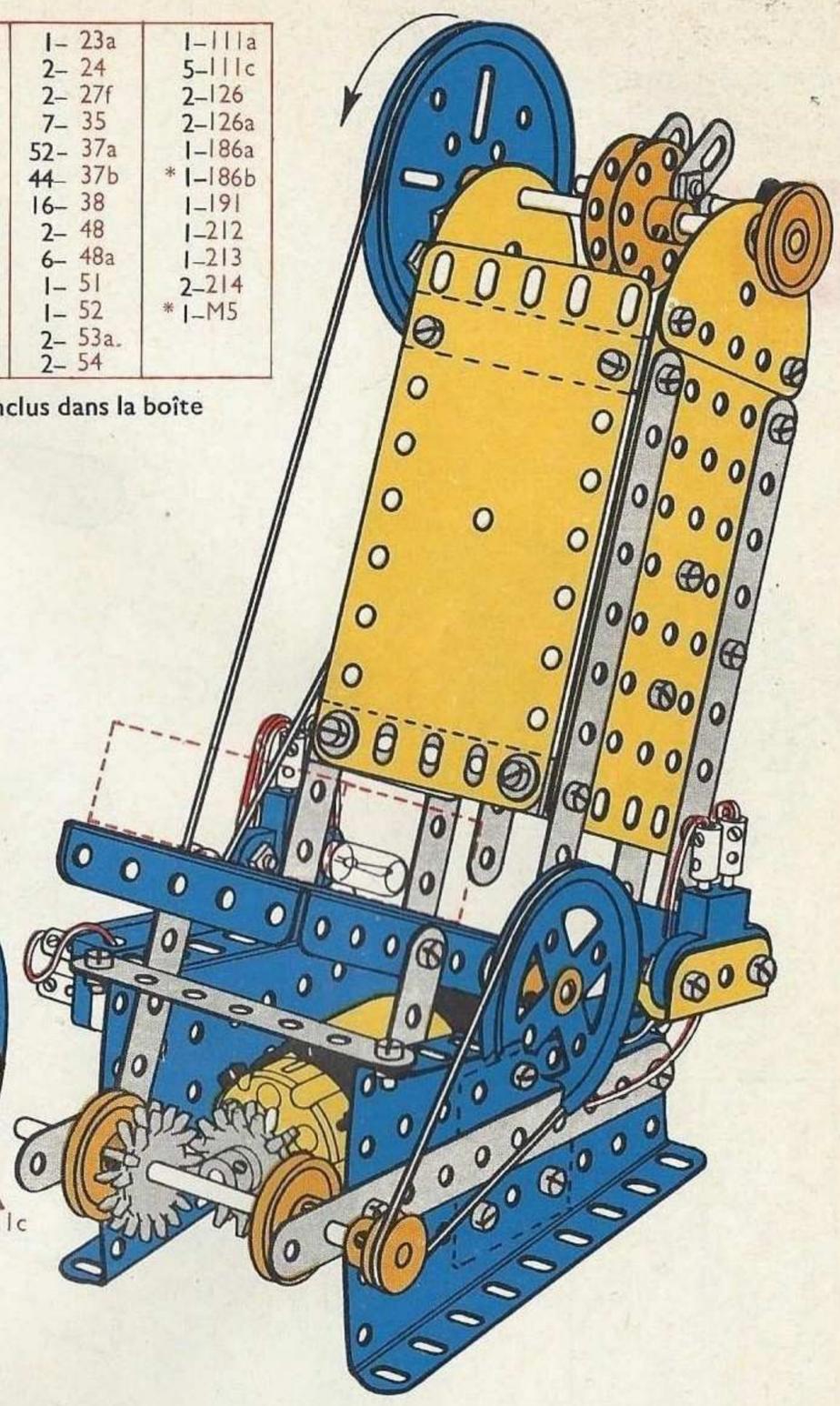
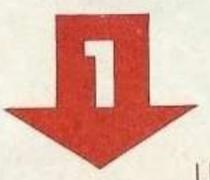
Presse automatique



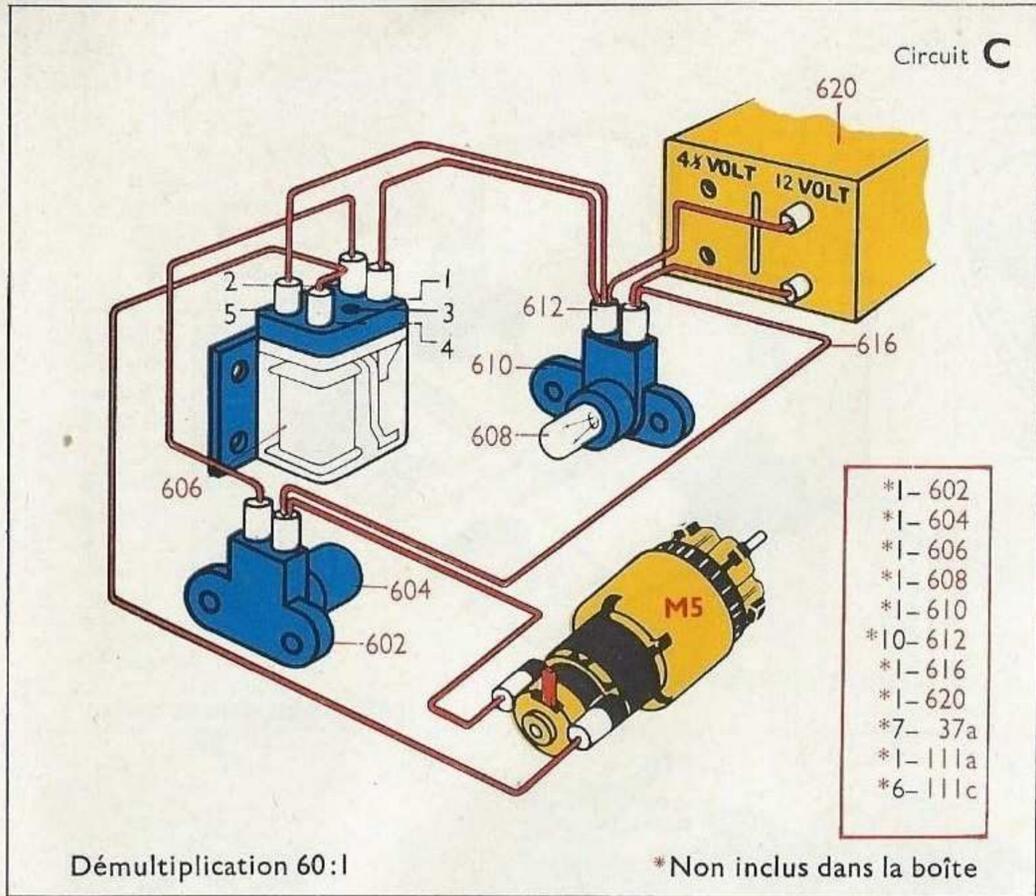
8- 2	1- 23a	1-111a
1- 3	2- 24	5-111c
5- 5	2- 27f	2-126
2- 10	7- 35	2-126a
2- 15b	52- 37a	1-186a
1- 16	44- 37b	* 1-186b
2- 17	16- 38	1-191
2- 18a	2- 48	1-212
1- 18b	6- 48a	1-213
1- 19b	1- 51	2-214
1- 20a	1- 52	* 1-M5
4- 22	2- 53a	
* 1- 23a	2- 54	

* Non inclus dans la boîte

2- 2	2- 35
1- 3	16- 37a
2- 5	14- 37b
2- 15b	8- 38
1- 20a	1- 52
2- 22	2- 54
1- 23a	2-111c
* 1- 23a	2-126
2- 27f	1-186a

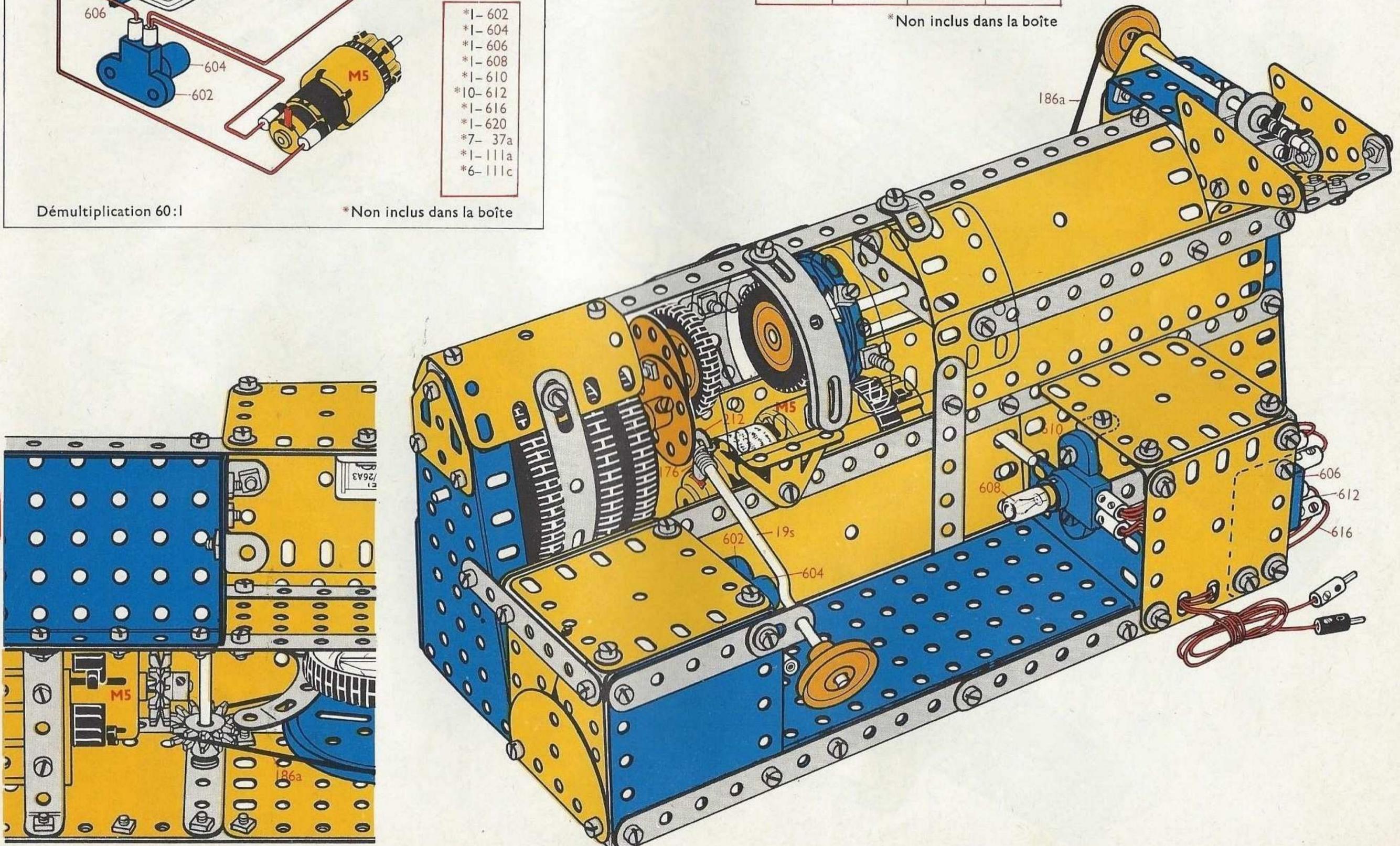


6- 2	2- 24	1-111a
3- 5	5- 35	3-111c
2- 10	29- 37a	2-126a
1- 16	22- 37b	1-186b
1- 17	8- 38	1-191
2- 18a	2- 48	1-212
1- 18b	6- 48a	1-213
1- 19b	1- 51	2-214
2- 22	2- 53a	



4- 1	1- 23	2- 90a	2- 193
8- 2	1- 23a	2- 111	2- 193a
2- 3	2- 24	2- 111c	2- 194
8- 5	2- 27f	2- 126	2- 194a
2- 10	3- 35	2- 126a	1- 199
1- 11	99- 37a	2- 142c	1- 212
10- 12	95- 37b	1- 176	2- 212a
1- 12c	18- 38	1- 186a	1- 213
2- 15b	1- 38d	*1- 186a	2- 214
4- 16	2- 48	4- 187	4- 215
1- 19b	6- 48a	2- 188	4- 221
1- 19s	1- 51	2- 189	*1- M5
1- 20a	1- 52	4- 190	
4- 22	2- 53a	2- 191	
1- 22a	2- 54	2- 192	

*Non inclus dans la boîte

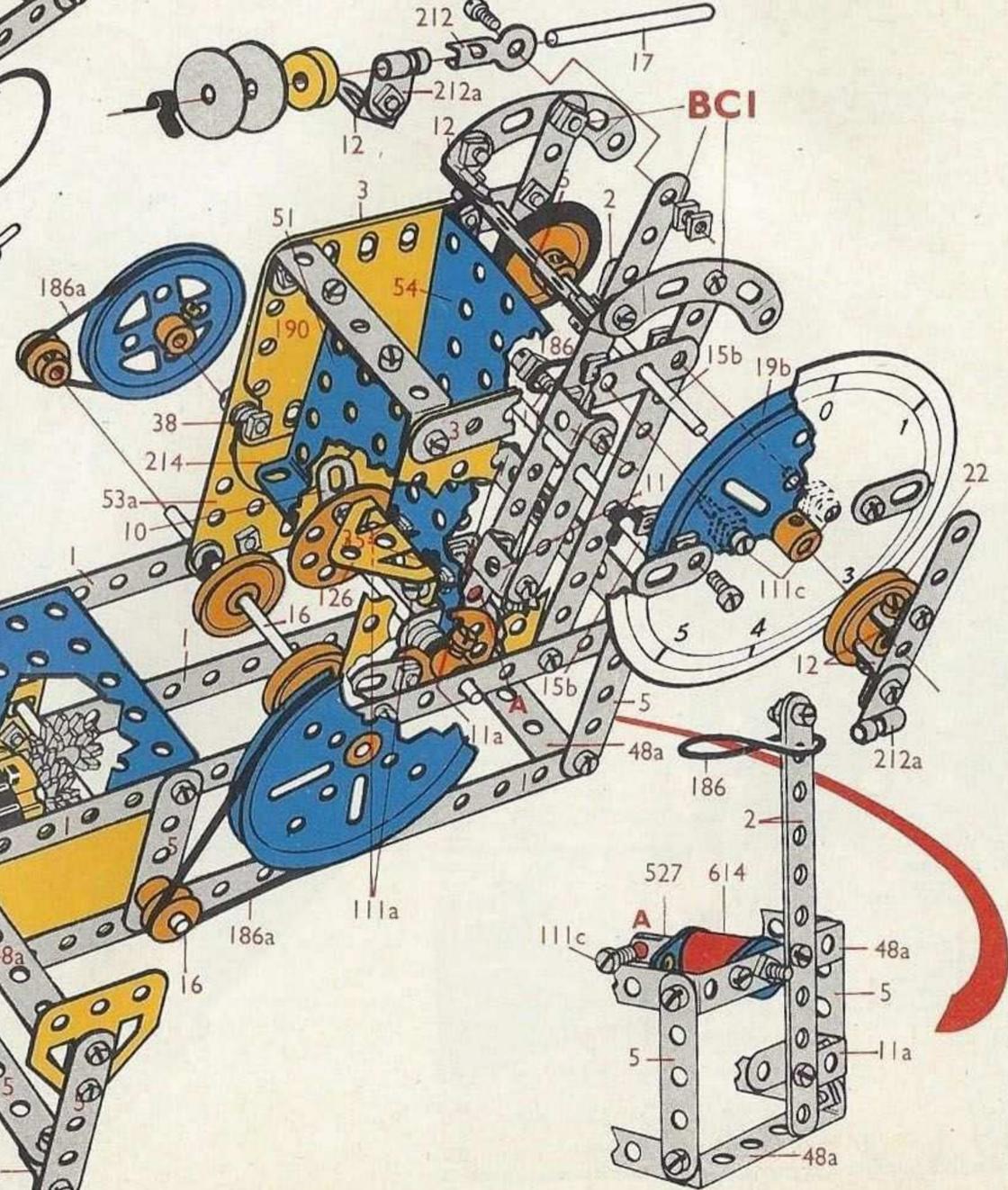
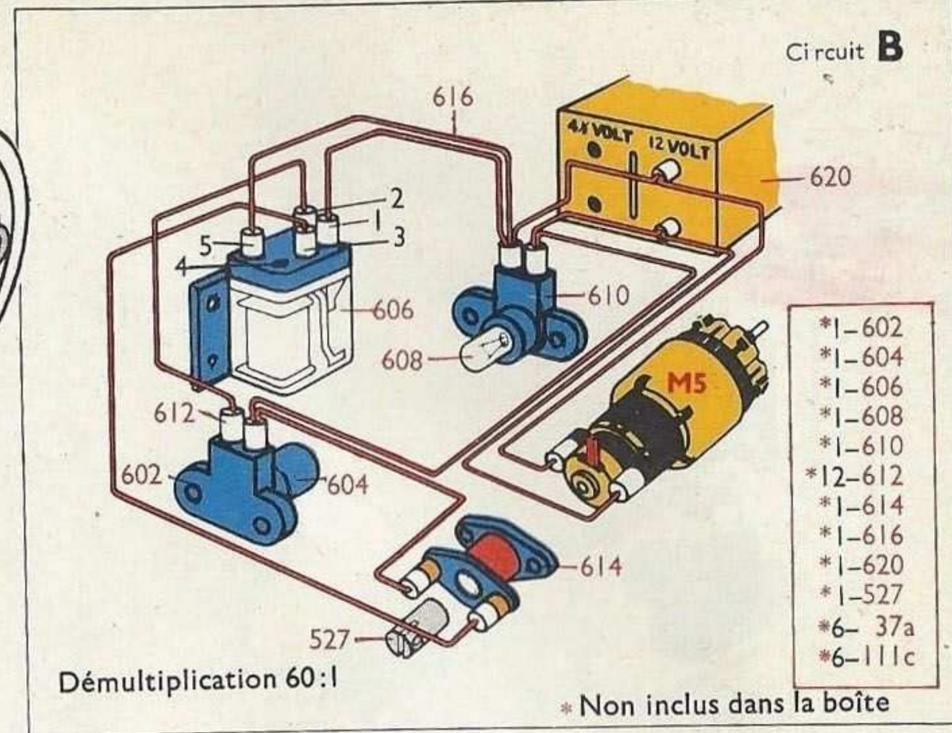
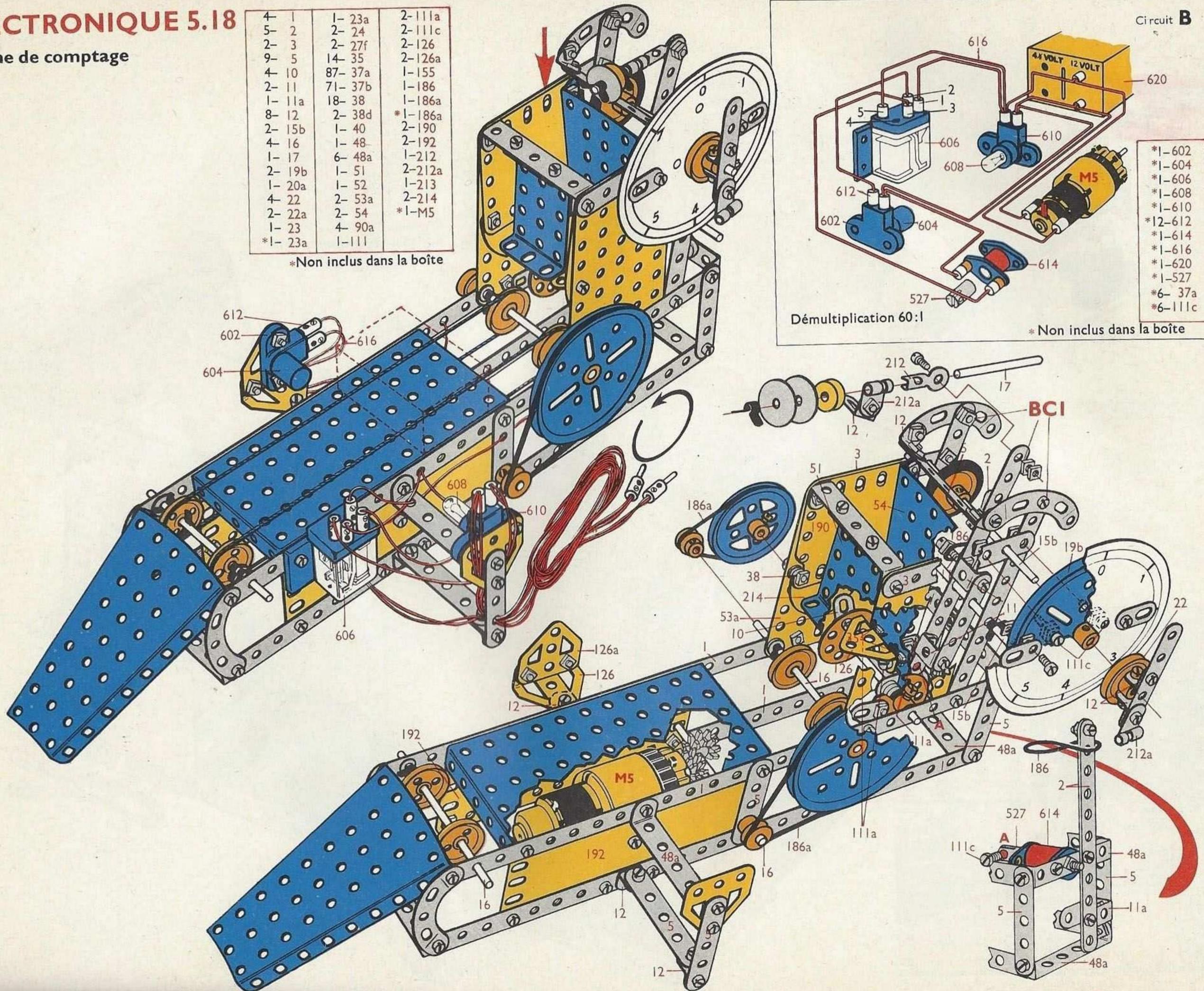


ELECTRONIQUE 5.18

Chaîne de comptage

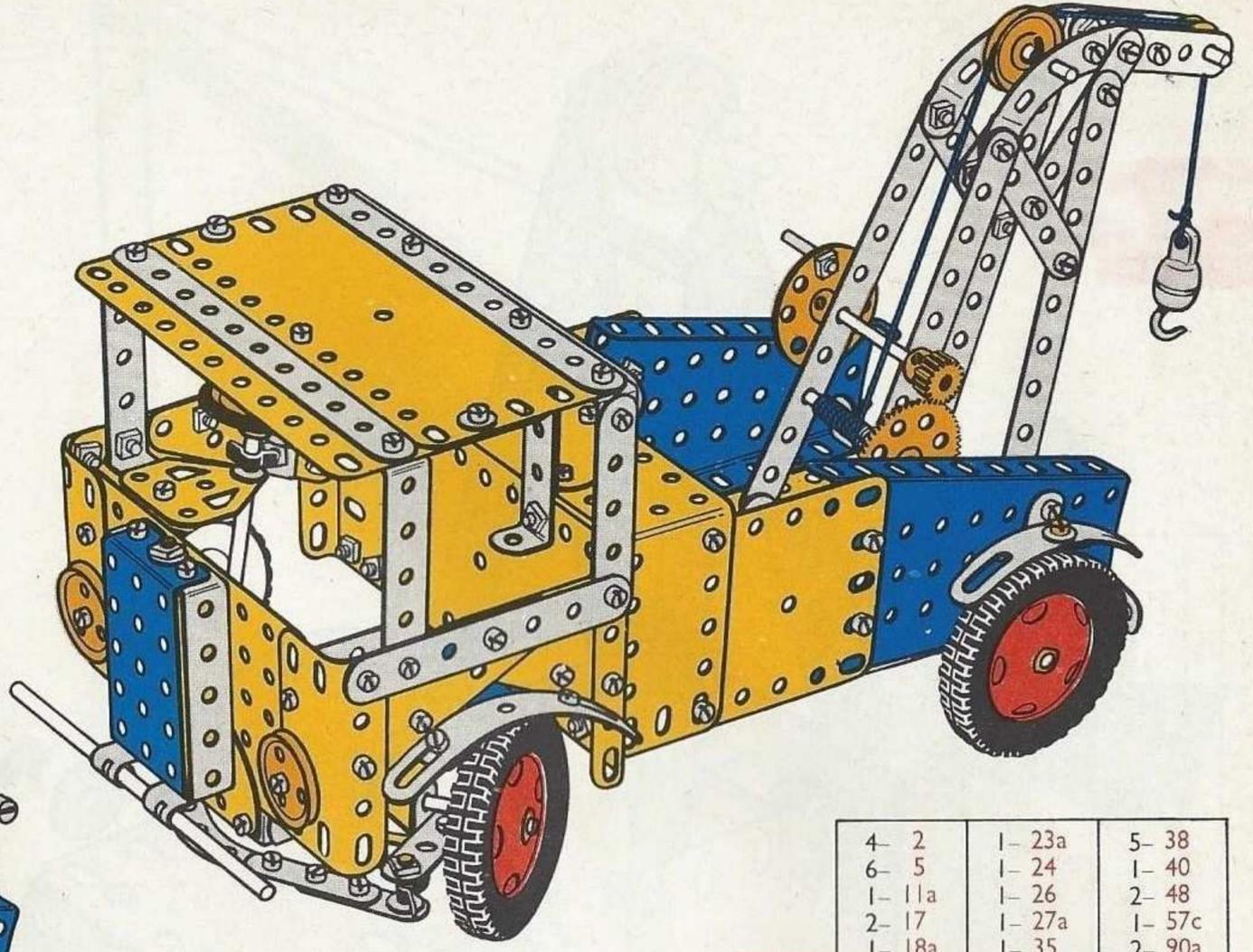
4- 1	1- 23a	2-111a
5- 2	2- 24	2-111c
2- 3	2- 27f	2-126
9- 5	14- 35	2-126a
4-10	87- 37a	1-155
2-11	71- 37b	1-186
1-11a	18- 38	1-186a
8-12	2- 38d	*1-186a
2-15b	1- 40	2-190
4-16	1- 48	2-192
1-17	6- 48a	1-212
2-19b	1- 51	2-212a
1-20a	1- 52	1-213
4-22	2- 53a	2-214
2-22a	2- 54	*1-M5
1-23	4- 90a	
*1-23a	1-111	

*Non inclus dans la boîte

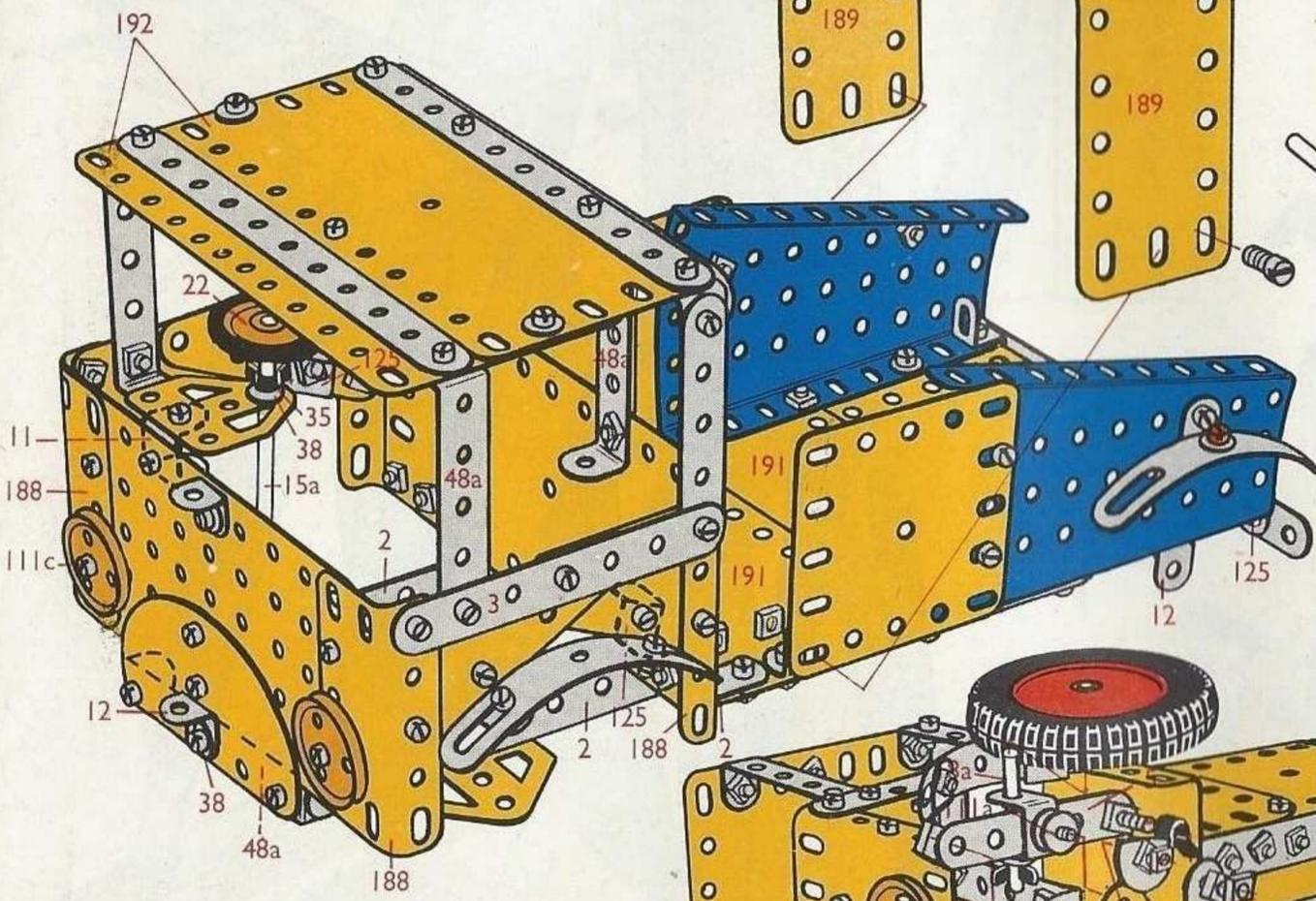


6.1.
Camion de dépannage

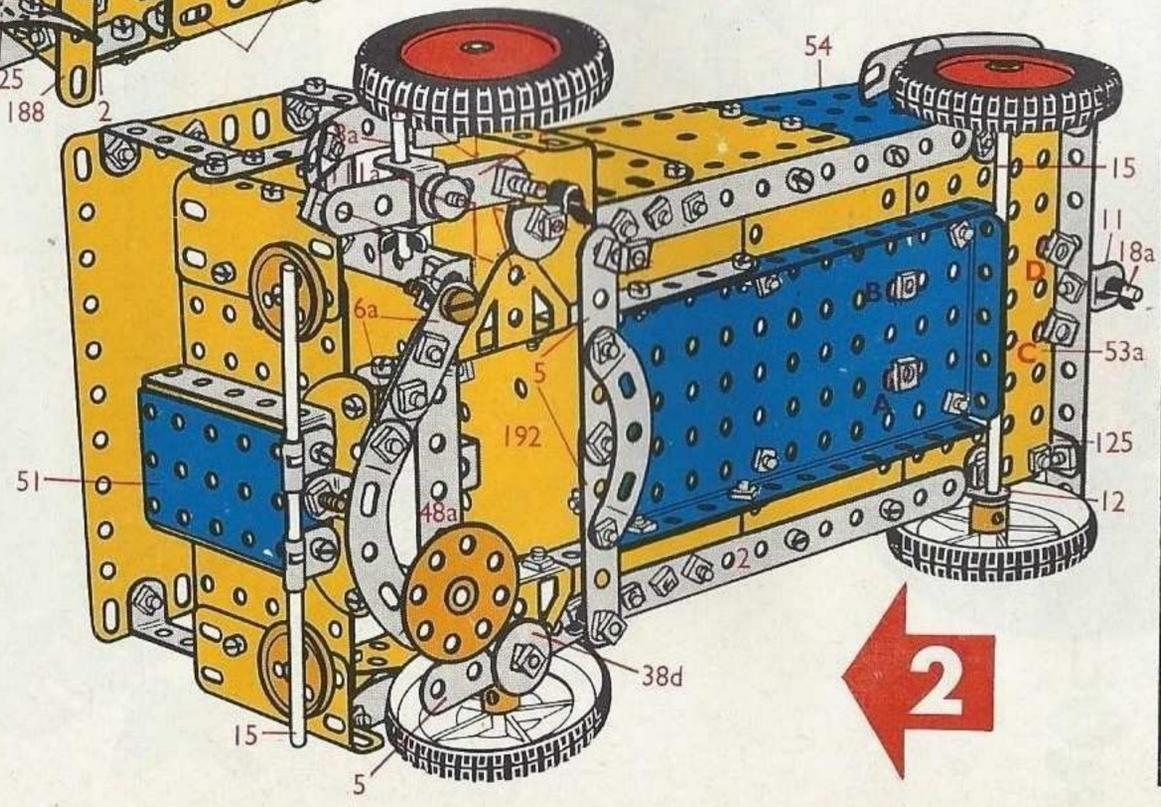
14- 2	2- 22a	1- 52	1-176
2- 3	1- 23a	2- 53a	4-187
12- 5	2- 24	2- 54	4-188
2- 6a	1- 26	1- 57c	2-189
4- 11	1- 27a	1- 80c	3-190
1- 11a	9- 35	4- 90a	2-191
12- 12	144- 37a	2-111a	3-192
2- 12a	128- 37b	4-111c	2-212a
2- 15	21- 38	1-115	2-214
1- 15a	2- 38d	4-125	4-215
2- 17	1- 40	2-126	4-221
3- 18a	2- 48	1-126a	
1- 18b	8- 48a	1-147b	
2- 22	1- 51	1-155	



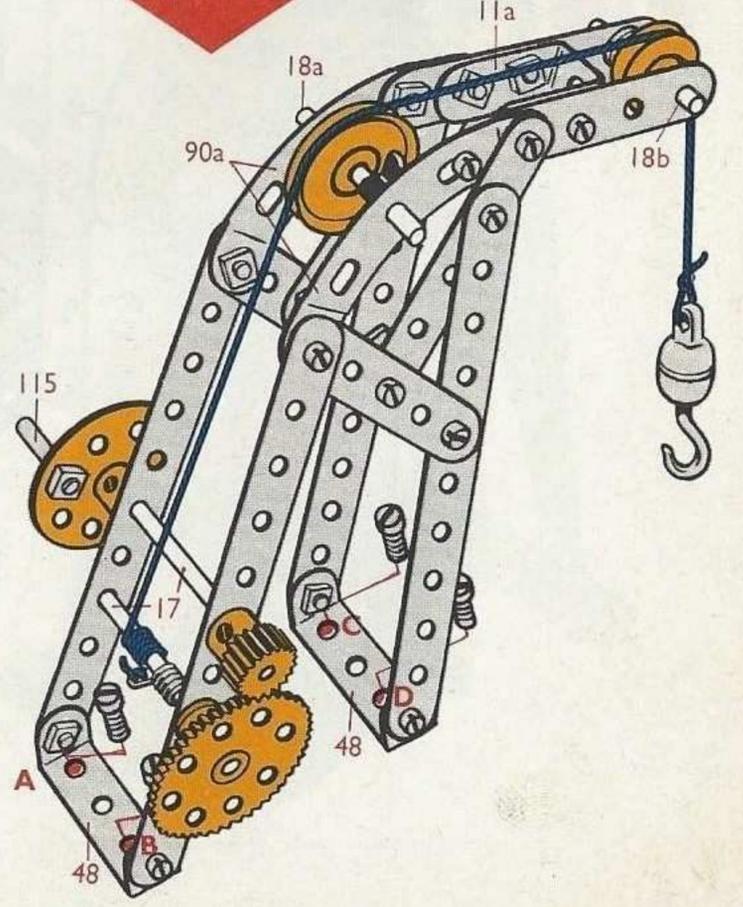
4- 2	1- 23a	5- 38
6- 5	1- 24	1- 40
1- 11a	1- 26	2- 48
2- 17	1- 27a	1- 57c
1- 18a	1- 35	2- 90a
1- 18b	22- 37a	1-115
1- 22	22- 37b	1-176



10- 2	2- 53a
2- 3	2- 54
2- 5	2-111c
1- 11	4-125
12- 12	1-126a
2- 12a	1-155
1- 15a	4-188
1- 22	2-189
2- 22a	3-190
1- 35	2-191
96- 37a	3-192
94- 37b	2-214
9- 38	4-215
6- 48a	4-221
1- 52	

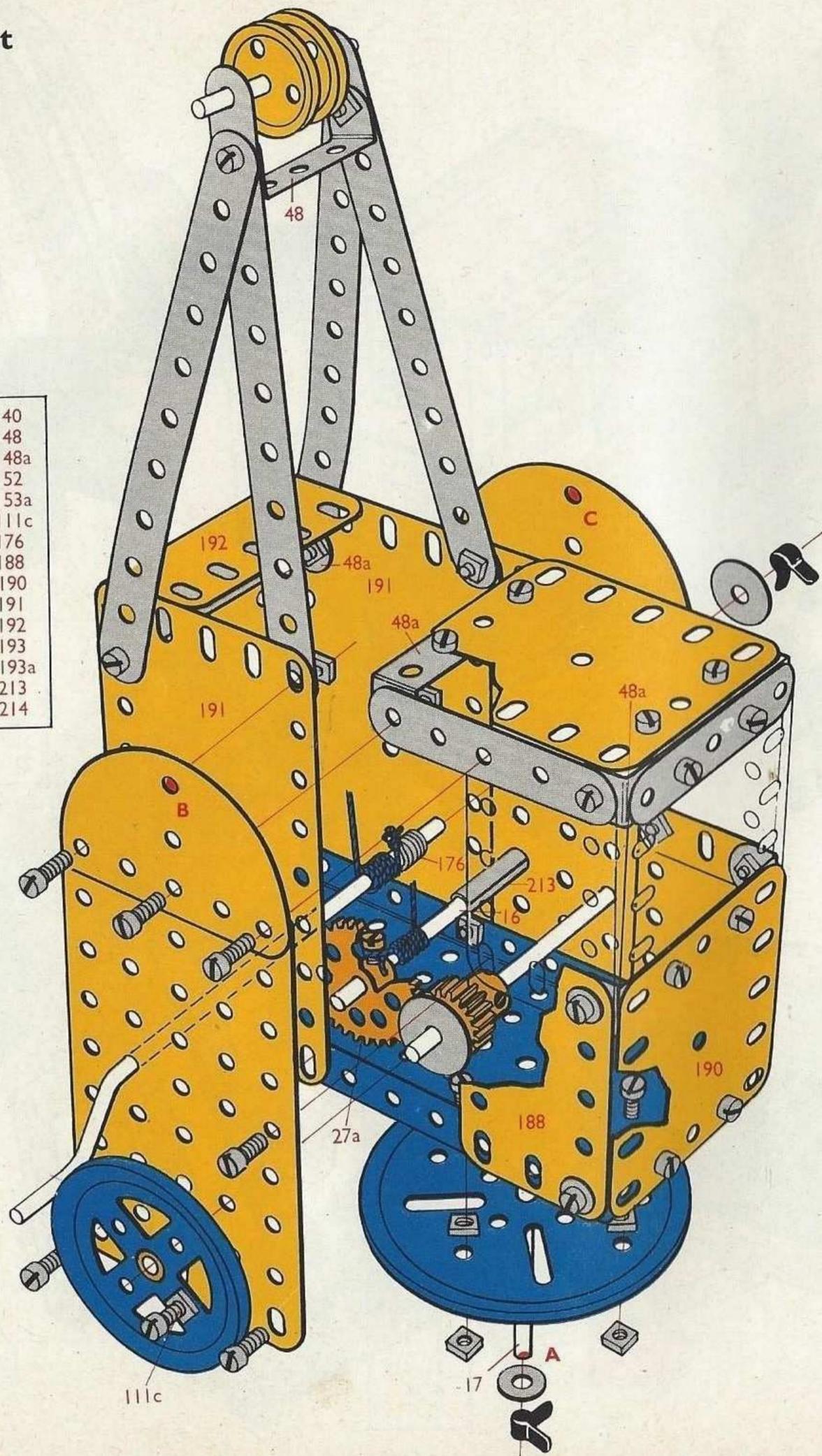
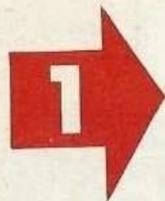


4- 5	
2- 6a	
3- 11	
2- 15	
3- 18a	
1- 24	
7- 35	
26- 37a	
12- 37b	
7- 38	
2- 38d	
2- 48a	
1- 51	
1- 80c	
2- 90a	
2-111a	
2-111c	
2-126	
1-147b	
4-187	
2-212a	

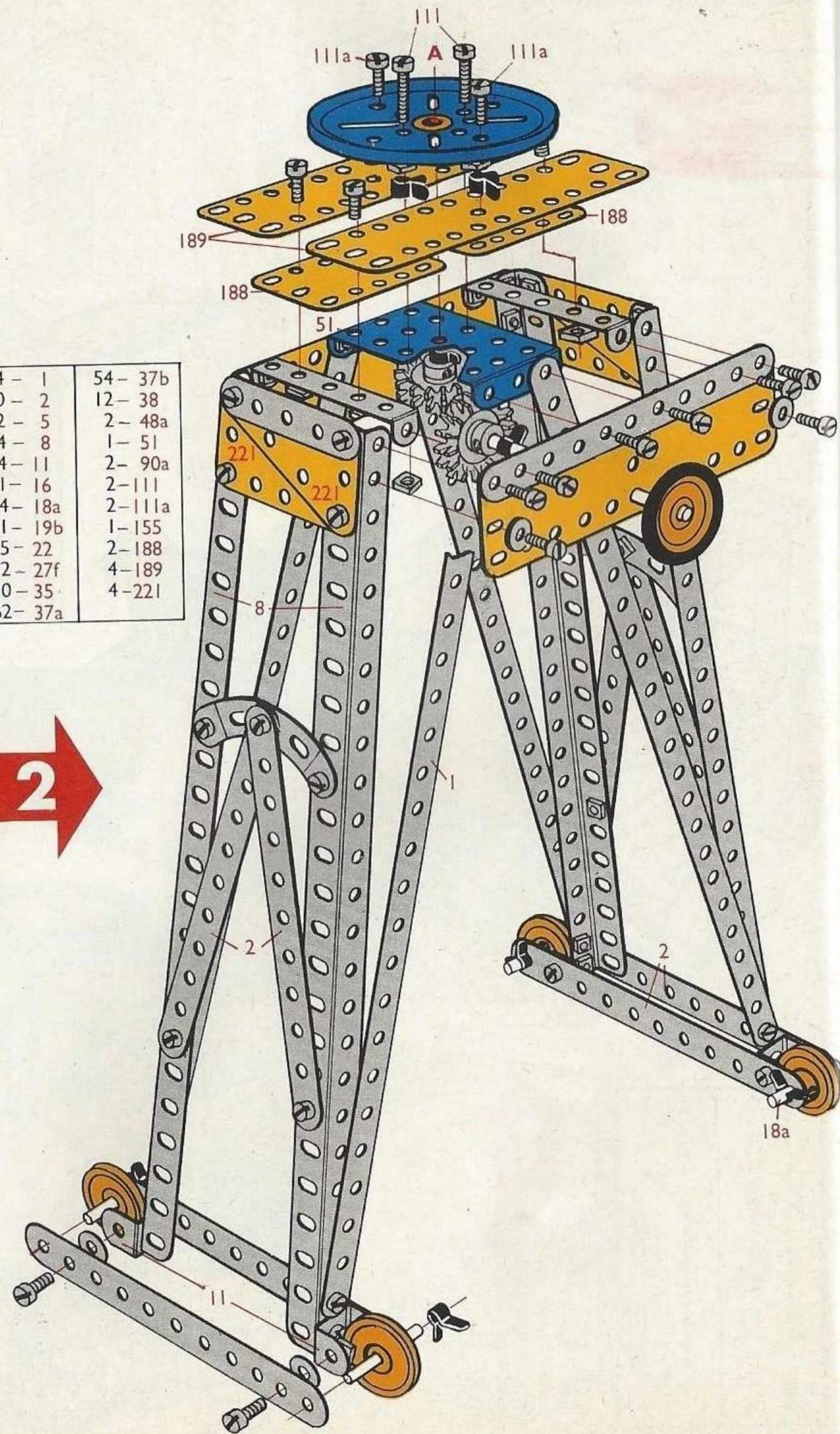


6.2. Grue de port

4- 2	1- 40
3- 5	1- 48
2- 16	4- 48a
2- 17	1- 52
1- 19b	2- 53a
1- 19s	1- 111c
1- 20a	1- 176
2- 22a	2- 188
1- 26	2- 190
1- 27a	2- 191
3- 35	1- 192
44- 37a	2- 193
38- 37b	1- 193a
7- 38	1- 213
2- 38d	2- 214

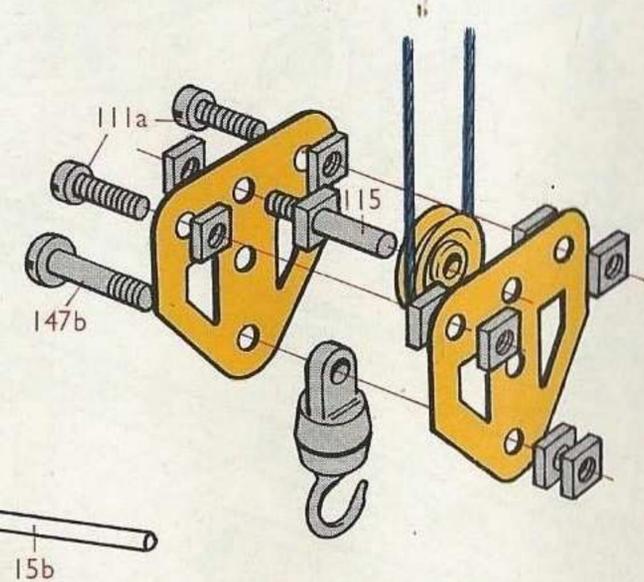
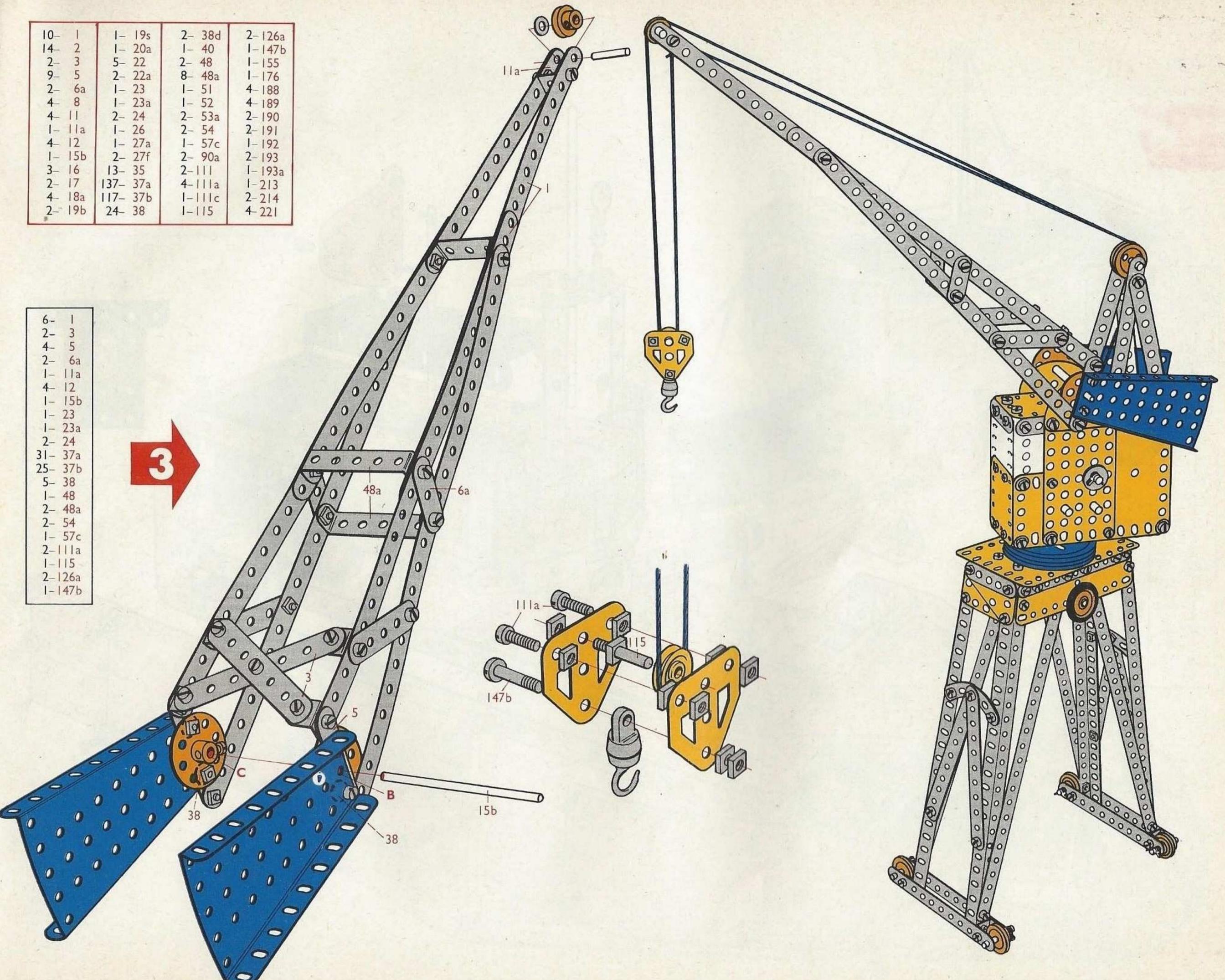


4- 1	54- 37b
10- 2	12- 38
2- 5	2- 48a
4- 8	1- 51
4- 11	2- 90a
1- 16	2- 111
4- 18a	2- 111a
1- 19b	1- 155
5- 22	2- 188
2- 27f	4- 189
10- 35	4- 221
62- 37a	



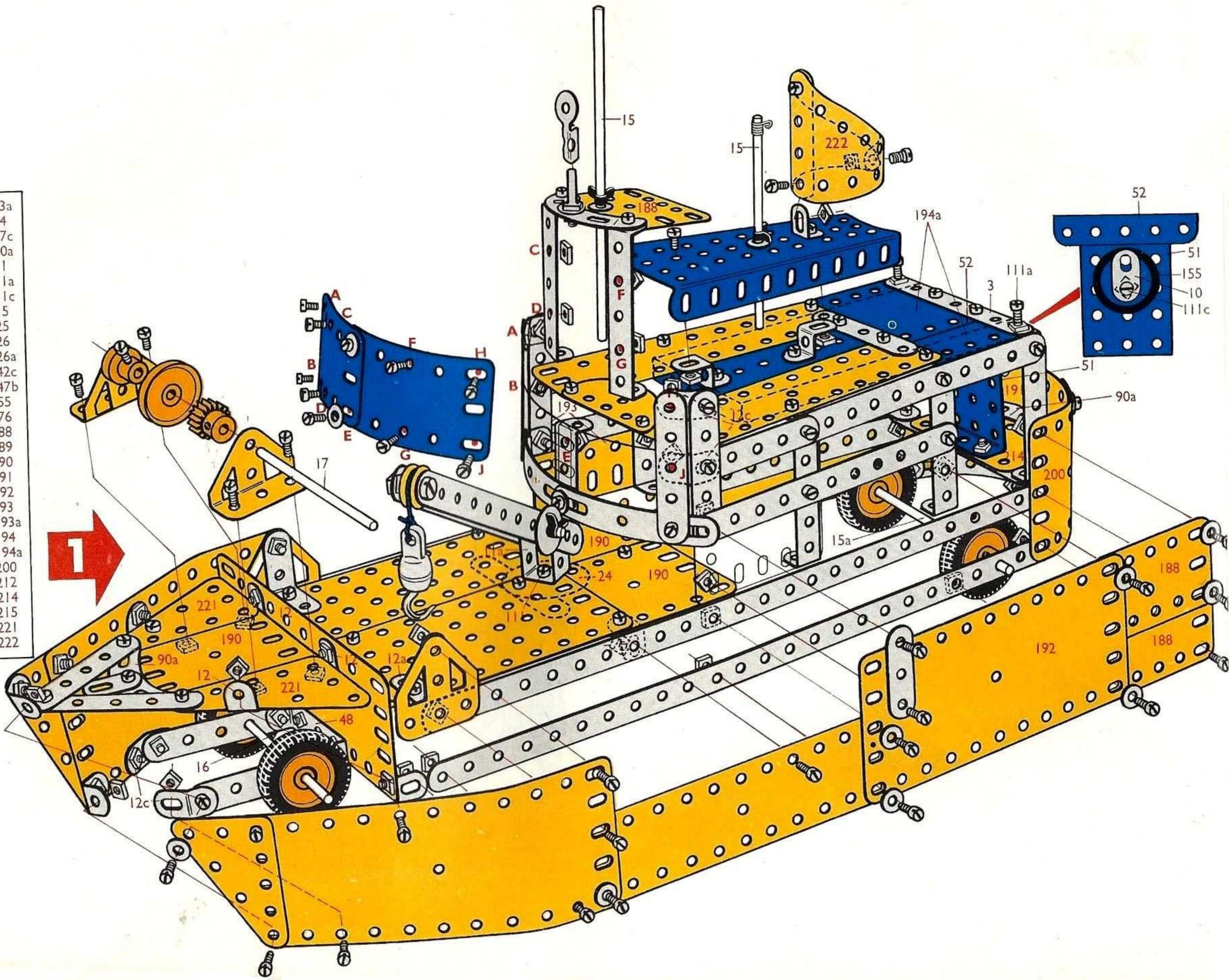
10- 1	1- 19s	2- 38d	2- 126a
14- 2	1- 20a	1- 40	1- 147b
2- 3	5- 22	2- 48	1- 155
9- 5	2- 22a	8- 48a	1- 176
2- 6a	1- 23	1- 51	4- 188
4- 8	1- 23a	1- 52	4- 189
4- 11	2- 24	2- 53a	2- 190
1- 11a	1- 26	2- 54	2- 191
4- 12	1- 27a	1- 57c	1- 192
1- 15b	2- 27f	2- 90a	2- 193
3- 16	13- 35	2- 111	1- 193a
2- 17	137- 37a	4- 111a	1- 213
4- 18a	117- 37b	1- 111c	2- 214
2- 19b	24- 38	1- 115	4- 221

6- 1
2- 3
4- 5
2- 6a
1- 11a
4- 12
1- 15b
1- 23
1- 23a
2- 24
31- 37a
25- 37b
5- 38
1- 48
2- 48a
2- 54
1- 57c
2- 111a
1- 115
2- 126a
1- 147b

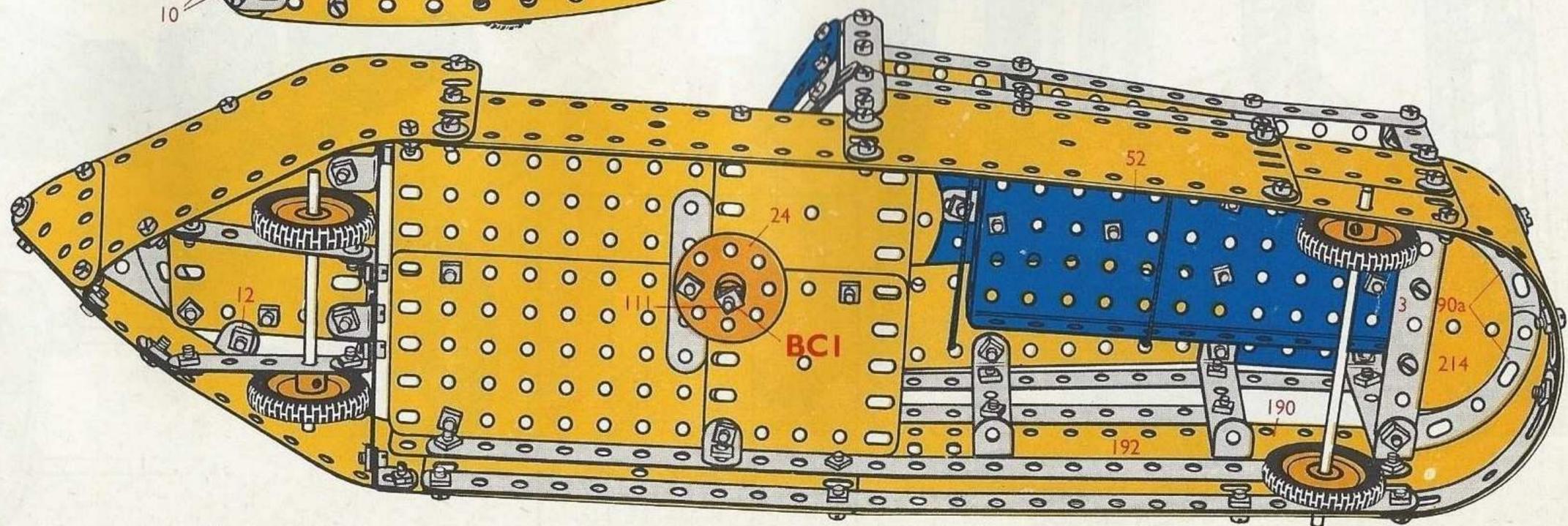
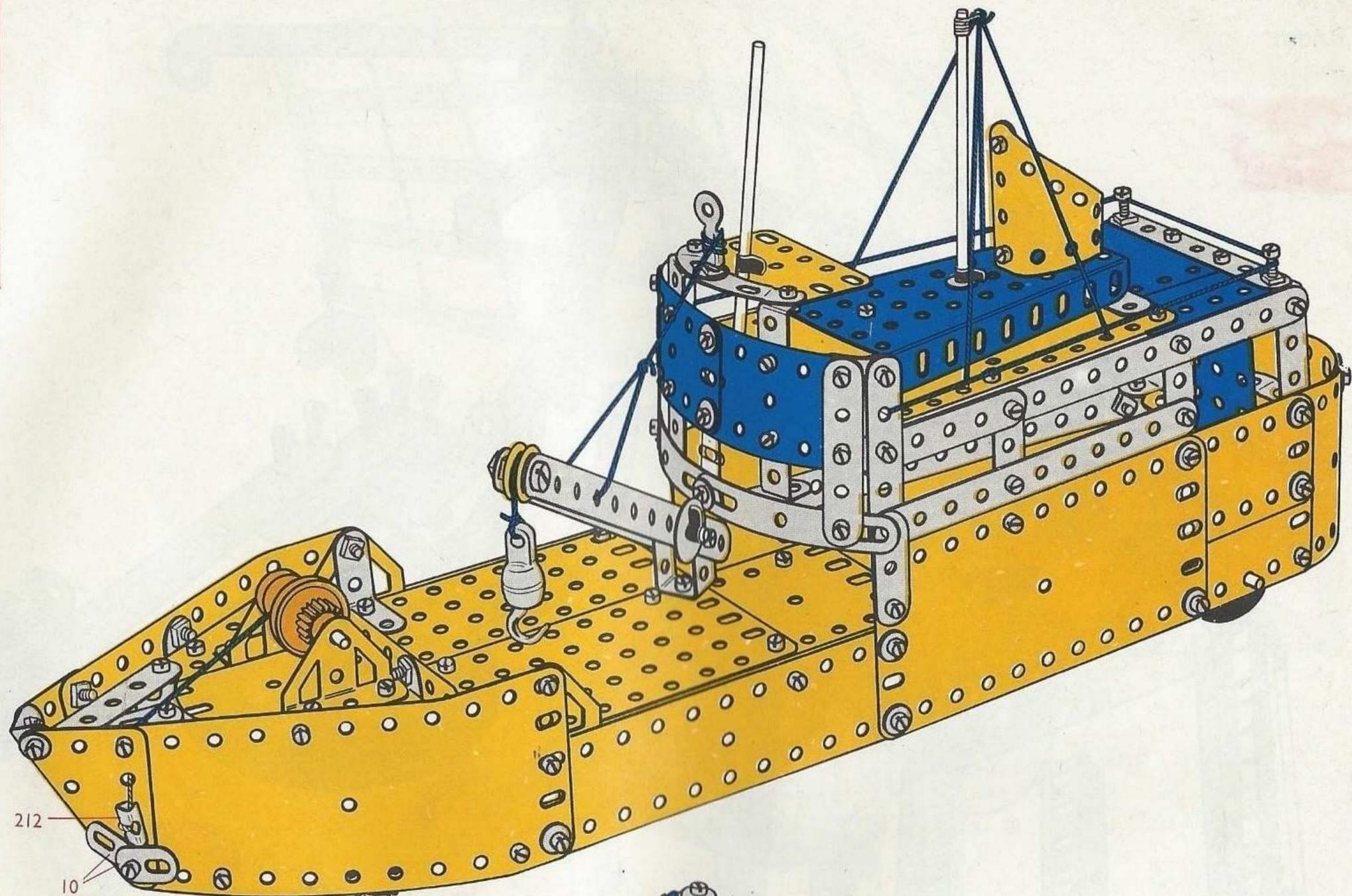


6.3. Cargo

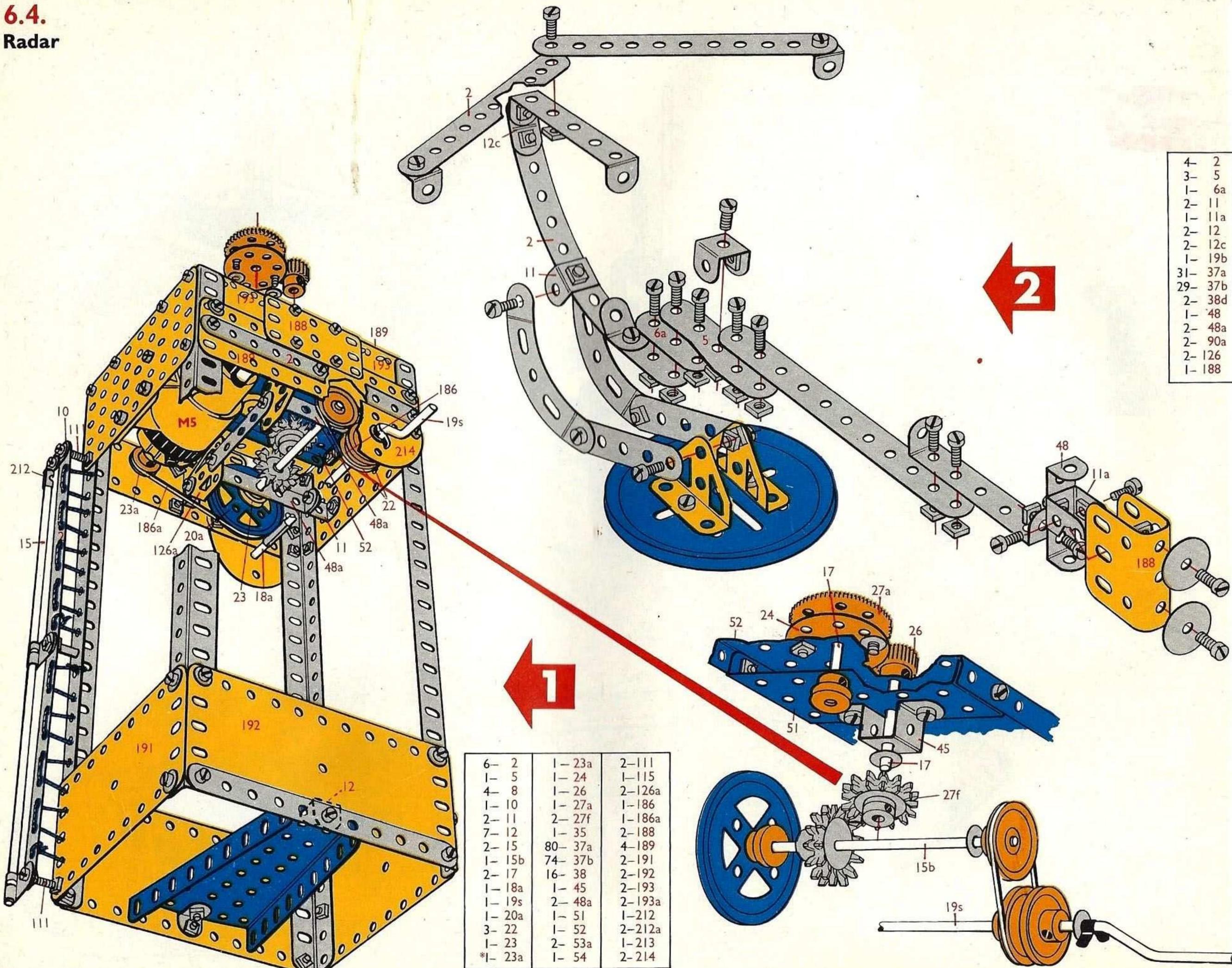
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4	10	2	111a
1	11a	2	111c
11	12	1	115
2	12a	2	125
8	12c	2	126
2	15	2	126a
1	15a	4	142c
1	16	1	147b
1	17	1	155
1	18b	1	176
5	22	3	188
1	23	4	189
1	23a	4	190
1	24	2	191
1	26	4	192
6	35	2	193
130	37a	2	193a
122	37b	2	194
24	38	2	194a
1	38d	1	200
1	40	1	212
2	48	2	214
8	48a	4	215
1	51	2	221
1	52	2	222



4- 1	5- 22	2- 53a	3-188
6- 2	1- 23	1- 54	4-189
2- 3	1- 23a	1- 57c	4-190
12- 5	1- 24	4- 90a	2-191
2- 6a	1- 26	1-111	4-192
4-10	6- 35	2-111a	2-193
1-11a	130-37a	2-111c	2-193a
11-12	122-37b	1-115	2-194
2-12a	24- 38	2-125	2-194a
8-12c	1- 38d	2-126	1-200
2-15	1- 40	2-126a	1-212
1-15a	2- 48	4-142c	2-214
1-16	8- 48a	1-147b	4-215
1-17	1- 51	1-155	2-221
1-18b	1- 52	1-176	2-222



6.4. Radar

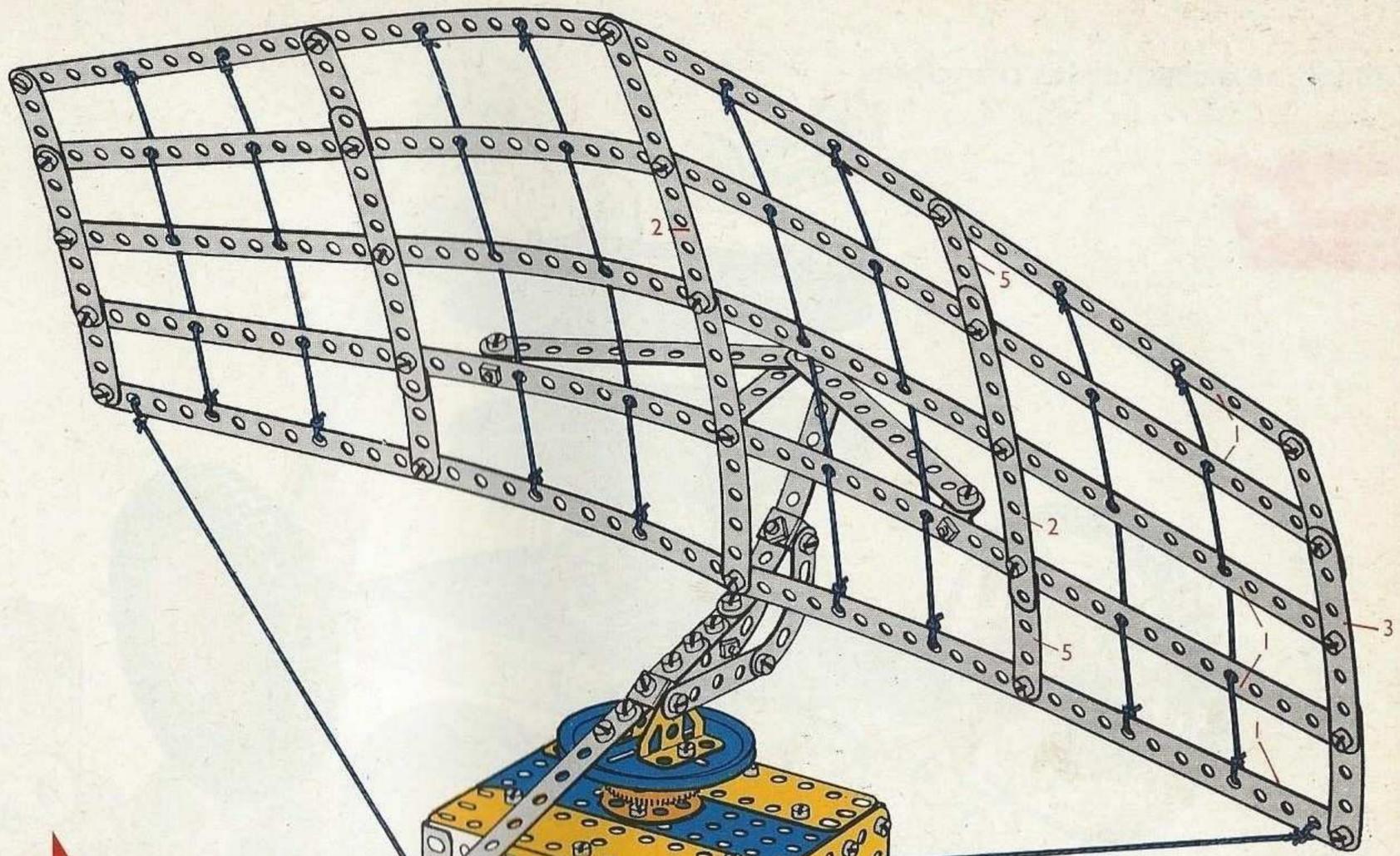


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- 3- 5
- 1- 6a
- 2- 11
- 1- 11a
- 2- 12
- 2- 12c
- 1- 19b
- 31- 37a
- 29- 37b
- 2- 38d
- 1- 48
- 2- 48a
- 2- 90a
- 2- 126
- 1- 188

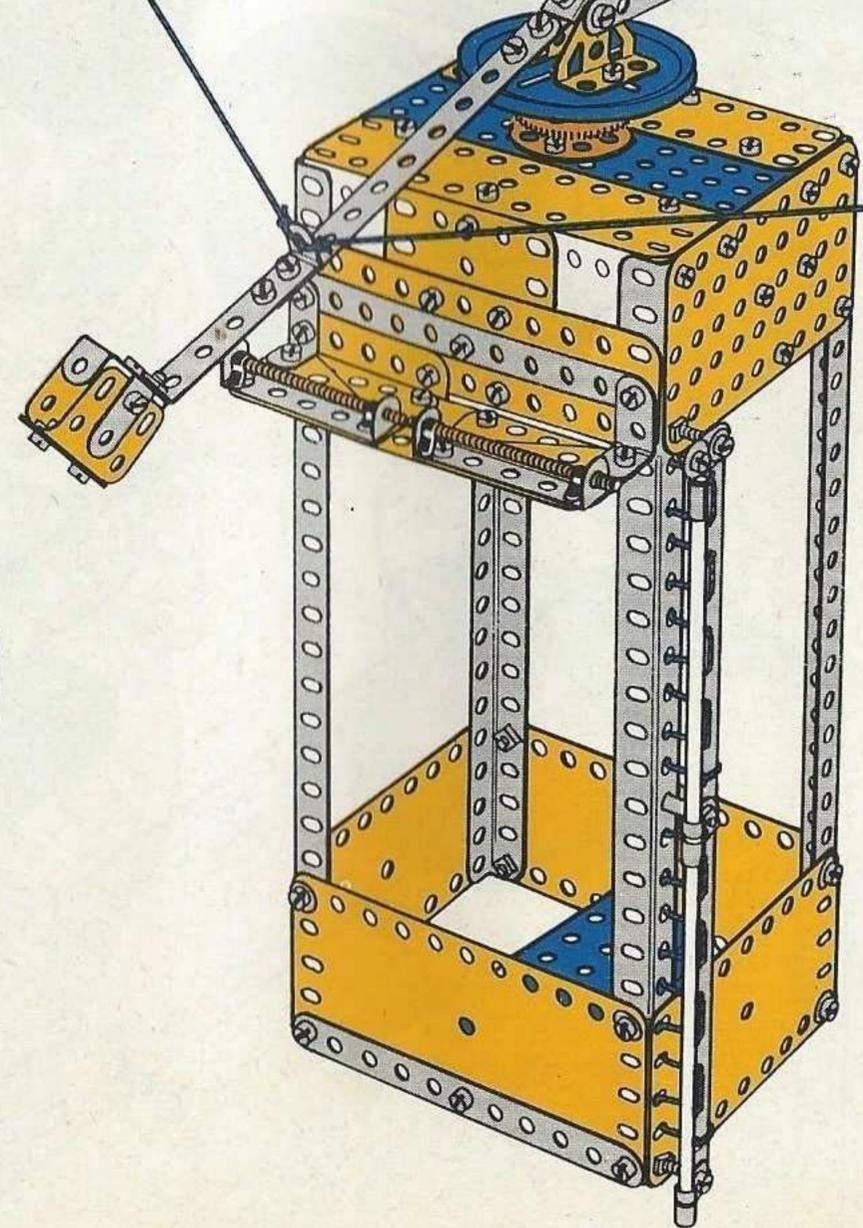
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| 1- 5 | 1- 24 | 1- 115 |
| 4- 8 | 1- 26 | 2- 126a |
| 1- 10 | 1- 27a | 1- 186 |
| 2- 11 | 2- 27f | 1- 186a |
| 7- 12 | 1- 35 | 2- 188 |
| 2- 15 | 80- 37a | 4- 189 |
| 1- 15b | 74- 37b | 2- 191 |
| 2- 17 | 16- 38 | 2- 192 |
| 1- 18a | 1- 45 | 2- 193 |
| 1- 19s | 2- 48a | 2- 193a |
| 1- 20a | 1- 51 | 1- 212 |
| 3- 22 | 1- 52 | 2- 212a |
| 1- 23 | 2- 53a | 1- 213 |
| *1- 23a | 1- 54 | 2- 214 |

10- 1	1- 19b	1- 40	1-186a
14- 2	1- 19s	1- 45	4-188
2- 3	1- 20a	1- 48	4-189
12- 5	3- 22	6- 48a	2-191
1- 6a	1- 23	1- 51	2-192
4- 8	*1- 23a	1- 52	2-193
1- 10	1- 23a	2- 53a	2-193a
4- 11	1- 24	1- 54	1-212
1- 11a	1- 26	2- 80c	2-212a
9- 12	1- 27a	2- 90a	1-213
2- 12a	2- 27f	2-111	2-214
2- 12c	5- 35	4-111c	4-221
2- 15	144- 37a	1-115	*1- M5
1- 15b	133- 37b	2-126	
2- 17	16- 38	2-126a	
1- 18a	2- 38d	1- 186	

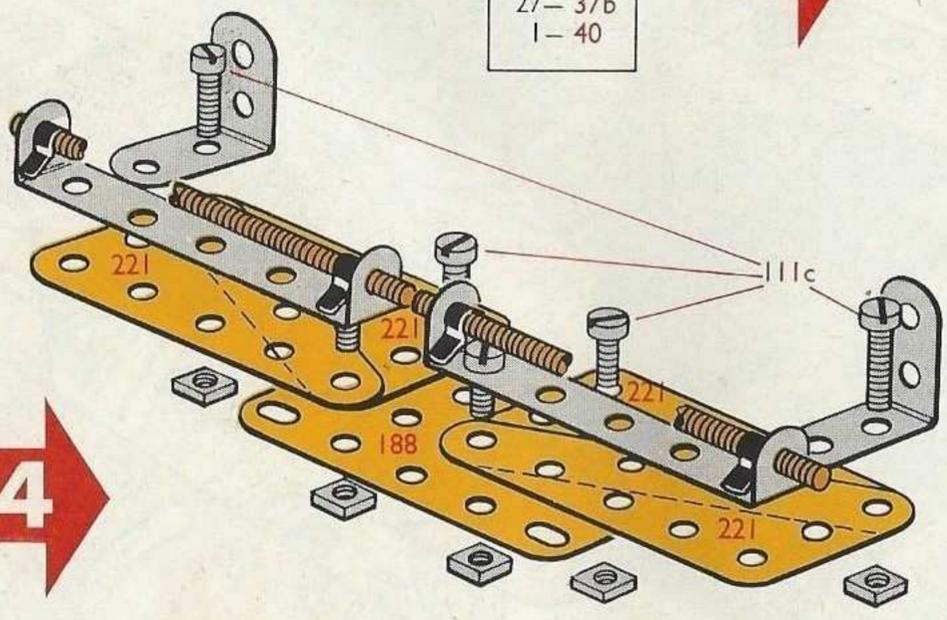
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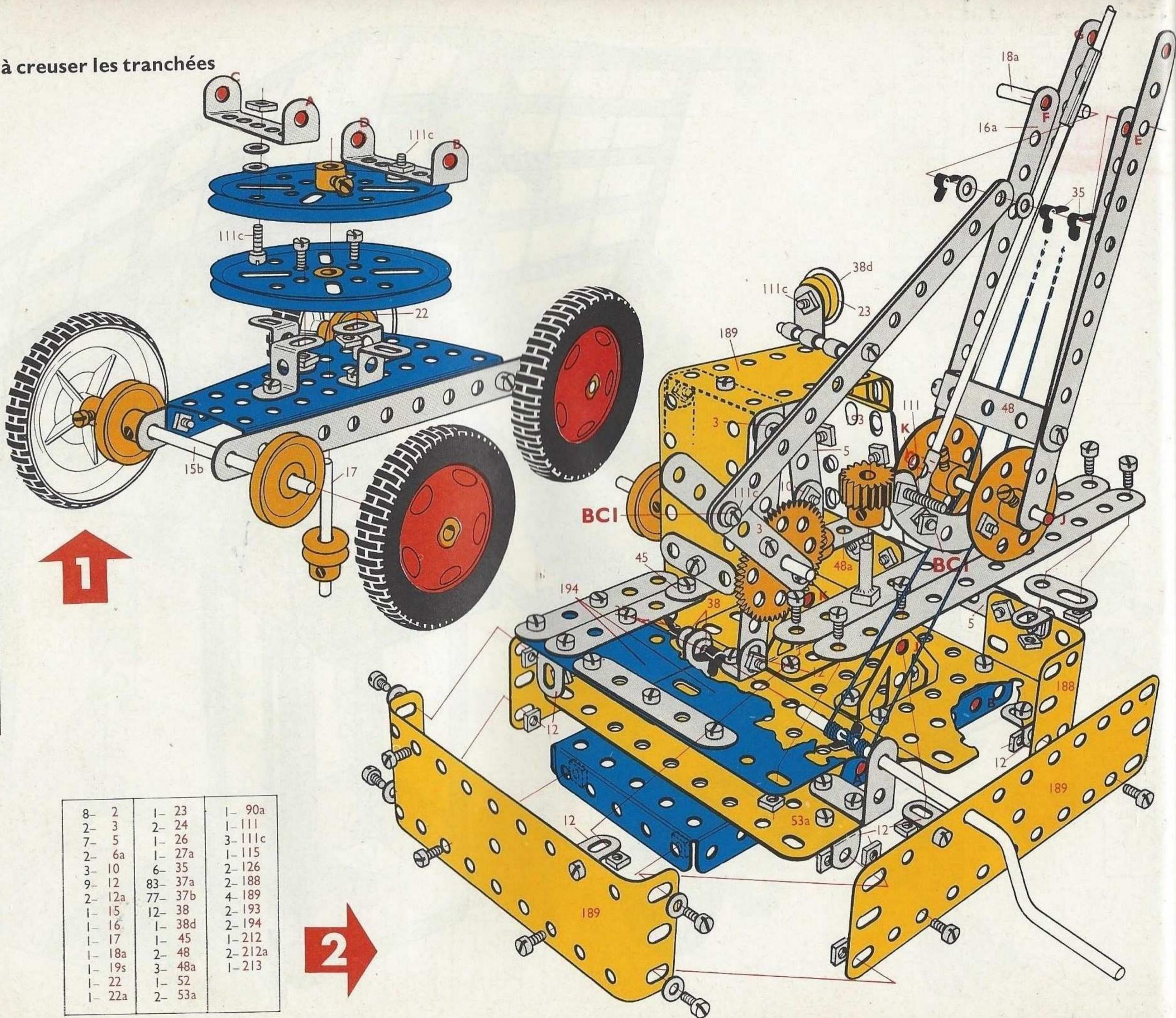
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- 2- 3
- 8- 5
- 27- 37a
- 27- 37b
- 1- 40



- 2- 12a
- 4- 35
- 6- 37a
- 4- 37b
- 2- 48a
- 2- 80c
- 4-111c
- 1- 188
- 4- 221



6.5. Machine à creuser les tranchées

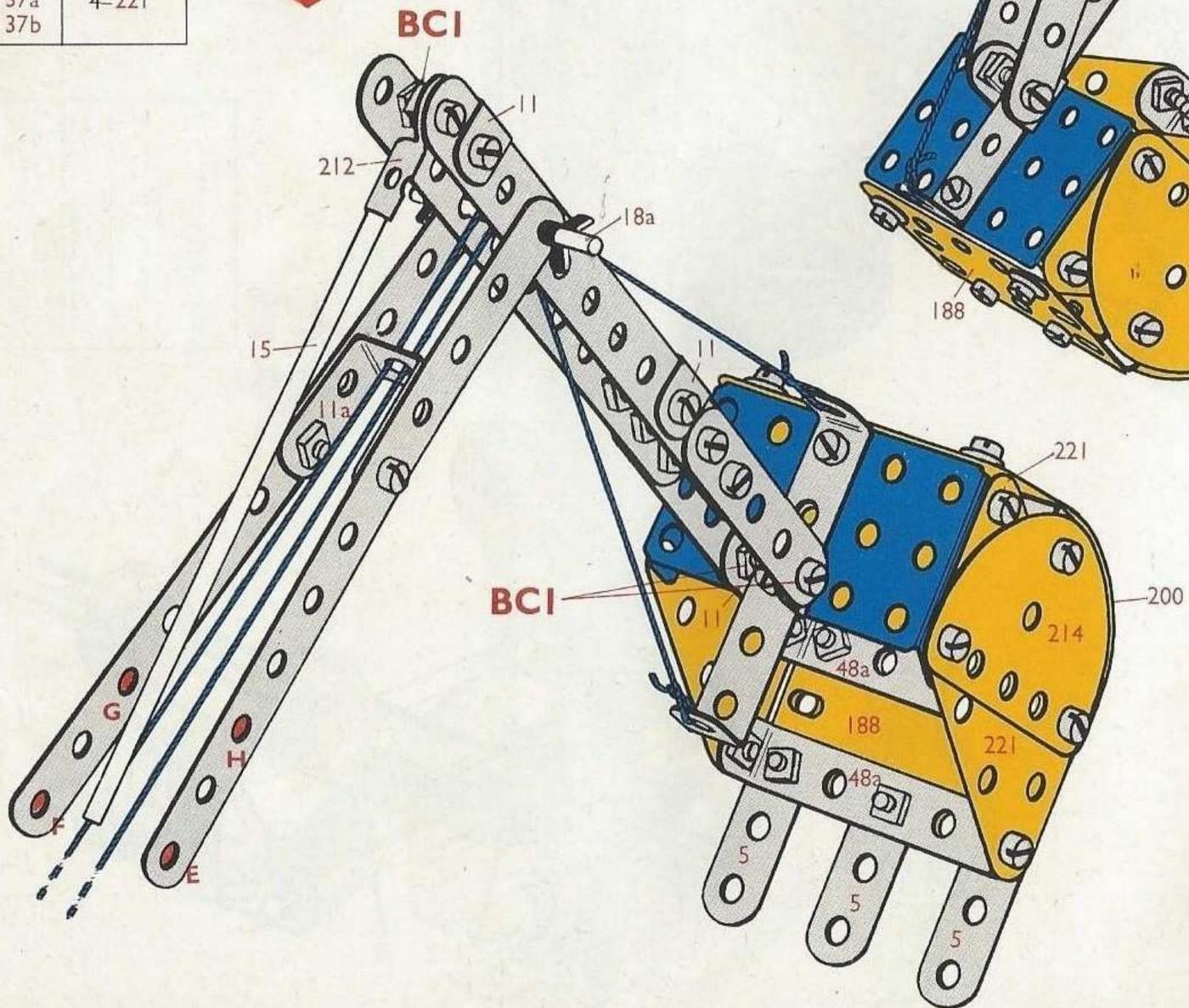
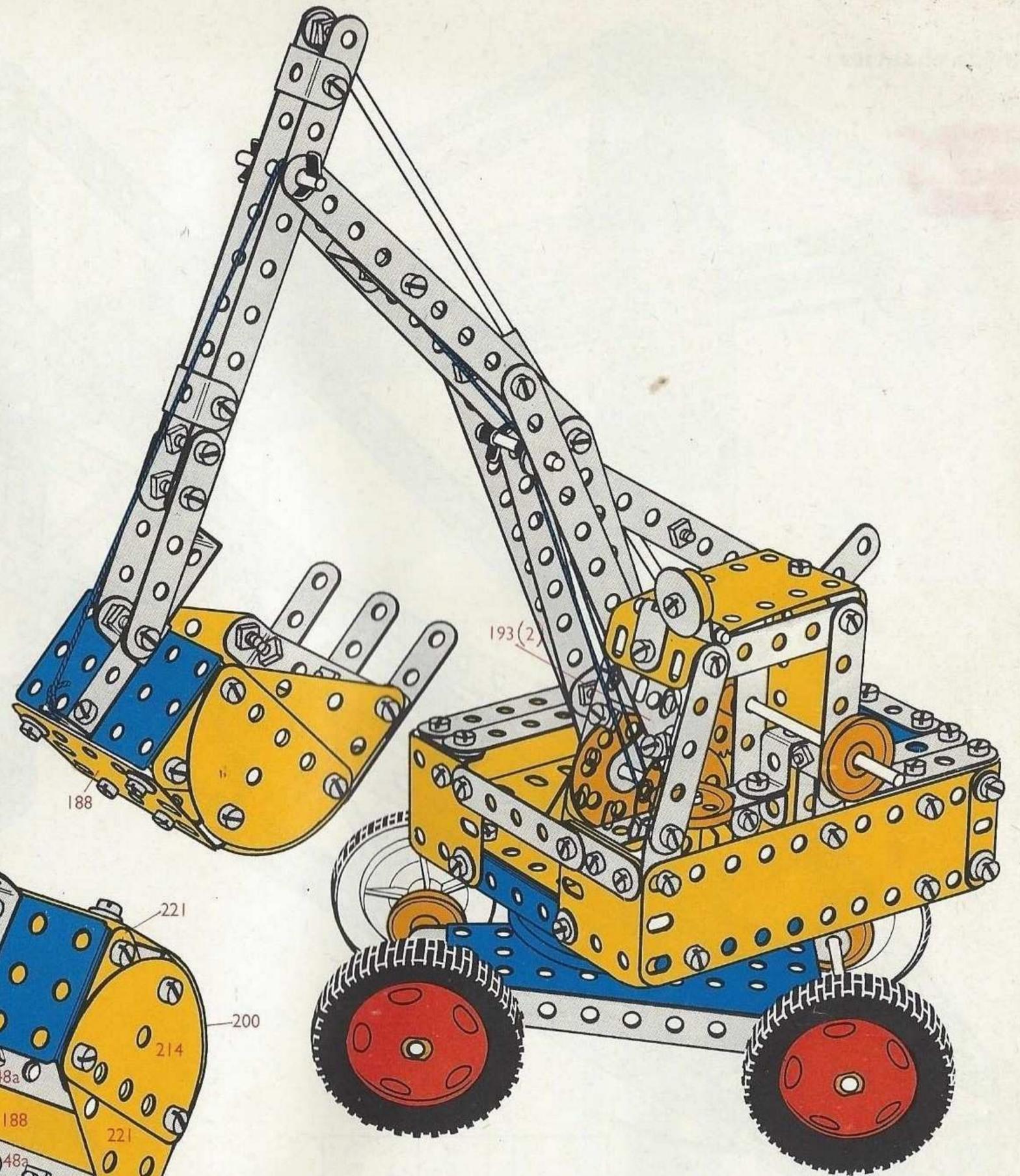


- 2- 2
- 1- 15a
- 1- 15b
- 1- 17
- 2- 19b
- 4- 22
- 1- 23a
- 12- 37a
- 10- 37b
- 4- 38
- 2- 48a
- 1- 54
- 2- 111c
- 4- 125
- 4- 187

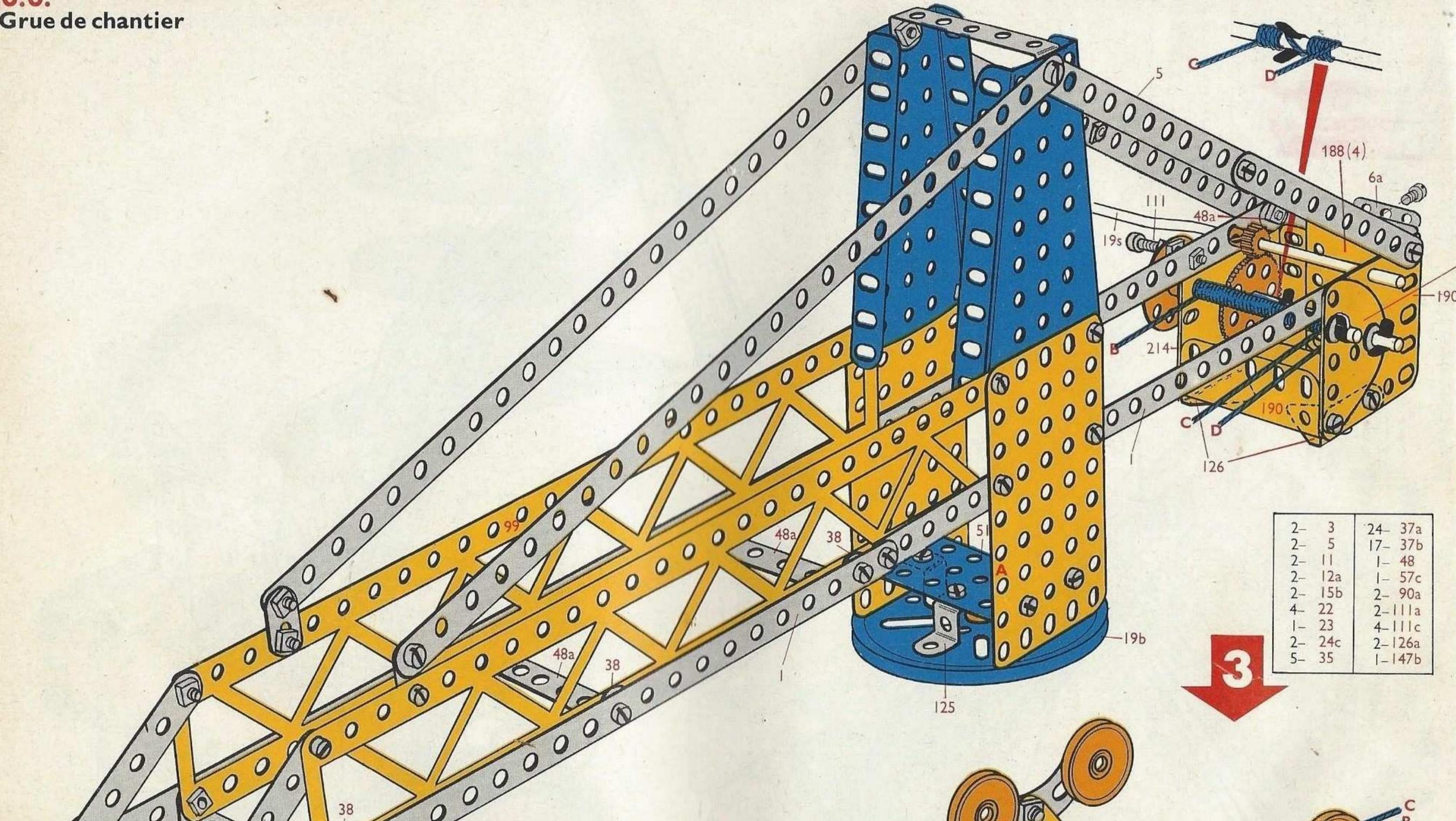
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|--------|---------|---------|
| 8- 2 | 1- 23 | 1- 90a |
| 2- 3 | 2- 24 | 1- 111 |
| 7- 5 | 1- 26 | 3- 111c |
| 2- 6a | 1- 27a | 1- 115 |
| 3- 10 | 6- 35 | 2- 126 |
| 9- 12 | 83- 37a | 2- 188 |
| 2- 12a | 77- 37b | 4- 189 |
| 1- 15 | 12- 38 | 2- 193 |
| 1- 16 | 1- 38d | 2- 194 |
| 1- 17 | 1- 45 | 1- 212 |
| 1- 18a | 2- 48 | 2- 212a |
| 1- 19s | 3- 48a | 1- 213 |
| 1- 22 | 1- 52 | |
| 1- 22a | 2- 53a | |

14- 2	2- 18a	1- 38d	2- 126
2- 3	2- 19b	1- 40	4- 187
12- 5	1- 19s	1- 45	4- 188
2- 6a	5- 22	2- 48	4- 189
3- 10	1- 22a	7- 48a	2- 193
3- 11	1- 23	1- 51	2- 194
1- 11a	1- 23a	1- 52	1- 200
11- 12	2- 24	2- 53a	2- 212
2- 12a	1- 26	1- 54	2- 212a
2- 15	1- 27a	1- 90a	1- 213
1- 15a	8- 35	1- 111	2- 214
1- 15b	136- 37a	3- 111c	4- 221
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2- 17	18- 38	4- 125	

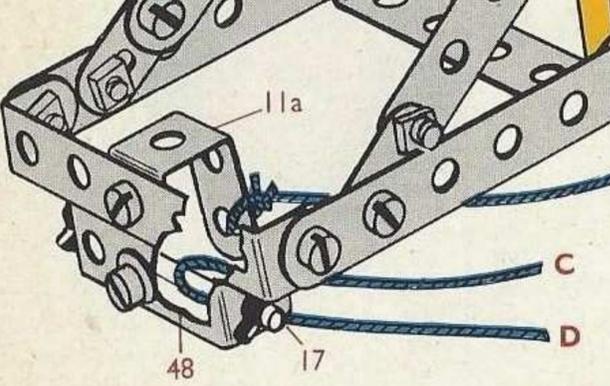
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3- 11	4- 48a
1- 11a	1- 51
2- 12	2- 188
1- 15	1- 200
1- 18a	1- 212
2- 35	2- 214
41- 37a	4- 221
39- 37b	



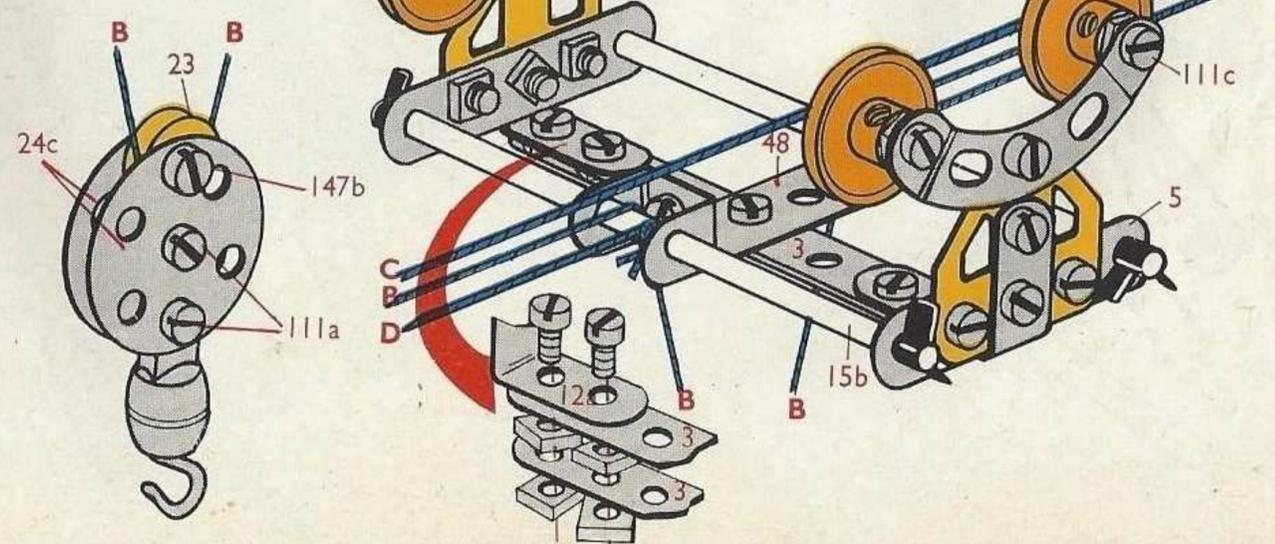
6.6. Grue de chantier



2-	3	24-	37a
2-	5	17-	37b
2-	11	1-	48
2-	12a	1-	57c
2-	15b	2-	90a
4-	22	2-	111a
1-	23	4-	111c
2-	24c	2-	126a
5-	35	1-	147b

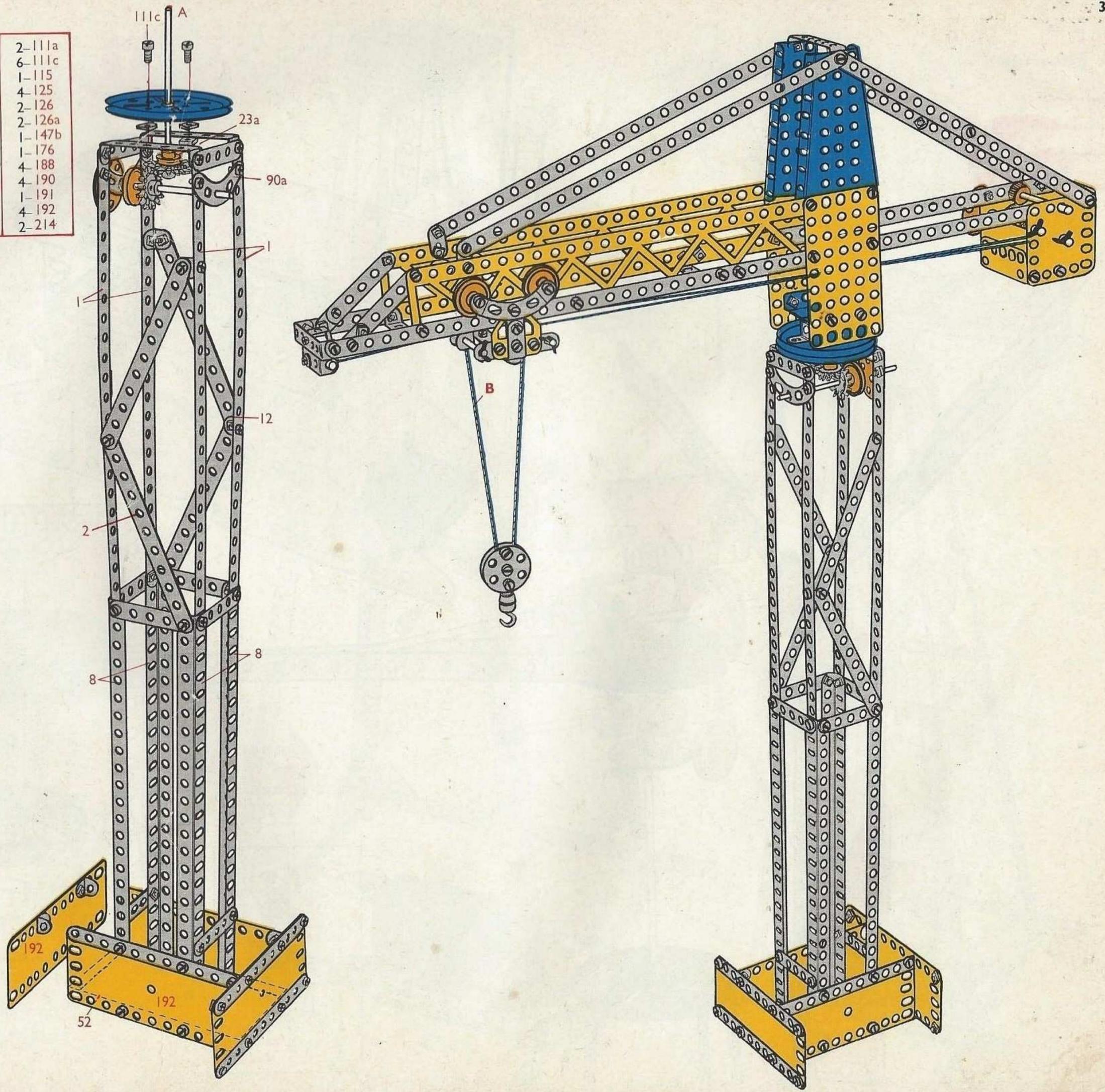


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2-	5	7-	35	1-	111
1-	6a	58-	37a	4-	125
4-	10	56-	37b	2-	126
1-	11a	17-	38	1-	176
2-	16	1-	40	4-	188
1-	17	1-	48	4-	190
1-	19b	6-	48a	1-	191
1-	19s	1-	51	2-	214
1-	24	2-	53a		

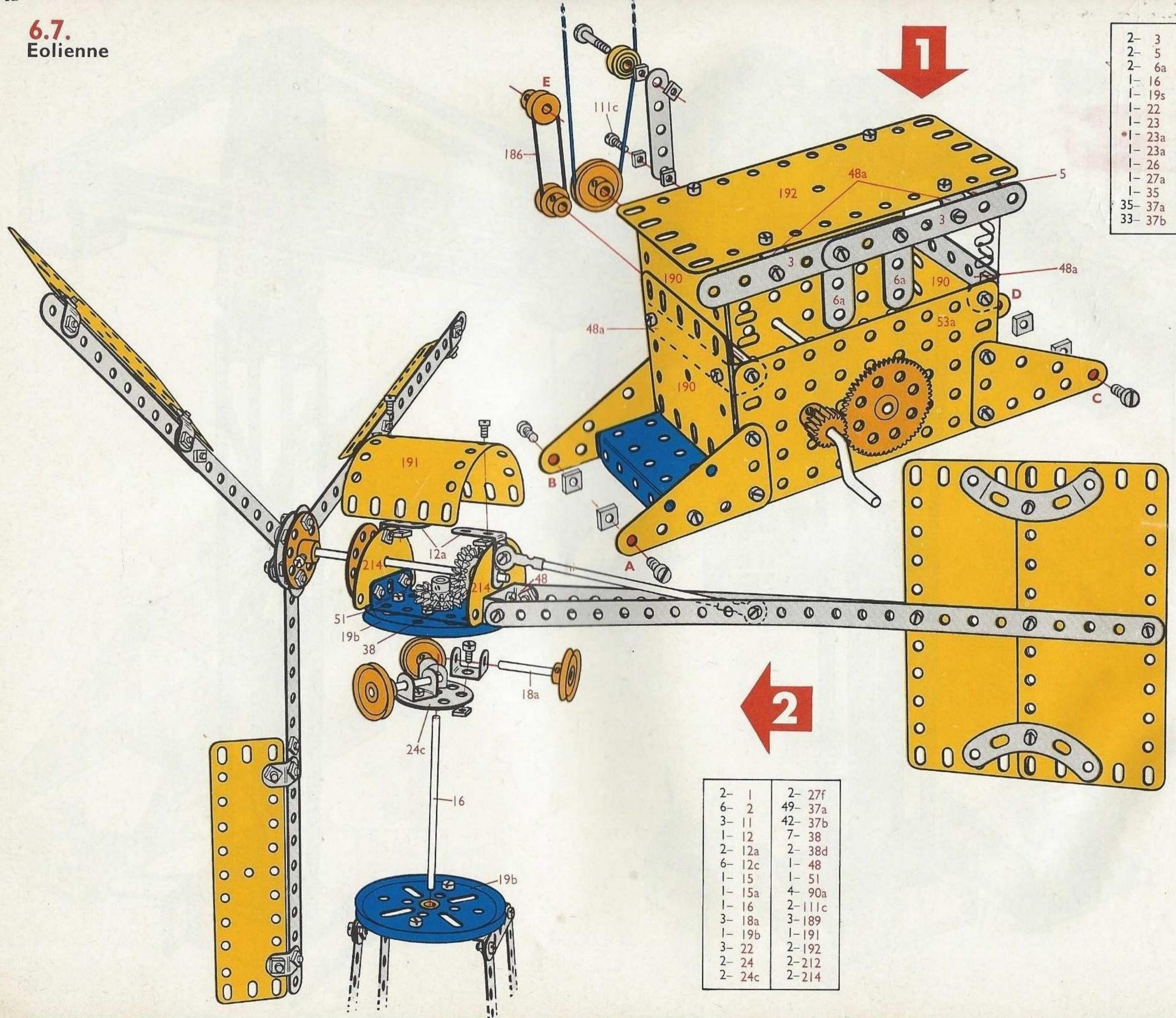


10- 1	1- 17	129- 37b	2-111a
14- 2	2- 19b	18- 38	6-111c
2- 3	1- 19s	1- 40	1-115
12- 5	5- 22	2- 48	4-125
1- 6a	1- 23	8- 48a	2-126
4- 8	1- 23a	1- 51	2-126a
4- 10	2- 24	1- 52	1-147b
2- 11	2- 24c	2- 53a	1-176
1- 11a	1- 26	2- 54	4-188
8- 12	1- 27a	1- 57c	4-190
2- 12a	2- 27f	4- 90a	1-191
2- 15b	12- 35	2- 99	4-192
4- 16	142- 37a	1-111	2-214

4- 1
10- 2
8- 5
4- 8
8- 12
2- 16
1- 19b
1- 22
1- 23a
1- 24
2- 27f
60- 37a
56- 37b
1- 38
2- 48a
1- 52
2- 90a
2-111c
1-115
4-192



6.7.
Eolienne



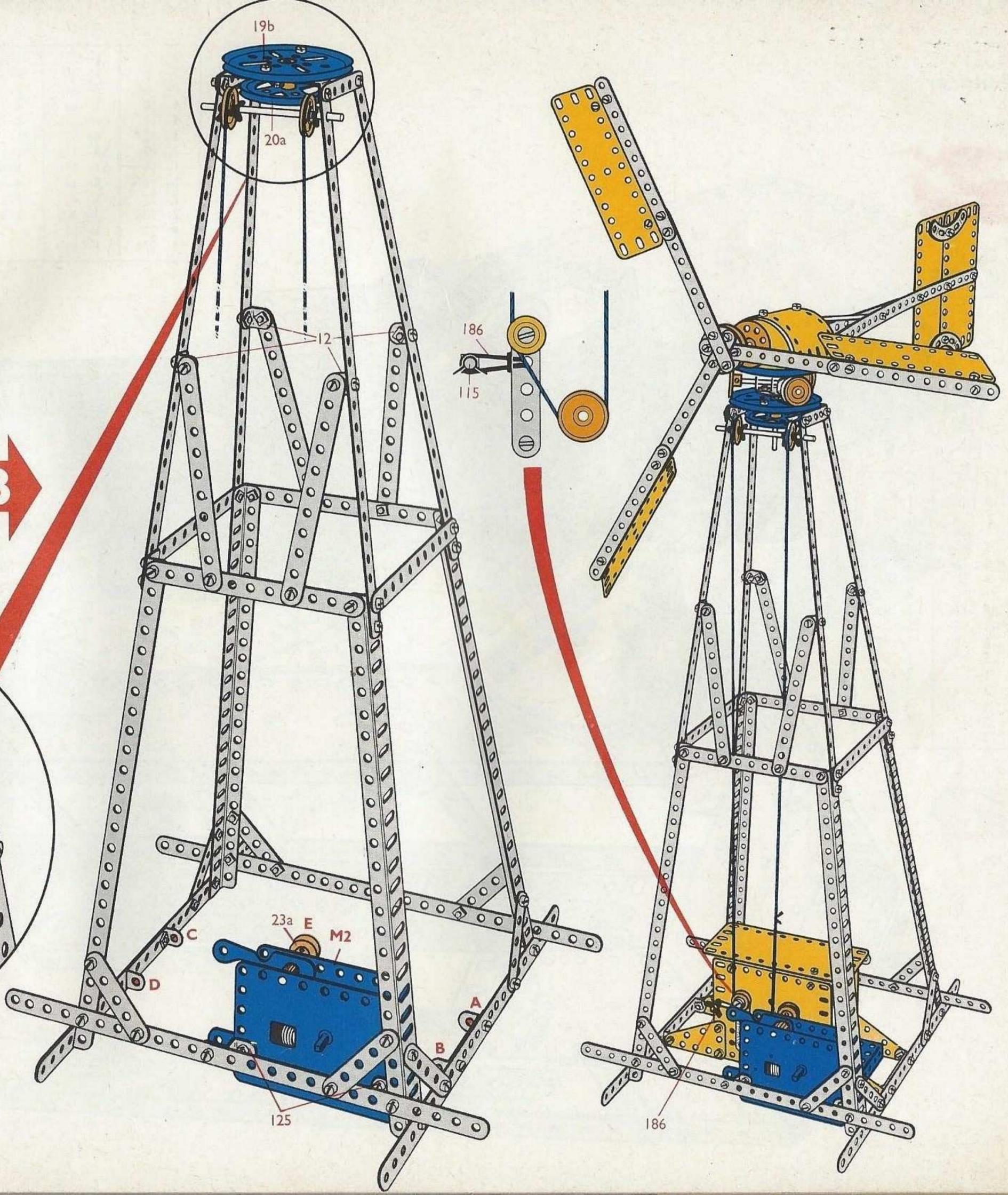
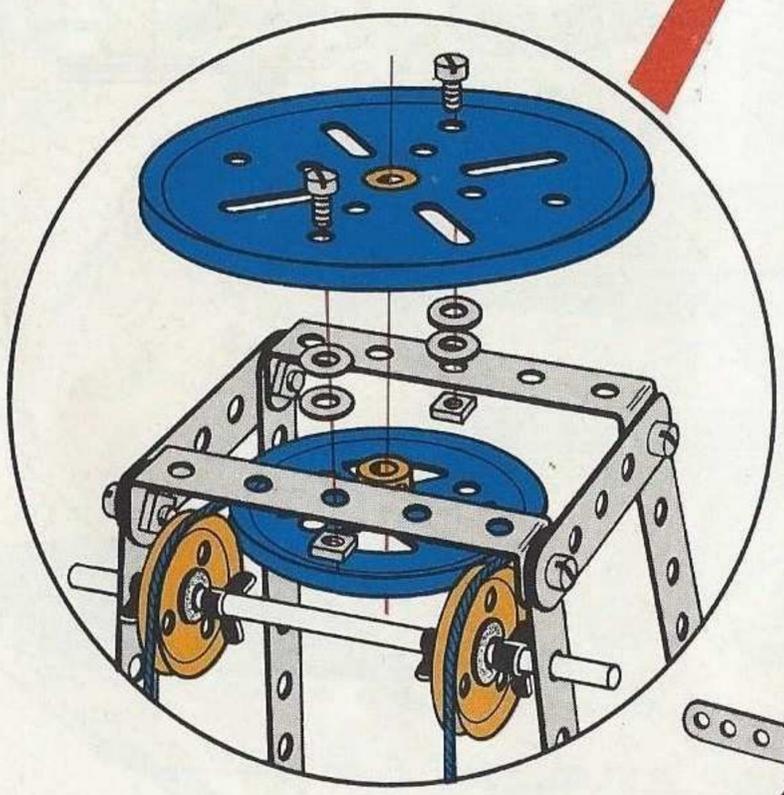
2- 3	4- 38-
2- 5	4- 48a
2- 6a	1- 52
1- 16	2- 53a
1- 19s	1-111c
1- 22	1-115
1- 23	1-147b
*1- 23a	1-186
1- 23a	3-190
1- 26	1-191
1- 27a	1-192
1- 35	1-193
35- 37a	1-193c
33- 37b	4-221

2- 1	2- 27f
6- 2	49- 37a
3- 11	42- 37b
1- 12	7- 38
2- 12a	2- 38d
6- 12c	1- 48
1- 15	1- 51
1- 15a	4- 90a
1- 16	2-111c
3- 18a	3-189
1- 19b	1-191
3- 22	2-192
2- 24	2-212
2- 24c	2-214

10- 1	2- 19b	143- 37a	1-147b
14- 2	1- 19s	134- 37b	1-186
2- 3	1- 20a	15- 38	*1-186
12- 5	4- 22	2- 38d	3-189
2- 6a	2- 22a	1- 40	3-190
4- 8	1- 23	1- 48	2-191
3- 11	*1- 23a	8- 48a	3-192
5- 12	1- 23a	1- 51	1-193
2- 12a	2- 24	1- 52	1-193c
6- 12c	2- 24c	2- 53a	2-212
1- 15	1- 26	4- 90a	2-214
1- 15a	1- 27a	3-111c	4-221
3- 16	2- 27f	1-115	*1- M2
3- 18a	5- 35	2-125	

*Non inclus dans la boîte

8- 1	2- 22a
8- 2	4- 35
10- 5	59- 37a
4- 8	59- 37b
4- 12	4- 38
1- 16	1- 40
1- 19b	4- 48a
1- 20a	2-125

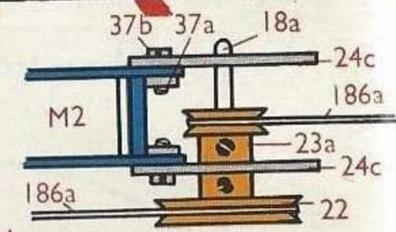
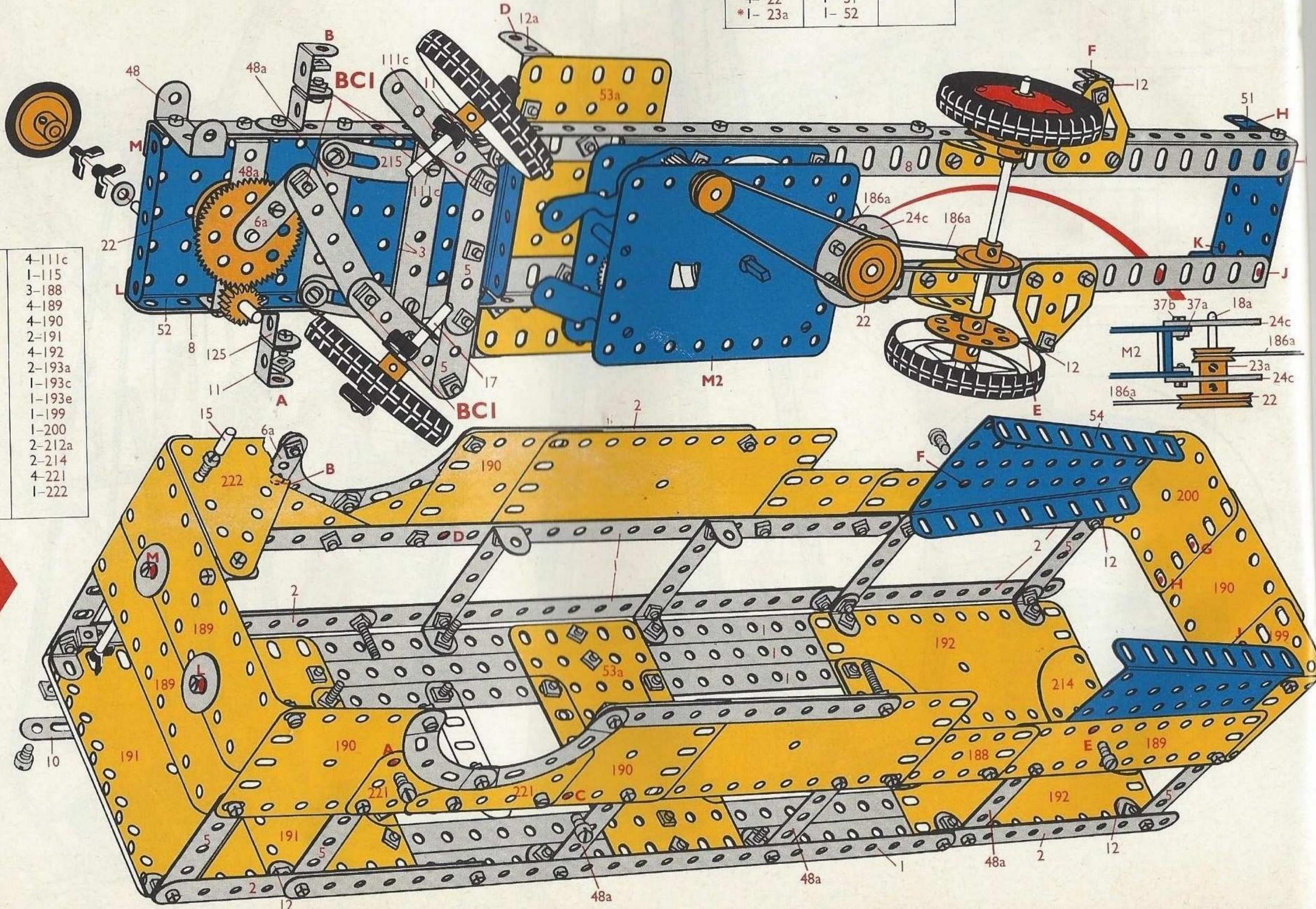


6.8. Autocar



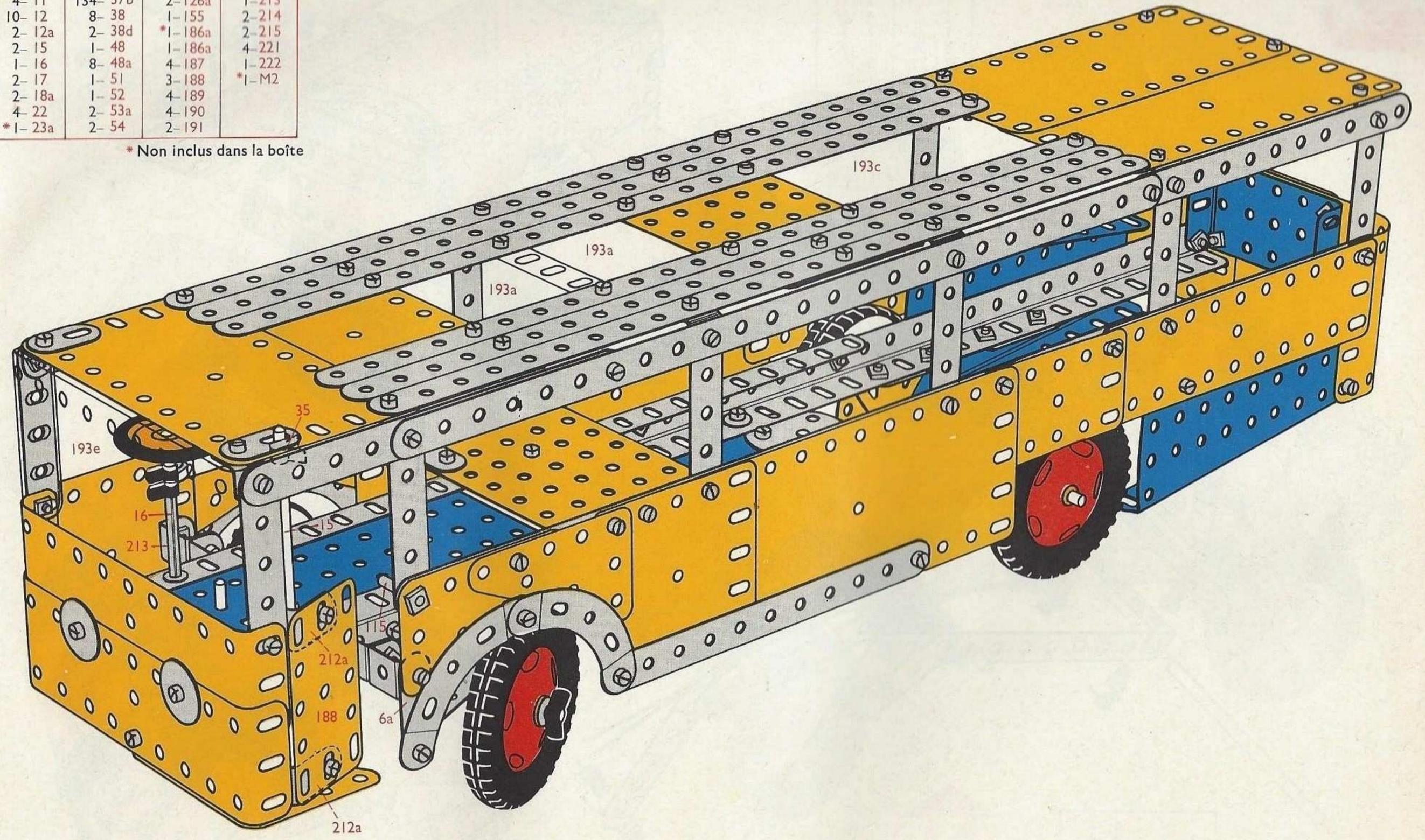
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5- 5	2- 24	2-111c
1- 6a	2- 24c	2-125
4- 8	1- 26	2-126
4- 11	1- 27a	2-126a
2- 12	6- 35	1-155
2- 12a	59- 37a	*1-186a
1- 15	51- 37b	1-186a
1- 16	8- 38	4-187
2- 17	1- 48	1-213
2- 18a	3- 48a	2-215
4- 22	1- 51	
*1- 23a	1- 52	

10- 1	4-111c
8- 2	1-115
7- 5	3-188
1- 6a	4-189
2- 10	4-190
8- 12	2-191
1- 15	4-192
1- 35	2-193a
87- 37a	1-193c
83- 37b	1-193e
2- 38d	1-199
5- 48a	1-200
1- 53a	2-212a
2- 54	2-214
4- 90a	4-221
2-111	1-222
3-111a	

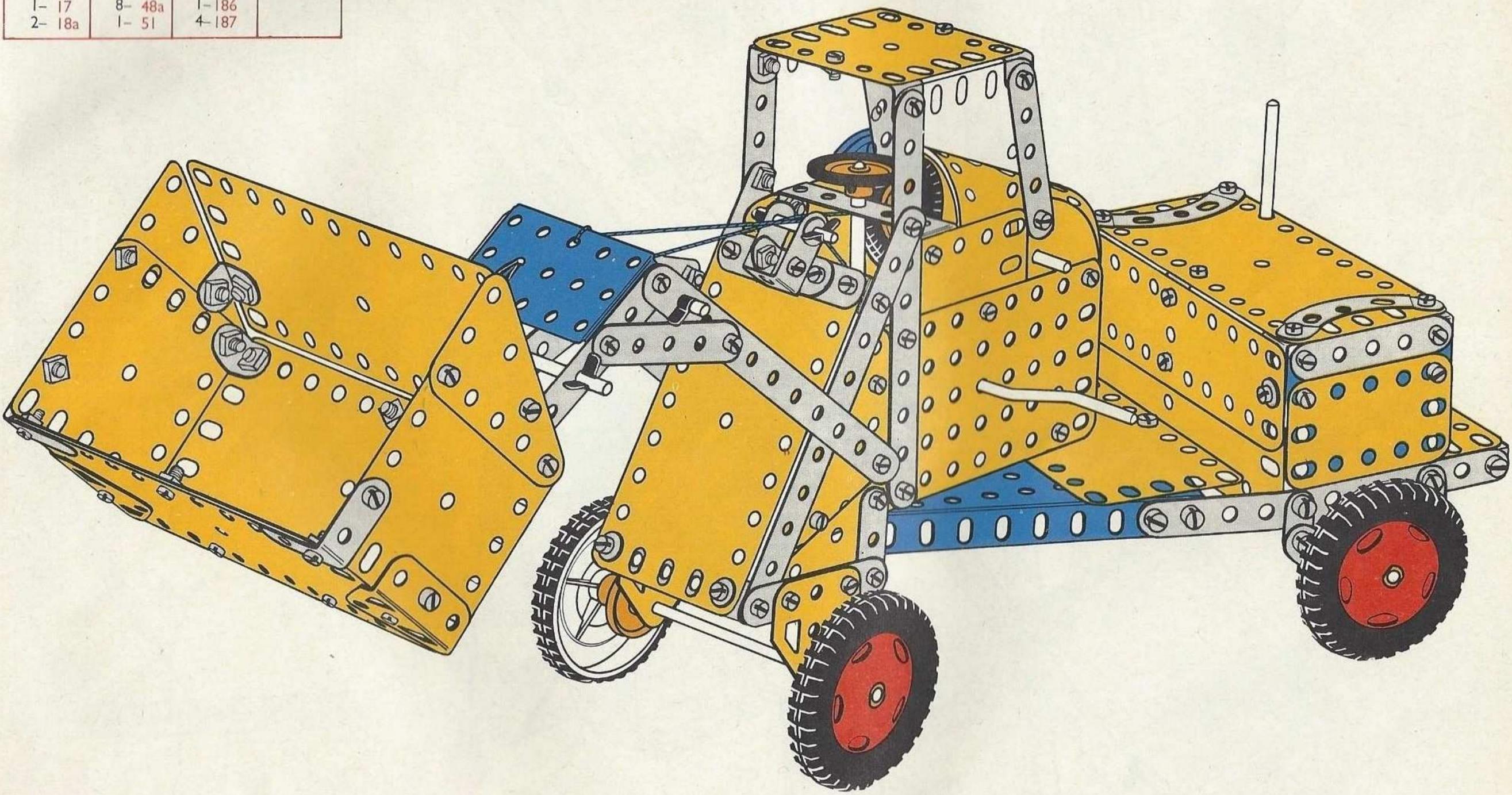


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2- 3	2- 24c	2-111a	1-193c
12- 5	1- 26	5-111c	1-193e
2- 6a	1- 27a	1-115	1-199
4- 8	7- 35	2-125	1-200
2- 10	146- 37a	2-126	2-212a
4- 11	134- 37b	2-126a	1-213
10- 12	8- 38	1-155	2-214
2- 12a	2- 38d	*1-186a	2-215
2- 15	1- 48	1-186a	4-221
1- 16	8- 48a	4-187	1-222
2- 17	1- 51	3-188	*1-M2
2- 18a	1- 52	4-189	
4- 22	2- 53a	4-190	
*1- 23a	2- 54	2-191	

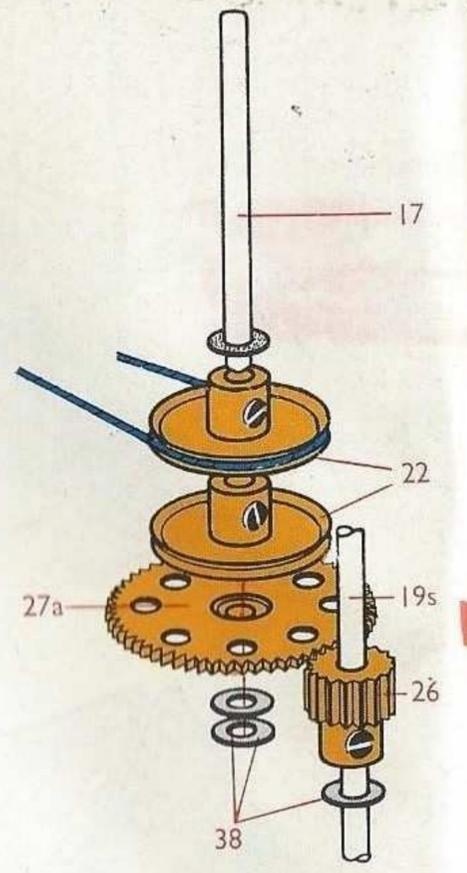
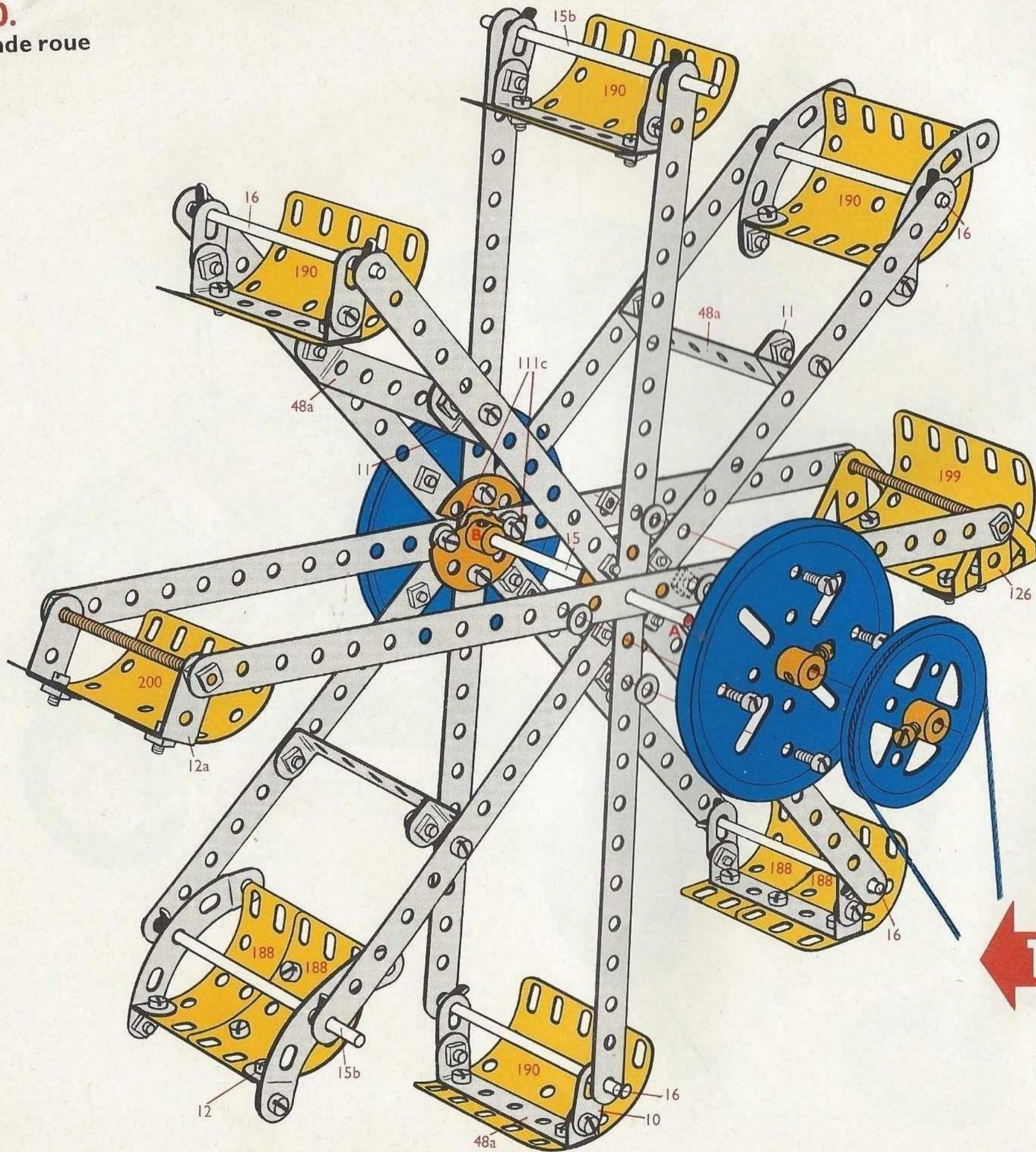
* Non inclus dans la boîte



14- 2	1- 19s	1- 52	4-188
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12- 5	5- 22	2- 54	4-190
2- 6a	1- 23	4- 90a	2-191
4- 10	2- 24	5-111c	4-192
4- 11	1- 26	1-115	2-193a
1- 11a	1- 27a	3-125	2-194a
12- 12	15- 35	2-126	1-199
2- 12a	146- 37a	2-126a	1-200
2- 15	130- 37b	1-142c	1-213
1- 15a	18- 38	1-147b	2-214
2- 15b	1- 40	1-155	4-221
3- 16	2- 48	1-176	2-222
1- 17	8- 48a	1-186	
2- 18a	1- 51	4-187	



6.10.
Grande roue



2-	1	1-	40
14-	2	1-	45
12-	5	2-	48
2-	6a	1-	51
4-	8	1-	52
1-	11a	2-	53a
8-	12	2-	99
1-	17	1-	115
2-	18a	2-	125
1-	19s	1-	176
3-	22	1-	186a
1-	23a	2-	192
1-	26	1-	213
1-	27a	2-	214
4-	35	4-	221
73-	37a	4-	222
71-	37b		
5-	38		

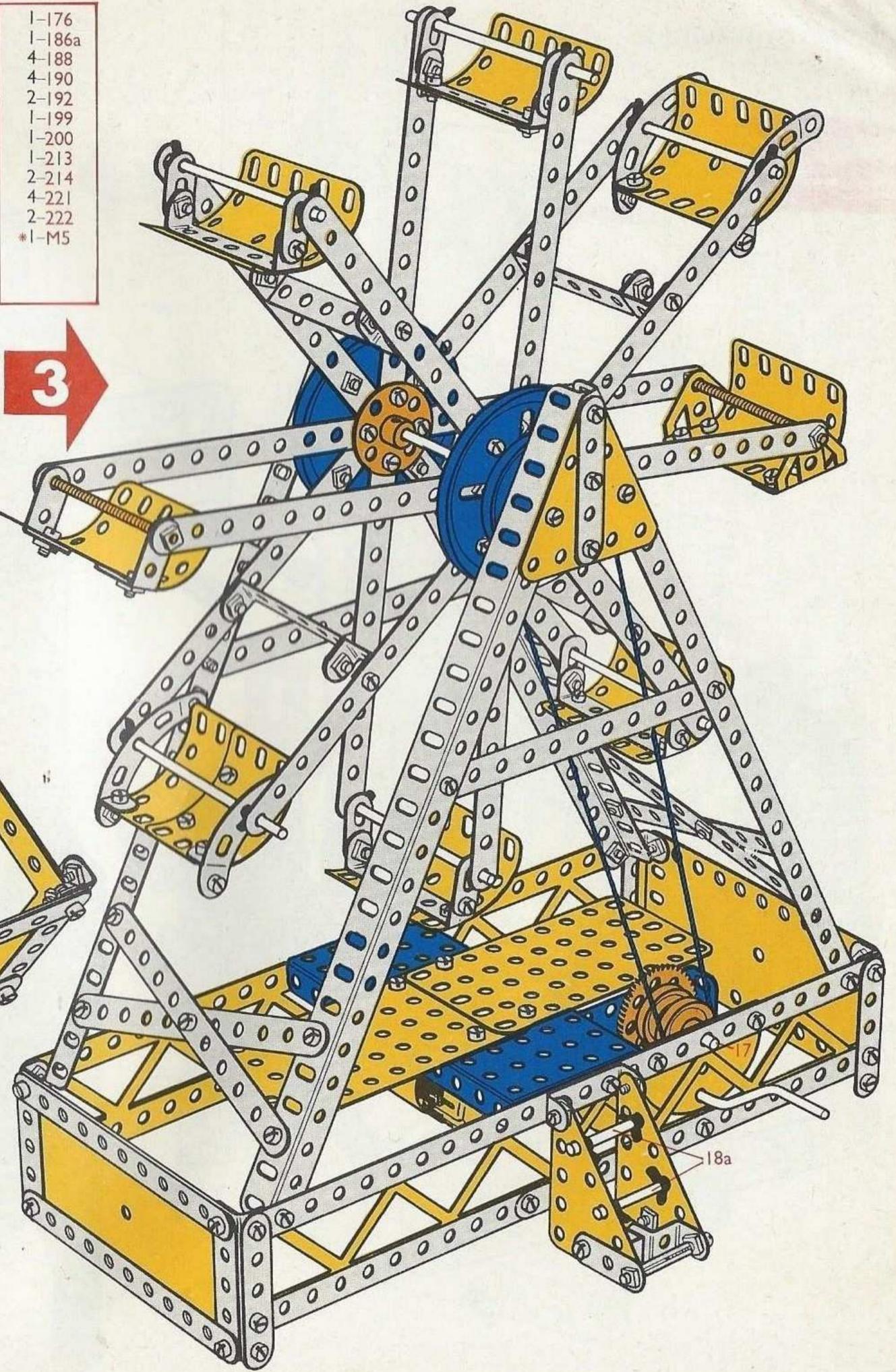
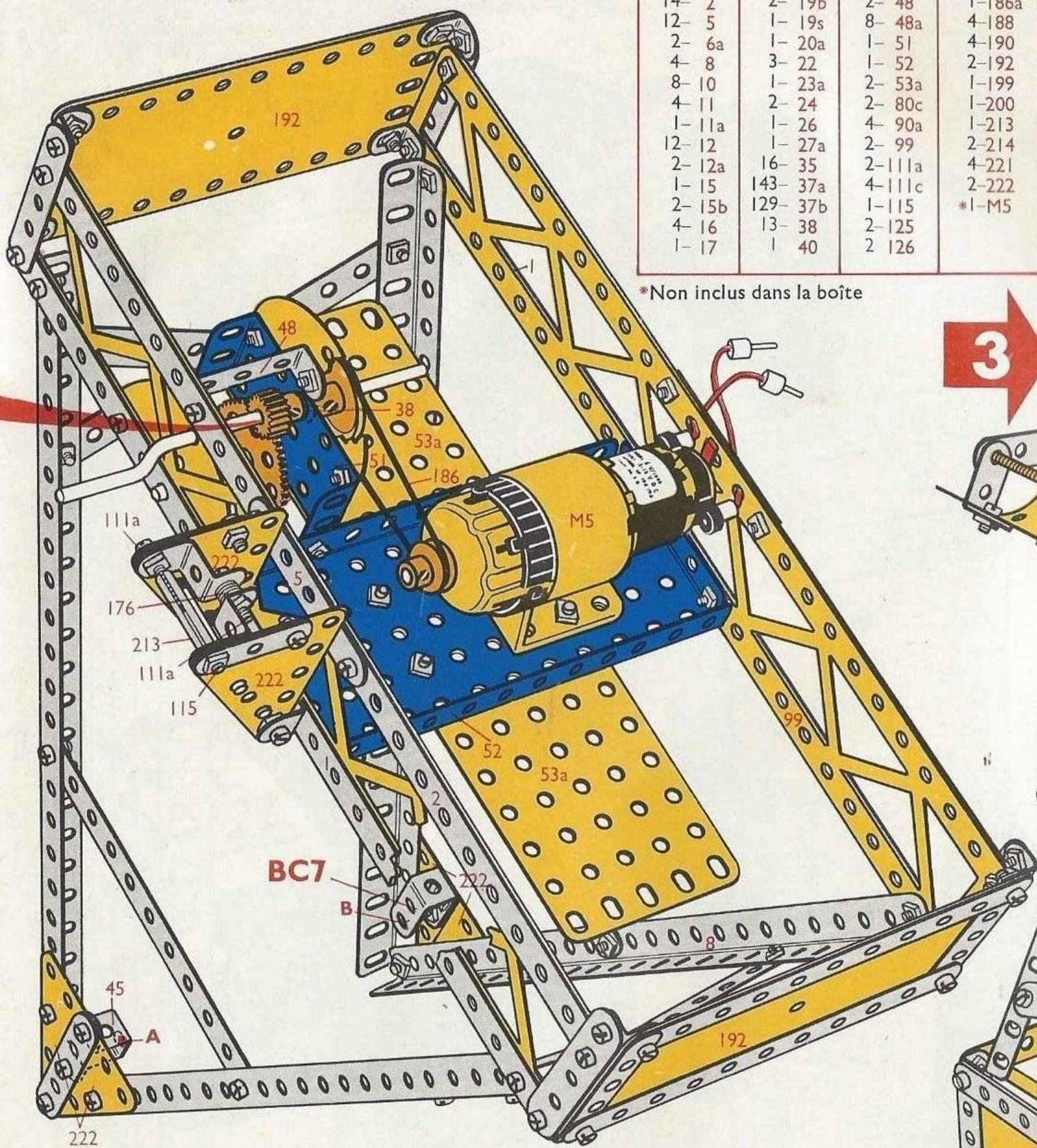


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8-	10	58-	37b
4-	11	8-	38
4-	12	8-	48a
2-	12a	2-	80c
1-	15	4-	90a
2-	15b	4-	111c
4-	16	2-	126
2-	19b	4-	188
1-	20a	4-	190
2-	24	1-	199
12-	35	1-	200



10- 1	2- 18a	1- 45	1-176
14- 2	2- 19b	2- 48	1-186a
12- 5	1- 19s	8- 48a	4-188
2- 6a	1- 20a	1- 51	4-190
4- 8	3- 22	1- 52	2-192
8-10	1- 23a	2- 53a	1-199
4-11	2- 24	2- 80c	1-200
1-11a	1- 26	4- 90a	1-213
12-12	1- 27a	2- 99	2-214
2-12a	16- 35	2-111a	4-221
1-15	143- 37a	4-111c	2-222
2-15b	129- 37b	1-115	*1-M5
4-16	13- 38	2-125	
1-17	1- 40	2-126	

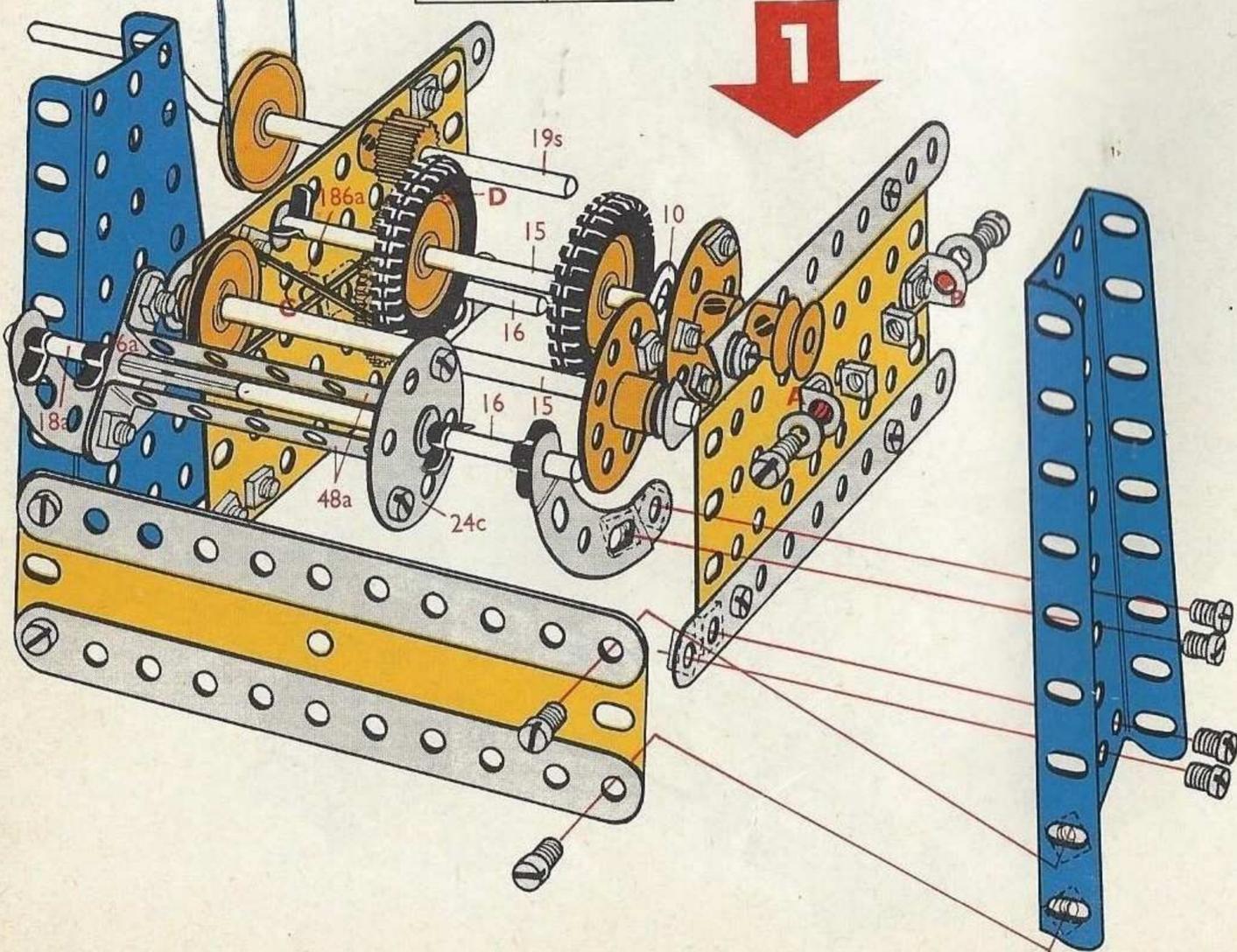
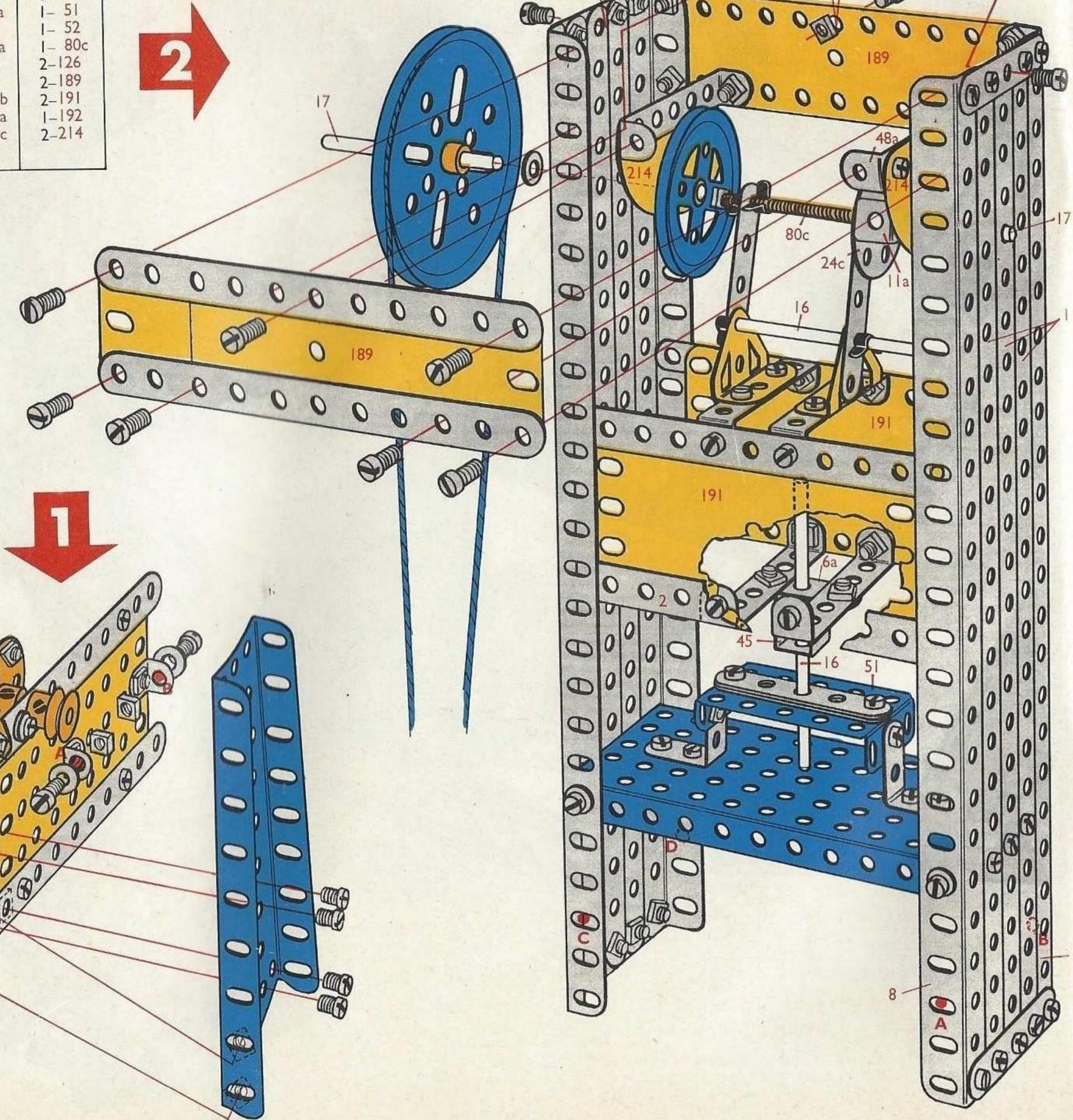
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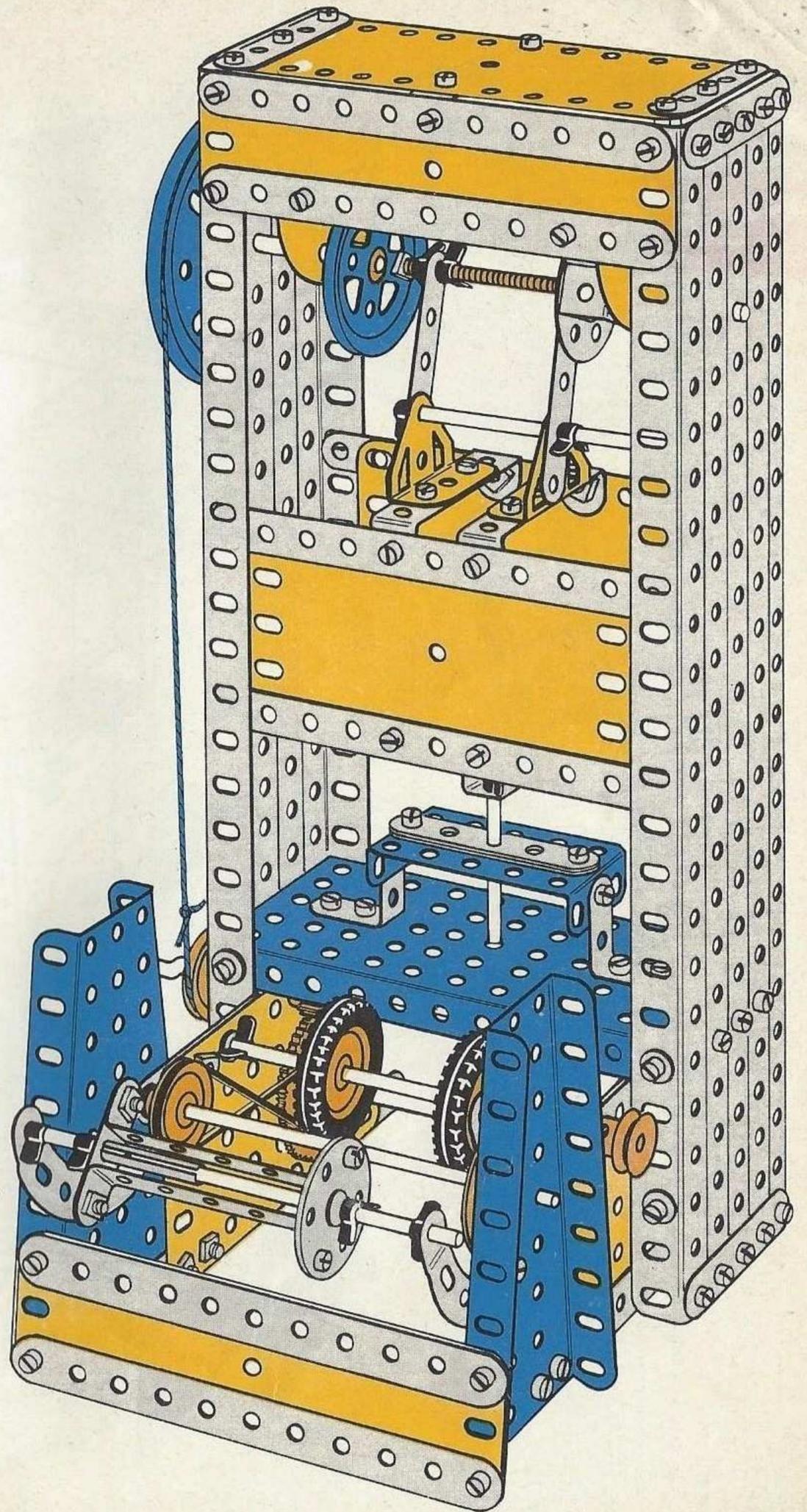
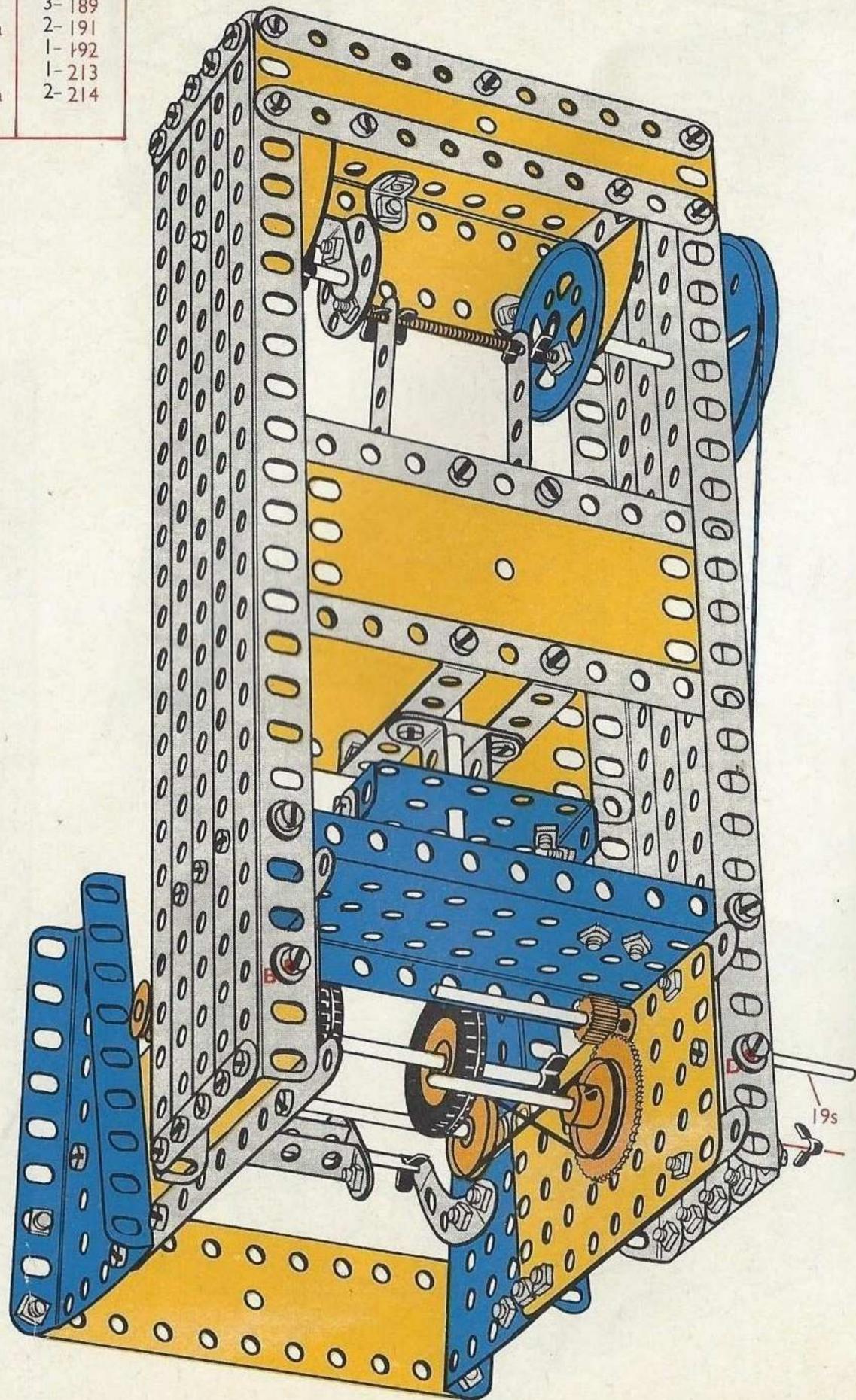
6.11. Presse hydraulique

6-	1	79-	37a
8-	2	75-	37b
11-	5	8-	38
1-	6a	1-	45
4-	8	6-	48a
1-	11a	1-	51
4-	12	1-	52
2-	12a	1-	80c
2-	16	2-	126
2-	17	2-	189
1-	19b	2-	191
1-	20a	1-	192
1-	24c	2-	214
10-	35		

6-	2	6-	35
1-	10	37-	37a
4-	12	37-	37b
2-	15	11-	38
2-	16	1-	40
1-	18a	2-	48a
1-	19s	2-	53a
5-	22	2-	54
1-	23a	2-	90a
2-	24	2-	142c
1-	24c	1-	186a
1-	26	1-	189
1-	27a	1-	213

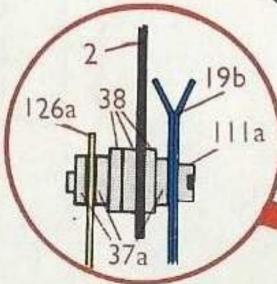
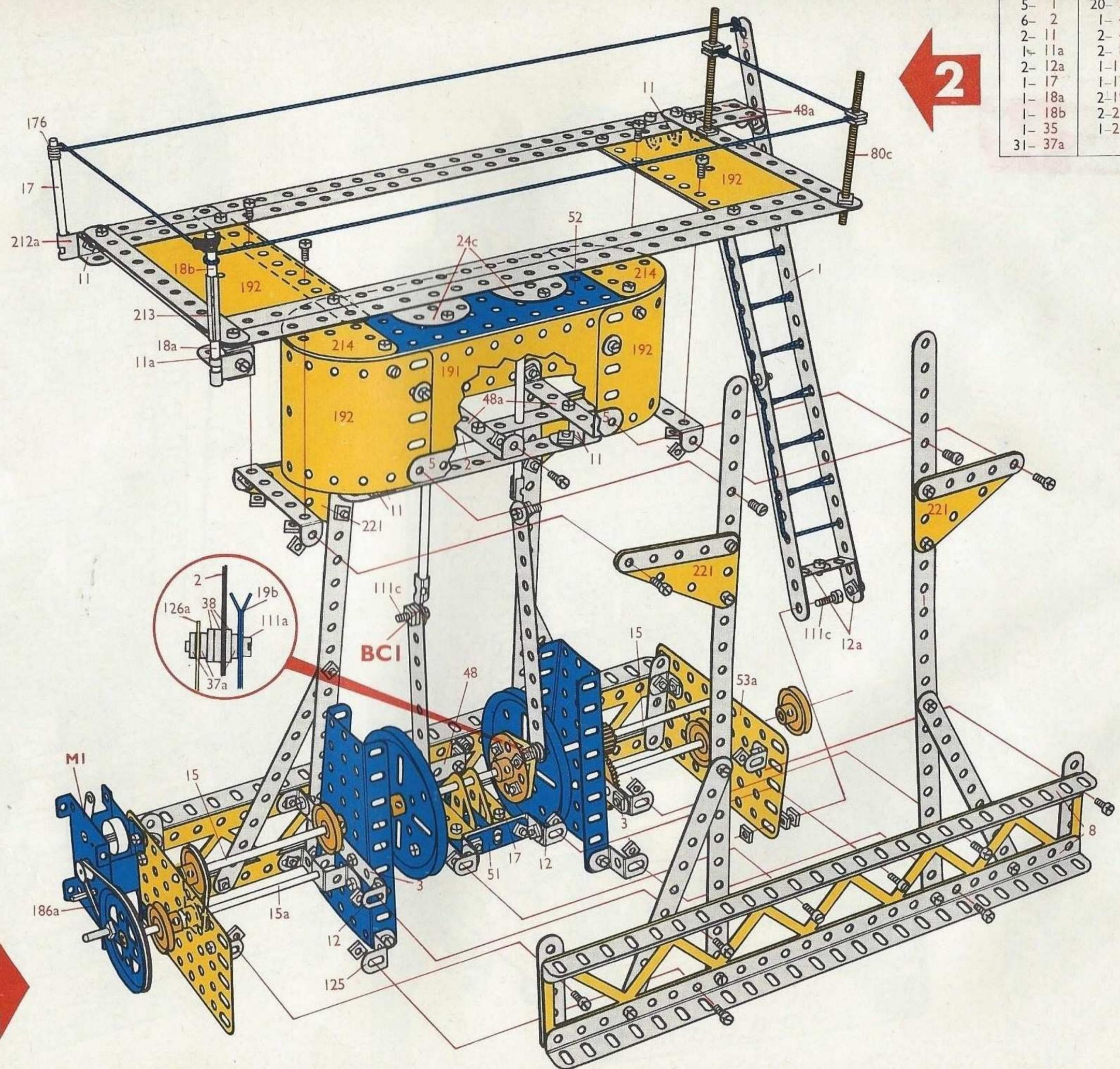


6-	1	2-	17	16-	35	1-	80c
14-	2	1-	18a	116-	37a	2-	90a
11-	5	1-	19b	112-	37b	2-	126
1-	6a	1-	19s	19-	38	2-	142c
4-	8	1-	20a	1-	40	1-	186a
1-	10	5-	22	1-	45	3-	189
1-	11a	1-	23a	8-	48a	2-	191
8-	12	2-	24	1-	51	1-	192
2-	12a	2-	24c	1-	52	1-	213
2-	15	1-	26	2-	53a	2-	214
4-	16	1-	27a	2-	54		



6.12. Moteur marin

5-	1	20-	37b
6-	2	1-	40
2-	11	2-	48a
1-	11a	2-	80c
2-	12a	1-	111c
1-	17	1-	176
1-	18a	2-	192
1-	18b	2-	212a
1-	35	1-	213
31-	37a		

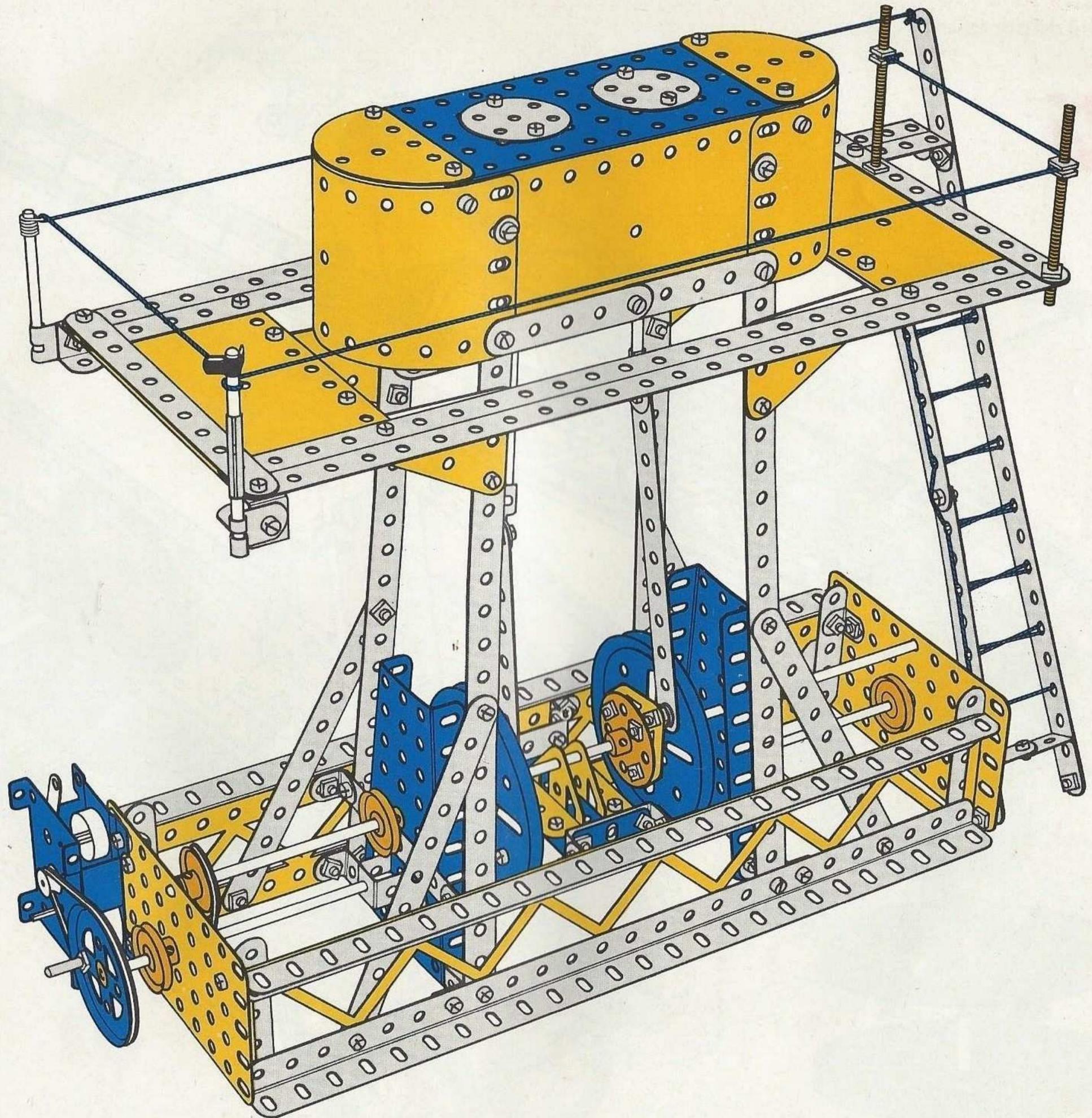


4-	1	1-	45
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2-	3	5-	48a
12-	5	1-	51
4-	8	1-	52
2-	11	2-	53a
12-	12	2-	54
2-	15	2-	99
1-	15a	2-	111a
1-	15b	2-	111c
2-	16	1-	115
1-	17	4-	125
2-	19b	2-	126
1-	20a	2-	126a
5-	22	1-	186
1-	23a	1-	186a
2-	24	2-	191
2-	24c	2-	192
1-	26	2-	212
1-	27a	2-	214
111-	37a	4-	221
101-	37b		
13-	38		

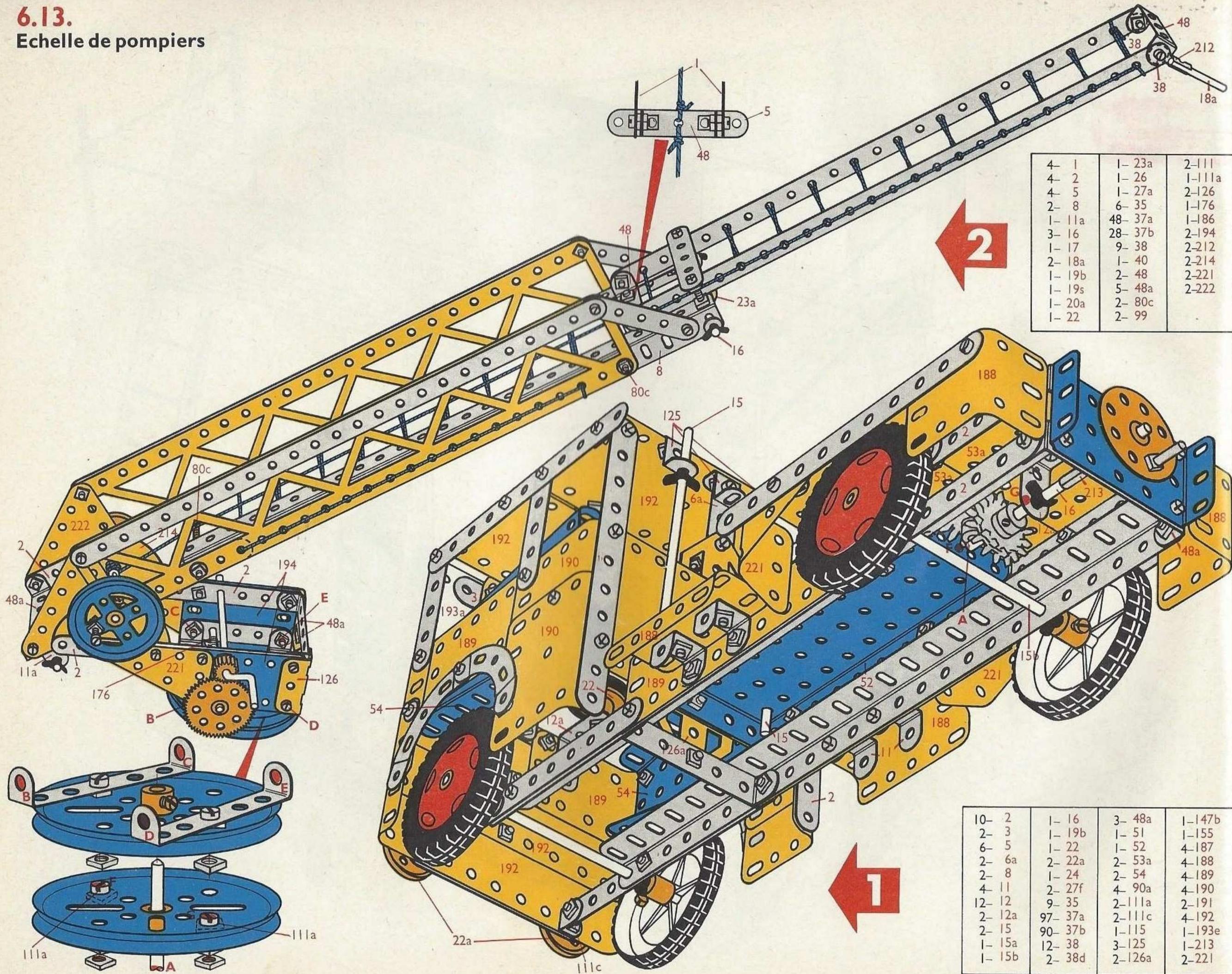


9-	1	1-	18a	1-	40	2-	126
14-	2	1-	18b	1-	45	2-	126a
2-	3	2-	19b	2-	48	1-	176
12-	5	1-	20a	7-	48a	1-	186
4-	8	5-	22	1-	51	1-	186a
4-	11	1-	23a	1-	52	2-	191
1-	11a	2-	24	2-	53a	4-	192
12-	12	2-	24c	2-	54	2-	212
2-	12a	1-	26	2-	80c	2-	212a
2-	15	1-	27a	2-	99	1-	213
1-	15a	1-	35	2-	111a	2-	214
1-	15b	142-	37a	3-	111c	4-	221
2-	16	121-	37b	1-	115	*1-	M1
2-	17	13-	38	4-	125		

*Non inclus dans la boîte



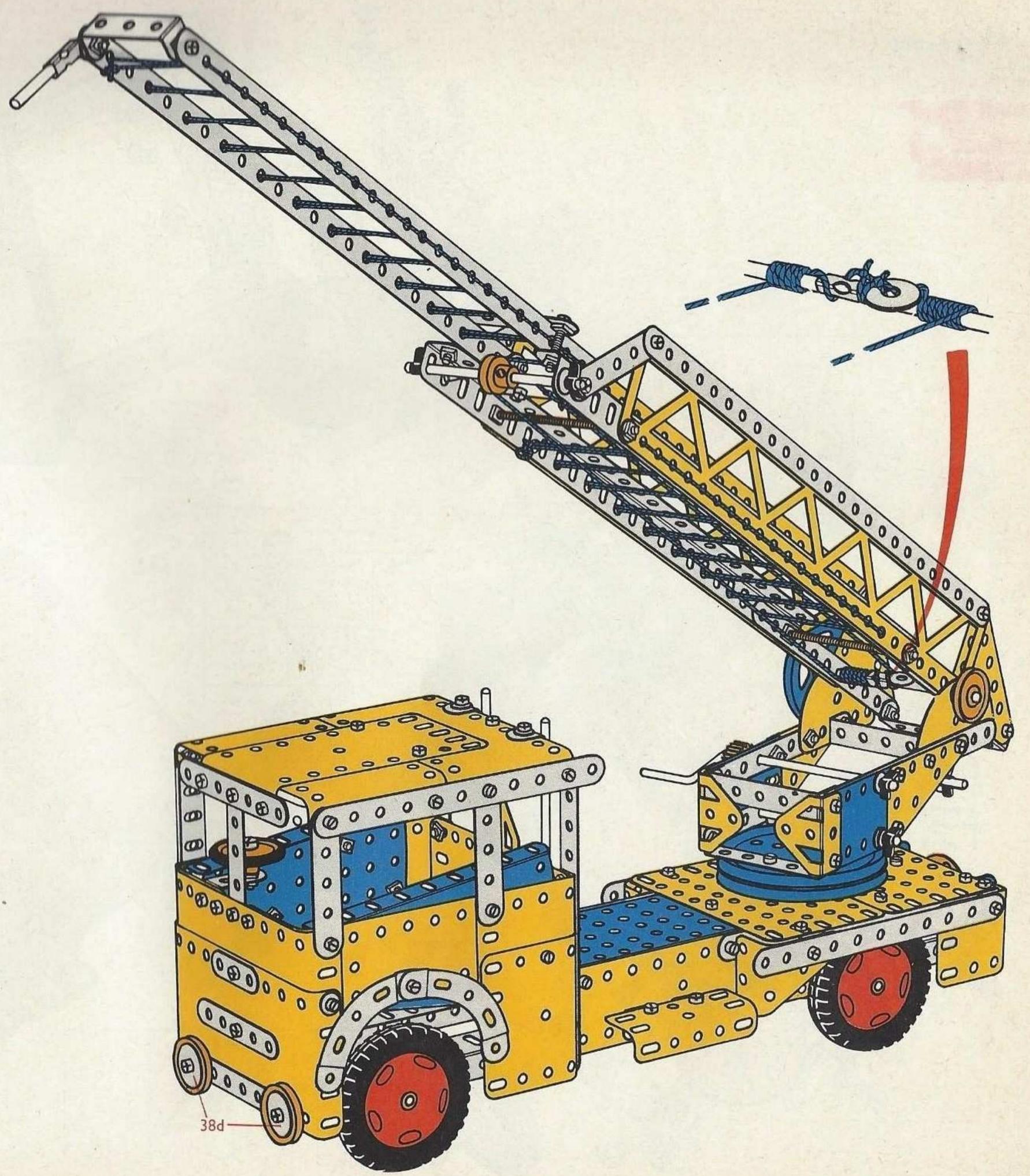
6.13. Echelle de pompiers



4- 1	1- 23a	2-111
4- 2	1- 26	1-111a
4- 5	1- 27a	2-126
2- 8	6- 35	1-176
1- 11a	48- 37a	1-186
3- 16	28- 37b	2-194
1- 17	9- 38	2-212
2- 18a	1- 40	2-214
1- 19b	2- 48	2-221
1- 19s	5- 48a	2-222
1- 20a	2- 80c	
1- 22	2- 99	

10- 2	1- 16	3- 48a	1-147b
2- 3	1- 19b	1- 51	1-155
6- 5	1- 22	1- 52	4-187
2- 6a	2- 22a	2- 53a	4-188
2- 8	1- 24	2- 54	4-189
4- 11	2- 27f	4- 90a	4-190
12- 12	9- 35	2-111a	2-191
2- 12a	97- 37a	2-111c	4-192
2- 15	90- 37b	1-115	1-193e
1- 15a	12- 38	3-125	1-213
1- 15b	2- 38d	2-126a	2-221

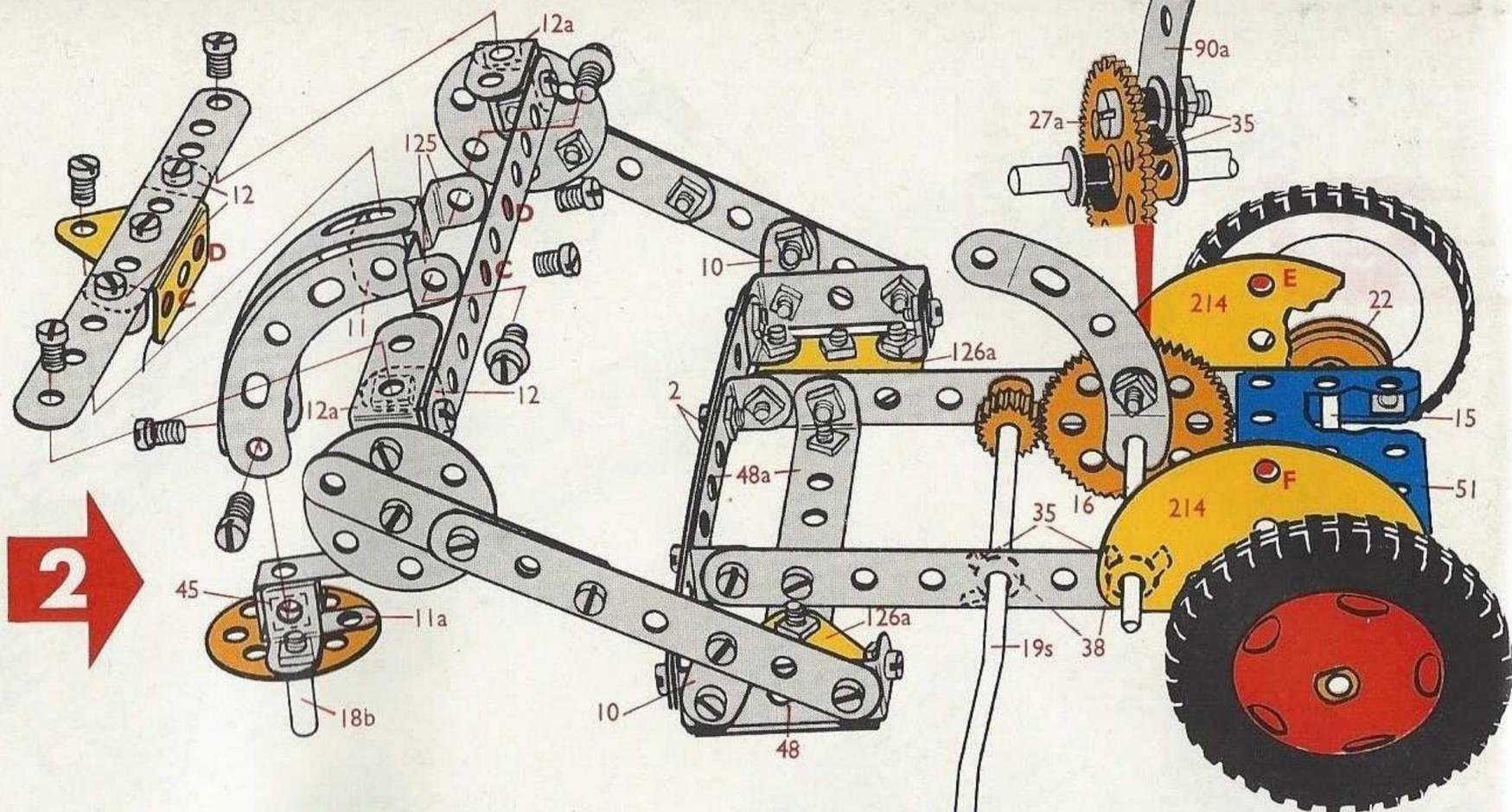
4- 1	2- 19b	2- 48	1- 147b
14- 2	1- 19s	8- 48a	1- 155
2- 3	1- 20a	1- 51	1- 176
10- 5	2- 22	1- 52	4- 187
2- 6a	2- 22a	2- 53a	4- 188
4- 8	1- 23a	2- 54	4- 189
4- 11	1- 24	2- 80c	4- 190
1- 11a	1- 26	4- 90a	2- 191
12- 12	1- 27a	2- 99	4- 192
2- 12a	2- 27f	2- 111	1- 193e
2- 15	15- 35	3- 111a	2- 194
1- 15a	145- 37a	2- 111c	2- 212
1- 15b	118- 37b	1- 115	1- 213
4- 16	21- 38	3- 125	2- 214
1- 17	2- 38d	2- 126	4- 221
2- 18a	1- 40	2- 126a	2- 222



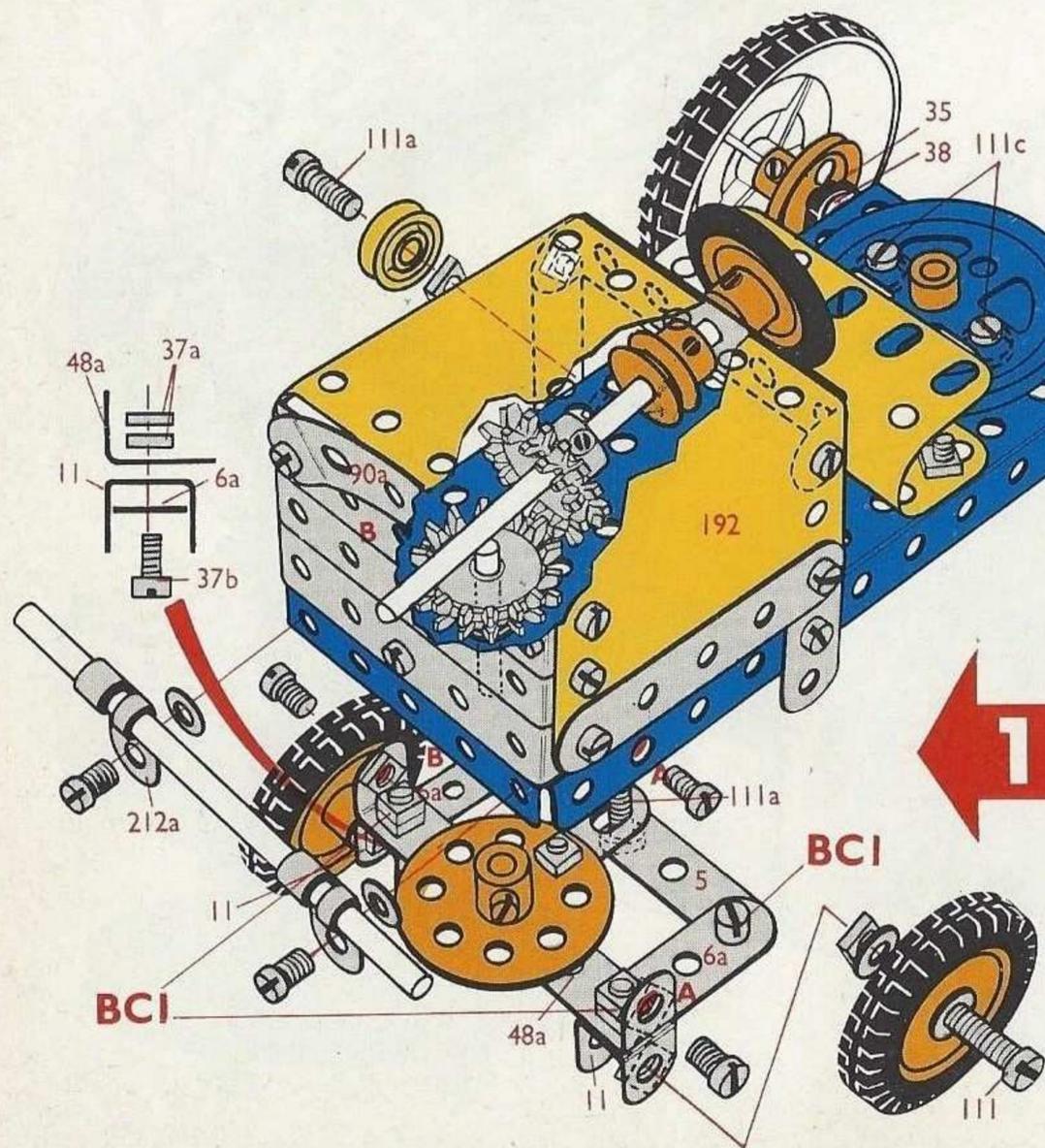
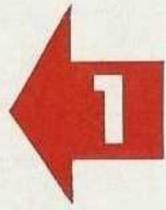
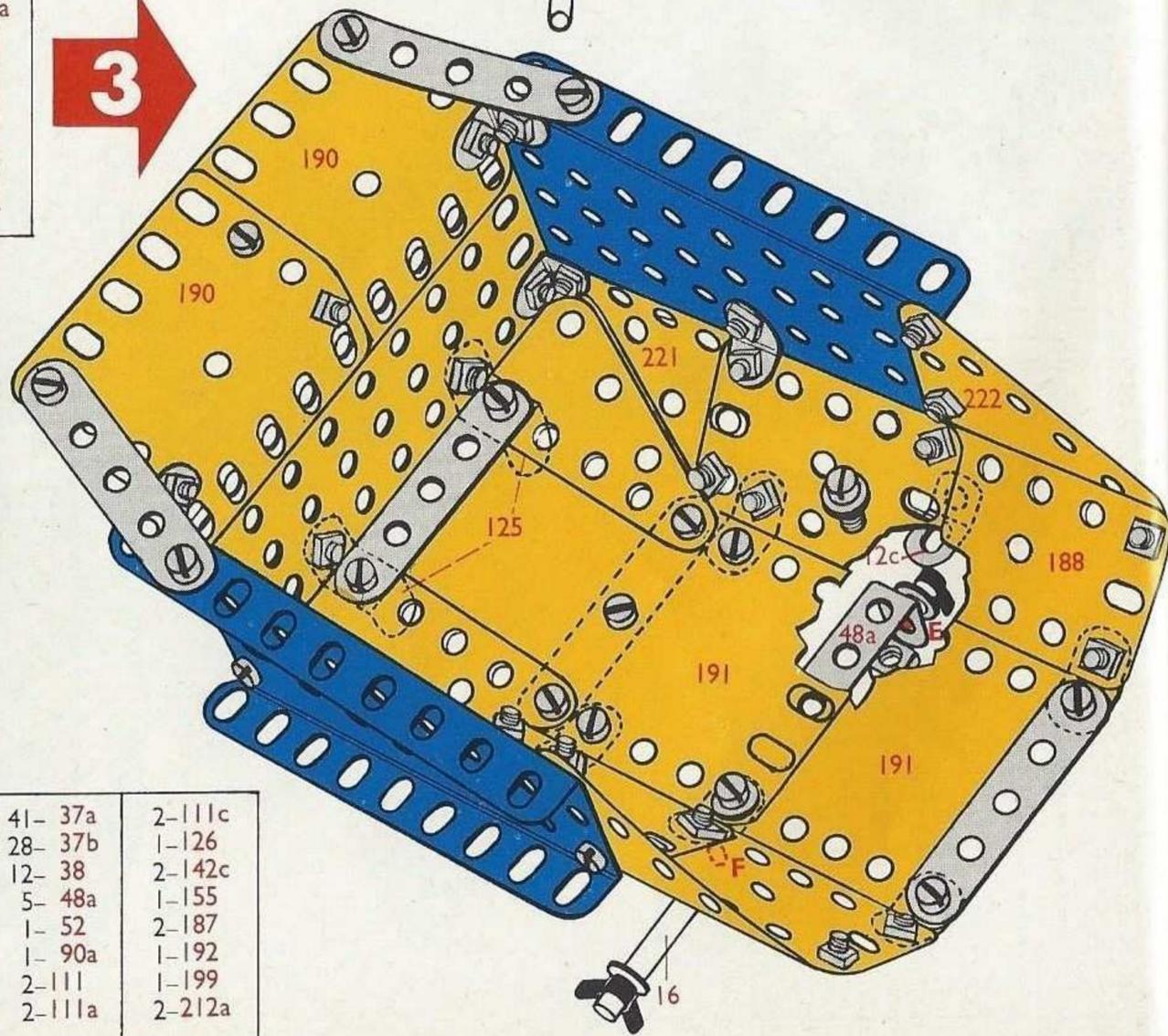
38d

6.14. Chargeuse

7- 2	1- 16	58- 37a	1-126
2- 3	1- 18b	58- 37b	2-126a
2- 5	1- 19s	8- 38	1-147b
2-10	2- 22	1- 45	2-187
1-11	1- 24	2- 48	2-214
1-11a	2- 24c	2- 48a	1-215
8-12	1- 26	1- 51	
2-12a	1- 27a	3- 90a	
1-15	5- 35	2-125	

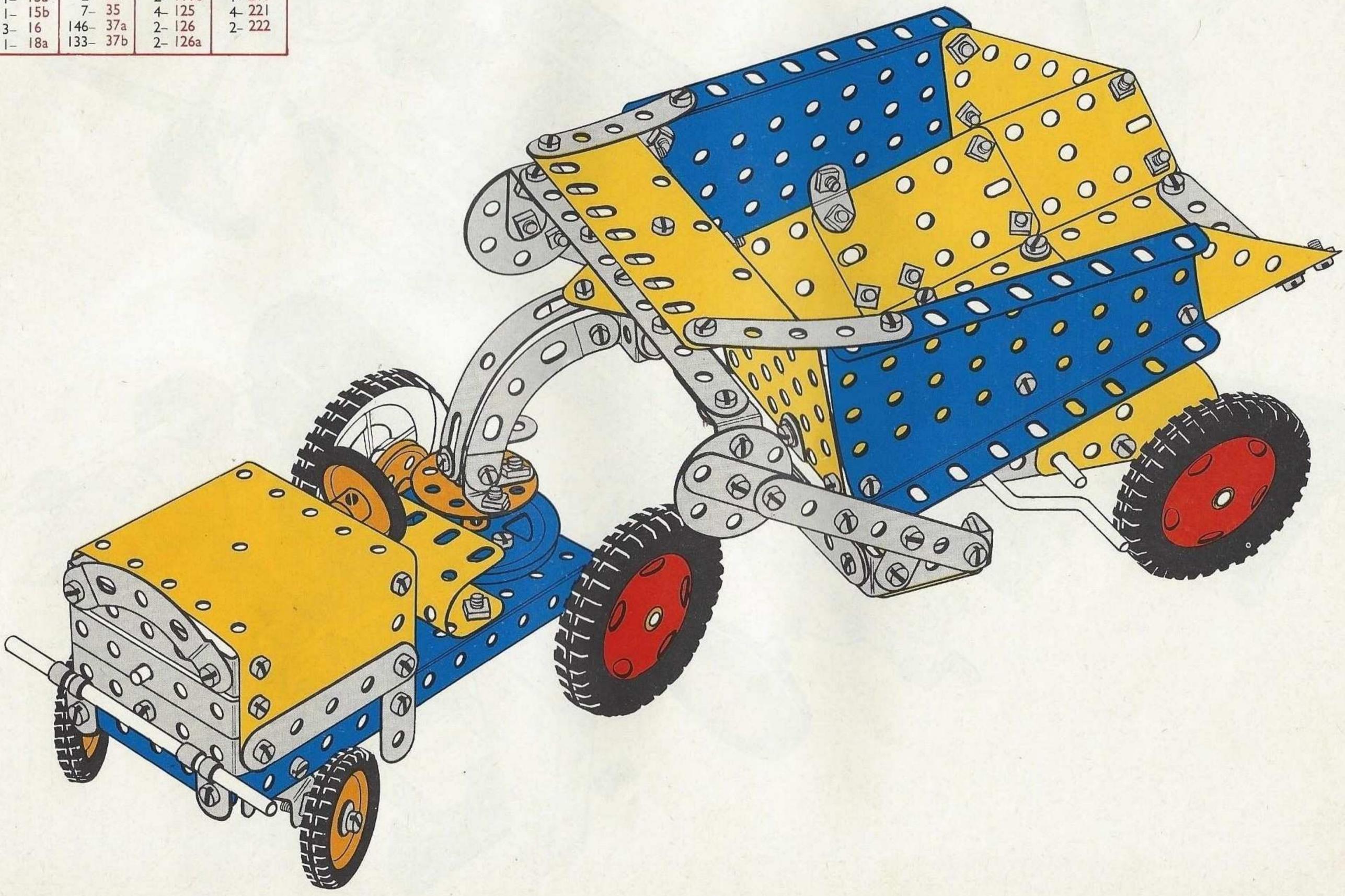


5- 5	1- 53a
4-12	2- 54
8-12c	2-125
1- 16	4-188
47- 37a	2-190
47- 37b	2-191
4- 38	4-221
1- 48a	2-222



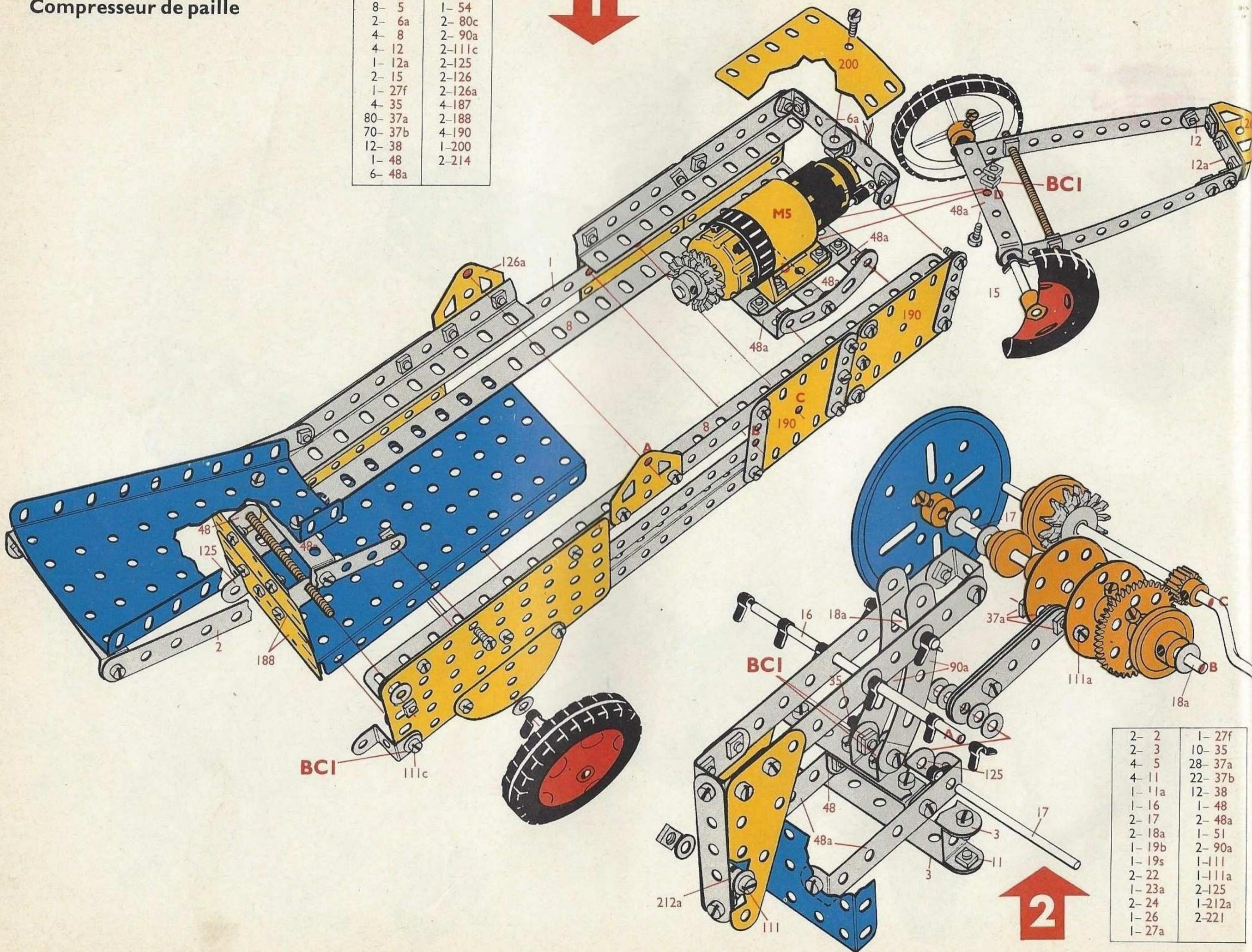
5- 5	1- 20a	41- 37a	2-111c
2- 6a	3- 22	28- 37b	1-126
1- 10	2- 22a	12- 38	2-142c
2-11	1- 23	5- 48a	1-155
1-15a	1- 23a	1- 52	2-187
1-15b	1- 24	1- 90a	1-192
1- 16	2- 27f	2-111	1-199
1-18a	2- 35	2-111a	2-212a

7-	2	1-	18b	24-	38	2-	142c
2-	3	1-	19s	1-	45	1-	147b
12-	5	1-	20a	2-	48	1-	155
2-	6a	5-	22	8-	48a	4-	187
3-	10	2-	22a	1-	51	4-	188
3-	11	1-	23	1-	52	2-	190
1-	11a	1-	23a	1-	53a	2-	191
12-	12	2-	24	2-	54	1-	192
2-	12a	2-	24c	4-	90a	1-	199
8-	12c	1-	26	2-	111	2-	212a
1-	15	1-	27a	2-	111a	2-	214
1-	15a	2-	27f	2-	111c	1-	215
1-	15b	7-	35	4-	125	4-	221
3-	16	146-	37a	2-	126	2-	222
1-	18a	133-	37b	2-	126a		



6.15. Compresseur de paille

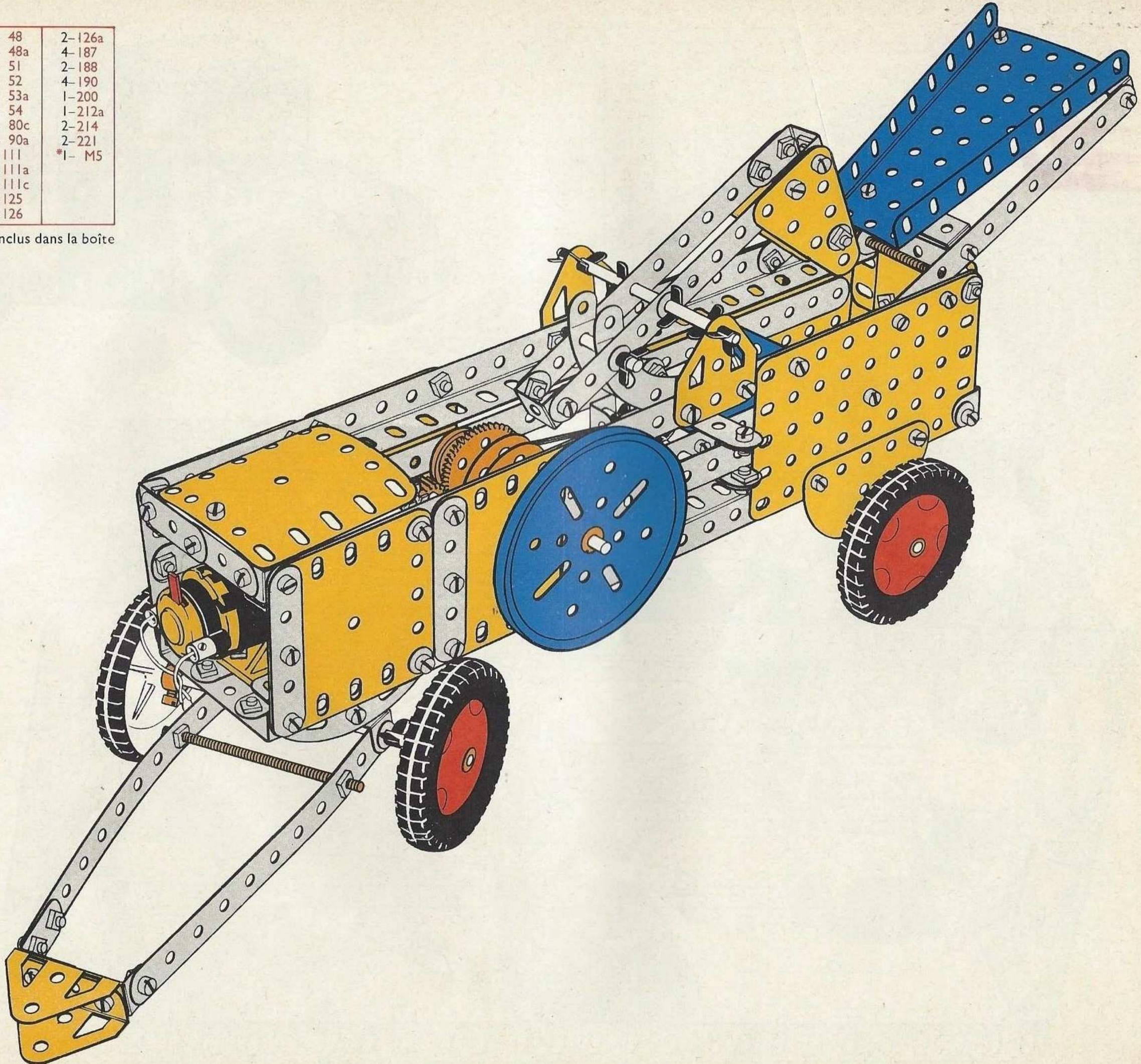
2- 1	1- 52
4- 2	2- 53a
8- 5	1- 54
2- 6a	2- 80c
4- 8	2- 90a
4- 12	2-111c
1- 12a	2-125
2- 15	2-126
1- 27f	2-126a
4- 35	4-187
80- 37a	2-188
70- 37b	4-190
12- 38	1-200
1- 48	2-214
6- 48a	



2- 2	1- 27f
2- 3	10- 35
4- 5	28- 37a
4- 11	22- 37b
1- 11a	12- 38
1- 16	1- 48
2- 17	2- 48a
2- 18a	1- 51
1- 19b	2- 90a
1- 19s	1-111
2- 22	1-111a
1- 23a	2-125
2- 24	1-212a
1- 26	2-221
1- 27a	

2- 1	2- 18a	2- 48	2- 126a
6- 2	1- 19b	8- 48a	4- 187
2- 3	1- 19s	1- 51	2- 188
12- 5	2- 22	1- 52	4- 190
2- 6a	1- 23a	2- 53a	1- 200
4- 8	2- 24	1- 54	1- 212a
4- 11	1- 26	2- 80c	2- 214
1- 11a	1- 27a	4- 90a	2- 221
4- 12	2- 27f	1- 111	*1- M5
1- 12a	14- 35	1- 111a	
2- 15	108- 37a	2- 111c	
1- 16	92- 37b	4- 125	
2- 17	24- 38	2- 126	

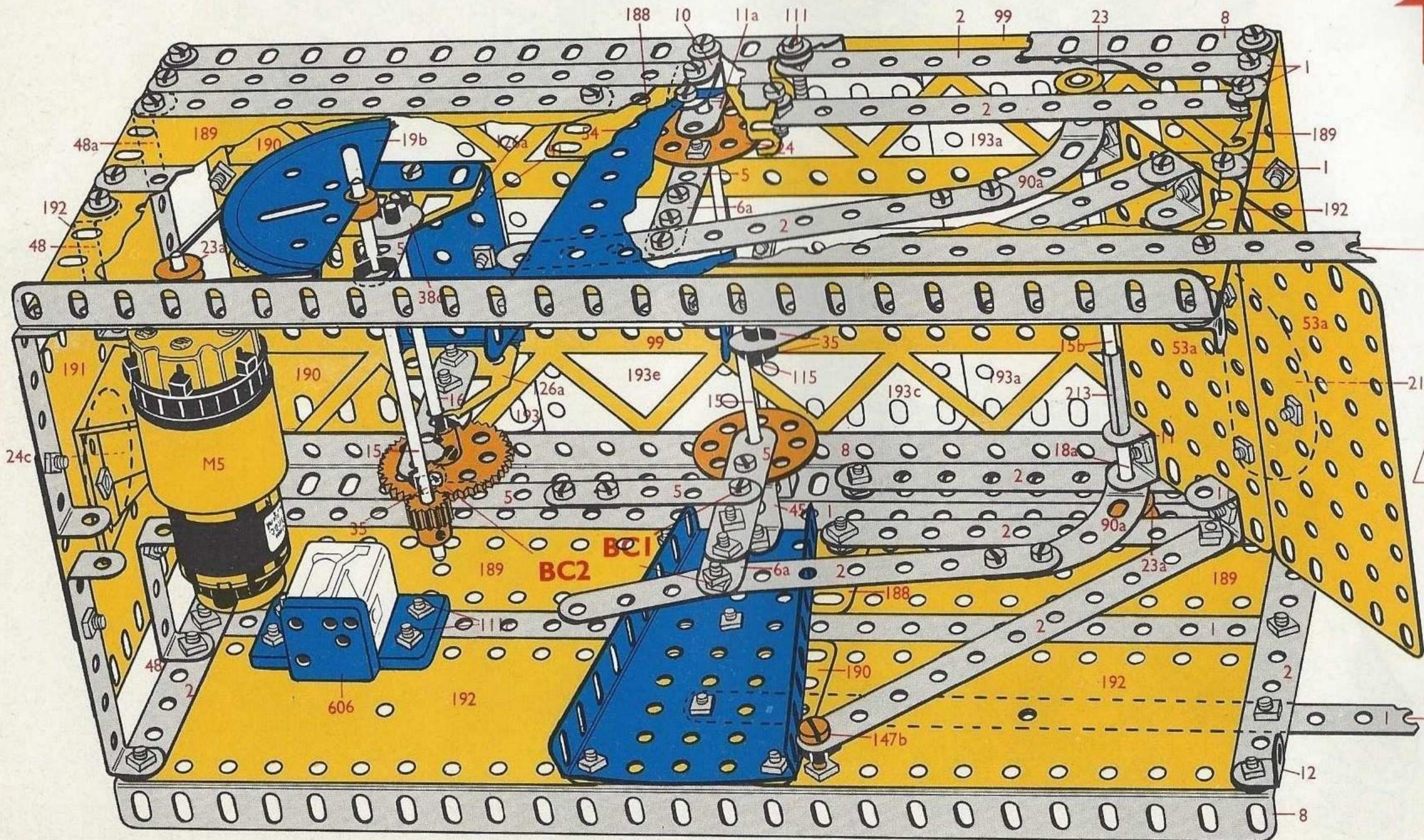
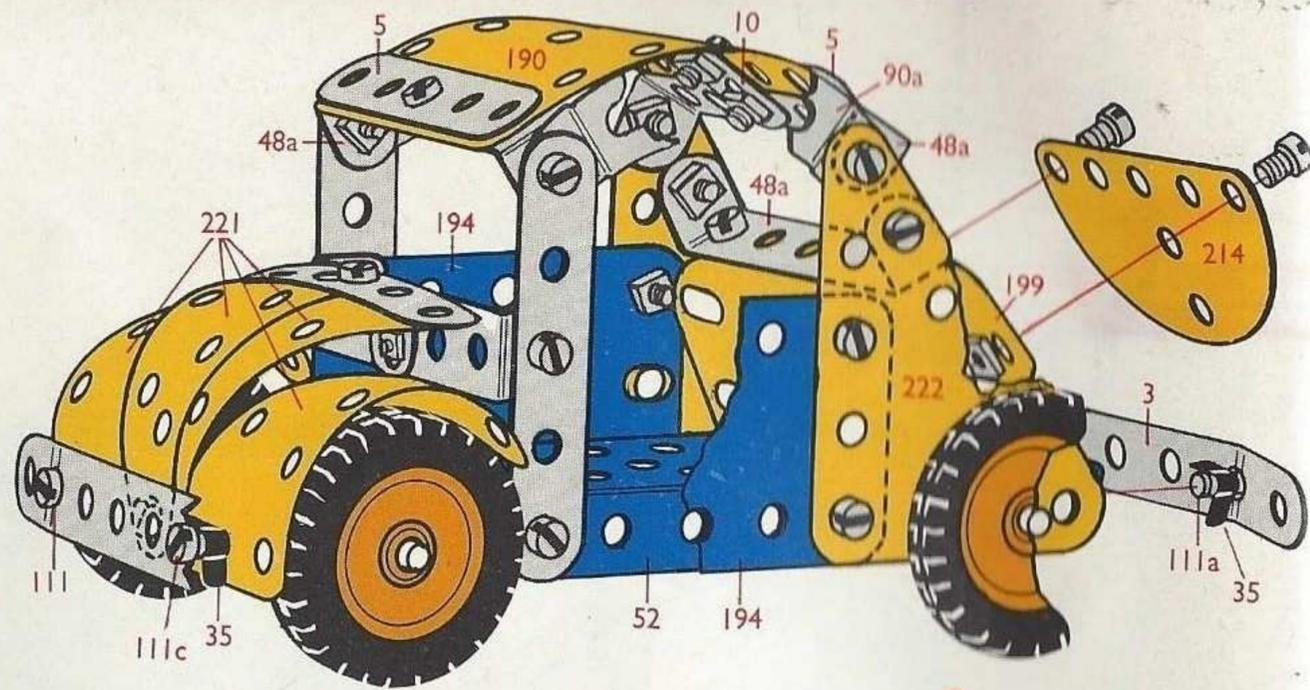
*Non inclus dans la boîte



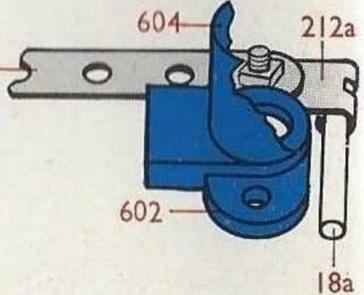
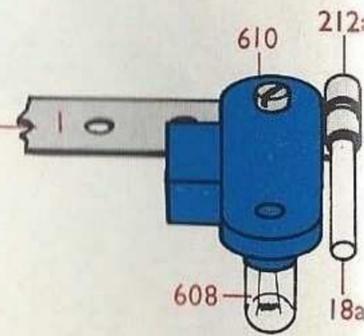
ELECTRONIQUE 6.16.

Voiture et garage

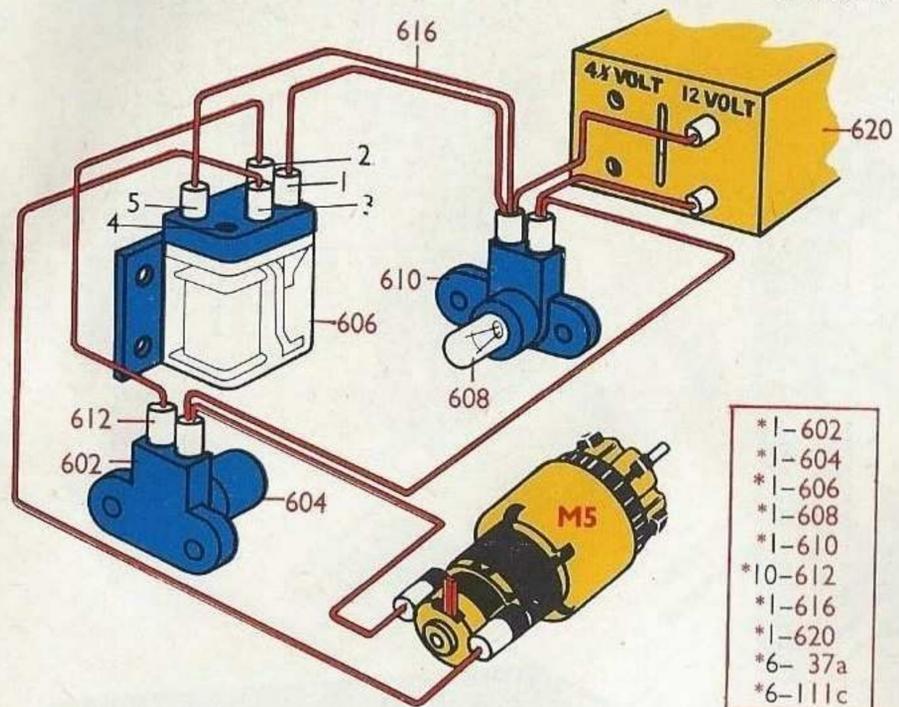
9- 1	1- 23	4- 48a	4- 189
14- 2	1- 23a	1- 51	4- 190
7- 5	*1- 23a	2- 53a	2- 191
2- 6a	2- 24	2- 54	4- 192
4- 8	1- 24c	2- 90a	2- 193
1- 10	1- 26	2- 99	2- 193a
4- 11	1- 27a	1- 111	1- 193c
1- 11a	7- 35	2- 111a	1- 193e
2- 12	115- 37a	5- 111c	2- 212a
2- 15	93- 37b	1- 115	1- 213
1- 15b	24- 38	2- 126a	1- 214
1- 16	2- 38d	1- 147b	
1- 18a	1- 45	1- 186a	
1- 19b	2- 48	4- 188	



2- 3	2- 90a
5- 5	1- 111
1- 10	2- 111a
1- 12	1- 111c
2- 16	4- 142c
4- 22	2- 194
4- 35	1- 199
28- 37a	1- 200
24- 37b	1- 214
4- 48a	4- 221
1- 52	2- 222



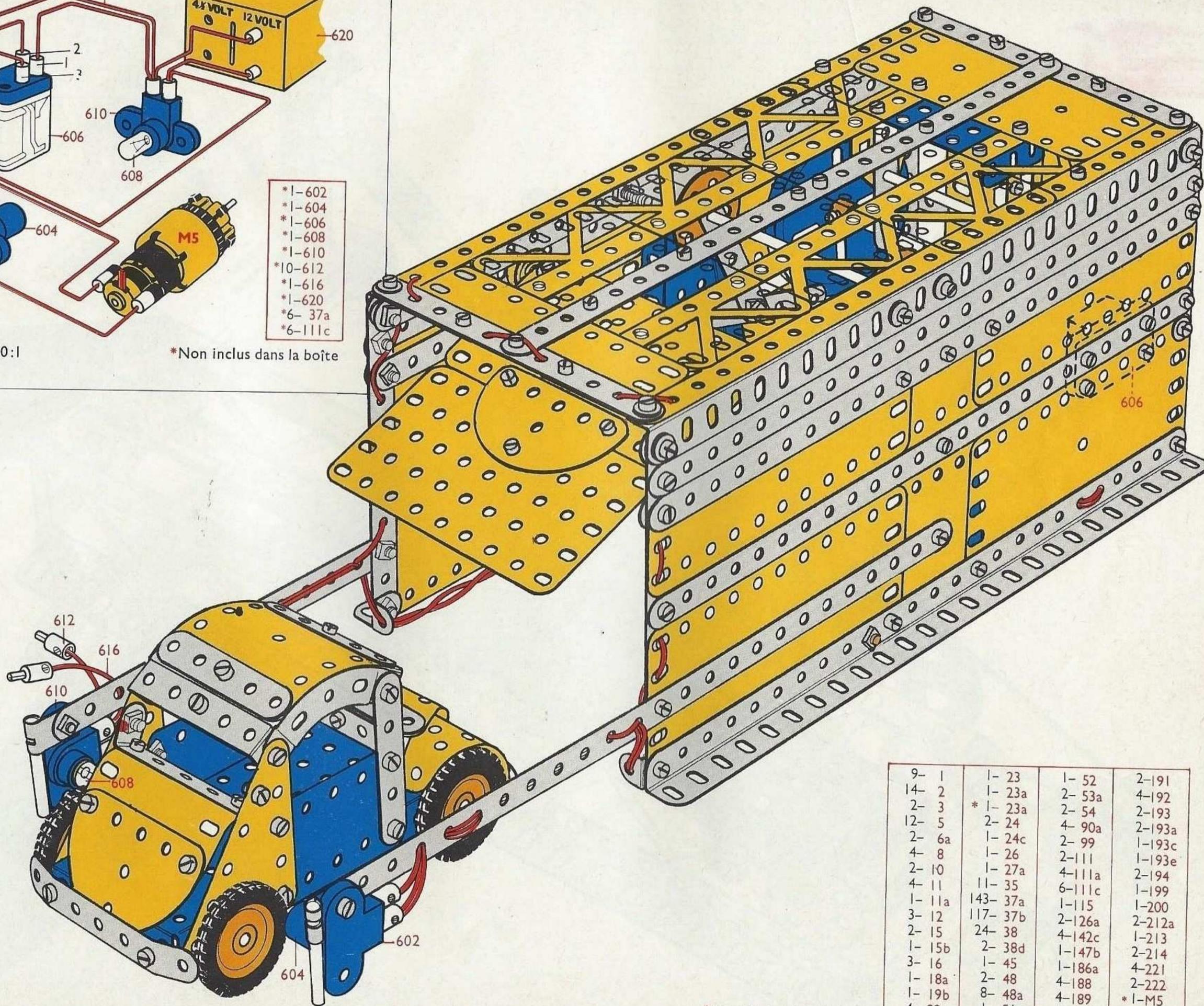
Circuit 'A'



- *1-602
- *1-604
- *1-606
- *1-608
- *1-610
- *10-612
- *1-616
- *1-620
- *6-37a
- *6-111c

Démultiplication 60:1

*Non inclus dans la boîte



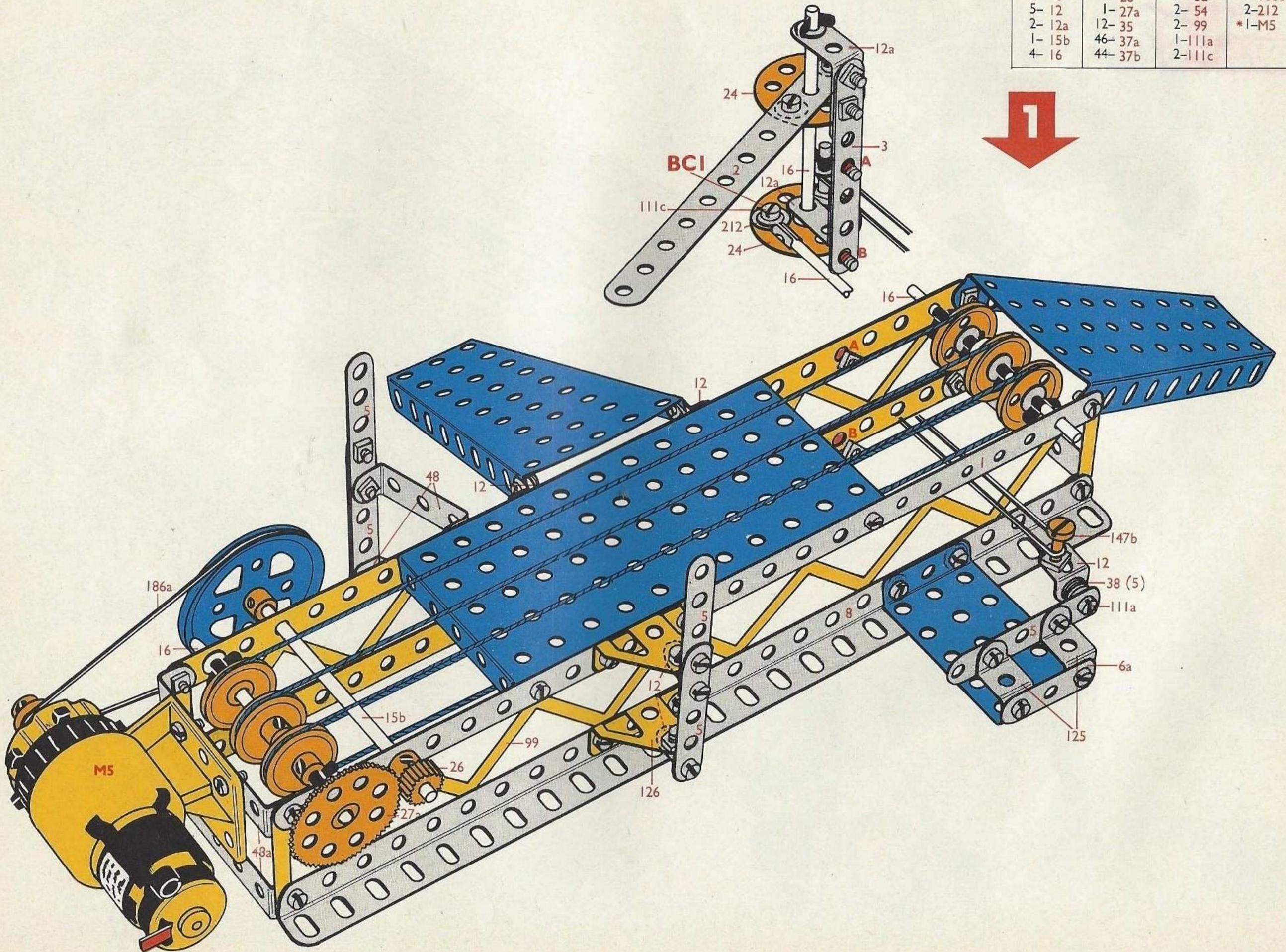
9- 1	1- 23	1- 52	2-191
14- 2	1- 23a	2- 53a	4-192
2- 3	* 1- 23a	2- 54	2-193
12- 5	2- 24	4- 90a	2-193a
2- 6a	1- 24c	2- 99	1-193c
4- 8	1- 26	2-111	1-193e
2-10	1- 27a	4-111a	2-194
4-11	11- 35	6-111c	1-199
1-11a	143- 37a	1-115	1-200
3-12	117- 37b	2-126a	2-212a
2-15	24- 38	4-142c	1-213
1-15b	2- 38d	1-147b	2-214
3-16	1- 45	1-186a	4-221
1-18a	2- 48	4-188	2-222
1-19b	8- 48a	4-189	2-222
4-22	1- 51	4-190	* 1-M5

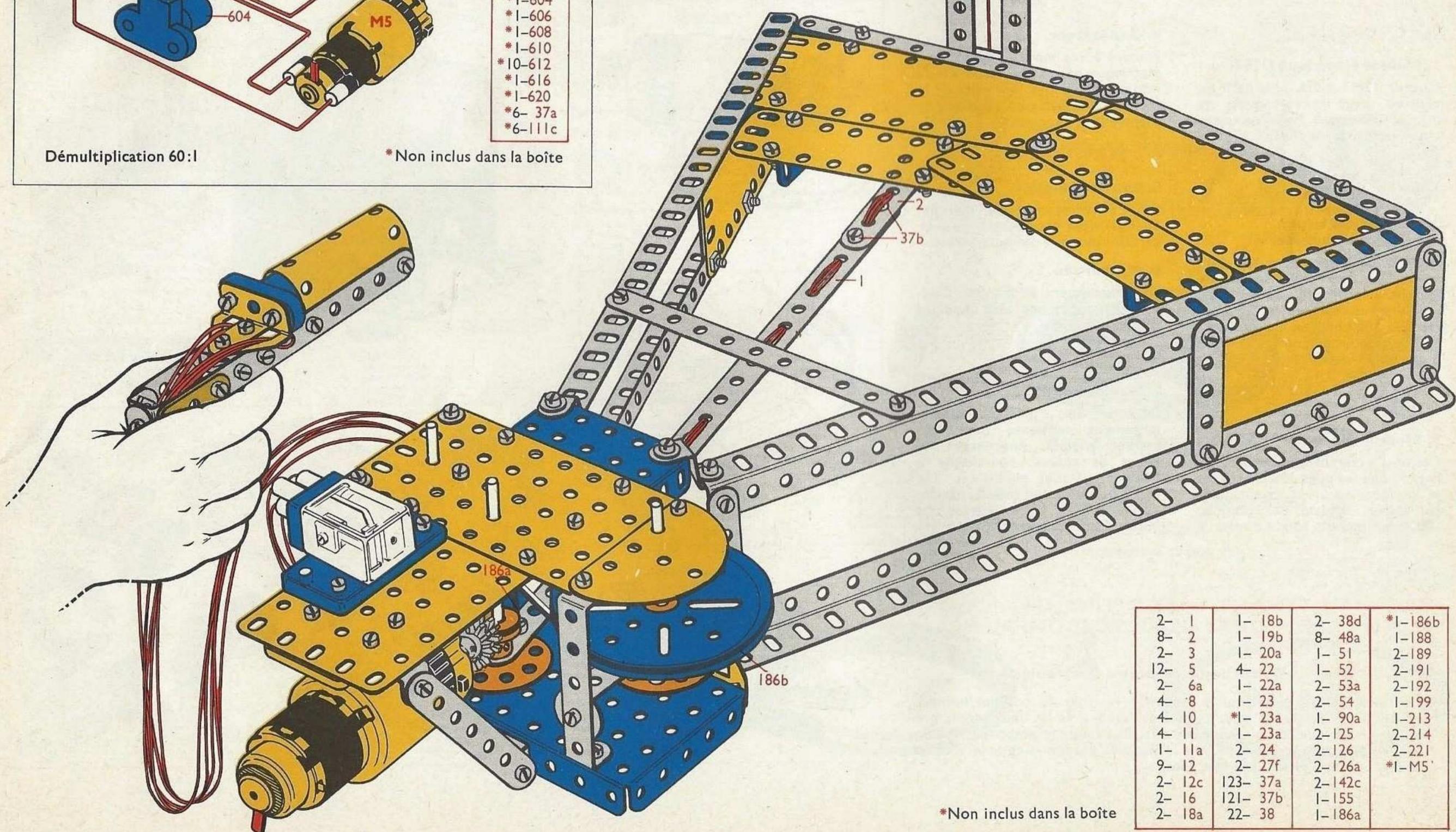
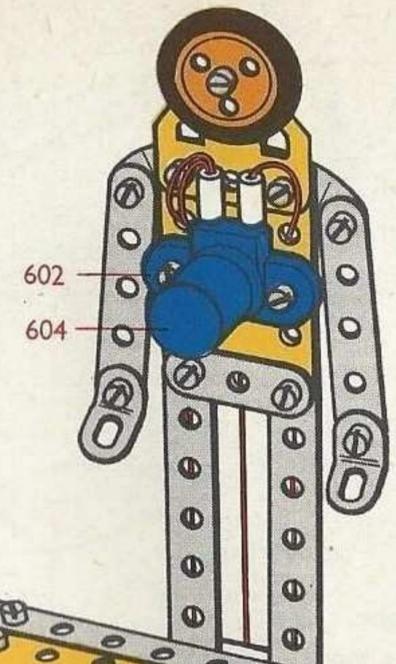
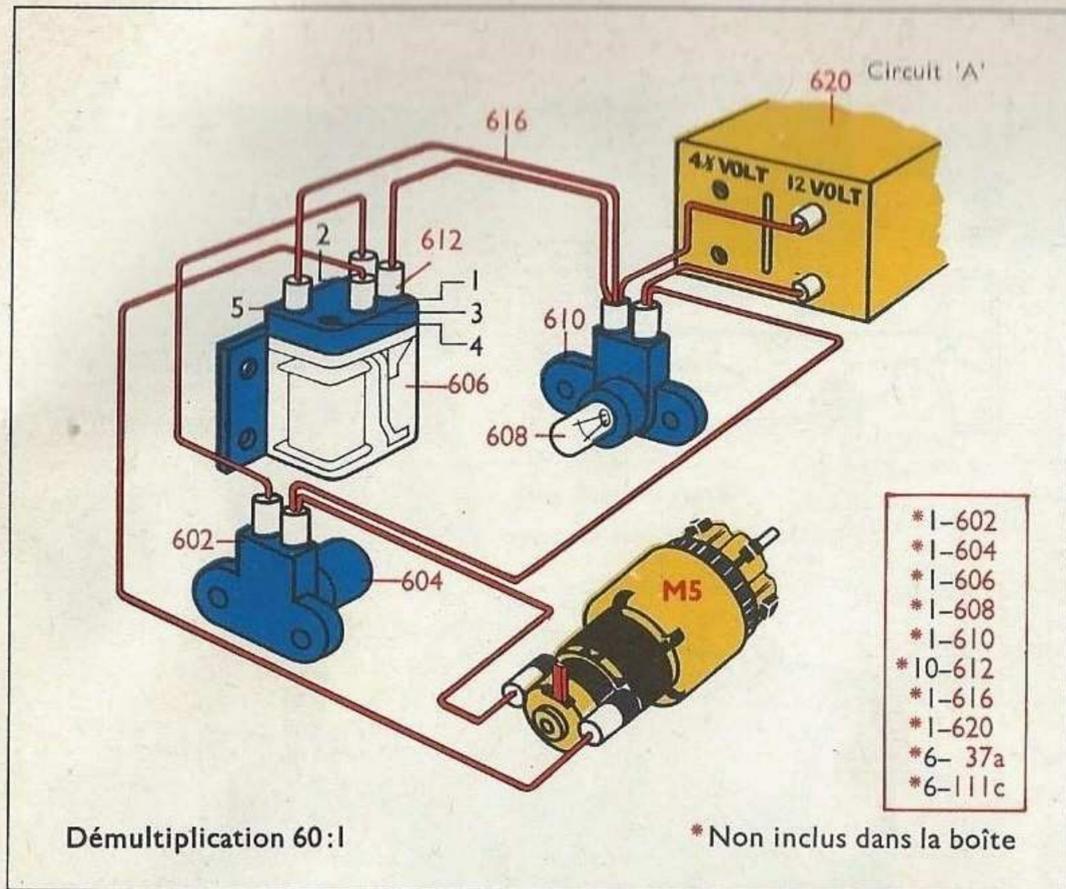
* Non inclus dans la boîte

ELECTRONIQUE 6.17.

Transporteur de chargement

2- 1	1- 20a	24- 38	1-115
1- 2	4- 22	1- 40	2-125
2- 3	2- 22a	2- 48	2-126
5- 5	1- 23a	3- 48a	1-147b
1- 6a	2- 24	1- 51	1-186a
2- 8	1- 26	1- 52	*1-186b
5- 12	1- 27a	2- 54	2-212
2- 12a	12- 35	2- 99	*1-M5
1- 15b	46- 37a	1-111a	
4- 16	44- 37b	2-111c	





2- 1	1- 18b	2- 38d	*1-186b
8- 2	1- 19b	8- 48a	1-188
2- 3	1- 20a	1- 51	2-189
12- 5	4- 22	1- 52	2-191
2- 6a	1- 22a	2- 53a	2-192
4- 8	1- 23	2- 54	1-199
4- 10	*1- 23a	1- 90a	1-213
4- 11	1- 23a	2-125	2-214
1- 11a	2- 24	2-126	2-221
9- 12	2- 27f	2-126a	*1-M5'
2- 12c	123- 37a	2-142c	
2- 16	121- 37b	1-155	
2- 18a	22- 38	1-186a	

* Non inclus dans la boîte

Avec un moteur, cela marche encore mieux!
... et c'est bien plus passionnant.
Faites votre choix parmi ces moteurs électriques, mécaniques, ou à vapeur

ELECTRIQUES

1. Moteur électrique E 15 R

Moteur 12/15 volts, alternatif ou continu, avec renversement de marche incorporé. Fonctionne sur transformateur ou piles.

2. Moteur électrique avec boîte à 6 vitesses

Moteur puissant, de faible consommation, avec renversement de marche incorporé. Balais en graphite cuivré d'une durée supérieure à 1000 heures, marche sur 3 à 12 volts, courant continu, à l'aide d'une ou plusieurs piles.

3. Moteur électrique 4,5 volts

Continu, à marche avant et arrière. Fonctionne sur piles. Marches avant et arrière, et arrêt commandés par levier. Vitesse de rotation: 1000 tours/minute sous 4,5 volts.

★ ET MAINTENANT UN COFFRET DE COMMANDE A DISTANCE ELECTRONIQUE

8. NOUVEAU ... Boîte complémentaire électronique

Une cellule photo-électrique à intensité variable de courant/lumière. Capuchon utilisé avec la cellule. Relai utilisable avec les deux pièces précédentes et commandé magnétiquement. Egalement : ampoule, douille, fiche, bobine cylindrique et noyau, utilisables ensemble comme électroaimant, boîtier à piles (livré sans piles).

4. Générateur

Fournit à vos modèles le courant électrique nécessaire. Alimente le moteur électrique 4,5 volts et le moteur à 6 vitesses. Tournez la manivelle: c'est tout.

MECANIQUES

5. Moteur Magic

Sans renversement de marche. Spécialement étudié pour animer certains modèles des boîtes 1 à 4.

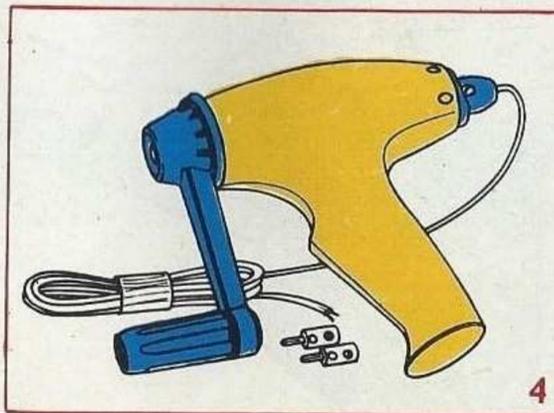
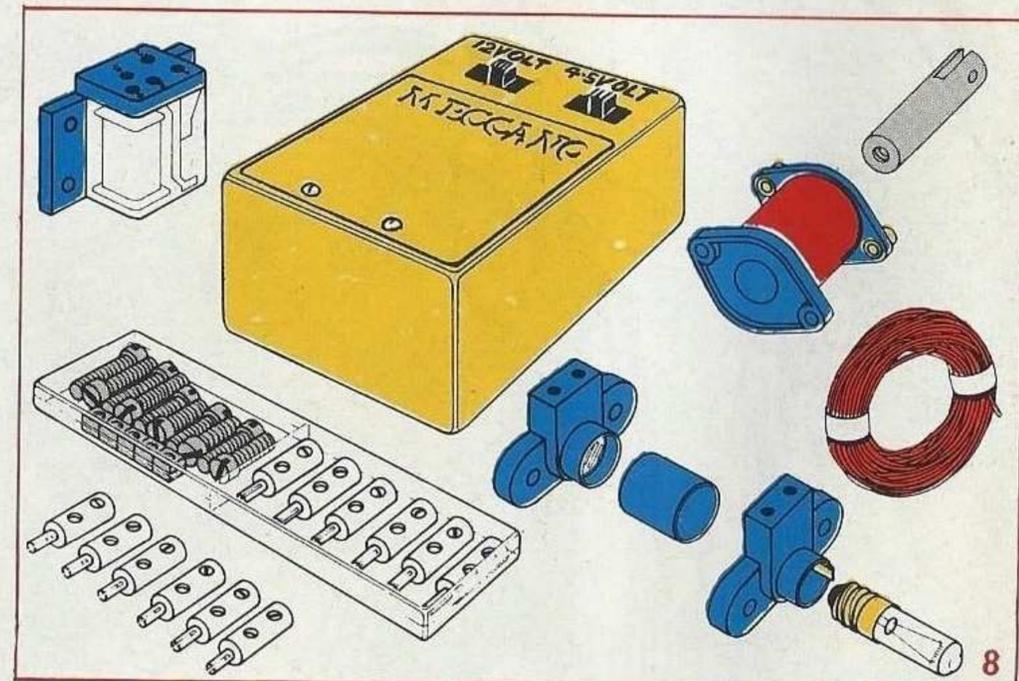
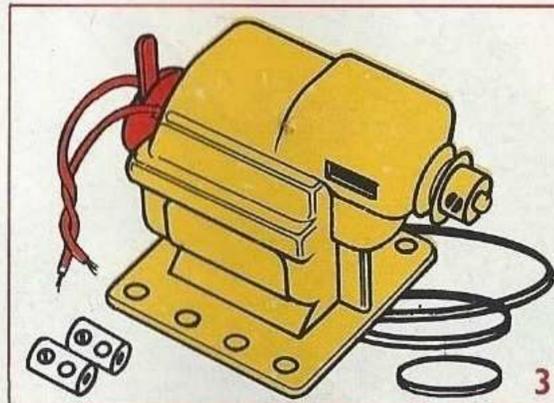
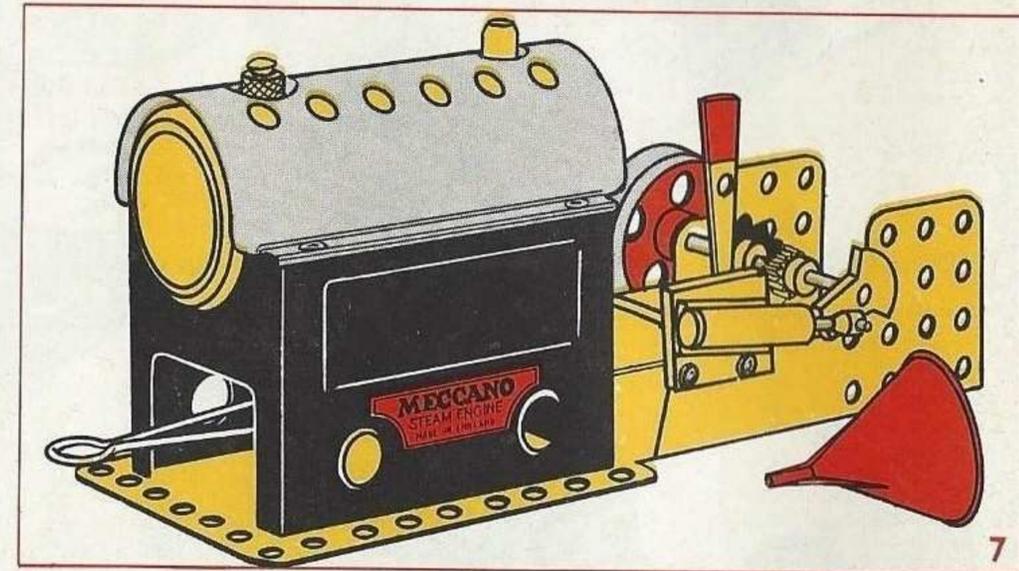
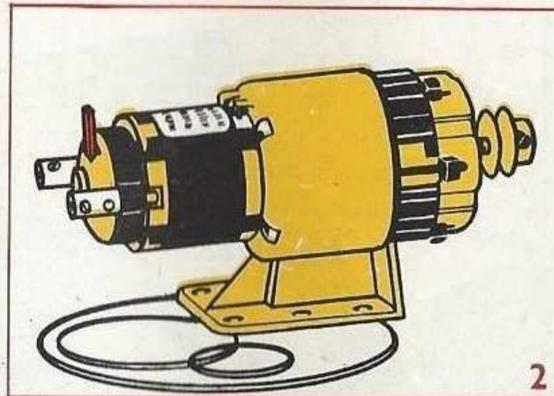
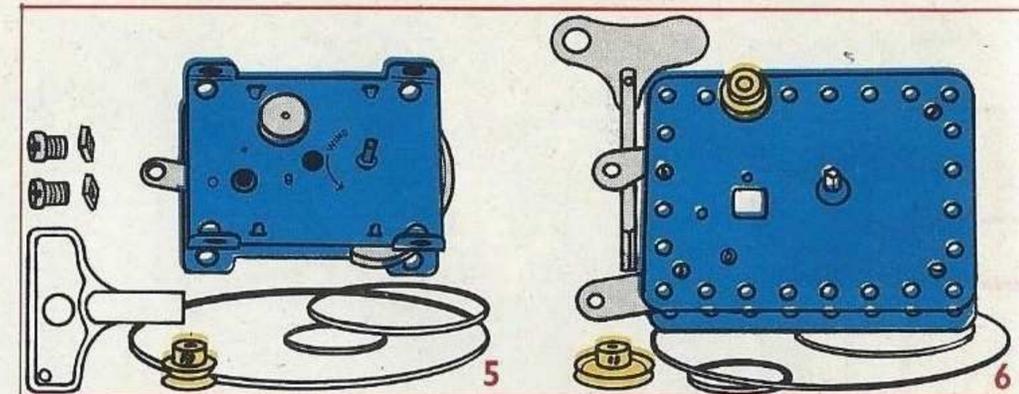
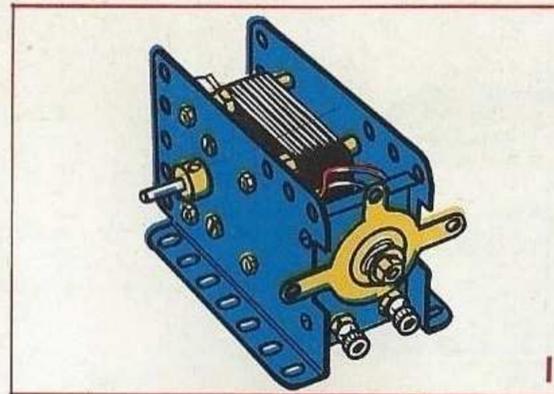
6. Moteur No. 1

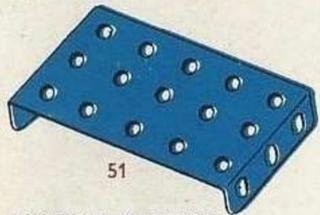
A renversement de marche. Convient parfaitement aux modèles plus importants.

A VAPEUR

7. Machine à vapeur

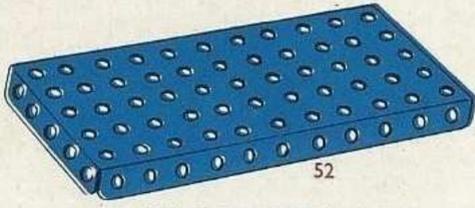
Fournit une puissance-vapeur largement suffisante pour entraîner poulies, engrenages et roues de chaîne. Fonctionne à l'alcool à brûler et à l'eau. Un levier unique commande la marche avant, arrière et la vitesse du volant d'entraînement.





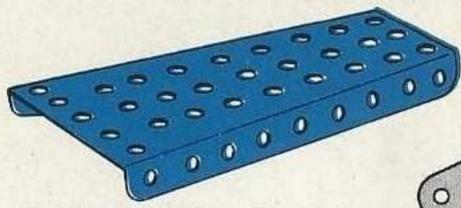
51

PLAQUES A REBORDS
51 - 6 x 4 cm
52 - 14 x 6 cm
53 - 9 x 6 cm



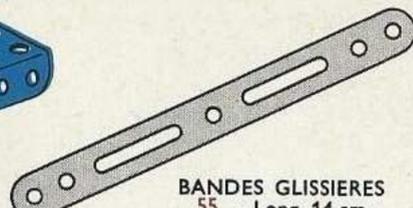
52

PLAQUES SANS REBORDS
52a - 14 x 9 cm
53a - 11,5 x 6 cm



54 - 112 mm

PLAQUE SECTEUR A REBORDS



BANDES GLISSIERES
55 - Long. 14 cm
55a - Long. 5 cm



CROCHET
LESTÉ
57b



CROCHET
LESTÉ
57c



CROCHET
57d (petit)



CORDE ELASTIQUE METALLIQUE
58 - 1 mètre

VIS D'UNION POUR
CORDE ELASTIQUE
58a

CROCHET POUR
CORDE ELASTIQUE
58b



BAGUE
D'ARRET
59



AILE DE MOULIN
61



BRAS DE MANIVELLE
62

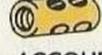
BRAS DE MANIVELLE TARAUDE
62a



BRAS DE
MANIVELLE DOUBLE
62b



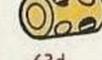
ACCOUPEMENT
POUR TRINGLES
63



ACCOUPEMENT
TARAUDE
63c



ACCOUPEMENT
DE BANDES
SUR TRINGLES
63b



ACCOUPEMENT
COURT
63d



RACCORD
TARAUDE
64



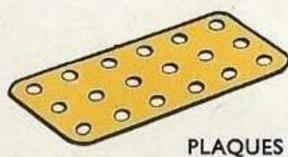
FOURCHETTE
DE CENTRAGE
65



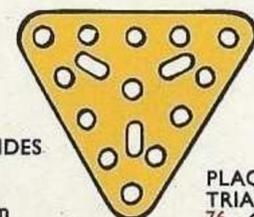
VIS D'ARRET
69 - 4 mm



VIS SANS TETE
69a - 4 mm
69b - 5,5 mm
69c - 2 mm

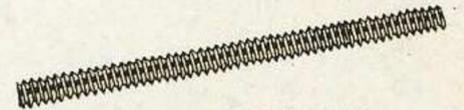


PLAQUES RIGIDES
70 - 14 x 6 cm
72 - 6 x 6 cm
73 - 75 x 38 mm
74 - 38 x 38 mm



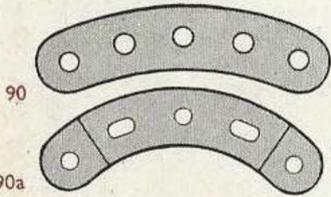
76

PLAQUES
TRIANGULAIRES
76 - 6 cm de côté
77 - 25 mm de côté



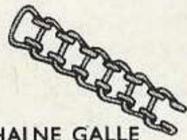
TIGES FILETEES

78 - Long. 29 cm
79 - Long. 20 cm
79a - Long. 15 cm
80 - Long. 12,5 cm
80a - Long. 9 cm
80b - Long. 11,5 cm
80c - Long. 7,5 cm
81 - Long. 5 cm
82 - Long. 2,5 cm



BANDES
INCURVEES
89 - Long. 14 cm
90 - Long. 6 cm

BANDES INCURVEES
EPAULEES
89a - Long. 75 mm,
(4 forment un cercle)
89b - Long. 10 cm
90a - Long. 6 cm,
(4 forment un cercle)

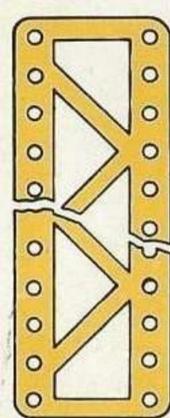


CHAINE GALLE
94 - 1 m environ



ROUES DE CHAINE

95 - 36 dents, diam. 50 mm
95a - 38 dents, diam. 38 mm
95b - 56 dents, diam. 75 mm
96 - 18 dents, diam. 25 mm
96a - 14 dents, diam. 19 mm

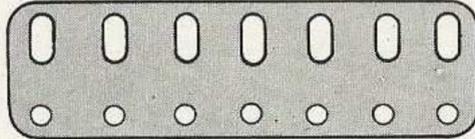


LISSE POUR METIER A TISSER
101



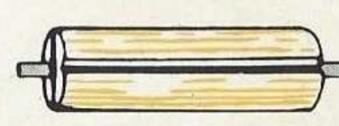
BANDE A
UN COUDE
102

LONGRINES
97 - Long. 9 cm
99 - Long. 32 cm
99a - Long. 24 cm
99b - Long. 19 cm
100 - Long. 14 cm
100a - Long. 11,5 cm

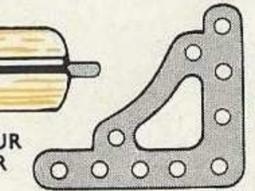


POUTRELLES PLATES

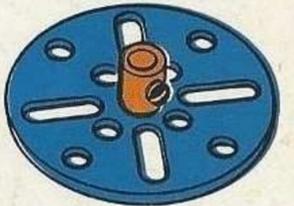
103 - Long. 14 cm
103a - Long. 24 cm
103b - Long. 32 cm
103c - Long. 11,5 cm
103d - Long. 9 cm
103e - Long. 7,5 cm
103f - Long. 6 cm
103g - Long. 5 cm
103h - Long. 4 cm
103k - Long. 19 cm



ROULEAU BOIS POUR
METIER A TISSER
106



EQUERRE D'ASSEMBLAGE
108



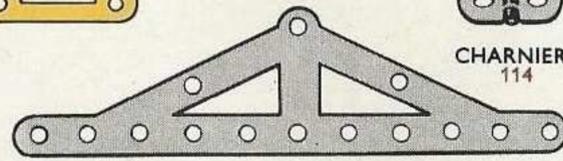
PLATEAU CENTRAL
109 - diam. 6 cm



CREMAILLERES
110 - Long. 9 cm
110a - Long. 16 cm



BOULONS
111 - Long. 19 mm
111a - Long. 12 mm
111c - Long. 9,5 mm
111d - Long. 28 mm



POUTRELLE TRIANGULEE
113



CHARNIERE
114



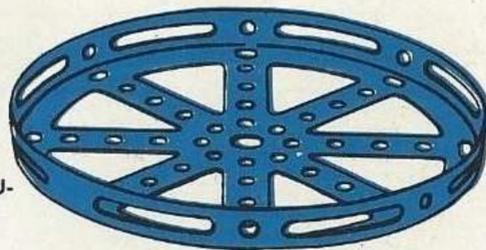
CHEVILLES FILETEES
115 - 15 mm
115a - 34 mm



CHAPE
116



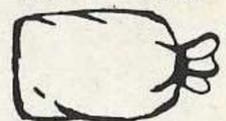
CHAPE
D'ARTICULATION
116a



FLASQUE CIRCULAIRE A REBORD
118 - diam. 13,5 cm



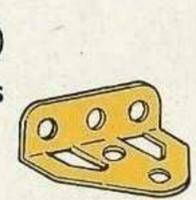
RESSORT DE
COMPRESSION
120b - 14 mm



SAC CHARGE
122

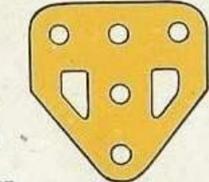


POULIE A CONE
123 - 32 x 25 x 19 mm

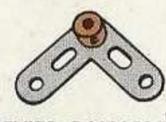


EQUERRES RENVERSEES
124 - 25 mm
125 - 12 mm

EMBASE
TRIANGULEE COUDEE
126



EMBASE
TRIANGULEE PLATE
126a



LEVIER D'ANGLE
AVEC MOYEU
128



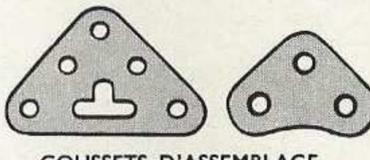
EXCENTRIQUE
A 3 COURSES
130 - 6 x 9 x 12 mm



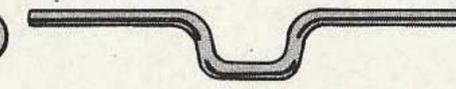
EXCENTRIQUE
COURSE 6 MM
130a - 6 mm



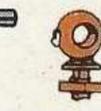
CAME
131



GOUSSETS D'ASSEMBLAGE
133 - (grand) 38 mm
133a - (petit) 25 mm



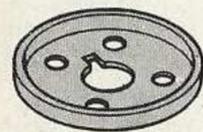
VILEBREQUIN COURSE 25 mm
134



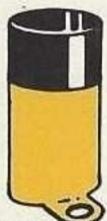
SUPPORT
DE RAMPE
136



SUPPORT
DE RAMPE
AVEC COLLIER
136a



BOUDIN DE ROUE
137



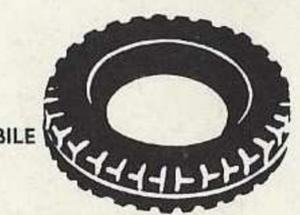
CHEMINEE DE NAVIRE
138



SUPPORT A REBORD
139 - (droit)
139a - (gauche)



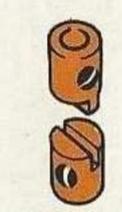
ACCOUPEMENT UNIVERSEL
140



PNEUS D'AUTOMOBILE
142a - Diam. 5 cm
142b - Diam. 7,5 cm
142c - Diam. 25 mm
142d - Diam. 38 mm



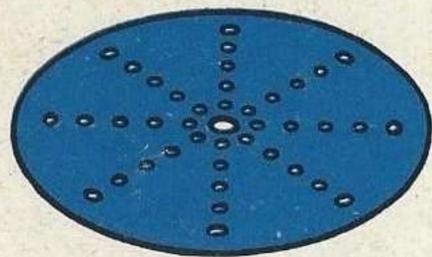
LONGRINE CIRCULAIRE
143 - diam. 14 cm



EMBRAYAGE
144



BANDE CIRCULAIRE
145 - Diam. ext. 18 cm



PLAQUES CIRCULAIRES
146 - Diam. 15 cm
146a - Diam. 10 cm



CLIQUET A MOYEU AVEC BOULON-PIVOT ET ECROUS
147



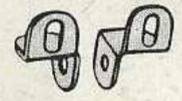
BOULON PIVOT A DEUX ECROUS
147b



ROUE A ROCHET
148



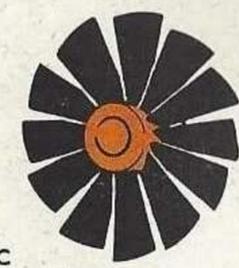
PALANS
151 - Palan à 1 poulie
153 - Palan à 3 poulies



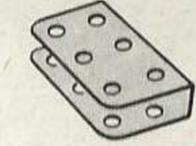
EQUERRE D'ANGLE
154a - 12 mm (droit)
154b - 12 mm (gauche)



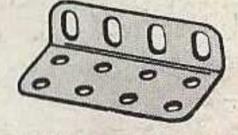
ANNEAU DE CAOUTCHOUC
155 - 25 mm



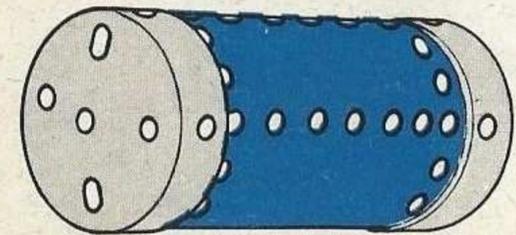
TURBINE
157 - Diam. 5 cm



SUPPORT EN U
160 - 38 x 25 x 13 mm



EQUERRE CORNIERE
161 - 50 x 25 x 13 mm



CHAUDIERE COMPLETE AVEC JOUES
162 - 12,5 x 5 cm
162a - JOUE DE CHAUDIERE 50 x 19 mm
162b - CORPS DE CHAUDIERE



MANCHON
163 - 38 x 17 mm



ACCOUPLMENT A CARDAN
165



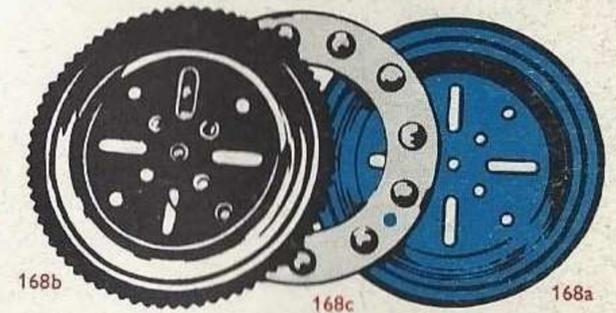
CHAPE D'ARTICULATION
166



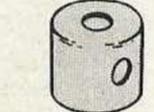
PIGNON A GRANDES DENTS POUR SECTEUR
167c



COURONNE A REBORD POUR ROULEMENT A GALETS
167b - Diam. 25 cm



168 - ROULEMENT A BILLES COMPLET
168a - PLATEAU A REBORD DE ROULEMENT A BILLES
168b - PLATEAU A DENTURE DE ROULEMENT A BILLES
168c - ANNEAU MONTE AVEC BILLES



SUPPORT DE CHEMINEE
164 - 16 x 12 mm



BILLE
168d - diam. 9,5 mm



COLLIER TARAUDE A CHEVILLE
173a



COLLIER AVEC TIGE FILETEE
179



COURONNE A DOUBLE DENTURE
180 - diam. 9 cm



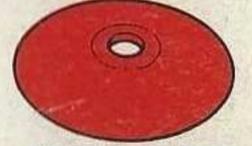
VOLANTS D'AUTOMOBILE
185 - 45 mm
185a - 60 mm



COURROIES DE TRANSMISSION
186 - 65 mm, lég.
186a - 15 cm, lég.
186b - 25 cm, lég.
186c - 25 cm épaisse
186d - 38 cm épaisse
186e - 50 cm épaisse



ROUES D'AUTO
187 - 60 mm
187b - 108 mm



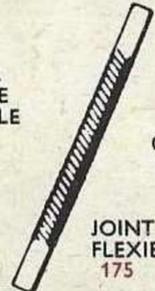
FLASQUE DE ROUE
187a - 47 mm



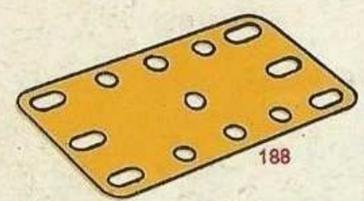
ACCOUPLMENT JUMELE A DOUILLE
171



RESSORT D'ATTACHE POUR CORDE MECCANO
176



JOINT FLEXIBLE
175

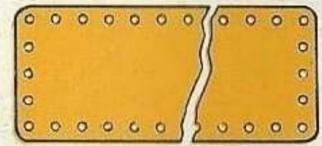


PLAQUES FLEXIBLES
188 - 6 x 4 cm
189 - 14 x 4 cm
190 - 6 x 6 cm
190a - 9 x 6 cm
191 - 11,5 x 6 cm
192 - 14 x 6 cm

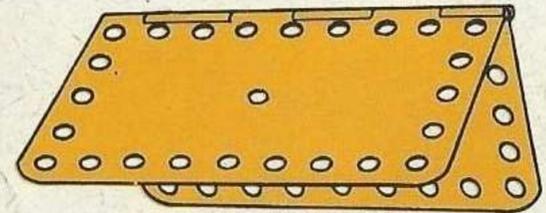
PLAQUES TRANSPARENTES
193 - 6 x 4 cm
193a - 6 x 6 cm

193b - 9 x 6 cm
193c - 11,5 x 6 cm
193d - 14 x 4 cm
193e - 14 x 6 cm

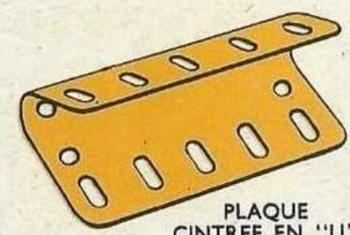
PLAQUES PLASTIQUES BLEUES
194 - 6 x 4 cm
194a - 6 x 6 cm
194b - 9 x 6 cm
194c - 11,5 x 6 cm
194d - 14 x 4 cm
194e - 14 x 6 cm



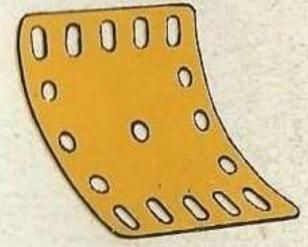
PLAQUES-BANDES
195 - 19 x 6 cm
196 - 24 x 6 cm
197 - 32 x 6 cm



PLAQUE A CHARNIERE
198 - 11,5 x 6 cm

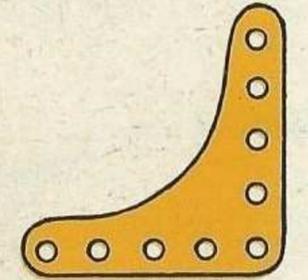


PLAQUE CINTREE EN "U"
199 - 60 x 60 x 7 mm

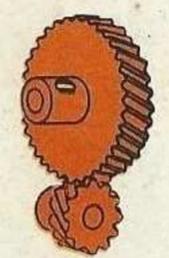


PLAQUE CINTREE
200 - Rayon 43 mm

BANDE CINTREE A GLISSIERES
215 - 75 mm



PLAQUE GOUSSET FLEXIBLE
201 - 60 x 60 mm

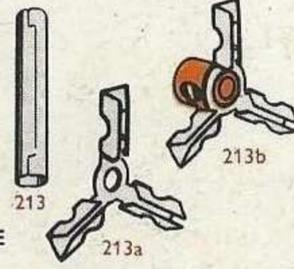


PIGNON ET ROUE HELICOIDIAUX
211a - Diam. 14 mm
211b - Diam. 35 mm

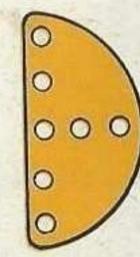


RACCORD TRINGLE ET BANDE
212

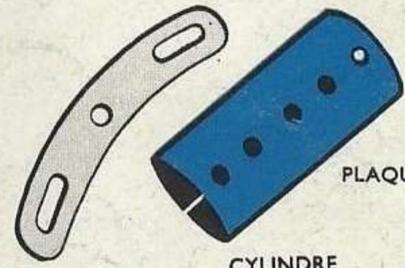
RACCORD TRINGLE ET BANDE A ANGLE DROIT
212a



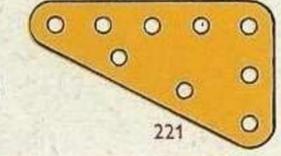
213 RACCORD TRINGLES
213a RACCORD DE TRINGLES TRIPLE
213b RACCORD DE TRINGLES TRIPLE A MOYEU



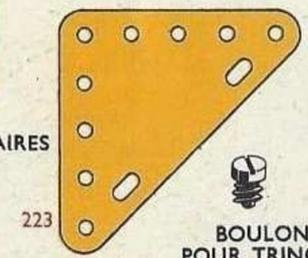
PLAQUE SEMI-CIRCULAIRE
214 - 65 mm



CYLINDRE
216 - 6 x 3 cm



PLAQUES FLEXIBLES TRIANGULAIRES
221 - 6 x 4 cm
222 - 6 x 5 cm
223 - 6 x 6 cm
224 - 9 x 4 cm
225 - 9 x 5 cm
226 - 9 x 6 cm



BOULON POUR TRINGLE A CANNELURE
231



TRINGLE A CANNELURE
230 - 10 cm

BANDES ETROITES
235 - 5 trous 60 mm x 9 mm
235a - 6 trous 75 mm x 9 mm
235b - 7 trous 90 mm x 9 mm
235d - 9 trous 115 mm x 9 mm
235f - 11 trous 140 mm x 9 mm