

# MECCANO

# 4

## ROBOT ROBOTER

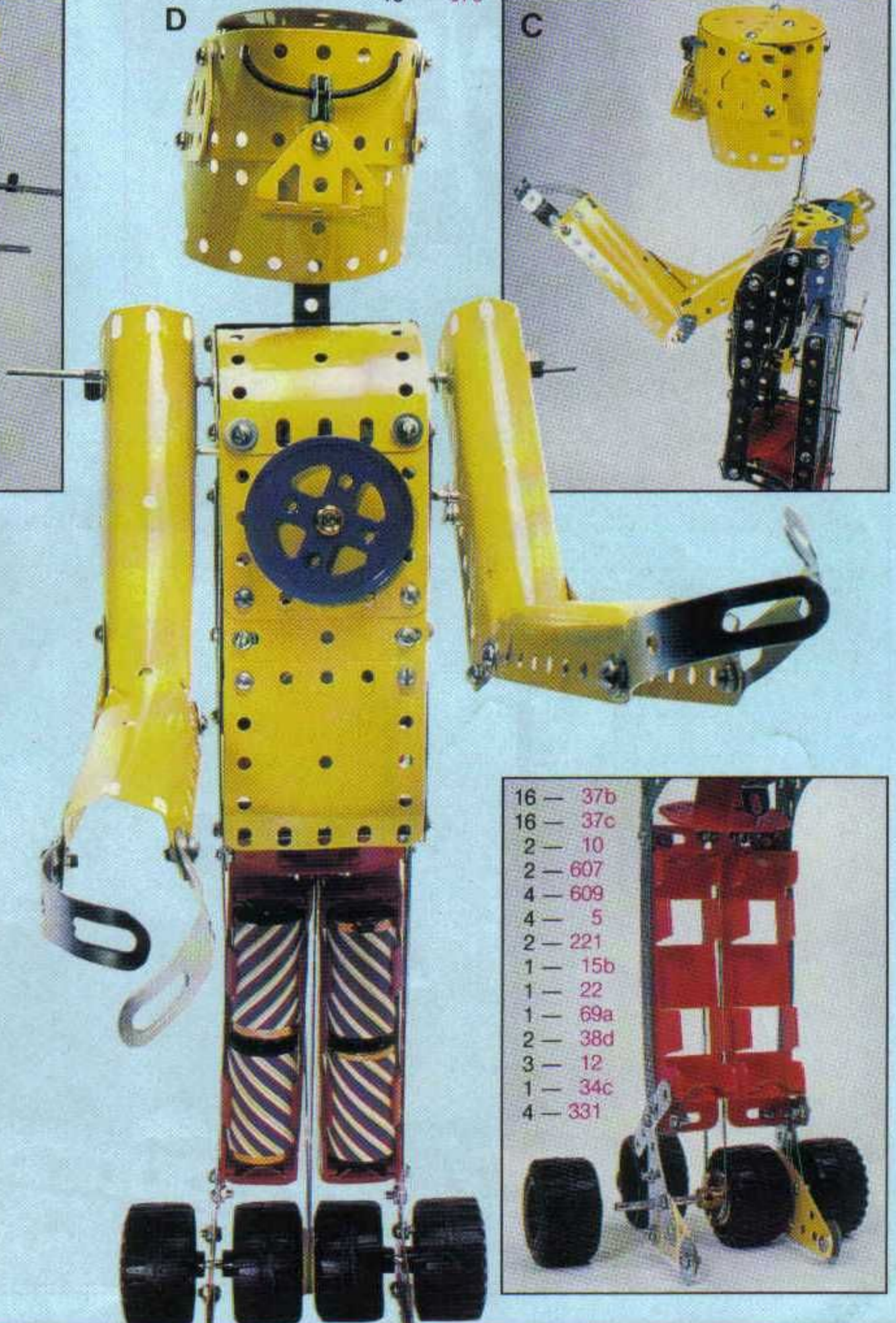
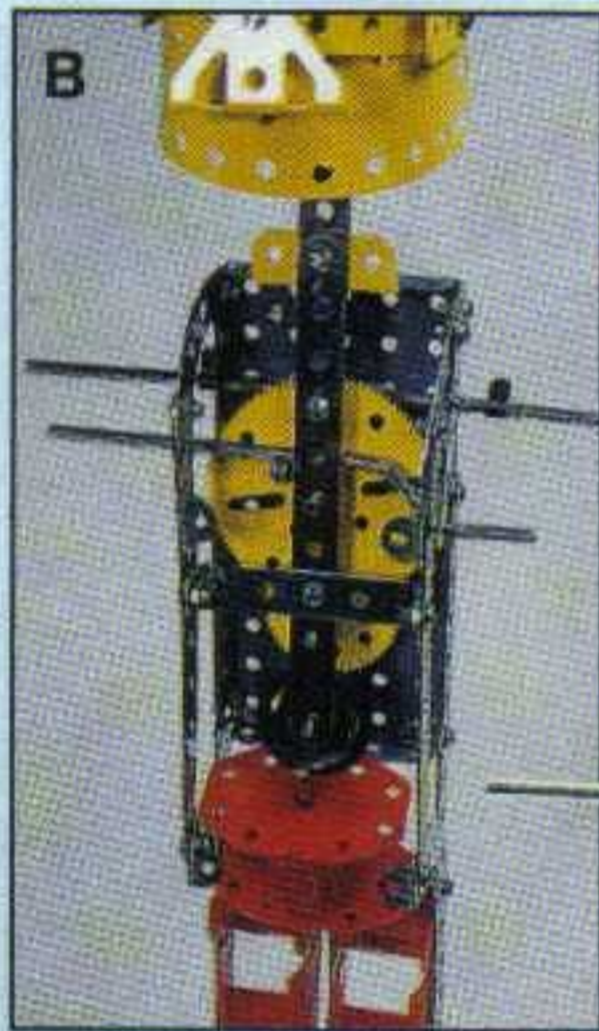
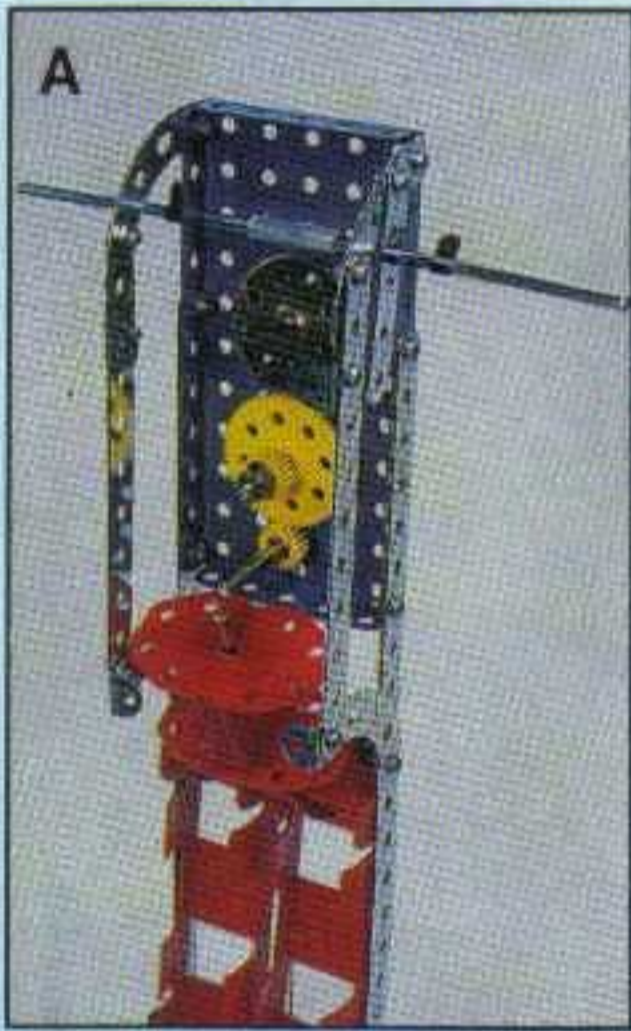
- A**
- 16 — 37b
  - 2 — 16
  - 2 — 17
  - 1 — 18b
  - 1 — 24
  - 1 — 27a
  - 1 — 27c
  - 2 — 35
  - 1 — 213
  - 1 — 111c
  - 16 — 37c
  - 3 — 69a
  - 1 — 52
  - 2 — 1
  - 2 — 2
  - 1 — 5
  - 4 — 90a
  - 6 — 12
  - 1 — 26

- D**
- 2 — 190
  - 1 — 20a
  - 8 — 37b
  - 10 — 37c
  - 2 — 2
  - 2 — 12
  - 1 — 48a
  - 2 — 126
  - 2 — 126a
  - 2 — 38
  - 1 — 200
  - 1 — 111d
  - 2 — 125
  - 2 — 189
  - 1 — 199
  - 2 — 214
  - 1 — 212
  - 1 — 69

- B**
- 1 — 19s
  - 1 — 22
  - 1 — 27c
  - 1 — 26
  - 1 — 155
  - 1 — 600
  - 1 — 601
  - 2 — 602
  - 3 — 69a

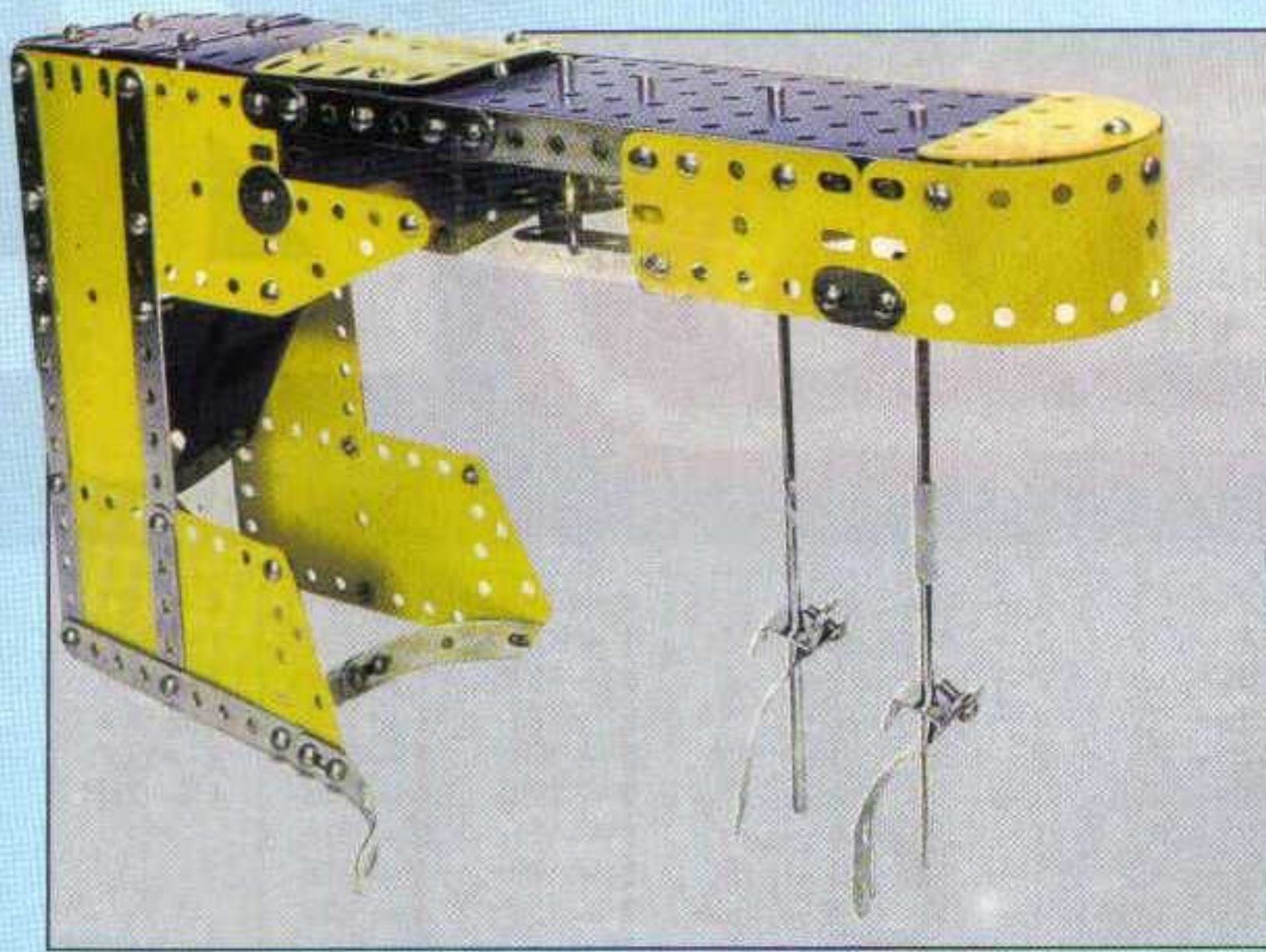
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4 — 2	1 — 20a	58 — 37c	1 — 111c	2 — 192	1 — 600
6 — 5	2 — 22	2 — 38	1 — 111d	1 — 199	1 — 601
4 — 10	2 — 24	2 — 38d	2 — 125	1 — 200	2 — 602
11 — 12	2 — 26	1 — 40	2 — 126	1 — 212	2 — 607
1 — 15b	1 — 27a	2 — 48a	2 — 126a	1 — 213	4 — 609
2 — 16	1 — 27c	1 — 52	1 — 155	2 — 214	
2 — 17	1 — 34c	1 — 69	2 — 189	4 — 215	
1 — 18b	4 — 35	4 — 69a	2 — 190	4 — 221	

- C**
- 2 — 10
  - 2 — 192
  - 2 — 191
  - 4 — 215
  - 2 — 221
  - 16 — 37b
  - 16 — 37c



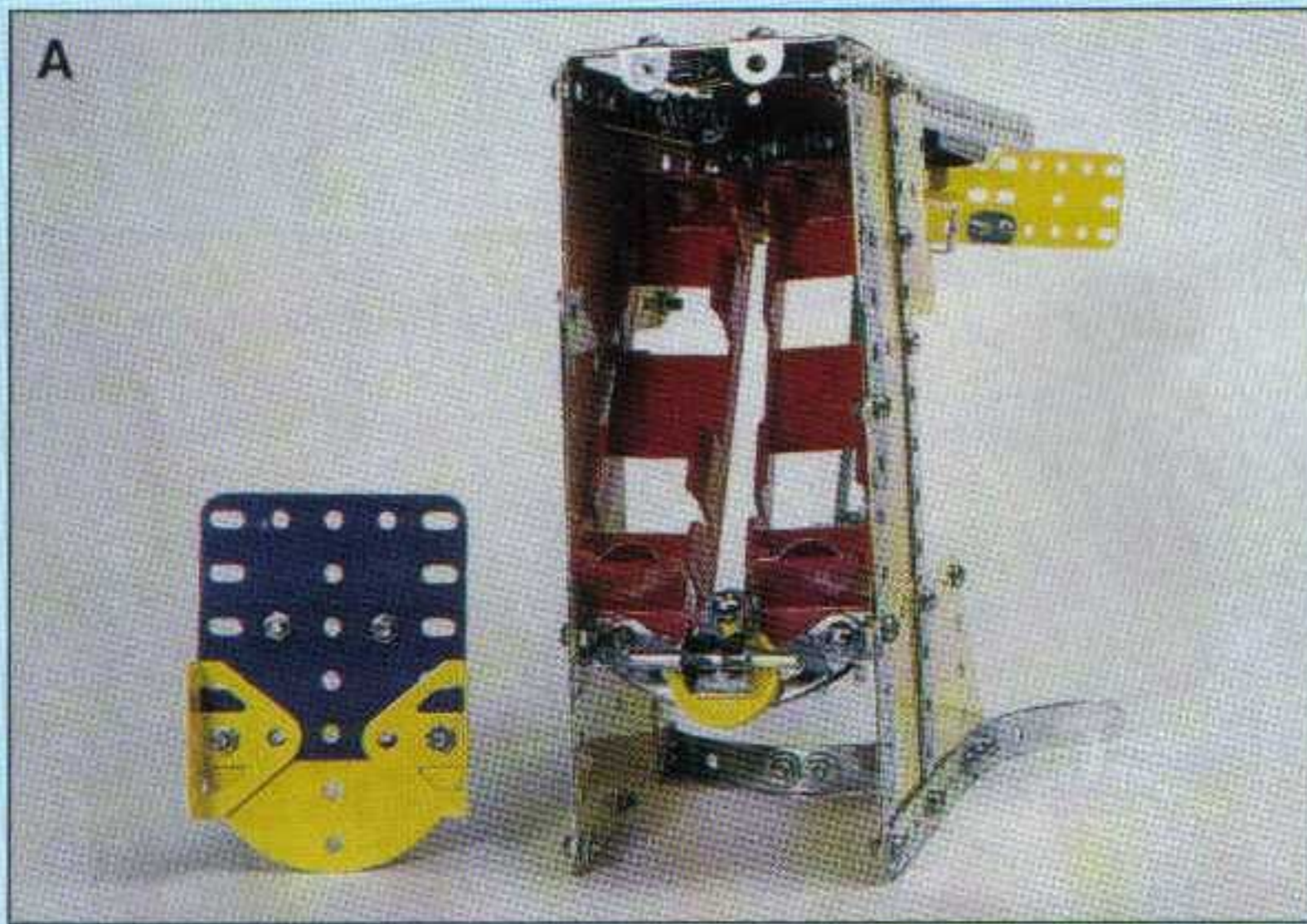
- 1 — 24
- 1 — 40
- 2 — 35

- 16 — 37b
- 16 — 37c
- 2 — 10
- 2 — 607
- 4 — 609
- 4 — 5
- 2 — 221
- 1 — 15b
- 1 — 22
- 1 — 69a
- 2 — 38d
- 3 — 12
- 1 — 34c
- 4 — 331



**MIXER  
BETONWAGEN  
FRULLATORE  
BATIDORA**

2 - 1	2 - 26	4 - 90a	2 - 192
6 - 2	1 - 27a	2 - 111c	2 - 193
9 - 5	1 - 27c	1 - 111d	2 - 194
3 - 10	6 - 35	2 - 125	1 - 212
1 - 11	65 - 37b	2 - 126	1 - 213
10 - 12	73 - 37c	1 - 126a	2 - 214
2 - 15b	4 - 38	1 - 155	4 - 215
2 - 16	2 - 38d	1 - 186	4 - 221
2 - 17	2 - 48a	2 - 188	1 - 600
1 - 18a	1 - 52	2 - 189	1 - 601
2 - 22	7 - 69a	2 - 190	2 - 602
1 - 22a		2 - 190a	2 - 607
1 - 24		2 - 191	4 - 609

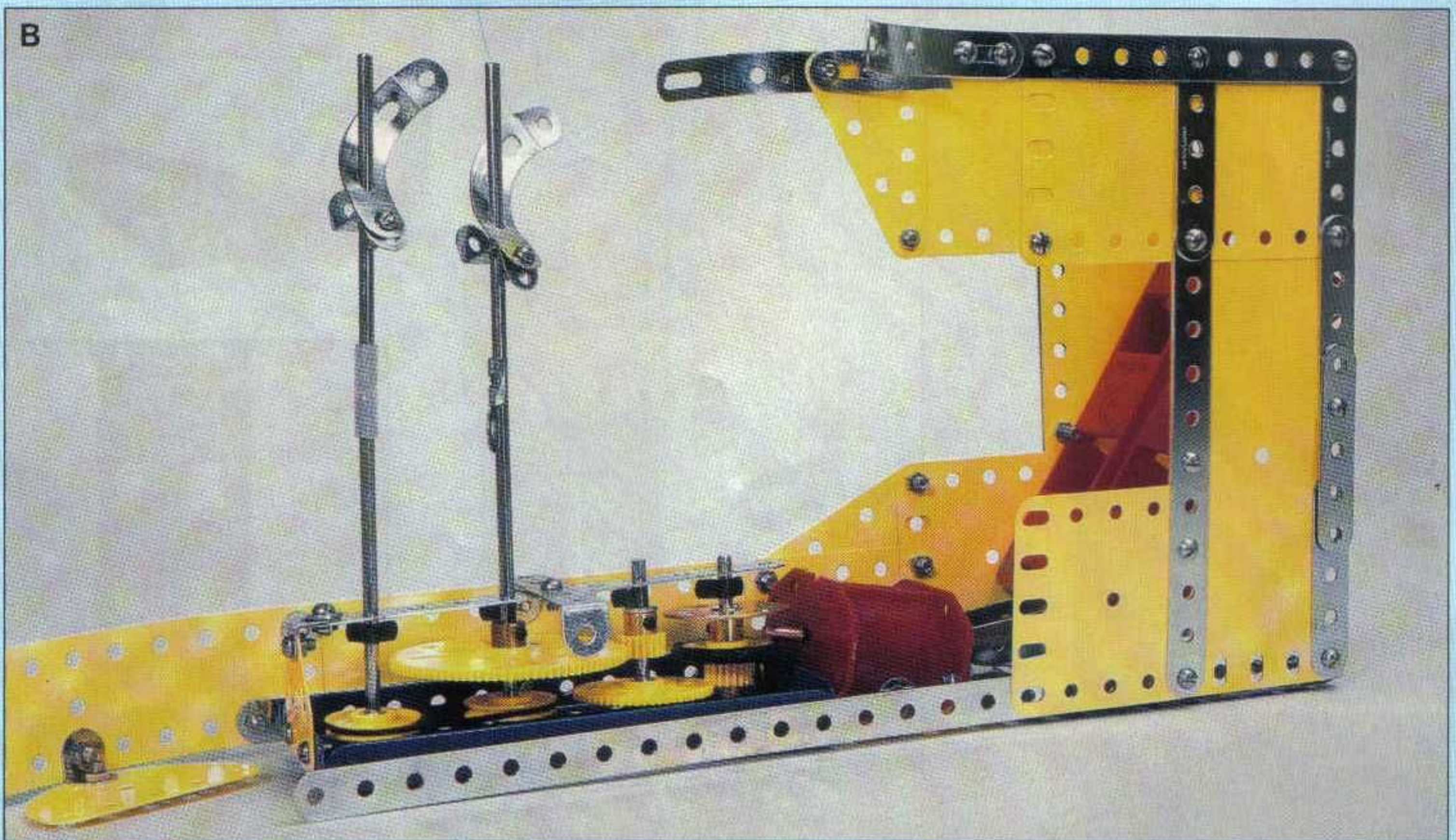


**B**

2 - 1	2 - 26	2 - 111c
6 - 2	1 - 27a	2 - 125
2 - 10	1 - 27c	1 - 126a
7 - 5	4 - 35	1 - 155
8 - 12	56 - 37b	1 - 186
2 - 15b	61 - 37c	2 - 188
2 - 16	4 - 38	2 - 189
2 - 17	2 - 38a	2 - 190
2 - 22	2 - 48a	2 - 190a
1 - 22a	1 - 52	2 - 191
1 - 24	7 - 69a	2 - 192
	2 - 90a	2 - 193
		1 - 212
		1 - 213
		1 - 214
		4 - 215
		4 - 221
		1 - 600
		1 - 601
		2 - 602

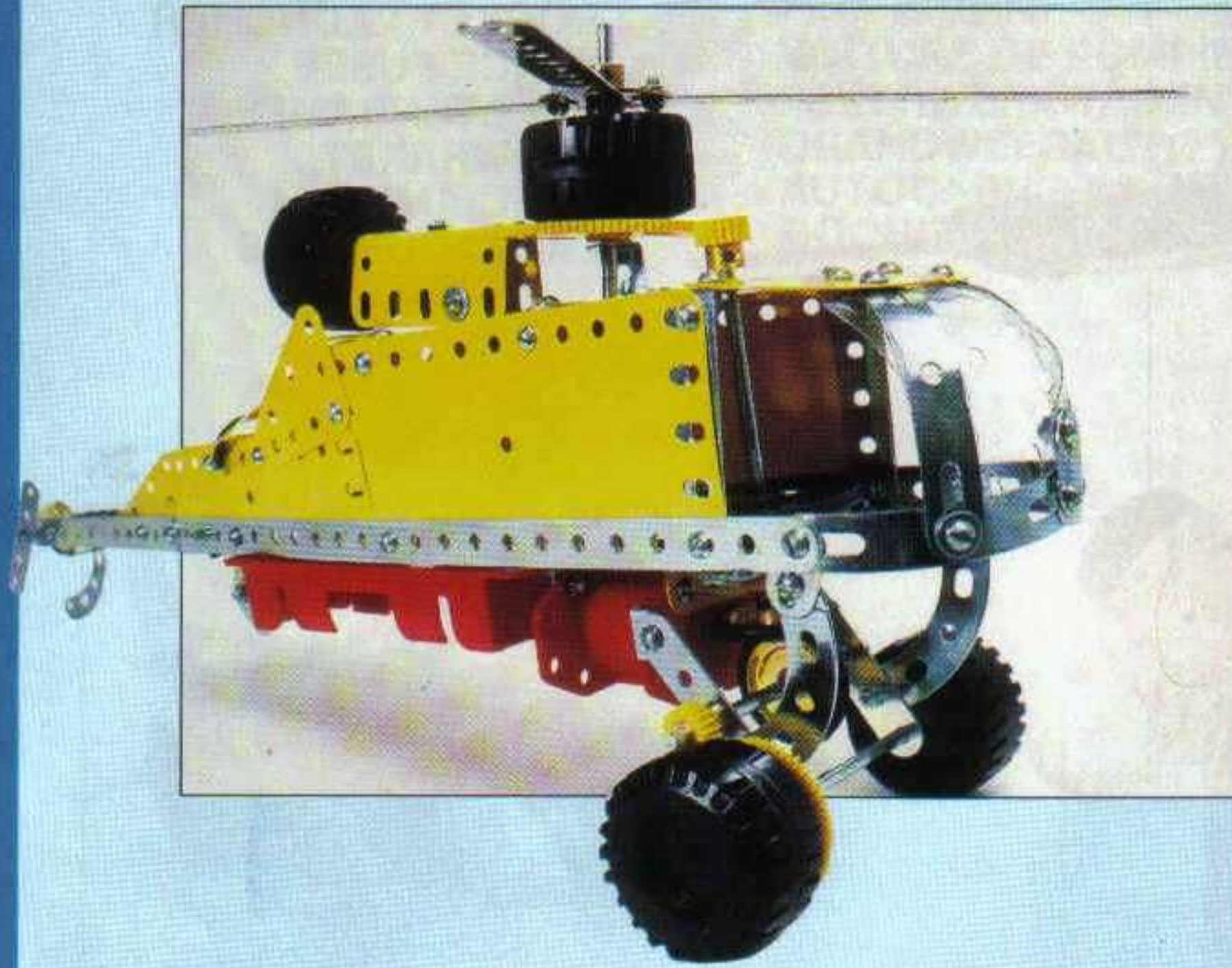
**A**

1 - 10
1 - 11
1 - 18a
2 - 12
2 - 5
2 - 90a
2 - 35
2 - 607
4 - 609
2 - 126
2 - 194
1 - 214
9 - 37b
12 - 37c
1 - 111d



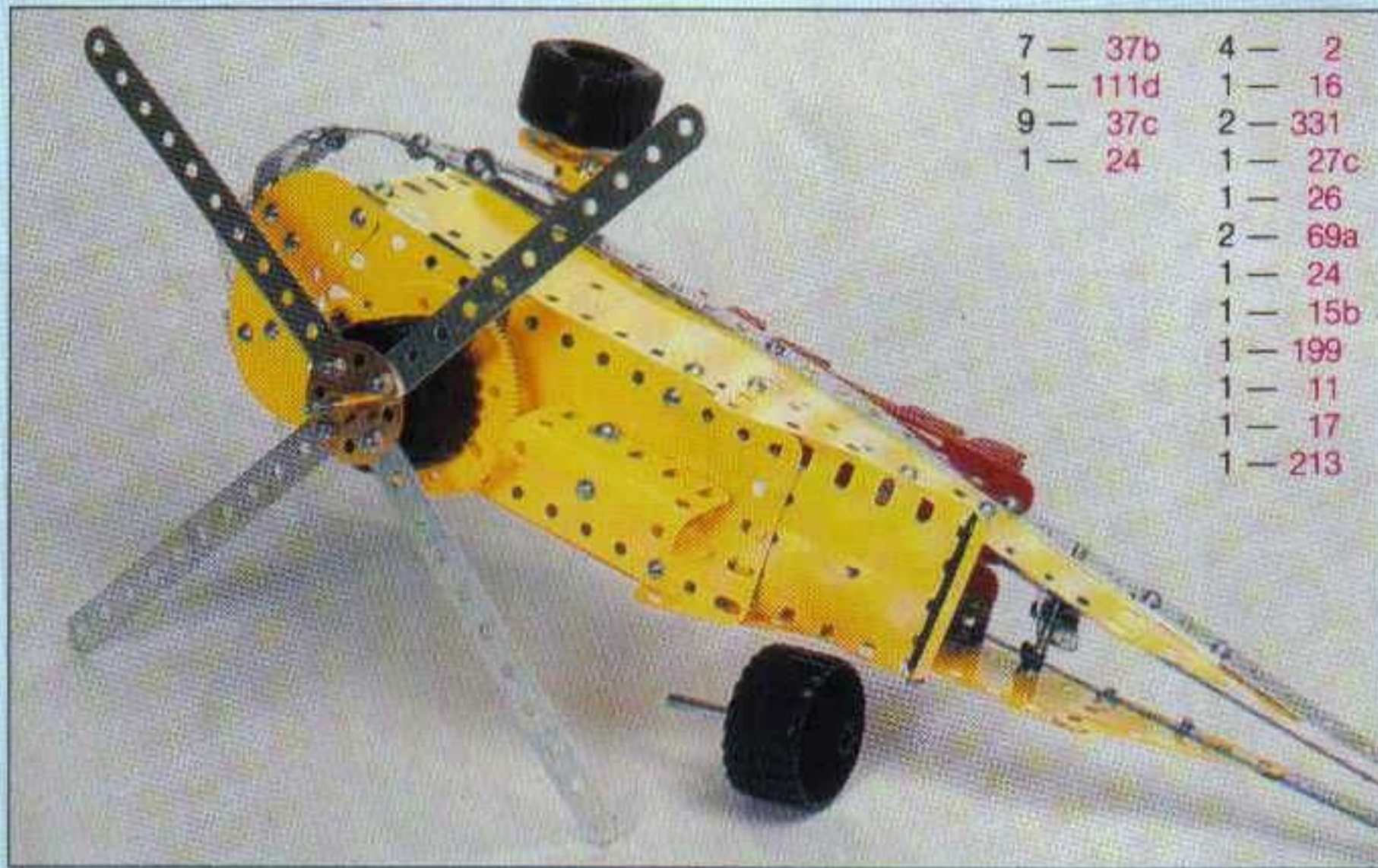
HELICOPTER  
HELICOPTERE  
HELIKOPTER

ELICOTTERO  
HELICOPTERO

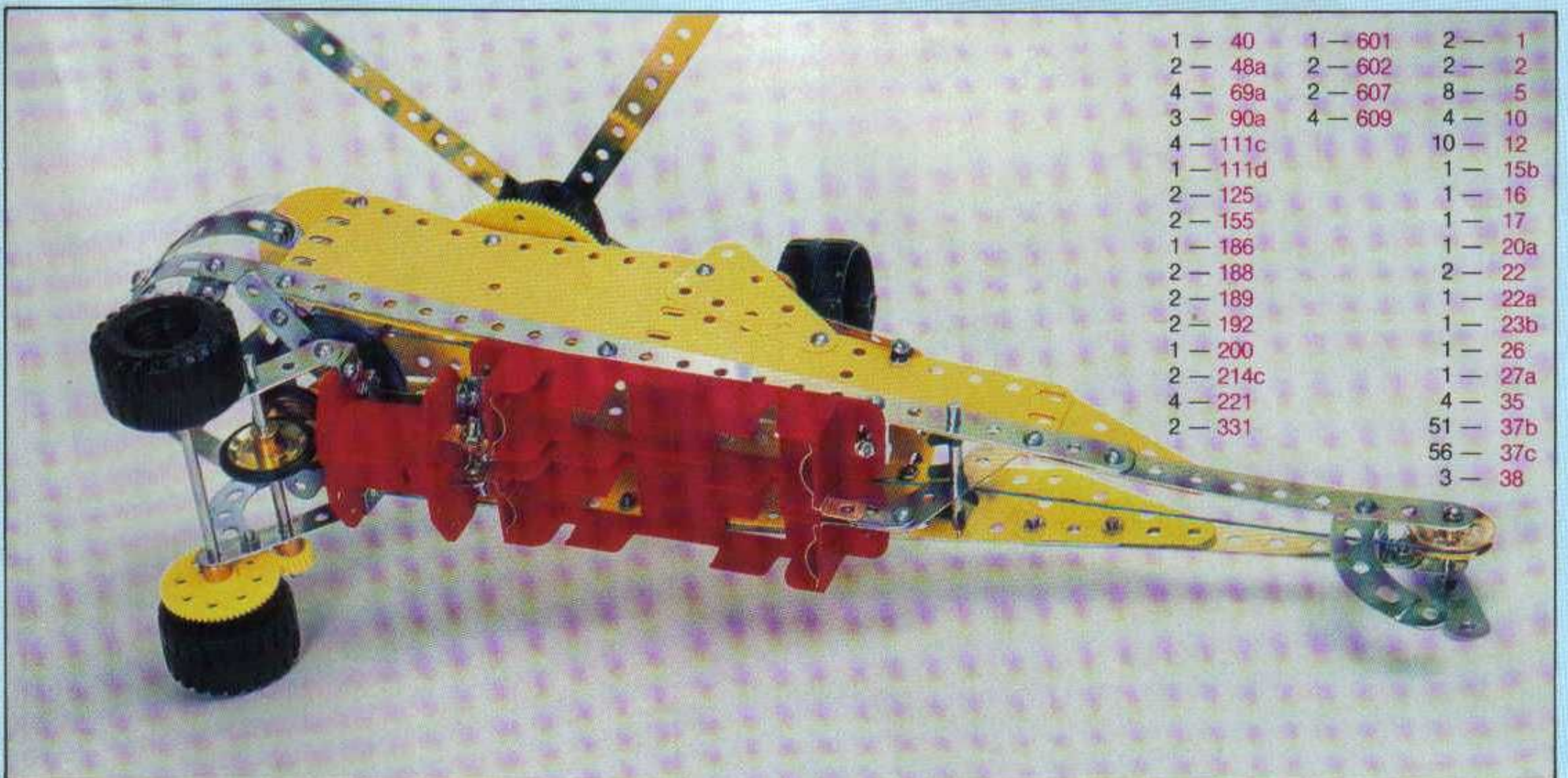
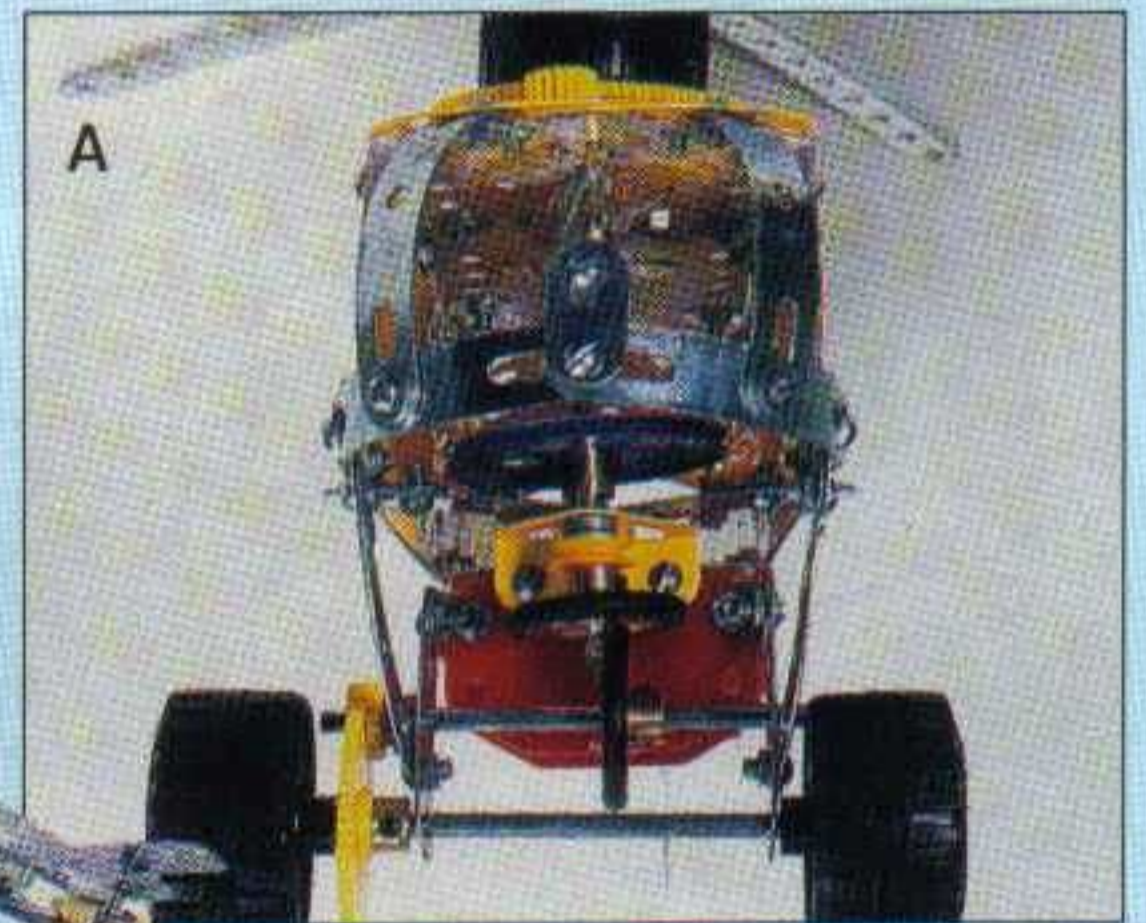


2 — 1	1 — 22a	6 — 69a	1 — 200
6 — 2	1 — 23b	3 — 90a	1 — 213
8 — 5	1 — 24	5 — 111c	2 — 214
4 — 10	2 — 26	1 — 111d	4 — 221
2 — 11	1 — 27a	2 — 125	4 — 331
10 — 12	1 — 27c	2 — 155	1 — 600
2 — 15b	4 — 35	1 — 186	1 — 601
2 — 16	62 — 37b	2 — 188	2 — 602
2 — 17	69 — 37c	2 — 189	2 — 607
1 — 20a	5 — 38	2 — 192	4 — 609
2 — 22	1 — 40	2 — 199	
	2 — 48a		

- A**
- 4 — 215
  - 2 — 193
  - 1 — 11
  - 4 — 37b
  - 4 — 37c
  - 2 — 38

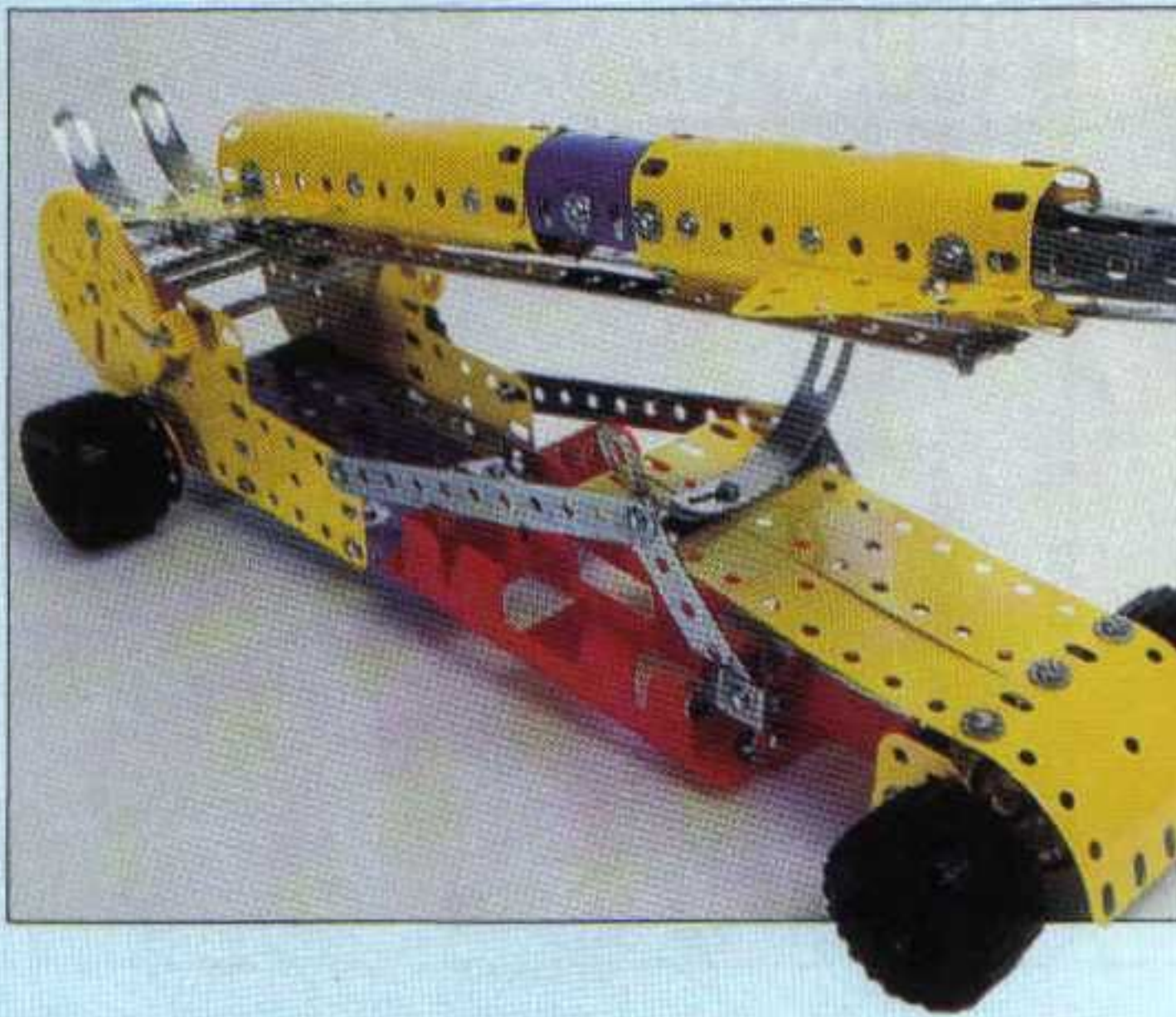


- 7 — 37b
- 1 — 111d
- 9 — 37c
- 1 — 24
- 4 — 2
- 1 — 16
- 2 — 331
- 1 — 27c
- 1 — 26
- 2 — 69a
- 1 — 24
- 1 — 15b
- 1 — 199
- 1 — 11
- 1 — 17
- 1 — 213

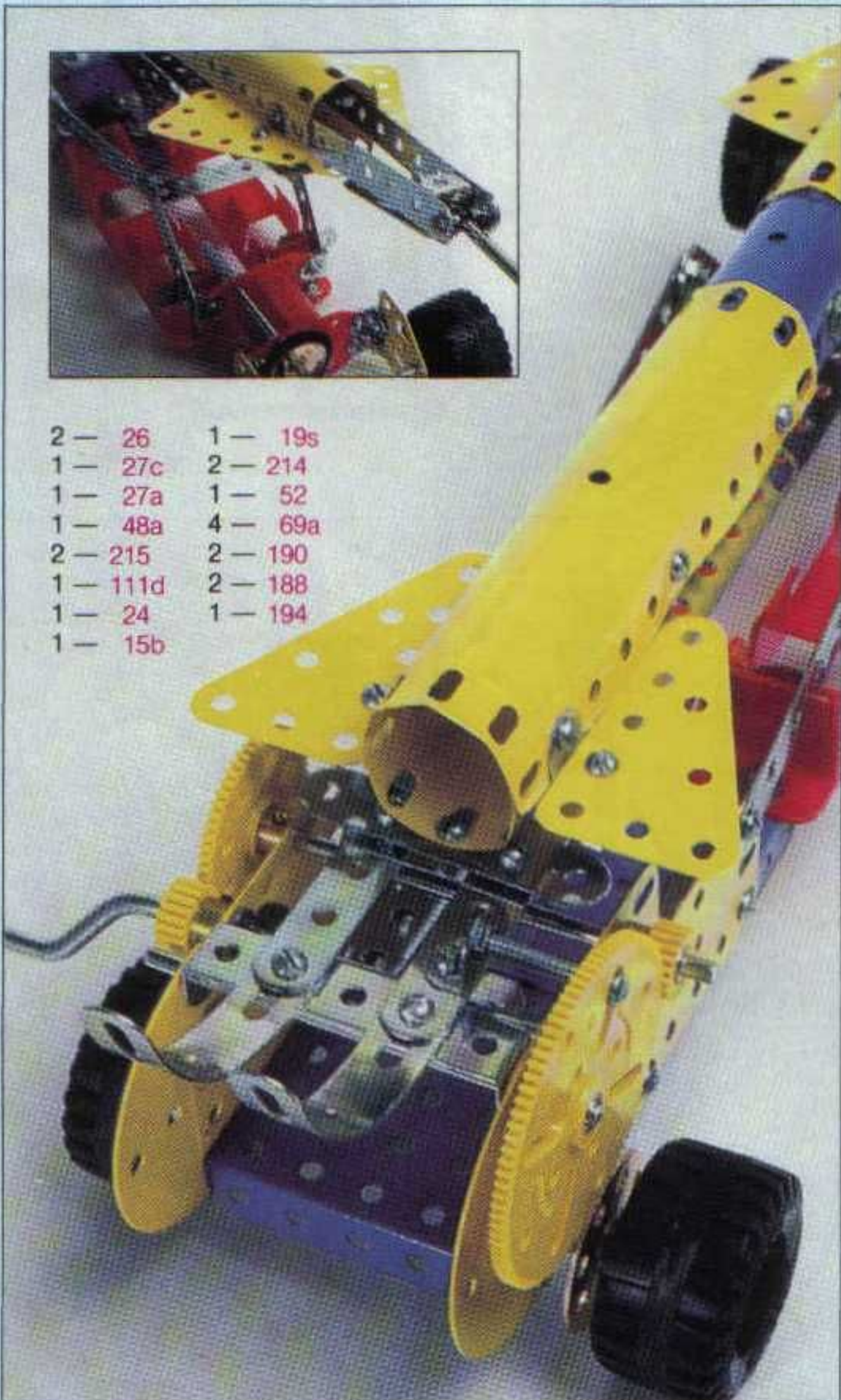


- 1 — 40
- 2 — 48a
- 4 — 69a
- 3 — 90a
- 4 — 111c
- 1 — 111d
- 2 — 125
- 2 — 155
- 1 — 186
- 2 — 188
- 2 — 189
- 2 — 192
- 1 — 200
- 2 — 214c
- 4 — 221
- 2 — 331
- 1 — 601
- 2 — 602
- 2 — 607
- 4 — 609
- 2 — 1
- 2 — 2
- 8 — 5
- 4 — 10
- 10 — 12
- 1 — 15b
- 1 — 16
- 1 — 17
- 1 — 20a
- 2 — 22
- 1 — 22a
- 1 — 23b
- 1 — 26
- 1 — 27a
- 4 — 35
- 51 — 37b
- 56 — 37c
- 3 — 38

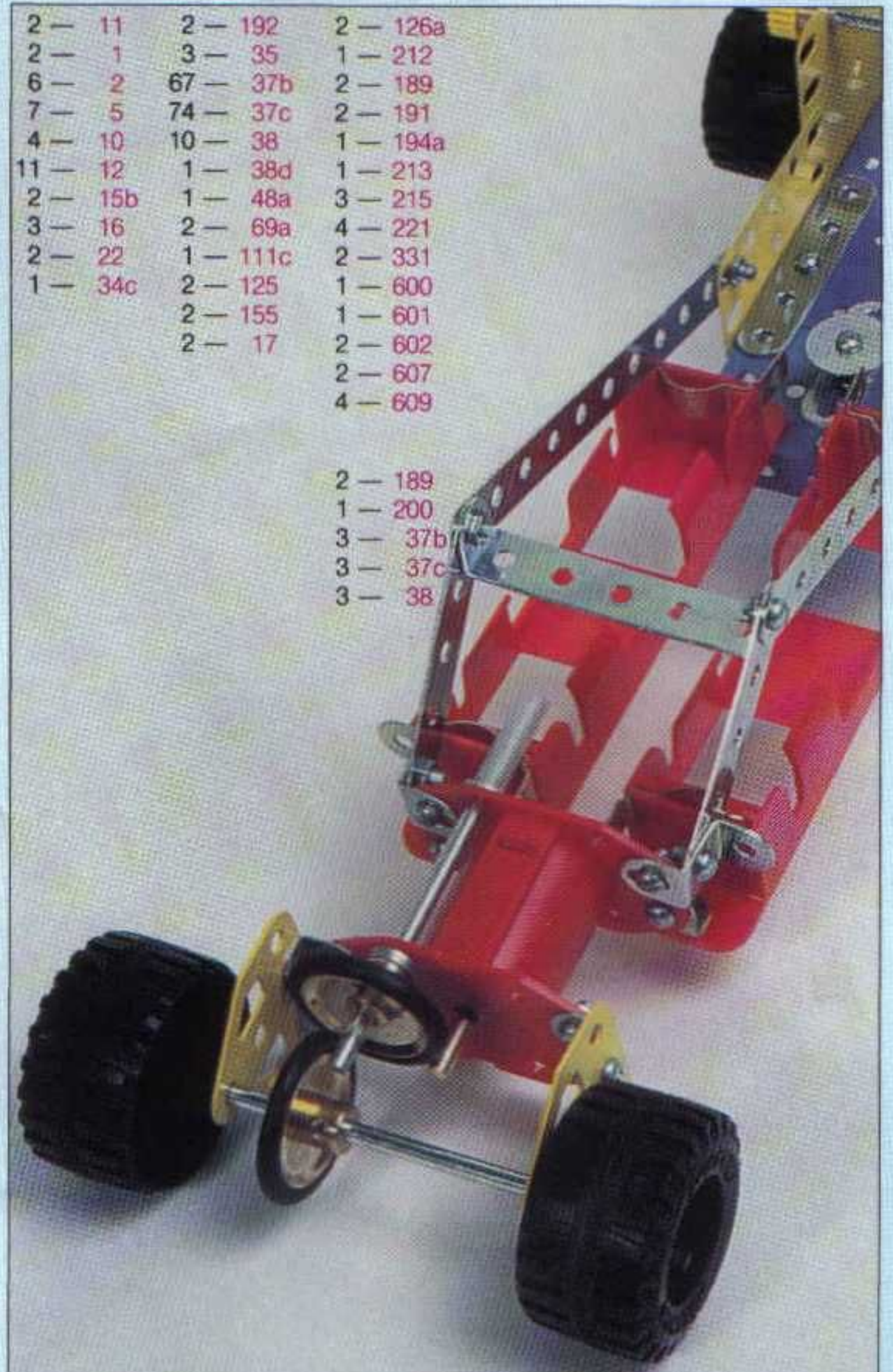
ROCKET LAUNCHER  
 LANCE FUSEE  
 RAKETENRAMPE  
 STUWRACKET  
 LANCIAMISSILI  
 LANZACOHETES



2 - 1	2 - 22	1 - 38d	2 - 190	4 - 221
6 - 2	1 - 24	2 - 48a	2 - 191	4 - 331
7 - 5	2 - 26	6 - 69a	2 - 192	1 - 600
4 - 10	1 - 27a	1 - 111c	1 - 194	1 - 601
2 - 11	1 - 27c	1 - 111d	1 - 194a	2 - 602
11 - 12	1 - 34c	2 - 125	1 - 200	2 - 607
2 - 15b	3 - 35	2 - 126a	1 - 212	4 - 609
3 - 16	70 - 37b	2 - 155	1 - 213	
2 - 17	77 - 37c	2 - 188	2 - 214	
1 - 19s	10 - 38	2 - 189	3 - 215	



2 - 26	1 - 19s
1 - 27c	2 - 214
1 - 27a	1 - 52
1 - 48a	4 - 69a
2 - 215	2 - 190
1 - 111d	2 - 188
1 - 24	1 - 194
1 - 15b	



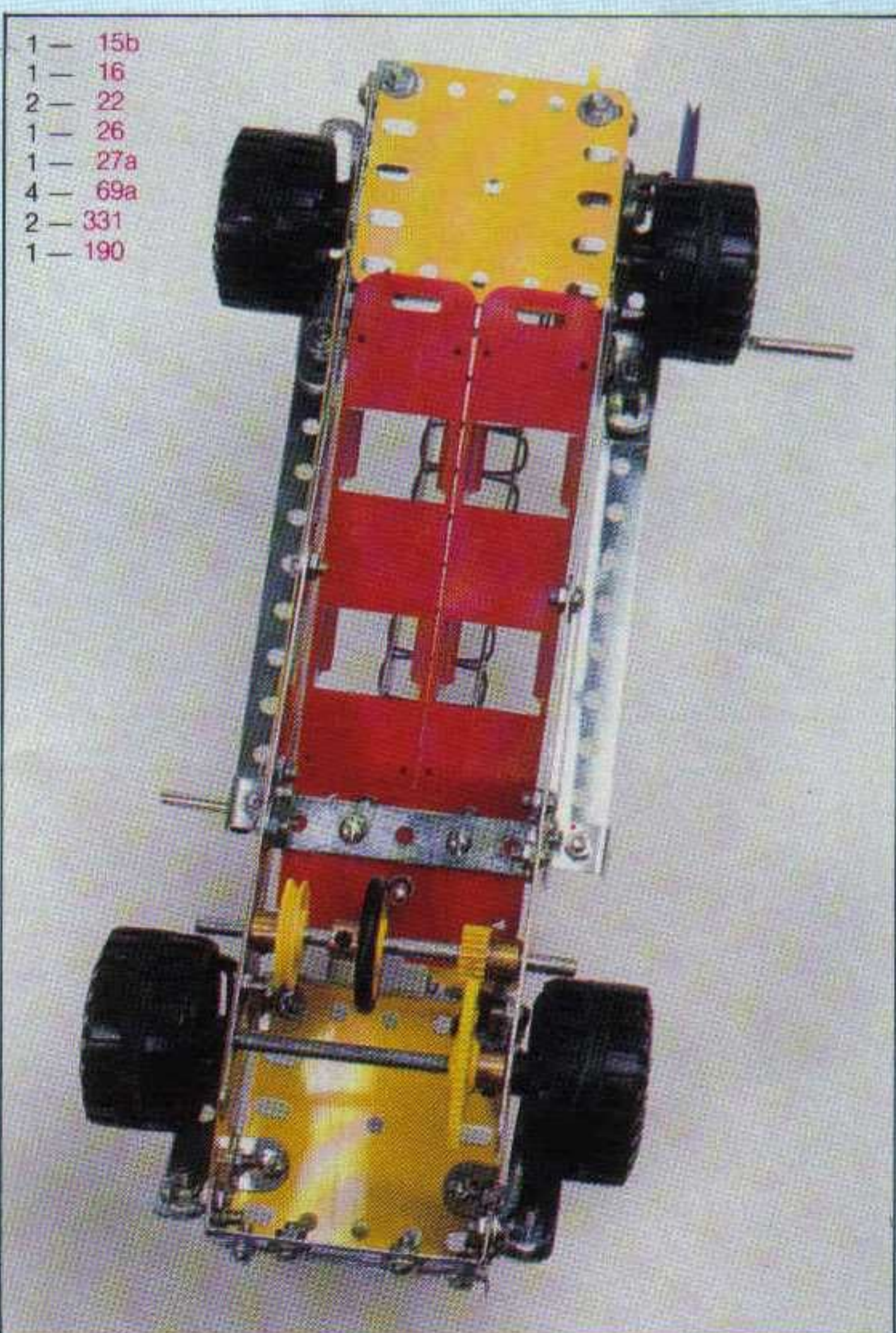
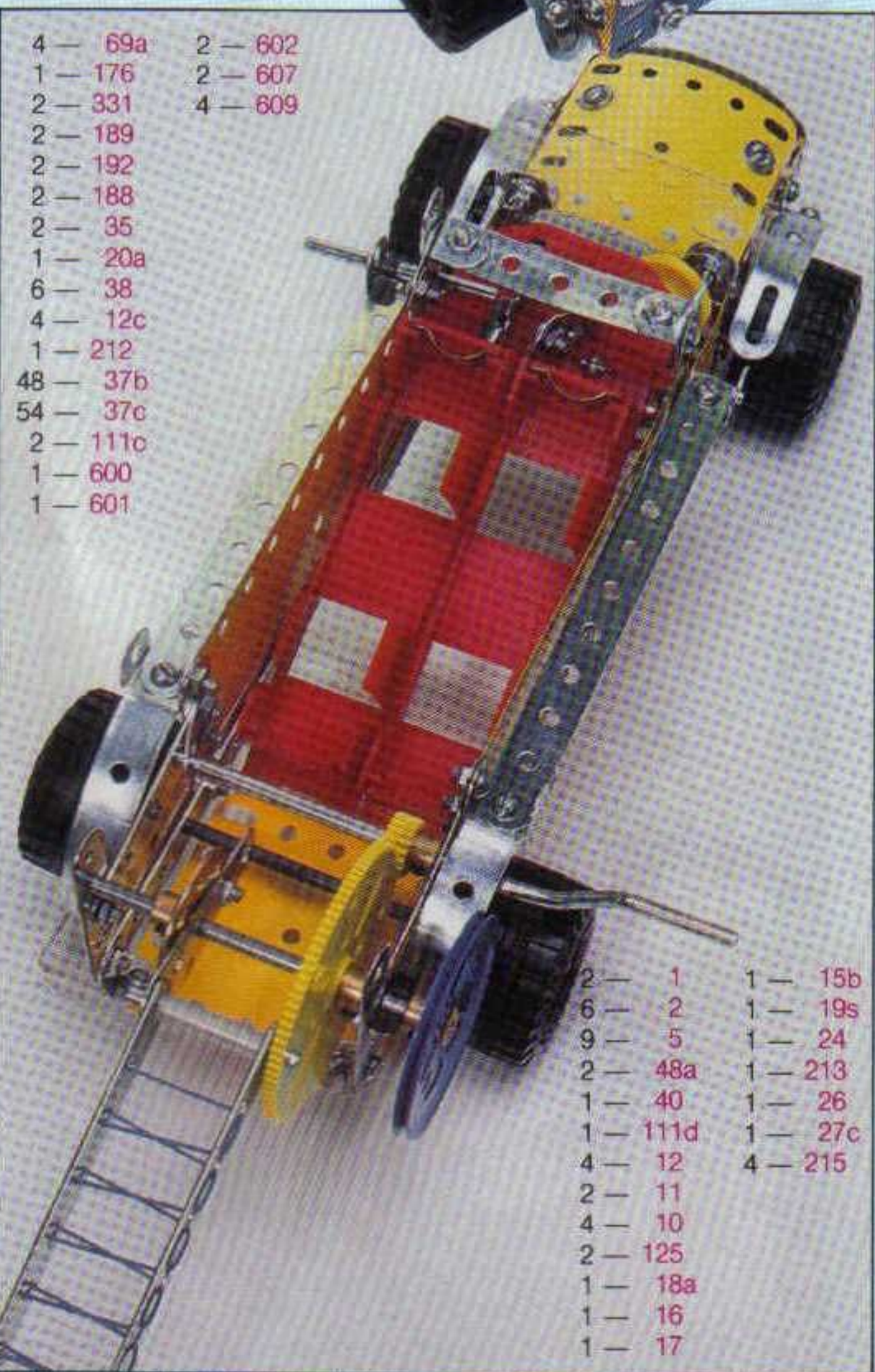
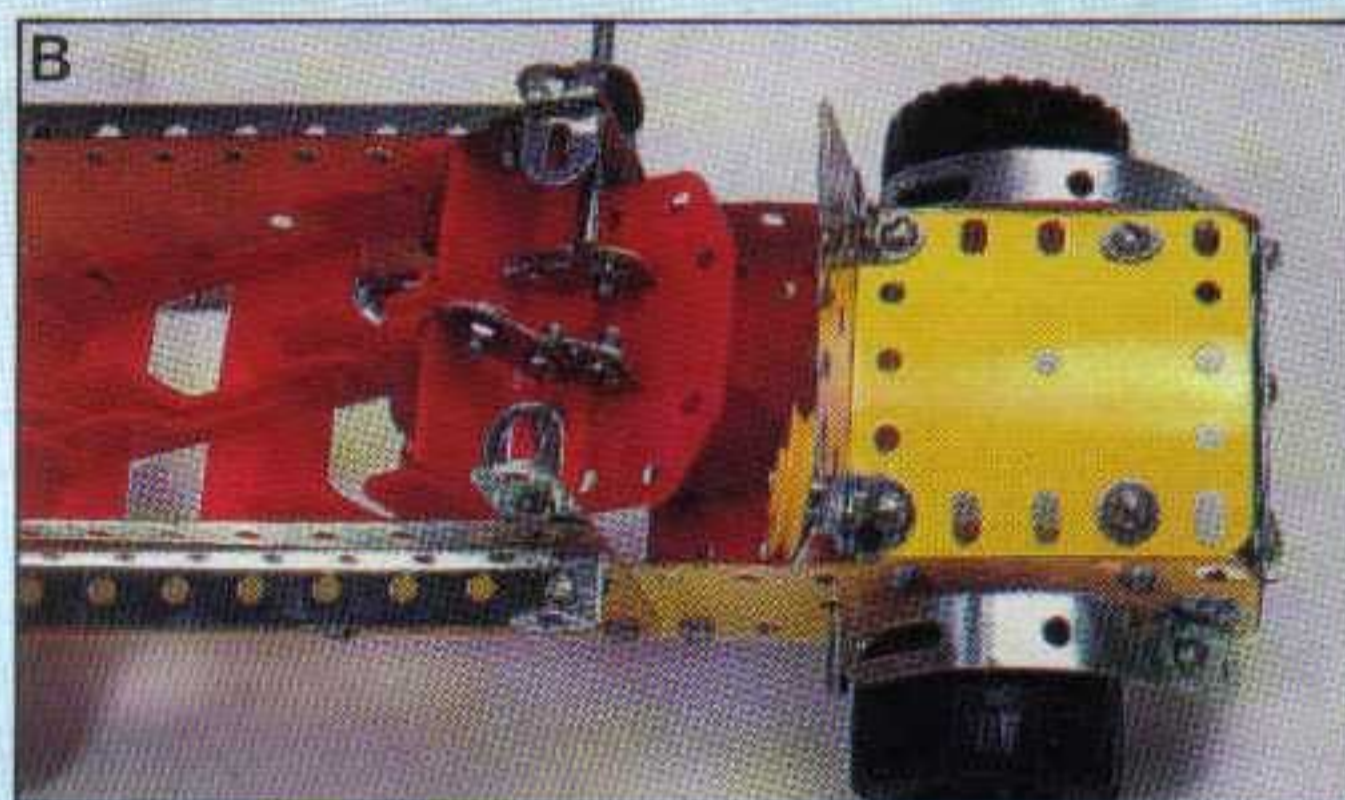
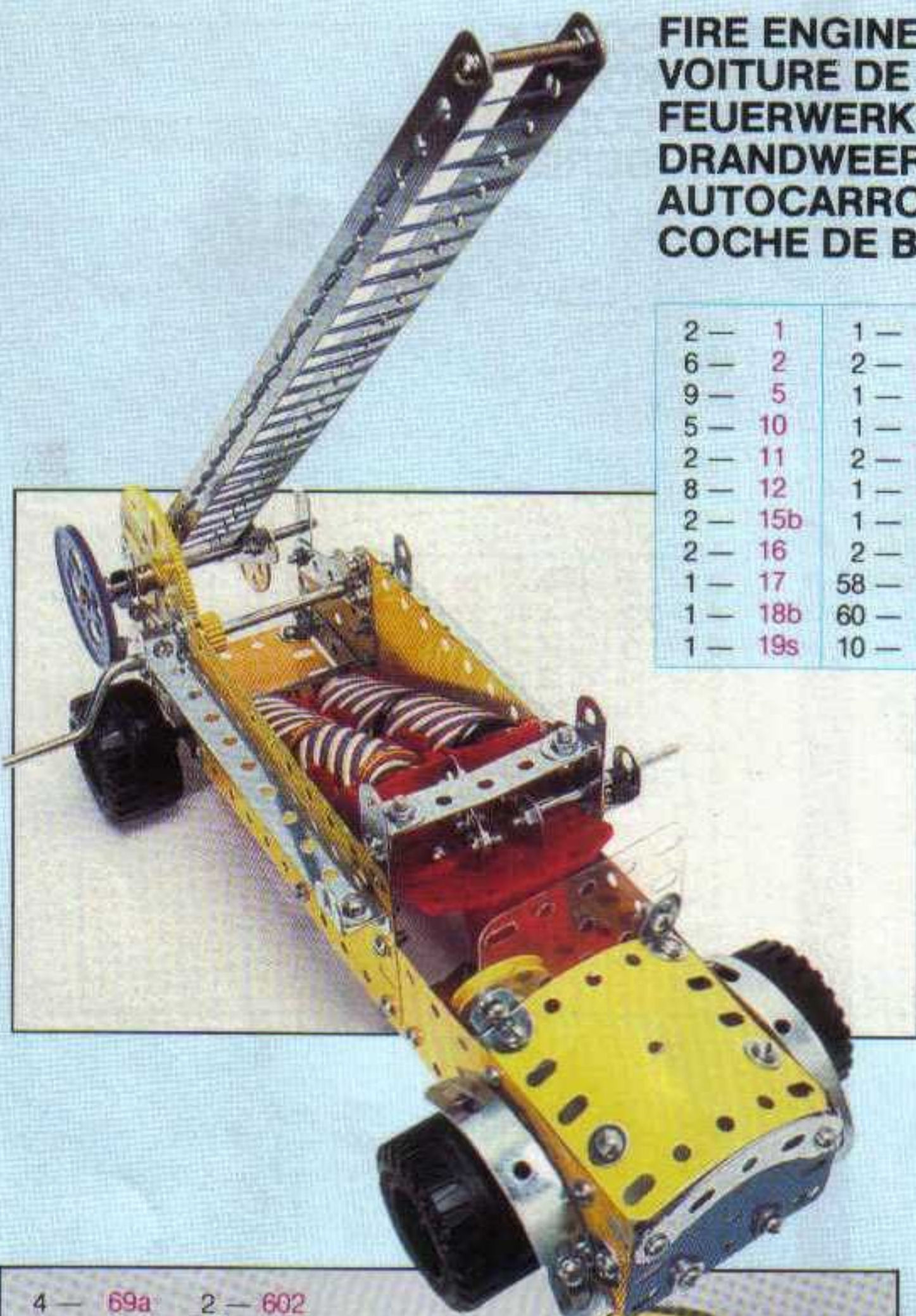
2 - 11	2 - 192	2 - 126a
2 - 1	3 - 35	1 - 212
6 - 2	67 - 37b	2 - 189
7 - 5	74 - 37c	2 - 191
4 - 10	10 - 38	1 - 194a
11 - 12	1 - 38d	1 - 213
2 - 15b	1 - 48a	3 - 215
3 - 16	2 - 69a	4 - 221
2 - 22	1 - 111c	2 - 331
1 - 34c	2 - 125	1 - 600
	2 - 155	1 - 601
	2 - 17	2 - 602
		2 - 607
		4 - 609
		2 - 189
		1 - 200
		3 - 37b
		3 - 37c
		3 - 38

**FIRE ENGINE  
VOITURE DE POMPIERS  
FEUERWERKWAGEN  
DRANDWEERAUTO  
AUTOCARRO DEI VIGILI DEL FUOCO  
COCHE DE BOMBEROS**

2 - 1	1 - 20a	1 - 40	1 - 190	1 - 600
6 - 2	2 - 22	2 - 48a	2 - 192	1 - 601
9 - 5	1 - 22a	8 - 69a	1 - 193	2 - 602
5 - 10	1 - 24	1 - 90a	1 - 194	2 - 607
2 - 11	2 - 26	2 - 111c	1 - 200	4 - 609
8 - 12	1 - 27a	1 - 111d	1 - 212	
2 - 15b	1 - 27c	2 - 125	1 - 213	
2 - 16	2 - 35	1 - 155	4 - 215	
1 - 17	58 - 37b	1 - 176	4 - 331	
1 - 18b	60 - 37c	2 - 188		
1 - 19s	10 - 38	2 - 189		

**B**

1 - 200	1 - 90a
1 - 193	10 - 37b
1 - 194	10 - 37c
1 - 10	4 - 38
4 - 12	
1 - 22a	
1 - 18b	



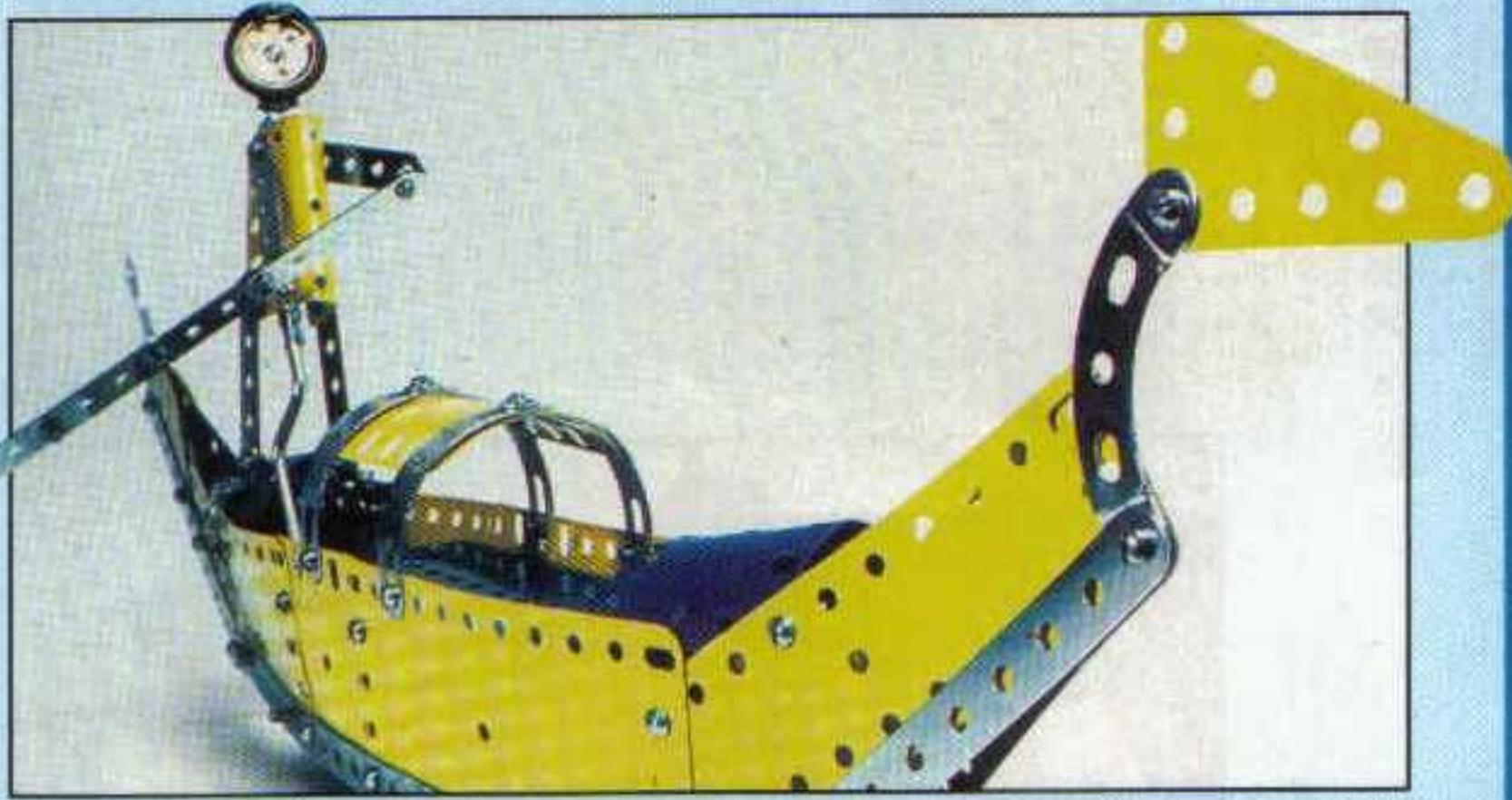
4 - 69a	2 - 602
1 - 176	2 - 607
2 - 331	4 - 609
2 - 189	
2 - 192	
2 - 188	
2 - 35	
1 - 20a	
6 - 38	
4 - 12c	
1 - 212	
48 - 37b	
54 - 37c	
2 - 111c	
1 - 600	
1 - 601	

1 - 15b
1 - 16
2 - 22
1 - 26
1 - 27a
4 - 69a
2 - 331
1 - 190

2 - 1	1 - 15b
6 - 2	1 - 19s
9 - 5	1 - 24
2 - 48a	1 - 213
1 - 40	1 - 26
1 - 111d	1 - 27c
4 - 12	4 - 215
2 - 11	
4 - 10	
2 - 125	
1 - 18a	
1 - 16	
1 - 17	

**GONDOLA  
GONDOLE  
GONDEL**

2 — 1	1 — 19s	2 — 90a	2 — 194a
6 — 2	1 — 22a	1 — 111c	1 — 199
3 — 5	1 — 24	1 — 111d	1 — 200
1 — 10	59 — 37b	2 — 188	2 — 214
1 — 11	63 — 37c	2 — 189	2 — 215
8 — 12	3 — 38	2 — 190	1 — 221
1 — 16	1 — 52	2 — 191	
1 — 18a	1 — 69a	2 — 192	
1 — 18b		2 — 194	



**CROCODILE  
KROKODIL  
COCCODRILLO  
COCODRILO**

2 — 1	2 — 26	2 — 126	1 — 600
2 — 2	1 — 27a	2 — 126a	1 — 601
8 — 5	1 — 27c	1 — 155	2 — 602
3 — 10	2 — 35	1 — 186	2 — 607
2 — 11	58 — 37b	2 — 188	4 — 609
8 — 12	62 — 37c	2 — 189	
2 — 15b	4 — 38	2 — 190	
3 — 16	1 — 48a	2 — 191	
1 — 17	1 — 52	2 — 192	
1 — 18b	5 — 69a	1 — 200	
2 — 22	2 — 90a	1 — 213	
2 — 22a	2 — 111c	1 — 215	
2 — 24	1 — 111d	2 — 221	
	2 — 125	2 — 331	

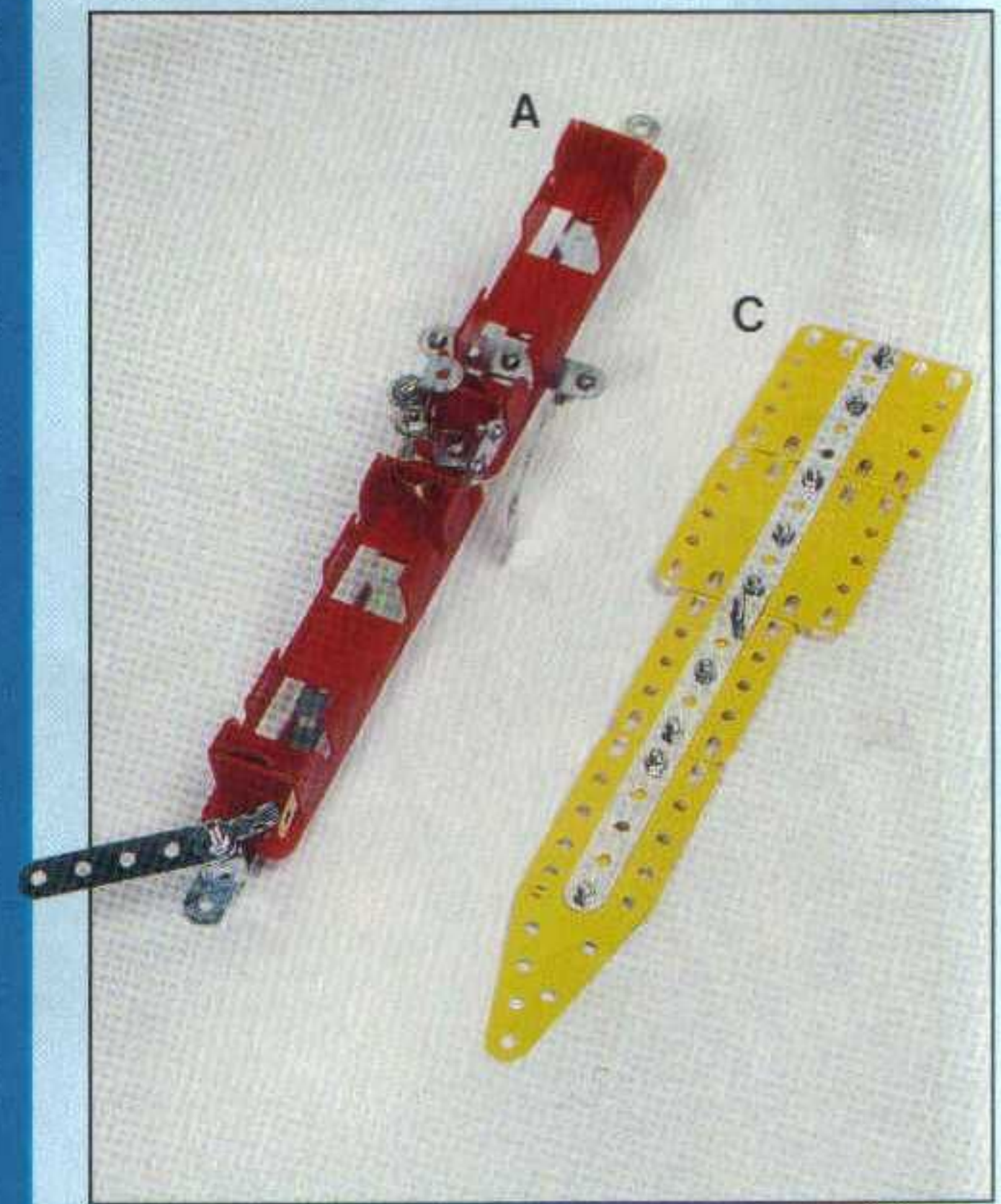
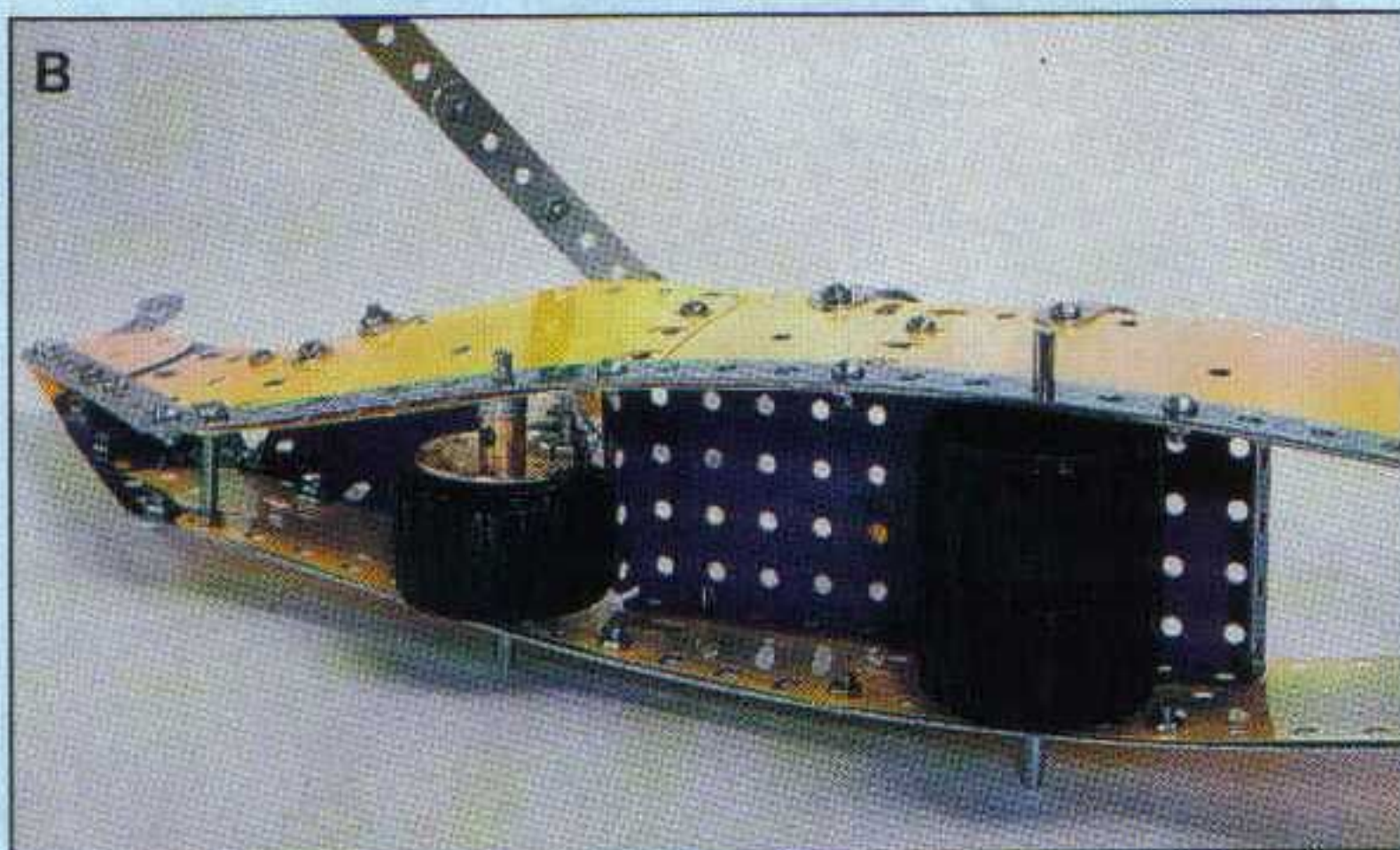


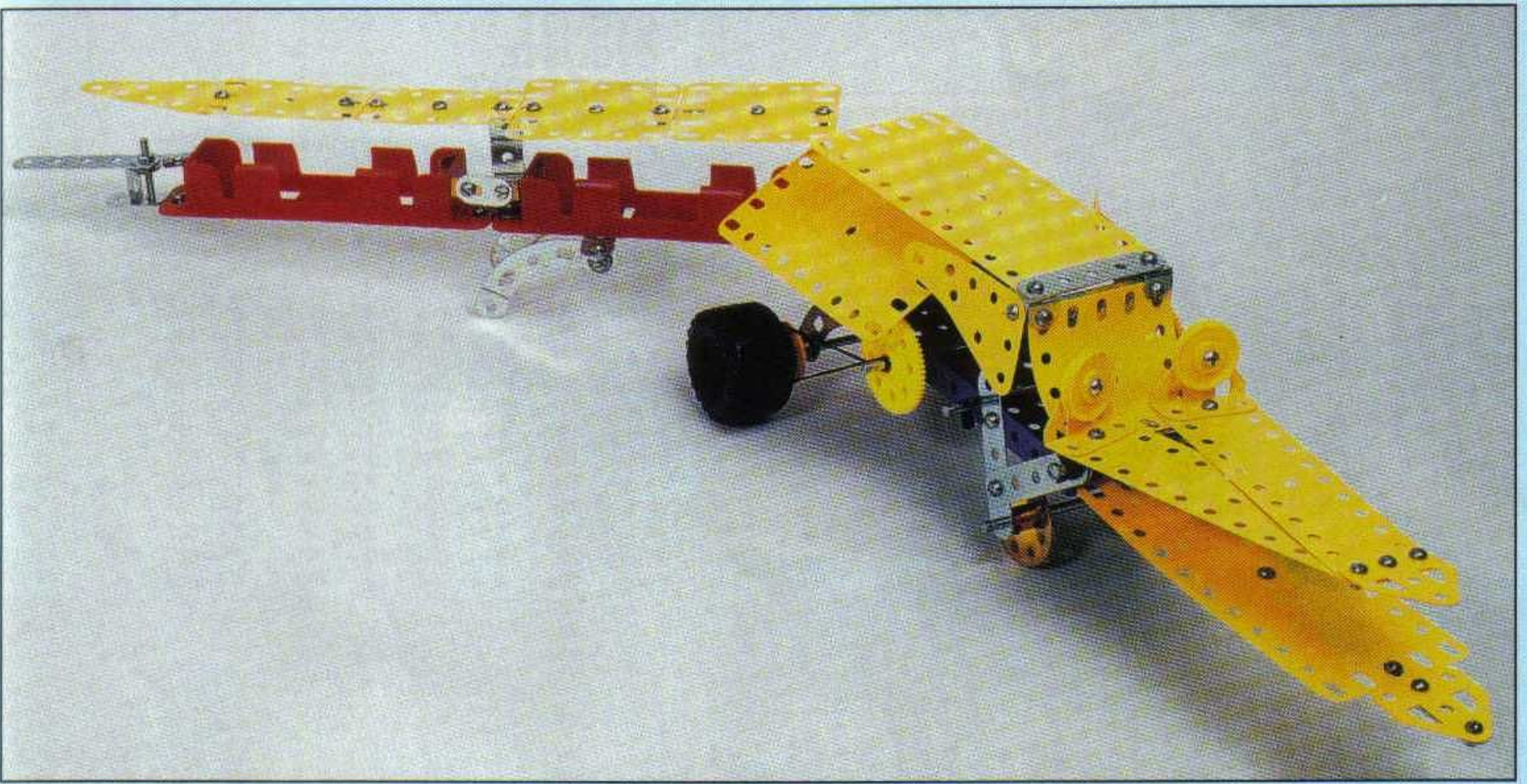
**A**

2 — 1	2 — 188
6 — 2	2 — 189
3 — 5	2 — 190
1 — 10	2 — 191
1 — 11	2 — 192
8 — 12	2 — 194
1 — 19s	2 — 194a
1 — 22a	1 — 199
59 — 37b	1 — 200
63 — 37c	2 — 214
2 — 90a	2 — 215
1 — 52	1 — 221
1 — 111c	

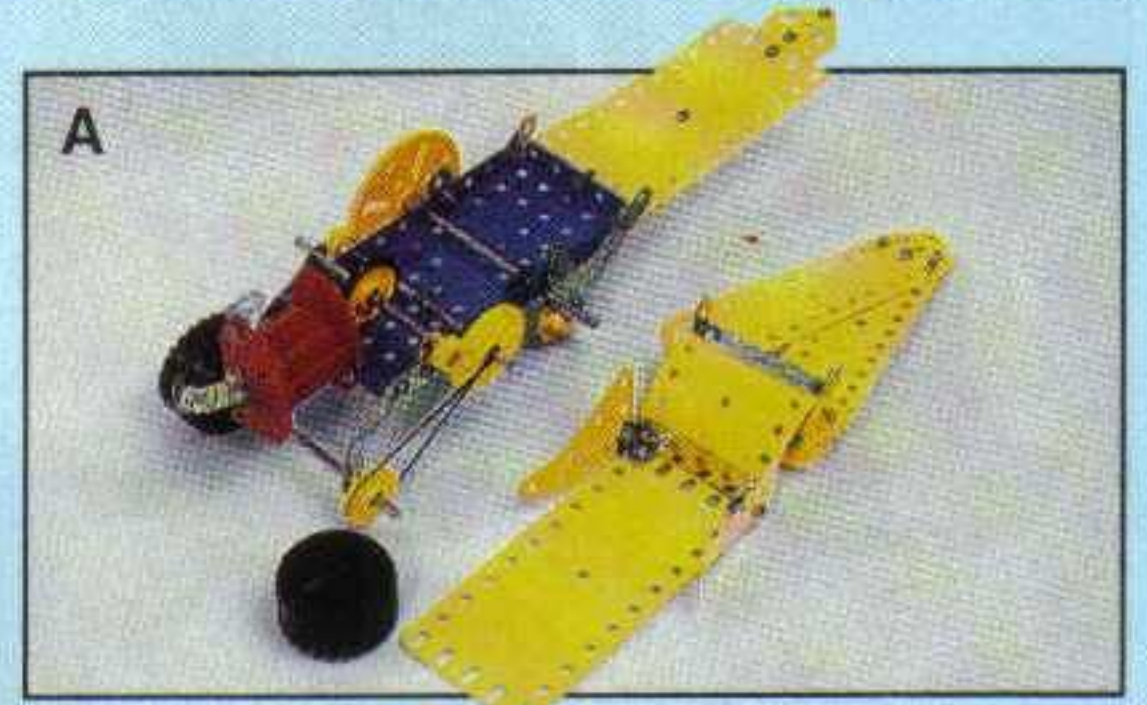
**B**

3 — 331	1 — 24	3 — 38
1 — 18a	1 — 16	1 — 111d
1 — 18b	1 — 69a	

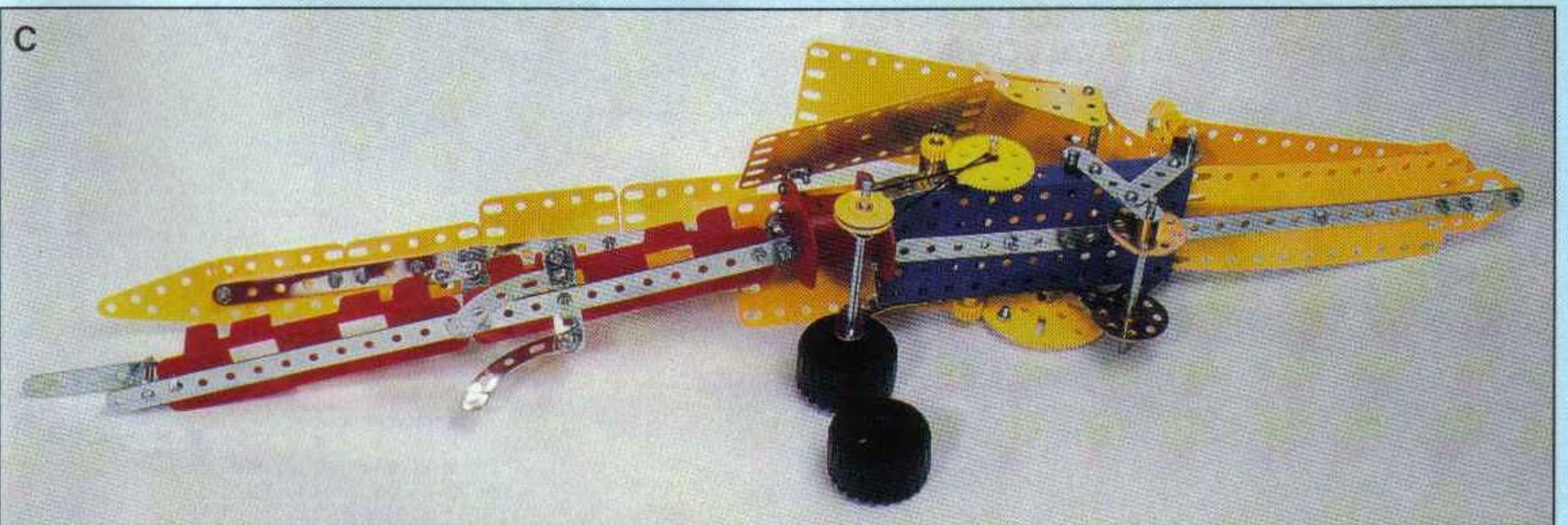
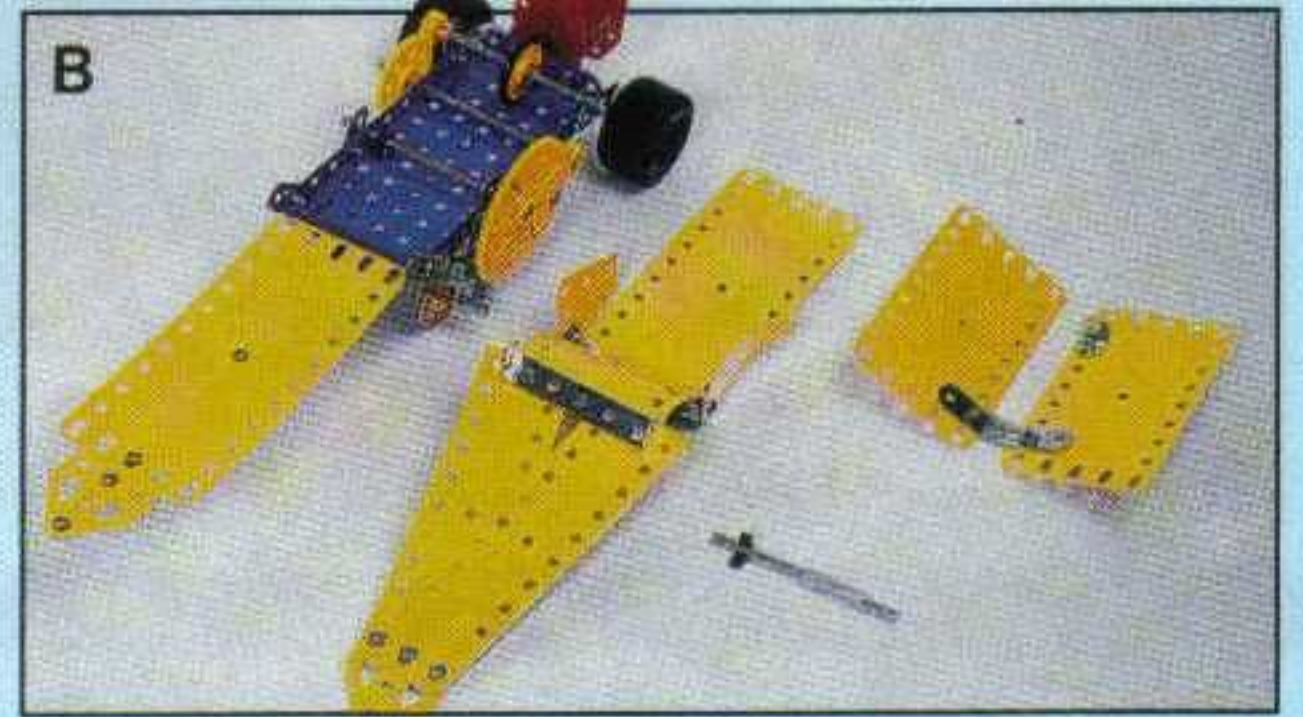


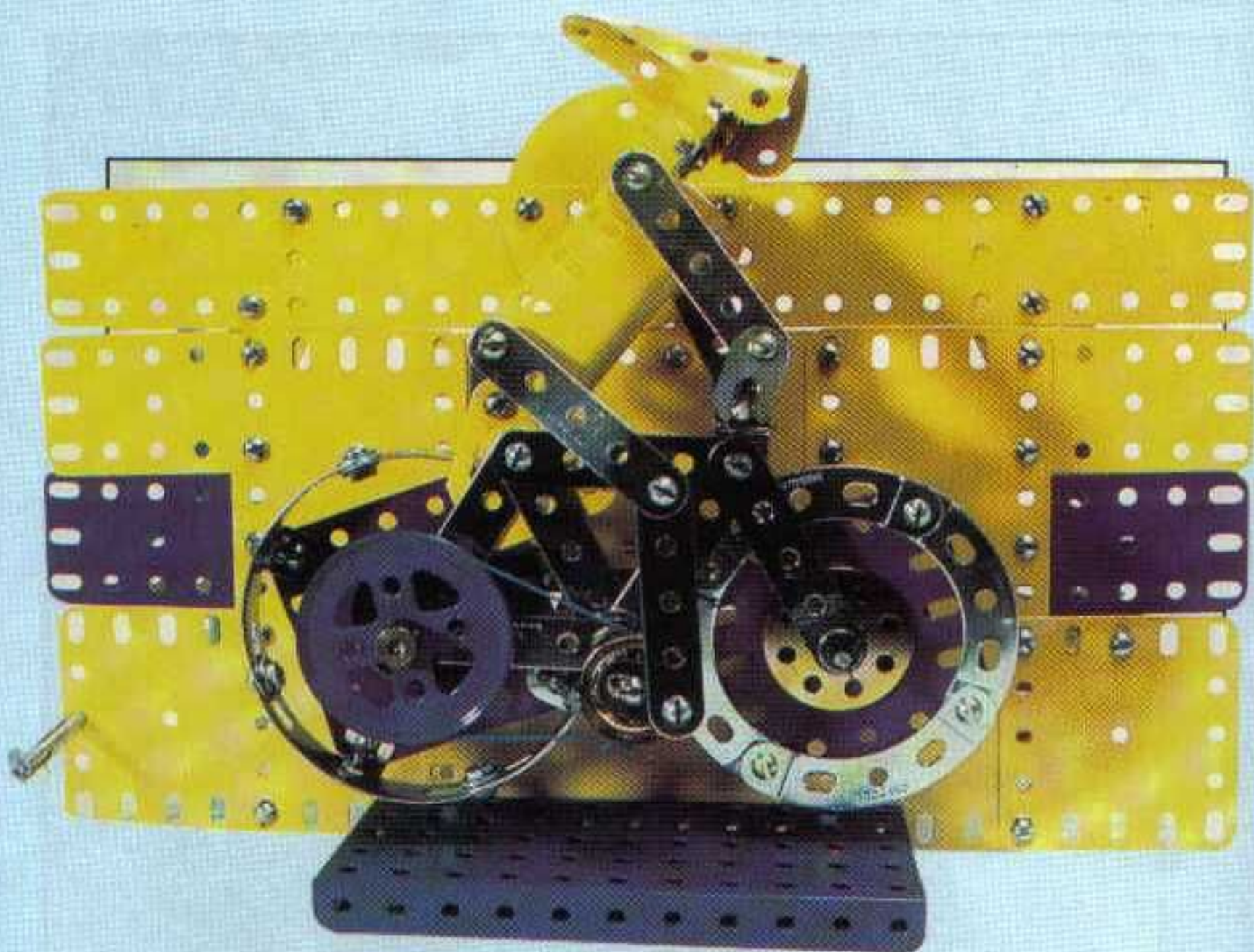


- |          |          |          |
|----------|----------|----------|
| <b>B</b> | <b>A</b> |          |
| 2 - 191  | 2 - 22a  | 2 - 189  |
| 1 - 215  | 1 - 200  | 2 - 221  |
| 1 - 12   | 1 - 192  | 1 - 126a |
| 1 - 17   | 16 - 37b | 1 - 48a  |
| 1 - 18b  | 16 - 37c | 4 - 12   |
|          |          | 2 - 5    |
|          |          | 2 - 126  |



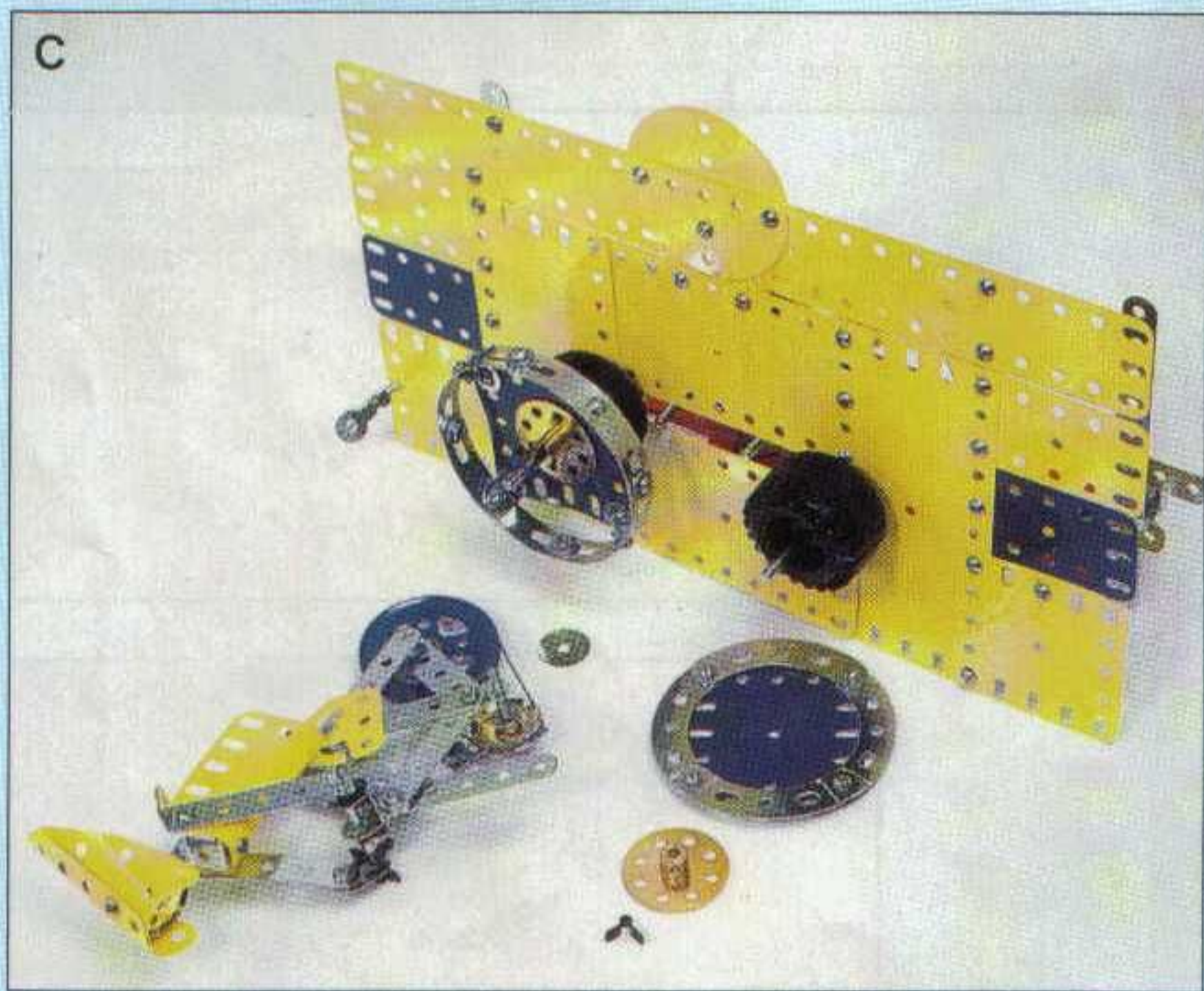
- |          |          |          |         |
|----------|----------|----------|---------|
| <b>C</b> |          |          |         |
| 2 - 2    | 2 - 22   | 2 - 90a  | 1 - 600 |
| 2 - 1    | 2 - 24   | 2 - 111c | 1 - 601 |
| 6 - 5    | 2 - 26   | 1 - 111d | 2 - 602 |
| 2 - 125  | 1 - 27a  | 1 - 176a | 2 - 607 |
| 2 - 11   | 1 - 27c  | 1 - 155  | 4 - 609 |
| 3 - 10   | 2 - 35   | 1 - 186  | 1 - 213 |
| 3 - 12   | 42 - 37b | 2 - 188  |         |
| 2 - 15b  | 46 - 37c | 2 - 190  |         |
| 3 - 16   | 4 - 38   | 1 - 192  |         |
|          | 1 - 52   | 1 - 221  |         |
|          | 5 - 69a  |          |         |





**CYCLIST  
CYCLISTE  
RADFAHRER  
FIETSER  
CICLISTA**

2 — 1	1 — 27a	4 — 111c	2 — 194a
5 — 2	1 — 27c	1 — 111d	1 — 199
9 — 5	9 — 35	2 — 125	7 — 213
7 — 10	78 — 37b	2 — 126	2 — 214
2 — 11	86 — 37c	2 — 126a	4 — 215
8 — 12	5 — 38	1 — 176	2 — 221
1 — 15b	1 — 38d	1 — 186	2 — 331
3 — 16	1 — 40	2 — 188	1 — 600
1 — 19s	2 — 48a	2 — 189	1 — 601
1 — 20a	1 — 52	2 — 190	2 — 602
2 — 22	8 — 69a	2 — 191	2 — 607
2 — 22a	4 — 90a	2 — 192	4 — 609
1 — 23b		2 — 194	
2 — 24			
2 — 26			

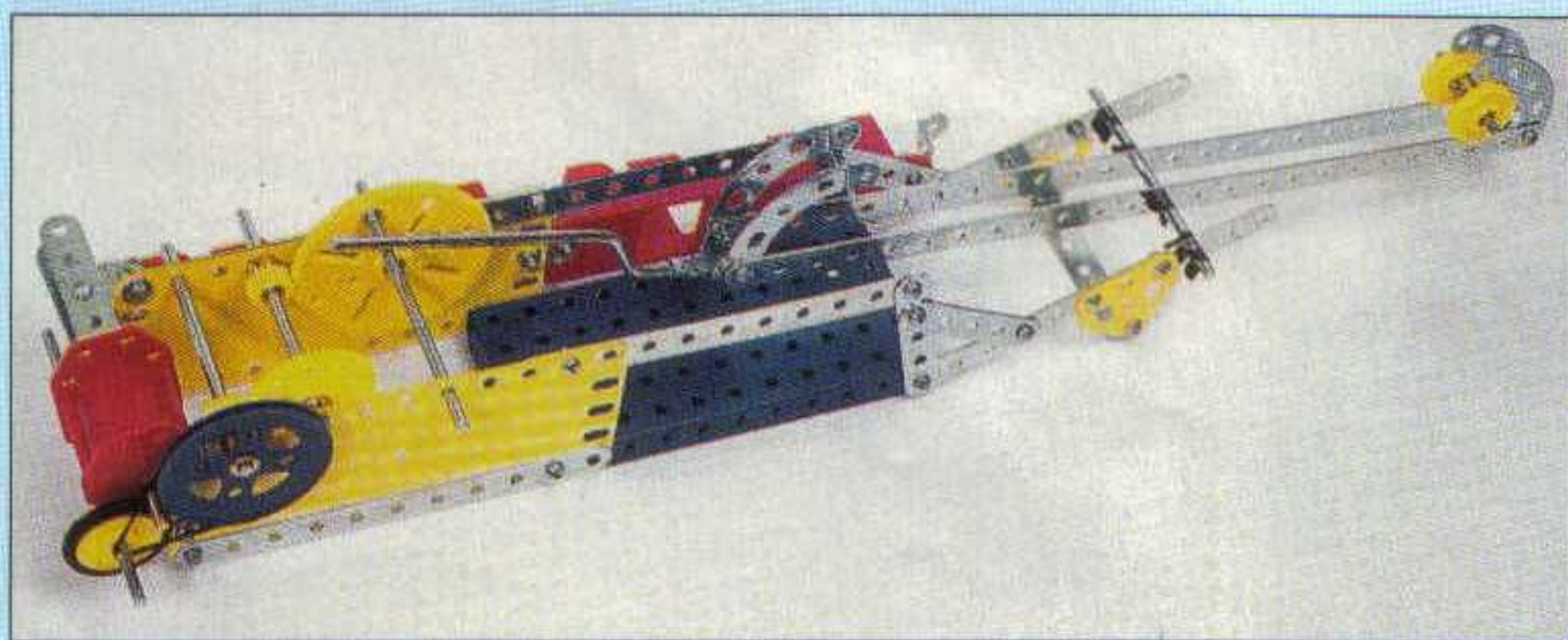


**B**

2 — 1	3 — 38
6 — 2	1 — 48a
2 — 10	6 — 69a
1 — 11	2 — 111c
2 — 12	1 — 125
2 — 16	2 — 126
1 — 19s	1 — 126a
2 — 22	1 — 176
1 — 23b	1 — 186
2 — 26	2 — 188
1 — 27a	2 — 189
1 — 27c	2 — 190
3 — 35	2 — 191
46 — 37b	2 — 192
49 — 37c	

**PUSH-PULL CART  
CHARIOT VA ET VIENT  
FOERDERWAGEN**

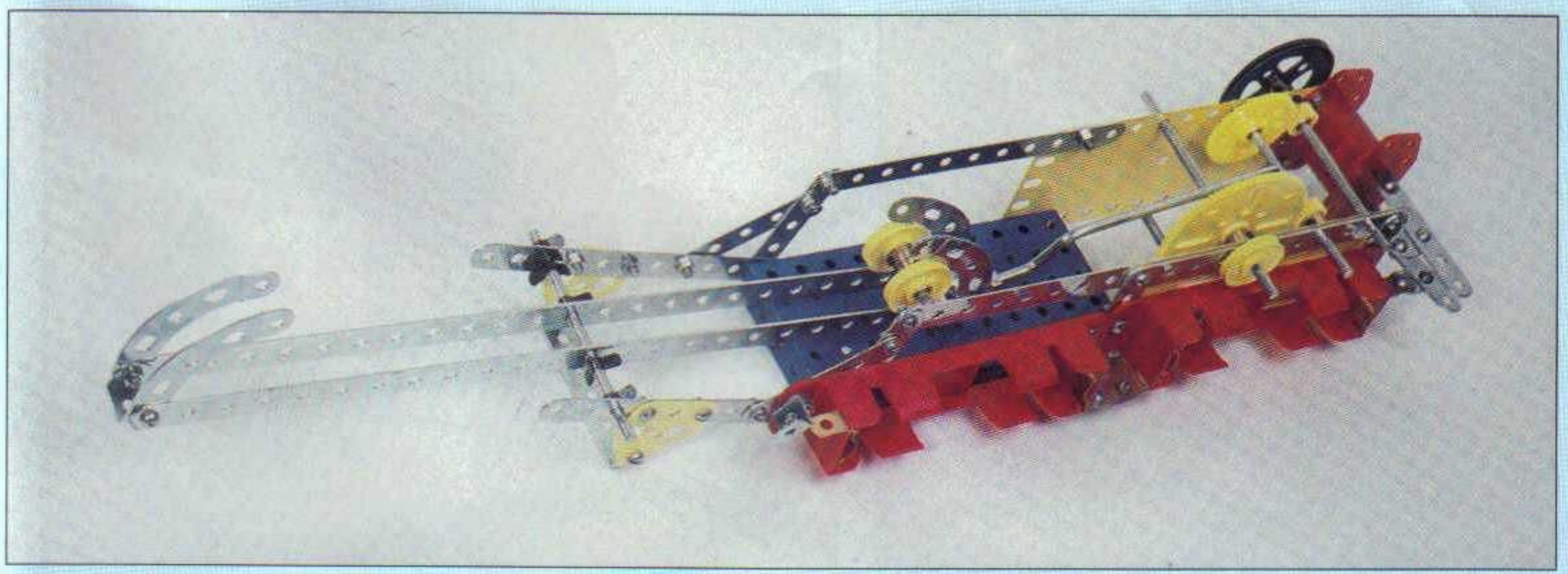
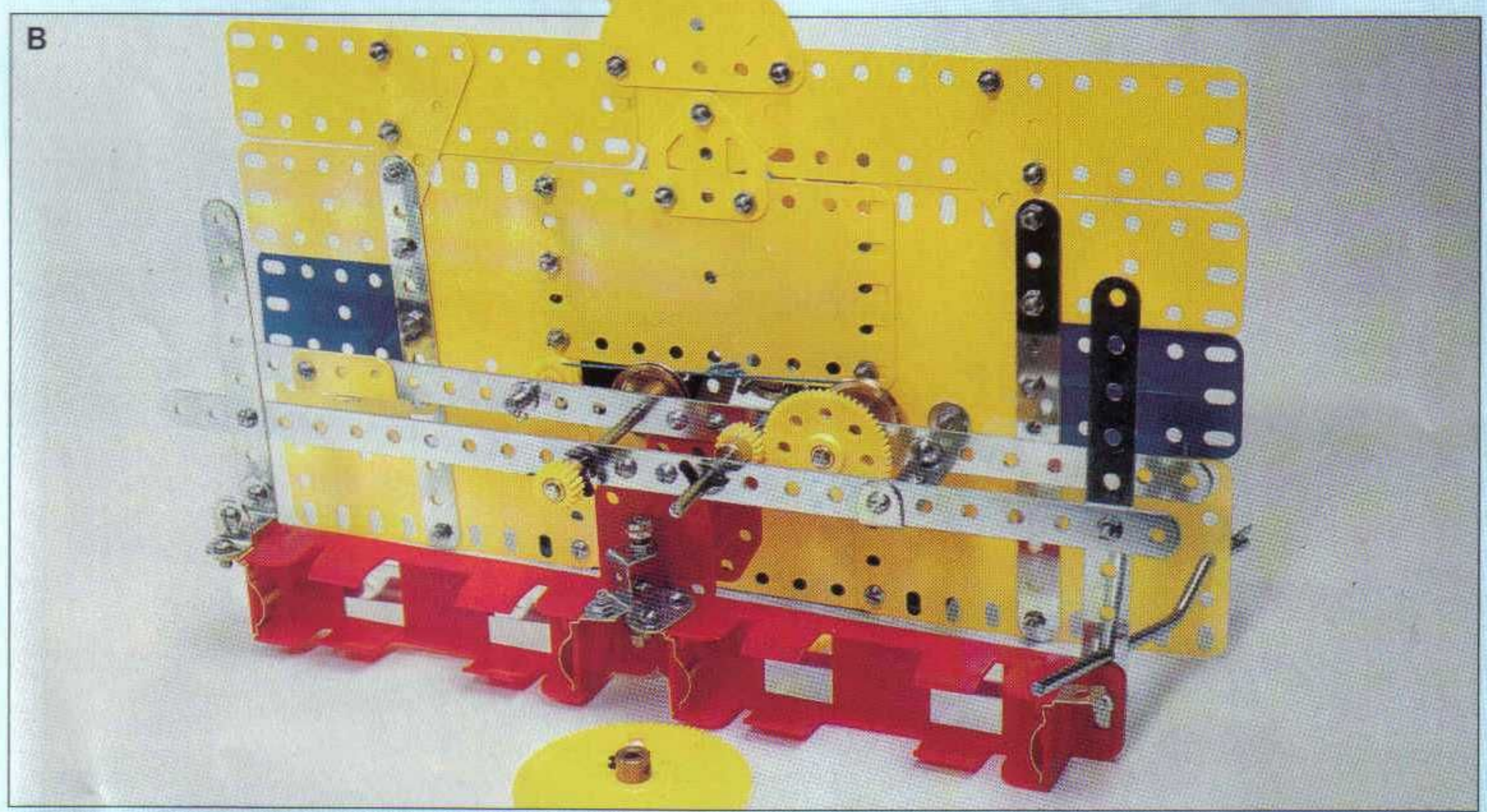
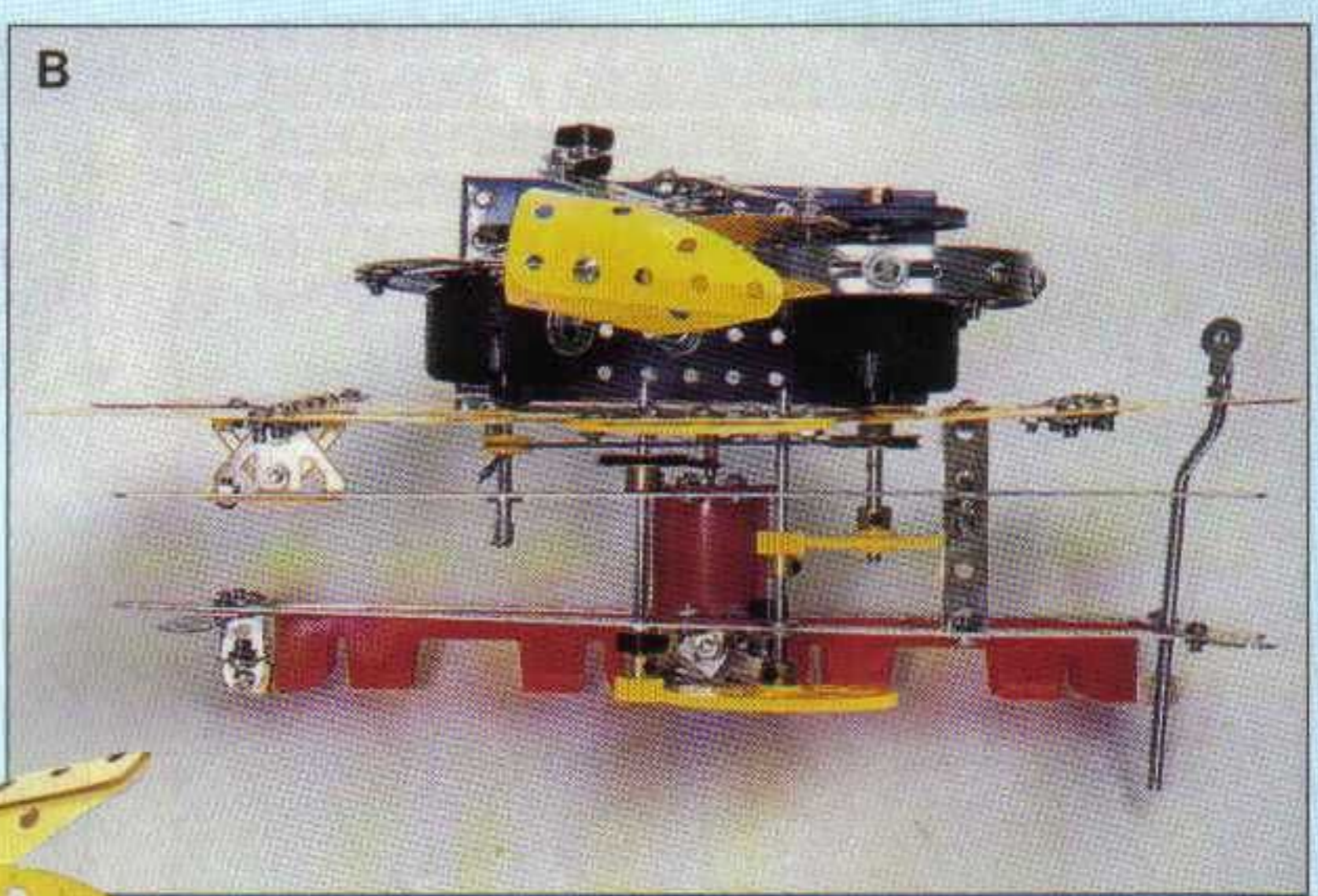
**DUWWAGEN  
CARRO DE VAIVEN  
CAVALLO VA E VIENI**



2 — 1	1 — 27c	2 — 192
6 — 2	5 — 35	1 — 212
8 — 5	36 — 37b	1 — 600
4 — 10	38 — 37c	1 — 601
2 — 11	2 — 38	2 — 602
1 — 12	2 — 48a	2 — 607
2 — 15b	1 — 52	4 — 609
3 — 16	7 — 69a	
1 — 18b	4 — 90a	
1 — 19s	1 — 111c	
1 — 20a	1 — 111d	
2 — 22	1 — 125	
2 — 22a	2 — 126a	
2 — 26	1 — 155	
1 — 27a	1 — 186	



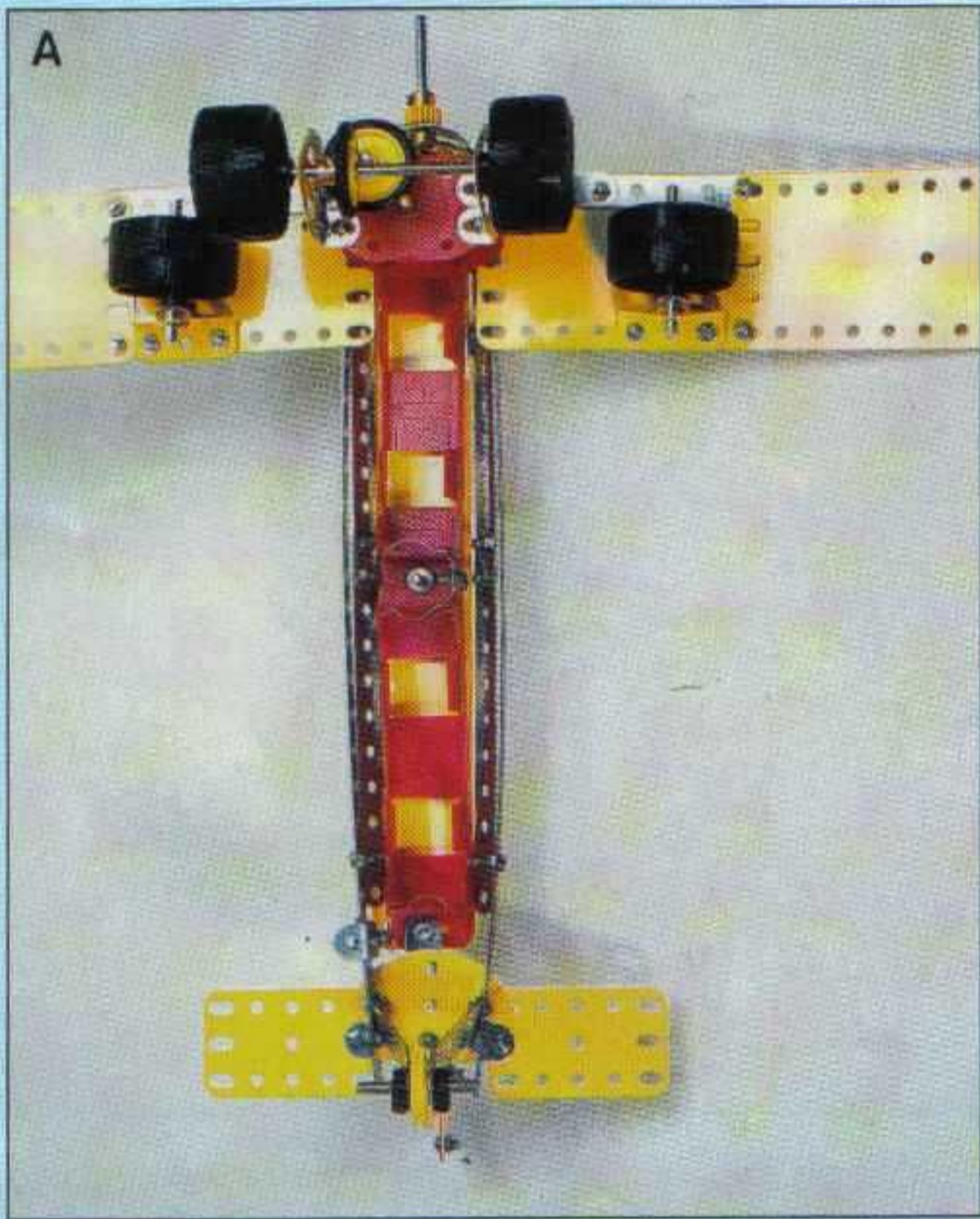
- C**
- |         |          |          |                |         |
|---------|----------|----------|----------------|---------|
| 2 — 194 | 1 — 15b  | 1 — 52   | <b>A</b> 9 — 5 | 1 — 199 |
| 2 — 214 | 1 — 16   | 2 — 69a  | 5 — 10         | 2 — 215 |
| 2 — 221 | 4 — 12   | 4 — 90a  | 1 — 11         |         |
| 1 — 600 | 1 — 20a  | 2 — 194a | 2 — 12         |         |
| 1 — 601 | 2 — 24   | 1 — 213  | 1 — 17         |         |
| 2 — 602 | 2 — 35   | 4 — 215  | 2 — 22a        |         |
| 2 — 607 | 18 — 37b | 2 — 331  | 4 — 35         |         |
| 4 — 609 | 18 — 37c |          | 14 — 37b       |         |
|         | 1 — 38d  |          | 19 — 37c       |         |
|         | 1 — 40   |          | 2 — 38         |         |



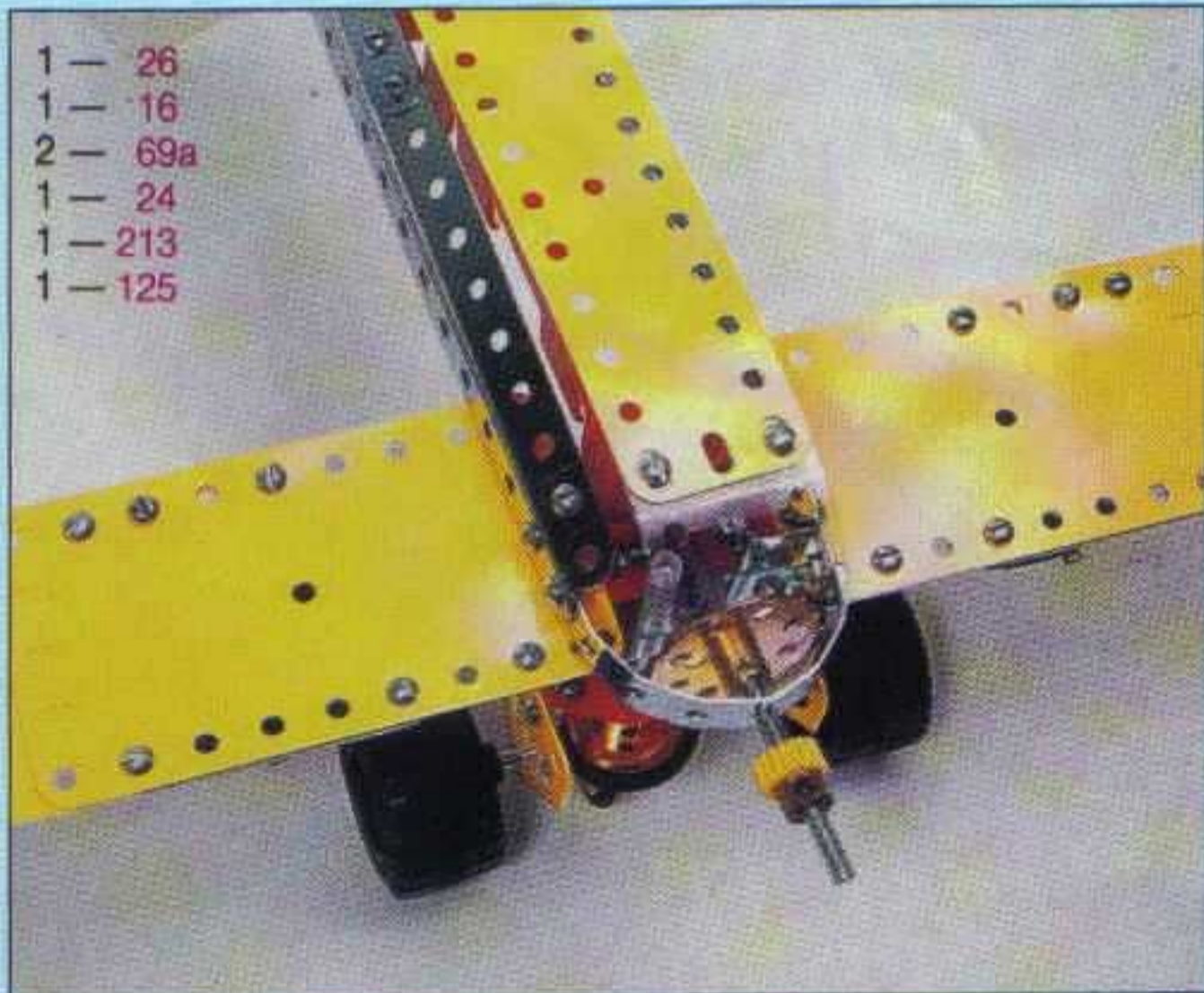
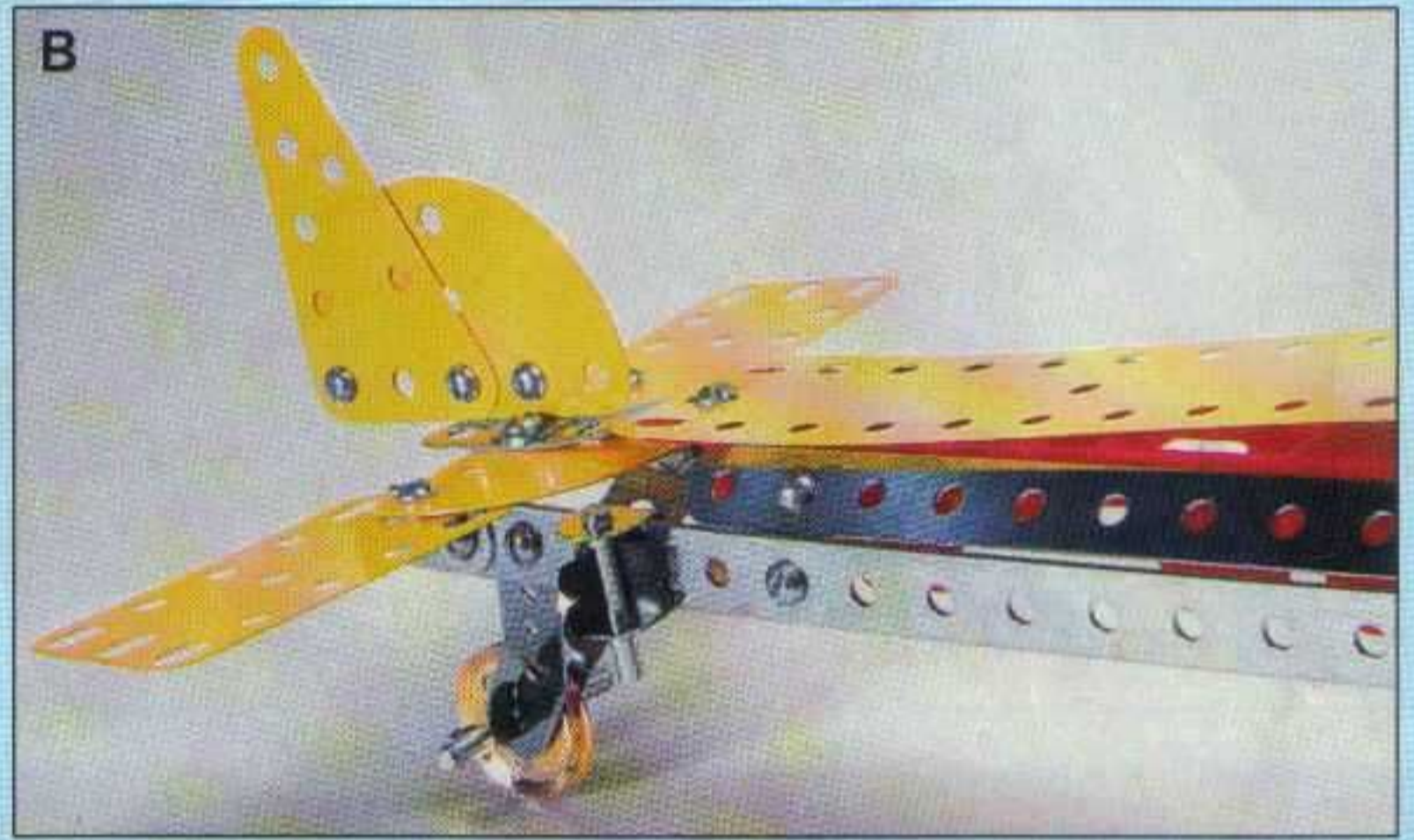
**AIRPLANE  
AVION  
FLUGZEUG  
VLIEGTUIG  
AEROPLANO**



2 - 1	2 - 22	2 - 126a	4 - 331
6 - 2	1 - 22a	2 - 155	1 - 600
5 - 5	1 - 24	2 - 188	1 - 601
1 - 11	1 - 26	2 - 189	2 - 602
7 - 12	4 - 35	2 - 191	2 - 607
4 - 12c	62 - 37b	2 - 192	4 - 609
2 - 15b	64 - 37c	1 - 193	
1 - 16	4 - 69a	1 - 213	
2 - 17	1 - 111c	2 - 214	
1 - 18a	1 - 125	1 - 221	
1 - 18b	2 - 126		

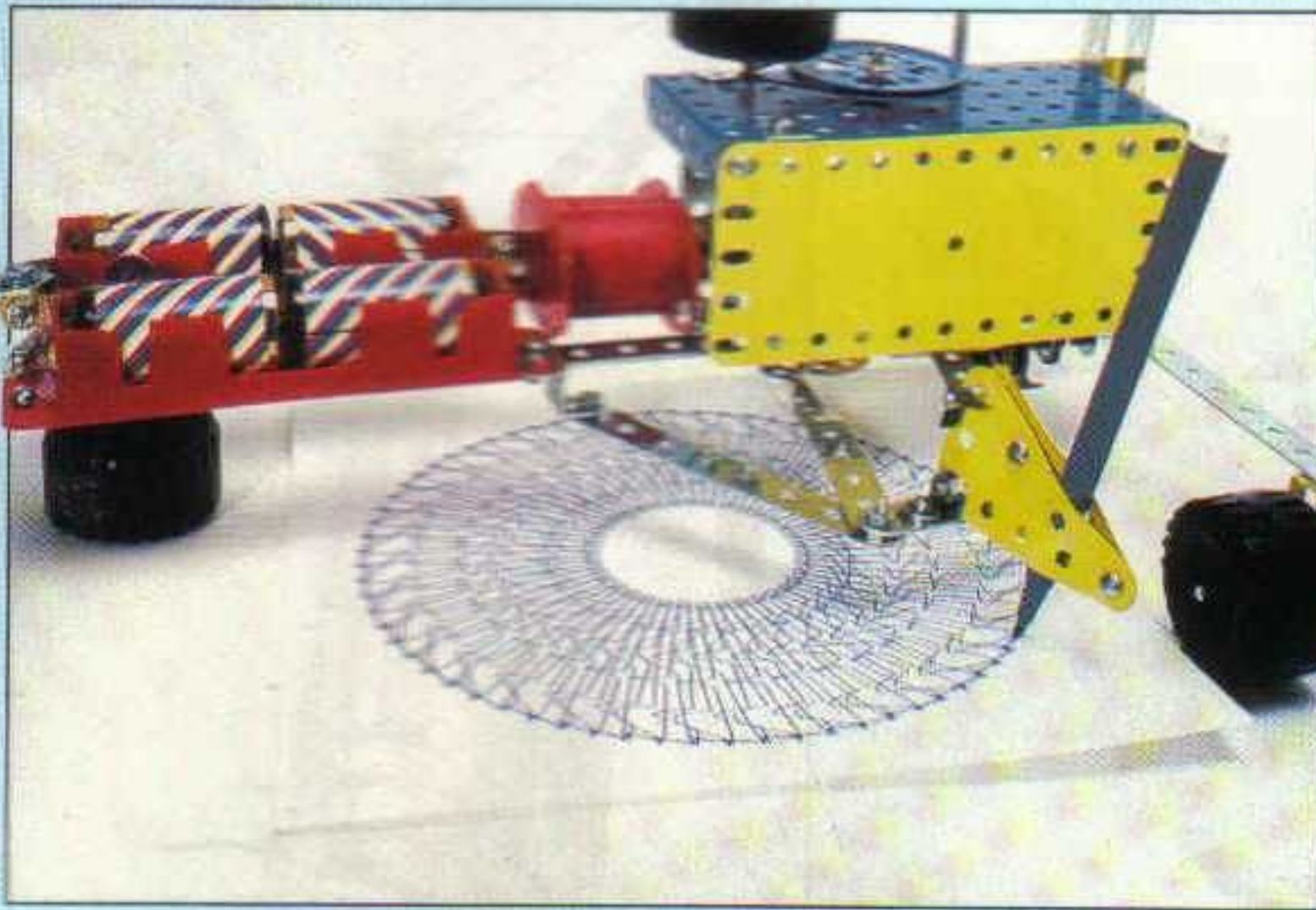


2 - 15b	2 - 1	54 - 37b	1 - 193
2 - 22	6 - 2	56 - 37c	2 - 189
2 - 155	5 - 5	2 - 331	3 - 12
2 - 126a	4 - 12c	2 - 126	2 - 188
4 - 12	2 - 17	2 - 191	2 - 214
2 - 331		2 - 192	1 - 221
1 - 600		2 - 607	1 - 11
1 - 601		4 - 609	1 - 18a
2 - 602			1 - 18b
8 - 37b			1 - 22a
8 - 37c			4 - 35
2 - 69a			1 - 111c



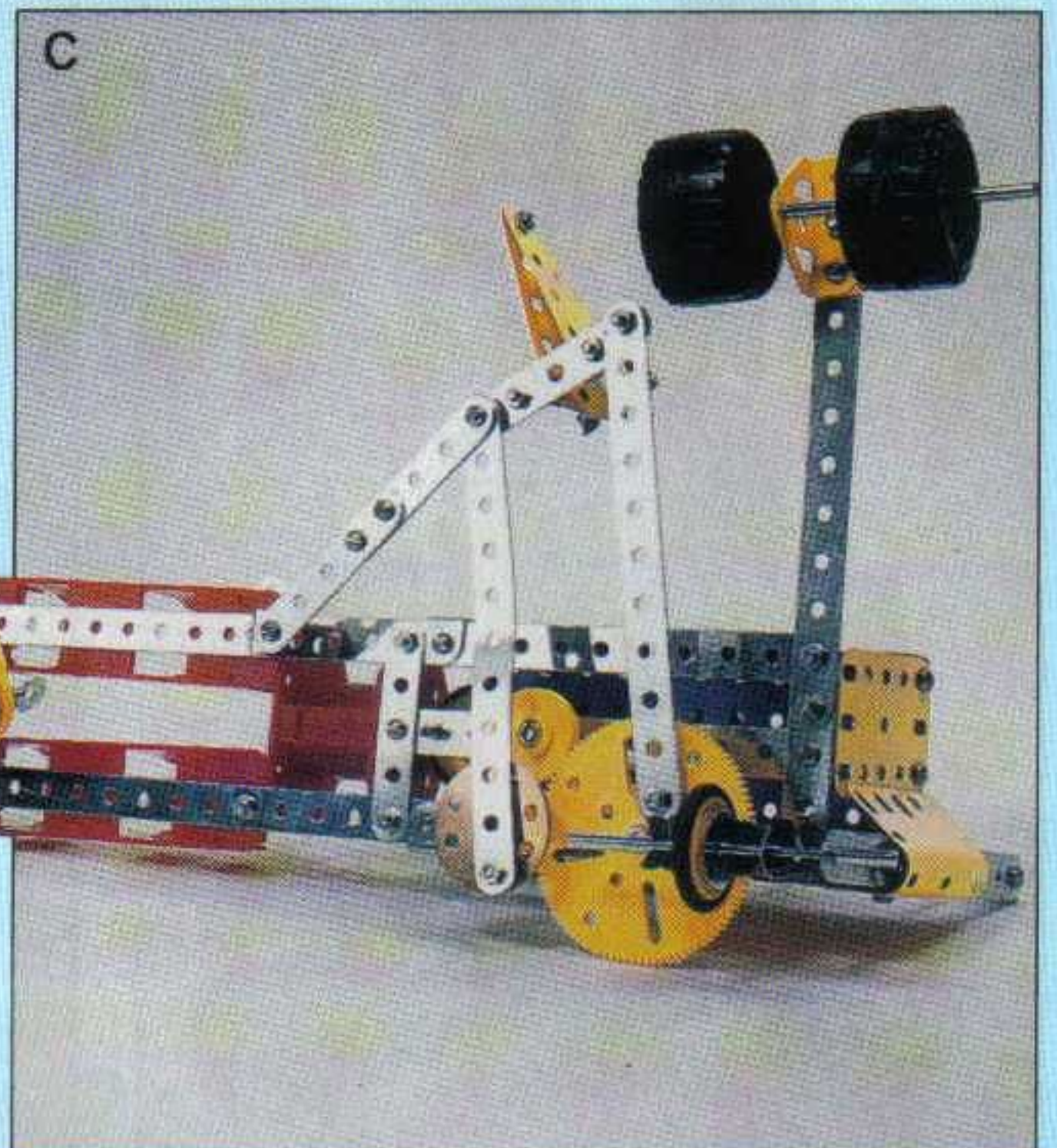
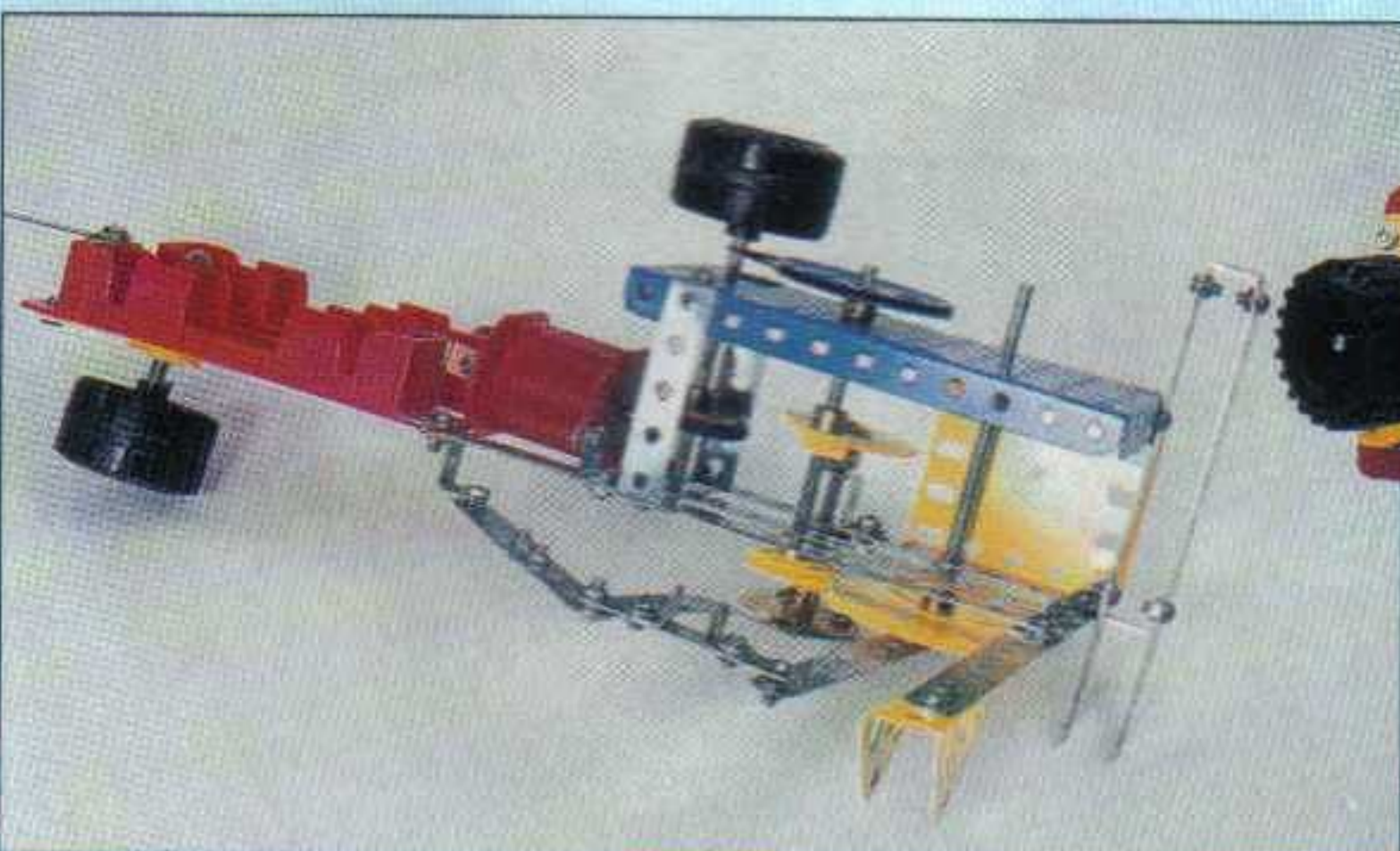
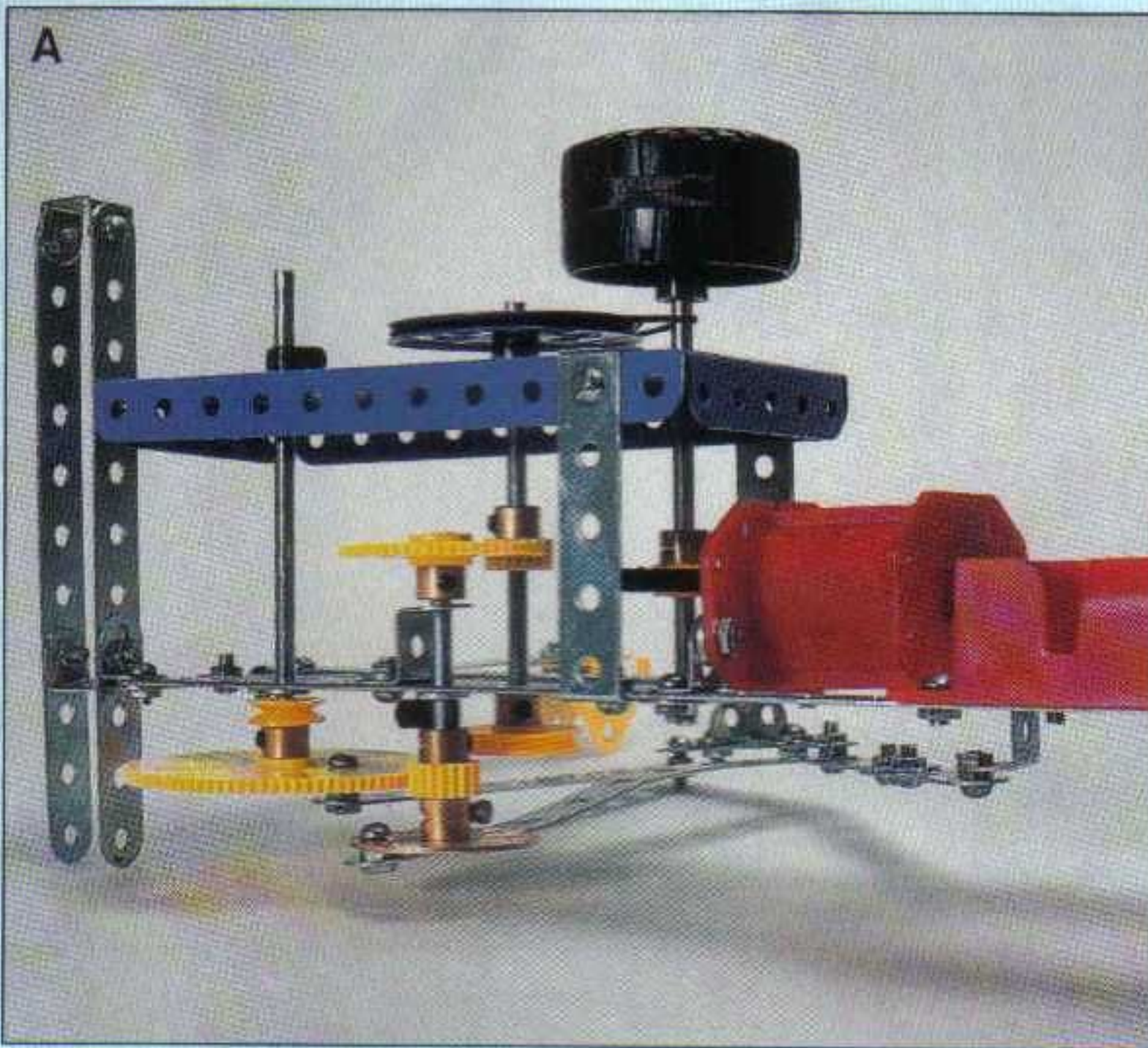
**PANTOGRAPH  
MACHINE A DESSINER  
ZEICHENMASCHINE  
TEKENMACHINE  
MACCHINA PER DISEGNARE  
MAQUINA DE DIBUJAR**

- C** 1 — 69  
2 — 12  
1 — 69a  
1 — 199  
1 — 190  
1 — 125  
4 — 5  
3 — 2  
2 — 16  
1 — 22a  
1 — 155  
1 — 27c  
1 — 24  
2 — 126a  
2 — 331  
2 — 221  
14 — 37b  
4 — 111c  
23 — 37



- A** 2 — 1 1 — 125 1 — 20a 2 — 11  
3 — 2 1 — 5 2 — 15b 2 — 35  
2 — 26 2 — 48a 1 — 16 1 — 331  
2 — 22 6 — 69a 1 — 17 1 — 186  
1 — 23b 1 — 52 3 — 12 19 — 37b  
1 — 27a 19 — 37c  
1 — 155
- B** 1 — 600 2 — 10 1 — 22a  
1 — 601 1 — 5 1 — 176  
2 — 602 2 — 12 1 — 212  
2 — 607 1 — 214 1 — 331  
4 — 609 1 — 111d 1 — 18b  
8 — 37b 2 — 38  
10 — 37c 1 — 188  
1 — 192

- |         |          |          |         |
|---------|----------|----------|---------|
| 2 — 1   | 1 — 20a  | 51 — 37c | 1 — 190 |
| 6 — 2   | 2 — 22   | 2 — 38   | 1 — 191 |
| 6 — 5   | 1 — 22a  | 2 — 48a  | 1 — 199 |
| 2 — 10  | 1 — 23b  | 1 — 52   | 1 — 212 |
| 2 — 11  | 1 — 24   | 1 — 69   | 1 — 214 |
| 7 — 12  | 2 — 26   | 7 — 69a  | 2 — 221 |
| 2 — 15b | 1 — 27a  | 4 — 111c | 4 — 331 |
| 3 — 16  | 1 — 27c  | 1 — 111d | 1 — 600 |
| 1 — 17  | 2 — 35   | 2 — 125  | 1 — 601 |
| 1 — 18b | 41 — 37b | 2 — 155  | 2 — 602 |
|         |          | 1 — 176  | 2 — 607 |
|         |          | 1 — 188  | 4 — 609 |

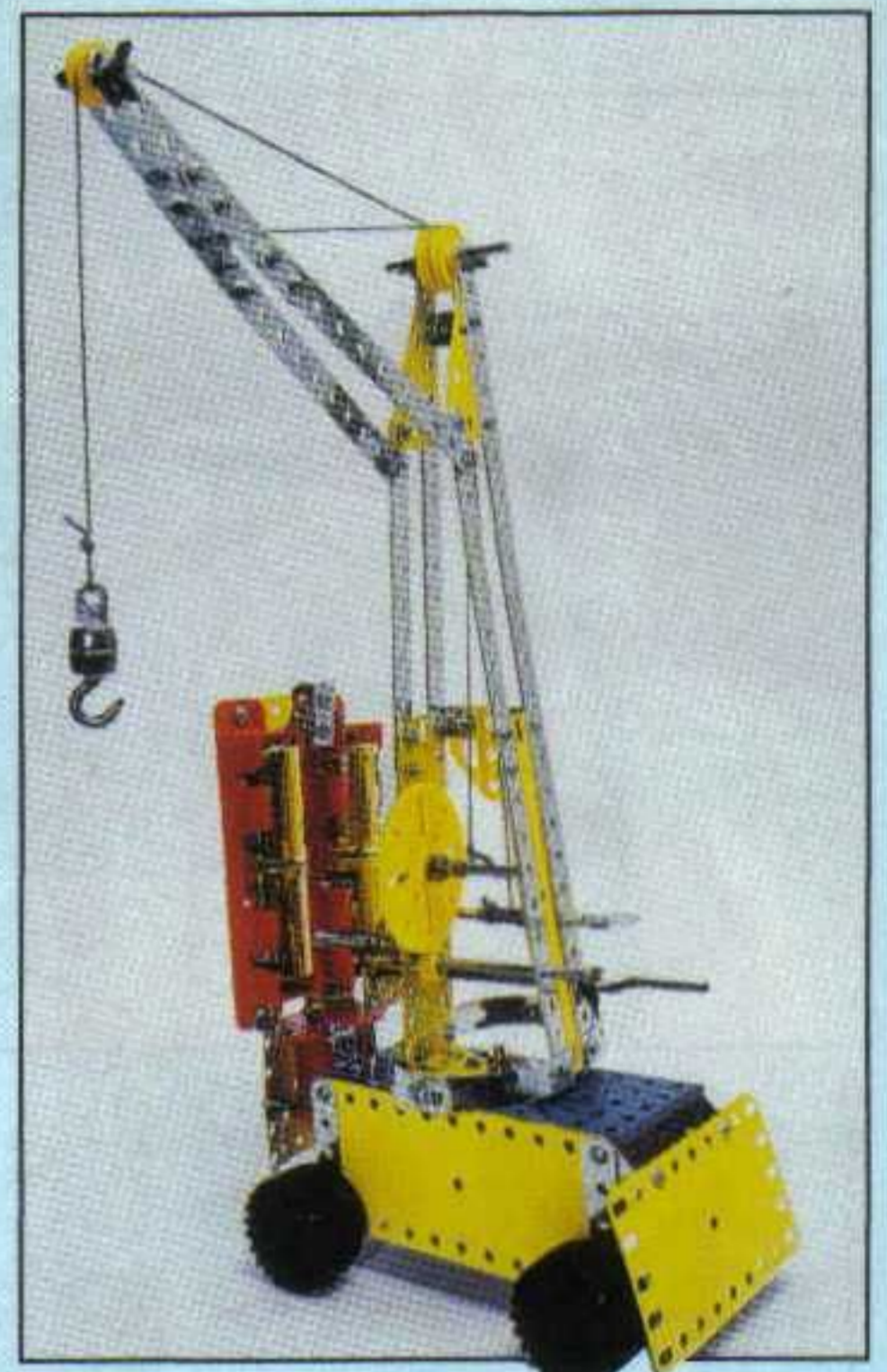


**CRANE  
GRUE  
KRAN  
HIJSKRAAN  
GRU  
GRUA**

2 - 1	1 - 23b	9 - 69a	1 - 600
6 - 2	2 - 24	1 - 90a	1 - 601
8 - 5	2 - 26	1 - 111d	2 - 602
3 - 10	1 - 27a	1 - 125	2 - 607
2 - 11	1 - 27c	2 - 126	4 - 609
9 - 12	6 - 35	1 - 126a	
2 - 15b	59 - 37b	2 - 155	
3 - 16	63 - 37c	1 - 176	
2 - 17	2 - 38	1 - 188	
1 - 18b	2 - 38d	2 - 189	
1 - 19s	1 - 40	2 - 192	
1 - 20a	1 - 48a	1 - 200	
2 - 22	1 - 52	2 - 221	
2 - 22a	1 - 57c	4 - 331	

**B**

6 - 35	1 - 176
34 - 37b	2 - 189
38 - 37c	2 - 221
2 - 38	1 - 57c
1 - 40	
6 - 69a	
1 - 111d	
2 - 126	
1 - 126a	



<b>A</b>	<b>C</b>	<b>D</b>	
2 - 1	1 - 10	2 - 10	1 - 18b
6 - 2	2 - 11	1 - 12	1 - 20a
4 - 5	4 - 12	4 - 5	2 - 38d
4 - 12	1 - 16	2 - 15b	2 - 192
2 - 16	1 - 90a	2 - 22	
2 - 17	1 - 188	2 - 155	
1 - 19s	1 - 200	3 - 69a	
2 - 22a	14 - 37b	1 - 52	
1 - 23b	14 - 37c	1 - 48a	
2 - 24	1 - 600	1 - 125	
2 - 26	1 - 601	4 - 331	
1 - 27a	2 - 602	11 - 37b	
1 - 27c	2 - 607	11 - 37c	
	4 - 609		

