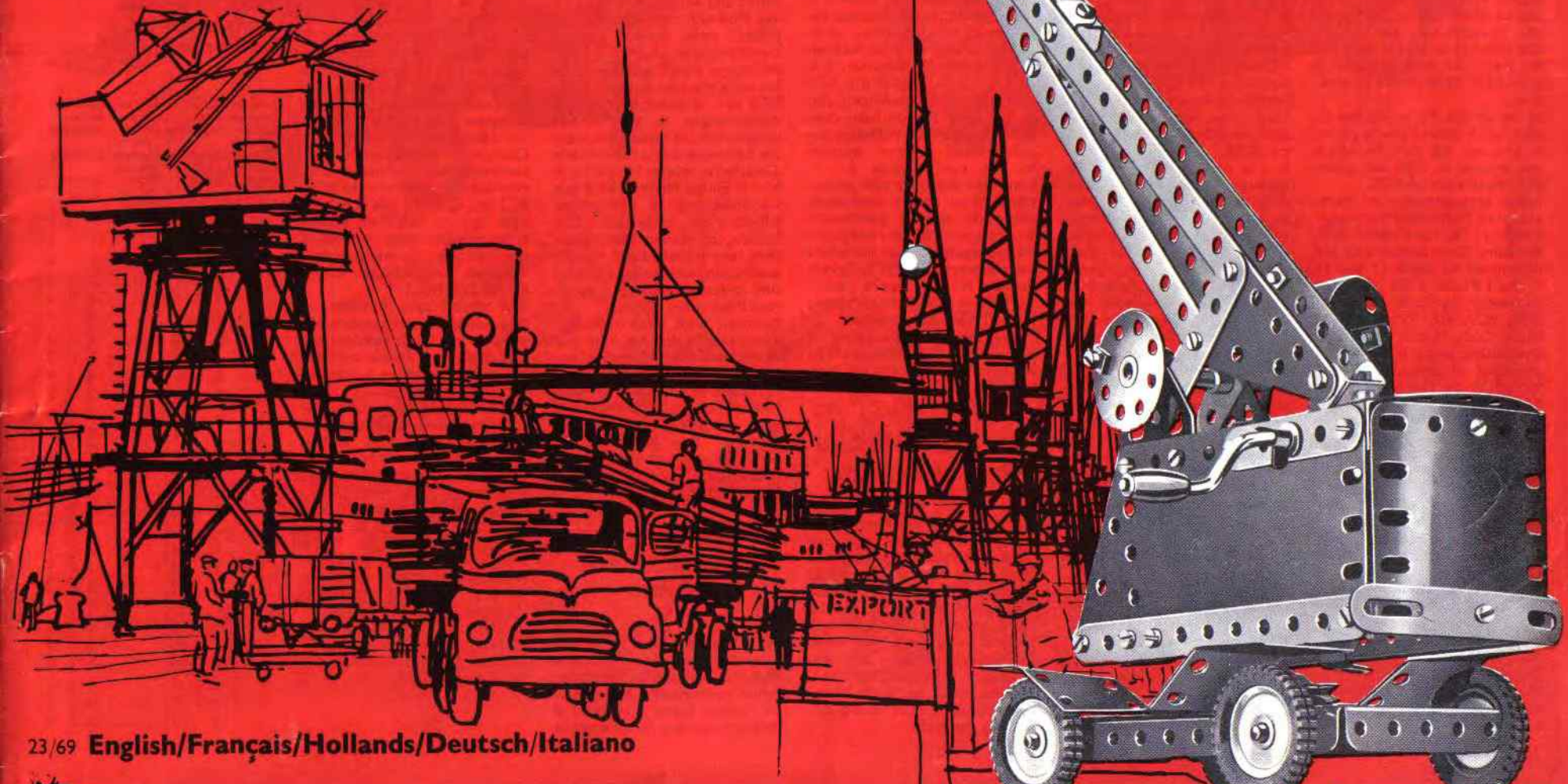


# MECCANO®

# 2/3

© Meccano Limited Binns Road Liverpool L3 England



23/69 English/Français/Hollands/Deutsch/Italiano



## How to Use This Book

On the back cover of this Book you will find pictures of the Parts in Outfits 2 and 3 together with their names and Part Numbers. Parts used in the assembly of the models shown in this Book generally can be identified by looking at the illustrations, but where the identity of a Part may not be clear, its Part Number is printed in RED on the illustrations.

A list of the Parts needed to build each model also is given. In this list the Part Numbers are printed in RED and quantity required in BLACK.

Some arrangements of Parts are used frequently in model-building. They are called *Basic Meccano Constructions* and are illustrated on pages 15 and 16 of the 1 Model Book. Each has an identifying Code Mark i.e., BC1, BC2, etc. When one of these Code Marks appears in the illustrations it indicates the principle of construction referred to by the same Code Mark in the 1 Book.

Some models are constructed in separate units. The points at which these units are bolted together to form the complete model are indicated by red dots. Where red indicating lines pass behind Plates or other parts of a model, they are shown dotted.

Motors also are identified in the illustrations by Code Marks: M1 = Meccano *Magic* Motor; M2 = Meccano No. 1 Clockwork Motor; M3 = Meccano E15R Electric Motor; M4 = Meccano *Emebo* Electric Motor.

Models for Outfit 2 are shown on pages 1-8; Models for Outfit 3 appear on pages 9-24.

## Comment utiliser ce livre

Sur la dernière page de la couverture de ce livre, vous trouverez illustrées les pièces des boîtes 2 et 3, avec leurs noms et leurs numéros. Sur les illustrations qui vous aideront à construire un modèle, vous les reconnaîtrez rapidement mais, en plus, les numéros des pièces sont imprimés en ROUGE. Chaque modèle est accompagné d'une liste des pièces nécessaires pour le construire; les numéros des pièces sont en ROUGE, les quantités en NOIR.

Il y a des montages qui reviennent souvent dans les modèles. Nous les appelons *Montages de base* et vous les trouverez sur les pages 15 et 16 du livre 1. Ils portent les deux lettres BC et un numéro. Quand vous verrez, par exemple, BC1, BC2, etc. dans un modèle, vous saurez que le montage de cette partie du modèle est semblable à celle du montage avec le même numéro dans le livre 1.

Certains modèles sont construits en éléments séparés. Les différents endroits où ces parties doivent être réunies à des boulonnées pour former le modèle complet sont indiqués par des pointilles rouges.

Quelques modèles sont animés par un moteur et sur les illustrations le type des moteurs est indiqué de la façon suivante.

M1 = Moteur *Magic*; M2 = Moteur mécanique No. 1; M3 = Moteur électrique; M4 = Moteur électrique *Emebo*. Les modèles pour la Boîte 2 aux pages 1-8; Les modèles pour la Boîte 3 aux pages 9-24.

## Het Gebruik Van Dit Boek

Afbeeldingen van onderdelen uit uitrustingen 2 en 3 staan op de achterkant van dit boek afgebeeld. In de illustraties heeft ieder onderdeelje een rood code nummer. De benodigde hoeveelheden worden in zwart aangegeven. Meccano basis constructies worden geregeld gebruikt en deze hebben hun eigen code nummer. B.v. BC1, BC2, enz. Zie je b.v. BC1 in een van de afbeeldingen, dan is dit gelijk aan de basis constructies waarvan volledige beschrijvingen gegeven worden in het model boek nr. 1. Sommige modellen zijn geconstrueerd in aparte eenheden. Waar ze aaneen geschroefd worden, wordt door rode puntjes aangegeven. Code nummers voor motoren zijn: M1 = Tovermotor; M2 = Uurwerk motor nr. 1; M3 = E15R Electromotor; M4 = *Emebo* electromotor. Modellen voor uitrusting 2 bevinden zich op bladzijden 1-8; Modellen voor uitrusting 3 op bladzijden 9-24.

## Wie dieses Heft zu gebrauchen ist

Auf der Rückseite dieses Heftes finden Sie Abbildungen der Teile von Baukästen Nr. 2 und 3 mit ihren Bezeichnungen und Nummern. Die Teile, die zum Zusammenbau der in diesem Heft gezeigten Modelle gebraucht werden, kann man gewöhnlich leicht in den Abbildungen erkennen. In Fällen, wo dies unklar ist, ist die Nummer des Teils ROT in die Abbildung gedruckt.

Wir bringen neben jedem Modell eine Aufstellung der dazu nötigen Teile. Die Katalognummern der Teile sind ROT, die Anzahl eines jeden Teils SCHWARZ gedruckt.

Einige einfache Zusammensetzungen von Teilen kommen in jeder Art von Modellen immer wieder vor. Sie werden *Meccano-Grundkonstruktionen* genannt und auf Seiten 15 und 16 des Modellbuches Nr. 1 abgebildet. Jede dieser Zusammenstellungen hat zur Bezeichnung eine besondere Abkürzung wie zum Beispiel BC1, BC2 usw. Kommt eine dieser Abkürzungen in den Abbildungen vor, so wissen Sie, dass die Bauweise dieses Modellteils dieselbe ist, wie im Modellbuch Nr. 1. Einige Modelle sind zur Vereinfachung in getrennten Abschnitten aufgebaut. Die Stellen, an denen diese Bauteile zum vollständigen Modell zusammengeschraubt werden, sind in den Abbildungen durch rote Punkte bezeichnet. Motoren sind auch mit Abkürzungen in den Abbildungen bezeichnet: M1 = Meccano *Zauber*motor; M2 = Meccano Federomotor Nr. 1; M3 = Meccano Elektromotor; M4 = Meccano Elektromotor *Emebo*. Modelle zu Baukästen 2 befinden sich auf Seiten 1-8; Modelle zu Baukästen 3 auf Seiten 9-24.

## Come Adoperare Questo Libro

Sull'ultima pagina di copertina di questo libro sono illustrati e descritti i pezzi Meccano contenuti nelle scatole Nri. 2 e 3. Di ciascun pezzo è indicato il relativo numero do catalogo in

ROSSO. I pezzi usati nella costruzione dei modelli illustrati in questo libro si possono generalmente identificare a prima vista, ma per maggiore chiarezza nelle figure, sono stampati in ROSSO i numeri di catalogo dei pezzi.

Per ciascun modello è data una lista dei pezzi occorrenti alla sua costruzione: il numero di catalogo è in ROSSO e la quantità occorrente è in NERO.

Alcune combinazioni tipiche di pezzi Meccano, frequentemente impiegate nelle costruzioni dei modelli, sono chiamate *Costruzioni di Base Meccano* e sono illustrate alle pagine 15 e 16 del Libro dei Modelli No. 1. Ciascuna "combinazione" è contrassegnata da una sigla di riferimento, per esempio BC1, BC2 ecc. Quando una di queste sigle appare nell'illustrazione di un modello occorre riferirsi alla relativa "combinazione" illustrata nel suddetto Libro dei Modelli No. 1.

Vari modelli sono illustrati nei diagrammi a sezioni separate. I punti in cui queste sezioni separate devono essere avvitate insieme per formare il modello completo sono segnati con linee rosse continue. (Quando si devono attraversare piastre o altri pezzi di un modello invece della linea rossa continua è indicata una linea rossa tratteggiata.)

Anche i motorini nelle figure sono contrassegnati da sigle: M1 = Motorino a Molla Meccano *Magic*; M2 = Motorino a Molla Meccano No. 1; M3 = Motorino Elettrico Meccano E15R; M4 = Motorino Elettrico Meccano *Emebo*.

Modelli della Scatola No. 2 pagine 1-8; Modelli della Scatola No. 3 pagine 9-24.

## Contents of Outfits 2 and 3

### Contenu des boîtes 2 et 3

### Inhoud van de uitrustingen 2 en 3

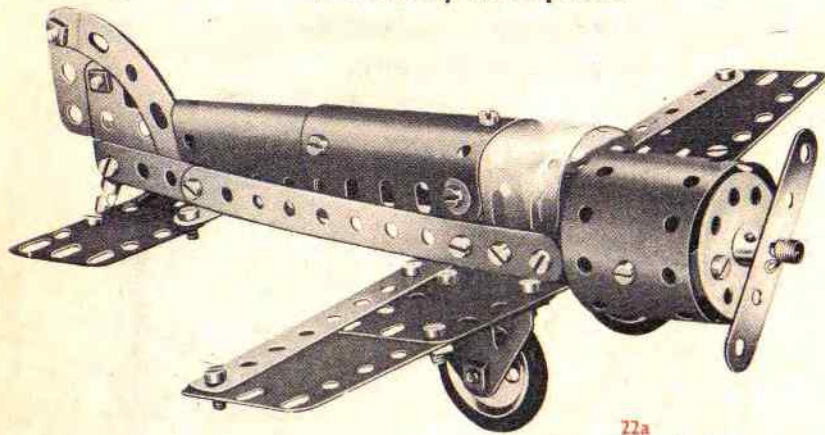
### Inhalt der Baukästen 2 und 3

### Elenco dei pezzi contenuti nelle Scatole 2 e 3

Part no. Pièce no. Onder- deel no. Numero des Teils Pezzo no.	Outfit Boîte Uitrusting Baukästen Scatola	Part no. Pièce no. Onder- deel no. Numero des Teils Pezzo no.	Outfit Boîte Uitrusting Baukästen Scatola		
	2	3	2	3	
1	-	2	52	1	1
2	4	6	57c	1	1
5	6	9	90a	2	4
10	4	5	111c	4	6
11	1	2	125	1	2
12	8	10	126	2	2
15b	-	2	126a	2	2
16	2	3	142c	4	4
17	2	2	155	2	2
18a	-	1	176	1	1
18b	1	1	186	1	1
19s	1	-	188	2	2
20a	1	1	189	2	2
22	4	4	190	2	2
22a	2	2	191	1	2
23	-	1	192	-	2
24	1	2	193	2	2
34	2	2	194	2	2
35	6	8	194a	2	2
36	1	1	199	1	1
37a	56	60	200	-	1
37b	50	56	212	1	1
38	10	10	213	1	1
38d	-	2	214	-	2
40	1	1	215	-	4
48a	2	2	221	-	4

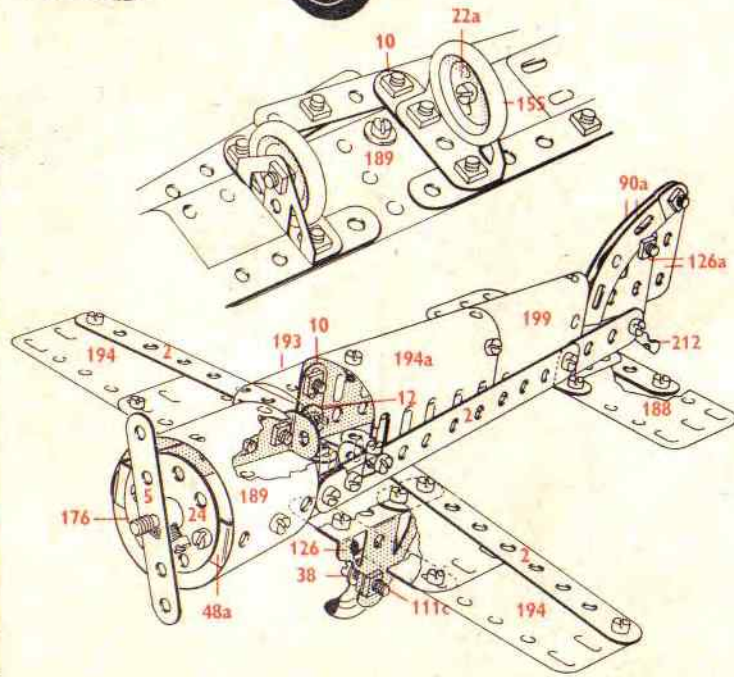


## 2.1 Monoplane/Avion/Eéndecker Eindecker/Monoplano

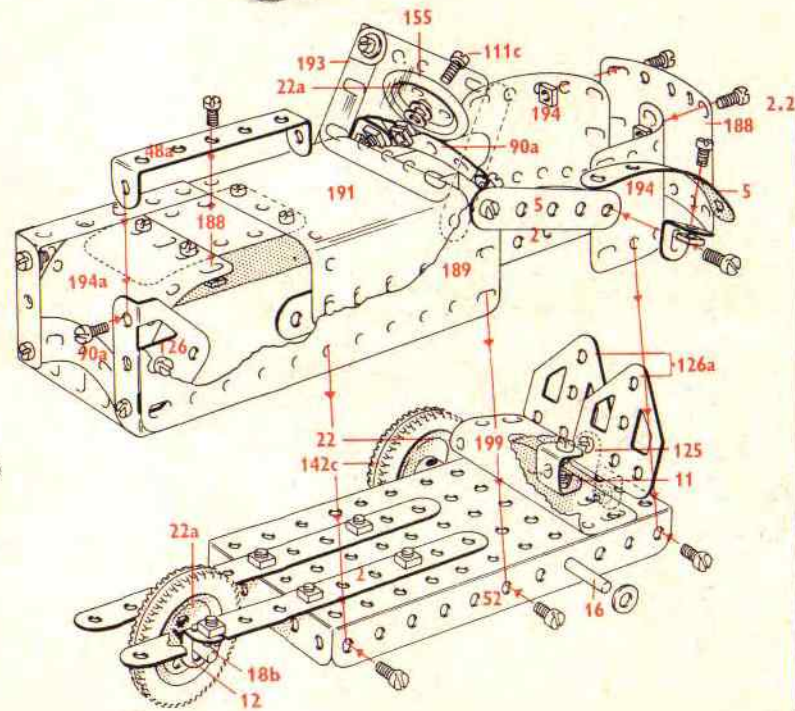


2.1

4	-	2
6	-	5
4	-	10
4	-	12
1	-	18b
2	-	22a
1	-	24
41	-	37a
37	-	37b
6	-	38
2	-	48a
2	-	111c
2	-	126
2	-	126a
2	-	155
1	-	176
2	-	188
2	-	189
1	-	193
2	-	194
1	-	194a
1	-	199
1	-	212



## 2.2 3-Wheel Sports Car/Cyclecar Driewielige auto/Dreirädriger Wagen Automobile a 3 Ruote

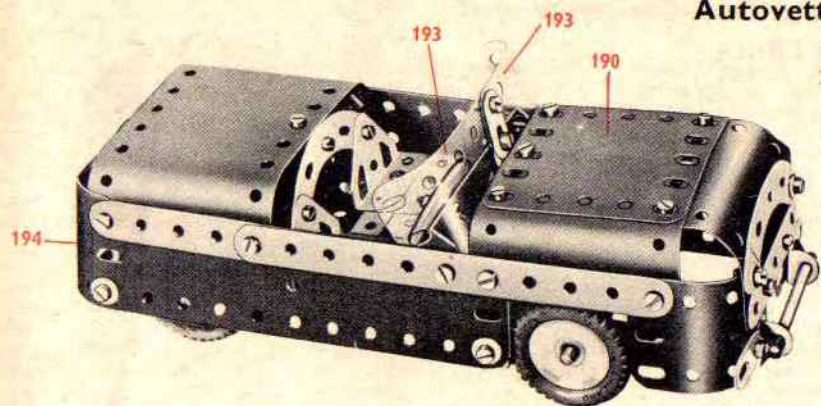


2.2

4	-	2
6	-	5
1	-	11
8	-	12
1	-	16
1	-	18b
2	-	22
2	-	22a
2	-	35
50	-	37a
48	-	37b
10	-	38
2	-	48a
1	-	52
2	-	90a
1	-	111c
1	-	125
2	-	126
2	-	126a
3	-	142c
1	-	155
2	-	188
2	-	189
1	-	191
1	-	193
2	-	194
1	-	194a
1	-	199

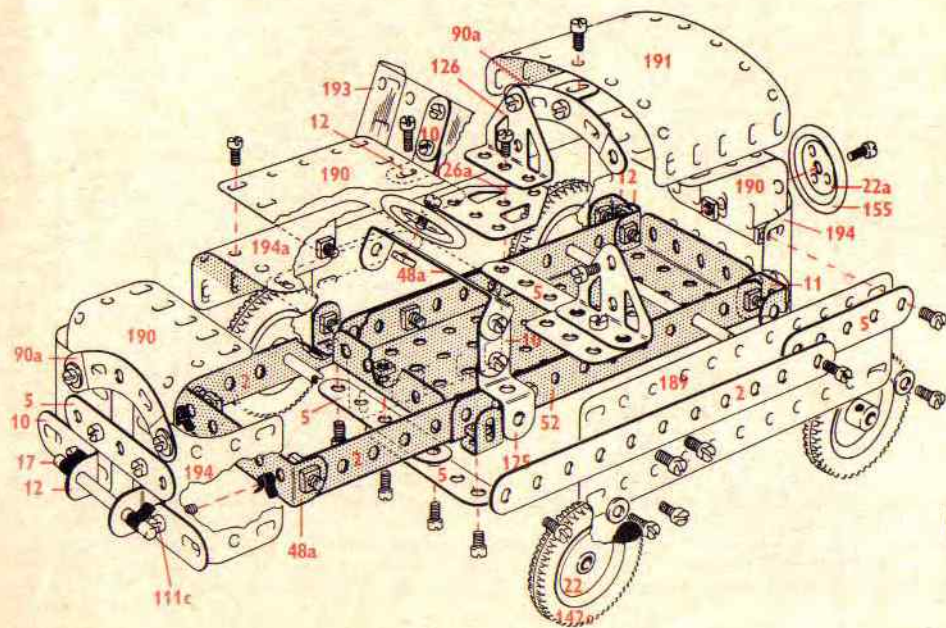


### 2.3 Sports Car/Voiture grand sport/Sportauto/Sportwagen Autovettura Sport

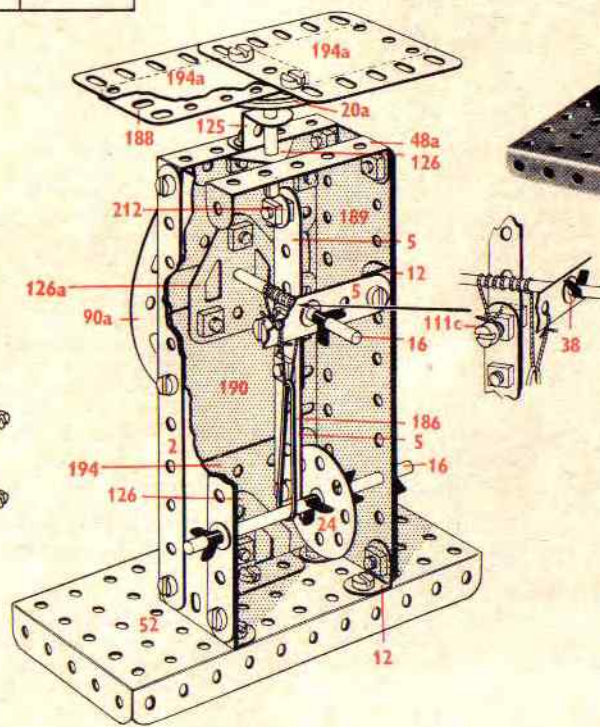
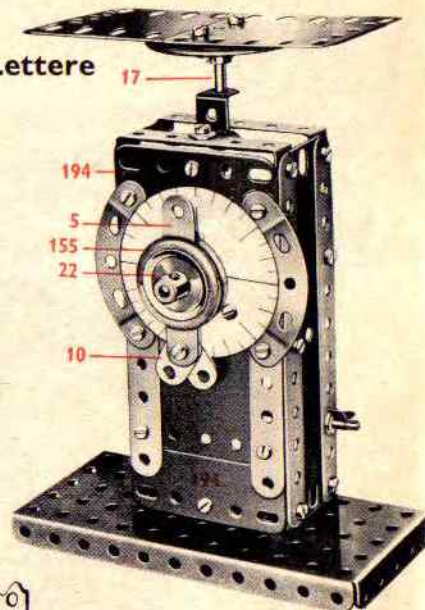


2.3

4	-	2	2	-	90a
6	-	5	4	-	111c
4	-	10	1	-	125
1	-	11	2	-	126
8	-	12	2	-	126a
2	-	16	4	-	142c
1	-	17	2	-	155
4	-	22	2	-	188
2	-	22a	2	-	189
4	-	35	2	-	190
52	-	37a	1	-	191
47	-	37b	2	-	193
10	-	38	2	-	194
2	-	48a	2	-	194a
1	-	52	1	-	199



### 2.4 Letter Balance/Pèse-lettres Briefenweger Briefwaage Bilancia per Lettere

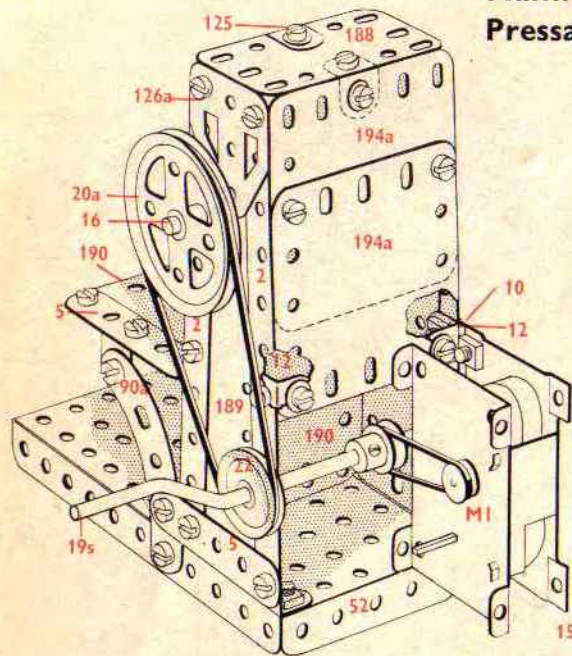


2.4

4	-	2	1	-	52
6	-	5	2	-	90a
2	-	10	1	-	111c
6	-	12	1	-	125
2	-	16	2	-	126
1	-	17	1	-	126a
1	-	20a	2	-	155
2	-	22	1	-	186
1	-	24	2	-	188
5	-	35	2	-	189
39	-	37a	1	-	190
35	-	37b	2	-	194
5	-	38	2	-	194a
1	-	40	1	-	212
2	-	48a			

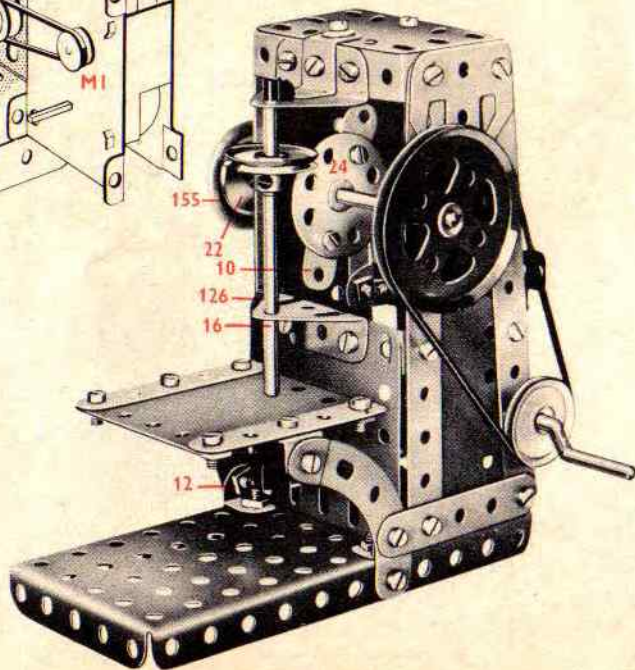


**2.5 Stamping Mill/Estampeuse/Hamer molen  
Hammerwerk  
Pressa Meccanica**

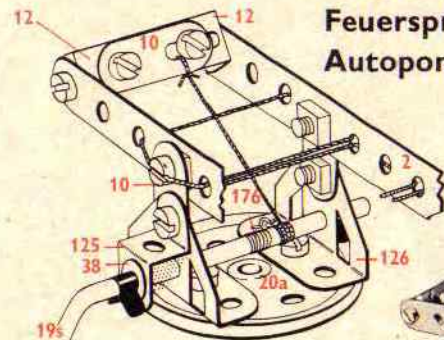


2.5

4	-	2	4	-	38
6	-	5	2	-	48a
4	-	10	1	-	52
1	-	11	2	-	90a
8	-	12	1	-	125
2	-	16	2	-	126
1	-	19s	2	-	126a
1	-	20a	1	-	155
4	-	22	1	-	188
1	-	24	2	-	189
1	-	35	2	-	190
42	-	37a	2	-	194a
42	-	37b			

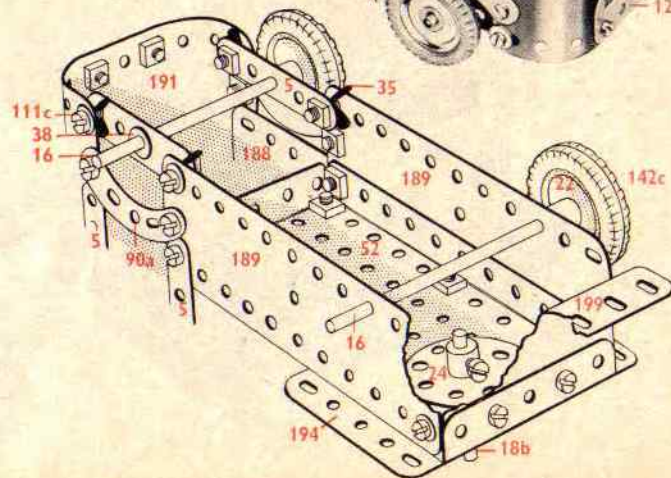
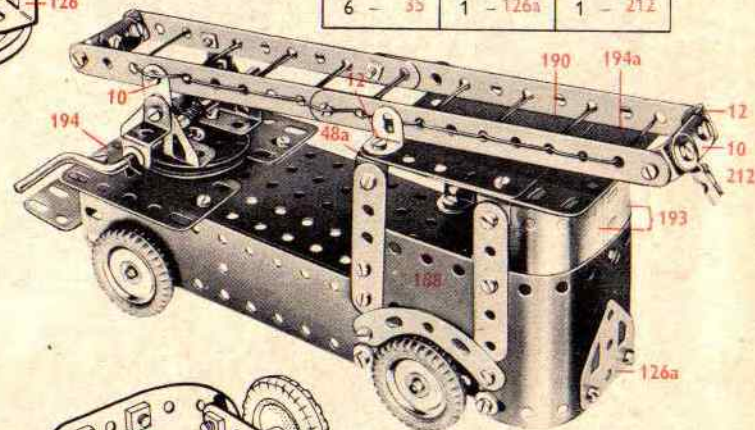


**2.6 Fire Escape/Voiture-échelle de pompiers  
Brandweergagen  
Feuerspritze  
Autopompa da  
Incendio**



2.6

4	-	2	55	-	37a	4	-	142c
6	-	5	47	-	37b	1	-	176
4	-	10	9	-	38	2	-	188
8	-	12	1	-	40	2	-	189
2	-	16	2	-	48a	1	-	190
1	-	18b	1	-	52	1	-	191
1	-	19s	2	-	90a	2	-	193
1	-	20a	4	-	111c	2	-	194
4	-	22	1	-	125	1	-	194a
1	-	24	2	-	126	1	-	199
6	-	35	1	-	126a	1	-	212



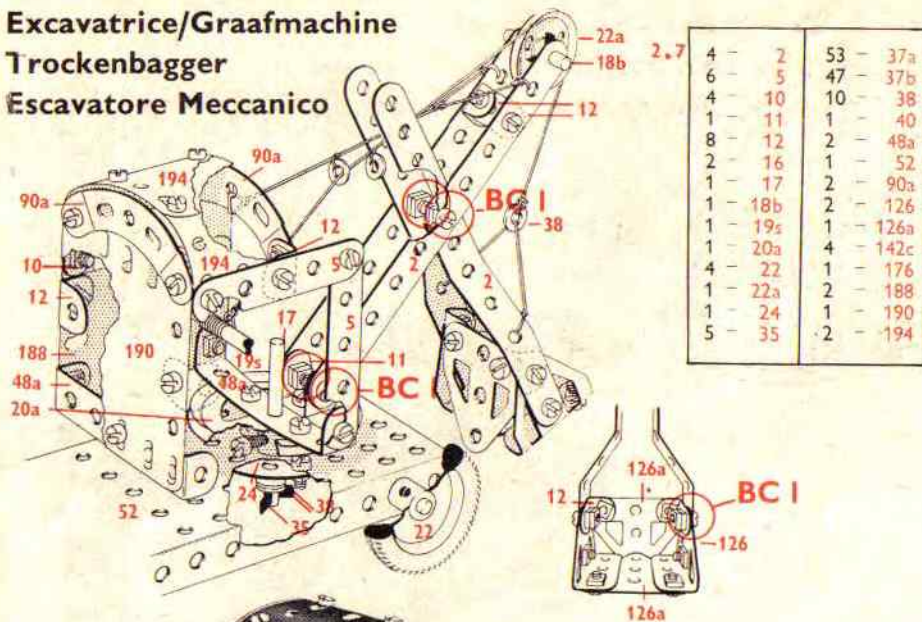


## 2.7 Mechanical Excavator

Excavatrice/Graafmachine

Trockenbagger

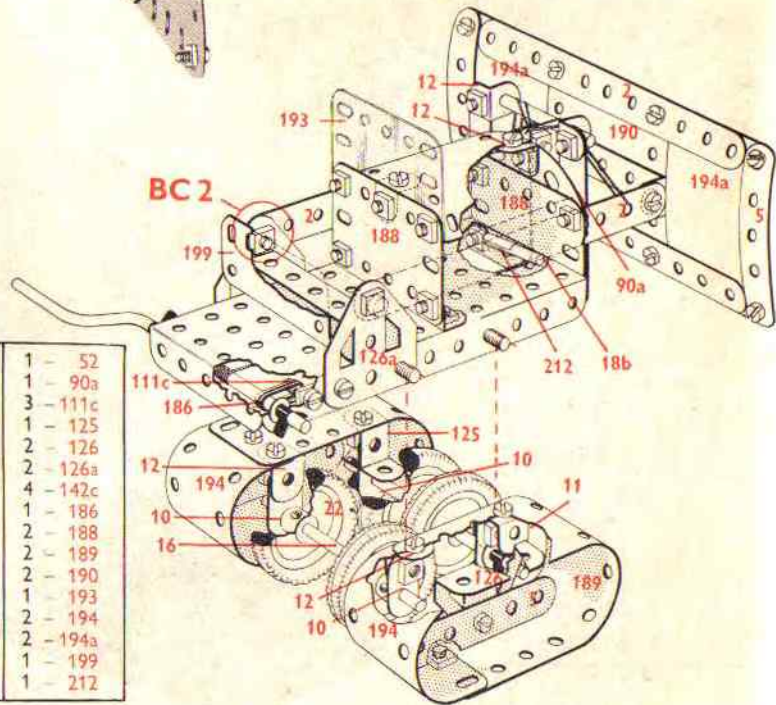
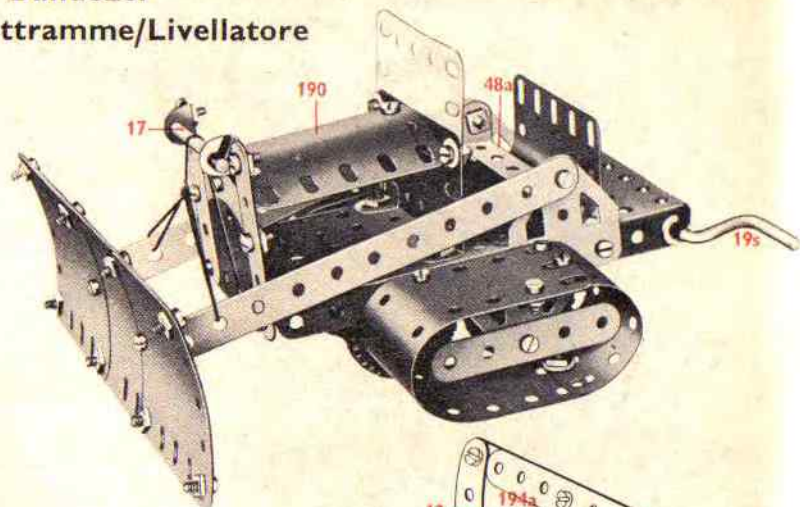
Escavatore Meccanico



4	-	2	53	-	37a
6	-	5	47	-	37b
4	-	10	10	-	38
1	-	11	1	-	40
8	-	12	2	-	48a
2	-	16	1	-	52
1	-	17	2	-	90a
1	-	18b	2	-	126
1	-	19s	1	-	126a
1	-	20a	4	-	142c
4	-	22	1	-	176
1	-	22a	2	-	188
1	-	24	1	-	190
5	-	35	2	-	194

## 2.8 Bulldozer

Schuttramme/Livellatore

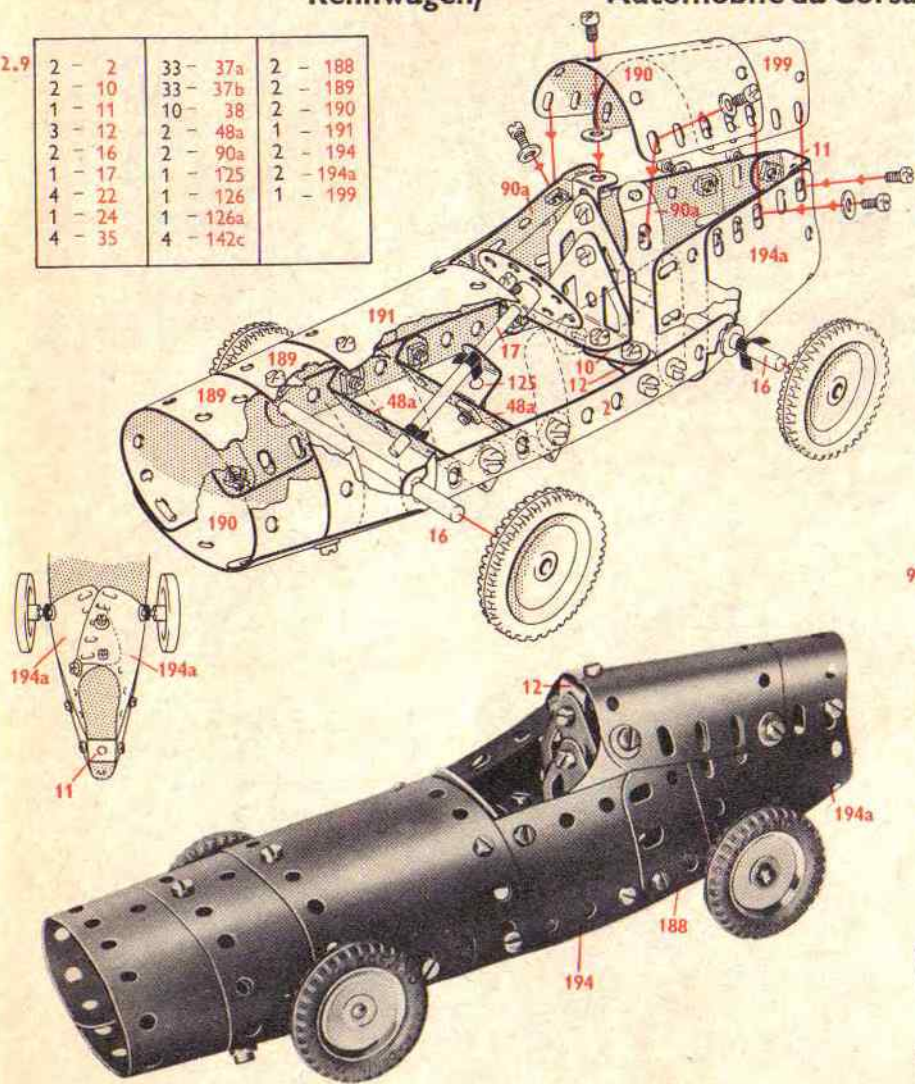


4	-	2	1	-	52
6	-	5	1	-	90a
4	-	10	3	-	111c
1	-	11	1	-	125
8	-	12	2	-	126
2	-	16	2	-	126a
1	-	17	4	-	142c
1	-	18b	1	-	186
1	-	19s	2	-	188
4	-	22	2	-	189
6	-	35	2	-	190
50	-	37a	1	-	193
45	-	37b	2	-	194
10	-	38	2	-	194a
1	-	40	1	-	199
2	-	48a	1	-	212

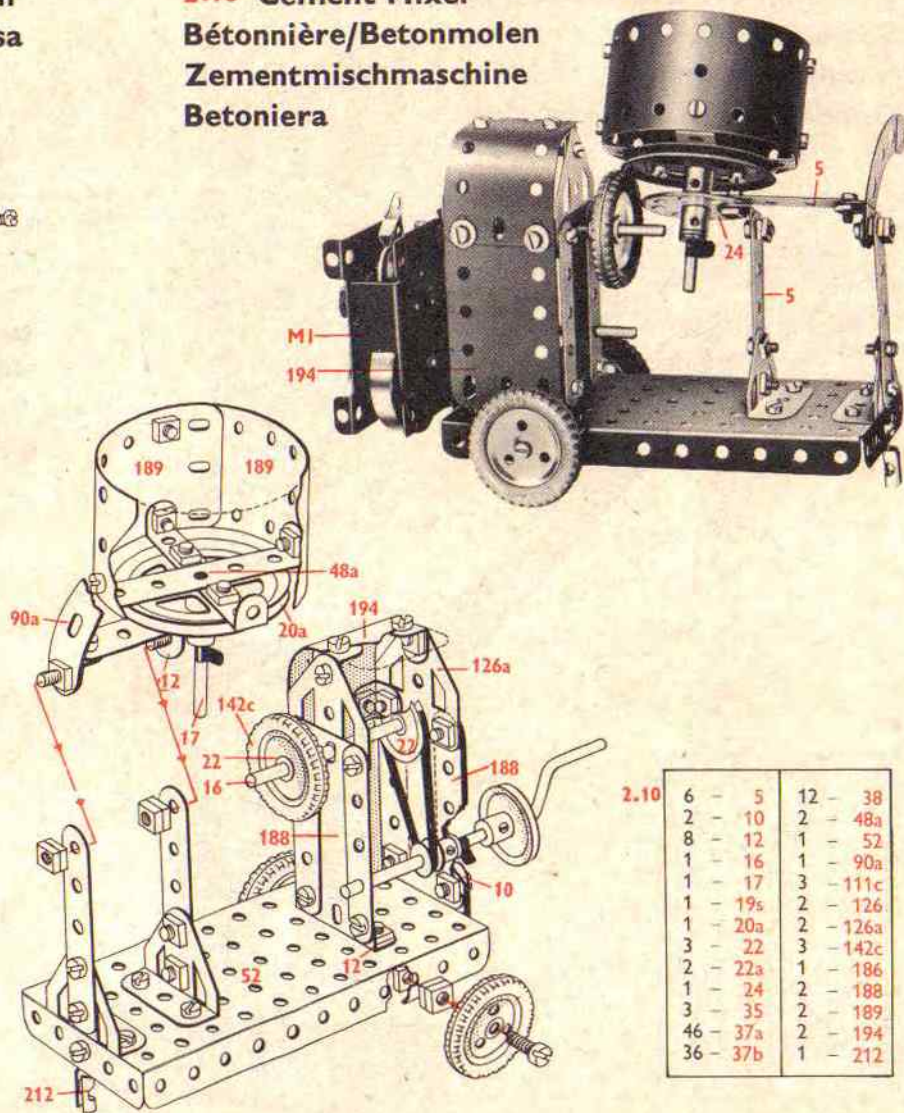


## 2.9 Racing Car/Voiture de course/Racewagen Rennwagen/ Automobile da Corsa

2.9	2 - 2	33 - 37a	2 - 188
	2 - 10	33 - 37b	2 - 189
	1 - 11	10 - 38	2 - 190
	3 - 12	2 - 48a	1 - 191
	2 - 16	2 - 90a	2 - 194
	1 - 17	1 - 125	2 - 194a
	4 - 22	1 - 126	1 - 199
	1 - 24	1 - 126a	
	4 - 35	4 - 142c	



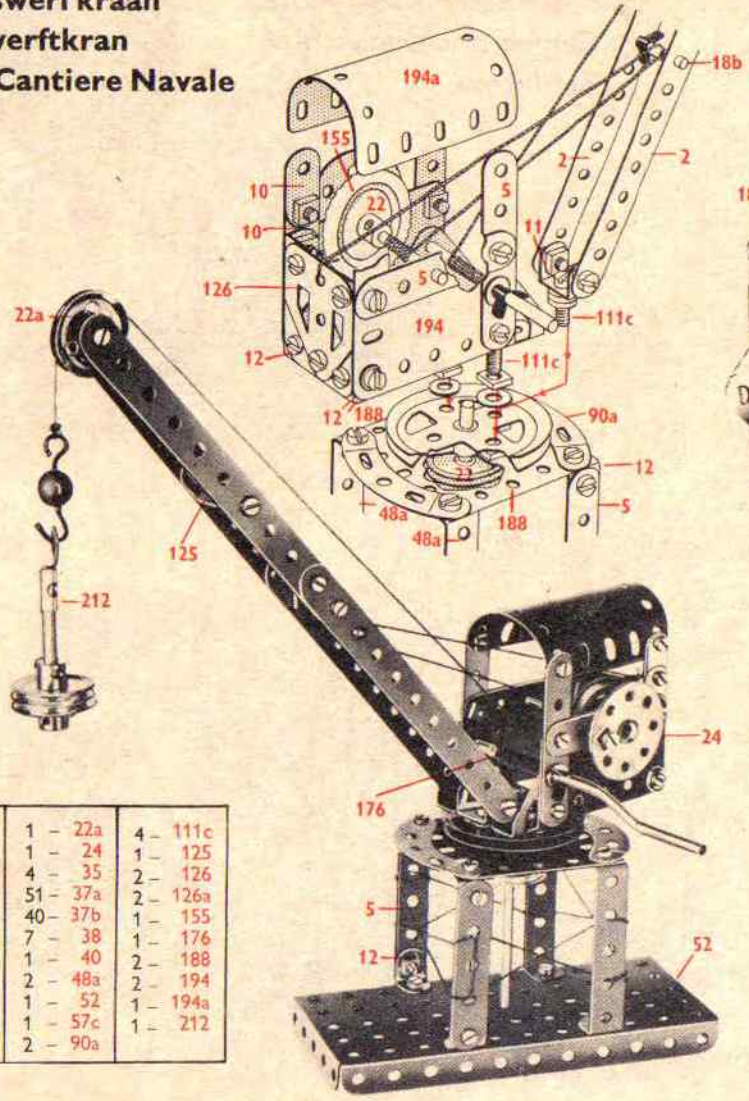
## 2.10 Cement Mixer Bétonnière/Betonmolen Zementmischmaschine Betoniera



2.10	6 - 5	12 - 38
	2 - 10	2 - 48a
	8 - 12	1 - 52
	1 - 16	1 - 90a
	1 - 17	3 - 111c
	1 - 19s	2 - 126
	1 - 20a	2 - 126a
	3 - 22	3 - 142c
	2 - 22a	1 - 186
	1 - 24	2 - 188
	3 - 35	2 - 189
	46 - 37a	2 - 194
	36 - 37b	1 - 212



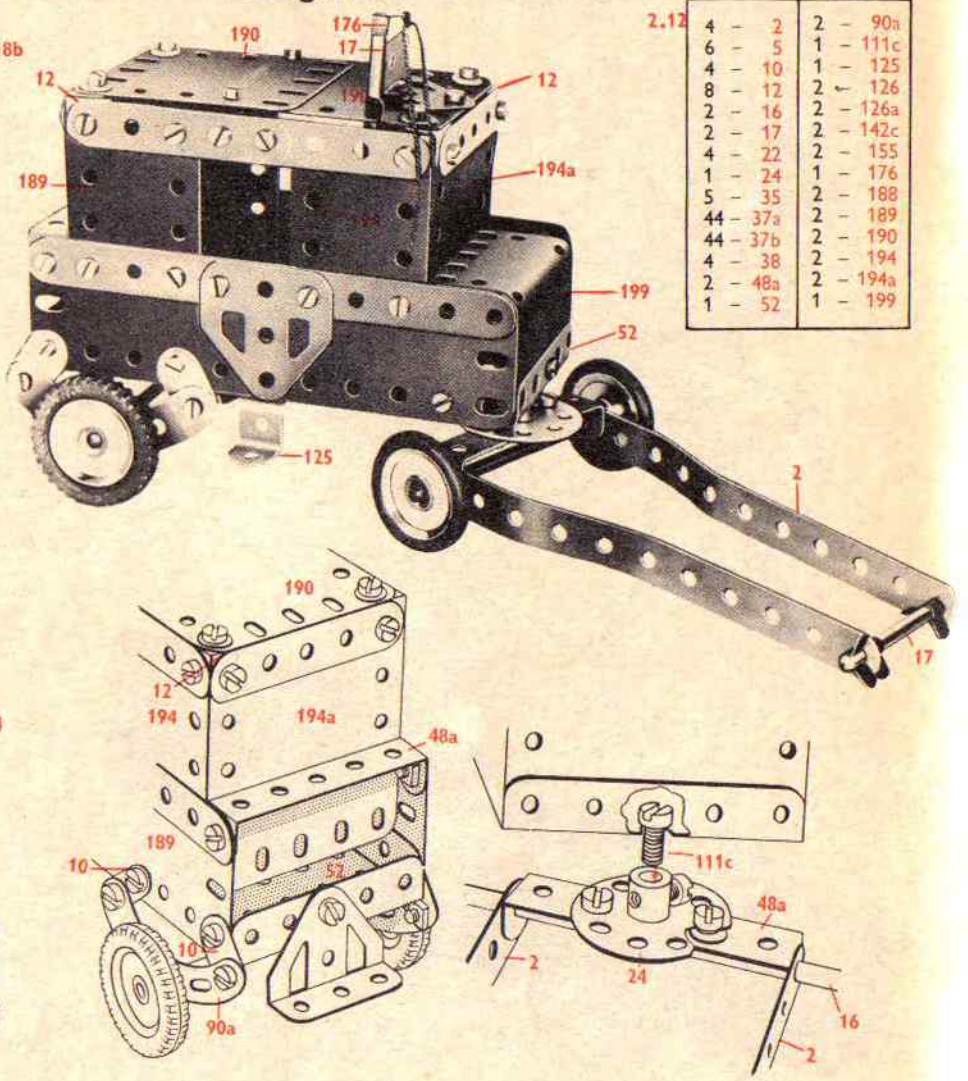
**2.11 Shipyard Crane/Grue de chantier naval  
Scheepswerf kraan  
Schiffswerftkran  
Gru da Cantiere Navale**



2.11

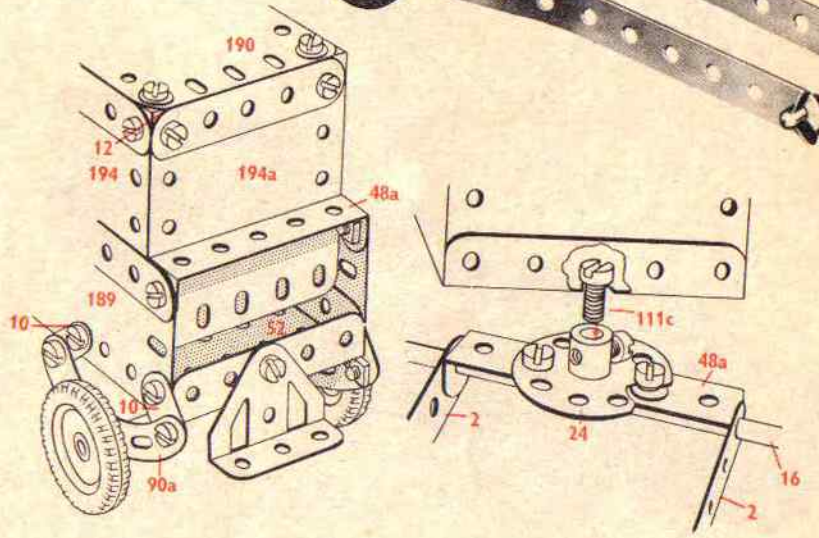
4 - 2	1 - 22a	4 - 111c
6 - 5	1 - 24	1 - 125
4 - 10	4 - 35	2 - 126
1 - 11	51 - 37a	2 - 126a
8 - 12	40 - 37b	1 - 155
1 - 16	7 - 38	1 - 176
2 - 17	1 - 40	2 - 188
1 - 18b	2 - 48a	2 - 194
1 - 19s	1 - 52	1 - 194a
1 - 20a	1 - 57c	1 - 212
4 - 22	2 - 90a	

**2.12 Stage Coach/Diligence/Postkoets/Postkutsche/  
Diligenza**



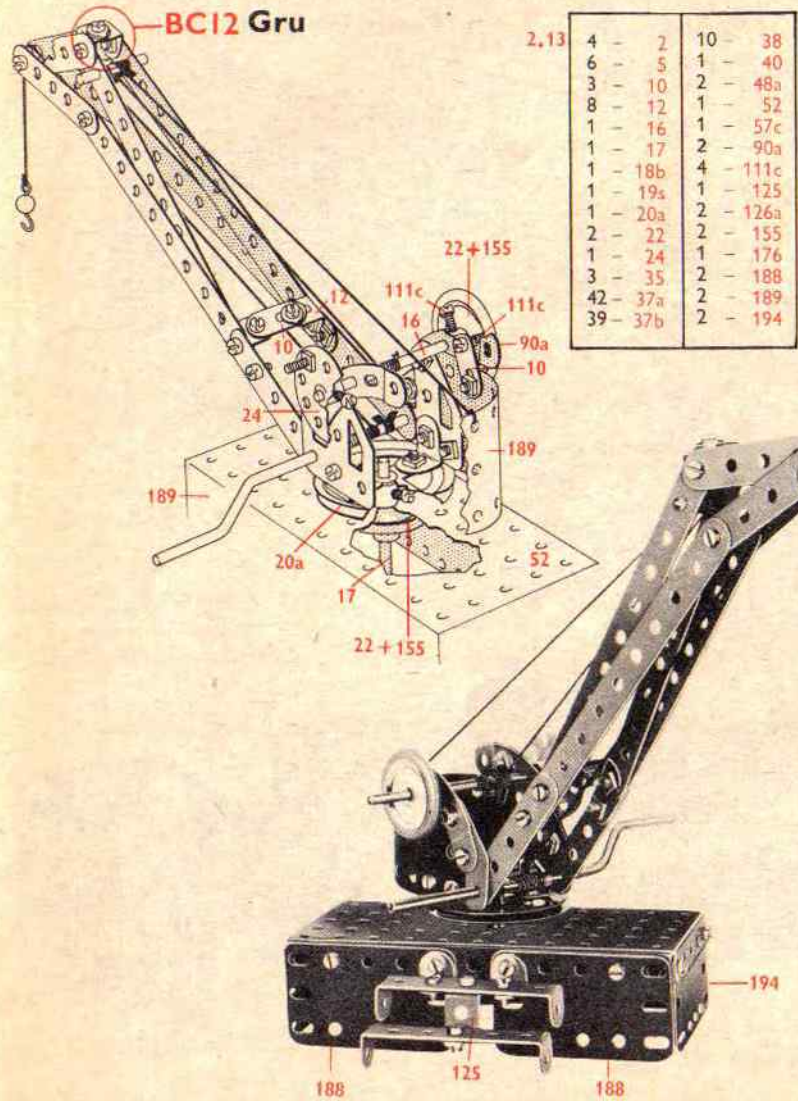
2.12

4 - 2	2 - 90a
6 - 5	1 - 111c
4 - 10	1 - 125
8 - 12	2 - 126
2 - 16	2 - 126a
2 - 17	2 - 142c
4 - 22	2 - 155
1 - 24	1 - 176
5 - 35	2 - 188
44 - 37a	2 - 189
44 - 37b	2 - 190
4 - 38	2 - 194
2 - 48a	2 - 194a
1 - 52	1 - 199

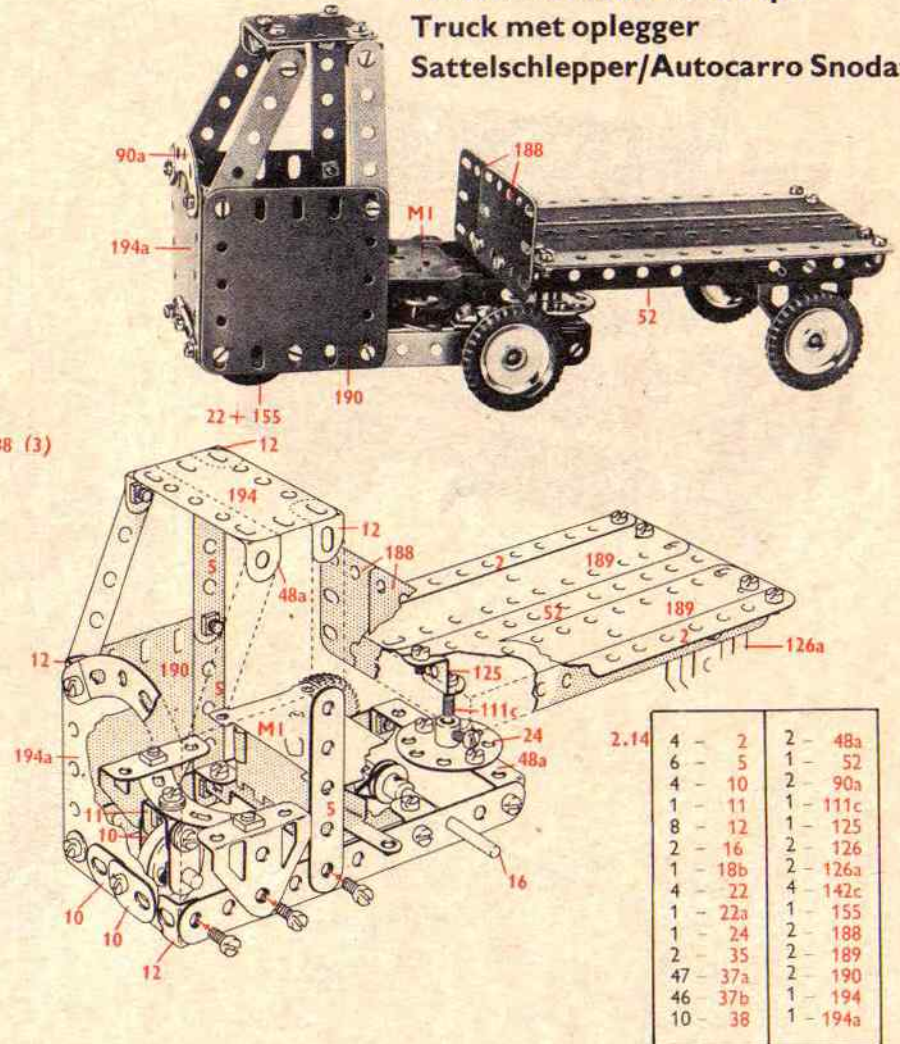




### 2.13 Goods Yard Crane/Grue de quai/Ladingkraan Güterbahnhofs Kran



### 2.14 Articulated Lorry Tracteur et semi-remorque Truck met oplegger Sattelschlepper/Autocarro Snodato

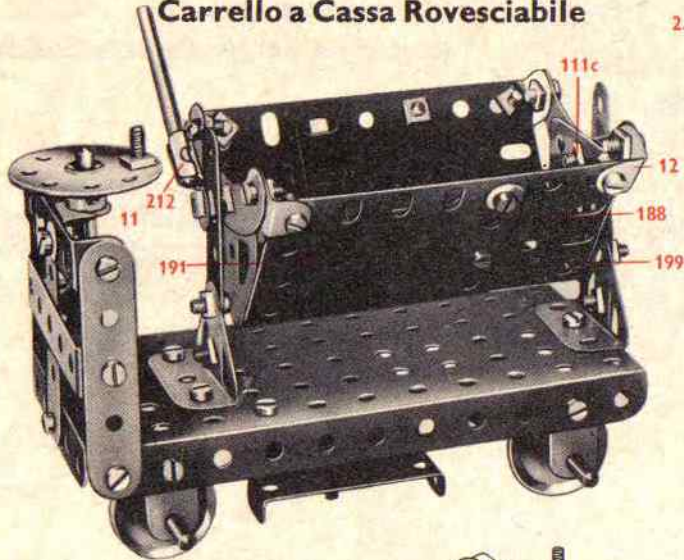




## 2.15 Side-tipping Truck/Chariot à benne basculant latéralement

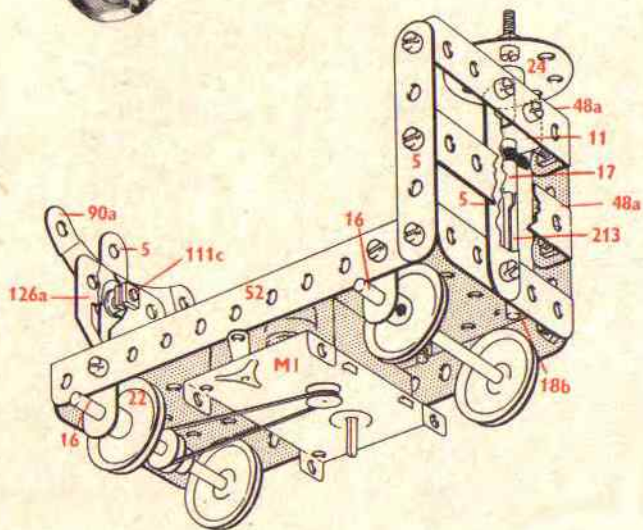
Kipwagen/Kippkarren

Carrello a Cassa Rovesciabile



2.15

5	-	5
4	-	10
1	-	11
1	-	12
2	-	16
2	-	17
1	-	18b
4	-	22
1	-	24
1	-	35
38	-	37a
32	-	37b
5	-	38
2	-	48a
1	-	52
2	-	90a
3	-	111c
2	-	126
2	-	126a
2	-	188
1	-	191
1	-	199
1	-	212
1	-	213

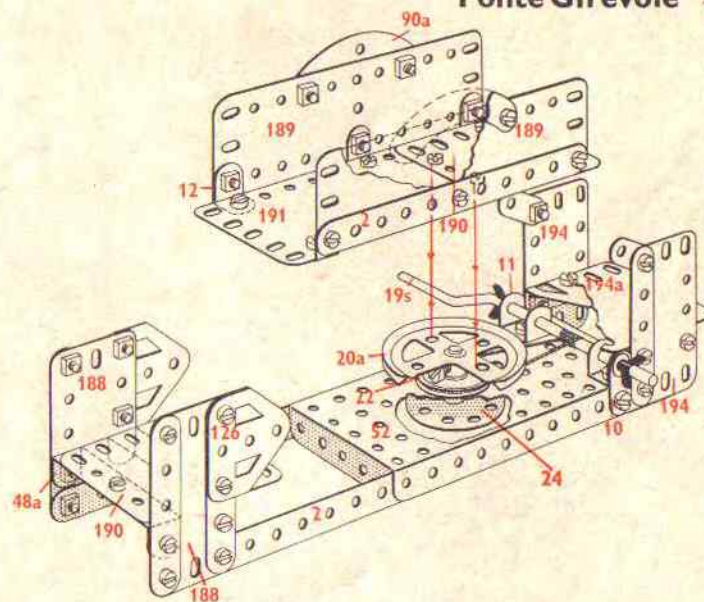


## 2.16 Swing Bridge/Pont tournant/Draaibrug

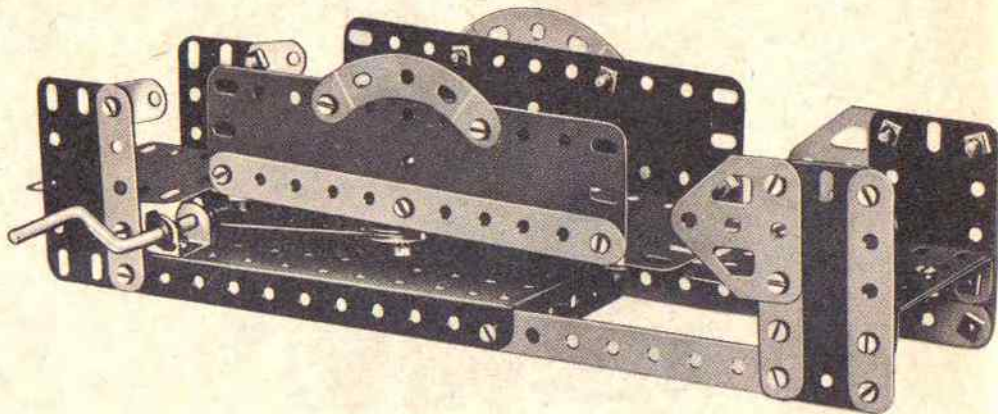
Drehbrücke

Ponte Girevole

2.16

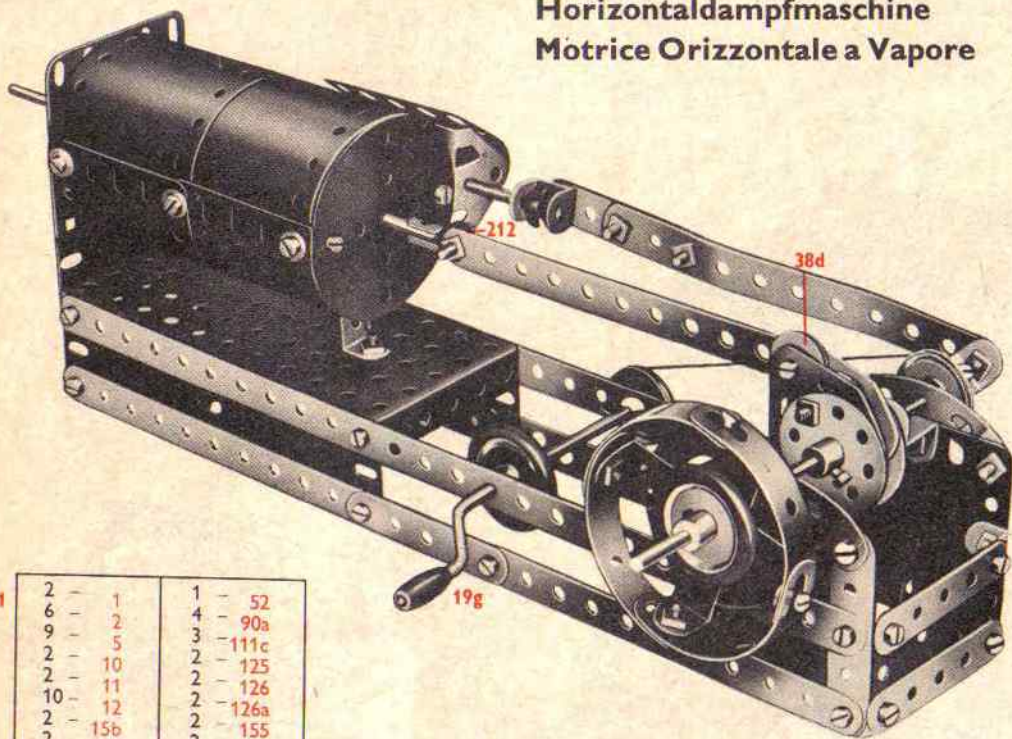


4	-	2
6	-	5
3	-	10
1	-	11
6	-	12
1	-	18b
1	-	19s
1	-	20a
1	-	22
1	-	24
2	-	35
50	-	37a
50	-	37b
2	-	38
1	-	40
2	-	48a
1	-	52
2	-	90a
1	-	125
2	-	126
2	-	126a
2	-	188
2	-	189
2	-	190
1	-	191
2	-	194
1	-	194a



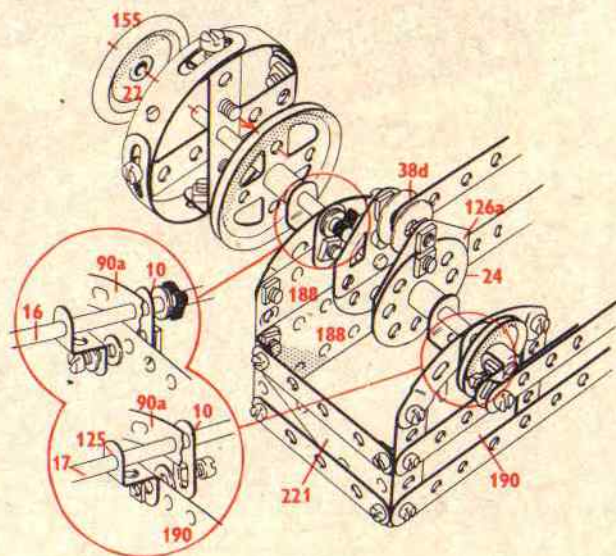
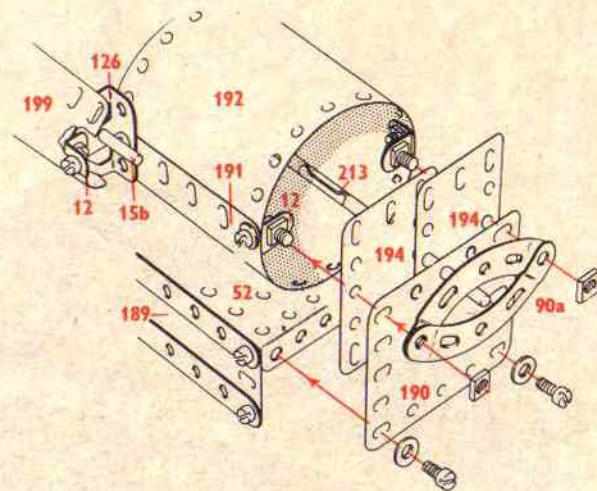


**3.1 Horizontal Steam Engine/Machine à vapeur horizontale**  
**Horizontale stoommachine**  
**Horizontaldampfmaschine**  
**Motrice Orizzontale a Vapore**



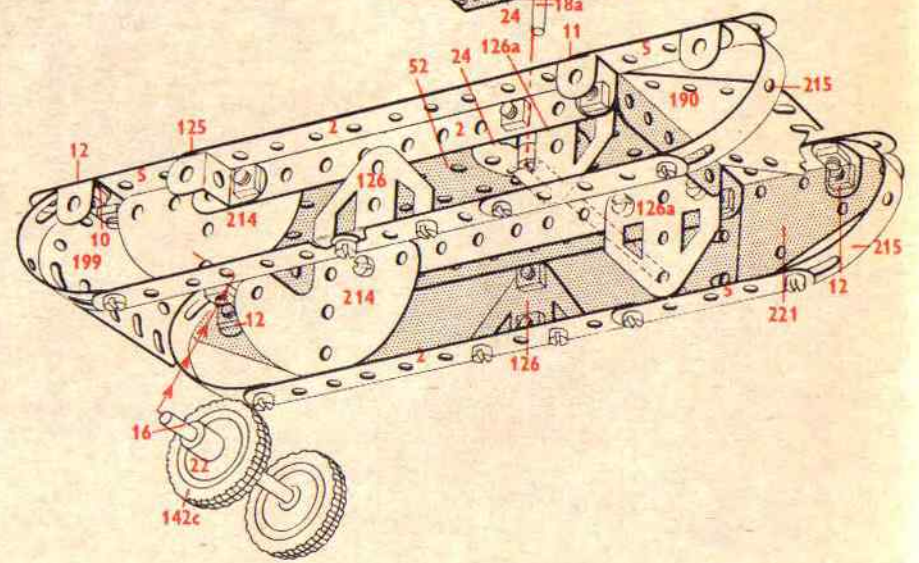
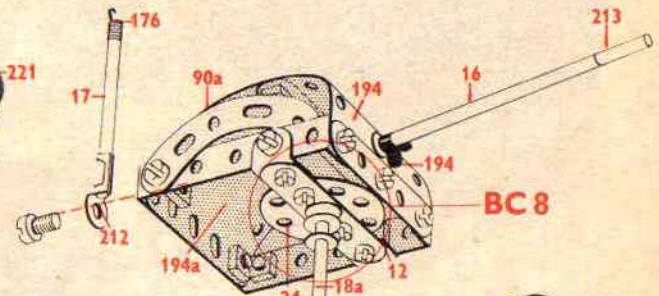
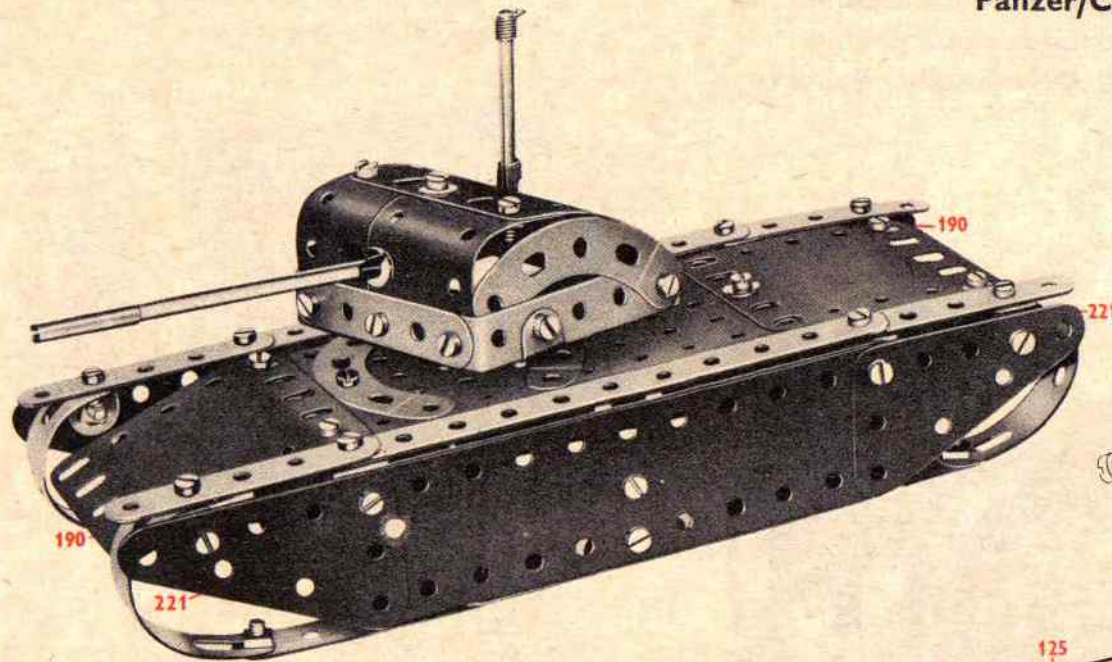
3.1

2 - 1	1 - 52
6 - 2	4 - 90a
9 - 5	3 - 111c
2 - 10	2 - 125
2 - 11	2 - 126
2 - 12	2 - 126a
2 - 15b	2 - 155
1 - 16	2 - 188
1 - 17	2 - 189
1 - 19s	2 - 190
4 - 20a	2 - 191
2 - 22	2 - 192
2 - 24	2 - 194
4 - 35	1 - 199
60 - 37a	1 - 212
53 - 37b	1 - 213
9 - 38	2 - 214
2 - 38d	4 - 215
1 - 40	2 - 221
2 - 48a	





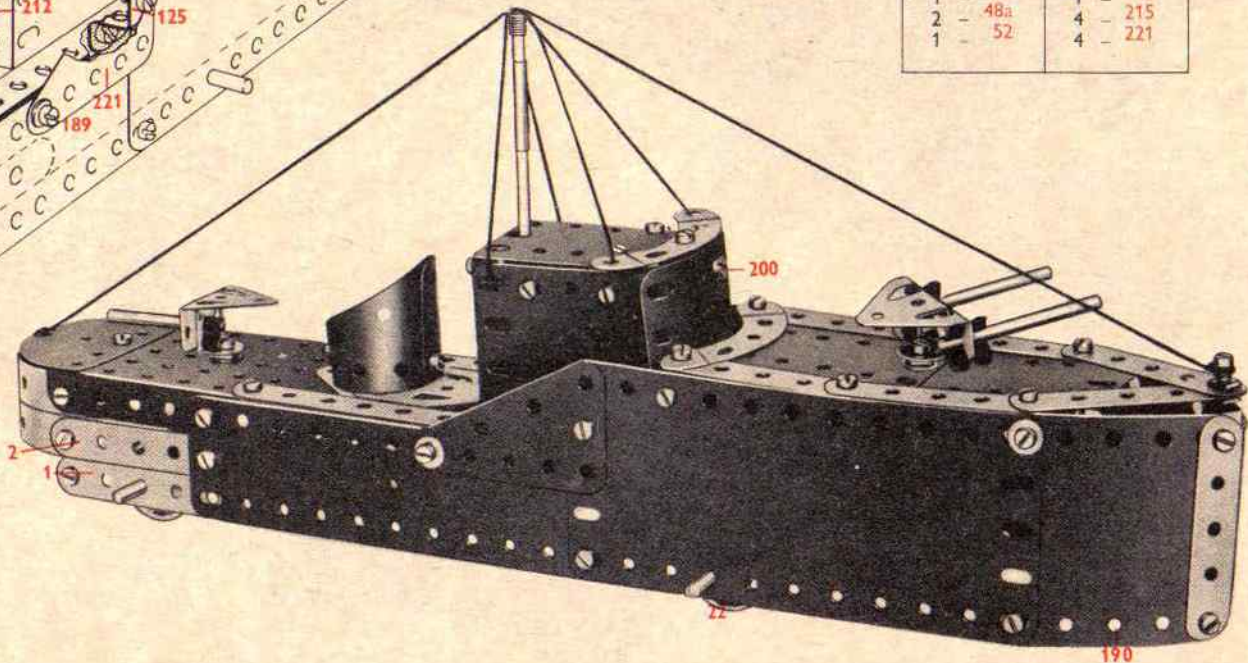
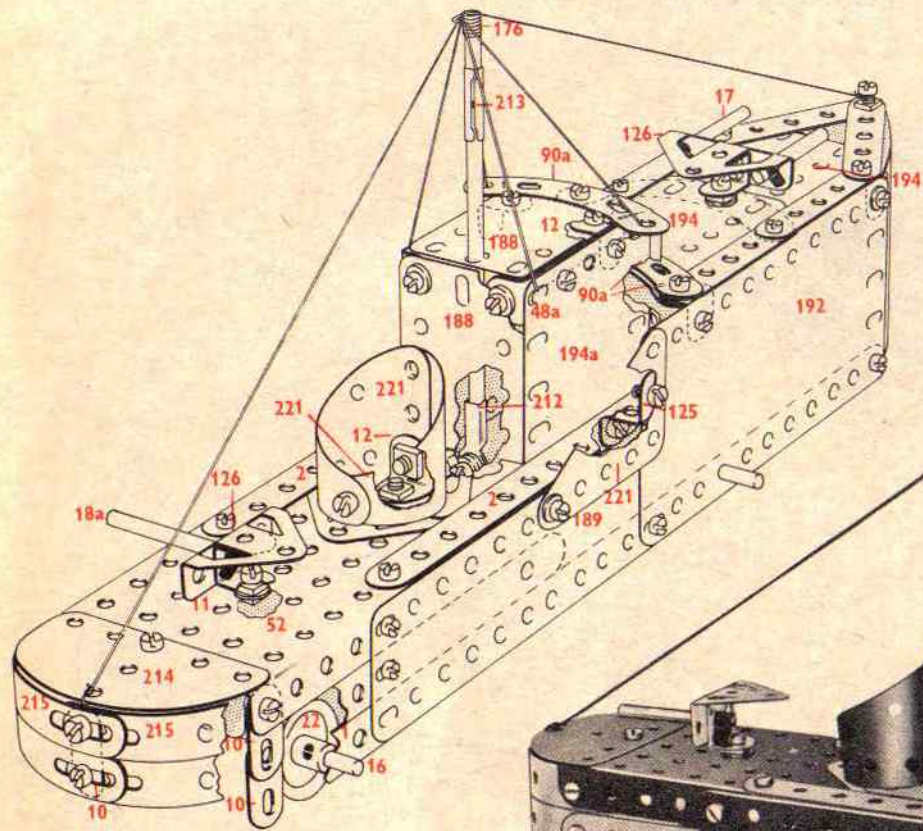
### 3.2 Tank/Char de combat Panzer/Carro Armato



6	-	2	59	-	37a	2	-	189
9	-	5	56	-	37b	2	-	190
3	-	10	8	-	38	2	-	194
2	-	11	2	-	48a	1	-	194a
8	-	12	1	-	52	1	-	199
3	-	16	4	-	90a	1	-	212
1	-	17	3	-	111c	1	-	213
1	-	18a	2	-	125	1	-	214
4	-	22	2	-	126	2	-	215
1	-	23	2	-	126a	4	-	215
2	-	24	4	-	142c	4	-	221
2	-	35	1	-	176			



3.3 Gun Boat/Canonnière  
 Kanonneerboot  
 Kanonenboot  
 Imbarcazione da Guerra

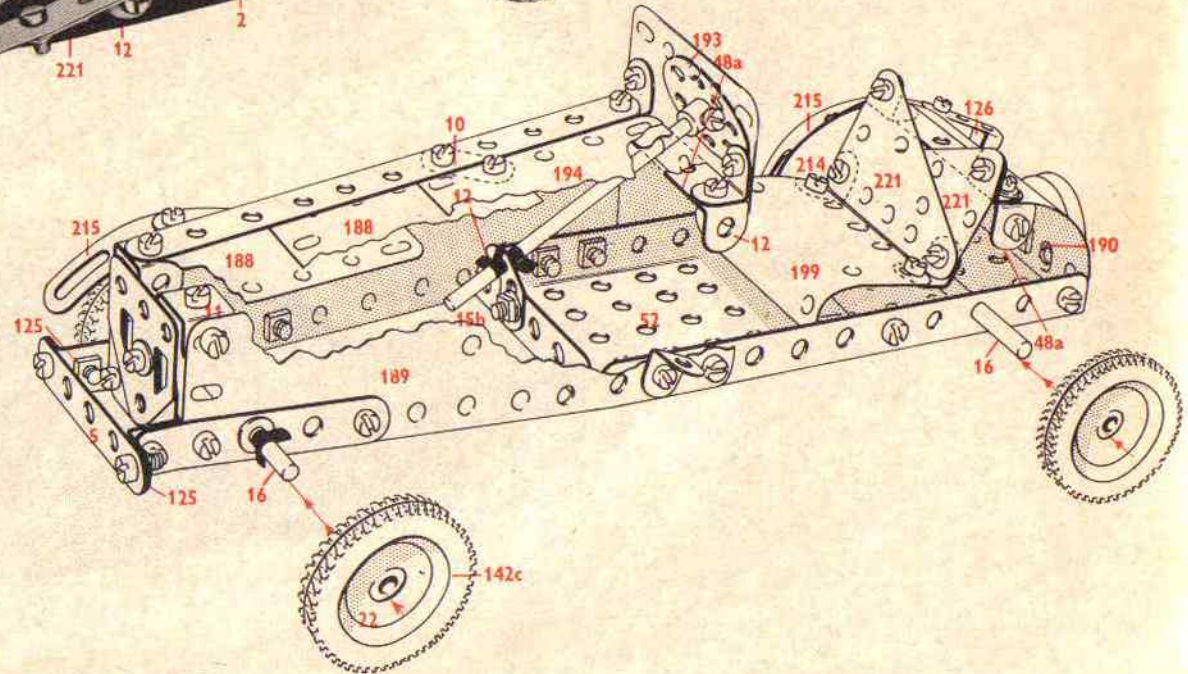
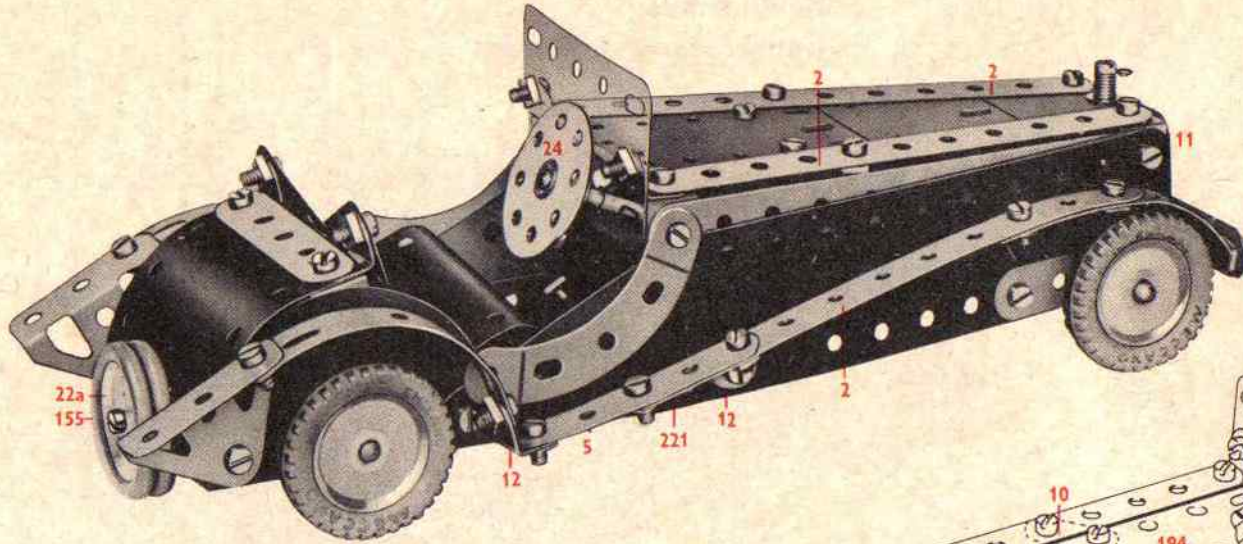


3.3

2	-	1	4	-	90a
4	-	2	3	-	111c
8	-	5	2	-	125
5	-	10	2	-	126
2	-	11	2	-	126a
10	-	12	1	-	176
3	-	16	2	-	188
2	-	17	2	-	189
1	-	18a	2	-	190
1	-	18b	2	-	192
4	-	22	2	-	194
6	-	35	2	-	194a
60	-	37a	1	-	200
54	-	37b	1	-	212
10	-	38	1	-	213
1	-	40	1	-	214
2	-	48a	4	-	215
1	-	52	4	-	221



### 3.4 Sports Car/Voiture sport/Sportauto Sportwagen/Autovettura Sport

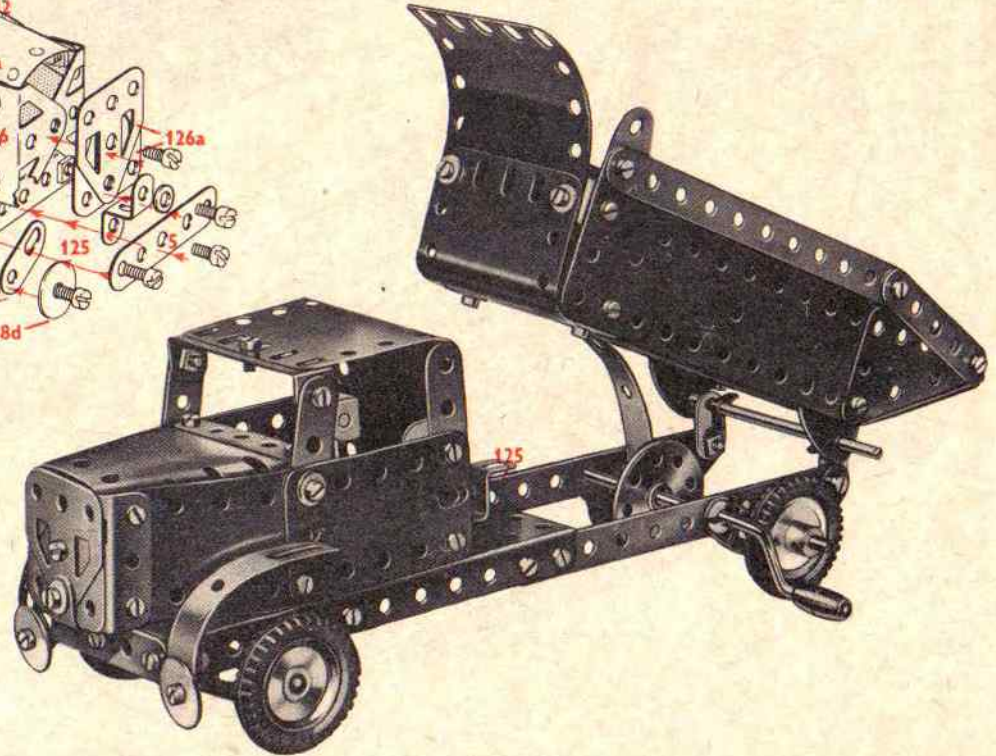
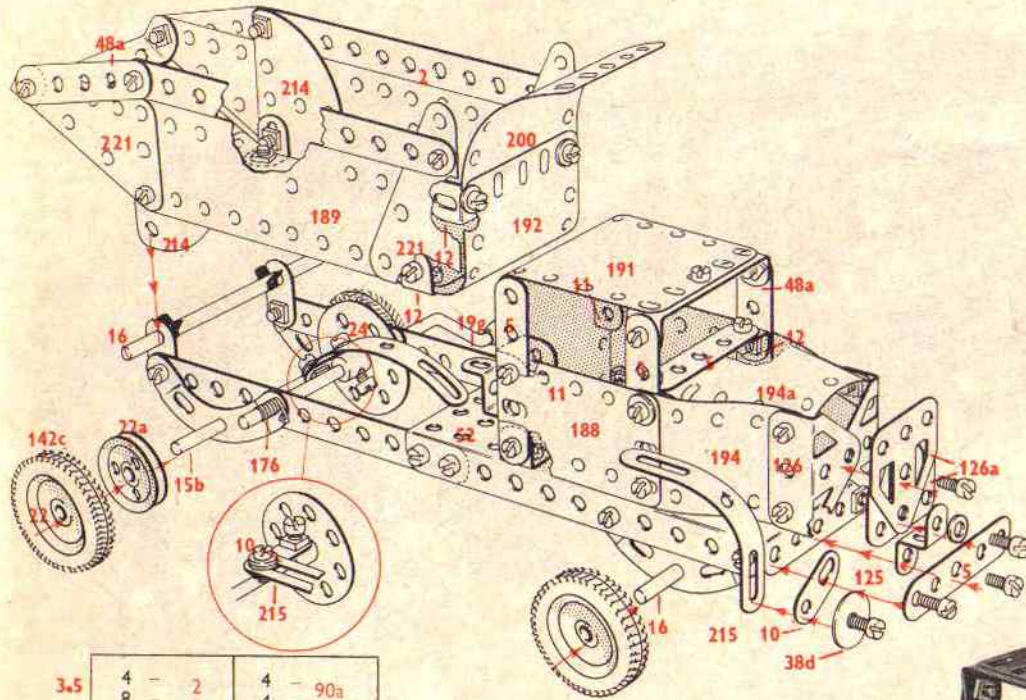


3,4

6 - 2	4 - 111c
6 - 5	2 - 125
3 - 10	2 - 126
2 - 11	2 - 126a
10 - 12	4 - 142c
1 - 15b	2 - 155
2 - 16	1 - 176
4 - 22	2 - 188
2 - 22a	2 - 189
1 - 24	1 - 193
4 - 35	1 - 194
60 - 37a	1 - 199
56 - 37b	1 - 200
5 - 38	2 - 214
2 - 48a	4 - 215
1 - 52	4 - 221
2 - 90a	



**3.5 Dumper Truck**  
**Camion à benne basculante**  
**Kipauto**  
**Kippwagen**  
**Autocarro a Cassa Ribaltabile**

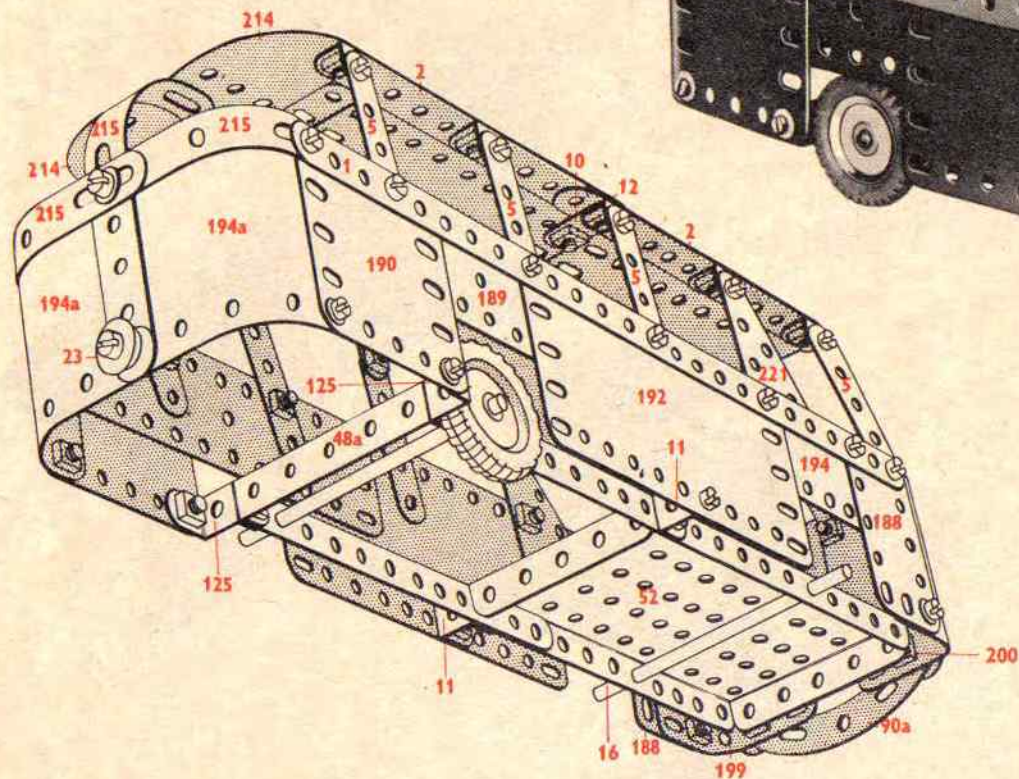
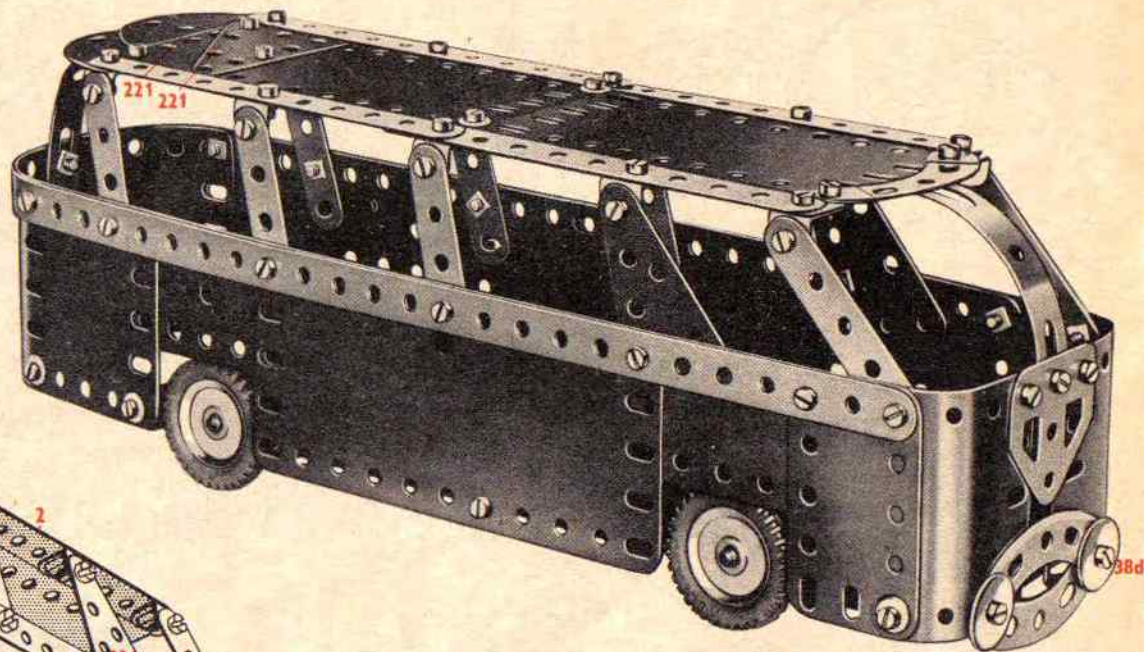


3.5

4	-	2	4	-	90a
8	-	5	4	-	111c
5	-	10	2	-	125
2	-	11	2	-	126
10	-	12	2	-	126a
1	-	15b	4	-	142c
2	-	16	1	-	176
1	-	19s	2	-	188
4	-	22	2	-	189
2	-	22a	2	-	190
1	-	24	1	-	191
3	-	35	1	-	192
60	-	37a	2	-	194
56	-	37b	1	-	194a
10	-	38	1	-	194a
2	-	38d	2	-	200
2	-	48a	2	-	214
1	-	52	3	-	215
			4	-	221



**3.6 Observation Coach**  
**Autocar grand tourisme**  
**Uitzicht autobus**  
**Aussichtswagen**  
**Autobus Belvedere**



3-6

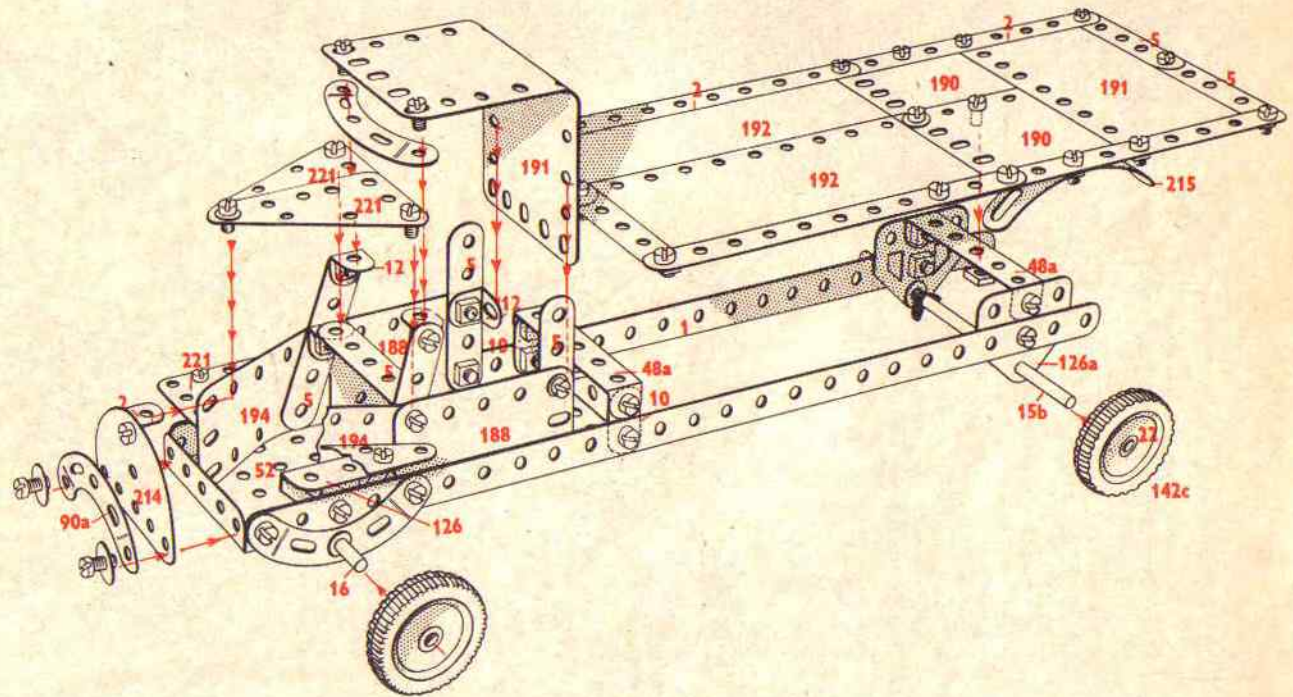
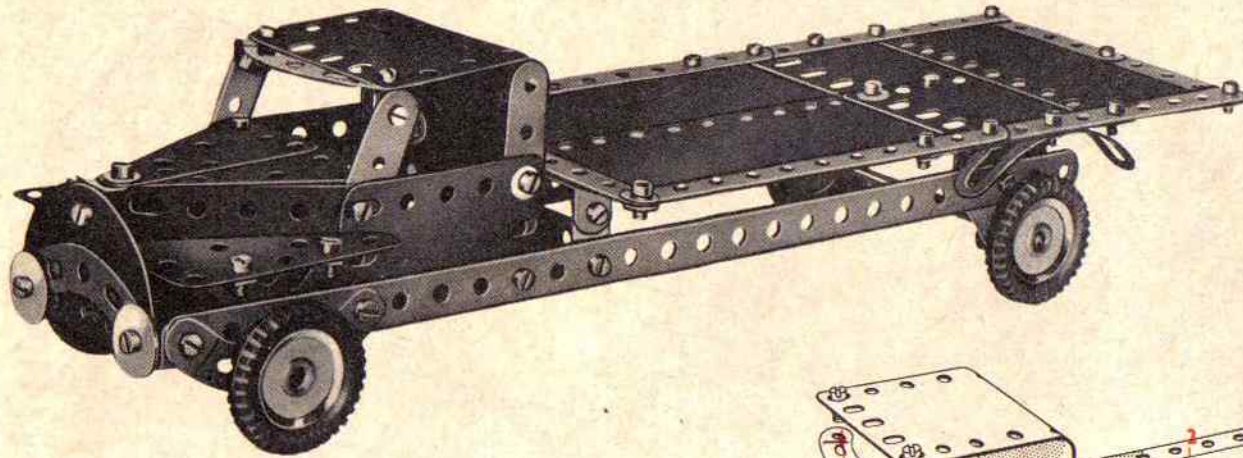
2	-	1	4	-	111c
6	-	2	2	-	125
9	-	5	1	-	126a
4	-	10	4	-	142c
2	-	11	2	-	188
10	-	12	2	-	189
2	-	16	2	-	190
4	-	22	2	-	191
1	-	23	2	-	192
60	-	37a	2	-	194
56	-	37b	2	-	194a
10	-	38	1	-	199
2	-	38d	1	-	200
1	-	48a	2	-	214
1	-	52	2	-	215
3	-	90a	4	-	221







### 3.8 Motor Lorry/Camion plateau/Motor-lorry Lastkraftwagen/Autocarro



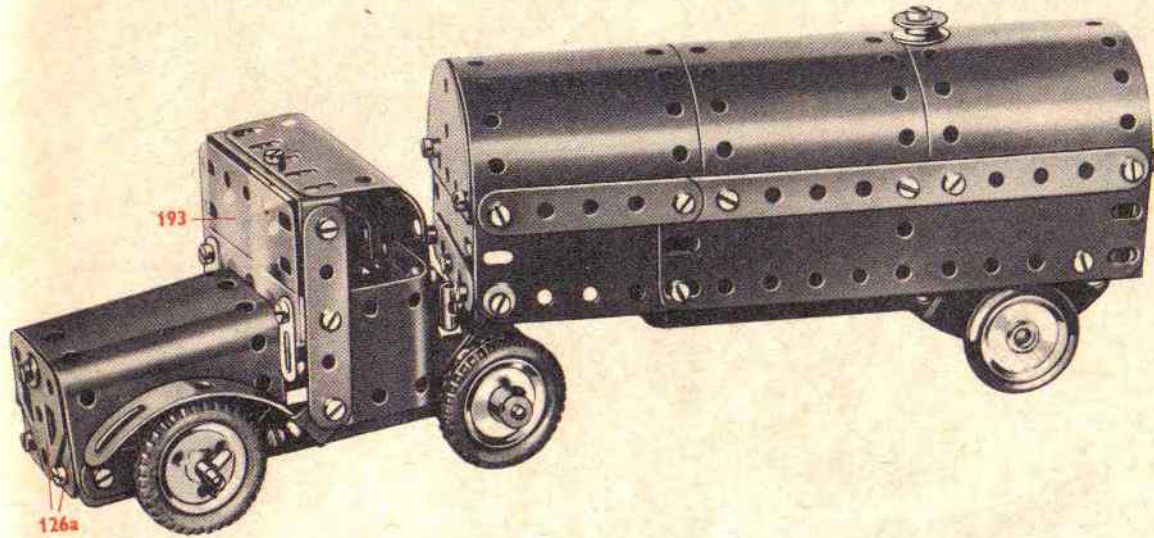
3.8

2 - 1	1 - 52
4 - 2	4 - 90a
9 - 5	2 - 126
2 - 10	2 - 126a
7 - 12	4 - 142c
1 - 15b	2 - 188
1 - 16	2 - 190
4 - 22	2 - 191
2 - 35	2 - 192
53 - 37a	2 - 194
53 - 37b	1 - 214
8 - 38	2 - 215
2 - 38d	4 - 221
2 - 48a	



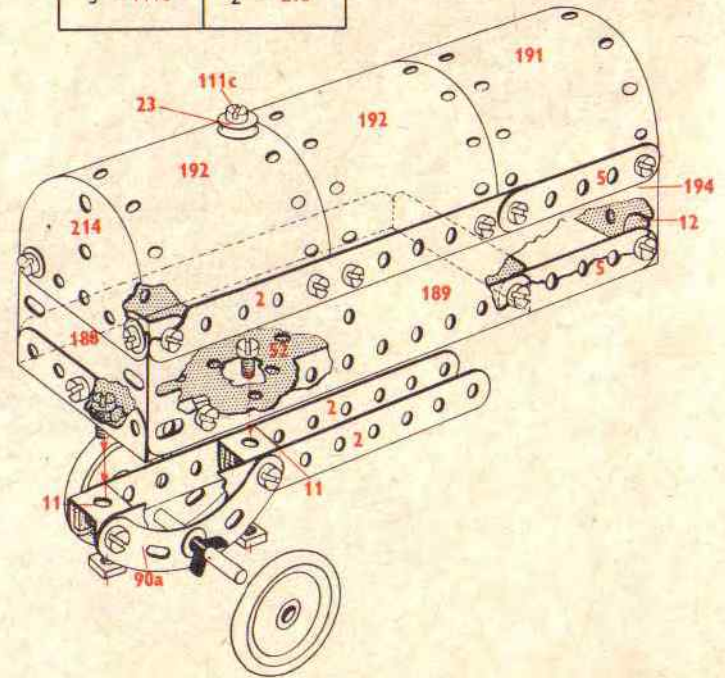
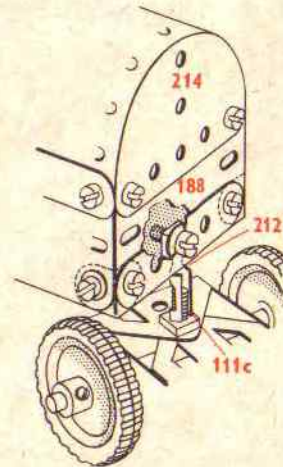
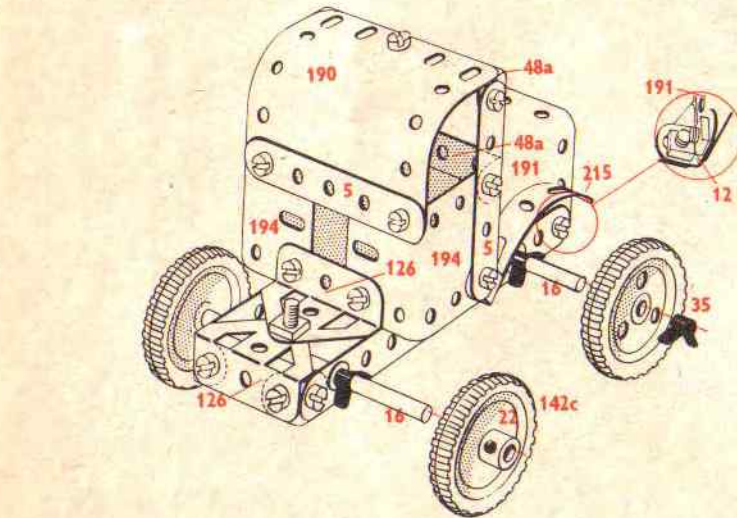
### 3.9 Articulated Petrol Tanker/Camion citerne

Tankauto, truck met oplegger  
Sattelschlepper mit Tankanhänger  
Autobotte Snodata



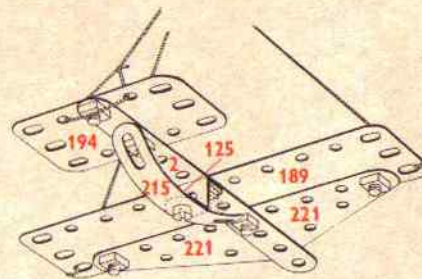
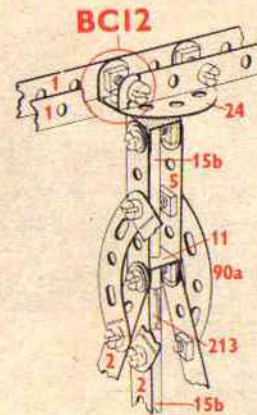
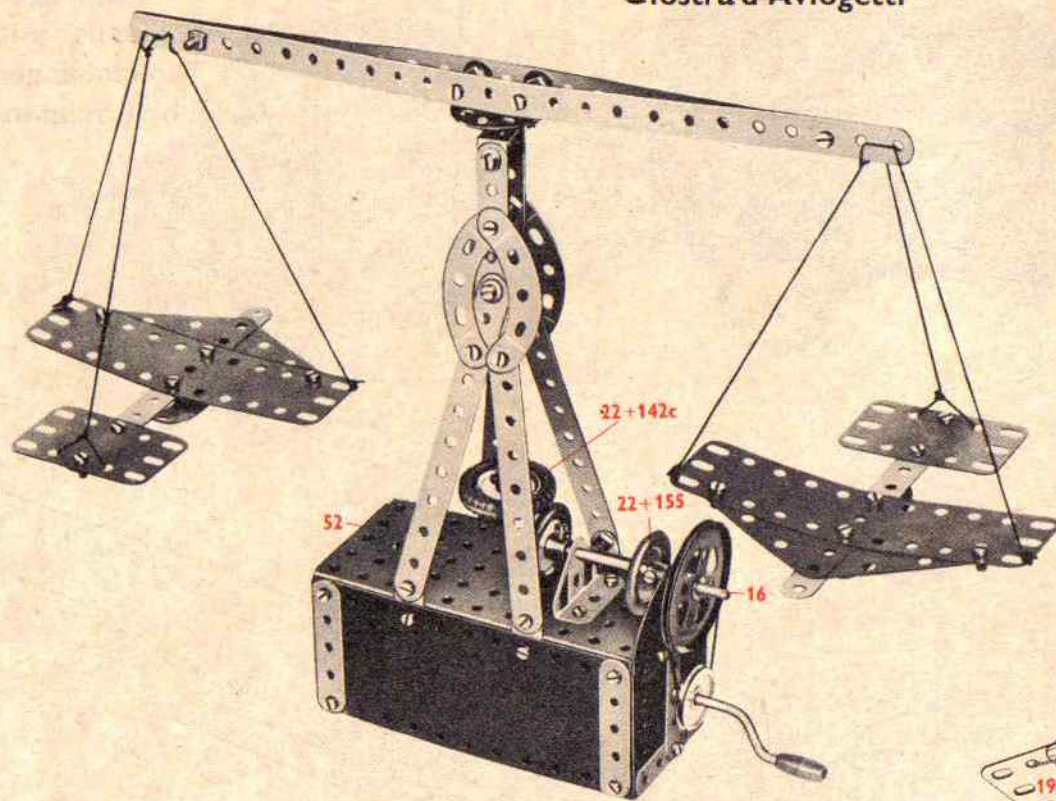
3.9

6 - 2	2 - 125
8 - 5	2 - 126
2 - 10	2 - 126a
2 - 11	4 - 142c
8 - 12	2 - 155
2 - 16	1 - 176
1 - 17	2 - 188
4 - 22	2 - 189
2 - 22a	1 - 190
1 - 23	2 - 191
7 - 35	2 - 192
60 - 37a	1 - 193
56 - 37b	2 - 194
10 - 38	2 - 194a
2 - 48a	1 - 199
1 - 52	1 - 212
2 - 90a	2 - 214
3 - 111c	2 - 215





3.10 Revolving Jet Planes/ Manège d'avions/ Draaiende Jet-vliegtuigen  
 Düsenjägerkarussell  
 Giostra d'Aviogetti



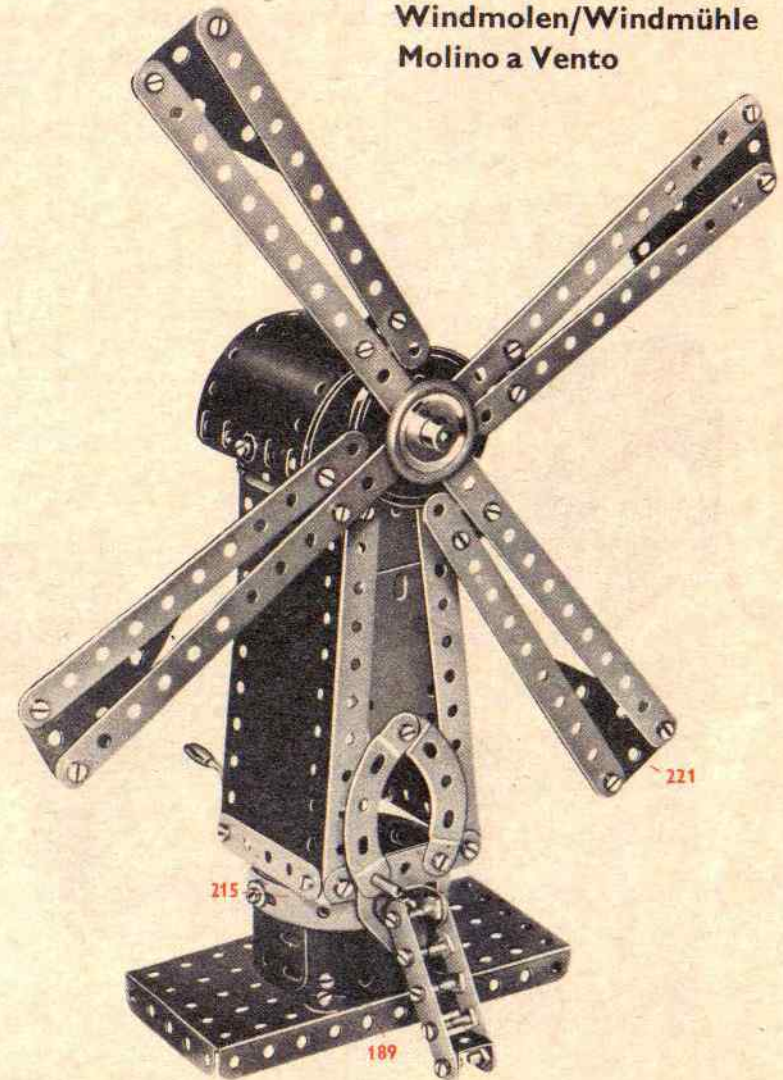
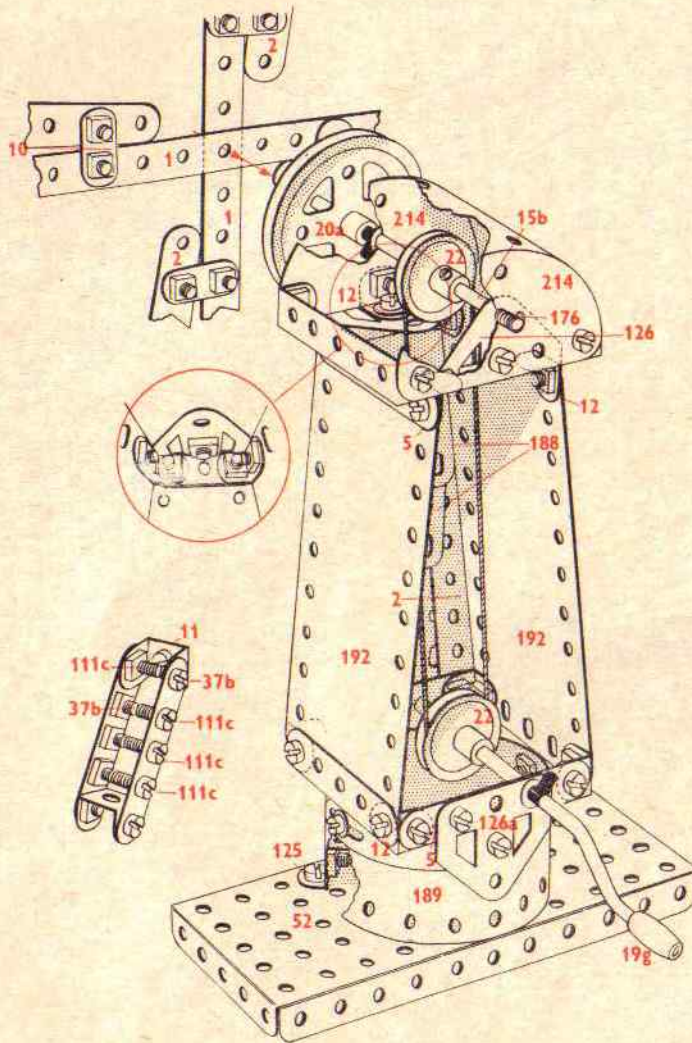
3.10		
2	-	1
6	-	2
9	-	5
4	-	10
2	-	11
4	-	12
2	-	15b
1	-	16
1	-	19s
1	-	20a
4	-	22
2	-	24
60	-	37a
56	-	37b
6	-	38
1	-	40
2	-	48a
1	-	52
4	-	90a
4	-	111c
2	-	125
2	-	126
1	-	142c
2	-	155
2	-	188
2	-	189
1	-	190
2	-	192
2	-	194
1	-	213
1	-	214
2	-	215
4	-	221



3.11 Windmill/Moulin à vent  
Windmolen/Windmühle  
Molino a Vento

3.11

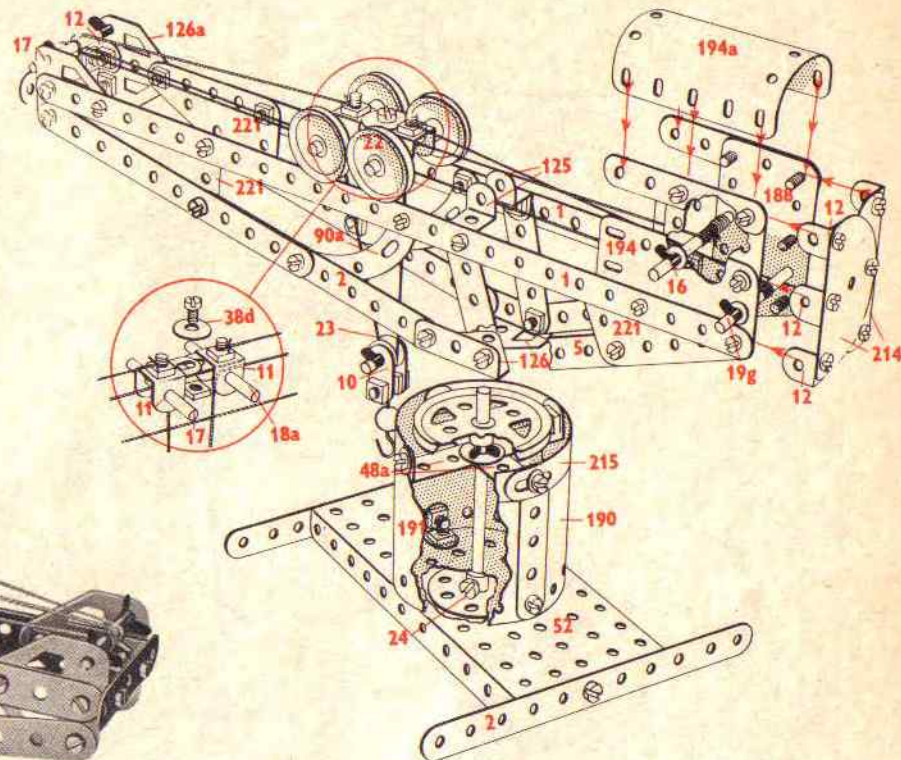
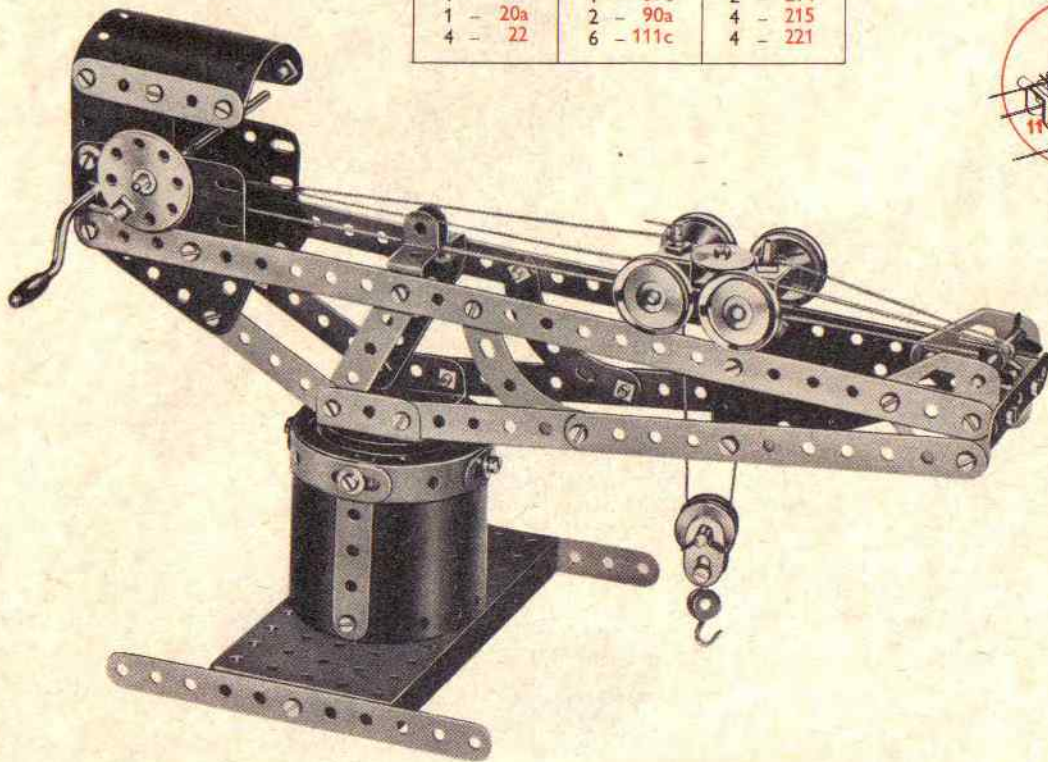
2	-	1
6	-	2
8	-	5
4	-	10
2	-	11
9	-	12
1	-	15b
1	-	19s
1	-	20a
3	-	22
2	-	35
60	-	37a
54	-	37b
6	-	38
1	-	40
2	-	48a
1	-	52
2	-	90a
6	-	111c
2	-	125
2	-	126
2	-	126a
1	-	155
1	-	176
2	-	188
2	-	189
1	-	191
2	-	192
2	-	214
4	-	215
4	-	221





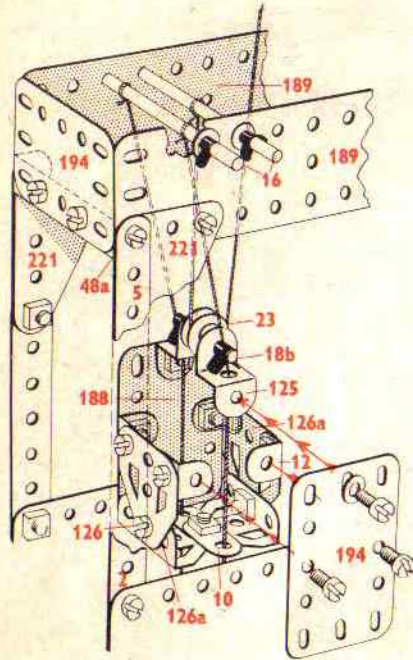
### 3.12 Block-setting Crane/Grue pour poser de blocs de béton/Zware kraan/Fahrbarer Portaldrehkran Gru per la Posa di Massi

3.12	2 - 1	1 - 23	2 - 125
	6 - 2	2 - 24	2 - 126
	9 - 5	8 - 35	2 - 126a
	4 - 10	60 - 37a	1 - 176
	2 - 11	52 - 37b	2 - 188
	10 - 12	10 - 38	1 - 190
	2 - 16	2 - 38d	1 - 191
	2 - 17	1 - 40	2 - 194
	1 - 18a	2 - 48a	1 - 194a
	1 - 18b	1 - 52	1 - 200
	1 - 19s	1 - 57c	2 - 214
	1 - 20a	2 - 90a	4 - 215
	4 - 22	6 - 111c	4 - 221



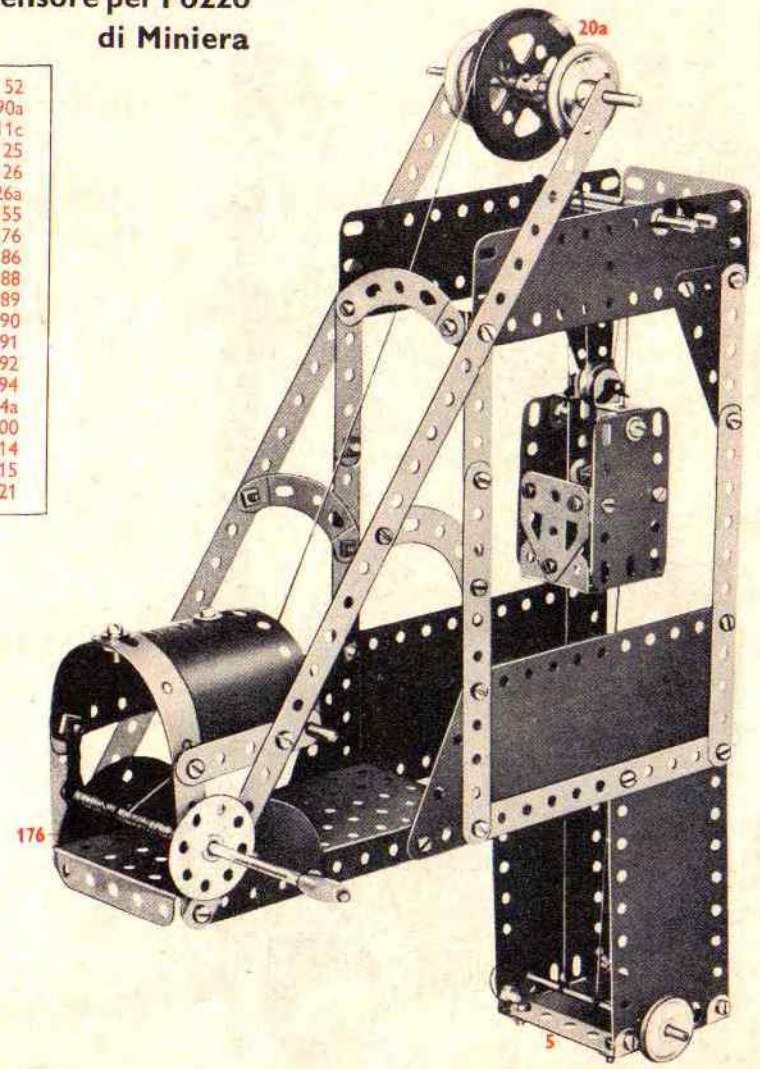
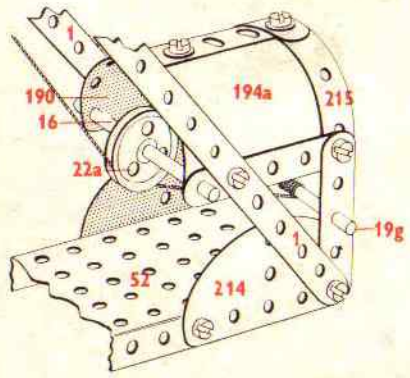


**3.13 Pit-head Gear/Puits de mine/Mijnschacht lift  
Förderturmanlage/Ascensore per Pozzo  
di Miniera**



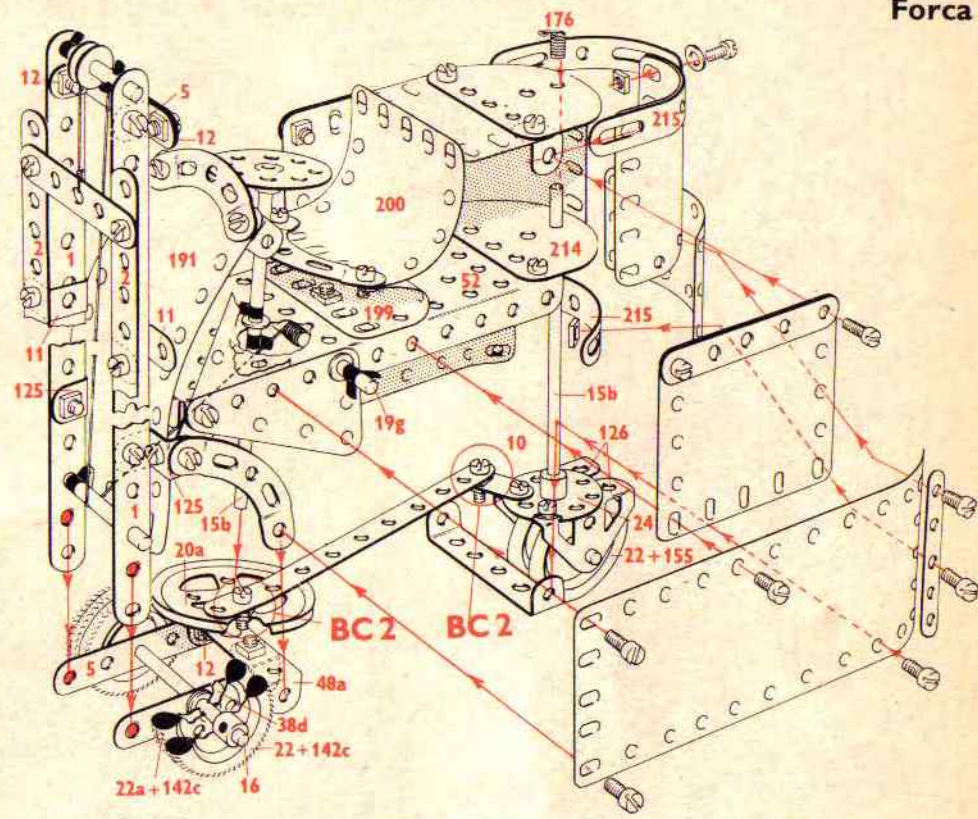
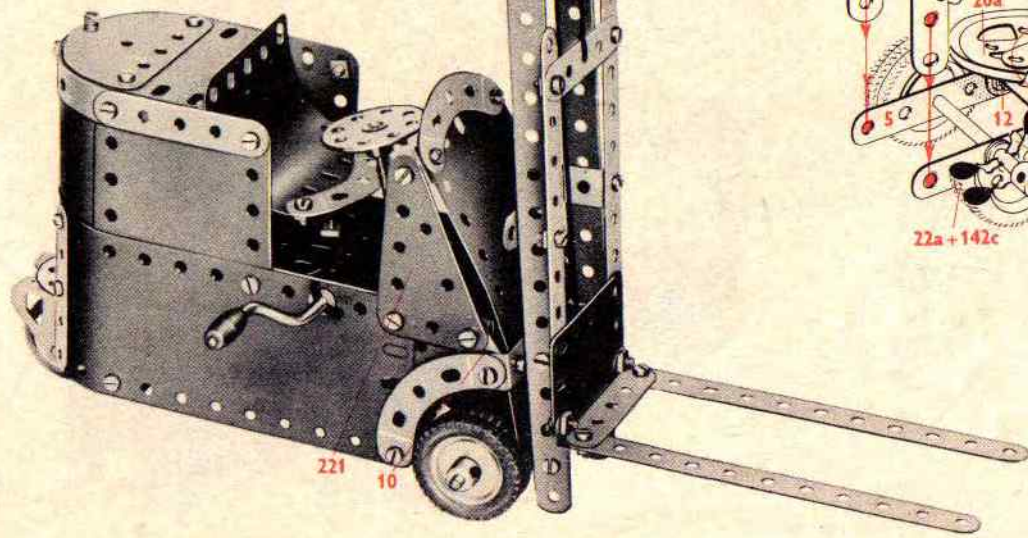
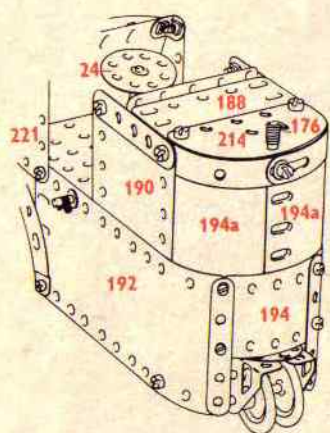
3.13

2 -	1	1 -	52
6 -	2	4 -	90a
9 -	5	4 -	111c
2 -	10	2 -	125
10 -	12	2 -	126
2 -	15b	2 -	126a
3 -	16	2 -	155
1 -	18b	1 -	176
1 -	19g	1 -	186
1 -	20a	2 -	188
4 -	22	2 -	189
1 -	22a	1 -	190
1 -	23	2 -	191
1 -	24	2 -	192
8 -	35	2 -	194
60 -	37a	1 -	194a
56 -	37b	1 -	200
10 -	38	2 -	214
1 -	40	4 -	215
2 -	48a	4 -	221





### 3.14 Fork-lift Truck/Chariot à fourche/Vorkheftruck/Gabelstapler/Carrello con Elevatore a Forca

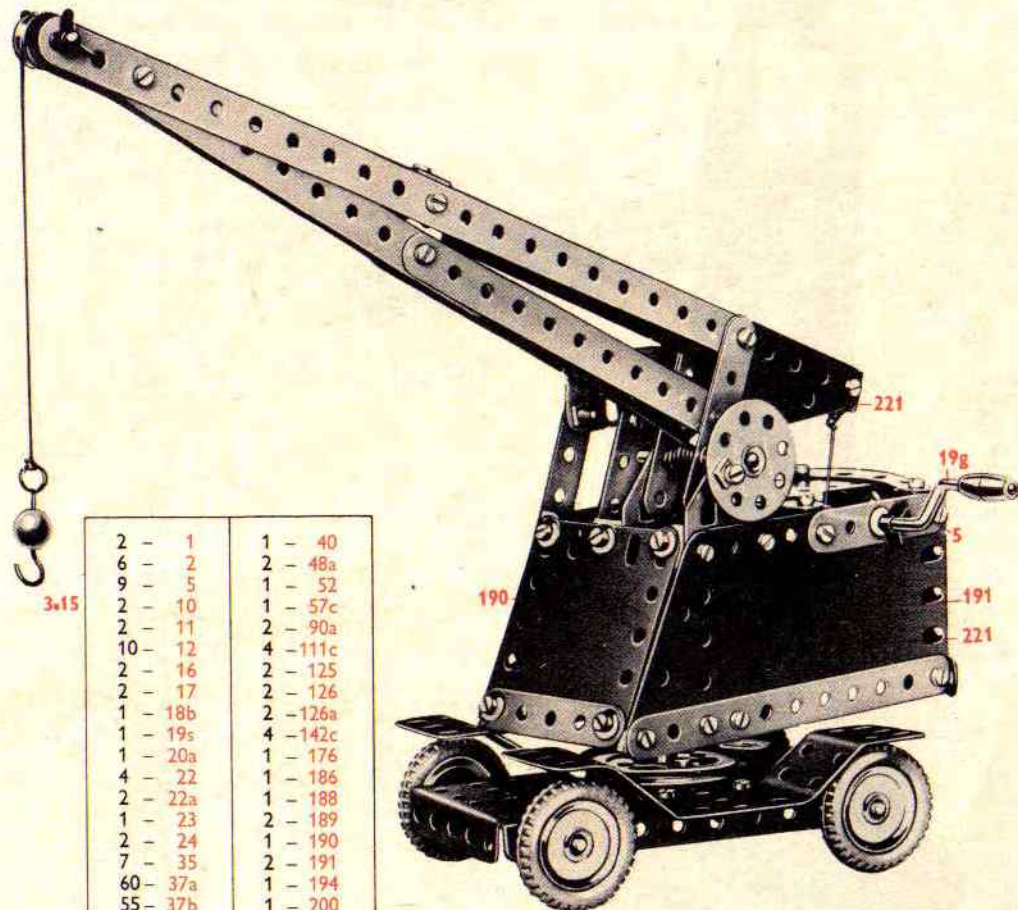
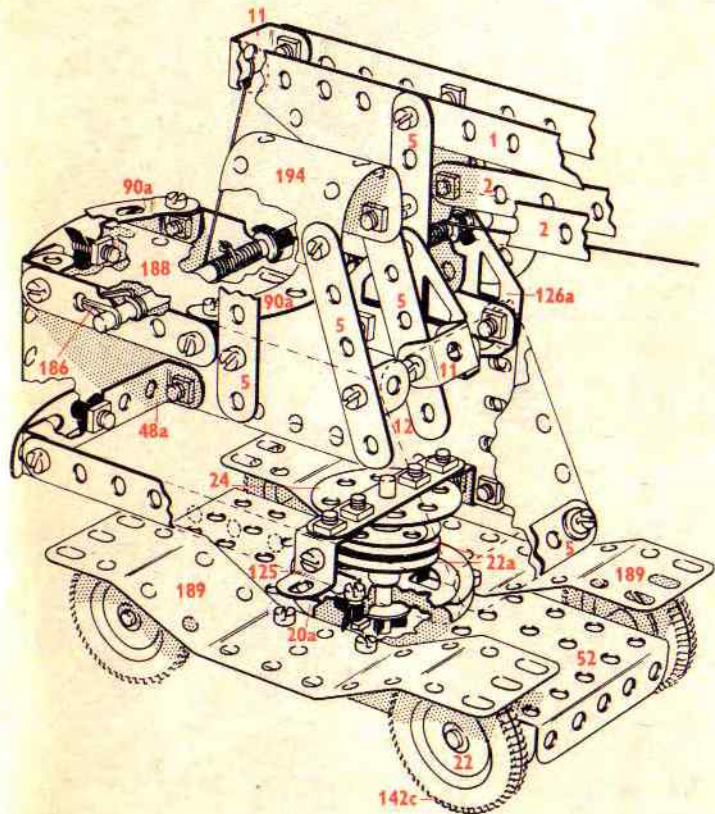


3.14

2 - 1	1 - 20a	2 - 48a	1 - 191
5 - 2	4 - 22	1 - 52	2 - 192
9 - 5	2 - 22a	4 - 90a	1 - 194
3 - 10	1 - 23	3 - 111c	2 - 194a
2 - 11	2 - 24	2 - 125	1 - 199
10 - 12	8 - 35	2 - 126	1 - 200
2 - 15b	60 - 37a	4 - 142c	2 - 214
1 - 16	55 - 37b	2 - 155	3 - 215
2 - 17	10 - 38	1 - 176	4 - 221
1 - 18a	2 - 38d	2 - 188	
1 - 19s	1 - 40	2 - 190	



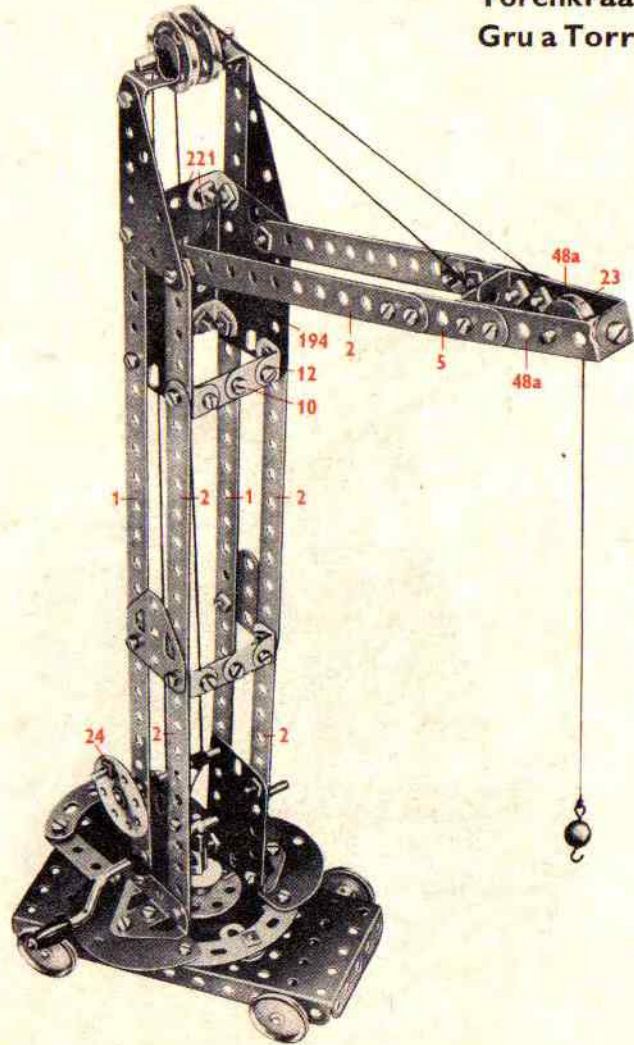
### 3.15 Mobile Crane/Grue mobile/Rijdende kraan Fahrbarer Kran/Gru Mobile



2 - 1	1 - 40
6 - 2	2 - 48a
9 - 5	1 - 52
2 - 10	1 - 57c
2 - 11	2 - 90a
10 - 12	4 - 111c
2 - 16	2 - 125
2 - 17	2 - 126
1 - 18b	2 - 126a
1 - 19s	4 - 142c
1 - 20a	1 - 176
4 - 22	1 - 186
2 - 22a	1 - 188
1 - 23	2 - 189
2 - 24	1 - 190
7 - 35	2 - 191
60 - 37a	1 - 194
55 - 37b	1 - 200
8 - 38	4 - 221
1 - 38d	

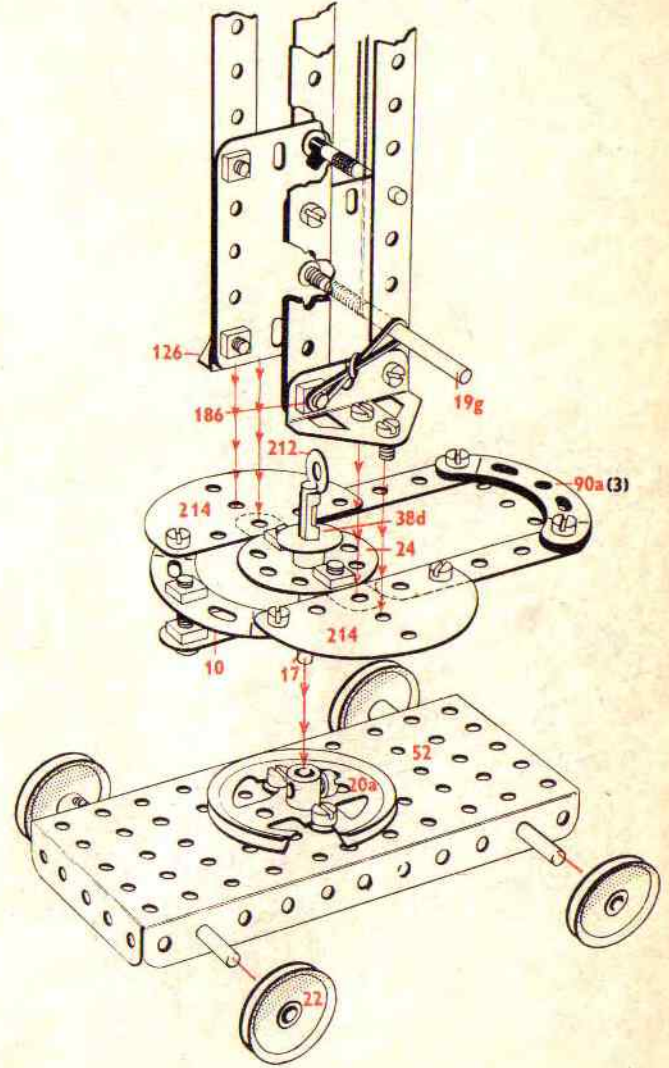


**3.16 Monotower Crane/Grue de chantier  
Torenkraan/Turmdrehkran  
Gru a Torre**



3.16

2	-	1
6	-	2
9	-	5
5	-	10
8	-	12
2	-	16
2	-	17
1	-	18a
1	-	18b
1	-	19s
1	-	20a
4	-	22
2	-	22a
1	-	23
2	-	24
7	-	35
59	-	37a
48	-	37b
9	-	38
1	-	38d
1	-	40
2	-	48a
1	-	52
1	-	57c
4	-	90a
6	-	111c
2	-	125
2	-	126
2	-	126a
1	-	176
1	-	186
2	-	188
1	-	190
2	-	194
1	-	212
2	-	214
4	-	221





## Names and numbers of Meccano Parts used in No. 2 and No. 3 Outfit models

### Noms et numéros des pièces Meccano utilisées dans les modèles des boîtes no. 2 et no. 3

### Namen en nummers van de Meccano onderdelen welke gebruikt worden in de modellen van doos 2 en doos 3

### Bezeichnungen und Nummern der Meccano Teile, die zu den Modellen von Baukästen Nr. 2 und Nr. 3 gebraucht werden

### Numeri e denominazioni dei pezzi Meccano usati nella costruzione dei modelli delle Scatole No. 2 e No. 3

Perforated Strip  
Bande perforée  
Geperforeerde strook  
Lochband  
Striscia perforate

Fishplate  
Support plat  
Plat steunstuk  
Flache Stütze  
Supporto piatto

Double  
Bracket  
Support  
double  
Doppelte  
steunstuk  
Winkel-  
stütze  
Supporto  
doppio

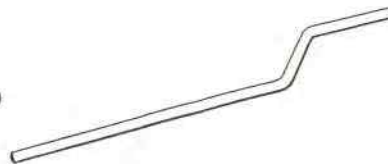
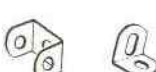
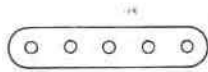
Angle Bracket  
Equerre  
Hoeksteun  
Winkelstütze  
Squadretta

Rod  
Tringle  
Assen  
Stäbe  
Assi

Crank Handle (without grip)  
Petite manivelle (sans poignée)  
Kruk (zonder greep)  
Handkurbel ohne Griff  
Manovella

Pulley  
Poulie  
Riemschijf  
Riemenscheibe  
Puleggia

Pulley (with boss)  
Poulie à moyeu  
Riemschijf (met naaf)  
Riemenscheibe (mit  
Stellschraube)  
Puleggia (con vite  
d'arresto)



1 - 12 $\frac{1}{2}$ " ; 32 cm  
2 - 5 $\frac{1}{4}$ " ; 14 cm  
5 - 2 $\frac{1}{4}$ " ; 6 cm

10

11

12

15b - 4" ; 10 cm  
16 - 3 $\frac{1}{4}$ " ; 9 cm  
17 - 2" ; 5 cm  
18a - 1 $\frac{1}{2}$ " ; 4 cm  
18b - 1" ; 2,5 cm

19s

20a - 2" ; 5 cm

22 - 1" ; 2,5 cm

Pulley (without boss)  
Poulie sans moyeu  
Riemschijf (zonder naaf)  
Riemenscheibe (ohne  
Stellschraube)  
Puleggia (senza vite  
d'arresto)

Pulley  
(without boss)  
Poulie sans  
moyeu  
Riemschijf  
(zonder naaf)  
Riemenscheibe  
(ohne  
Stellschraube)  
Puleggia (senza  
vite d'arresto)

Bush Wheel  
Roue barillet  
Naafbuswiel  
Buchsrud  
Disco con mozzo

Spring Clip  
Clavette  
Veerclip  
Klemmuffe  
Fermaglio a molla

Nut  
Ecrou  
Moer  
Mutter  
Dado

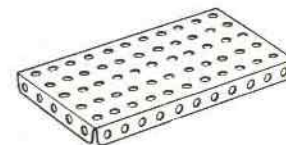
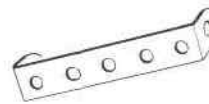
Bolt  
Boulon  
Bout  
Schraube  
Vite

Washer  
Rondelle  
Onderlegging  
Unter-  
lagscheibe  
Rondella

Washer  
Disque  
Onderlegging  
Unterlagscheibe  
Rondella

Double Angle Strip  
Bande caudée  
Dubbele hoekstrook  
Doppelwinkelstreifen  
Striscia a piega doppia

Flanged Plate  
Plaque à rebords  
Flensplaat  
Geflanschte Platte  
Piastra bordata



22a - 1" ; 2,5 cm

23 -  $\frac{1}{2}$ " ; 1 cm

24

35

37a

37b

38

38d -  $\frac{3}{8}$ " ; 2 cm

48a - 2 $\frac{1}{2}$ "  $\times$   $\frac{1}{2}$ " ; 6 cm  $\times$  1 cm

52 - 5 $\frac{1}{2}$ "  $\times$  2 $\frac{1}{2}$ " ; 14 cm  $\times$  6 cm



## Names and numbers of Meccano Parts used in No. 2 and No. 3 Outfit models

## Noms et numéros des pièces Meccano utilisées dans les modèles des boîtes no. 2 et no. 3

## Namen en nummers van de Meccano onderdelen welke gebruikt worden in de modellen van doos 2 en doos 3

## Bezeichnungen und Nummern der Meccano Teile, die zu den Modellen von Baukästen Nr. 2 und Nr. 3 gebraucht werden

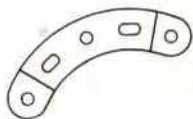
## Numeri e denominazioni dei pezzi Meccano usati nella costruzione dei modelli delle Scatole No. 2 e No. 3

Loaded Hook  
Petit crochet lesté  
Haak  
Belasteter Haken  
Gancio con peso



57c

Curved Strip (Stepped)  
Bande incurvée, épaulée  
Gebogen trapstrook  
Gekrümtes Band,  
gekröpft  
Striscia curva piegata



90a

Bolt  
Boulon  
Bout  
Schraube  
Vite

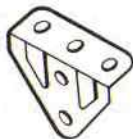


111c -  $\frac{3}{8}$ " ; 1 cm

Reversed Angle  
Bracket  
Equerre renversée  
Umgekehrte  
hoeksteun  
Umgekehrte  
Winkelstütze  
Doppia squadretta

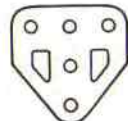


125 -  $\frac{1}{2}$ "  $\times$   $\frac{1}{2}$ " ;  
12  $\times$  12 mm



126a

Trunnion  
Embase triangulée  
coudée  
Zapfen  
Zapfen  
Supporto triangolare  
piegato



Motor Tyre  
Pneu d'automobile  
Autoband  
Autoreifen  
Gomma per  
autoveicoli



142c

Rubber Ring  
Anneau de  
caoutchouc  
Rubberband  
Gummiring  
Anello di gomma



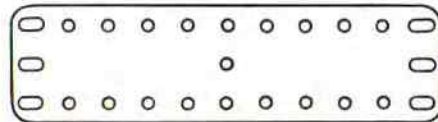
155

Cord Anchoring  
Spring  
Ressort d'attache  
pour corde  
Veeranker voor  
koord  
Befestigungs-  
Feder für  
Meccano  
Schnur  
Molla di fissaggio  
per cordoncino



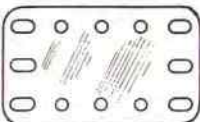
176

Flexible Plate  
Plaque flexible  
Buigzame plaat  
Biegsame Platte  
Piastra flessibile



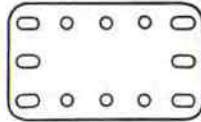
188 -  $2\frac{1}{2}$ "  $\times$   $1\frac{1}{2}$ " ;  
60  $\times$  38 mm  
189 -  $5\frac{1}{2}$ "  $\times$   $1\frac{1}{2}$ " ;  
140  $\times$  38 mm  
190 -  $2\frac{1}{2}$ "  $\times$   $2\frac{1}{2}$ " ;  
6  $\times$  6 cm  
191 -  $4\frac{1}{2}$ "  $\times$   $2\frac{1}{2}$ " ;  
11.5  $\times$  6 cm  
192 -  $5\frac{1}{2}$ "  $\times$   $2\frac{1}{2}$ " ;  
14  $\times$  6 cm

Plastic Plate (transparent)  
Plaque plastique, claire  
Plastic plaat, transparant  
Kunststoffplatte,  
durchsichtig  
Piastra di plastica,  
trasparente



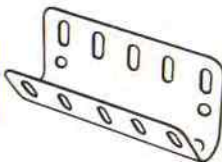
193 -  $2\frac{1}{2}$ "  $\times$   $1\frac{1}{2}$ " ;  
6  $\times$  4 cm

Plastic Plate (black)  
Plaque plastique, noir  
Plastic plaat, zwart  
Kunststoffplatte, schwarz  
Piastra di plastica, nero



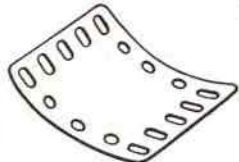
194 -  $2\frac{1}{2}$ "  $\times$   $1\frac{1}{2}$ " ; 6  $\times$  4 cm  
194a -  $2\frac{1}{2}$ "  $\times$   $2\frac{1}{2}$ " ; 6  $\times$  6 cm

Curved Plate, U Section  
Plaque cintrée en "U"  
Boogplaat, U-vormig  
Gewölbte Platte,  
"U"-förmig  
Piastra curvata ad "U"



199

Curved Plate  
Plaque cintrée  
Boogplaat  
Gewölbte Platte  
Piastra curvata



200

Rod and Strip  
Connector  
Raccord tringle  
et bande  
As-strook-  
koppeling  
Wellen- und  
Streifen-  
verbinder  
Giunto per asse  
e striscia



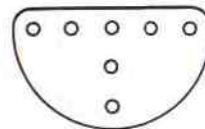
212

Rod Connector  
Raccord de tringles  
Assen-koppeling  
Wellenverbinder  
Giunto per assi



213

Semi-circular Plate  
Plaque semi-circulaire  
Halbkreisplaat  
Halbkreisförmige Platte  
Piastra semicircolare



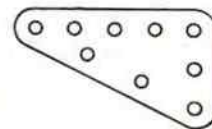
214

Formed Slotted Strip  
Bande glissière cintrée  
Gebogen gleufstrook  
Gebogener und  
geschlitzter Streifen  
Striscia curvata con due  
fori oblunghi



215

Triangular Flexible Plate  
Plaque flexible triangulaire  
Buigzame, driehoeks sluitplaat  
Dreieckige biegsame Platte  
Piastra flessibile triangolare



221