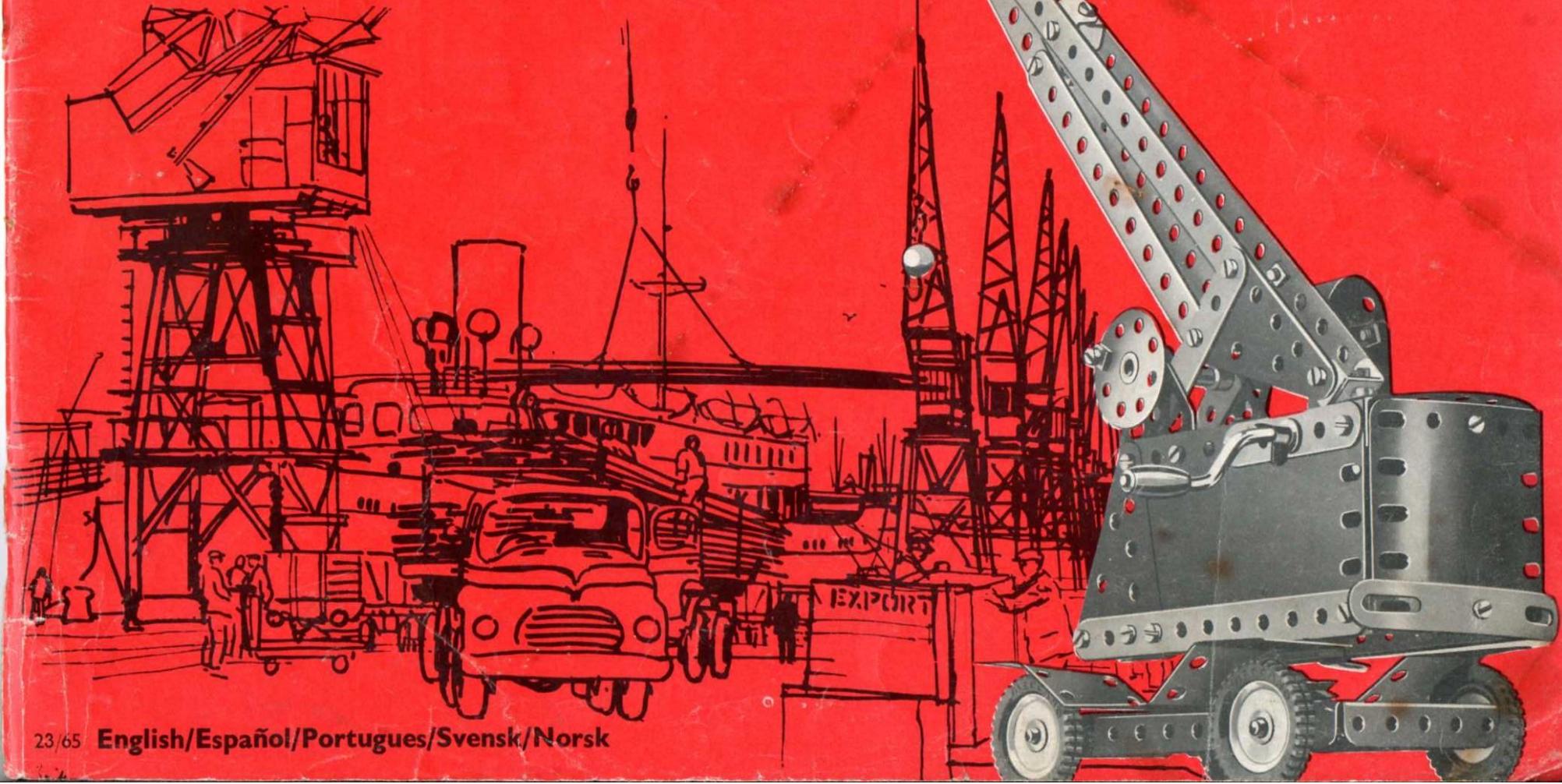


MECCANO.

2/3

© Meccano Limited Binns Road Liverpool 13 England



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-buildings. They are called *Basic Meccano Constructions* and are illustrated on pages 15 and 16 of the O/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 O/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.

Como emplear este Libro

En la cubierta posterior de este libro se hallan las piezas ilustradas de los Equipos Nos. 2 y 3 junto con su nombre y respectivo número. Las piezas usadas en la construcción de los modelos que se ven en este libro pueden reconocerse sencillamente si se estudian las ilustraciones. En caso de que una pieza no pueda reconocerse enseguida, el número se ve en COLORADO en las ilustraciones de modelos.

Se incluye una lista de las piezas que se necesitan para cada modelo. En esta lista el número de las piezas es COLORADO y la cantidad va en número NEGRO. Algunos conjuntos de piezas se emplean una y más veces en toda clase de modelos. Se llaman *Construcciones Basicas Meccano* y se ilustran en las páginas 15 y 16 del Libro de Modelos No. O/1. Cada uno tiene la marca de un Clave especial, por ejemplo: BC1, BC2, etc. Cuando se ve una de estas marcas en las ilustraciones, indica el método de construcción descrito bajo la misma marca en el Libro O/1.

Algunos modelos se construyen en unidades separadas. Los puntos colorados en los dibujos denotan los puntos en los cuales estas unidades se empernan juntas.

Los Motores también se indican en los grabados con las marcas de Clave siguientes:

M1 = Motor Meccano Magic; M2 = Motor a Resorte Meccano No. 1; M3 = Motor Eléctrico Meccano E15R; M4 = Motor Eléctrico Emebo.

Modelos para Equipo No. 2—Pág. 1-8. Modelos para Equipo No. 3—Pág. 9-24.

Como usar este Livrete

Na capa de trás deste Livrete, aí encontrará o desenho de todas as peças com nomes e numeros de referencia. As peças usadas na construção dos modelos ilustrados neste livrete podem ser identificadas simplesmente pelas ilustrações, mas quando a identificação de uma peça não é clara, o seu número e indicado a VERMELHO no desenho do modelo.

Cada modelo é acompanhado por uma lista de todas as peças necessárias para a sua construção. Nesta lista os números do catálogo das peças são imprimidos a VERMELHO e as quantidades de cada peça a PRETO.

Algumas montagens simples são usadas muitas vezes em todas as espécies de modelos. Chamam-se estas *Construções básicas do Meccano* e são ilustradas nas páginas 15 e 16 do Livrete O/1. Cada uma tem um código de identificação, tal como BC1, BC2, etc. Quando se vir um código num desenho, saber-se-á que a construção dessa parte do modelo é semelhante ao desenho ilustrado no Livrete O/1.

Alguns dos modelos são construídos em unidades separadas. Os pontos nos quais estas unidades são colocadas e aparafusadas juntas para construir o modelo completo são indicados nos desenhos com pontos vermelhos.

O tipo de Motor é indicado nos desenhos por um dos seguintes códigos de identificação.

M1 = Motor Meccano Magic; M2 = Motor Meccano No. 1 com mecanismo de corda; M3 = Motor Meccano Elétrico E15R.

Modelos para Estojo 2—pag. 1-8. Modelos para Estojo 3—pag. 9-24.

Att använda denna bok

På bakre omslaget finner Du avbildade delarna i bygglädorna 2 och 3, med beteckning och nummer. Delarna som används för byggandet av modellerna i denna bok kan Du lätt känna igen genom att se på avbildningarna, men där Du inte säkert kan känna igen en viss del är numret tryckt i RÖTT på illustrationen.

Varje modell åtföljs av en lista över alla delar, som behövs för att bygga den. I denna lista är katalognumren tryckta i RÖTT och antalet av varje del som åtgår i SVART.

Några enkla konstruktioner används gäng efter annan i alla slags modeller. Dessa kallas *Meccano grundkonstruktioner* och är avbildade på sidorna 15 och 16 i modellboken O/1. Var och en har ett speciellt kodnummer såsom BC1, BC2 o.s.v. När Du t.ex. ser BC1 i en avbildning skall Du veta, att denna sektion bygges som BC1 visar i boken O/1.

Några modeller är konstruerade i separata enheter. Punkterna i vilka dessa enheter sätts samman för att forma en komplett modell visas i ritningarna med röda punkter.

Meccanomotorer är också angivna i ritningarna med ett av de följande kodnumren:

M1 = Meccano fjädermotor *Magisk*; M2 = Meccano fjädermotor nr. 1; M3 = Meccano elektrisk motor; M4 = Elektrisk motor *Emebo*.

Modeller för bygglåda nr. 2 på sidorna 1-8; modeller för bygglåda nr. 3 på sidorna 9-24.

Hvordan denne boken kan brukes

På omslaget bak på denne boken vil du finne bilder av delene i settene 2 og 3 sammen med navn og del-nummer. Delene som blir brukt til modellsamlingen som er vist i denne boken, kan i alminnelighet kjennes igjen på illustrasjonene, men hvor du ikke sikert kan kjenne igjen en viss del, er del-nummeret trykt i RØDT på tegningen.

En liste over delene som trengs til å bygge hver modell er også med. I denne listen er delnumrene trykt i RØDT, og antallet som går med er trykt i SORT.

Noen konstruksjoner er ofte brukt i modell-byggingen. De blir kalt *Meccano grunn-konstruksjoner* og er vist på sidene 15 og 16 i O/1 modell-boken. Hver har et kodemerke, f.eks. BC1, BC2 o.s.v. Når du t. eks. ser BC1 i en avbildning skal du vite, at denne seksjonen bygges som BC1 viser i boken O/1.

Några modeller er konstruert i forskjellige enheter. Punkterna i vilka dessa enheter sätts sammen för att forma en komplett modell visas i ritningarna med røde punkter.

Også motorer blir i illustrasjonene vist ved kode-merker: M1 = Meccano Magic Motor; M2 = Meccano nr. 1 Urwerk motor; M3 = Meccano E15R Elektrisk motor; M4 = Meccano Elektrisk motor *Emebo*.

Modeller for byggesett nr. 2 på sidene 1-8; modeller for byggesett nr. 3 på sidene 9-24.

Contents of Outfits 2 and 3

Contenido de los Equipos 2 y 3

Conteúdo dos estojos 2 e 3

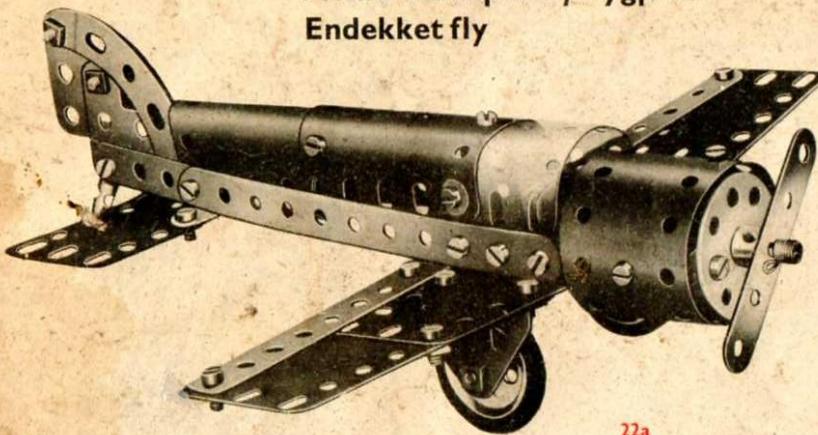
Innehåll i bygglådorna 2 och 3

Innhold i sett 2 og 3

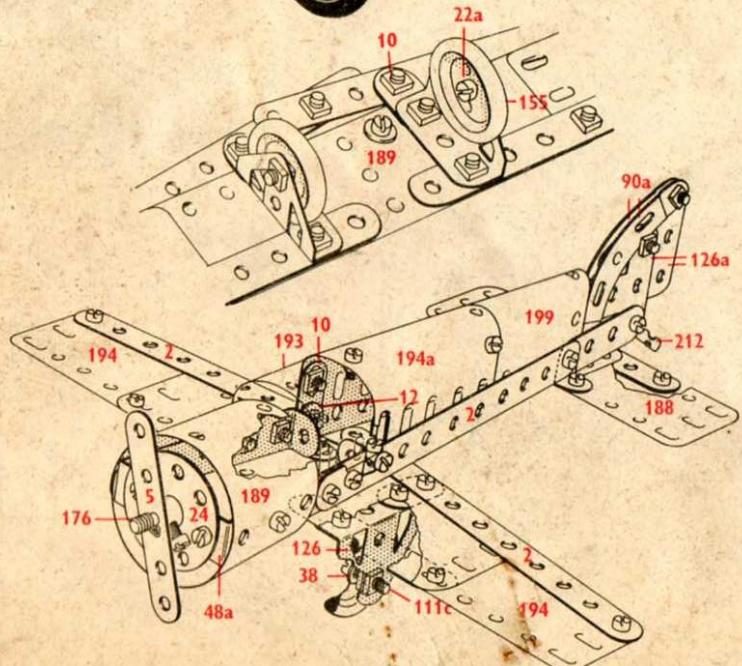
Part No.	Outfit	Part No.	Outfit
Pieza No.	Equipo	Pieza No.	Equipo
Peça No.	Estojo	Peça No.	Estojo

	2	3	2	3
1	-	2	52	1
2	4	6	57c	1
5	6	9	90a	2
10	4	5	111c	4
11	1	2	125	1
12	8	10	126	2
15b	-	2	126a	2
16	2	3	142c	4
17	2	2	155	2
18a	-	1	176	1
18b	1	1	186	1
19g	-	1	188	2
19s	1	-	189	2
20a	1	1	190	2
22	4	4	191	1
22a	2	2	192	2
23	-	1	193	2
24	1	2	194	2
34	2	2	194a	2
35	6	8	199	1
36	1	1	200	-
37a	56	60	212	1
37b	50	56	213	1
38	10	10	214	-
38d	-	2	215	-
40	1	1	221	-
48a	2	2		4

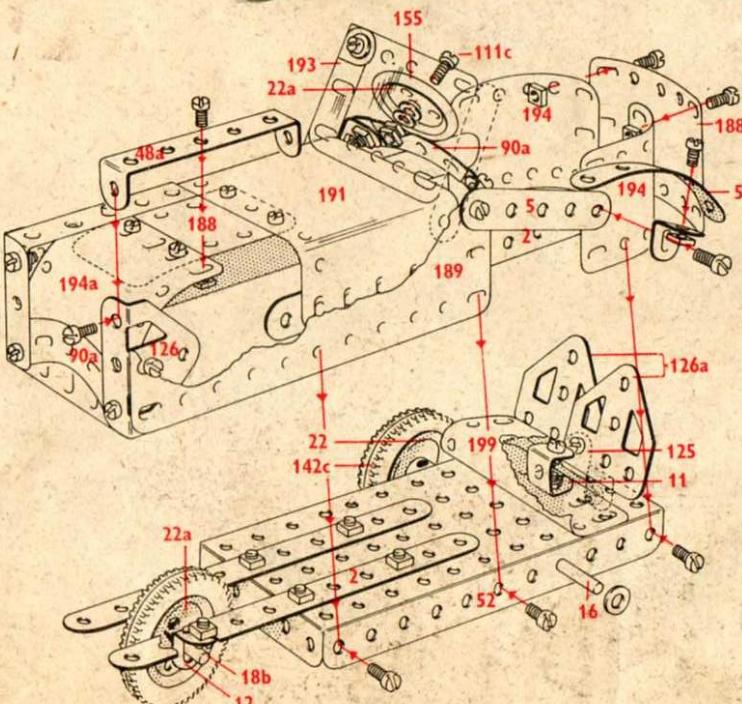
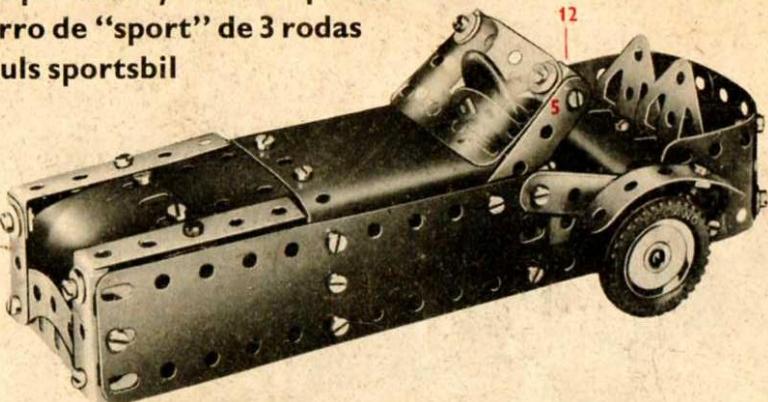
**2.1 Monoplane/ Monoplano
Avião monoplano/Flygplan
Endekket fly**



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

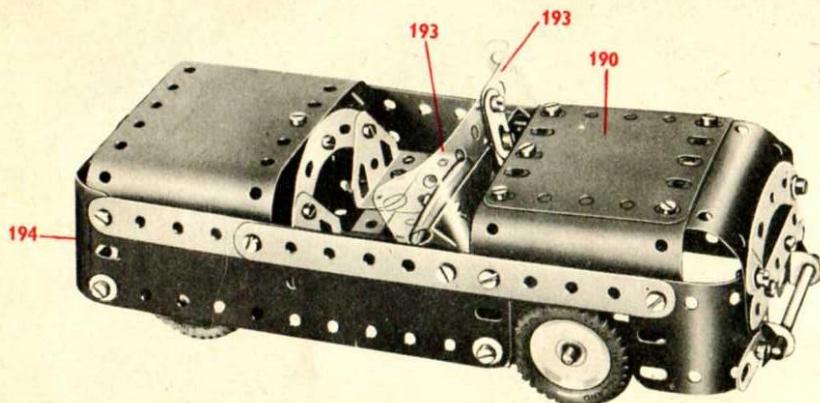


**2.2 3-Wheel Sports Car/Coche deportivo
de 3 ruedas/Carro de "sport" de 3 rodas
3 hjulig bil/3-hjuls sportsbil**



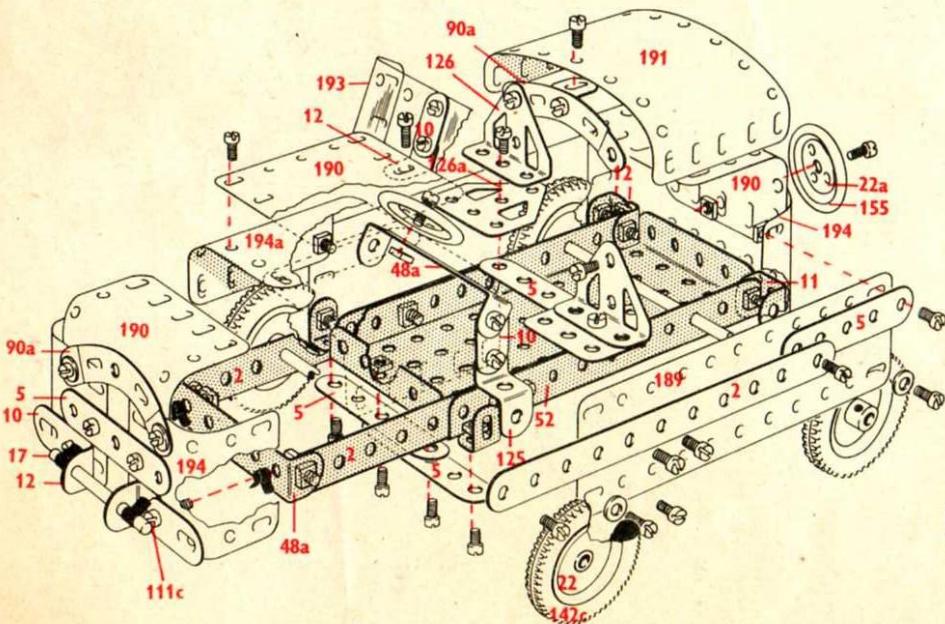
2.2	4	-	2
	6	-	5
	1	-	11
	8	-	12
	1	-	16
	1	-	18b
	2	-	22
	2	-	22a
	2	-	35
	50	-	37a
	48	-	37b
	10	-	38
	2	-	48a
	1	-	52
	2	-	90a
	1	-	111c
	1	-	125
	1	-	126
	2	-	126a
	3	-	142c
	1	-	155
	2	-	188
	2	-	189
	1	-	191
	1	-	193
	2	-	194
	1	-	194a
	1	-	199

2.3 Sports Car/Automóvil deportivo/Carro de “sport”/Sportbil/Sportsbil



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

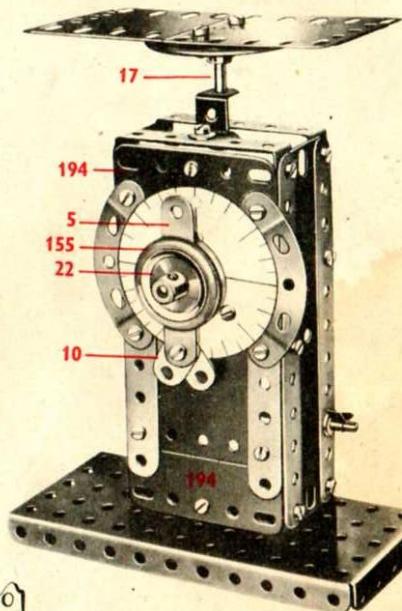


2.4 Letter Balance/Pesa-Cartas

Balanca de cartas

Brevvåg

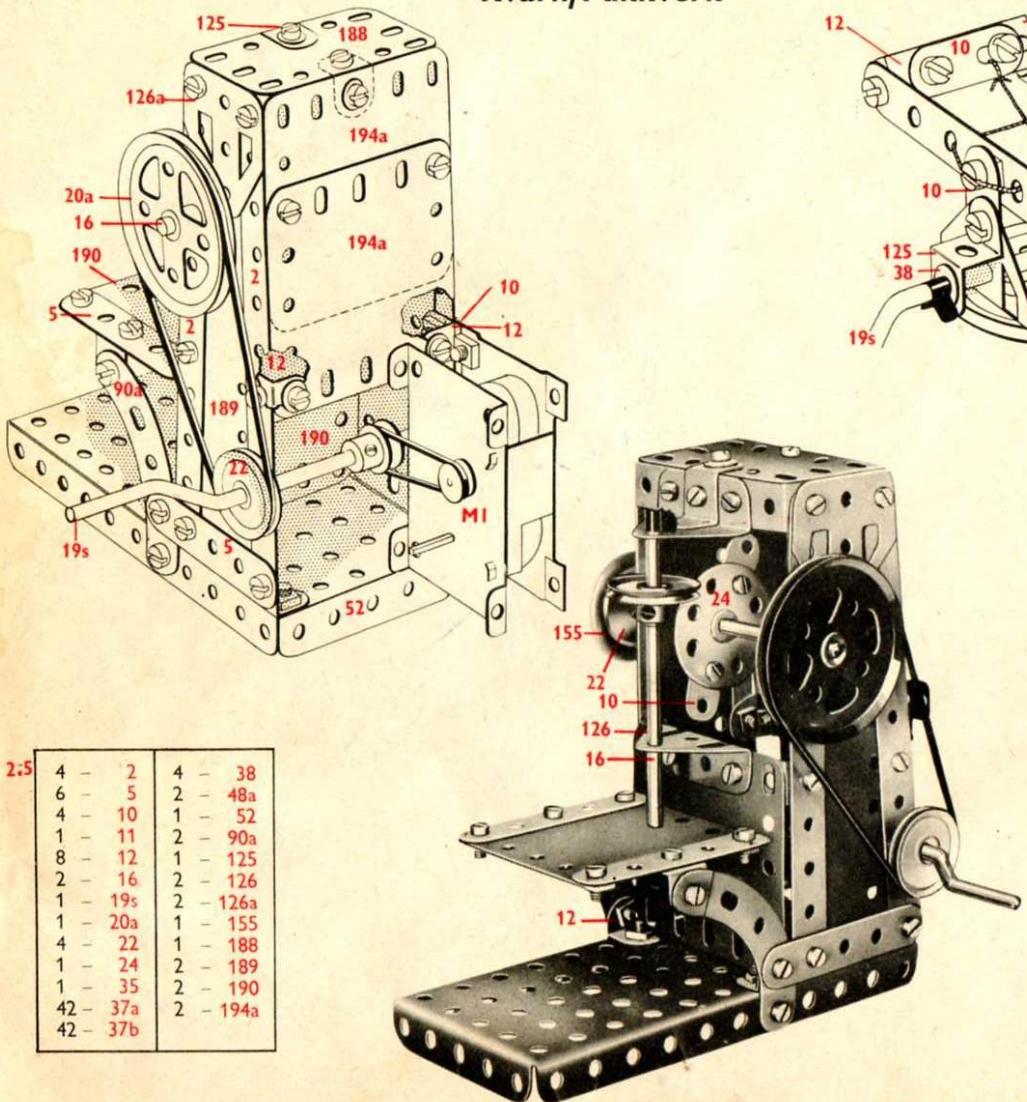
Brev-vekt



2

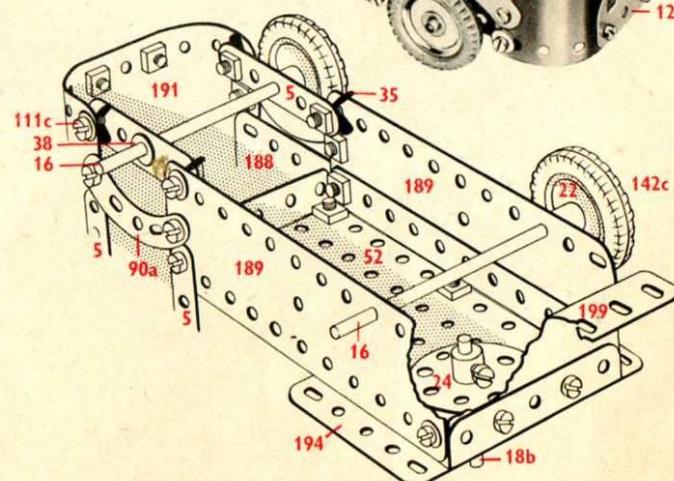
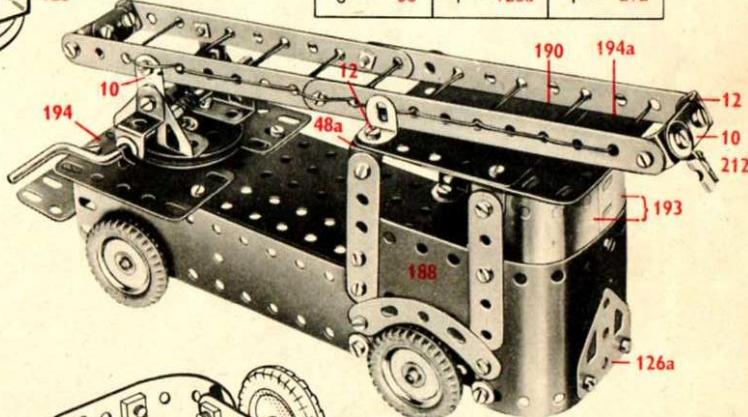
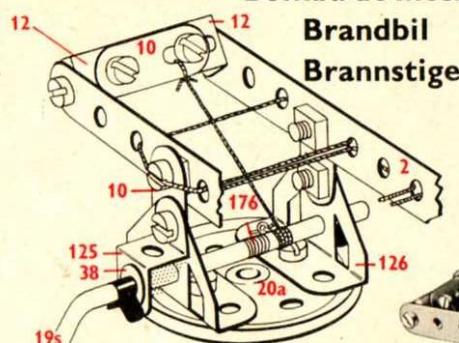
4	-	2	1	-	52
6	-	5	2	-	90a
2	-	10	1	-	111c
6	-	12	1	-	125
2	-	16	2	-	126
1	-	17	1	-	126a
1	-	20a	2	-	155
2	-	22	1	-	186
1	-	24	2	-	188
5	-	35	2	-	189
39	-	37a	1	-	190
35	-	37b	2	-	194
5	-	38	2	-	194a
1	-	40	1	-	212
2	-	48a			

2.5 Stamping Mill/Bocarte/Máquina de estampagem Kvarn/Pukkverk



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/Bomba de incendios

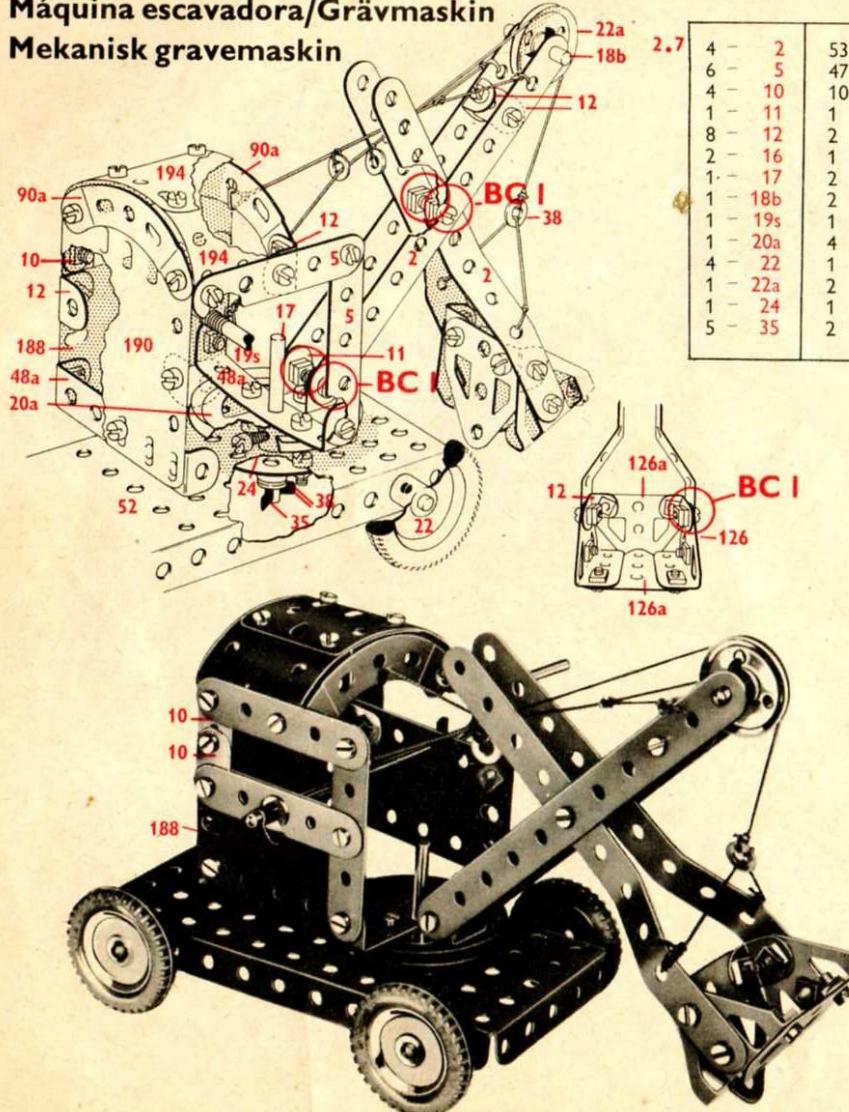


2.6	4 - 2	55 - 37a	4 - 142c
	6 - 5	47 - 37b	1 - 176
	4 - 10	9 - 38	2 - 188
	8 - 12	1 - 40	2 - 189
	2 - 16	2 - 48a	1 - 190
	1 - 18b	1 - 52	1 - 191
	1 - 19s	2 - 90a	2 - 193
	1 - 20a	4 - 111c	2 - 194
	4 - 22	1 - 125	1 - 194a
	1 - 24	2 - 126	1 - 199
	6 - 35	1 - 126a	1 - 212

2.7 Mechanical Excavator/Excava – dora mecánica

Máquina excavadora/Grävmaskin

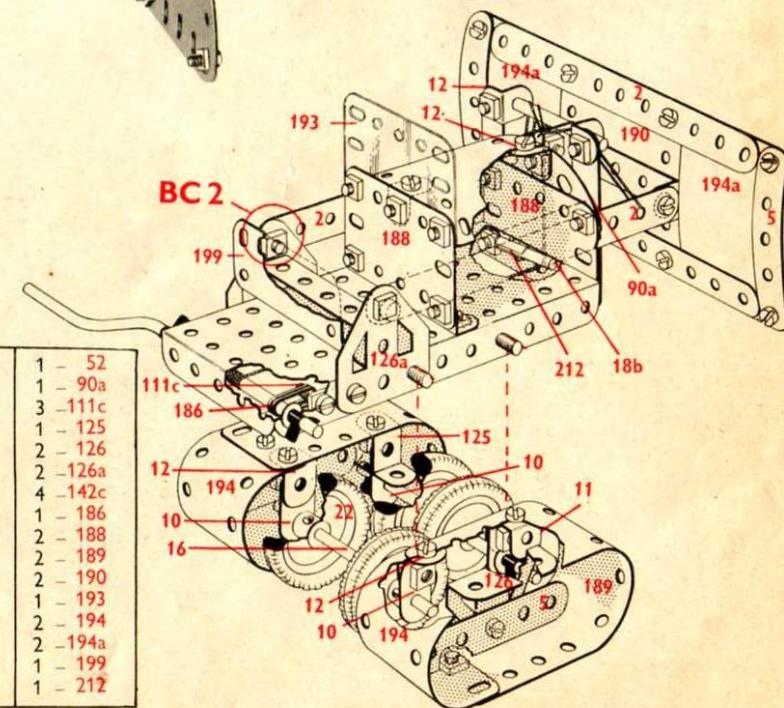
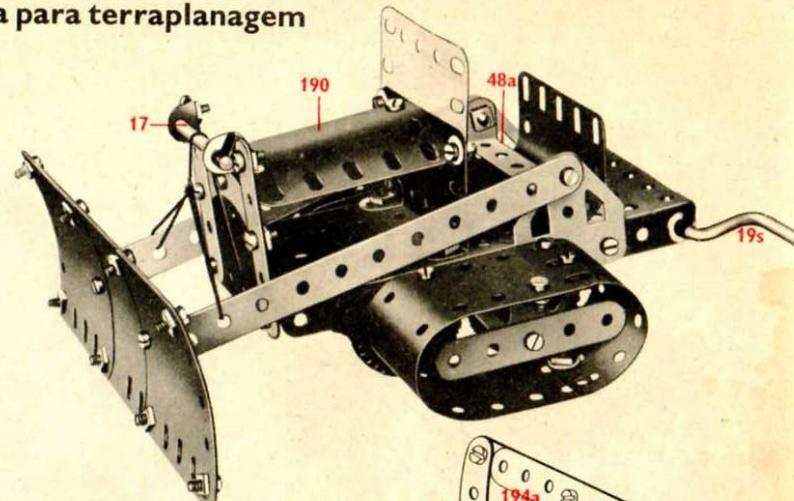
Mekanisk gravemaskin



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

Escavadora para terraplanagem

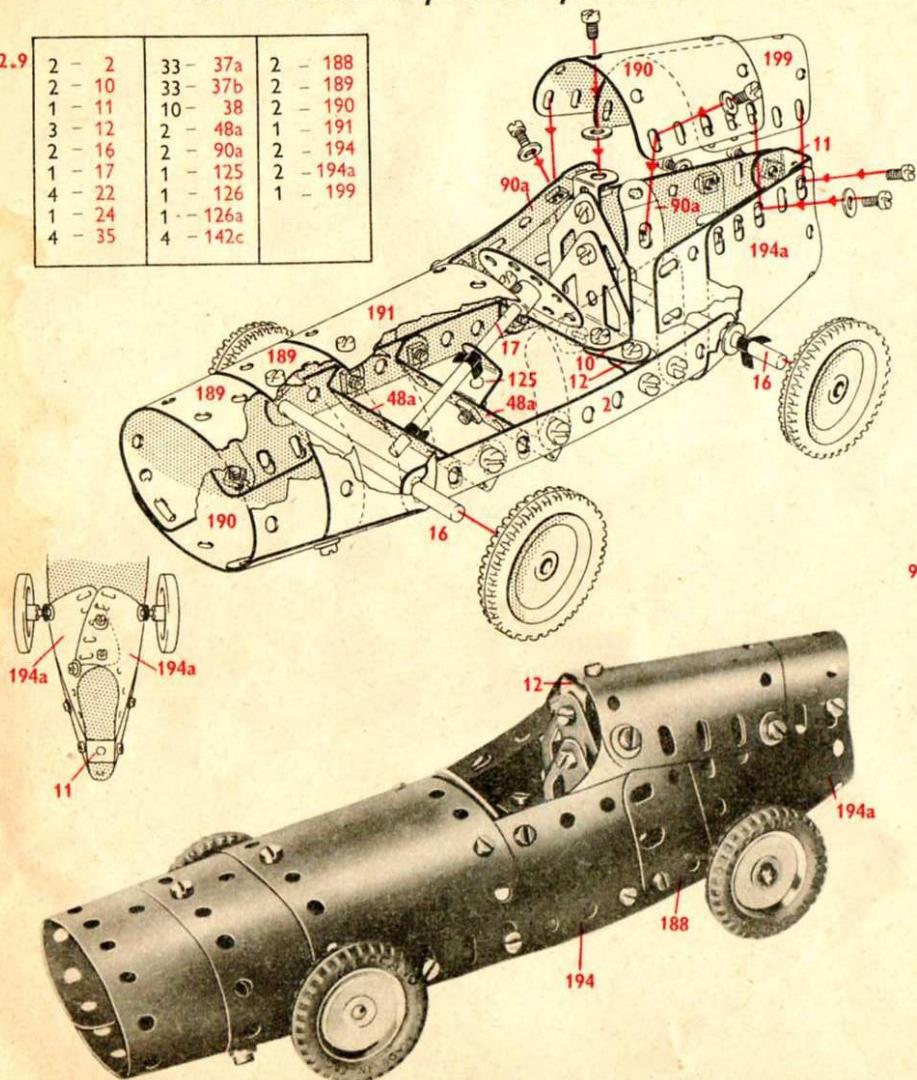


2.8	4 - 2	1 - 52
	6 - 5	1 - 90a
	4 - 10	3 - 111c
	1 - 11	1 - 125
	8 - 12	2 - 126
	2 - 16	2 - 126a
	1 - 17	4 - 142c
	1 - 18b	1 - 186
	1 - 19s	2 - 188
	4 - 22	2 - 189
	6 - 35	2 - 190
	50 - 37a	1 - 193
	45 - 37b	2 - 194
	10 - 38	2 - 194a
	1 - 40	1 - 199
	2 - 48a	1 - 212

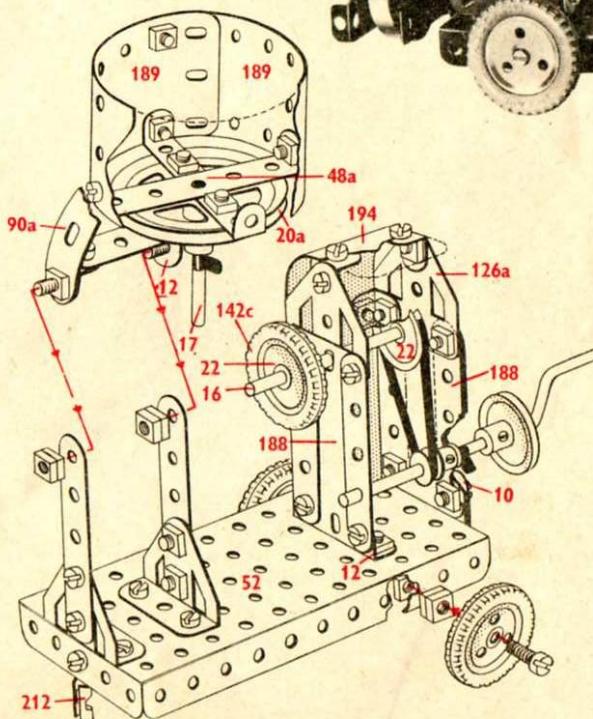
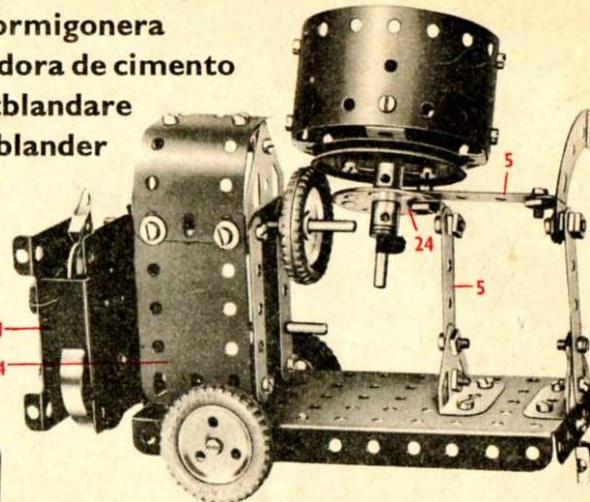
2.9 Racing Car/Automóvil de carrera

Carro de corrida/Racerbil/ Racer-bil

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 Hormigonera Misturadora de cimento Cementblandare Sementblander



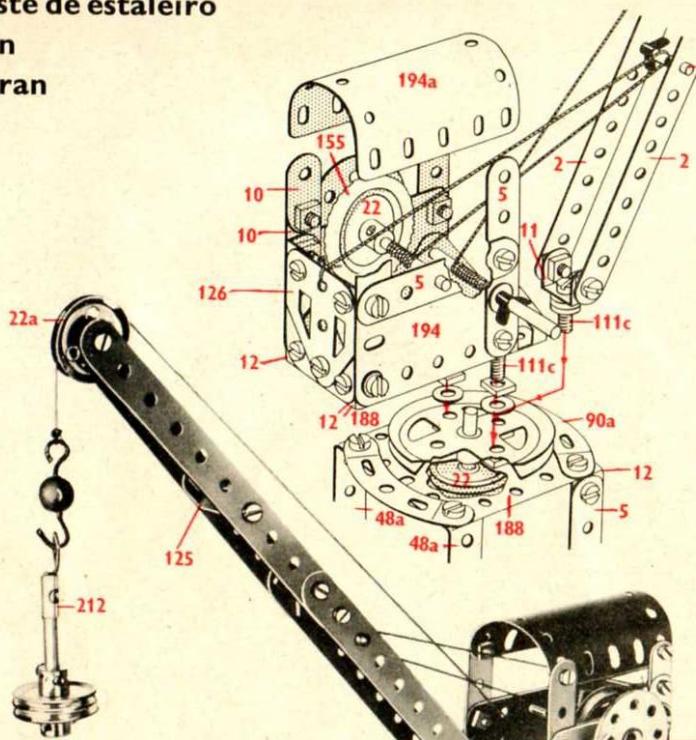
2.10	6 - 5	12 - 38
	2 - 10	2 - 48a
	8 - 12	1 - 52
	1 - 16	1 - 90a
	1 - 17	3 - 111c
	1 - 19s	2 - 126
	1 - 20a	2 - 126a
	3 - 22	3 - 142c
	2 - 22a	1 - 186
	1 - 24	2 - 188
	3 - 35	2 - 189
	46 - 37a	2 - 194
	36 - 37b	1 - 212

2.11 Shipyard Crane/Grúa de astillero

Guindaste de estaleiro

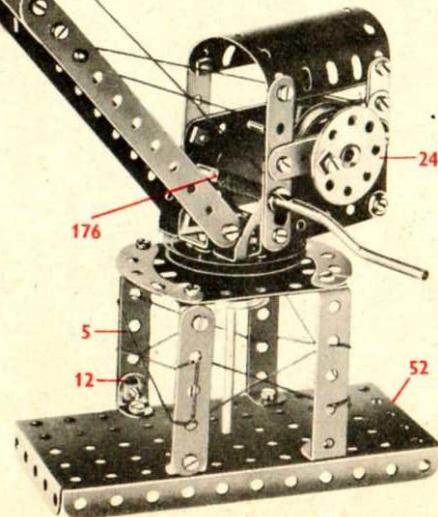
Lyftkran

Verftskran



2.11

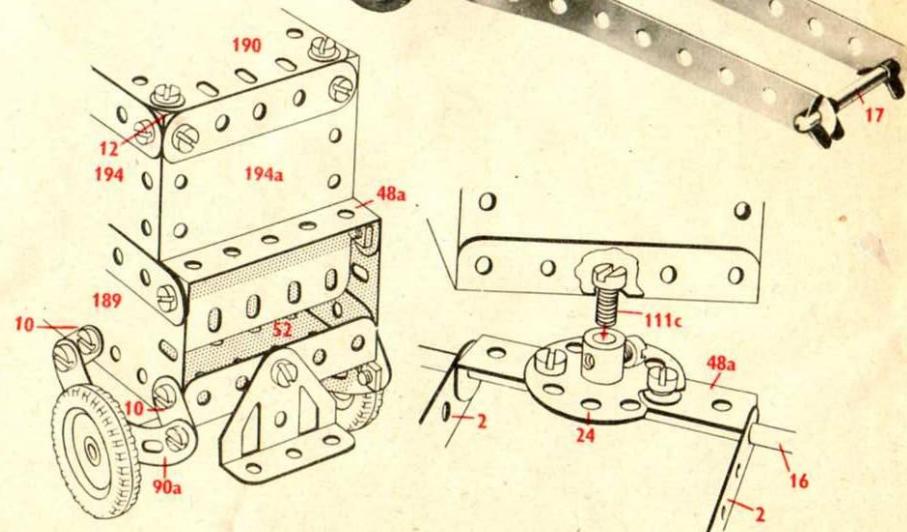
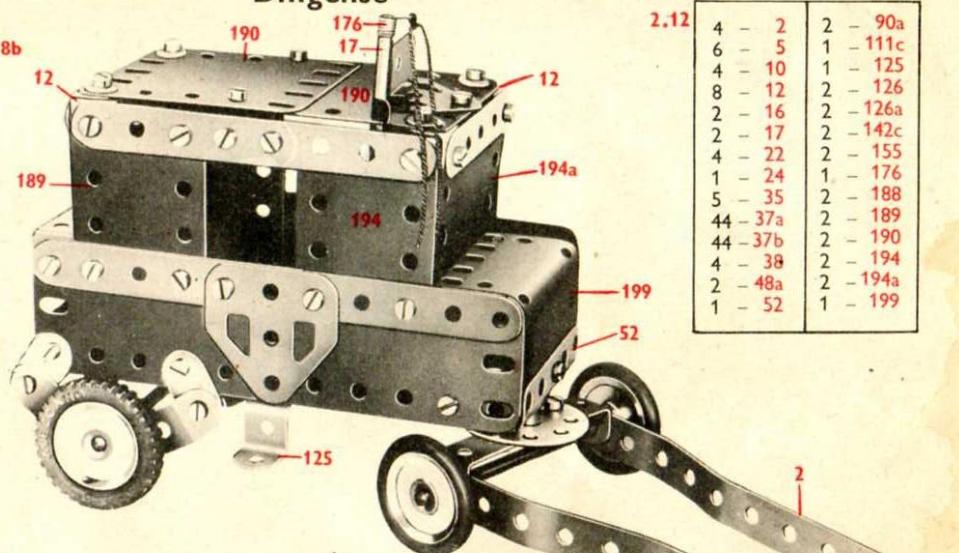
4 - 2	1 - 22a	4 - 111c
6 - 5	1 - 24	1 - 125
4 - 10	4 - 35	2 - 126
1 - 11	51 - 37a	2 - 126a
8 - 12	40 - 37b	1 - 155
1 - 16	7 - 38	1 - 176
2 - 17	1 - 40	2 - 188
1 - 18b	2 - 48a	2 - 194
1 - 19s	1 - 52	1 - 194a
1 - 20a	1 - 57c	1 - 212
4 - 22	2 - 90a	



2.12 Stage Coach/Diligencia/Diligência/Diligens

Diligense

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 - 35	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

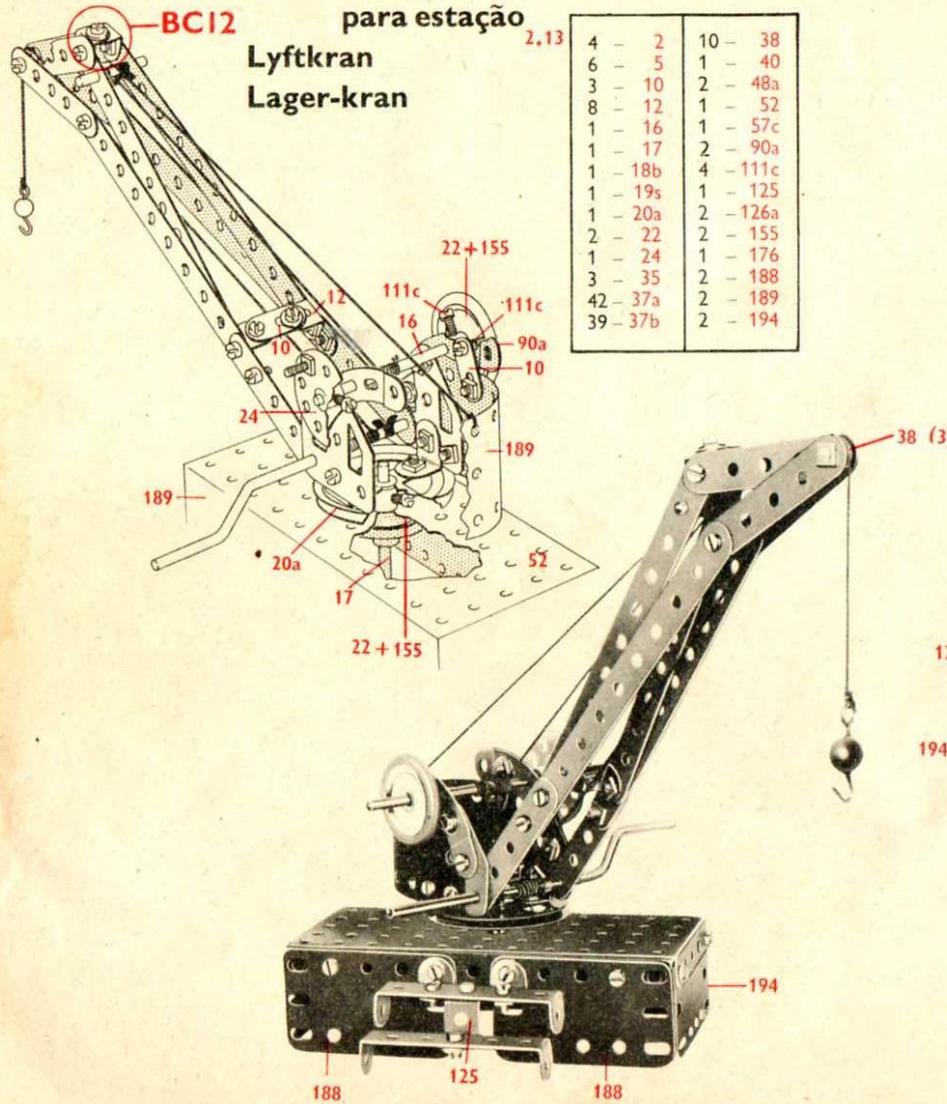


2.13 Goods Yard Crane/Grúa depósito de mercancías

Guindaste de carga

para estação

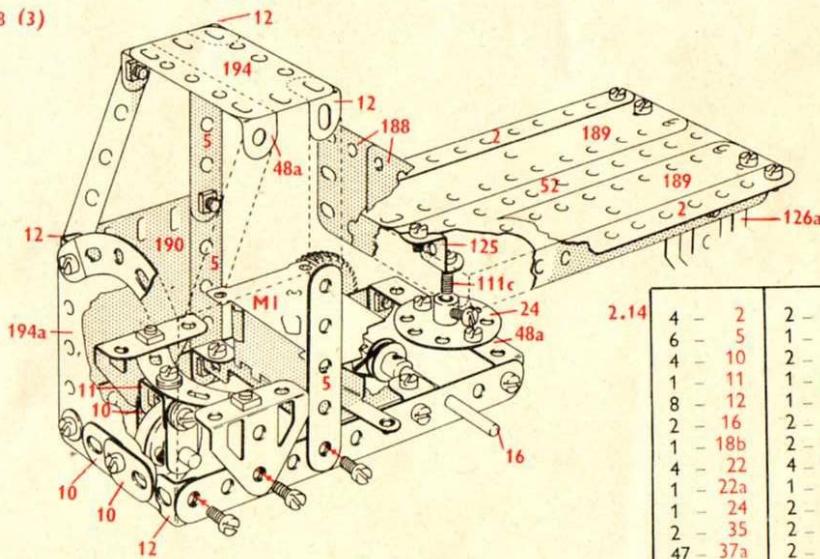
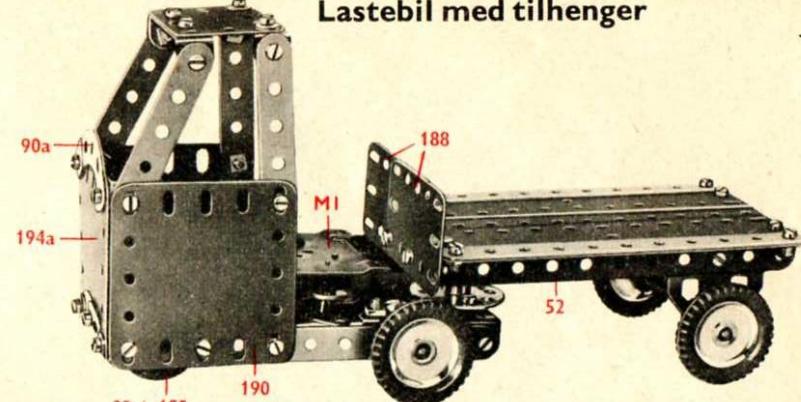
Lyftkran Lager-kran



2.14 Articulated Lorry/Camión articulado

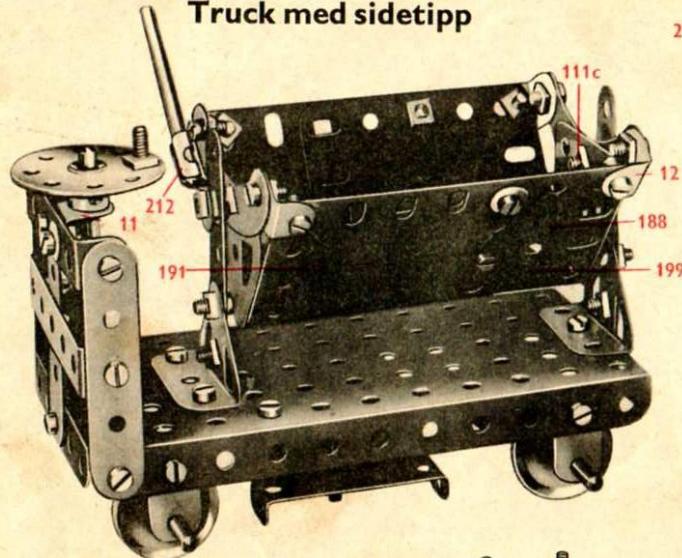
Camião articulado/Semitrailer

Lastebil med tilhenger

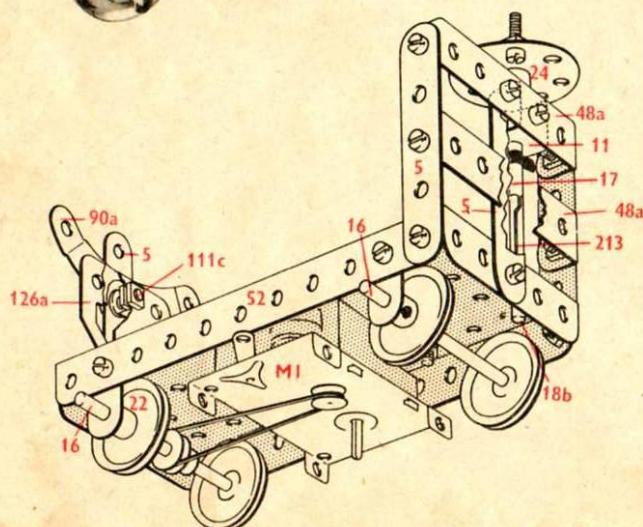


4	-	2	2	-	48a
6	-	5	1	-	52
4	-	10	2	-	90a
1	-	11	1	-	111c
8	-	12	1	-	125
2	-	16	2	-	126
1	-	18b	2	-	126a
4	-	22	4	-	142c
1	-	22a	1	-	155
1	-	24	2	-	188
2	-	35	2	-	189
47	-	37a	2	-	190
46	-	37b	1	-	194
10	-	38	1	-	194a

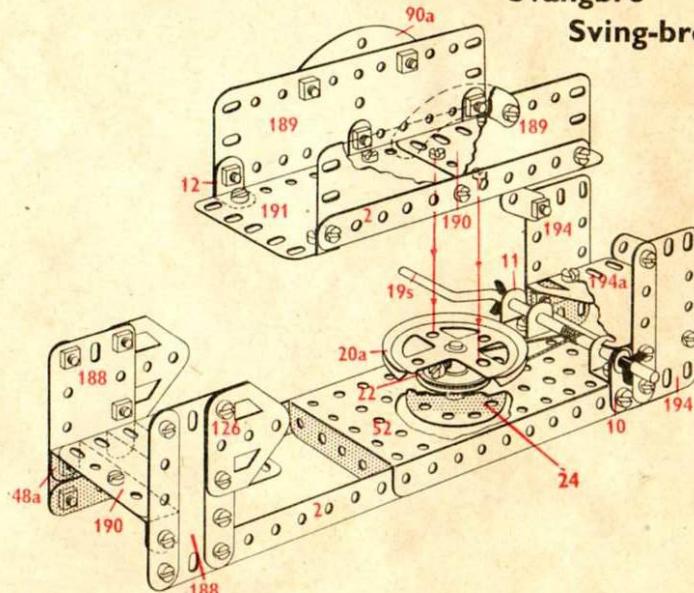
**2.15 Side-tipping Truck/Vagoneta de volquete
Vagão basculante/Tipptruck
Truck med sidetipp**



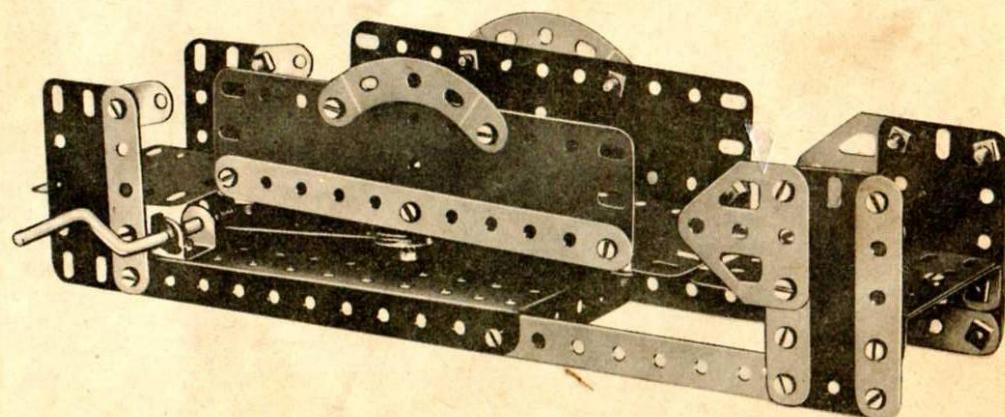
2.15	5	-	5
	4	-	10
	1	-	11
	4	-	12
	2	-	16
	2	-	17
	1	-	18b
12	4	-	22
	1	-	24
38	1	-	35
	38	-	37a
199	32	-	37b
	5	-	38
	2	-	48a
	1	-	52
	2	-	90a
	3	-	111c
	2	-	126
	2	-	126a
	2	-	188
	1	-	191
	1	-	199
	1	-	212
	1	-	213



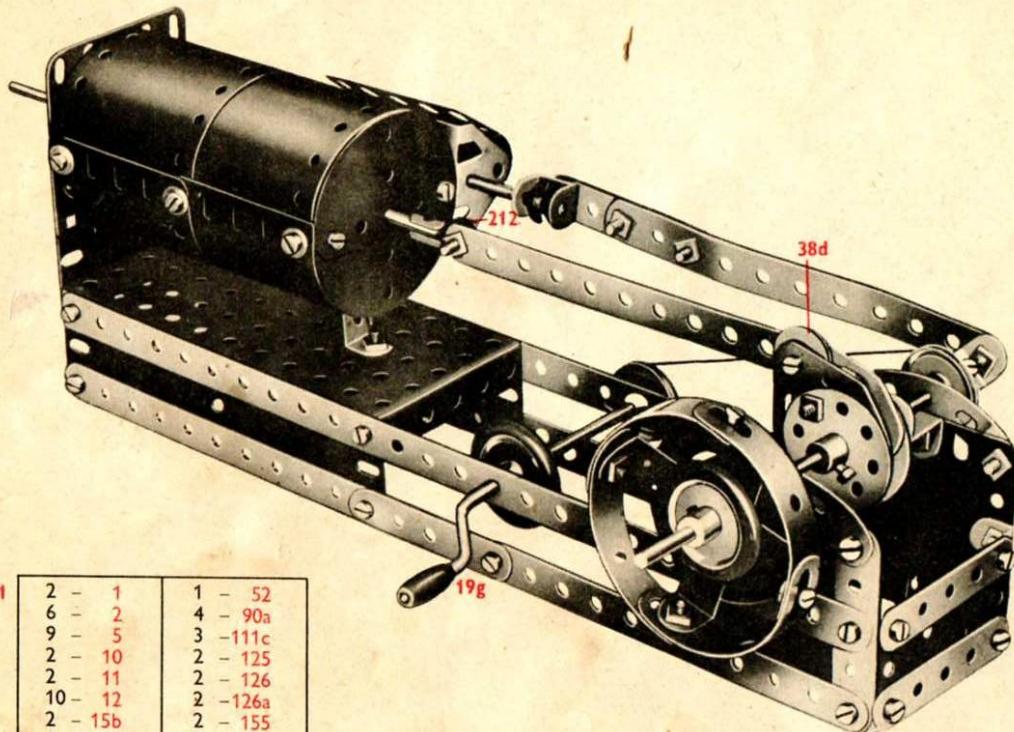
2.16 Swing Bridge/Puente giratorio Ponte giratória Svängbro Sving-bro



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

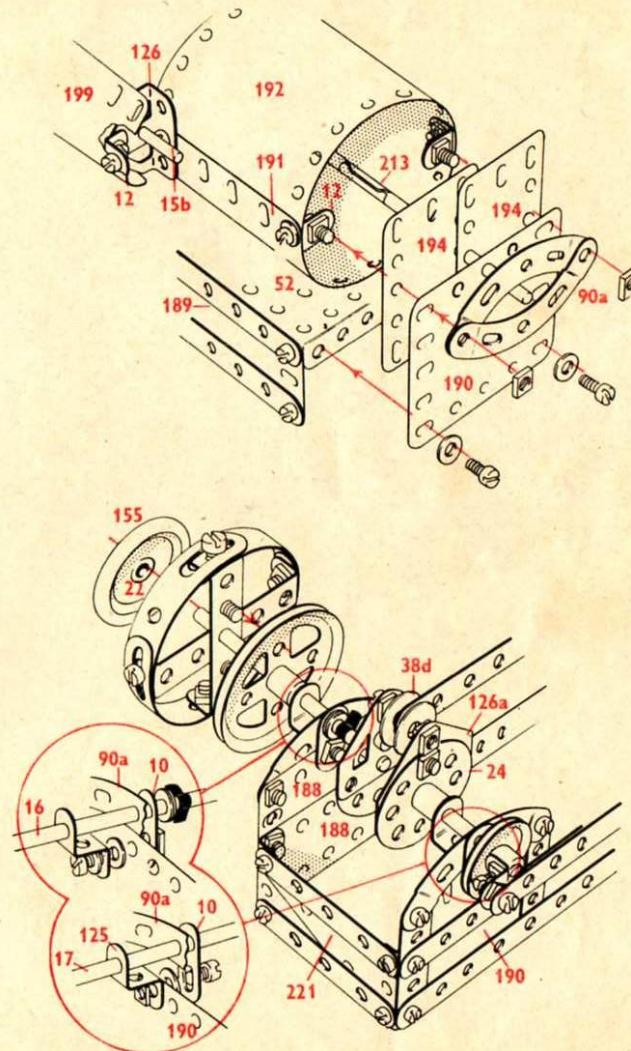


**3.1 Horizontal Steam Engine/ Máquina horizontal a vapor
Ångmaskin/ Horizontal dampmaskin**

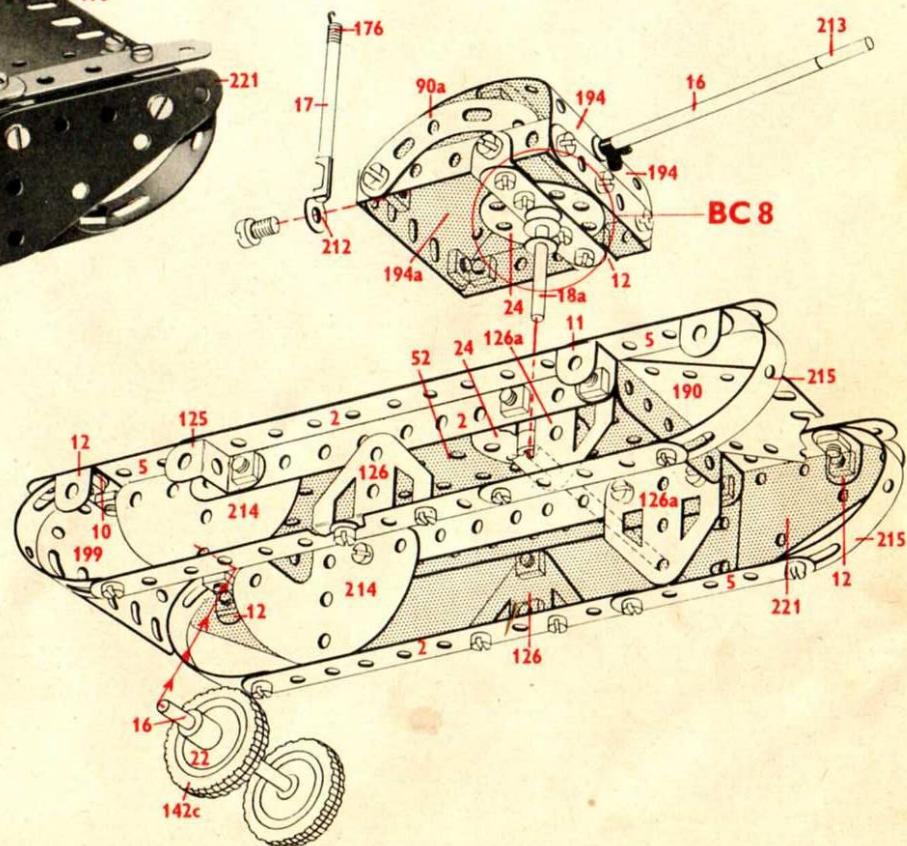
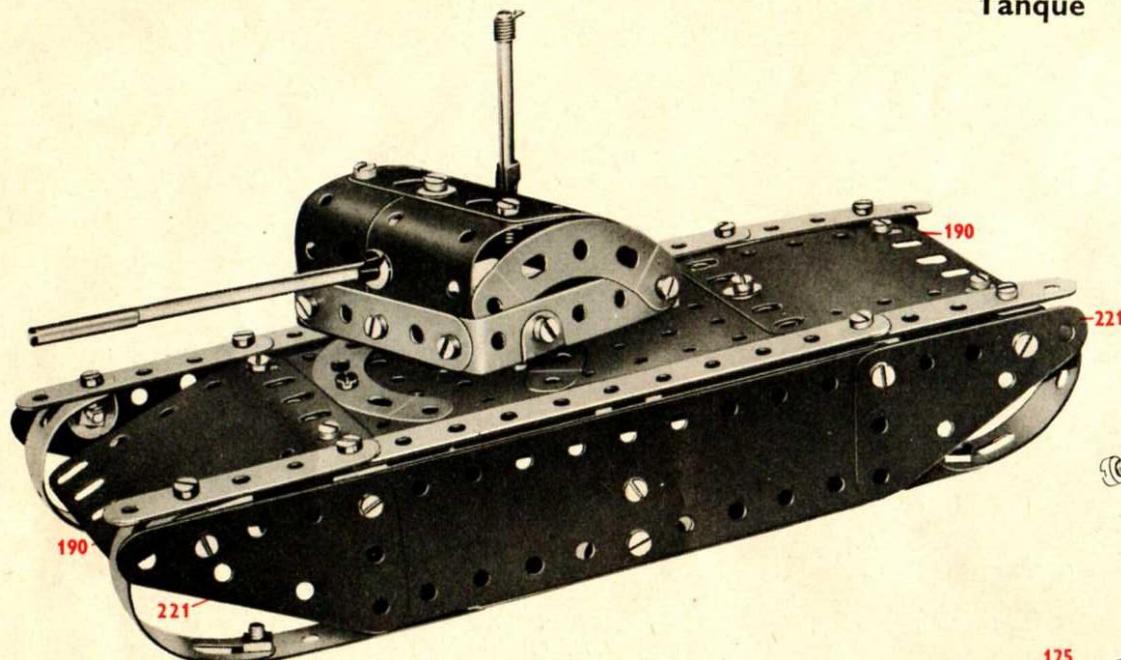


3.1

2 -	1	1 -	52
6 -	2	4 -	90a
9 -	5	3 -	111c
2 -	10	2 -	125
2 -	11	2 -	126
10 -	12	2 -	126a
2 -	15b	2 -	155
2 -	16	2 -	188
1 -	17	2 -	189
1 -	19g	2 -	190
1 -	20a	2 -	191
4 -	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		

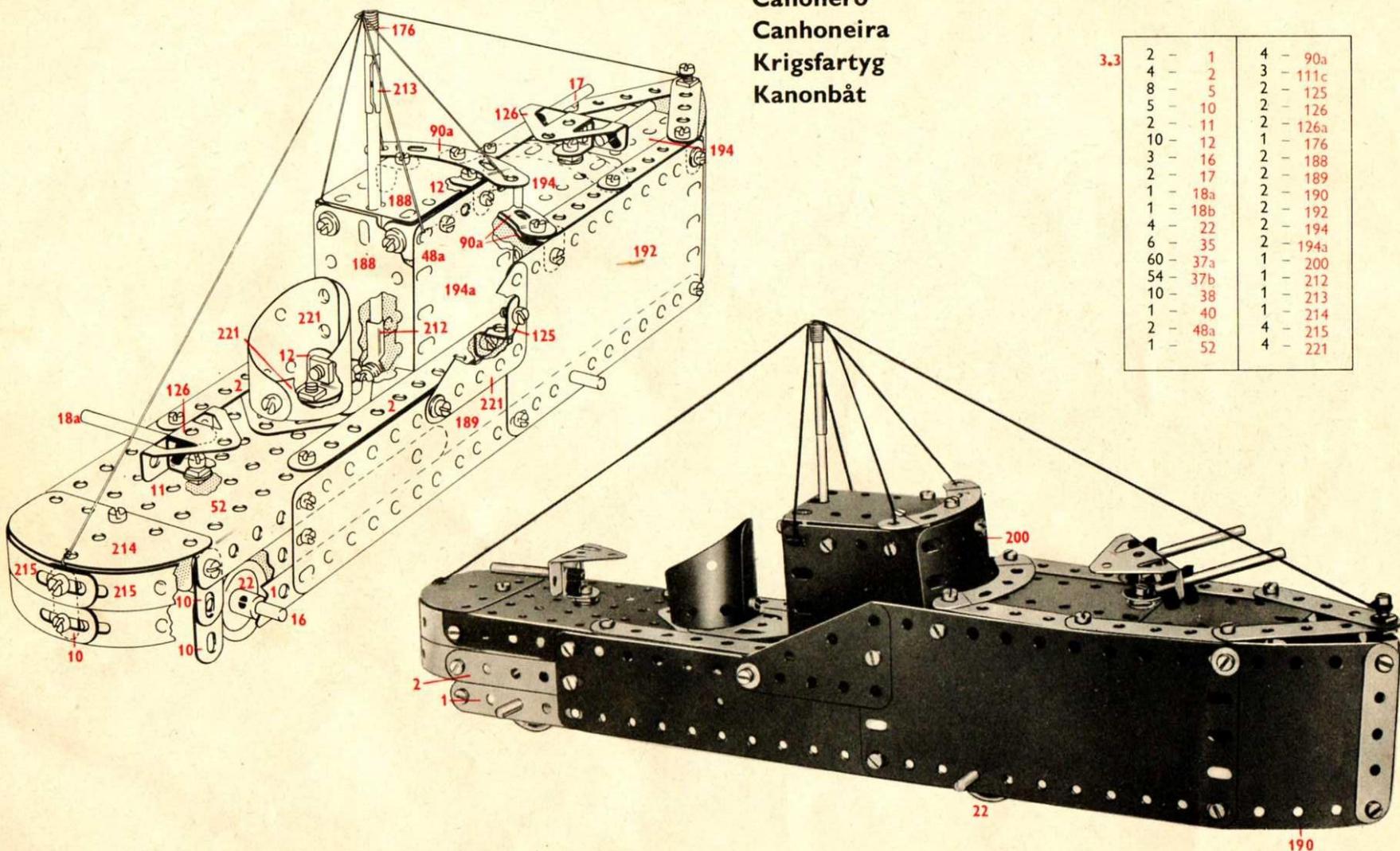


3.2 Tank Tanque

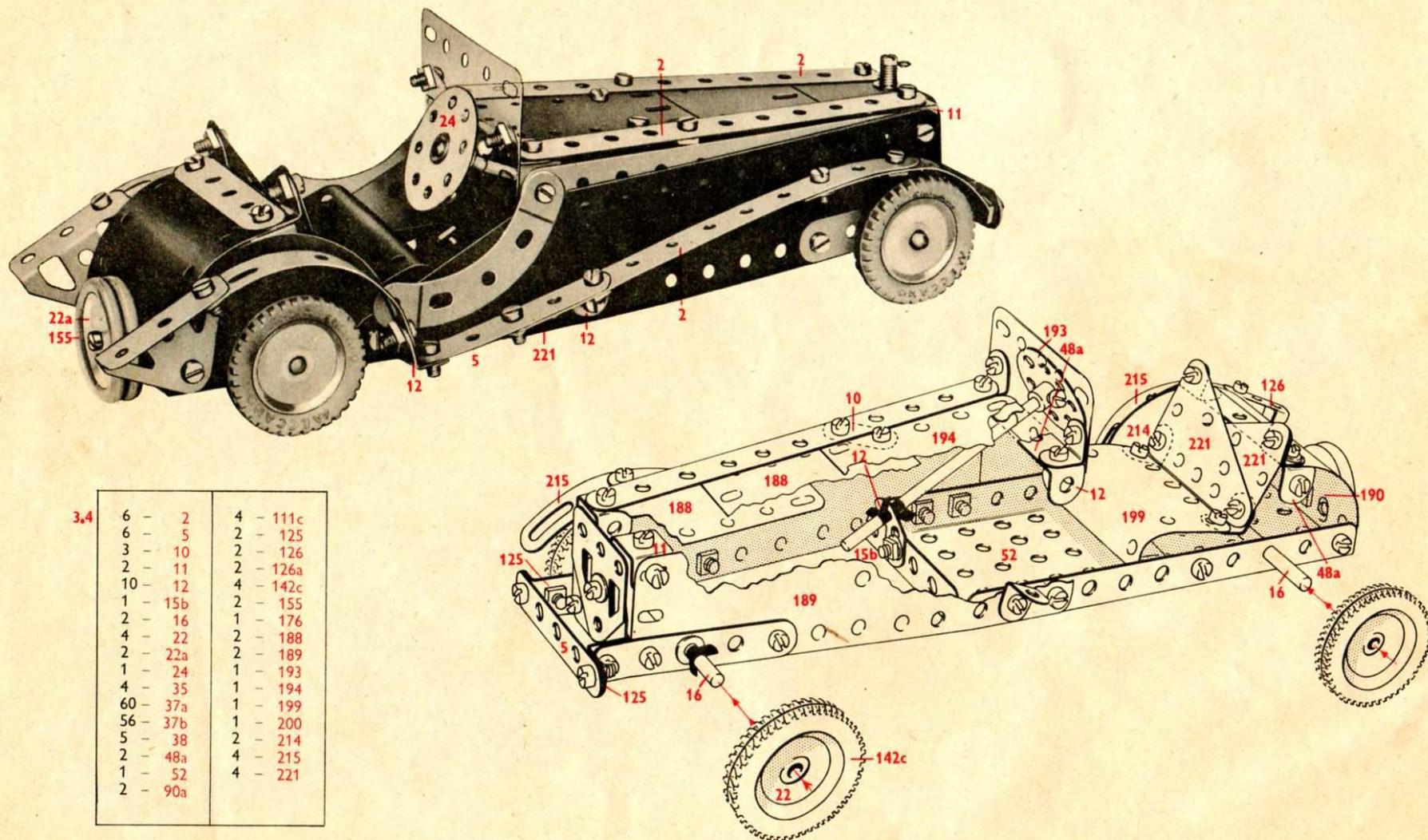


3.2	6 - 2	59 - 37a	2 - 189
	9 - 5	56 - 37b	2 - 190
	3 - 10	8 - 38	2 - 194
	2 - 11	2 - 48a	1 - 194a
	8 - 12	1 - 52	1 - 199
	3 - 16	4 - 90a	1 - 212
	1 - 17	3 - 111c	1 - 213
	1 - 18a	2 - 125	2 - 214
	4 - 22	2 - 126	4 - 215
	1 - 23	2 - 126a	4 - 221
	2 - 24	4 - 142c	
	2 - 35	1 - 176	

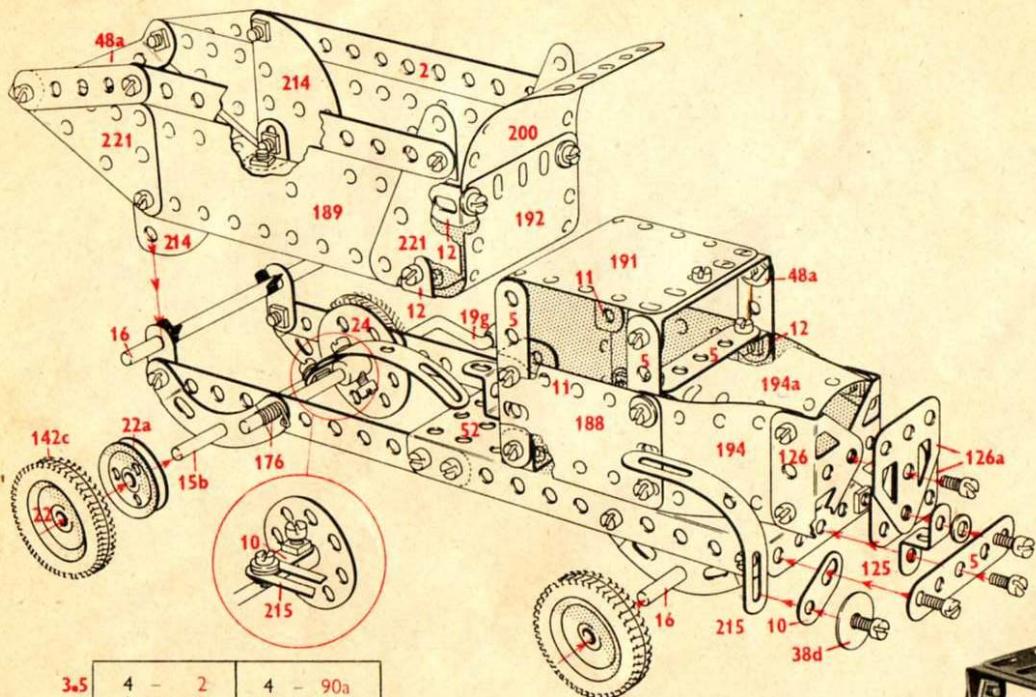
**3.3 Gun Boat
Cañonero
Canhoneira
Krigsfartyg
Kanonbåt**



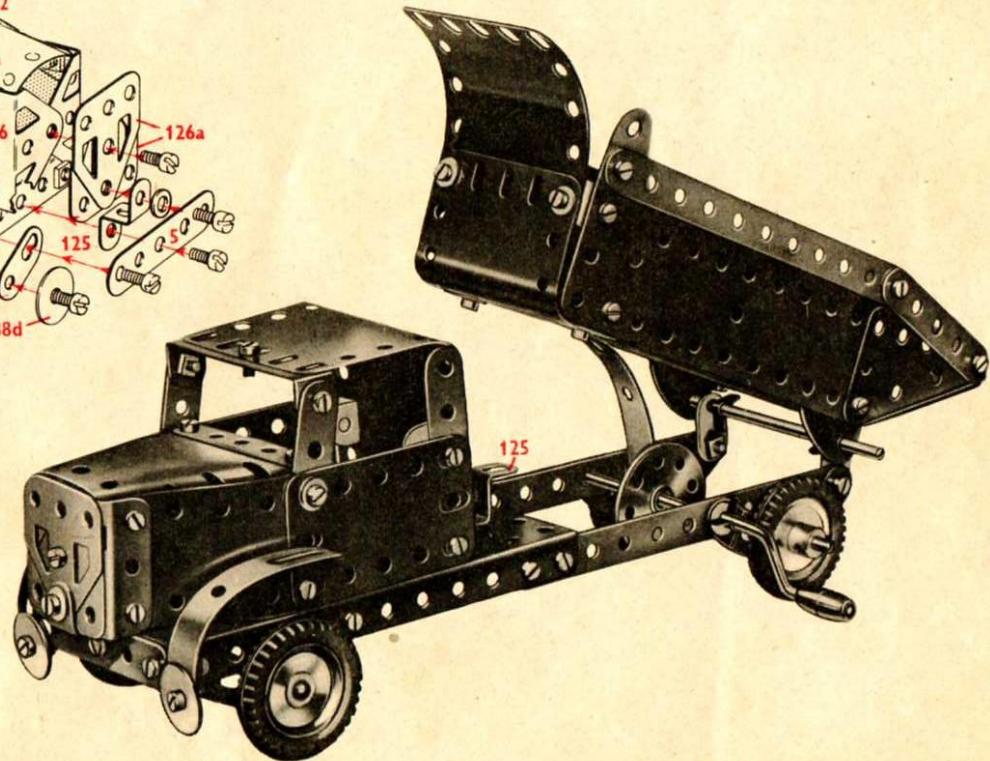
**3.4 Sports Car/Automóvil deportivo
Carro de "sport"/Sportbil/Sportsbil**



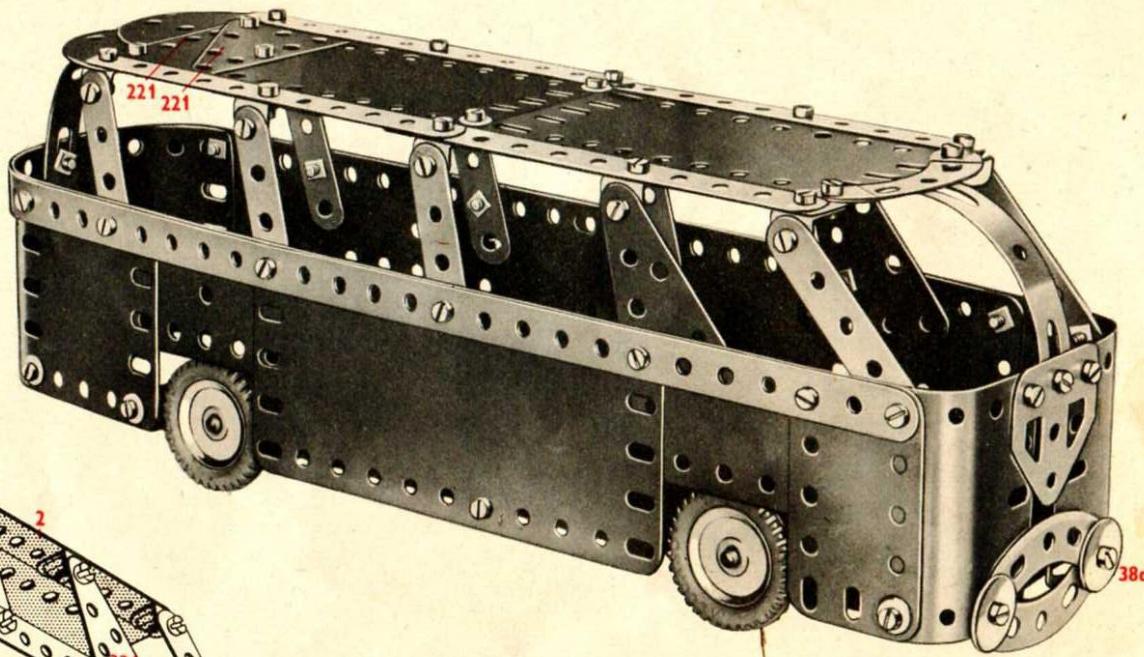
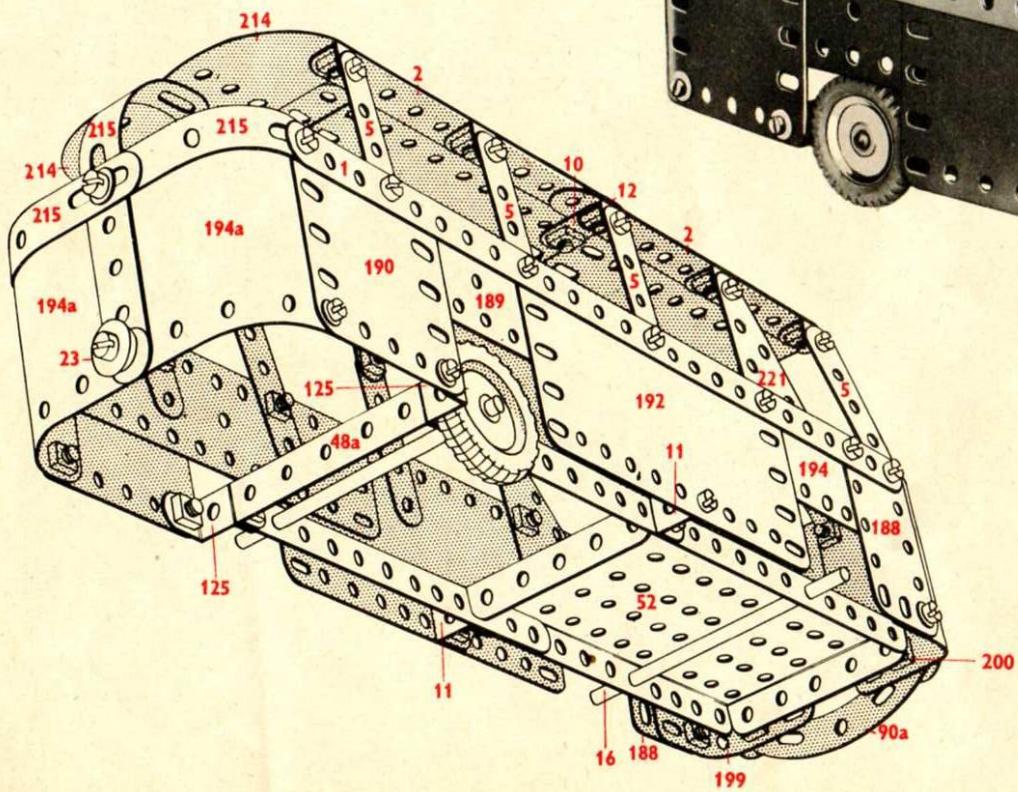
3.5 Dumper Truck
Camión volcador
Camião basculante
Truck
Renovasjonsbil



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 - 19g	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 - 200
	2 - 38d	2 - 214
	2 - 48a	3 - 215
	1 - 52	4 - 221

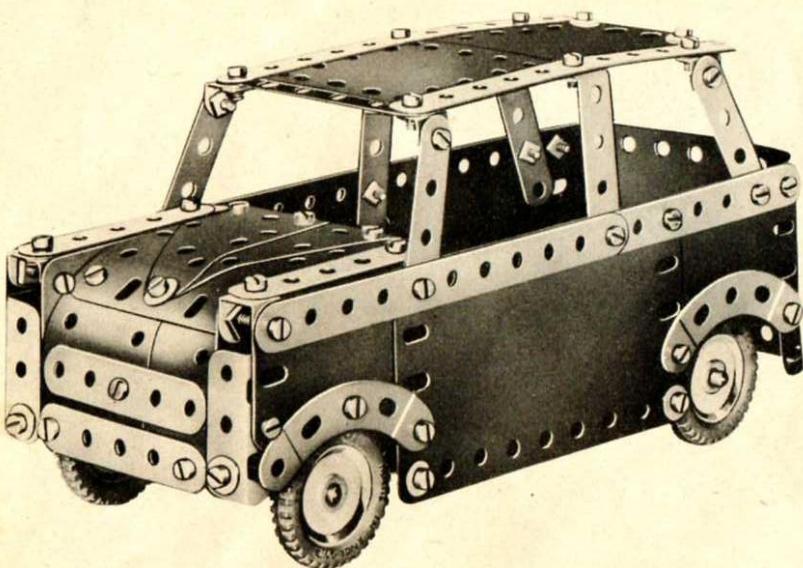


3.6 Observation Coach
Coche observatorio
Auto-carro de passeio
Turistbuss
Utkikksvogn

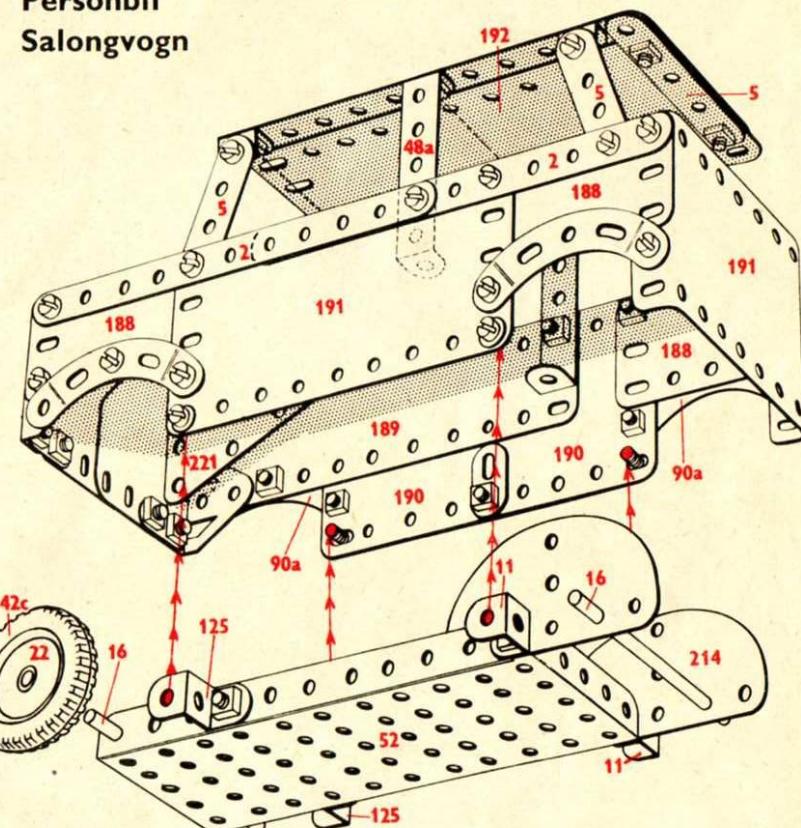
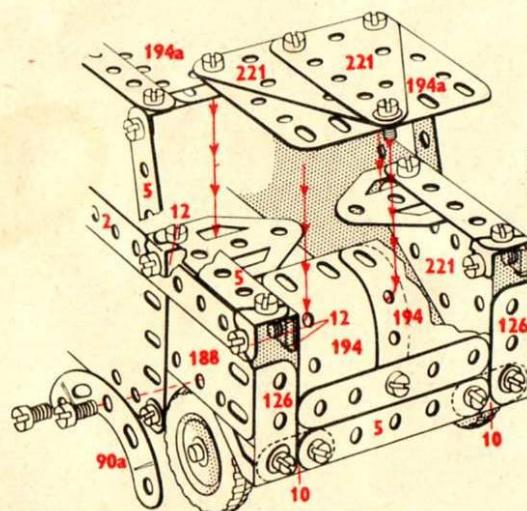


3.6	2 -	1	4 -	111c
	6 -	2	2 -	125
	9 -	5	1 -	126a
	4 -	10	4 -	142c
	2 -	11	2 -	188
	10 -	12	2 -	189
	2 -	16	2 -	190
	4 -	22	2 -	191
	1 -	23	2 -	192
	60 -	37a	2 -	194
	56 -	37b	2 -	194a
	10 -	38	1 -	199
	2 -	38d	1 -	200
	1 -	48a	2 -	214
	1 -	52	2 -	215
	3 -	90a	4 -	221

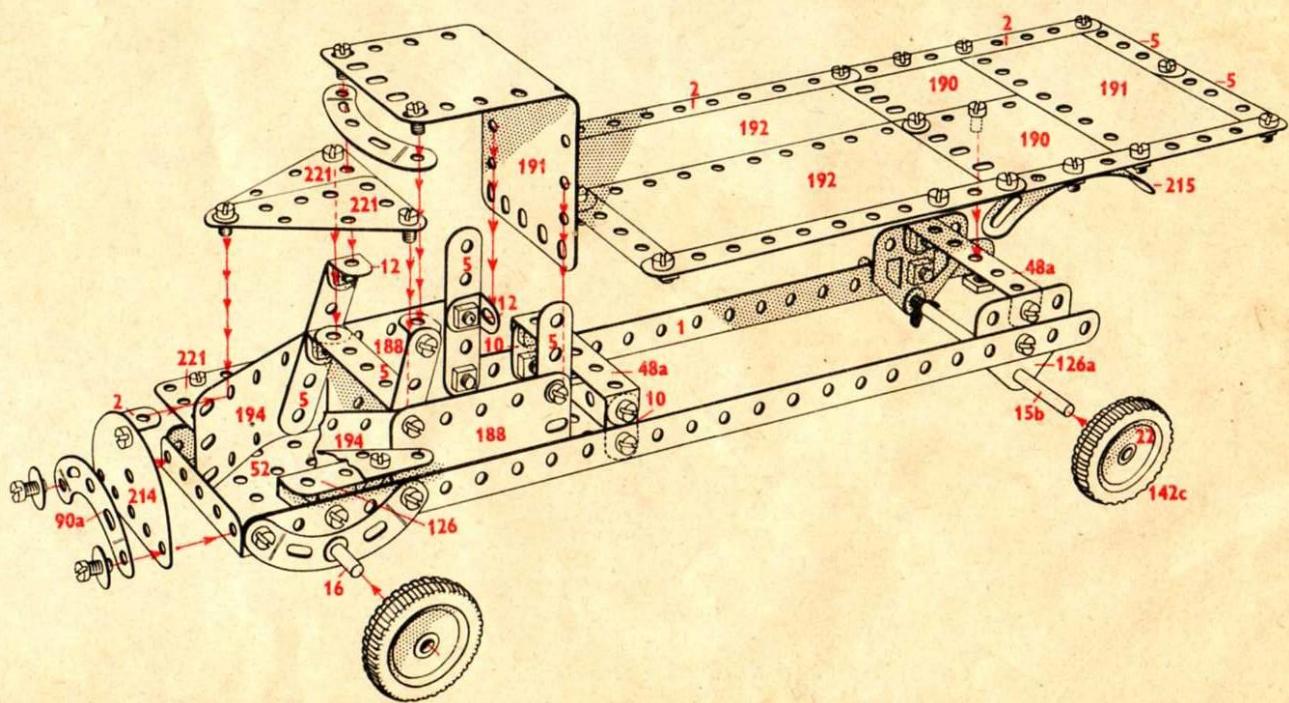
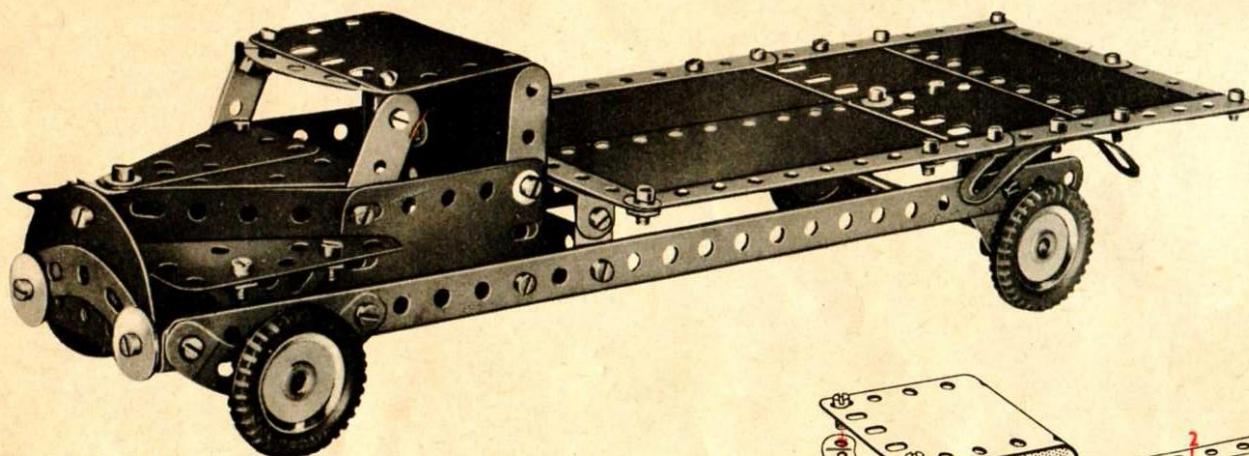
**3.7 Saloon Car/Coche salón
Carro fechado
Personbil
Salongvogn**



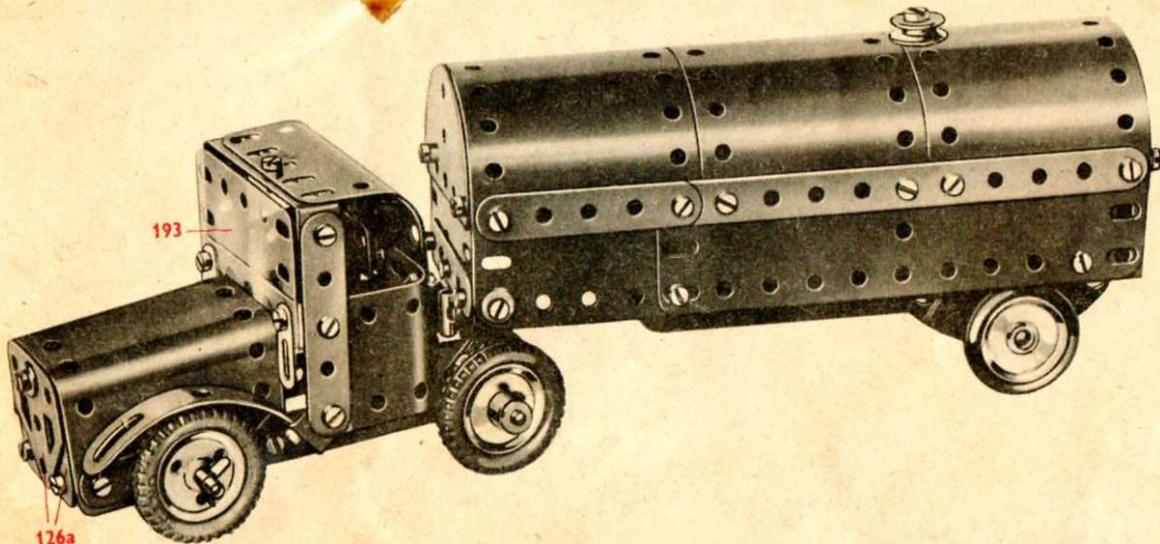
3.7	6 - 2	2 - 125
	9 - 5	2 - 126
	3 - 10	2 - 126a
	2 - 11	4 - 142c
	10 - 12	2 - 188
	2 - 16	2 - 189
	4 - 22	2 - 190
	60 - 37a	2 - 191
	56 - 37b	2 - 192
	9 - 38	2 - 194
	2 - 48a	2 - 194a
	1 - 52	2 - 214
	4 - 90a	4 - 221
	4 - 111c	



3.8 Motor Lorry/Camión/Camião/Lastbil/ Motorvogn



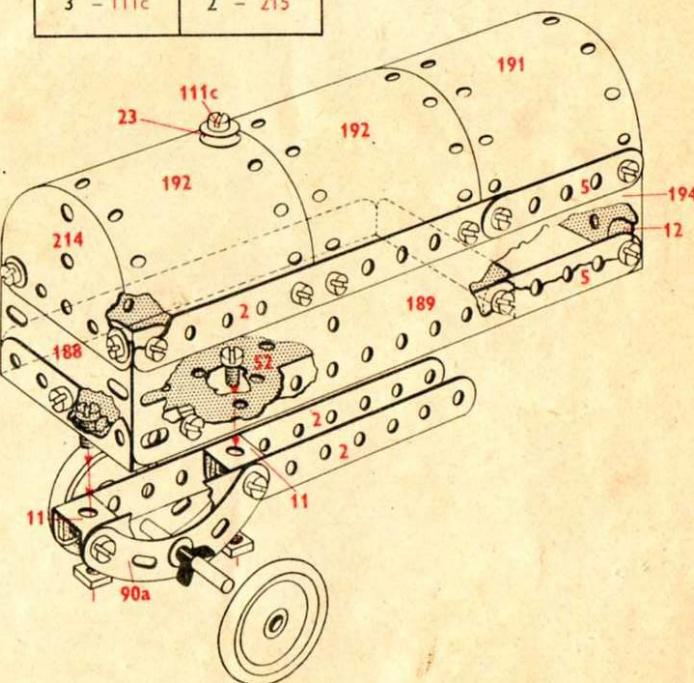
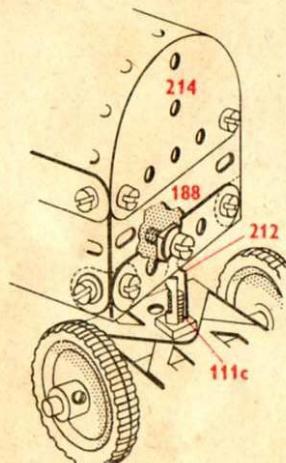
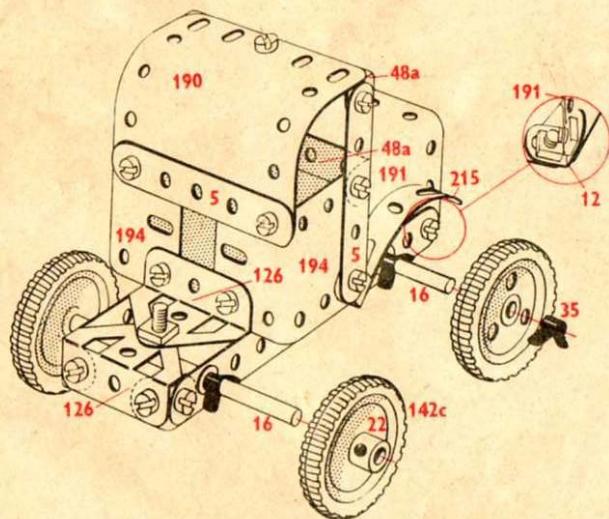
3.8	2 - 1	1 - 52
	4 - 2	4 - 90a
	9 - 5	2 - 126
	2 - 10	2 - 126a
	7 - 12	4 - 142c
	1 - 15b	2 - 188
	1 - 16	2 - 190
	4 - 22	2 - 191
	2 - 35	2 - 192
	53 - 37a	2 - 194
	53 - 37b	1 - 214
	8 - 38	2 - 215
	2 - 38d	4 - 221
	2 - 48a	



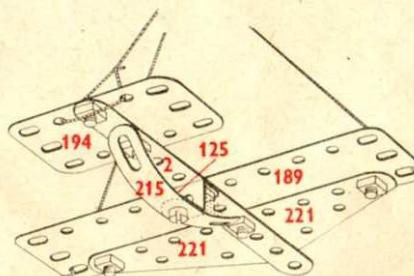
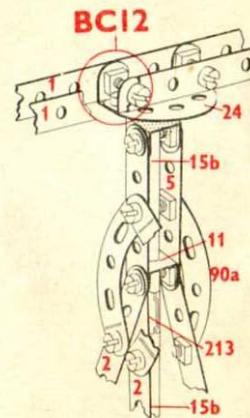
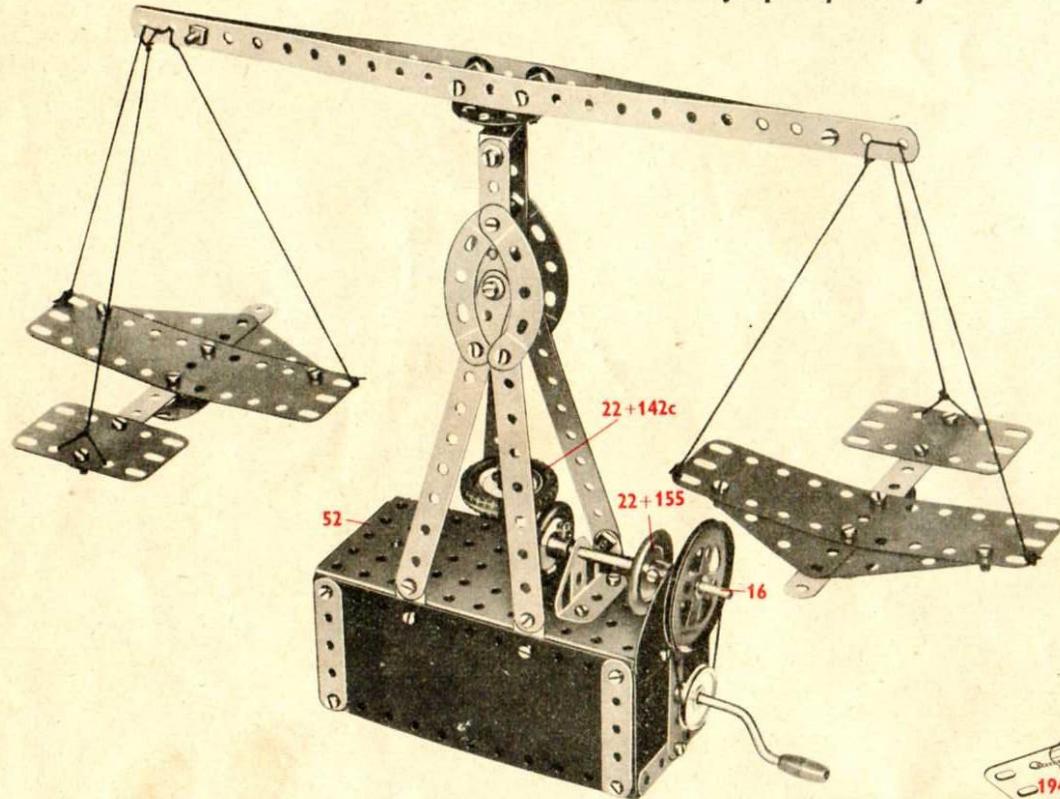
3.9

Articulated Petrol Tanker/Tanque de
gasolina articulado
Carro tanque articulado
para gasolina
Bensinbil, semitrailer
Bensinbil med tilhenger

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/Aviones de propulsión
Aviões de jacto giratorios para feiras
Roterande jetplan/Jet-fly**

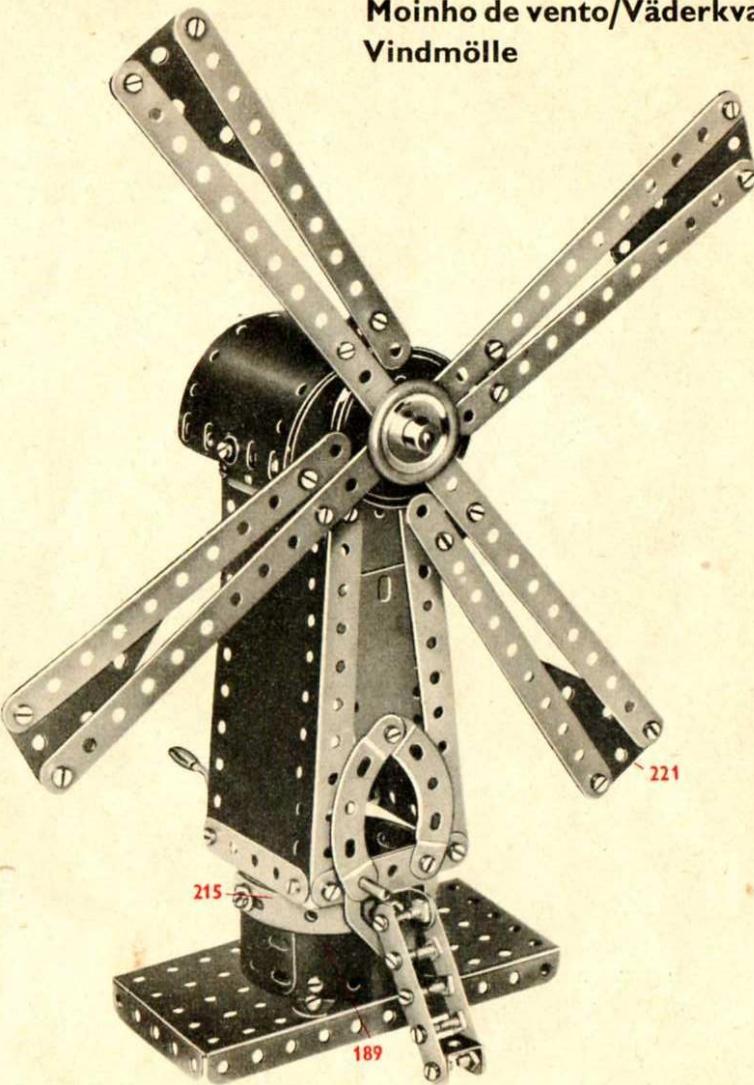
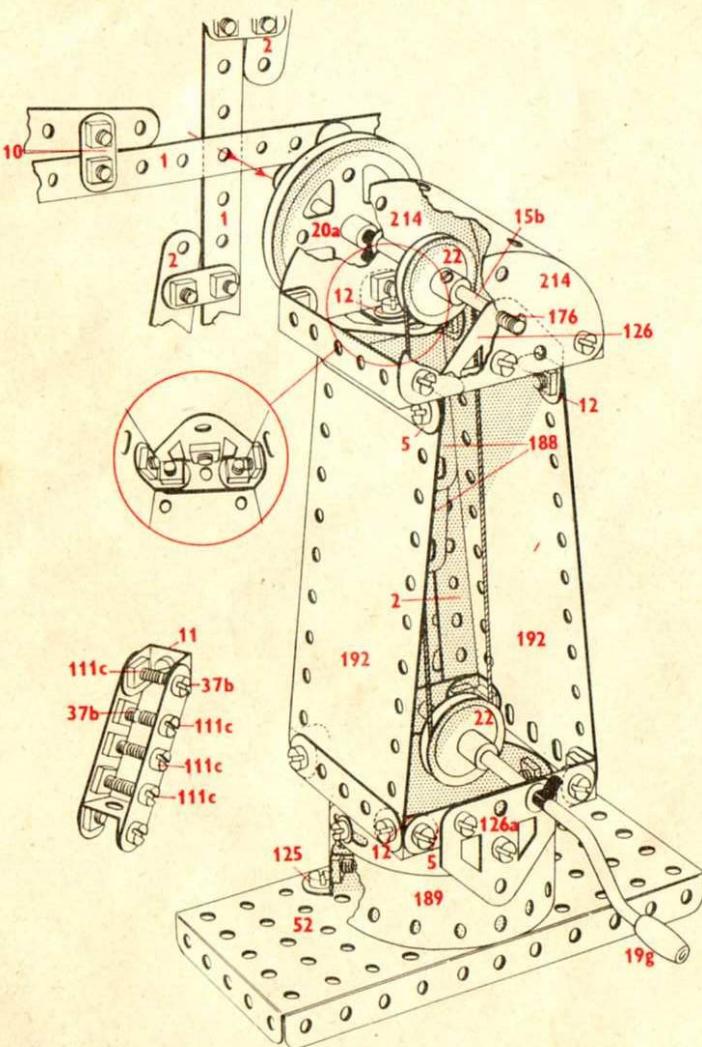


3.10	2 -	1
6 -	2	
9 -	5	
4 -	10	
2 -	11	
4 -	12	
2 -	15b	
1 -	16	
1 -	19g	
1 -	20a	
4 -	22	
2 -	24	
60 -	37a	
56 -	37b	
6 -	38	
1 -	40	
2 -	48a	
1 -	52	
4 -	90a	
4 -	111c	
2 -	125	
2 -	126	
1 -	142c	
2 -	155	
2 -	188	
2 -	189	
1 -	190	
2 -	192	
2 -	194	
1 -	213	
1 -	214	
2 -	215	
4 -	221	

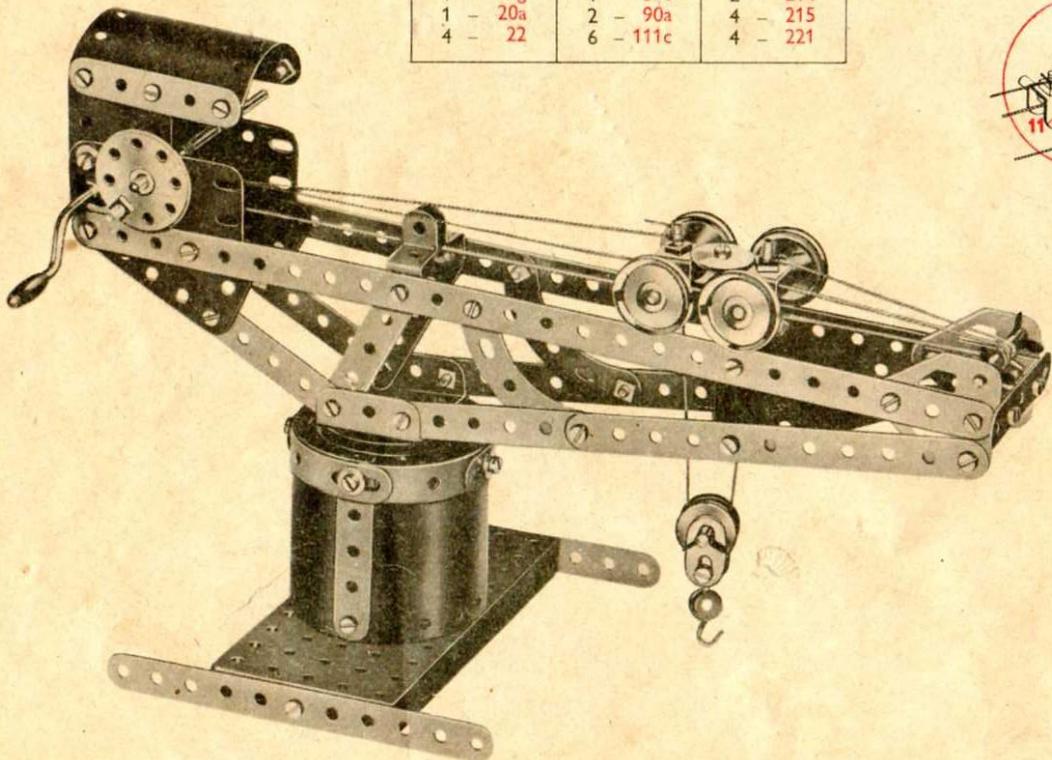
3.11 Windmill/ Molino de viento Moinho de vento/Väderkvarn Vindmölle

3.11

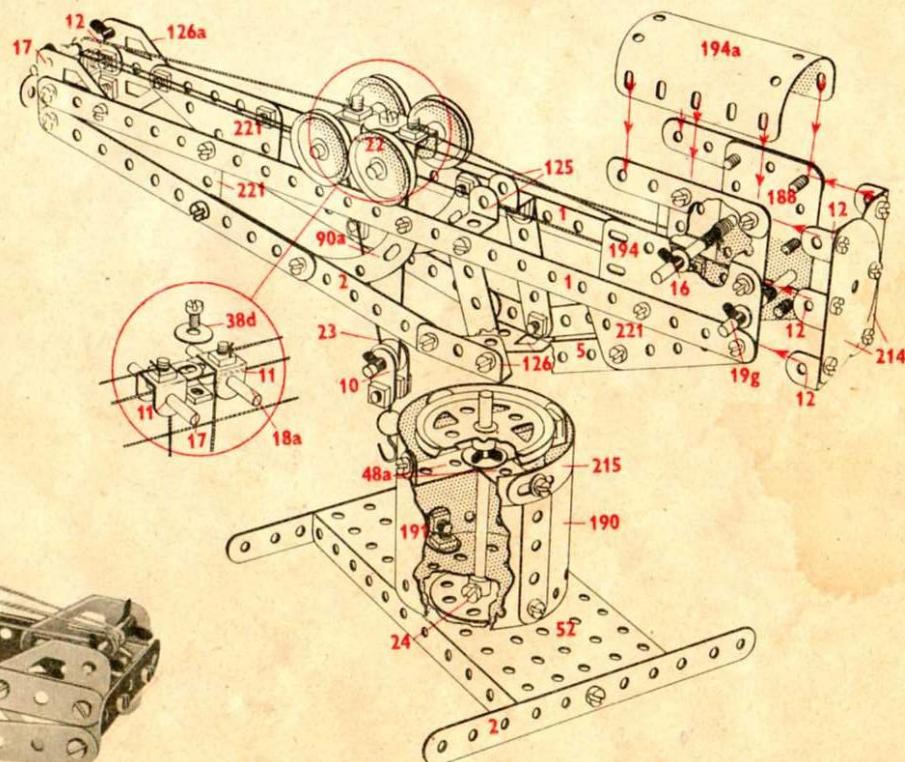
2	-	1
6	-	2
8	-	5
4	-	10
2	-	11
9	-	12
1	-	15b
1	-	19g
1	-	20a
3	-	22
2	-	35
60	-	37a
54	-	37b
6	-	38
1	-	40
2	-	48a
1	-	52
2	-	90a
6	-	111c
2	-	125
2	-	126
2	-	126a
1	-	155
1	-	176
2	-	188
2	-	189
1	-	191
2	-	192
2	-	214
4	-	215
4	-	221



3.12 Block-setting Crane/Grúa asentadora de hormigón/Guindaste para colocação de blocos Traverskran/Byggekran



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 -	19g	1 -	57c	2 -	214
1 -	20a	2 -	90a	4 -	215
4 -	22	6 -	111c	4 -	221

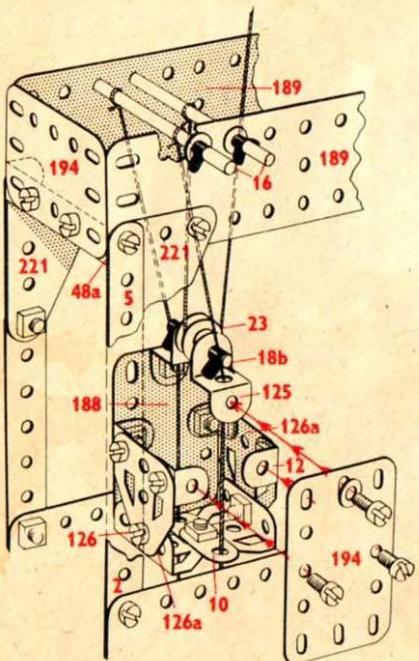


3.13

**Pit-head Gear/ Maquinaria de boca minera
Equipamento elevador no topo de mina de carvão**

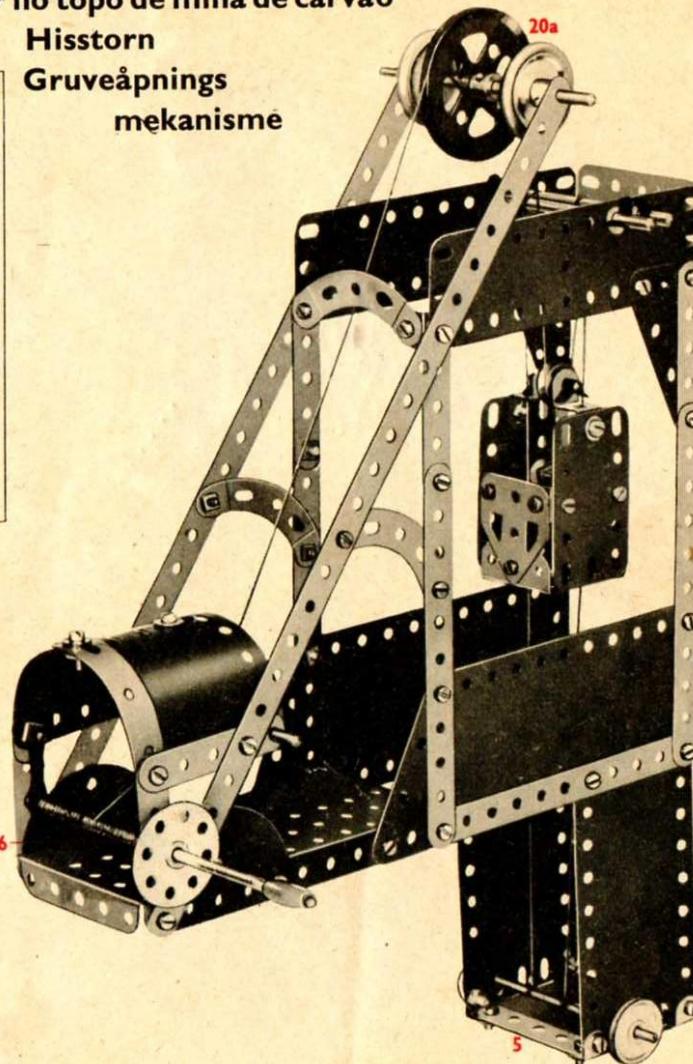
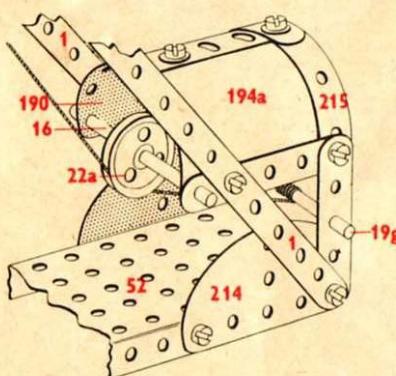
Hisstorn

**Gruveåpnings
mekanisme**

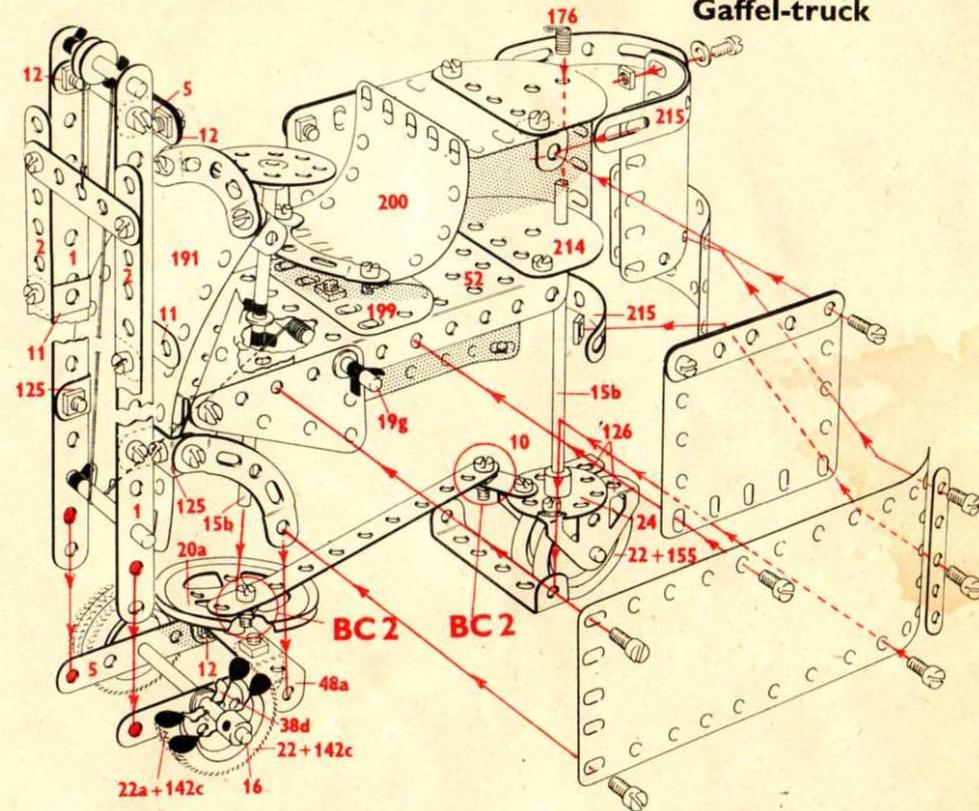
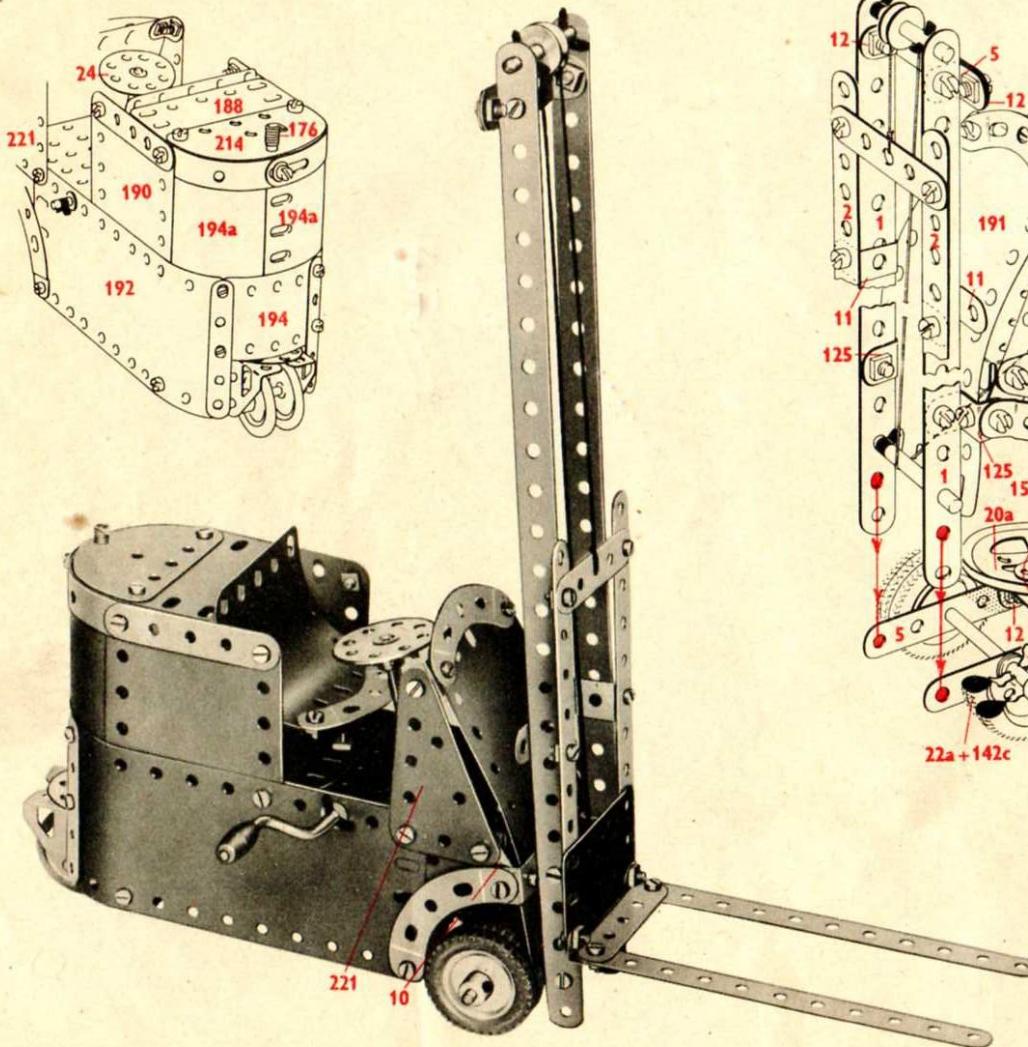


3.13

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

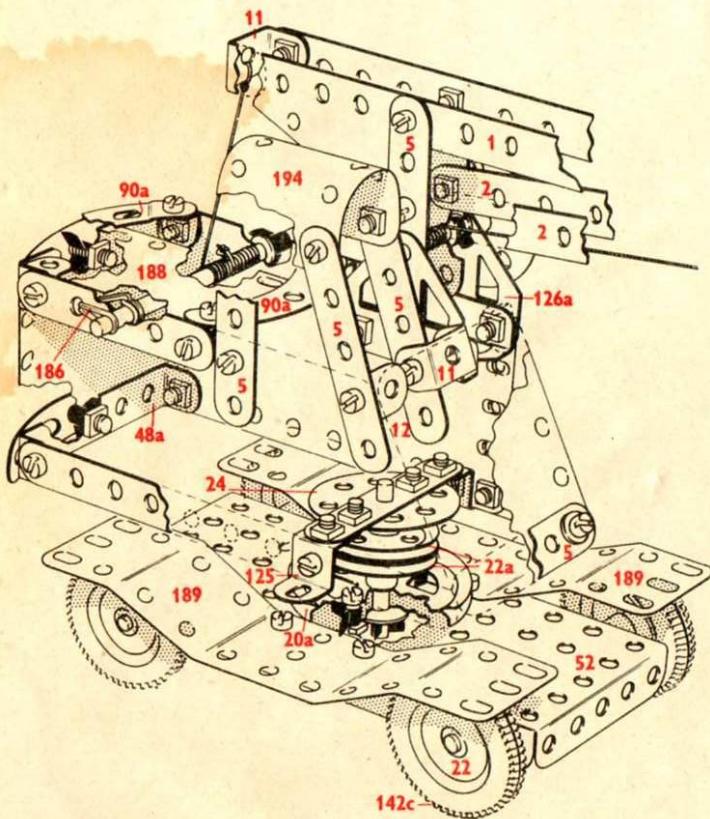


**3.14 Fork-lift Truck/Carreta de horquilla/Camião elevador com garfo/Gaffeltruck
Gaffel-truck**



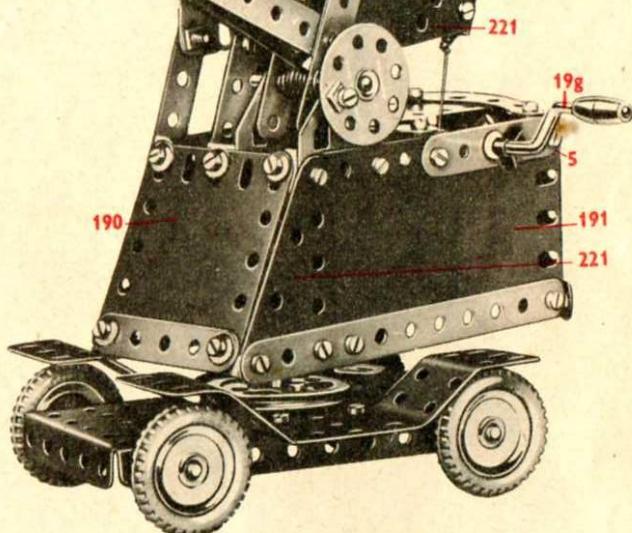
3.14	2 - 1	1 - 20a	2 - 48a	1 - 191
	5 - 2	4 - 22	1 - 52	2 - 192
	9 - 5	2 - 22a	4 - 90a	1 - 194
	3 - 10	1 - 23	3 - 111c	2 - 194a
	2 - 11	2 - 24	2 - 125	1 - 199
	10 - 12	8 - 35	2 - 126	1 - 200
	2 - 15b	60 - 37a	4 - 142c	2 - 214
	1 - 16	55 - 37b	2 - 155	3 - 215
	2 - 17	10 - 38	1 - 176	
	1 - 18a	2 - 38d	2 - 188	
	1 - 19g	1 - 40	2 - 190	

**3.15 Mobile Crane/Grúa ambulante
Guindaste móvil/Rörlig kran
Bevegelig kran**

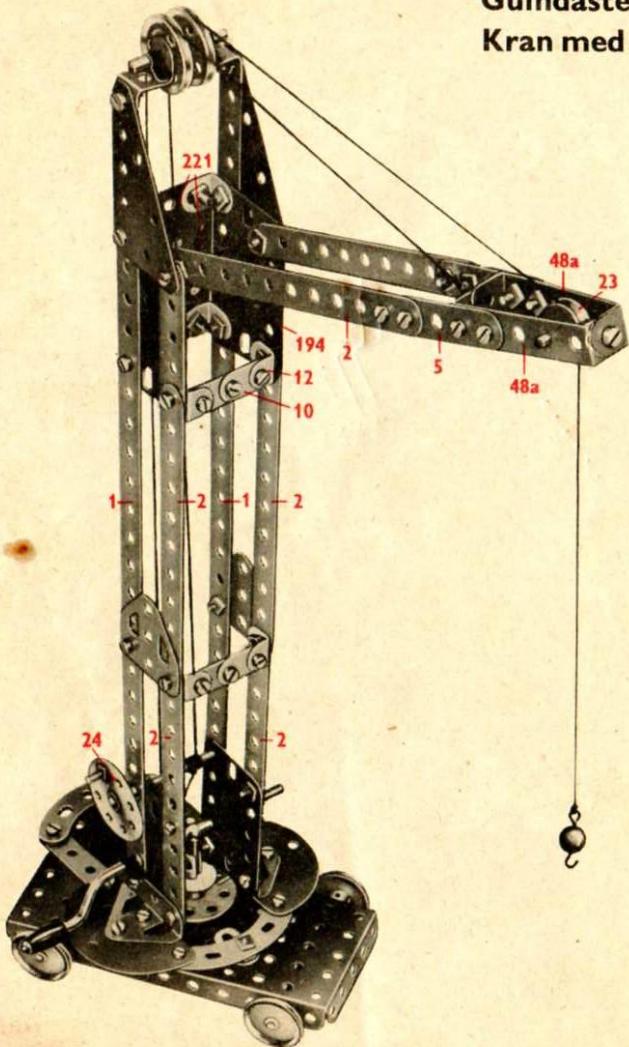


3•15

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	-	19g	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			

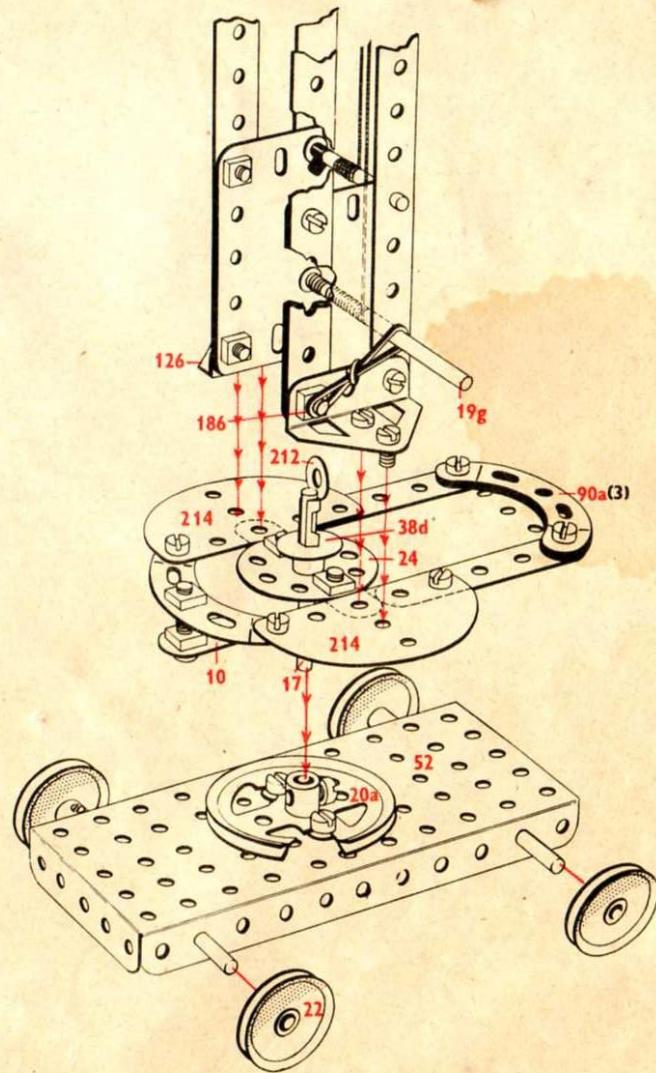


**3.16 Monotower Crane/Grúa de torre
Guindaste de torre/Kran
Kran med enkel utligger**



3.16

2	-	1
6	-	2
9	-	5
5	-	10
8	-	12
2	-	16
2	-	17
1	-	18a
1	-	18b
1	-	19g
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**Nombres y números de las piezas Meccano que se usan en los modelos de los Equipos No. 2 y No. 3****Nomes e números das peças de Meccano incluidas nos Estojo Nos. 2 e 3****Namn och nummer på Meccanodelar som används i grundbygglådor nr. 2 och nr. 3****Navn og nummer på Meccano deler brukt til modeller i sett nr. 2 og nr. 3**

Perforated Strip
Tiras perforadas
Tiras perforadas
Perforerade remsov
Perforert bånd

Fishplate
Soporte plano
Soporte plano
Soporte
doble
Soporte
duplo
Dubbelt-
hållare
Dobbel-
brakett

Double
Bracket
Soporte
doble
Soporte
duplo

Angle Bracket
Soporte angular
Soporte angular
Vinkelhållare
Vinkelbrakett

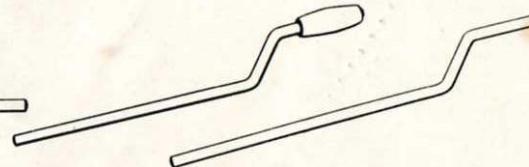
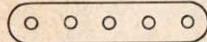
Rods
Varillas
Varetas de eixo
Axelstänger
Stenger

Crank Handle (with grip)
Mango de cigüeña (con puño)
Manivela (con cabo)
Vev (med handtag)
Sveivhåndtak (med grep)

Crank Handle (without grip)
Mango de cigüeña (sin puño)
Manivela sem cabo
Vev (utan handtag)
Sveivhåndtak (uten grep)

Pulley 2" diameter
Polea 5 cm diámetro
Polia diámetro 5 cm
Linhjul - 5 cm diameter
Remskive 51 mm diameter

Pulley (with boss) 1" diameter
Polea (con cubo)
25 mm diámetro
Polia (com cubo)
diametro 25 mm
Linhjul (med nav)
- 25 mm diameter
Remskive (med bössing)
25 mm diameter



19g

19s



1 - 12½"; 32 cm
2 - 5½"; 14 cm
5 - 2½"; 6 cm

10

11

12

15b - 4"; 10 cm
16 - 3½"; 9 cm
17 - 2"; 5 cm
18a - 1½"; 4 cm
18b - 1"; 2,5 cm

20a - 2"; 5 cm

22 - 1"; 2,5 cm

Pulley (without boss)
Polea (sin cubo)
Polia (sem cubo)
Linhjul (utan nav)
Remskive (uten bössing)

Pulley
(without boss)
Polea (sin cubo)
Polia (sem cubo)
Linhjul (utan nav)
Remskive
(uten bössing)

Bush Wheel
Rueda con buje
Roda de bucha
Centerskiva
Bössinghjul

Spring Clip
Abrazadera
de resorte
Grampo de mola
Fjäderklämma
Fjærklammer

Nut
Tuerc
Porca
Mutter

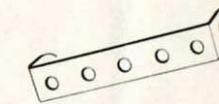
Bolt
Perno
Parafuso
Bult
Mutter

Washer
Arandela
Arruela
Bricka
Mellom-
leggskive

Washer
Arandela
Arruela
Bricka
Mellomleggskive

Double Angle Strip
Tira doblada
Tira dobrada
Dubbelvinkelremsa
Dobbelböjd barre

Flanged Plate
Placa rebordead
Placa rebordeada
Flänsplåt
Plate med omböjd kant



22a - 1"; 2,5 cm

23 - ½"; 1 cm

24

35

37a

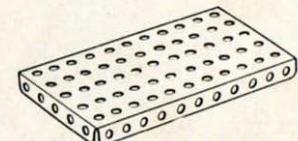
37b

38

38d - ½"; 2 cm

48a - 2½" × ½"; 6 cm × 1 cm

52 - 5½" × 2½"; 14 cm × 6 cm



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

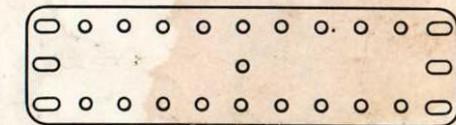
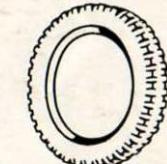
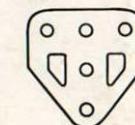
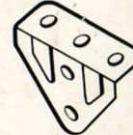
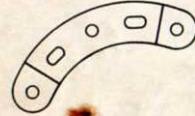
Nombres y números de las piezas Meccano que se usan en los modelos de los Equipos No. 2 y No. 3

Nomes e números das peças de Meccano incluidas nos Estojos Nos. 2 e 3

Namn och nummer på Meccanodelar som används i grundbygglådor nr. 2 och nr. 3

Navn og nummer på Meccano deler brukt til modeller i sett nr. 2 og nr. 3

Loaded Hook Gancho cargado Gancho chumbado (pequeno) Belastad krok Krok med lodd	Curved Strip (Stepped) Tira curva (acodada) Tira curva (de cotovelo) Bågremsa, bockad Buet barre	Bolt Perno Parafuso Bolt Bolt	Reversed Angle Bracket Soporte angular inverso Suporte angular invertido Omvänt vinkelhållare Tilbakebøyd vinkelbrakett	Trunnion Muñón Cantoneira Vinkelbockad fästplåt Swingstykke, böyd	Flat Trunnion Muñón plano Aleta Flat fästplåt Swingstykke, flatt	Motor Tyre Neumático para rueda Pneu de auto Däck Bilring	Rubber Ring Anillo de caucho Aro de borracha Gummiring Gummiring	Cord Anchoring Spring Resorte de enganche para cuerda Mola de prender cordel Föranknings- fjäder för Meccano-snöre Ankerfjær for Snor	Flexible Plate Placa flexible Placa flexivel Bøjlig plåtar Bøyelig plate
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57c

90a

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

125

126

126a

142c

155

176

188 - $2\frac{1}{2}$ " x $1\frac{1}{2}$ ";
60 x 38 mm189 - $5\frac{1}{2}$ " x $1\frac{1}{2}$ ";
140 x 38 mm190 - $2\frac{1}{2}$ " x $2\frac{1}{2}$ ";
60 x 60 mm191 - $4\frac{1}{2}$ " x $2\frac{1}{2}$ ";
11.5 x 6 cm192 - $5\frac{1}{2}$ " x $2\frac{1}{2}$ ";
14 x 6 cm

Plastic Plate (transparent) Placa plástica (transparente) Placa de plástico (transparente) Plastplåt (transparent) Plastplate (gjenomsiktig)

Plastic Plate, (black) Placa plástica (negra) Placa de plástico (preto) Plastplåtar (svart) Plastplate (sort)
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Curved Plate, U Section Placa curva en U Placa curva em U Bågplåt Buet plate, U-profil
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Curved Plate Placa curva Placa curva Bågplåt Buet plate

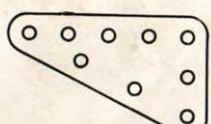
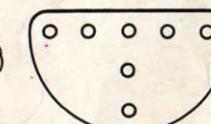
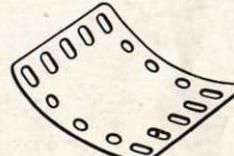
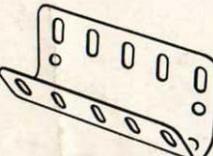
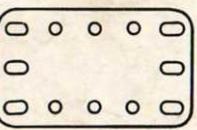
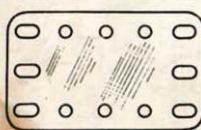
Rod and Strip Connector Pieza de conexión para varillas y tiras Junção de vareta e tira Stång- och remsa- förbindning Stang- og barreforbinder

Rod Connector Pieza de conexión para varillas Luva de varetas Stängförbindning Stangforbinder

Semi-circular Plate Placa semi-circular Placa semi-circular Halvsirkelpåt Halvsirkelformet plate
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Formed Slotted Strip Tira curvada de 75 mm con muesca Tira curvada com ranhuras Formad remsa med springor Tilformet barre
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Triangular Flexible Plate Placa flexible triangular Placa flexivel triangular Trekantig bøjlig plåt Trekantet bøyelig plate

193 - $2\frac{1}{2}$ " x $1\frac{1}{2}$ "; 6 x 4 cm194 - $2\frac{1}{2}$ " x $1\frac{1}{2}$ "; 6 x 4 cm
194a - $2\frac{1}{2}$ " x $2\frac{1}{2}$ "; 6 x 6 cm

199

200

212

213

214

215

221