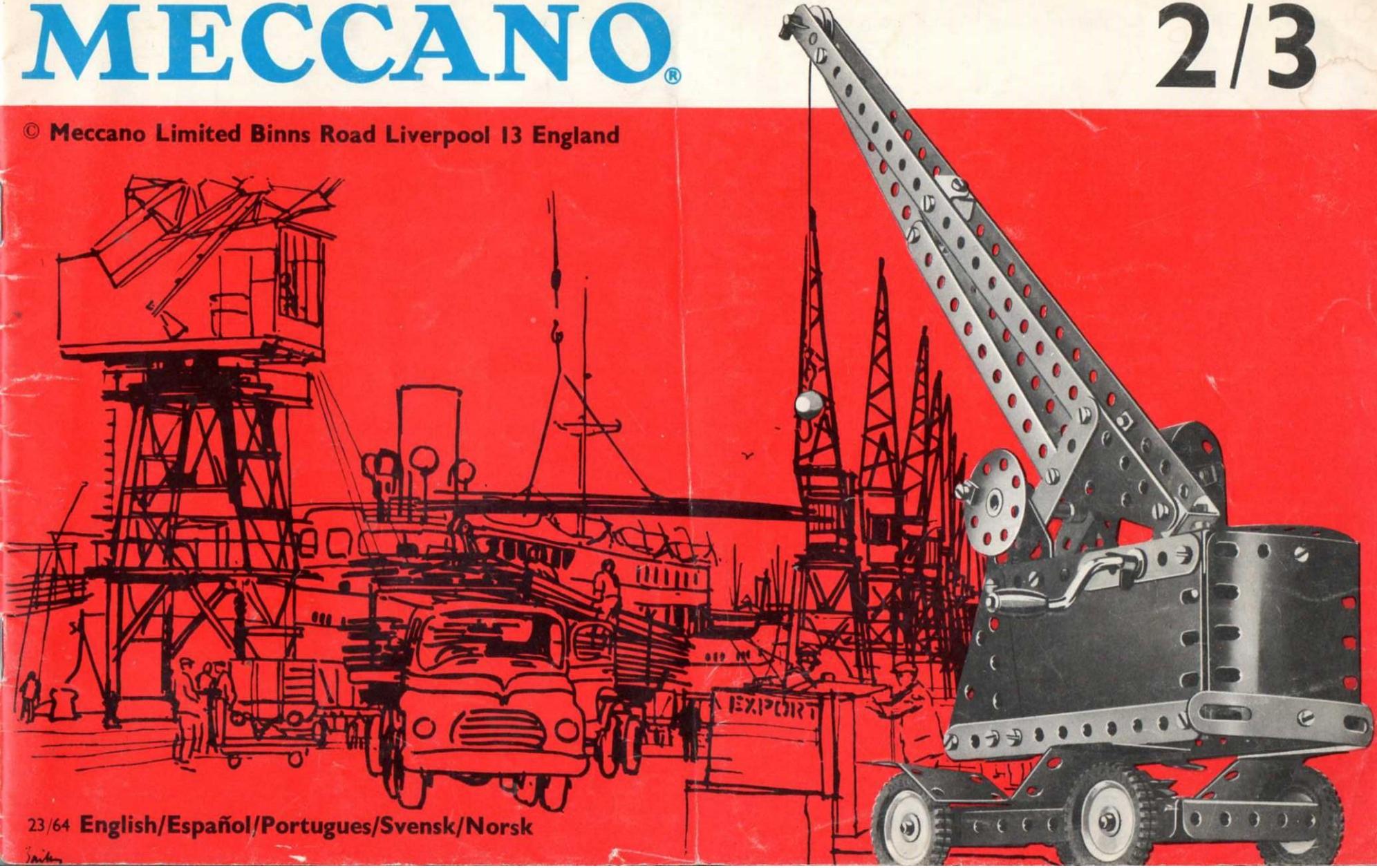


# MECCANO.

2/3

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## 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 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 Básicas 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 dumha 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 apafusadas 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 Eléctrico 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 bygglådorna 2 och 3, med beteckning och nummer. Delarnas omvälvande 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.

Varie 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 sättes 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 et av disse kodemerkeforekommer på illustrasjonen, betyr det at konstruksjonsmåten er den samme som vist ved det samme kodemerke i O/1 boken.

Noen modeller er konstruert i forskjellige enheter. Punkter som disse blir satt sammen i, for å danne den fullstendige modellen, er vist med røde prikker. Der hvor røde linjer går bak plater eller andre deler på en modell, er de vist ved prikker.

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

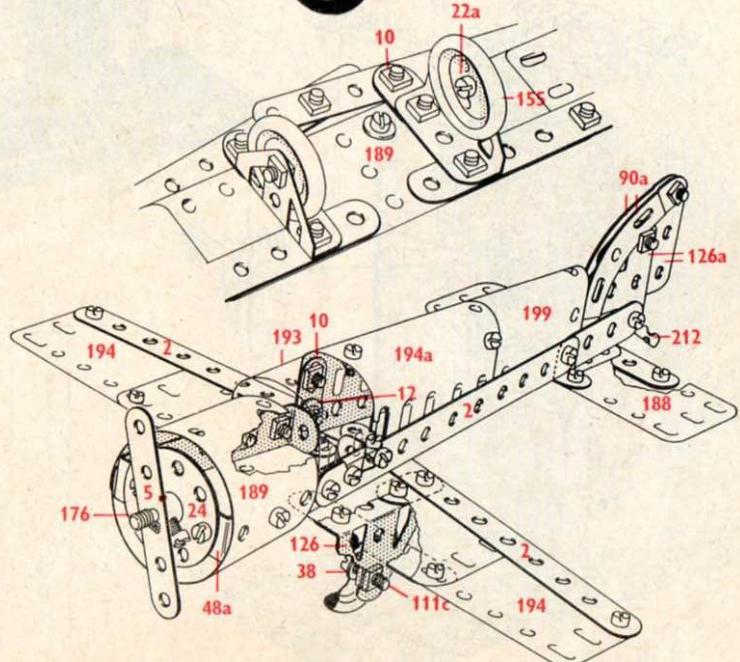
### Innhold i sett 2 og 3

Part No. Pieza No. Peça No. nr.	Outfit Equipo Estojo nr.	Part No. Pieza No. Peça No. nr.	Outfit Equipo Estojo nr.
	Brygglåda Byggesett		Brygglåda Byggesett
1	-	2	52
2	4	6	57c
5	6	9	90a
10	4	5	111c
11	1	2	125
12	8	10	126
15b	-	2	126a
16	2	3	142c
17	2	2	155
18a	-	1	176
18b	1	1	186
19g	-	1	188
19s	1	-	189
20a	1	1	190
22	4	4	191
22a	2	2	192
23	-	1	193
24	1	2	194
34	2	2	194a
35	6	8	199
36	1	1	200
37a	56	60	212
37b	50	56	213
38	10	10	214
38d	-	2	215
40	1	1	221
48a	2	2	

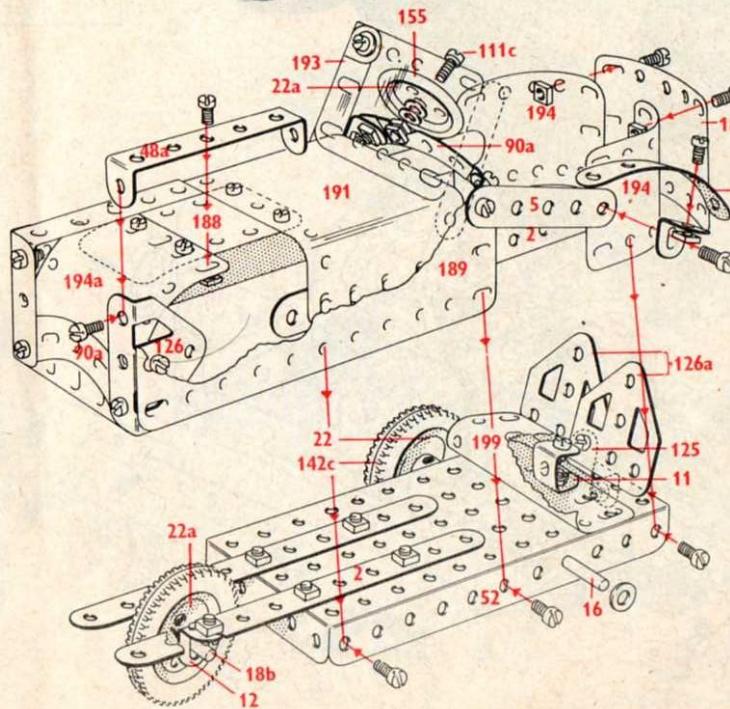
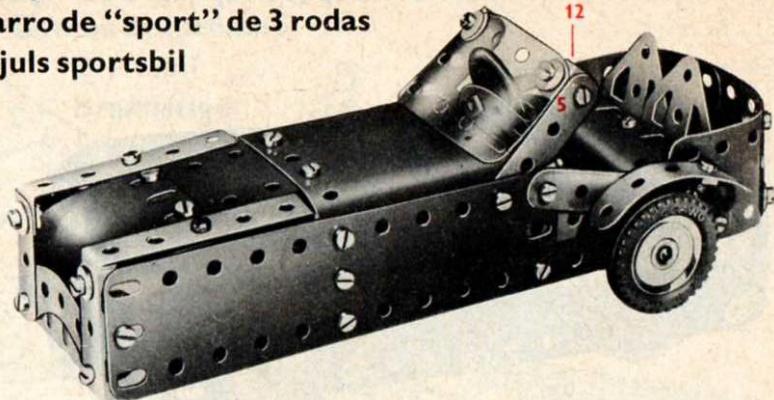
**2.1 Monoplane/ Monoplano  
Avião monoplano/Flygplan  
Endekket fly**



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

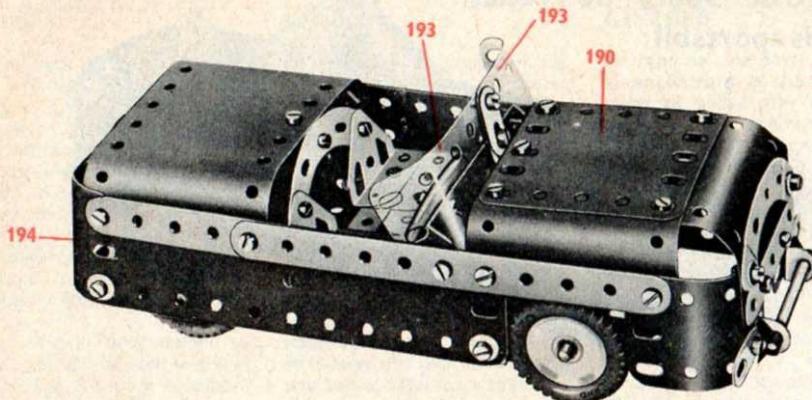


**2.2 3-Wheel Sports Car/Coche deportivo  
de 3 ruedas/Carro de "sport" de 3 rodas  
3 hjulig bil/3-hjuls sportsbil**

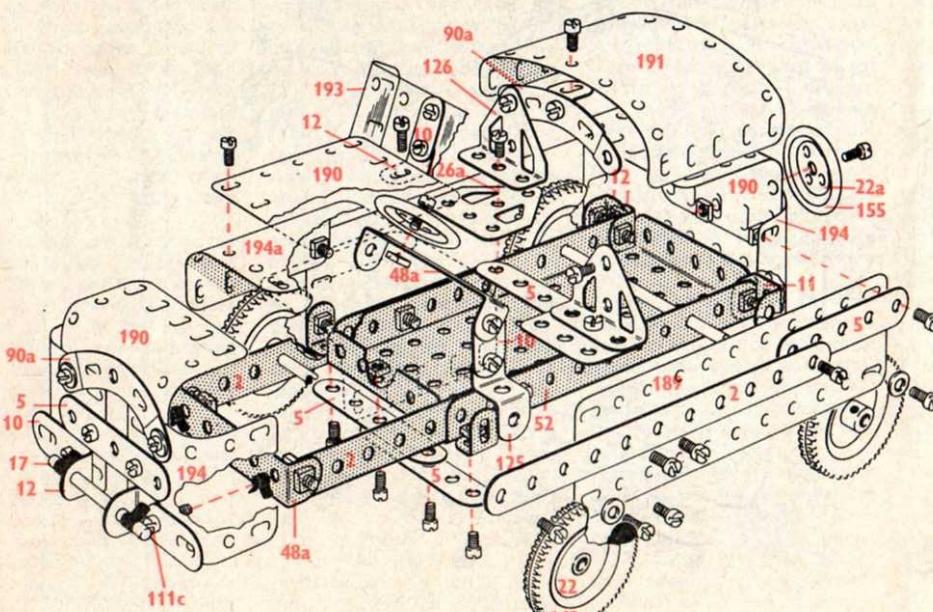


2.2	4	-	2
	6	-	11
	8	-	12
	1	-	16
	1	-	18b
	2	-	22
	2	-	22a'
	2	-	35
	50	-	37a
	48	-	37b
	10	-	38
	2	-	48a
	1	-	52
	2	-	90a
	1	-	111c
	1	-	125
	2	-	126
	2	-	126a
	3	-	142c
	1	-	155
	2	-	188
	2	-	189
	1	-	191
	1	-	193
	2	-	194
	1	-	194a
	1	-	199

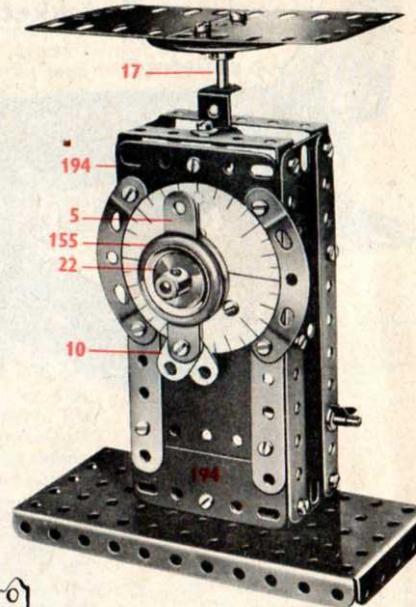
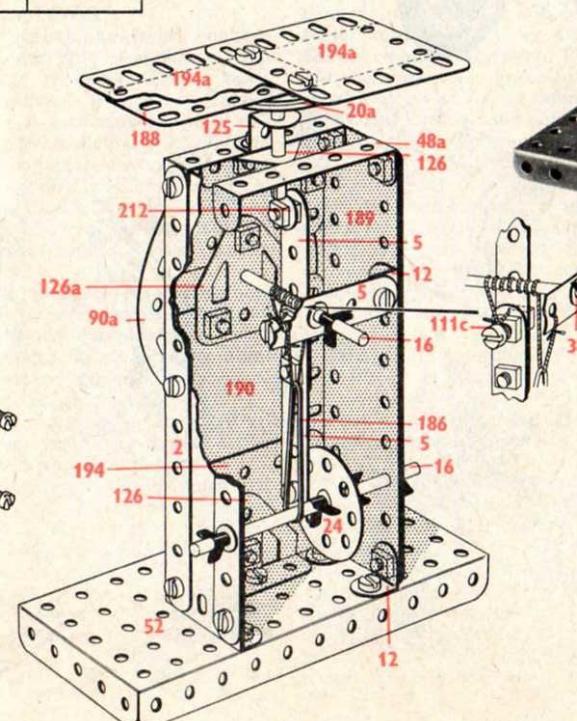
**2.3 Sports Car/Automóvil deportivo/Carro de “sport”/Sportbil/Sportsbil**

**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

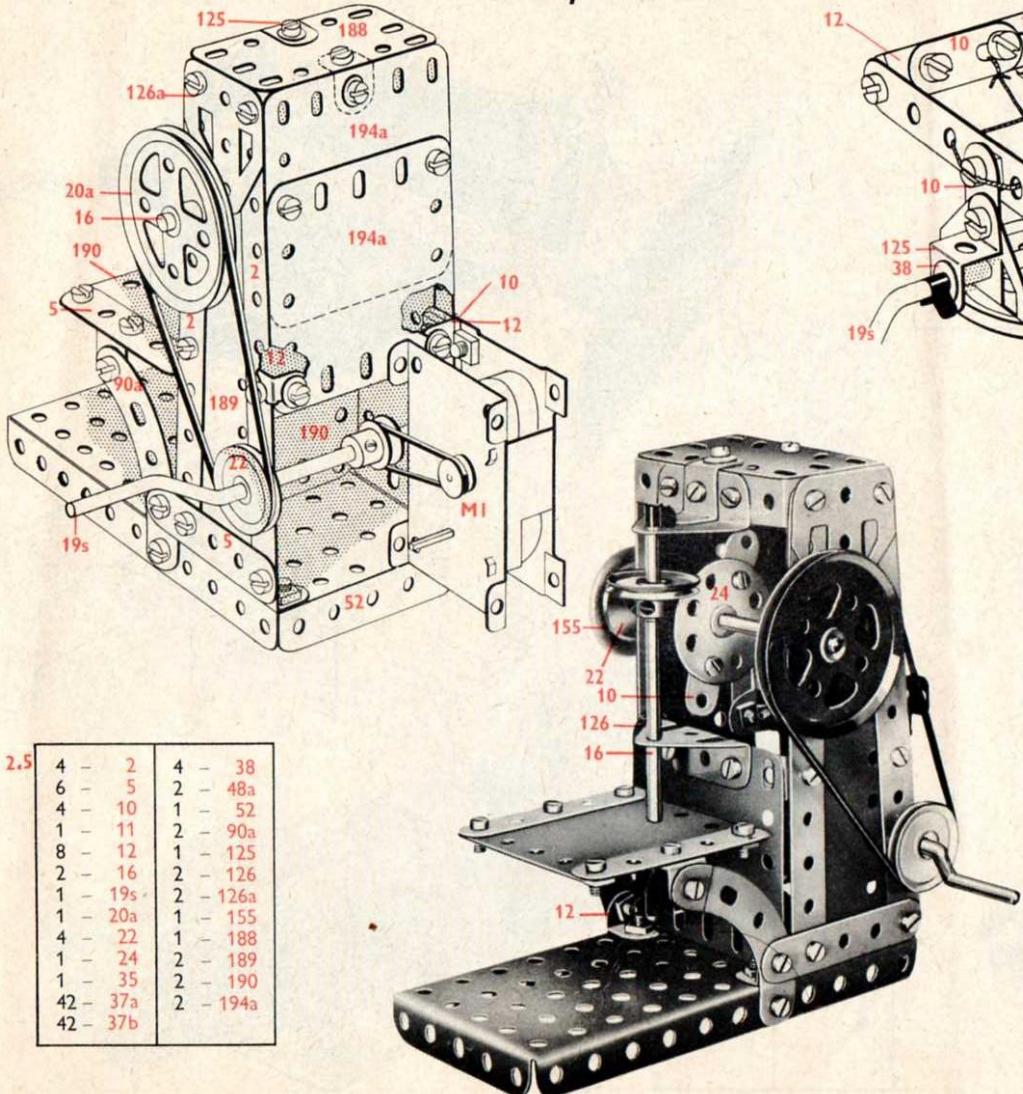


**2.4 Letter Balance/Pesa-Cartas**

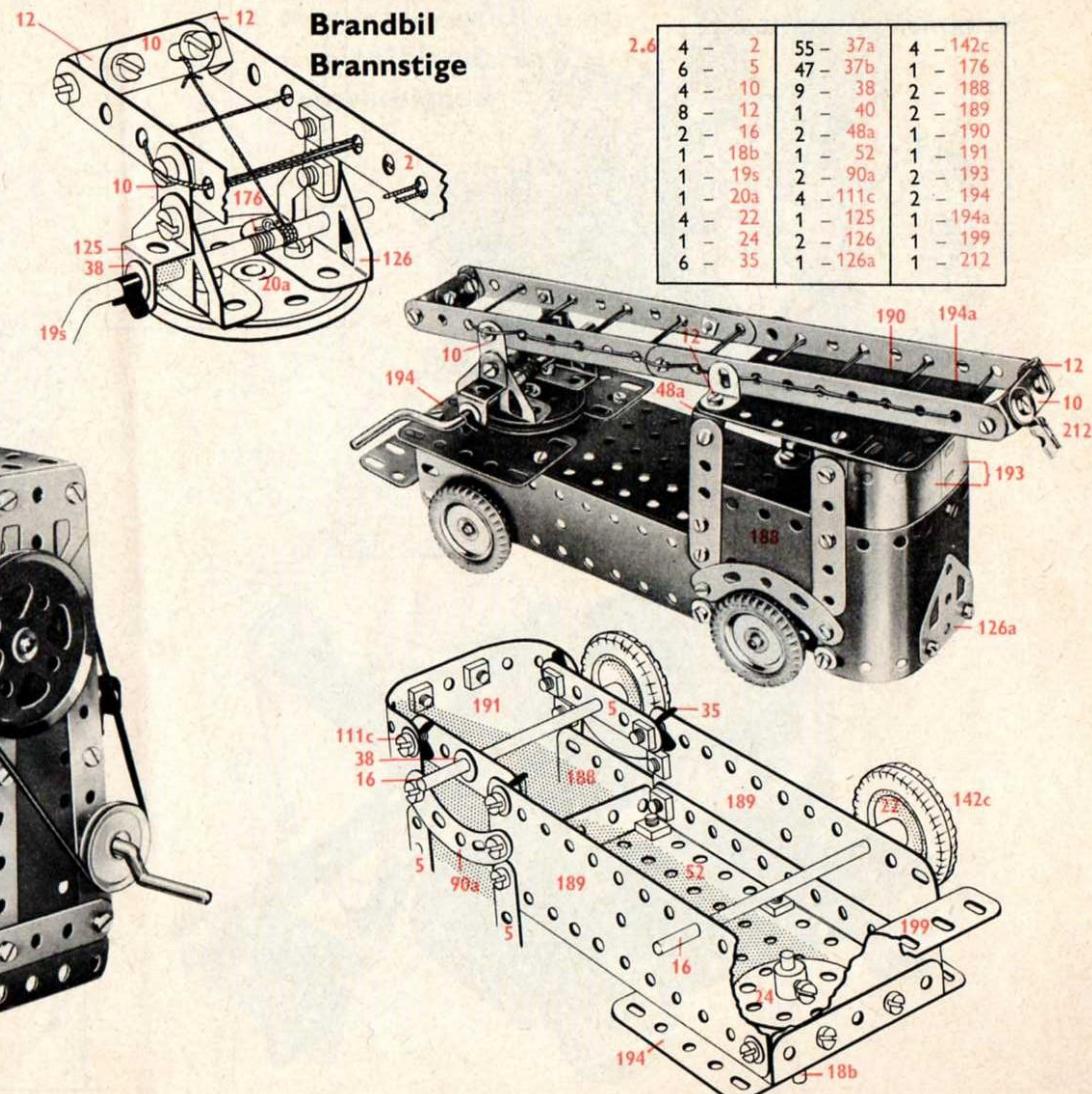
**Balança de cartas****Brevvåg****Brev-vekt**

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

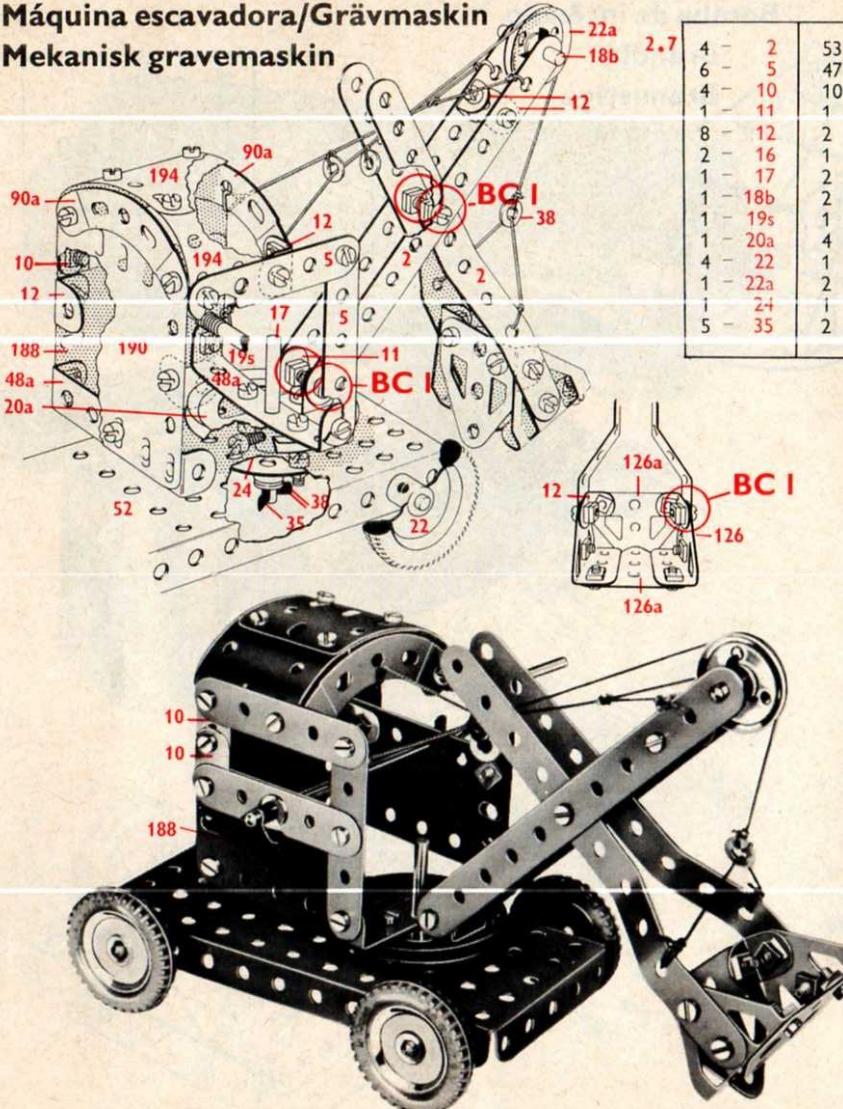


## 2.6 Fire Escape/Bomba de incendios Bomba de incêndio Brandbil Brannstige



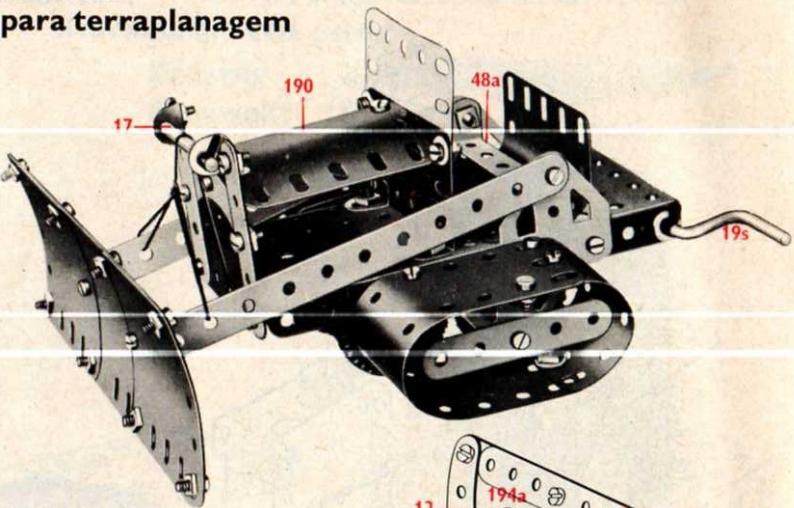
## 2.7 Mechanical Excavator/Excava – dora mecánica

Máquina excavadora/Grävmaskin  
Mekanisk gravemaskin

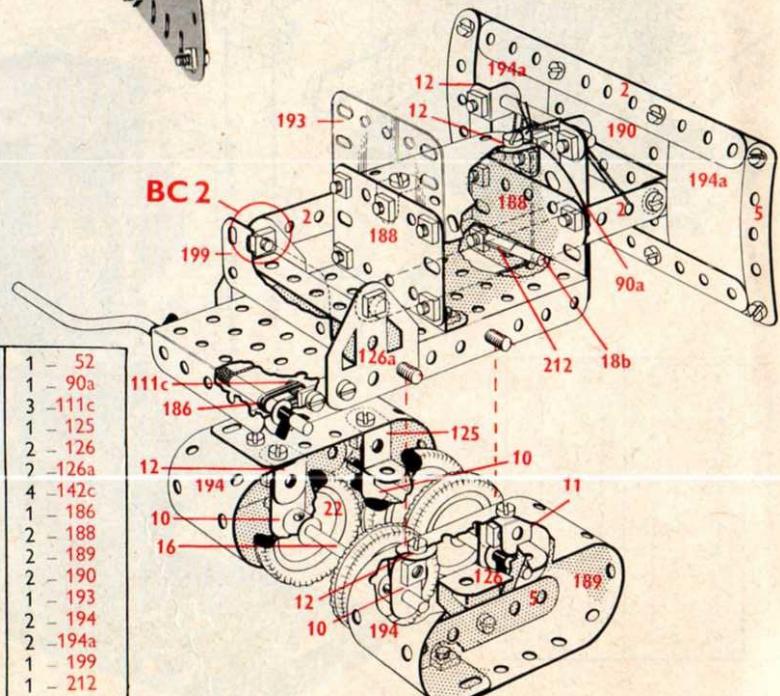


## 2.8 Bulldozer

Escavadora para terraplanagem



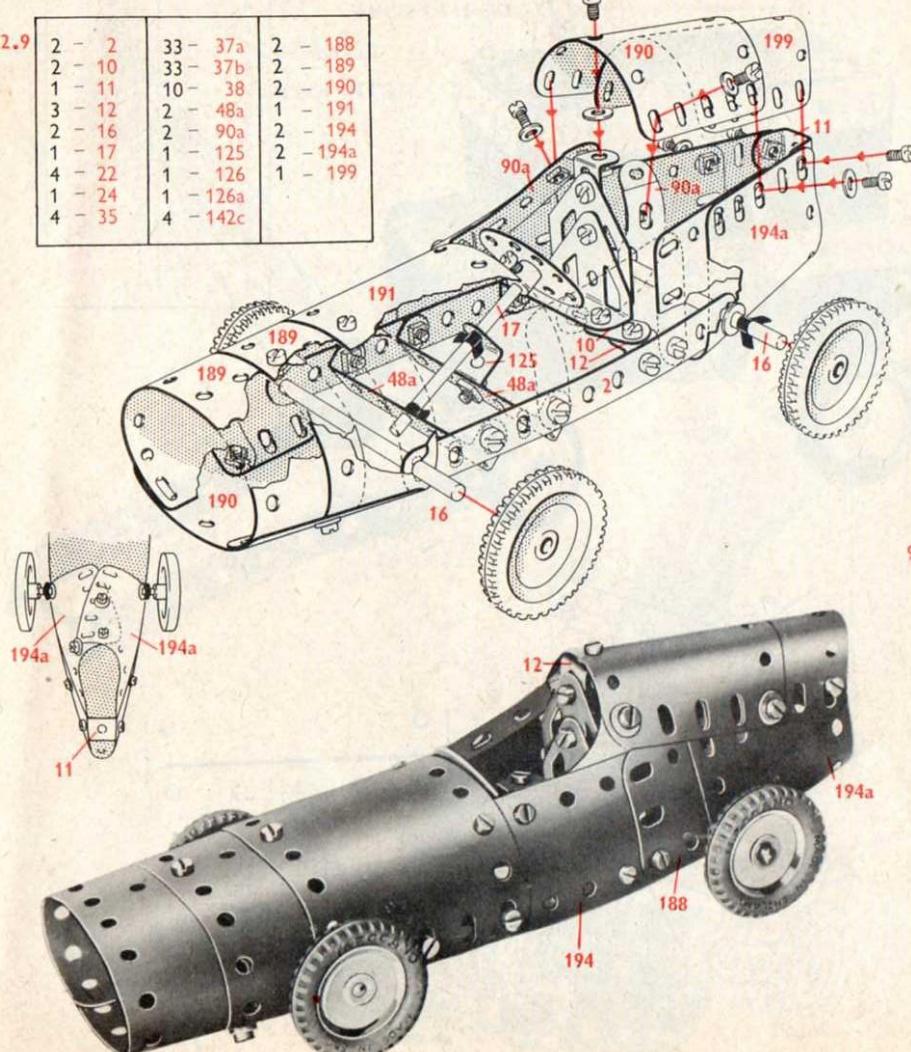
4 -	2	1 -	52
6 -	5	1 -	90a
4 -	10	3 -	111c
1 -	11	1 -	125
8 -	12	2 -	126
2 -	16	2 -	126a
1 -	17	4 -	142c
1 -	18b	1 -	186
1 -	19s	2 -	188
4 -	22	2 -	189
6 -	35	2 -	190
50 -	37a	1 -	193
45 -	37b	2 -	194
10 -	38	2 -	194a
1 -	40	1 -	199
2 -	48a	1 -	212



**2.9 Racing Car/Automóvil de carrera  
Carro de corrida/Racerbil/ Racer-bil**

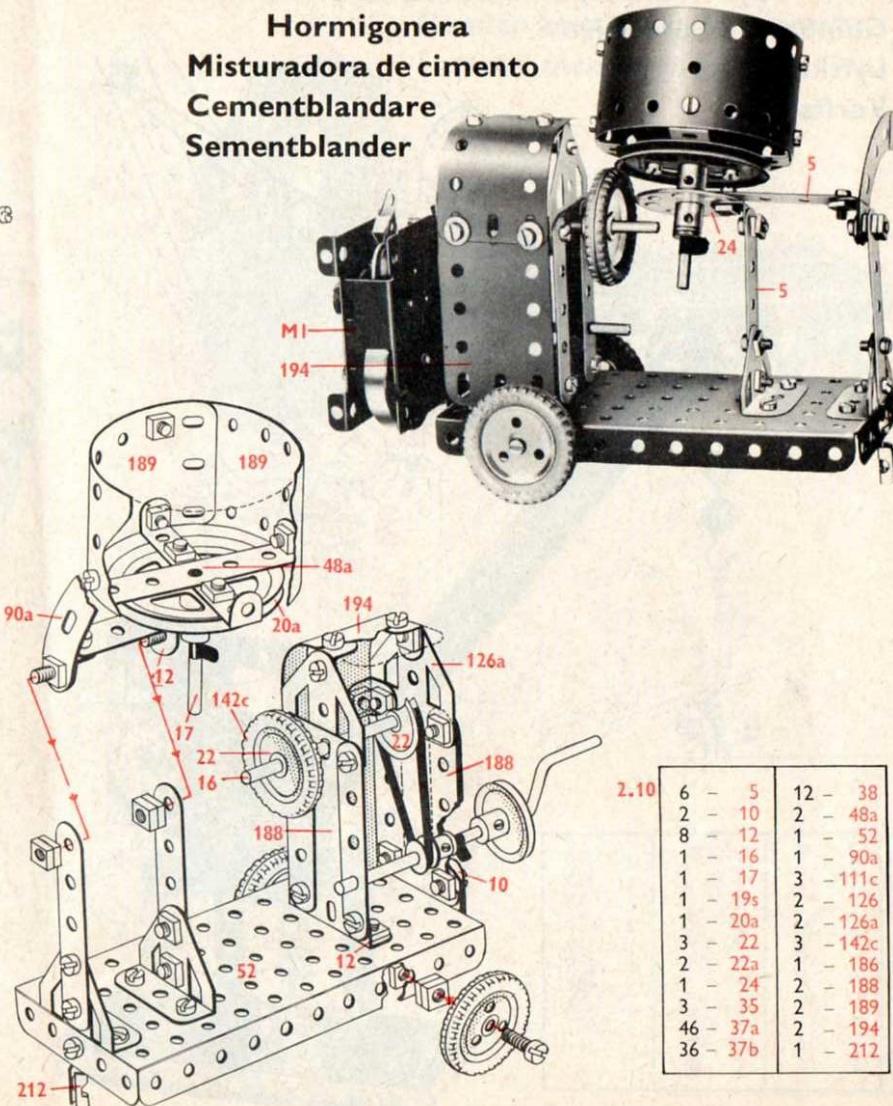
2.9

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 - 142c
4 - 35	4 - 142c	



**2.10 Cement Mixer  
Hormigonera**

Misturadora de cimento  
Cementblandare  
Sementblander



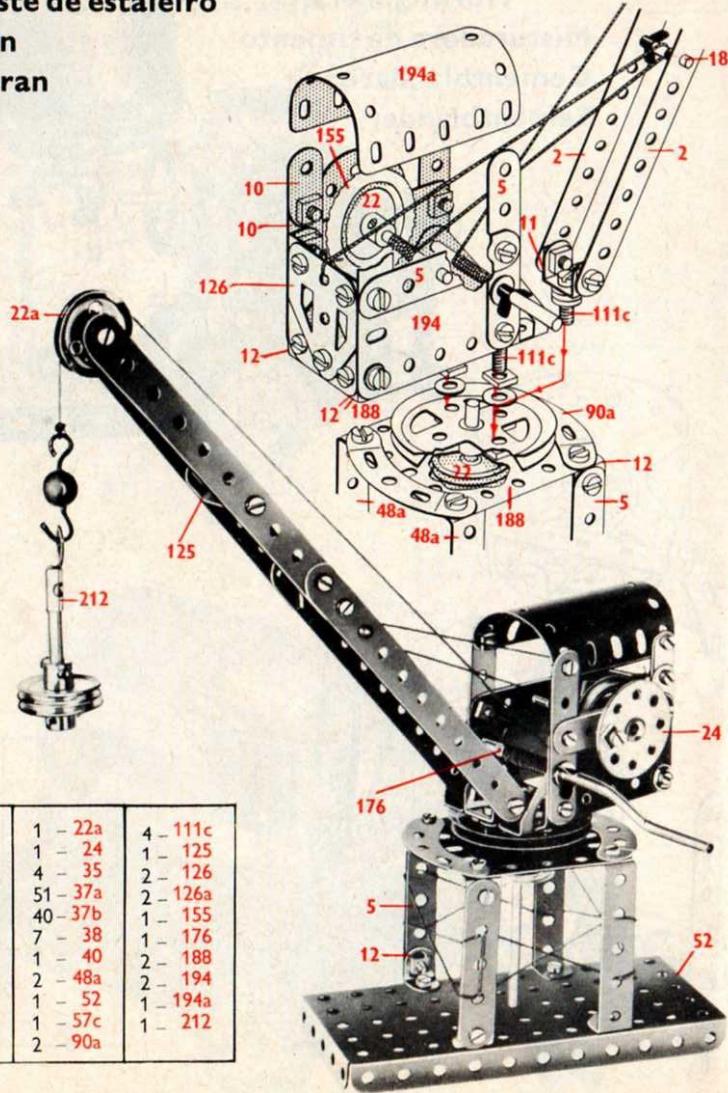
6 - 5	12 - 38
2 - 10	2 - 48a
8 - 12	1 - 52
1 - 16	1 - 90a
1 - 17	3 - 111c
1 - 19s	2 - 126a
1 - 20a	2 - 126a
3 - 22	3 - 142c
2 - 22a	1 - 186
1 - 24	2 - 188
3 - 35	2 - 189
46 - 37a	2 - 194
36 - 37b	1 - 212

## 2.11 Shipyard Crane/Grúa de astillero

Guindaste de estaleiro

Lyftkran

Verftskran



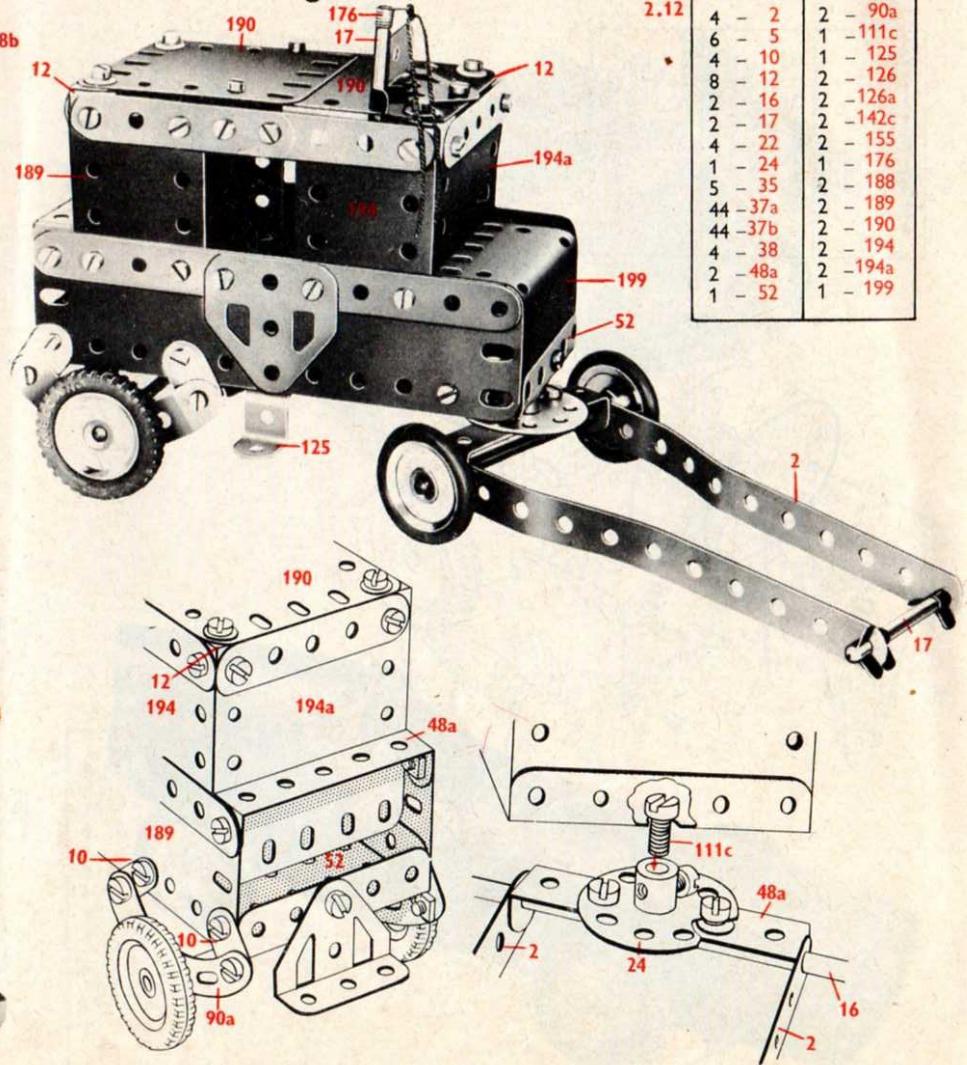
2.11

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

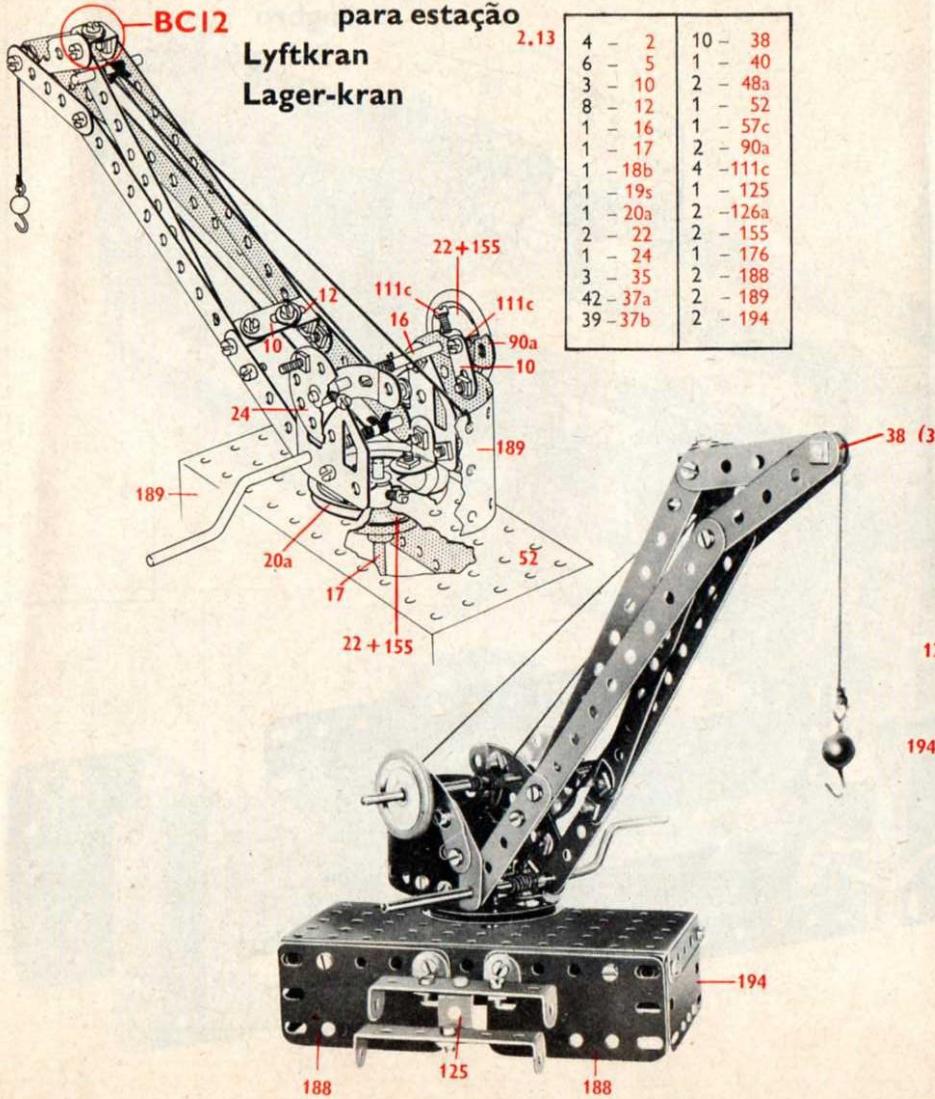
Diligense

2.12

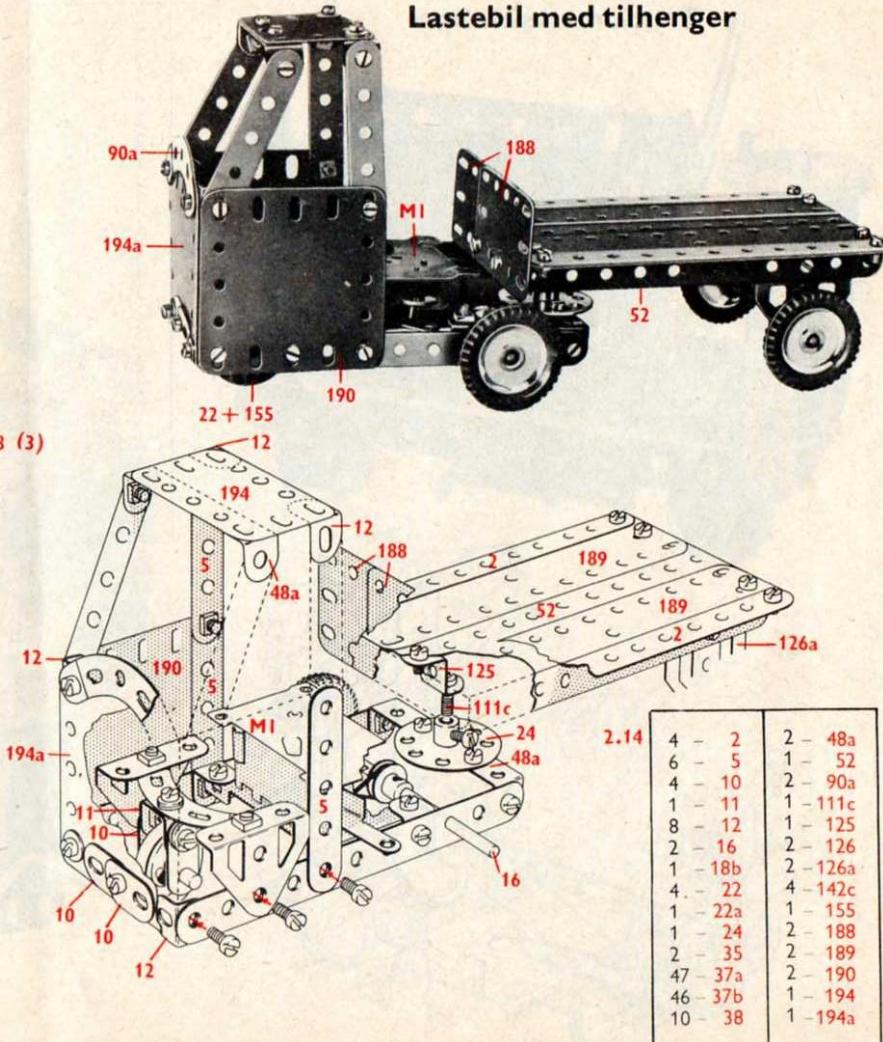


4 - 2	2	2 - 90a
6 - 5	1	1 - 111c
4 - 10	1	1 - 125
8 - 12	2	2 - 126
2 - 16	2	2 - 126a
2 - 17	2	2 - 142c
4 - 22	2	2 - 155
1 - 24	1	1 - 176
5 - 35	2	2 - 188
44 - 37a	2	2 - 189
44 - 37b	2	2 - 190
4 - 38	2	2 - 194
2 - 48a	2	2 - 194a
1 - 52	1	1 - 199

**2.13 Goods Yard Crane/Grúa depósito de mercancías  
Guindaste de carga**



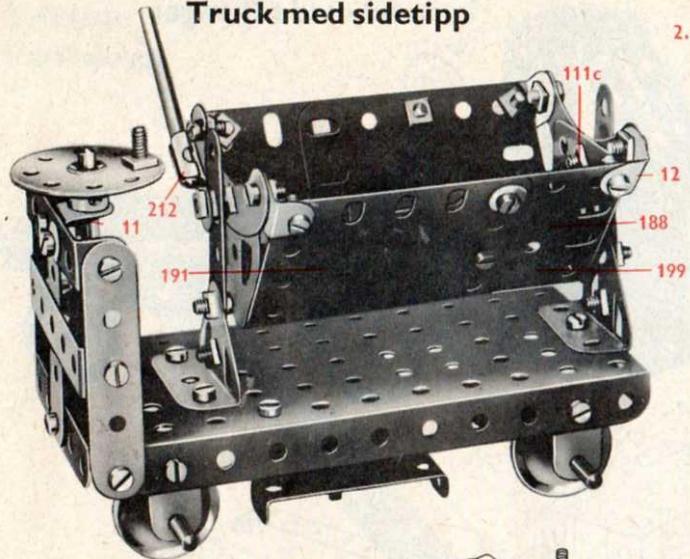
**2.14 Articulated Lorry/Camión articulado  
Camião articulado/Semitrailer  
Lastebil med tilhenger**



## 2.15 Side-tipping Truck/Vagoneta de volquete

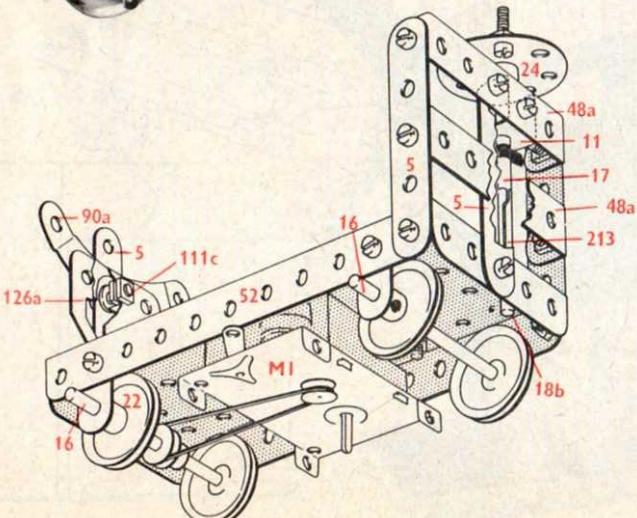
Vagão basculante/Tipptruck

Truck med sidetipp



2.15

5	-	5
4	-	10
1	-	11
4	-	12
2	-	16
2	-	17
1	-	18b
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



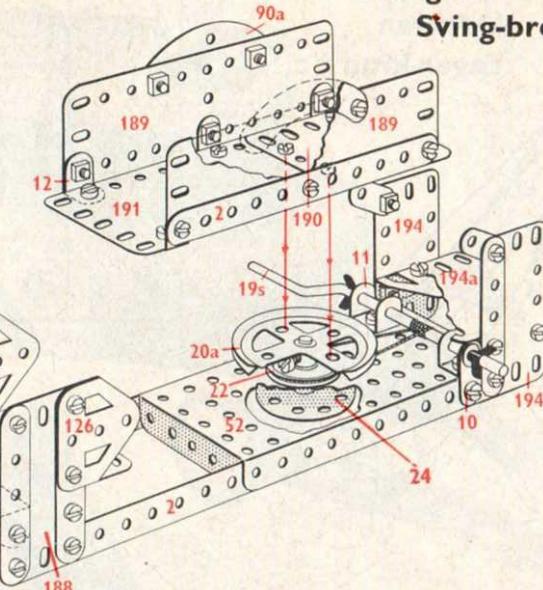
## 2.16 Swing Bridge/Puente giratorio

Ponte giratória

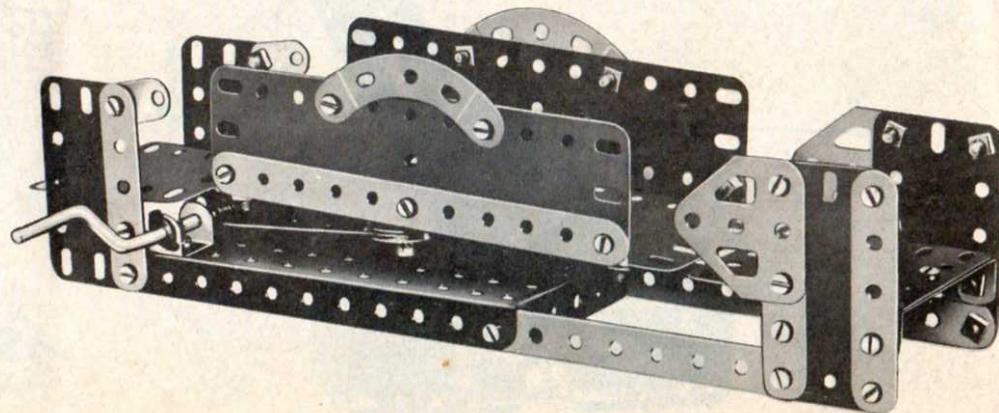
Svängbro

Sving-bro

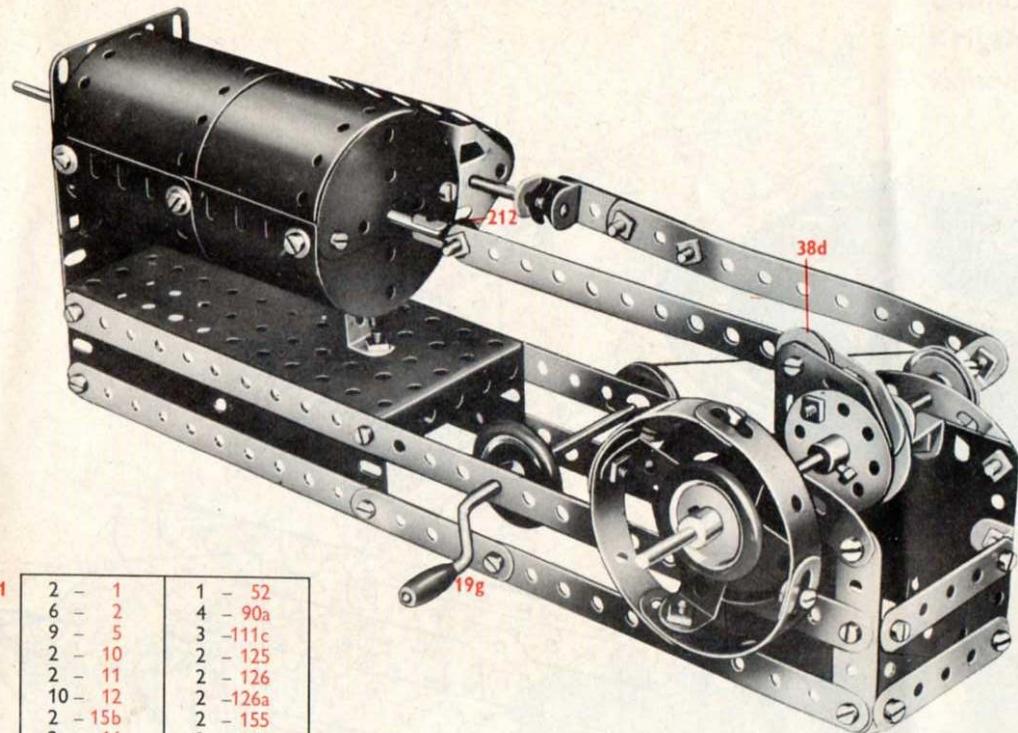
2.16



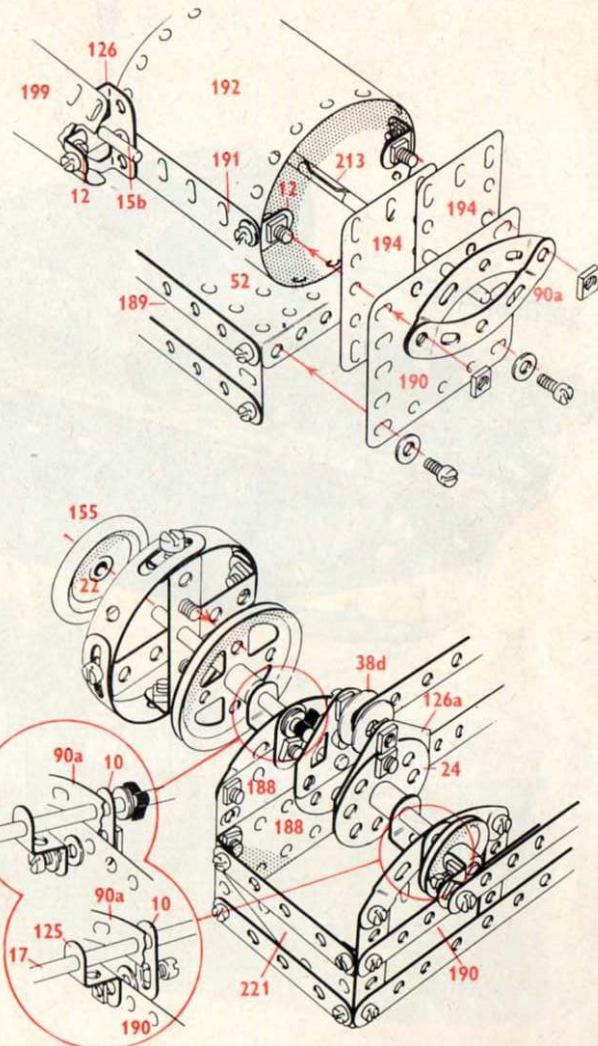
4	-	2
6	-	5
3	-	10
1	-	11
6	-	12
1	-	18b
1	-	19s
1	-	20a
1	-	22
2	-	35
50	-	37a
50	-	37b
2	-	38
1	-	40
2	-	48a
1	-	52
2	-	90a
1	-	125
2	-	126
2	-	126a
2	-	188
2	-	189
2	-	190
1	-	191
2	-	194
1	-	194a



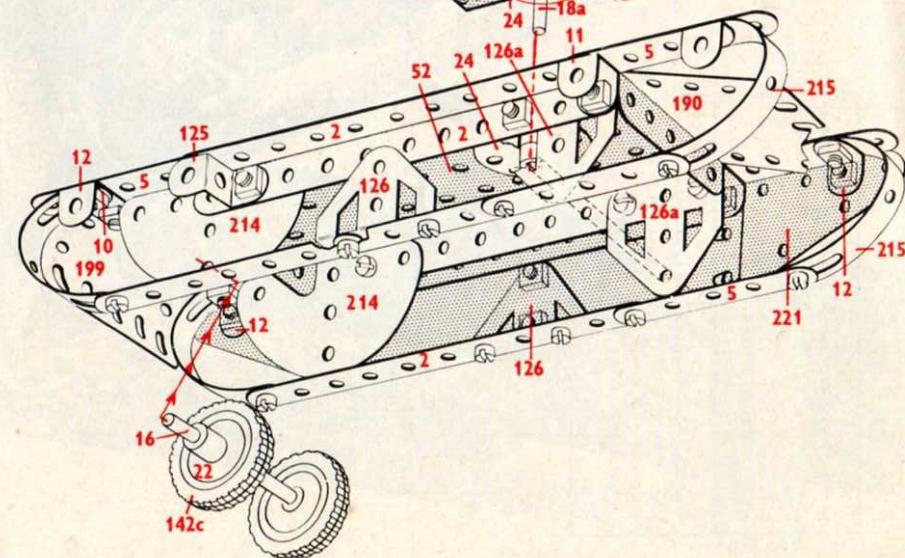
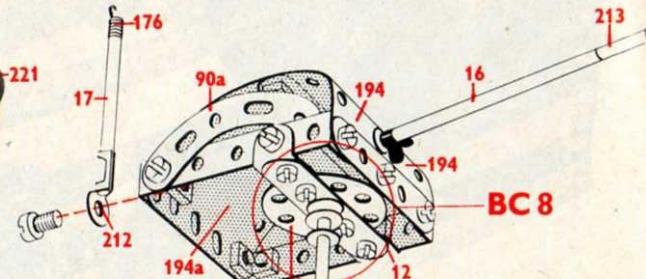
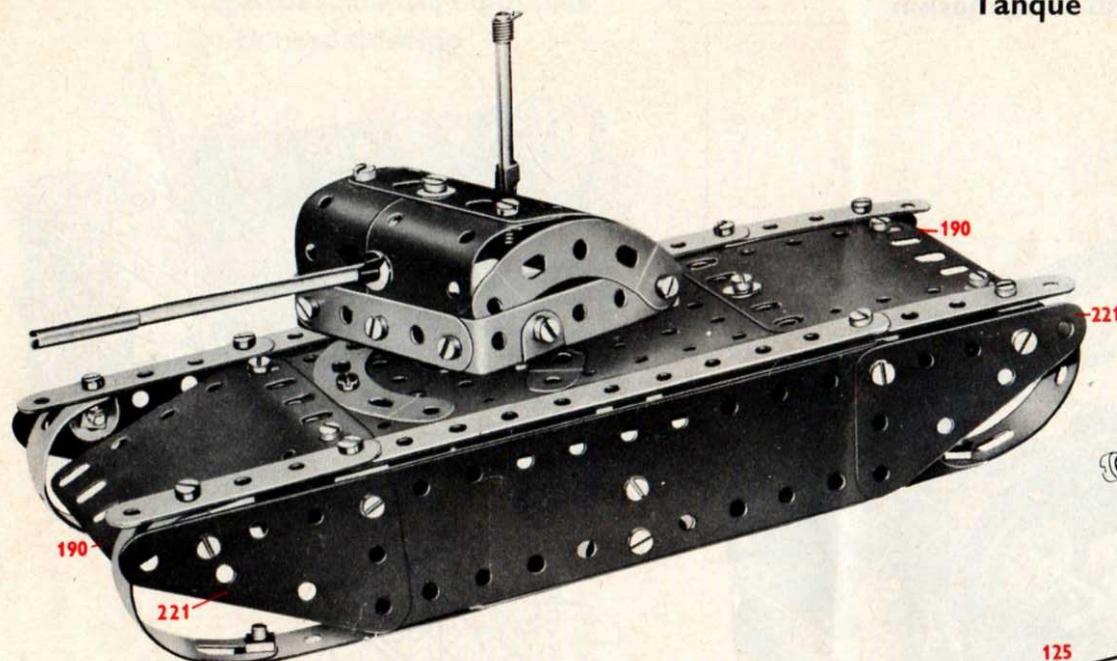
**3.1 Horizontal Steam Engine/ Máquina horizontal a vapor  
Ångmaskin/ Horisontal dampmaskin**



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	

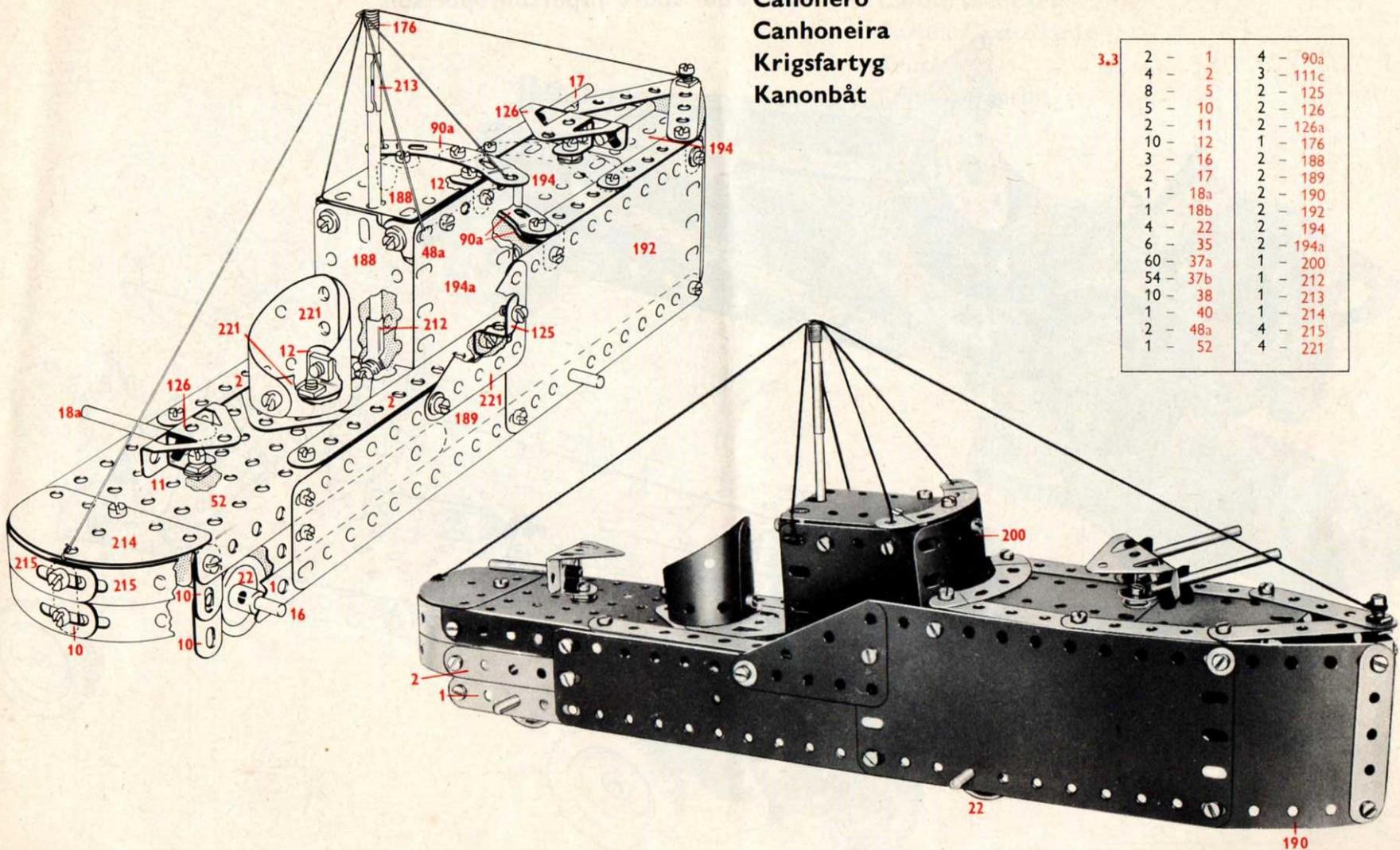


### 3.2 Tank Tanque



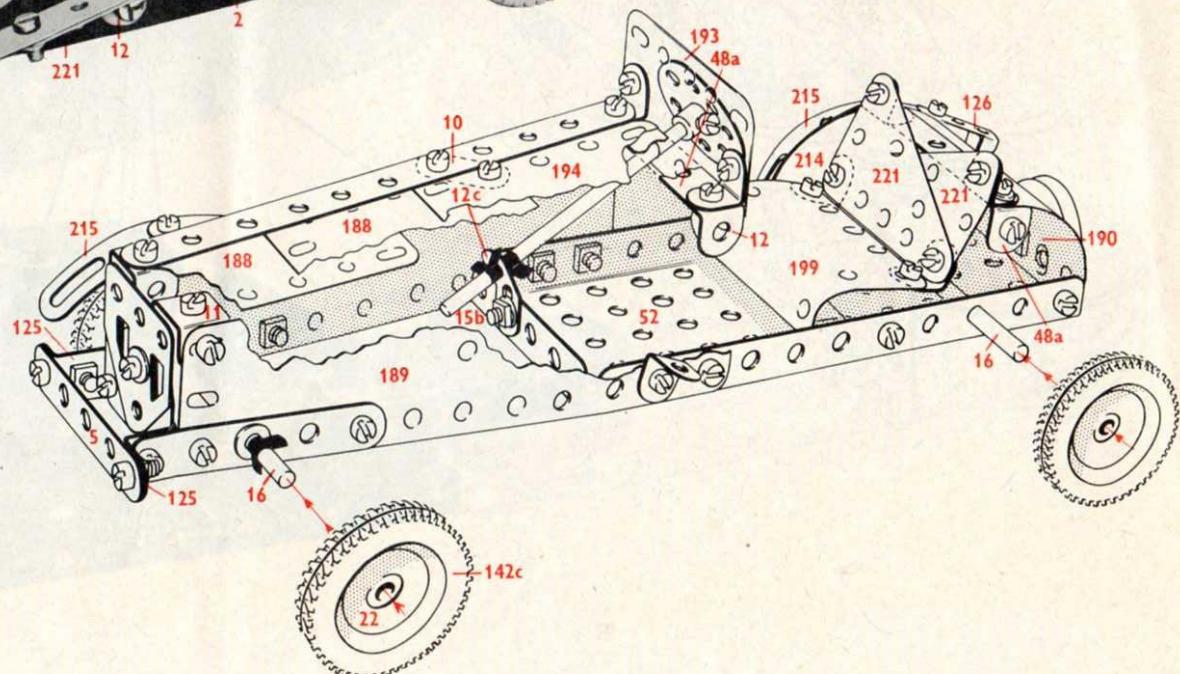
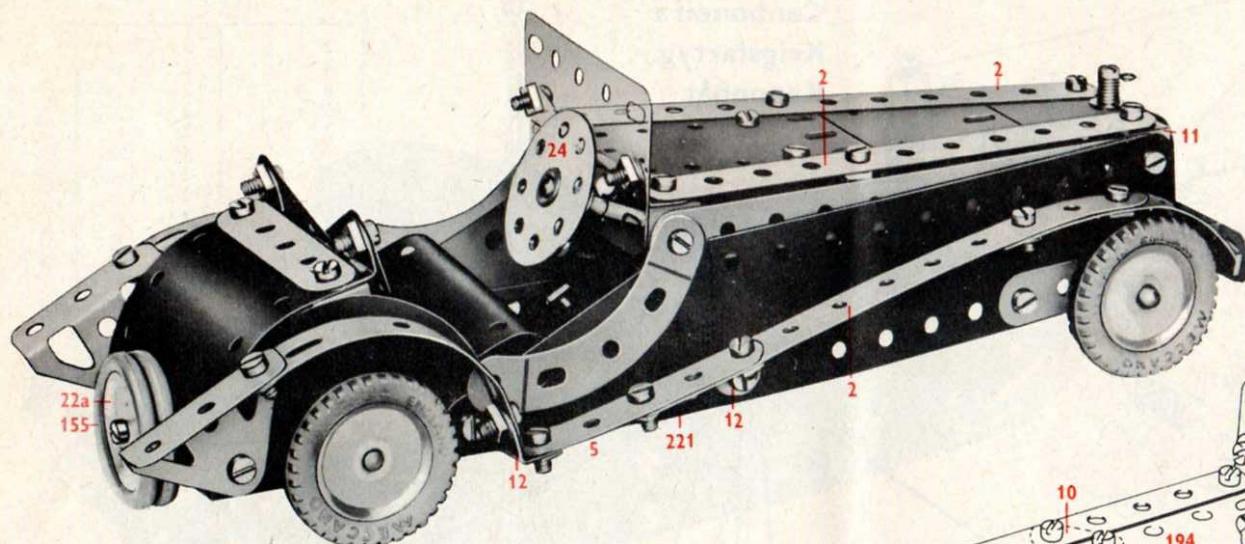
<b>3.2</b>	6 - 2	59 - 37a	2 - 189
9 -	5	56 - 37b	2 - 190
3 -	10	8 - 38	2 - 194
2 -	11	2 - 48a	1 - 194a
8 -	12	1 - 52	1 - 199
3 -	16	4 - 90a	1 - 212
1 -	17	3 - 111c	1 - 213
1 -	18a	2 - 125	2 - 214
4 -	22	2 - 126	4 - 215
1 -	23	2 - 126a	4 - 221
2 -	24	4 - 142c	
2 -	35	1 - 176	

**3.3 Gun Boat  
Cañonero  
Canhoneira  
Krigsfartyg  
Kanonbåt**



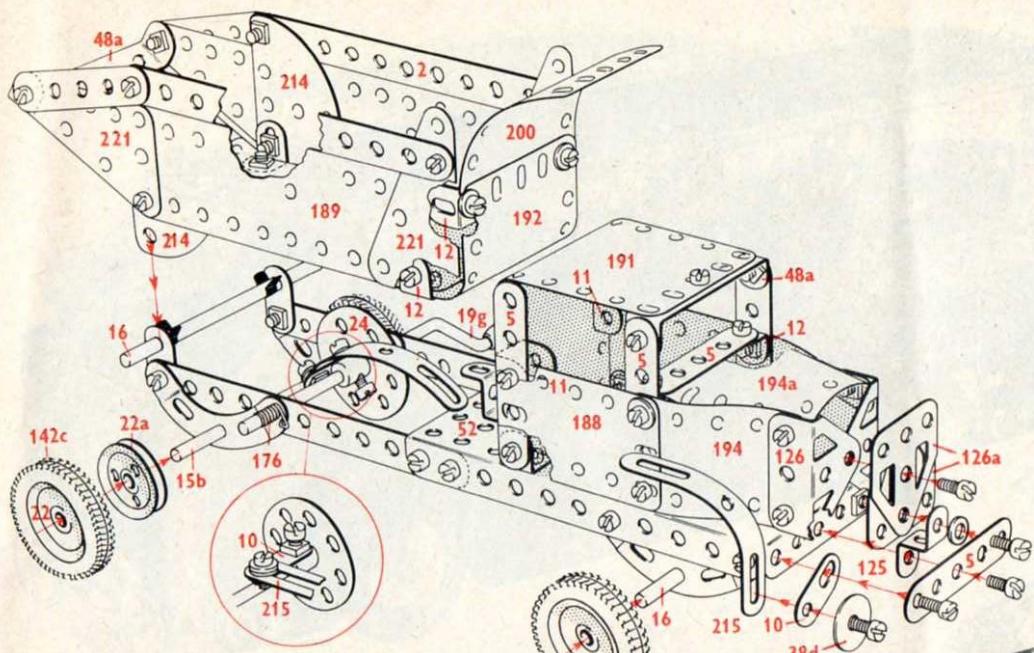
<b>3.3</b>	2	-	1	4	-	90a
	4	-	2	3	-	111c
	8	-	5	2	-	125
	5	-	10	2	-	126
	2	-	11	2	-	126a
	10	-	12	1	-	176
	3	-	16	2	-	188
	2	-	17	2	-	189
	1	-	18a	2	-	190
	1	-	18b	2	-	192
	4	-	22	2	-	194
	6	-	35	2	-	194a
	60	-	37a	1	-	200
	54	-	37b	1	-	212
	10	-	38	1	-	213
	1	-	40	1	-	214
	2	-	48a	4	-	215
	1	-	52	4	-	221

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

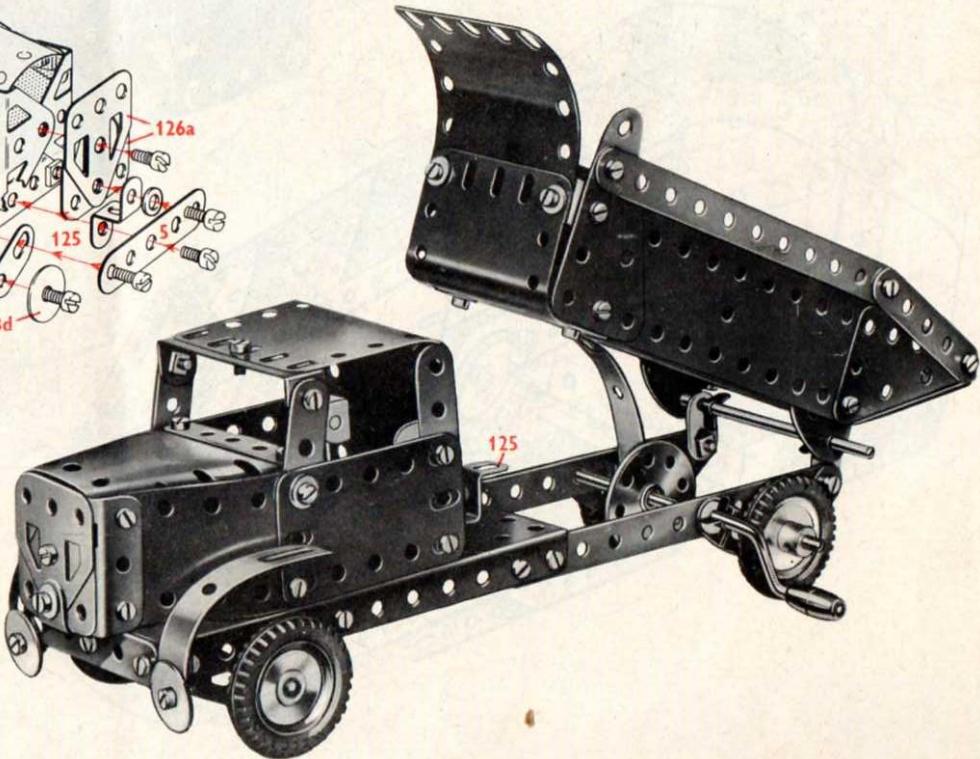


3.4	6 - 2	4 - 111c
	6 - 5	2 - 125
	3 - 10	2 - 126
	2 - 11	2 - 126a
	10 - 12	4 - 142c
	1 - 15b	2 - 155
	2 - 16	1 - 176
	4 - 22	2 - 188
	2 - 22a	2 - 189
	1 - 24	1 - 193
	4 - 35	1 - 194
	60 - 37a	1 - 199
	56 - 37b	1 - 200
	5 - 38	2 - 214
	2 - 48a	4 - 215
	1 - 52	4 - 221
	2 - 90a	

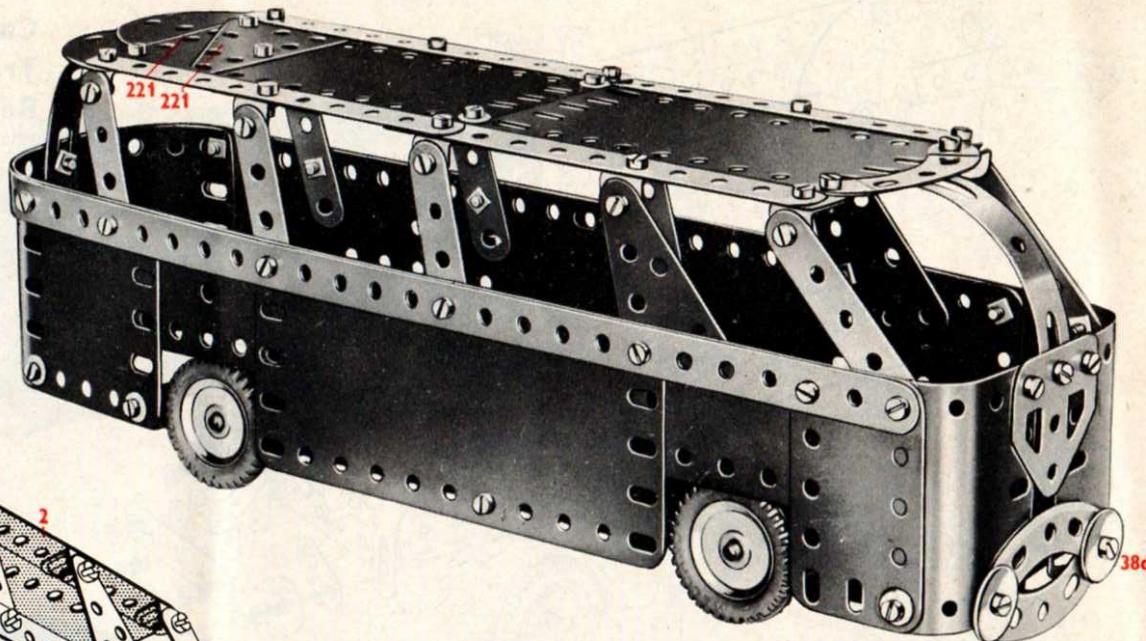
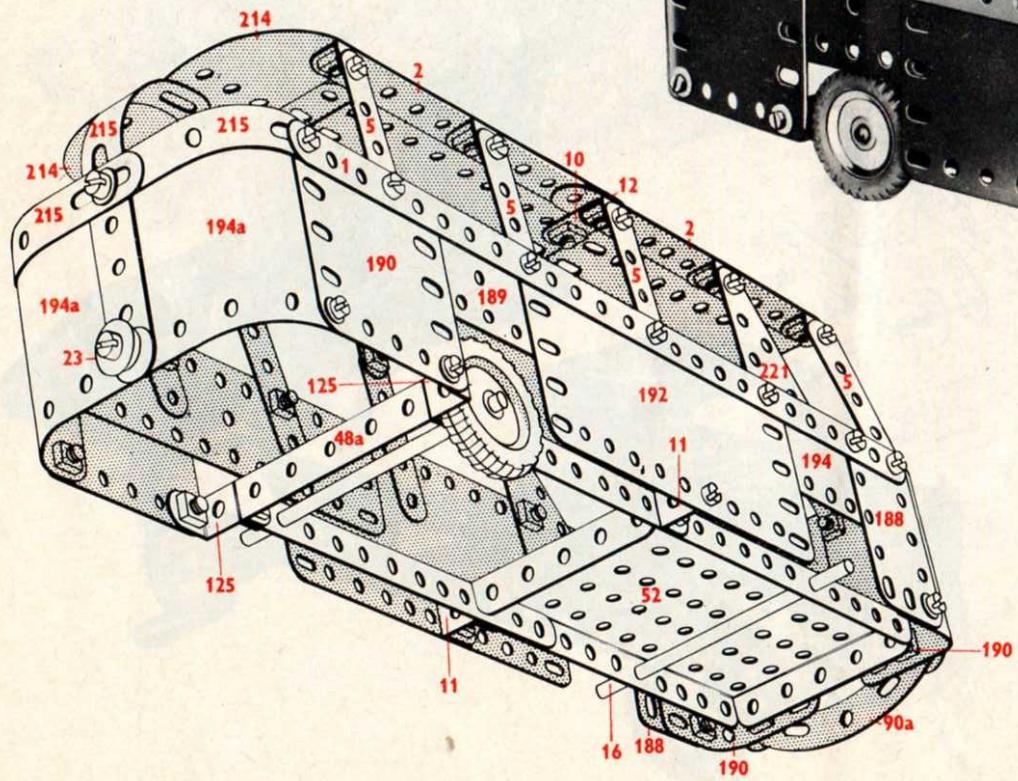
**3.5 Dumper Truck**  
**Camión volcador**  
**Camião basculante**  
**Truck**  
**Renovasjonsbil**



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

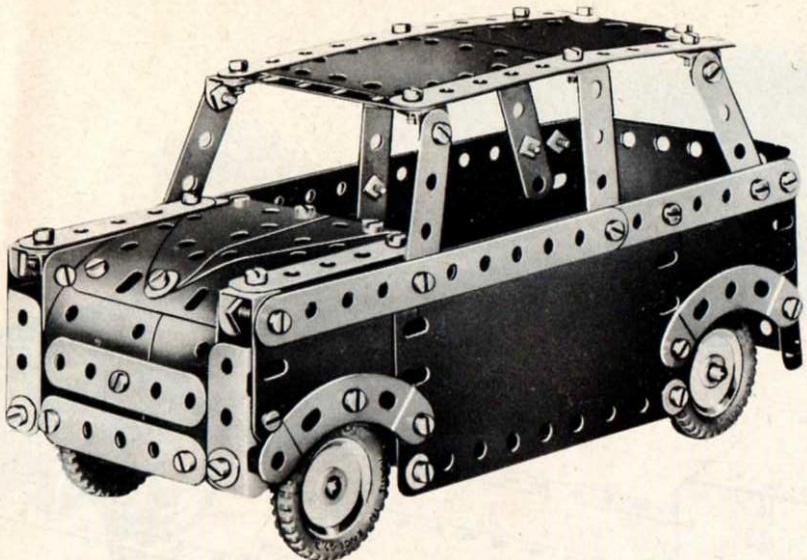


**3.6 Observation Coach**  
**Coche observatorio**  
**Auto-carro de passeio**  
**Turistbuss**  
**Utkikksvogn**

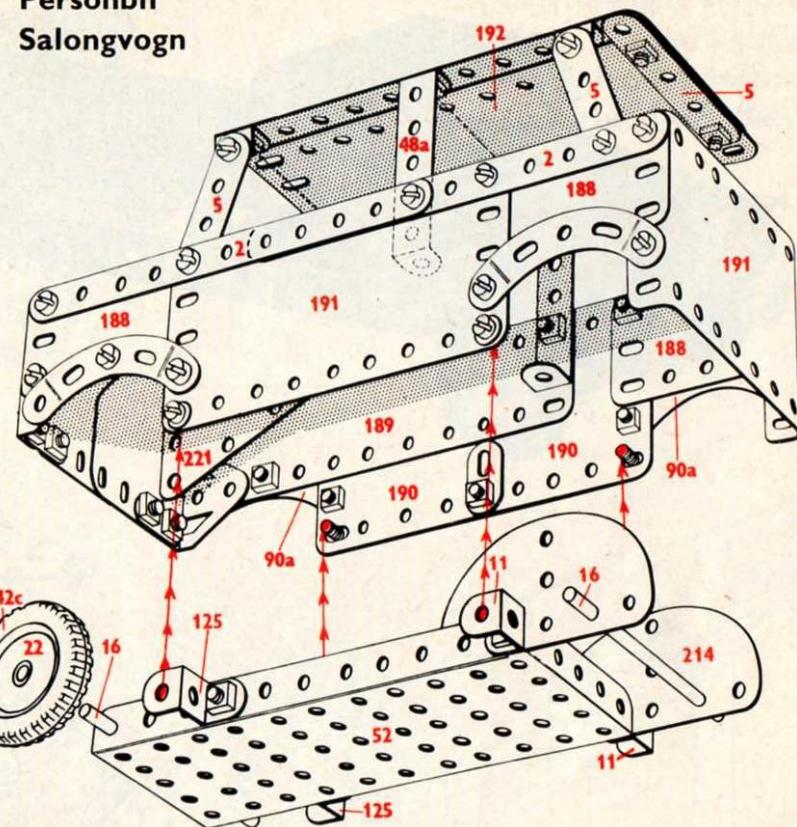
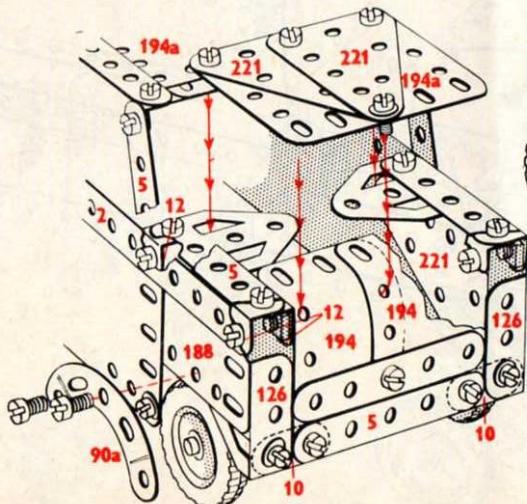


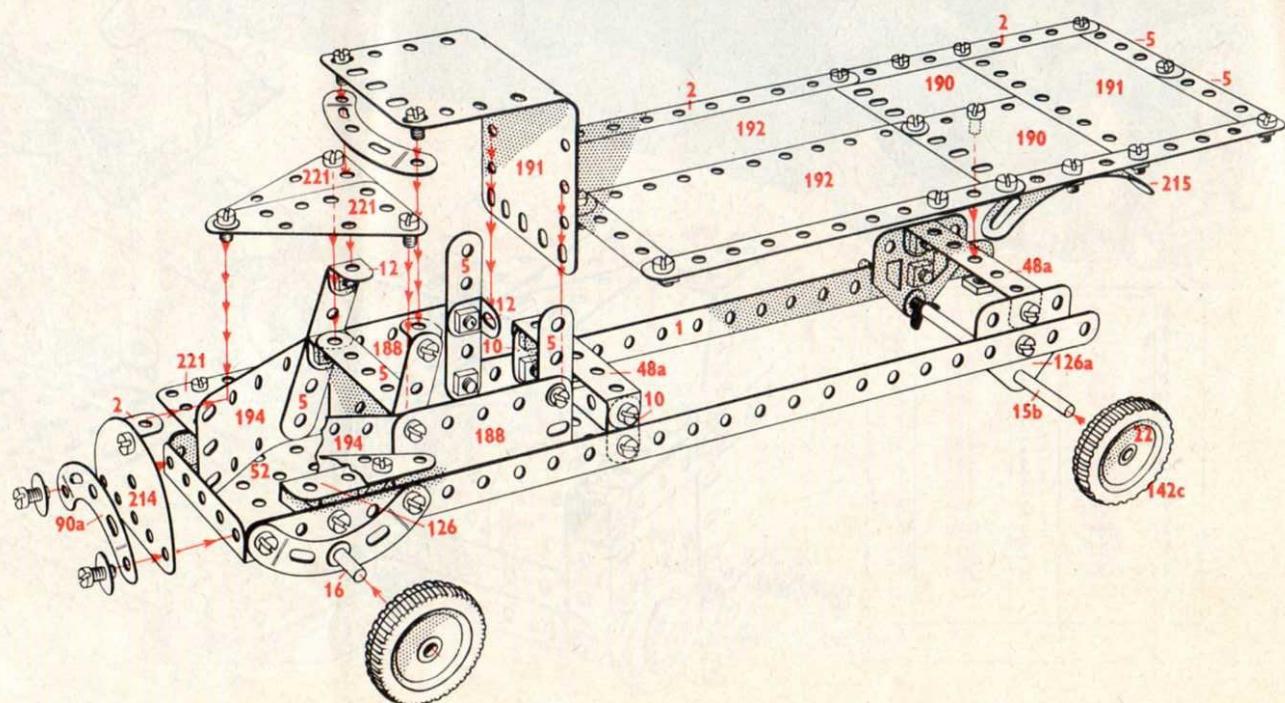
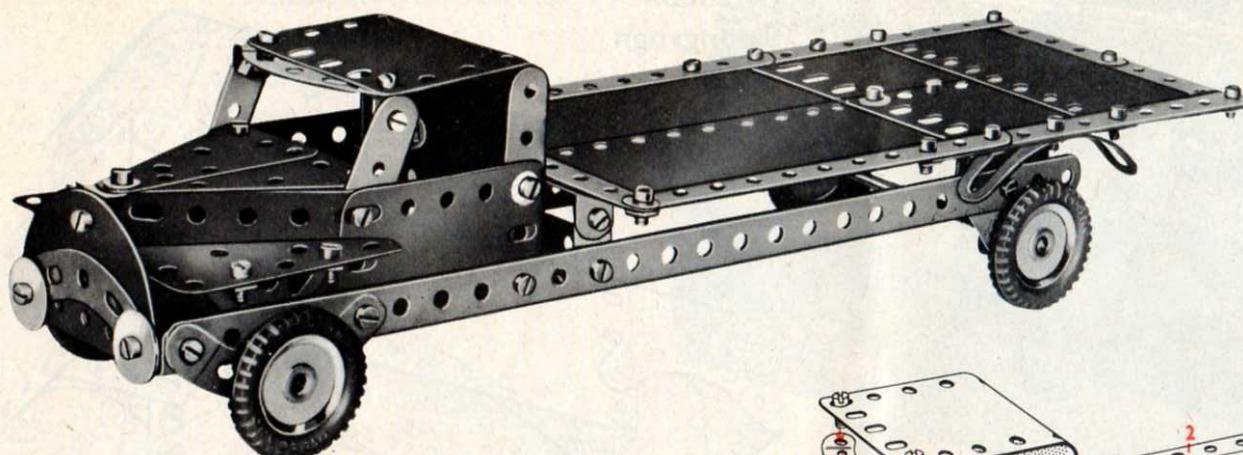
<b>3.6</b>	2	-	1	4	-111c
	6	-	2	2	-125
	9	-	5	1	-126a
	4	-	10	4	-142c
	2	-	11	2	-188
	10	-	12	2	-189
	2	-	16	2	-190
	4	-	22	2	-191
	1	-	23	2	-192
	60	-	37a	2	-194
	56	-	37b	2	-194a
	10	-	38	1	-199
	2	-	38d	1	-200
	1	-	48a	2	-214
	1	-	52	2	-215
	3	-	90a	4	-221

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



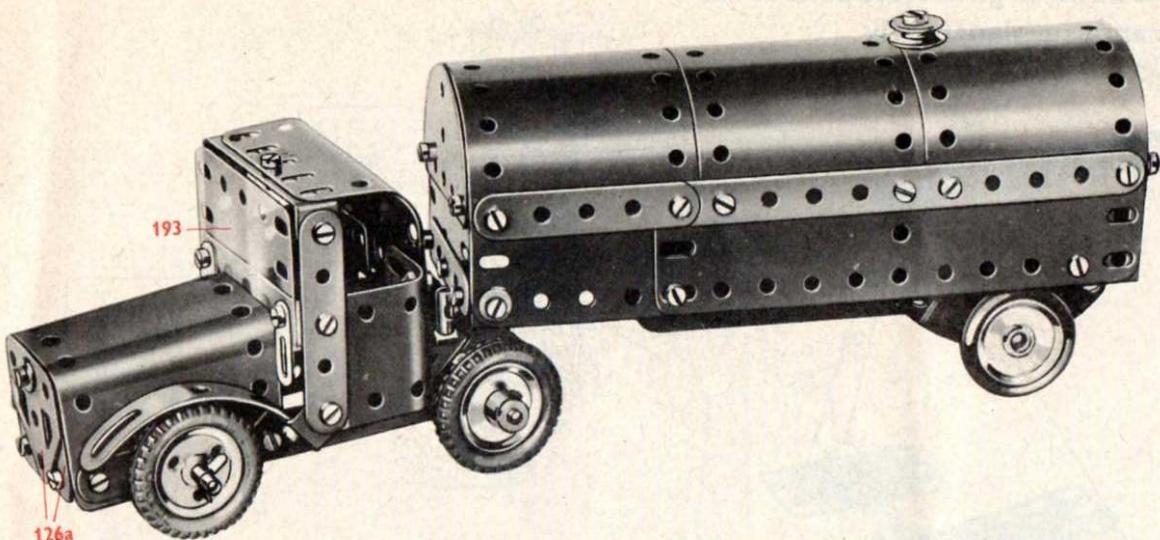
3.7	6 - 2	2 - 125
	9 - 5	2 - 126
	3 - 10	2 - 126a
	2 - 11	4 - 142c
	10 - 12	2 - 188
	2 - 16	2 - 189
	4 - 22	2 - 190
	60 - 37a	2 - 191
	56 - 37b	2 - 192
	9 - 38	2 - 194
	2 - 48a	2 - 194a
	1 - 52	2 - 214
	4 - 90a	4 - 221
	4 - 111c	



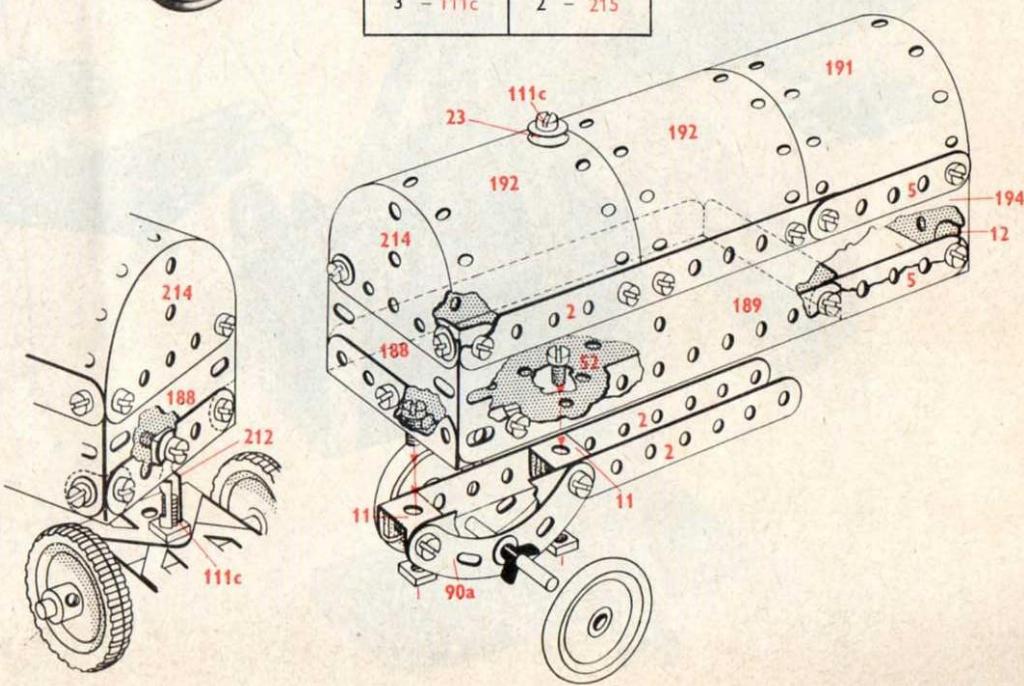
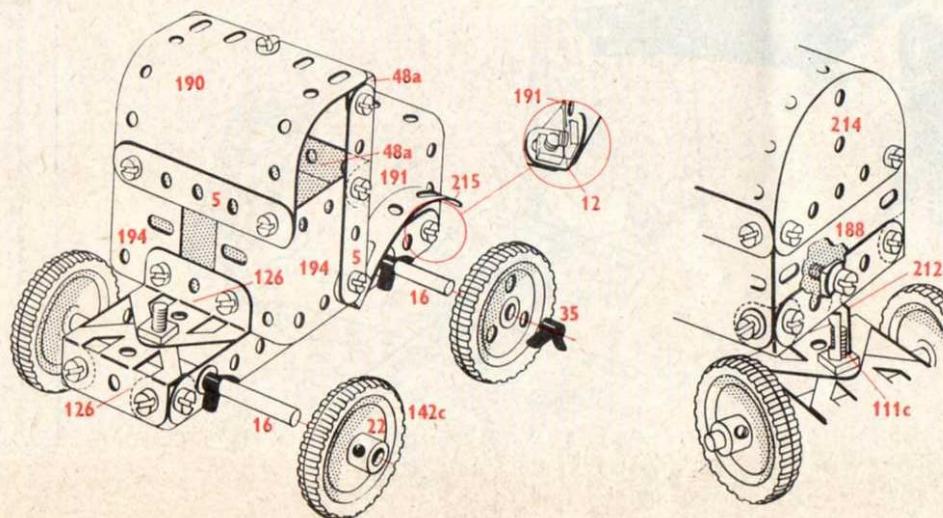


3.8	2 - 1	1 - 52
	4 - 2	4 - 90a
	9 - 5	2 - 126
	2 - 10	2 - 126a
	7 - 12	4 - 142c
	1 - 15b	2 - 142c
	1 - 16	2 - 188
	4 - 22	2 - 190
	2 - 35	2 - 191
	53 - 37a	2 - 192
	53 - 37b	2 - 194
	8 - 38	1 - 214
	2 - 38d	2 - 215
	2 - 48a	4 - 221

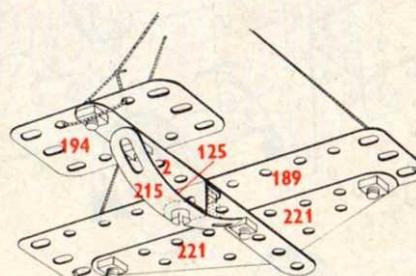
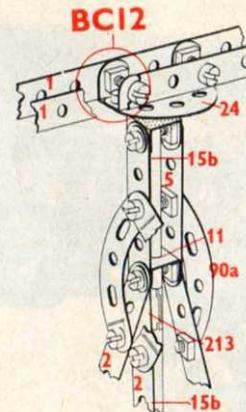
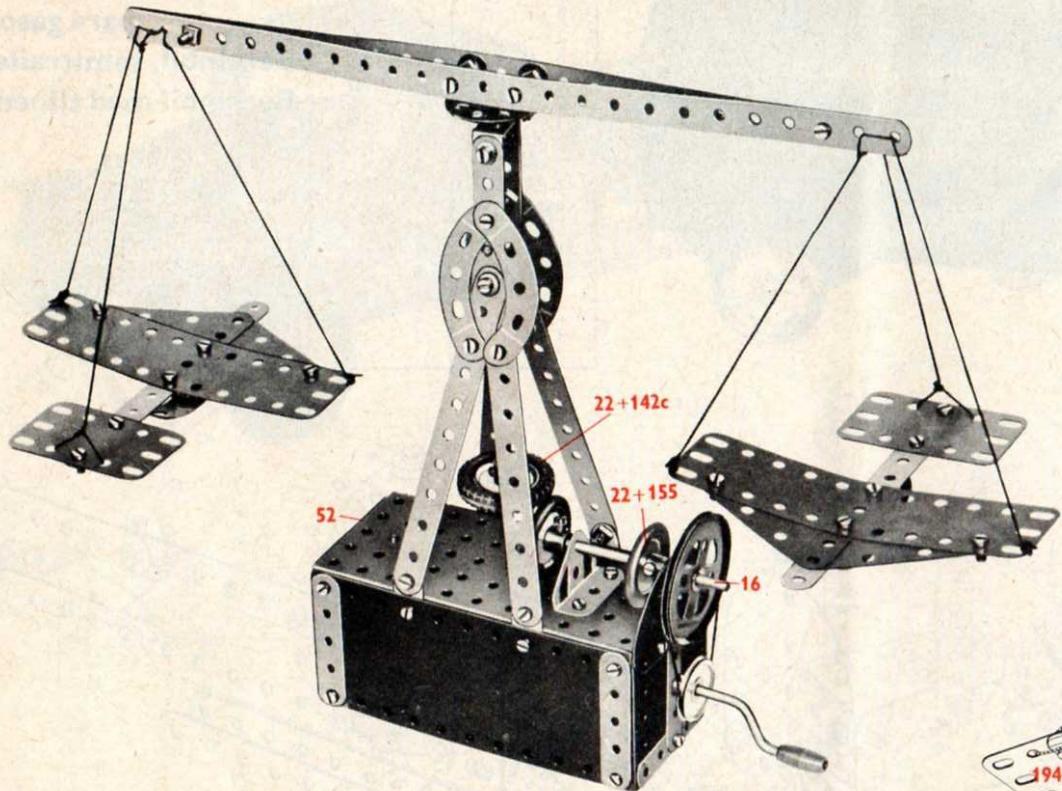
**Articulated Petrol Tanker/Tanque de  
gasolina articulado**  
**Carro tanque articulado  
para gasolina**  
**Bensinbil, semitrailer**  
**Bensinbil med tilhenger**



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**

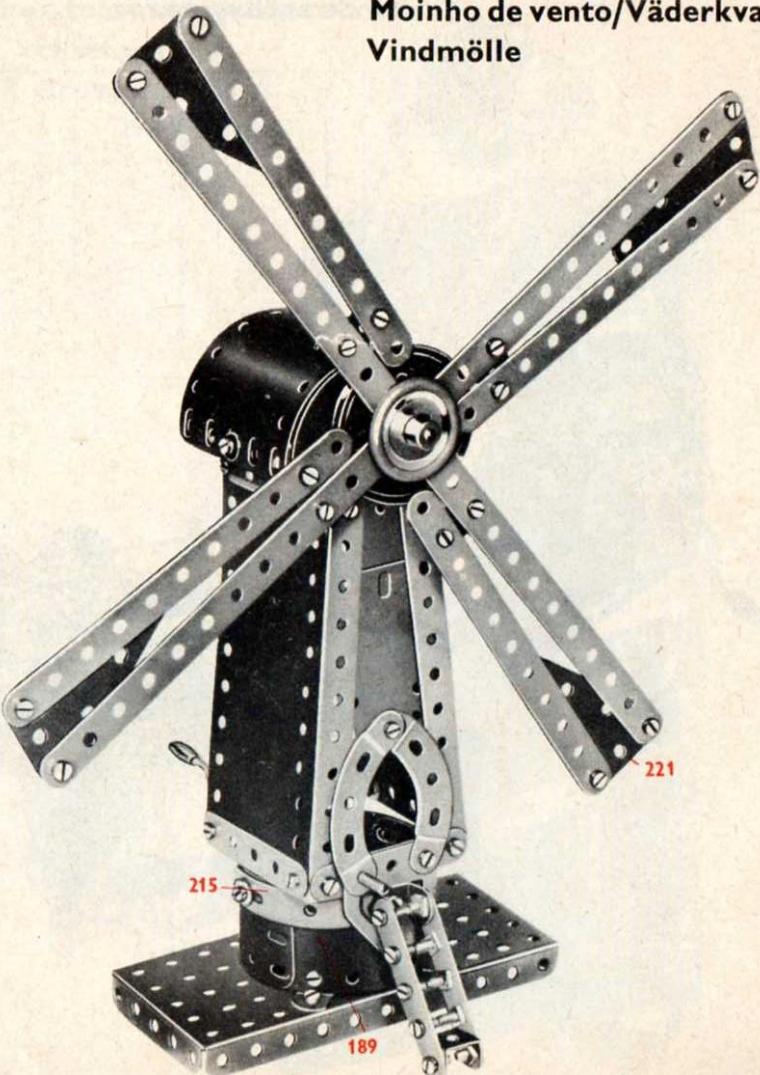
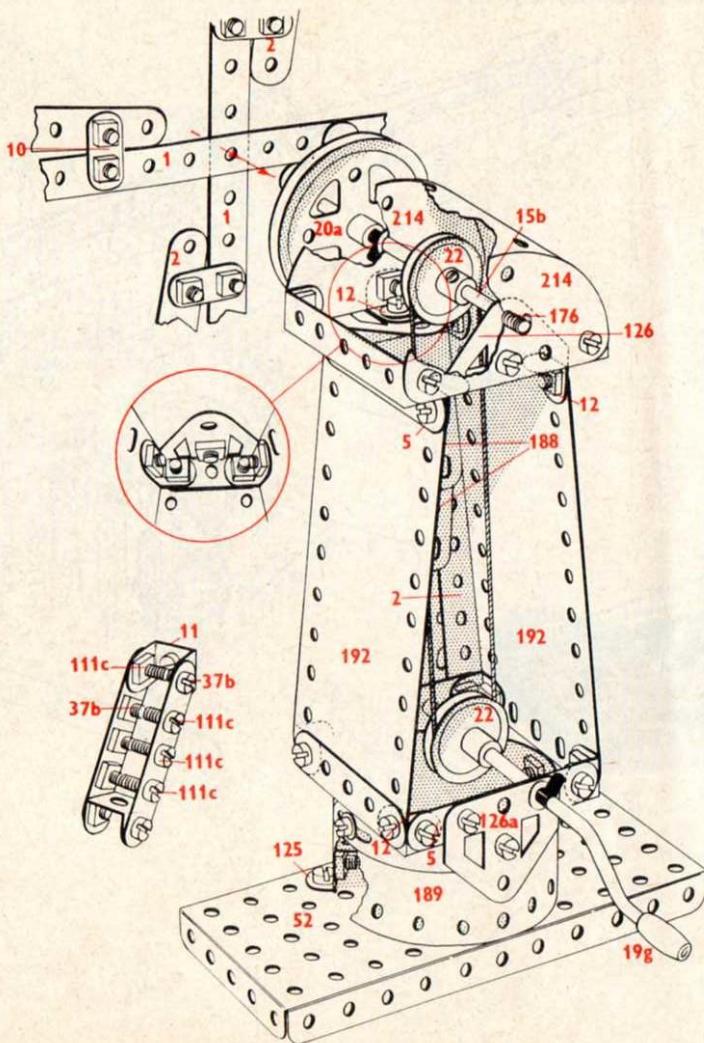


3.10	2 -	1
	6 -	2
	9 -	5
	4 -	10
	2 -	11
	4 -	12
	2 -	15b
	1 -	16
	1 -	19g
	1 -	20a
	4 -	22
	2 -	24
	60 -	37a
	56 -	37b
	6 -	38
	1 -	40
	2 -	48a
	1 -	52
	4 -	90a
	4 -	111c
	2 -	125
	2 -	126
	1 -	142c
	2 -	155
	2 -	188
	2 -	189
	1 -	190
	2 -	192
	2 -	194
	1 -	213
	1 -	214
	2 -	215
	4 -	221

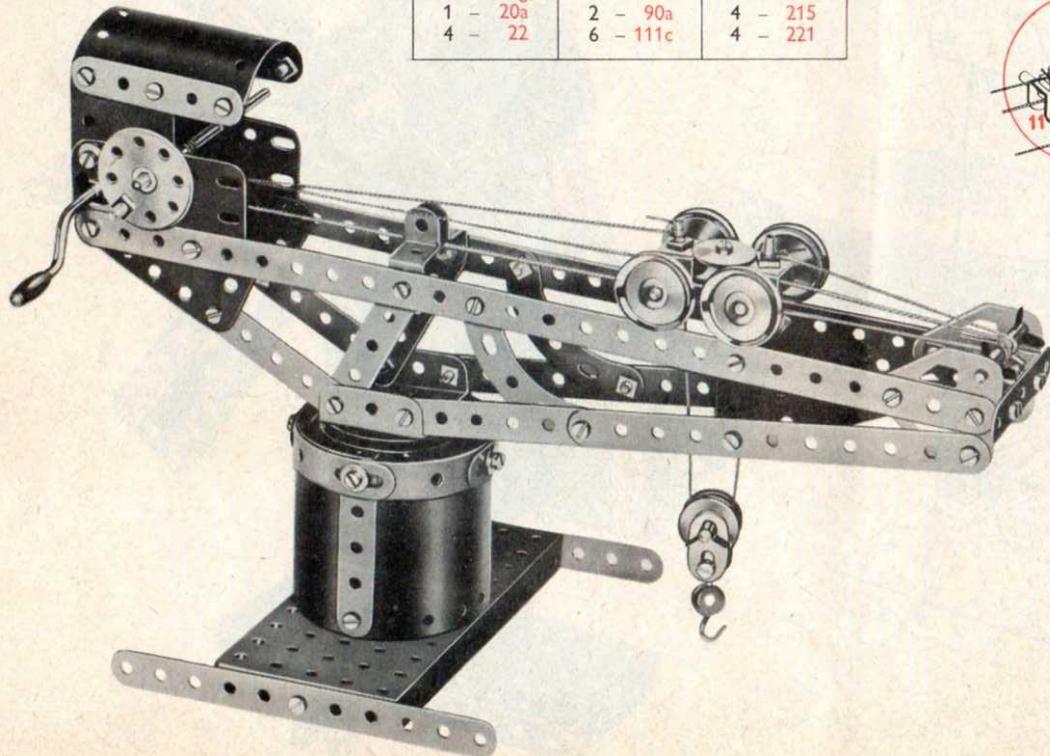
### 3.11 Windmill/ Molino de viento Moinho de vento/Väderkvarn Vindmölle

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

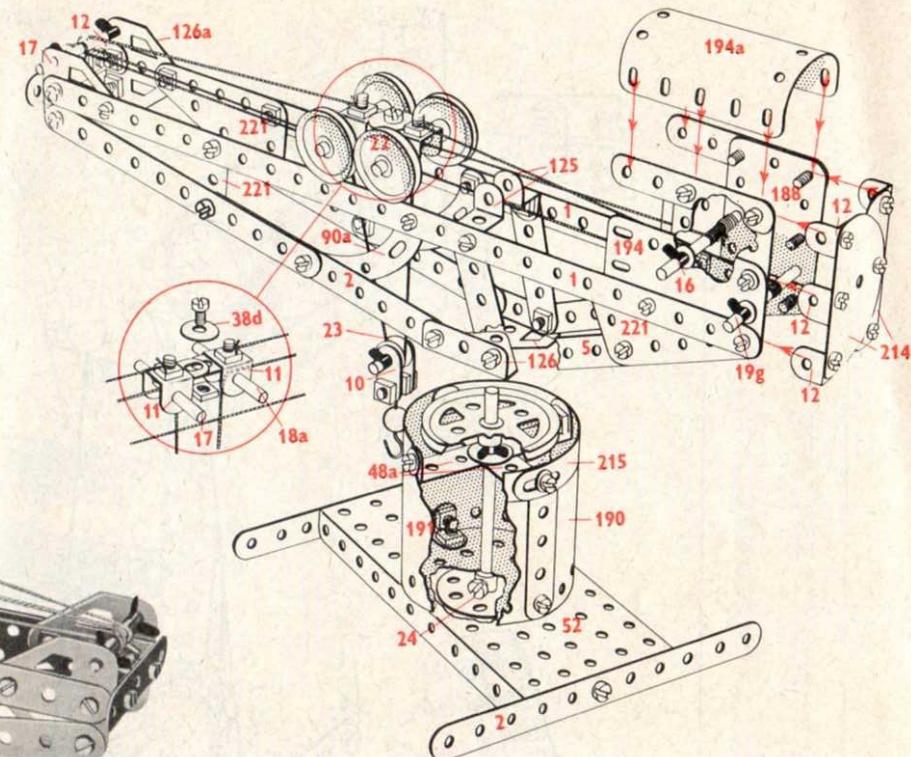


**3.12 Block-setting Crane/Grúa asentadora de hormigón/Guindaste para colocação de blocos  
Traverskran/Byggekran**

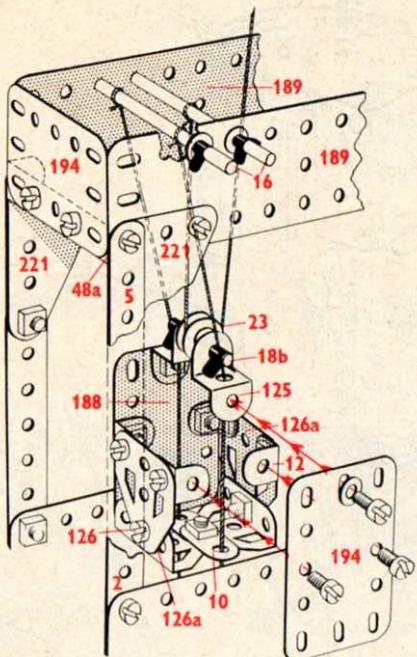


3.12

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

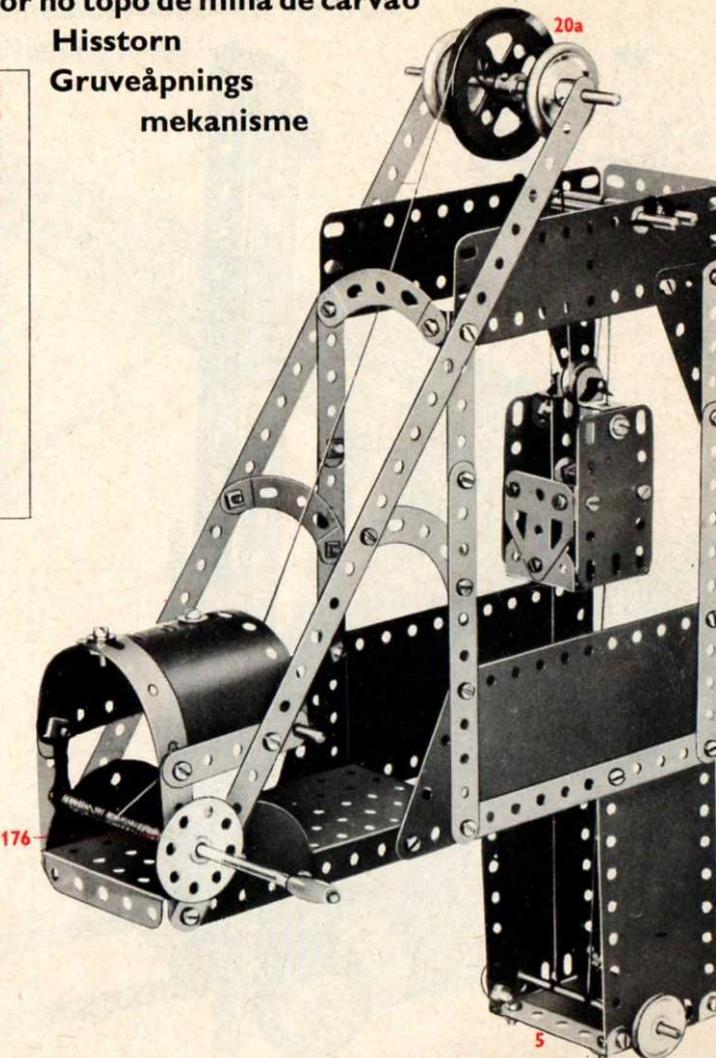
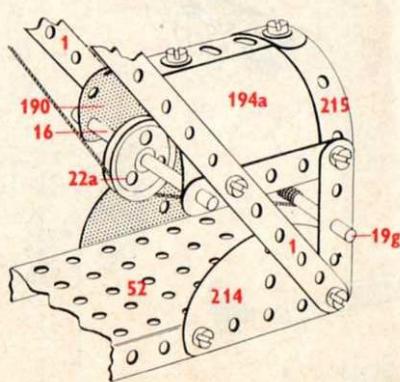


3.13

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

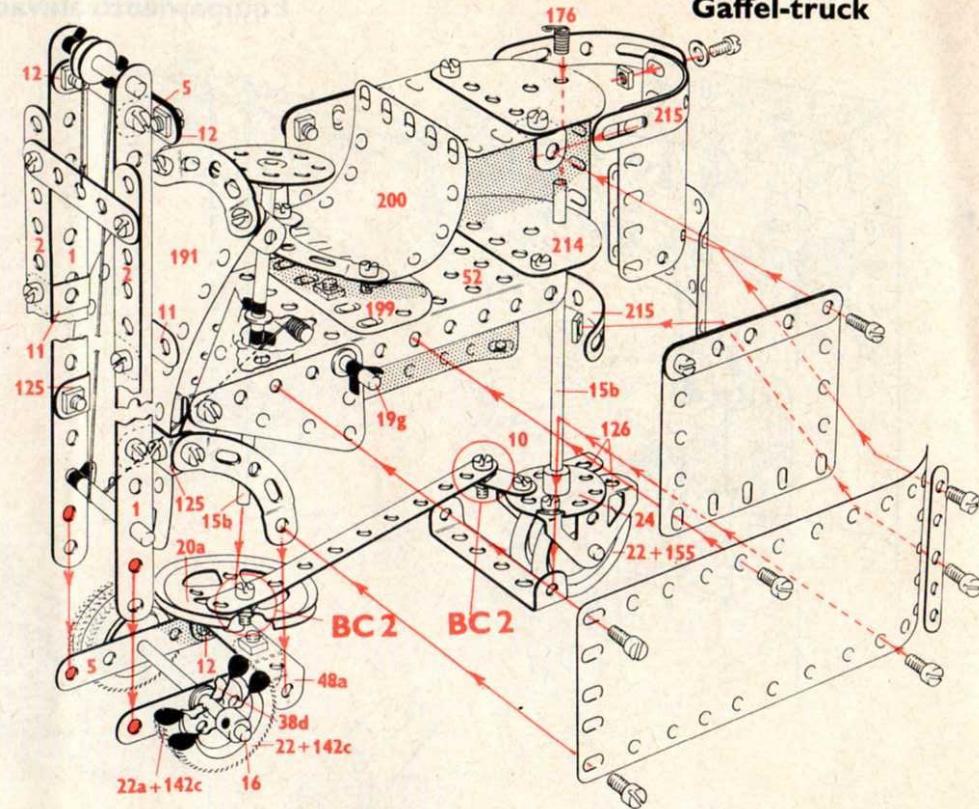
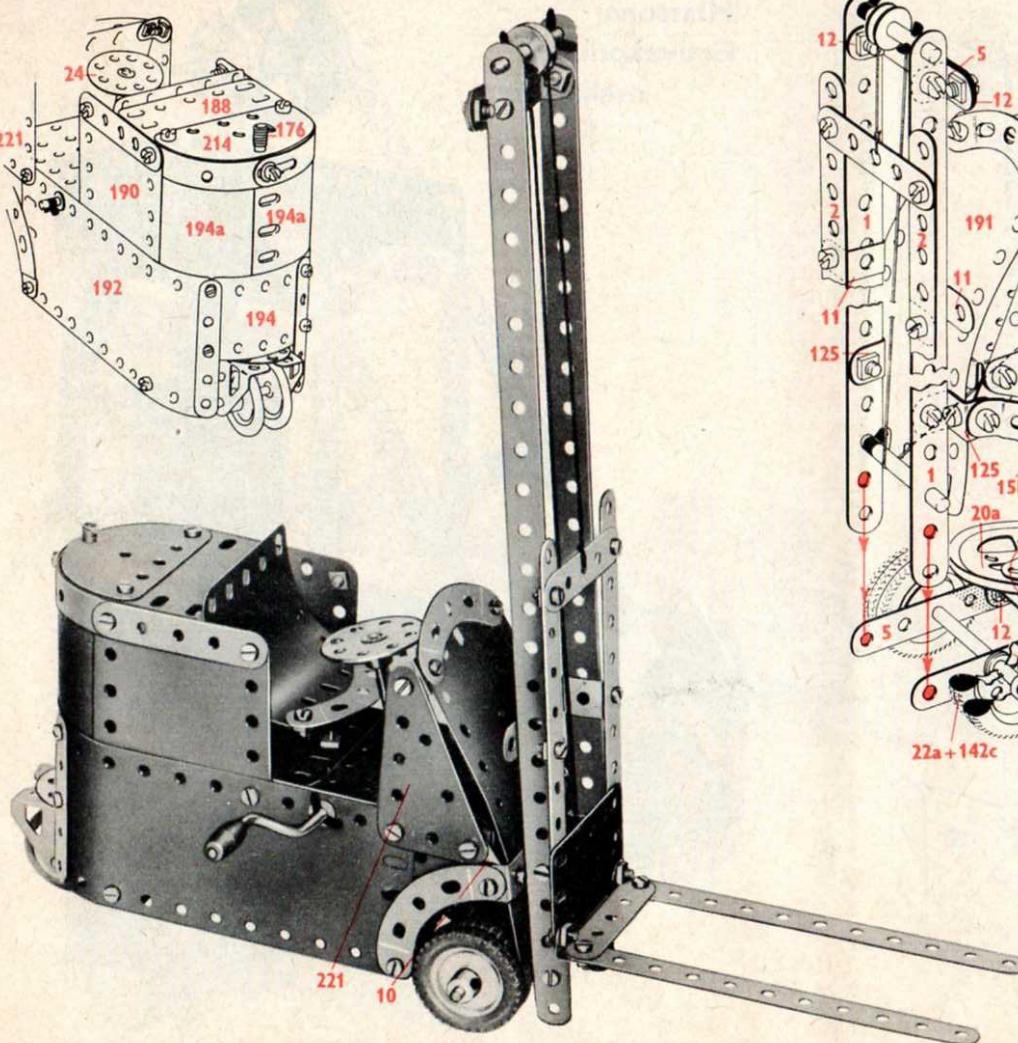
3.13

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



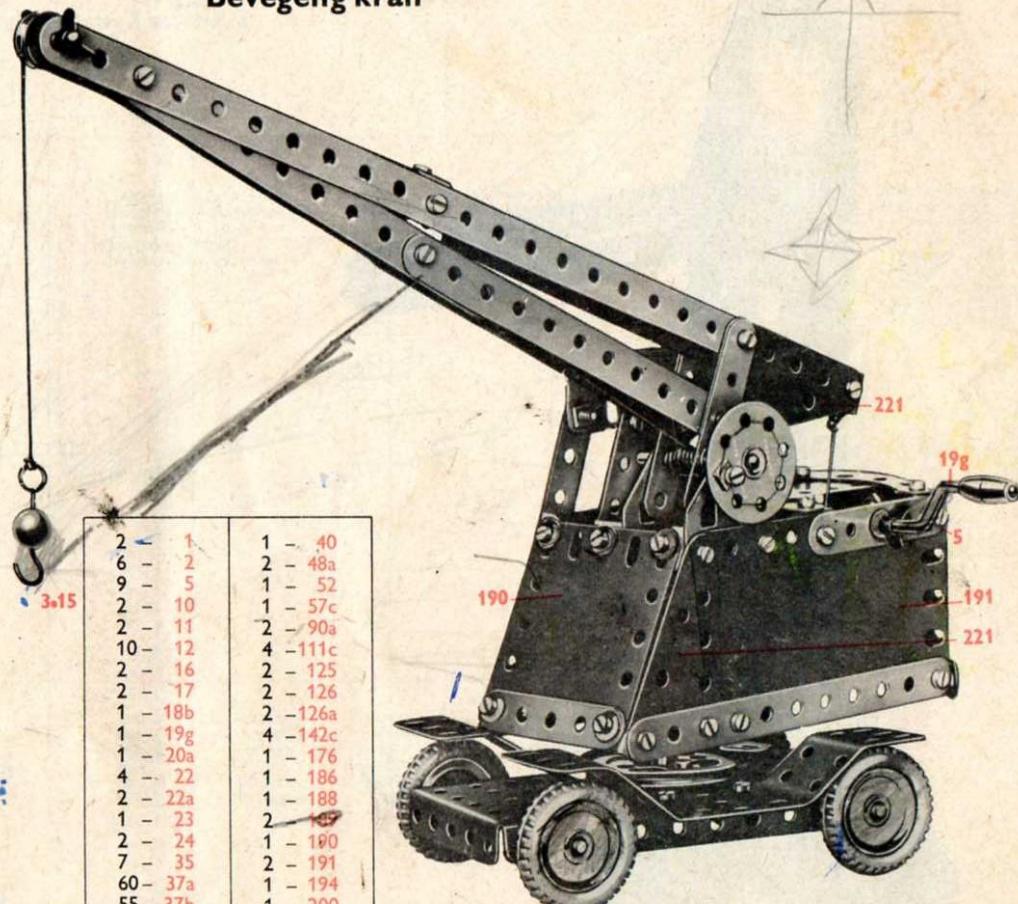
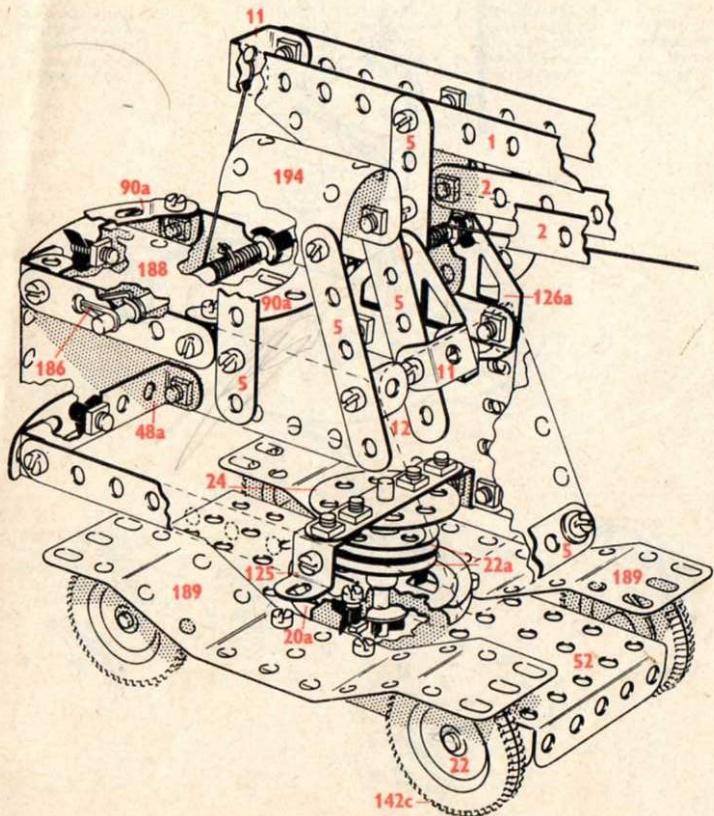
## 3.14 Fork-lift Truck/Carreta de horquilla/Camião elevador com garfo/Gaffeltruck

Gaffel-truck

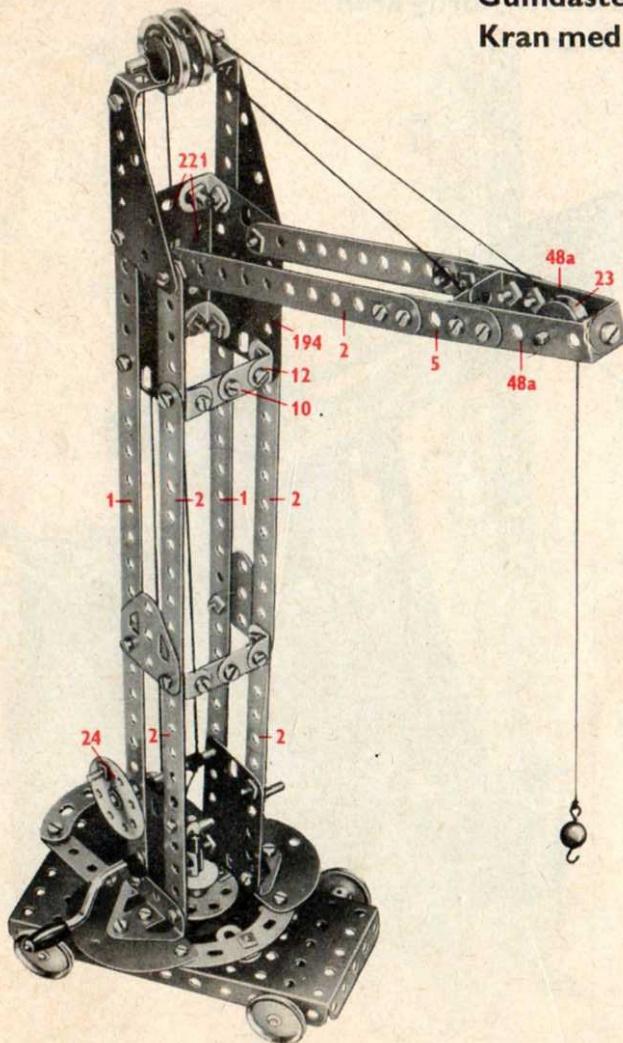


3.14	2 - 1	1 - 20a	2 - 48a	1 - 191
	5 - 2	4 - 22	1 - 52	2 - 192
	9 - 5	2 - 22a	4 - 90a	1 - 194
	3 - 10	1 - 23	3 - 111c	2 - 194a
	2 - 11	2 - 24	2 - 125	1 - 199
	10 - 12	8 - 35	2 - 126	1 - 214
	2 - 15b	60 - 37a	4 - 142c	2 - 214
	1 - 16	55 - 37b	2 - 155	3 - 215
	2 - 17	10 - 38	1 - 176	4 - 221
	1 - 18a	2 - 38d	2 - 188	
	1 - 19g	1 - 40	2 - 190	

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

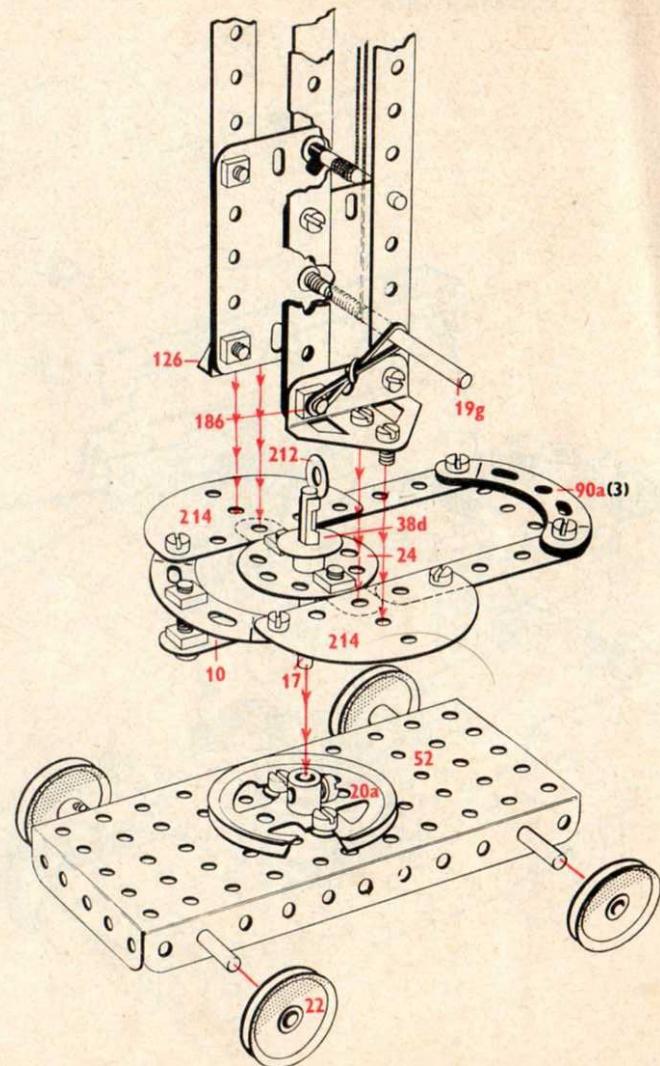


**3.16 Monotower Crane/Grúa de torre  
Guindaste de torre/Kran  
Kran med enkel utligger**



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 perfuradas  
Perforerade remsov  
Perforert bånd

Fishplate  
Soporte plano  
Suporte plano  
Flat hållare  
Skilleplate  
Soporte  
doble  
Suporte  
duplo  
Dubbelt-  
hållare  
Dobbelt-  
brakett

Double  
Bracket  
Soporte  
angular  
Soporte angular  
Vinkelhållare  
Vinkelbrackett

Angle Bracket  
Soporte angular  
Soporte angular  
Vinkelhållare  
Axelstänger  
Stenger

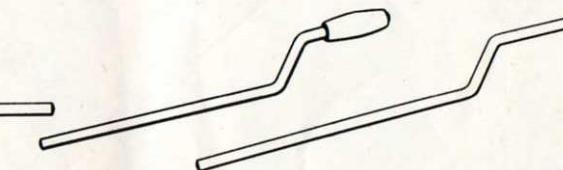
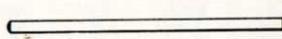
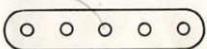
Rods  
Varillas  
Varetas de eixo  
Vinkelhållare  
Axelstänger  
Stenger

Crank Handle (with grip)  
Mango de cigüeña (con puño)  
Manivela (com 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 diâmetro 5 cm  
Linhjul - 5 cm diameter  
Remskive 51 mm diameter

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



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

10

11

12

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

19g

19s

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  
Mutter

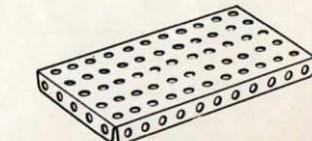
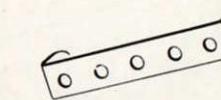
Bolt  
Perno  
Parafuso  
Bult  
Bolt

Washer  
Arandela  
Arruela  
Bricka  
Mellomleggskive

Washer  
Arandela  
Arruela  
Bricka  
Mellomleggskive

Double Angle Strip  
Tira doblada  
Tira dobrada  
Dubbelvinkelremsa  
Dobbelböjd barre

Flanged Plate  
Placa rebordeada  
Placa rebordeada  
Flänsplåt  
Plate med omböjd kant



22a - 1"; 2,5 cm

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

24

35

37a

37b

38

38d -  $\frac{1}{2}$ "; 2 cm48a - 2  $\frac{1}{2}$ " x  $\frac{1}{2}$ "; 6 cm x 1 cm52 - 5  $\frac{1}{2}$ " x 2  $\frac{1}{2}$ "; 14 cm x 6 cm

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

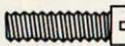
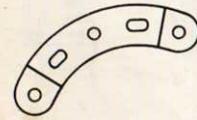
Nombres y números de las piezas Meccano que se usan en los modelos de los Equipos No. 2 y No. 3

Nomes e números das peças de Meccano incluidas nos 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 bruk 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) Bägremsa, bockad Buet barre	Bolt Perno Parafuso Bult Bolt	Reversed Angle Bracket Soporte angular inverso Suporte angular invertido Omvänt vinkelhällare Tilbakebøyd vinkelbrakett	Trunnion Muñón Cantoneira Vinkelbockad fästplåt Svingstykke, böyd	Flat Trunnion Muñón plano Aleta Flat fästplåt Svingstykke, flatt	Motor Tyre Neumático para rueda Pneu de auto Däck Bilring	Rubber Ring Anillo de caucho Aro de goma Gummiring Gummiring	Cord Anchoring Spring Resorte de enganche para cuerda Mola de prender cordel Föranknings- fjäder för Meccano-snöre Ankerfjaer for Snor	Flexible Plate Placa flexible Placa flexivel Bøjlig plåtar Bøyelig plate
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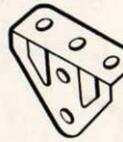


57c      90a

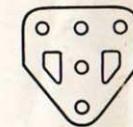
111c - 8" ; 1 cm



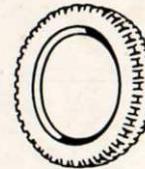
125



126



126a



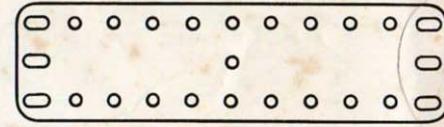
142c



155



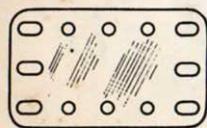
176



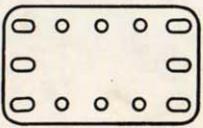
188 - 2½" x 1½"; 60 x 38 mm      189 - 5½" x 1½"; 140 x 38 mm      190 - 2½" x 2½"; 60 x 60 mm

191 - 4½" x 2½"; 11.5 x 6 cm      192 - 5½" x 2½"; 14 x 6 cm

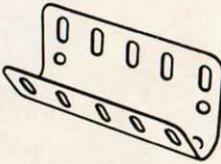
Plastic Plate (transparent) Placa plástica (transparente) Placa de plástico (transparente) Plastplåt (transparent) Plastplate (gjennomsiktig)
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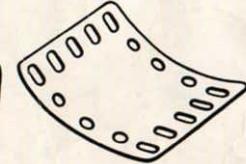
Plastic Plate, (red) Placa plástica (roja) Placa de plástico (vermelha) Plastplåtar (röd) Plastplate (rød)
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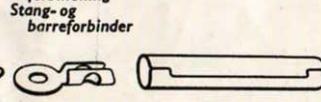
Curved Plate, U Section Placa curva en U Placa curva em U Bägplåt Buet plate, U-profil
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Curved Plate Placa curva Placa curva Bägplåt Buet plate
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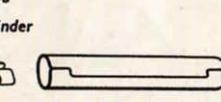


Rod and Strip Connector Pieza de conexión para varillas y tiras Junção de vareta e tira Stång- och remsa- förbindning Stang- og barreforbinder
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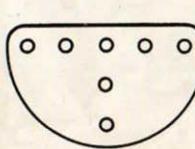
200

Rod Connector Pieza de conexión para varillas Luva de varetas Stångförbindning Stangforbinder
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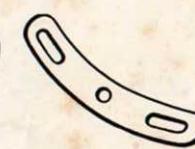
212

Semi-circular Plate Placa semi-circular Placa semi-circular Halvcirkelpålt Halvsirkelformet plate
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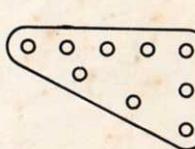
213

Formed Slotted Strip Tira curvada de 75 mm con muesca Tira curvada com ranhuras Formad remsa med springor Tilformet barre
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214

Triangular Flexible Plate Placa flexible triangular Placa flexivel triangular Trekantig bøjlig plåt Trekantet bøyelig plate
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221