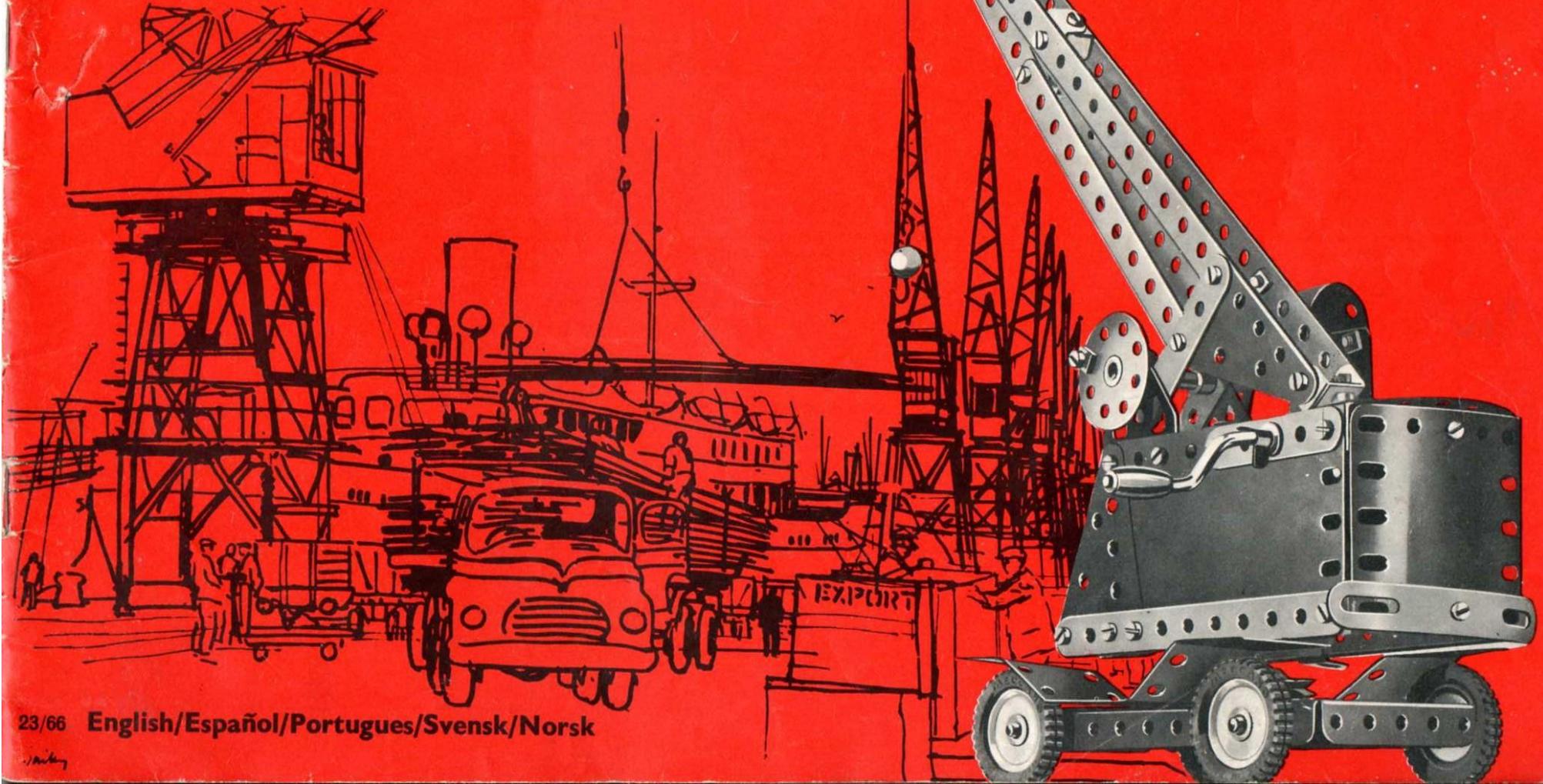


# MECCANO®

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# 2/3

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23/66 English/Español/Portugues/Svensk/Norsk

## 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 dum 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 catalogo das peças são imprimidos a VERMELHO e as quantidades de cada peça a PRETO.

Algunas montagens simples são usadas muitas vezes em todas as especies de modelos. Chamam-se estas *Construções básicas do Meccano* e são ilustradas nas paginas 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, sabe-se que a construção dessa parte do modelo é semelhante ao construção ilustrada 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 Electrico 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. Delarnasom användes 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 åtföljes 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 gång efter annan i alla slags modeller. Dessa kallas *Meccano grundkonstruktioner* och är avbildade på sidorna 15 och 16 i modellbok O/1. Var och en har ett speciellt kodnummer så som 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 avgiven i ritningarna med ett av de följande kodnumren:

M1=Meccano fjädermotor *Magic*; 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 modell-samlingen som er vist i denne boken, kan i alminnelighet kjennes igjen på illustrasjonene, men hvor du ikke sikkert kan kjenne igjen en viss del, er del-nummeret trykt i RÖTT på tegningen.

En liste over delene som trengs til å bygge hver modell er også med. I denne listen er delnumrene trykt i RÖTT, og antallet som går med er trykt i SORT. Noen konstruksjoner er ofte brukt i modell-byggingen. De blir kalt *Meccano grunnkonstruksjoner* 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 kodemerkene forekommer 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. De 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 Urverk 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

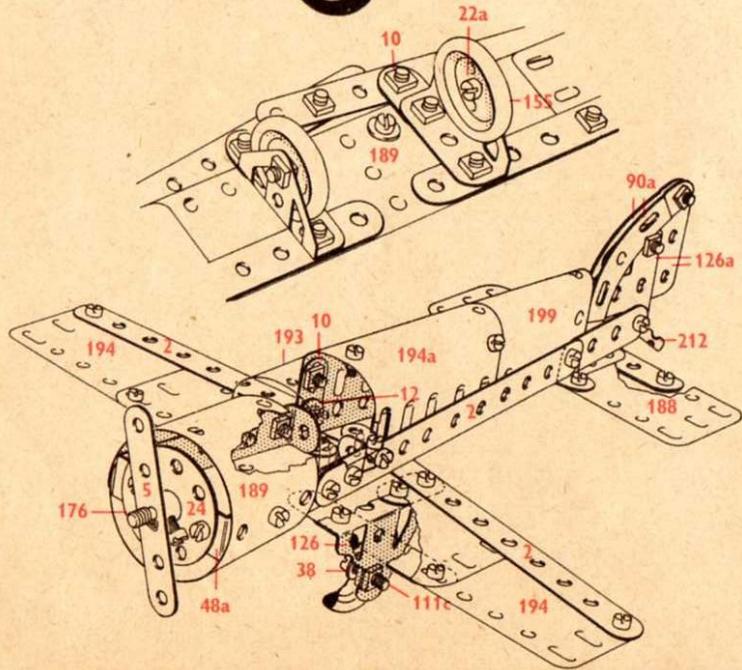
Part No. Pieza No. Peça No. nr.	Outfit Equipo Estojo Bygglåda Byggesett	Part No. Pieza No. Peça No. nr.	Outfit Equipo Estojo Bygglåda Byggesett
	2	3	2 3
1	—	2	52 1 1
2	4	6	57c 1 1
5	6	9	90a 2 4
10	4	5	111c 4 6
11	1	2	125 1 2
12	8	10	126 2 2
15b	—	2	126a 2 2
16	2	3	142c 4 4
17	2	2	155 2 2
18a	—	1	176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

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

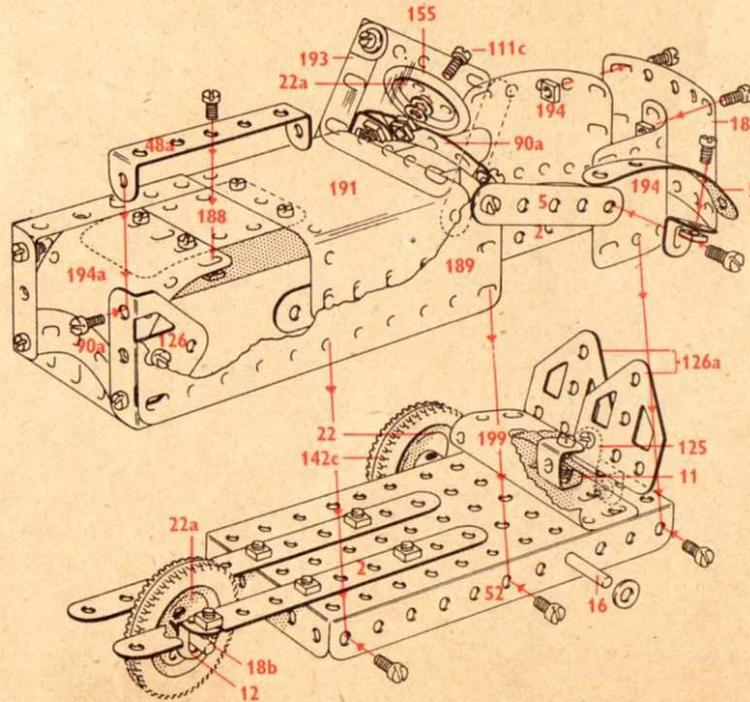
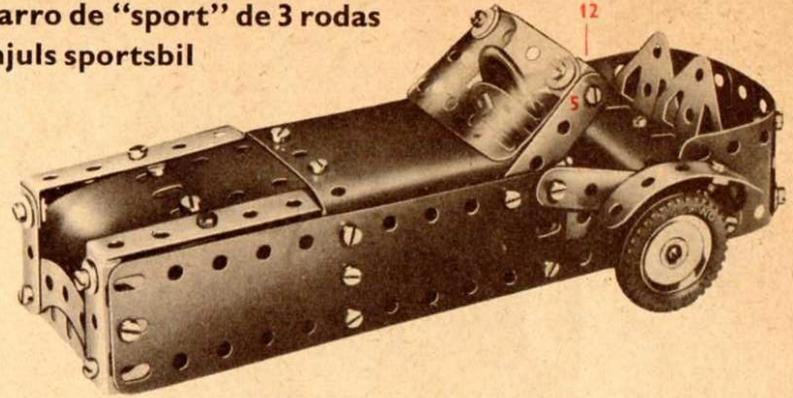


2.1

- 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



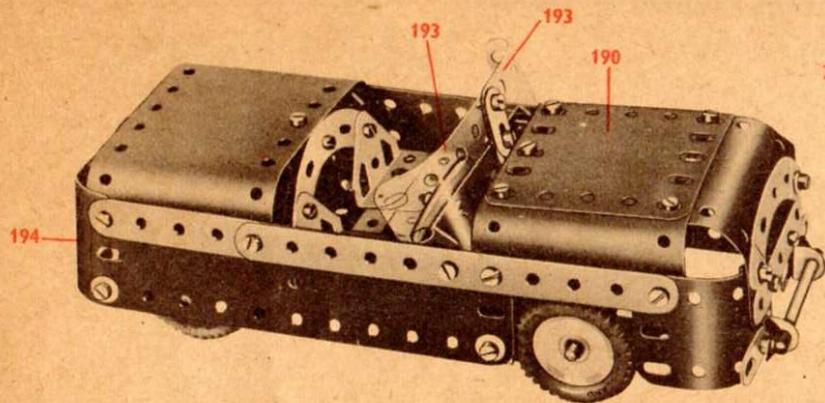
**2.2 3-Wheel Sports Car/Coche deportivo**  
**de 3 ruedas/Carro de "sport" de 3 rodas**  
**3 hjulig bil/3-hjuls sportsbil**



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
- 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

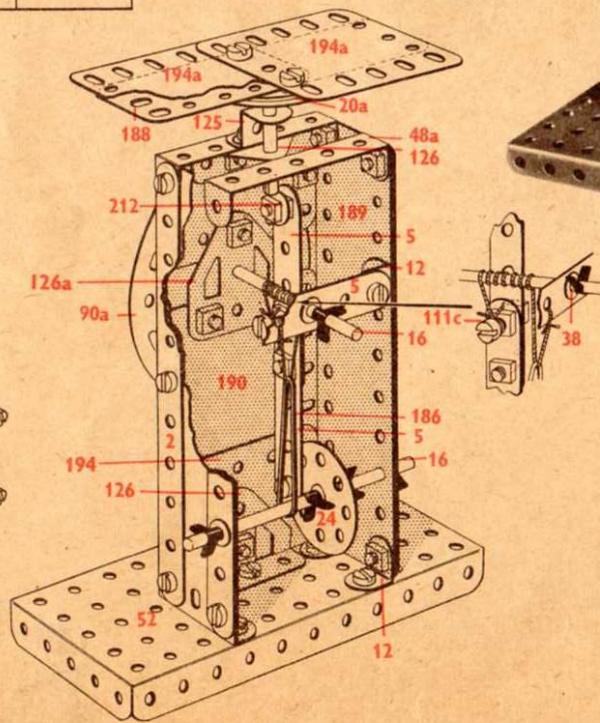
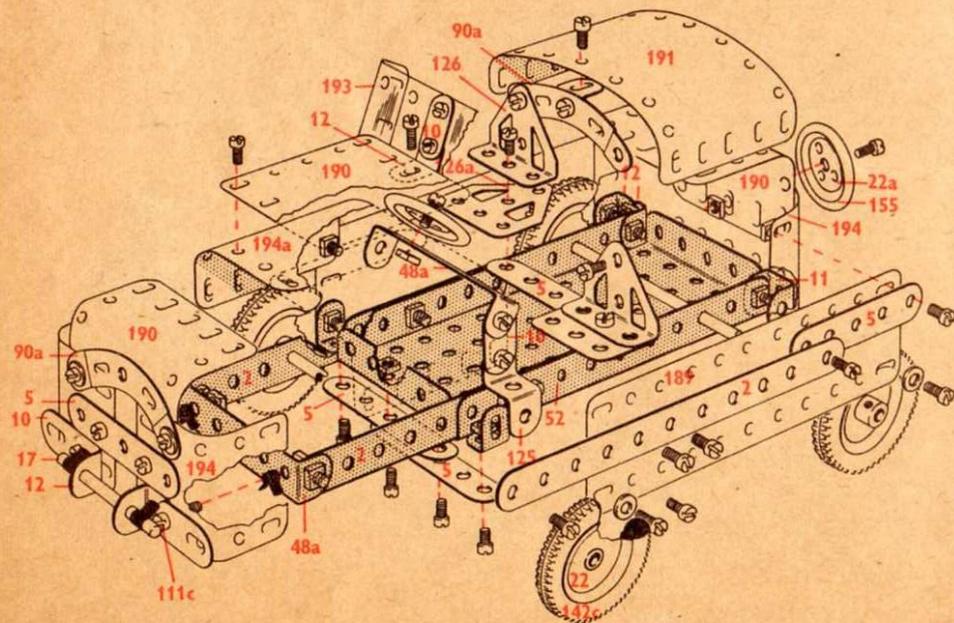
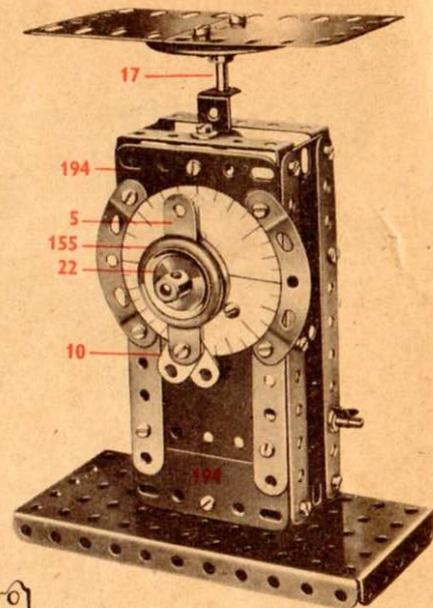
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6	-	5	4	-	111c
4	-	10	1	-	125
1	-	11	2	-	126
8	-	12	2	-	126a
2	-	16	4	-	142c
1	-	17	2	-	155
4	-	22	2	-	188
2	-	22a	2	-	189
4	-	35	2	-	190
52	-	37a	1	-	191
47	-	37b	2	-	193
10	-	38	2	-	194
2	-	48a	2	-	194a
1	-	52	1	-	199

### 2.4 Letter Balance/Pesa-Cartas

Balança de cartas

Brevvåg

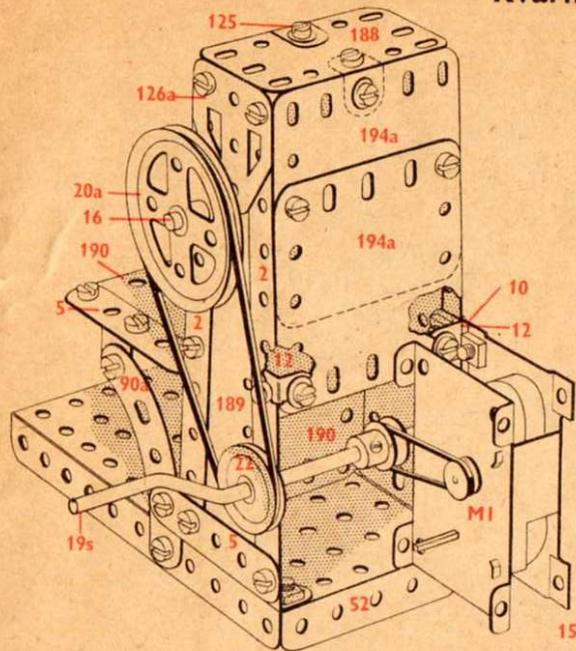
Brev-vekt



2.4

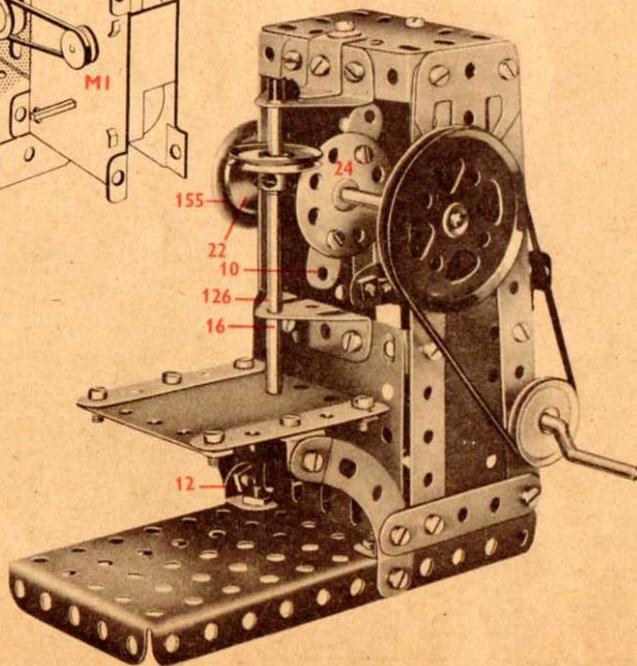
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6	-	5	2	-	90a
2	-	10	1	-	111c
6	-	12	1	-	125
2	-	16	2	-	126
1	-	17	1	-	126a
1	-	20a	2	-	155
2	-	22	1	-	186
1	-	24	2	-	188
5	-	35	2	-	189
39	-	37a	1	-	190
35	-	37b	2	-	194
5	-	38	2	-	194a
1	-	40	1	-	212
2	-	48a			

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

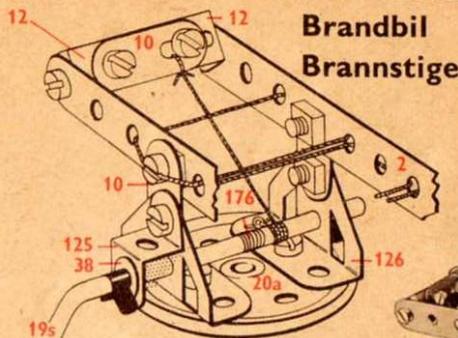


2.5

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			

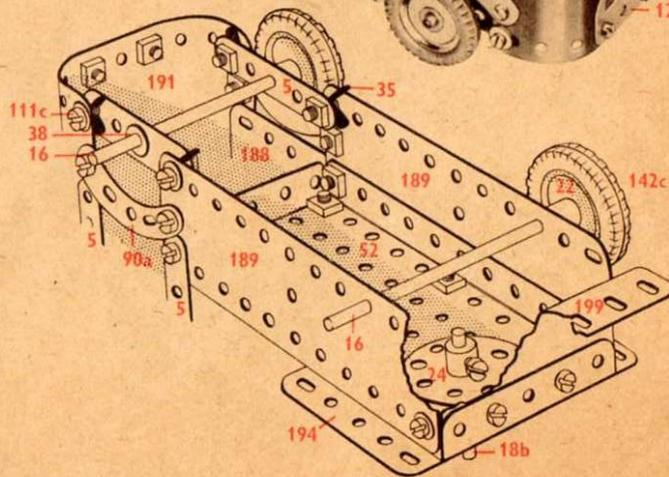
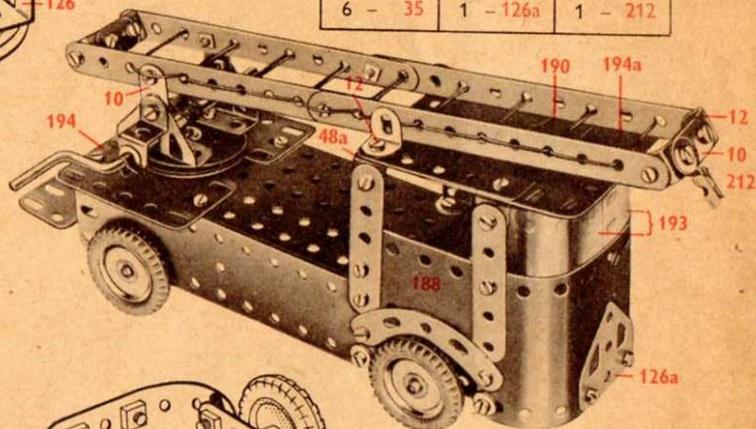


## 2.6 Fire Escape/Bomba de incendios Brandbil Brannstige



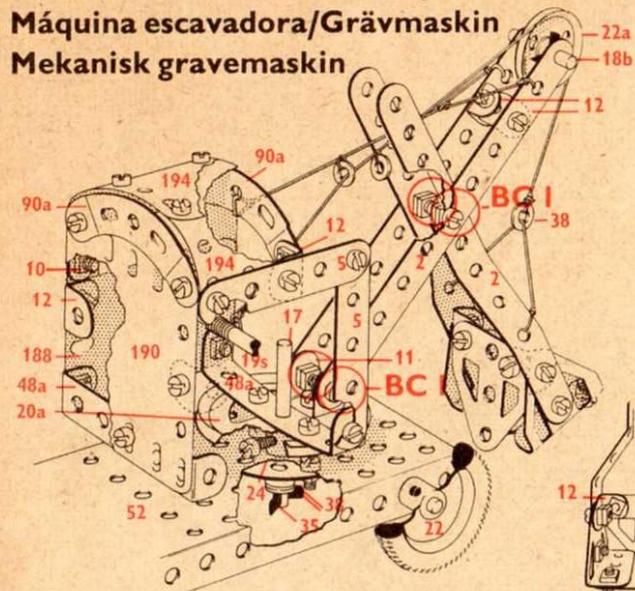
2.6

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
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6	-	35	1	-	126a	1	-	212



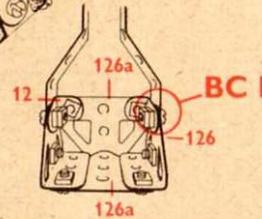
## 2.7 Mechanical Excavator/Excavadora mecánica

Máquina escavadora/Grävmaskin  
Mekanisk gravemaskin

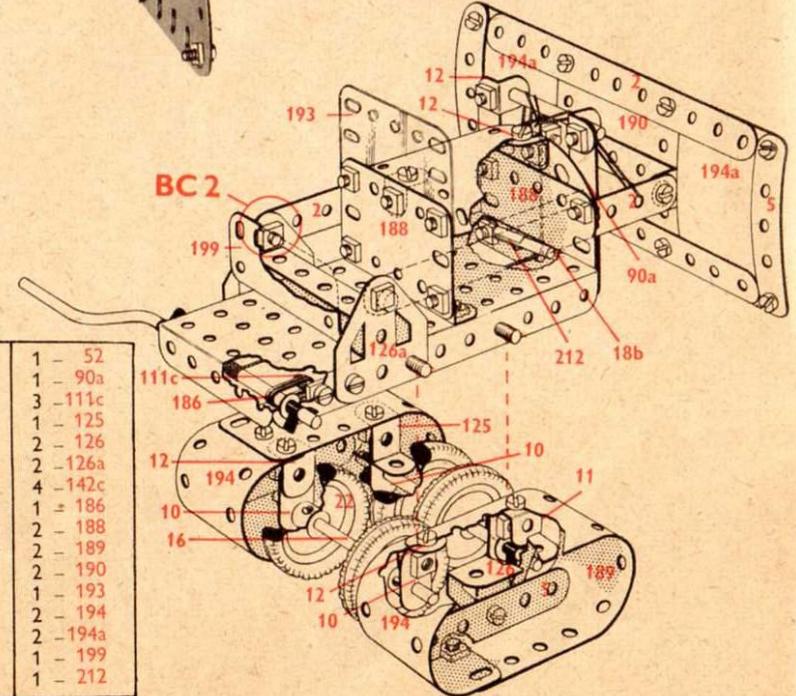
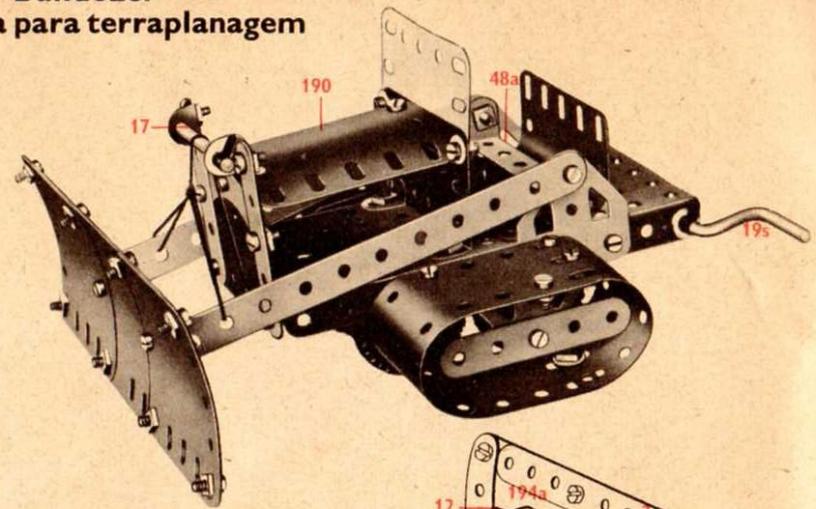


2.7

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

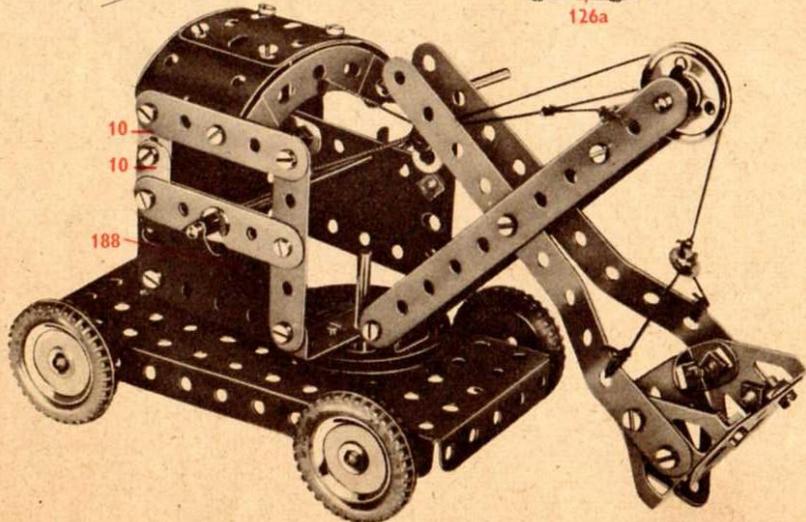


## 2.8 Bulldozer Escavadora para terraplanagem



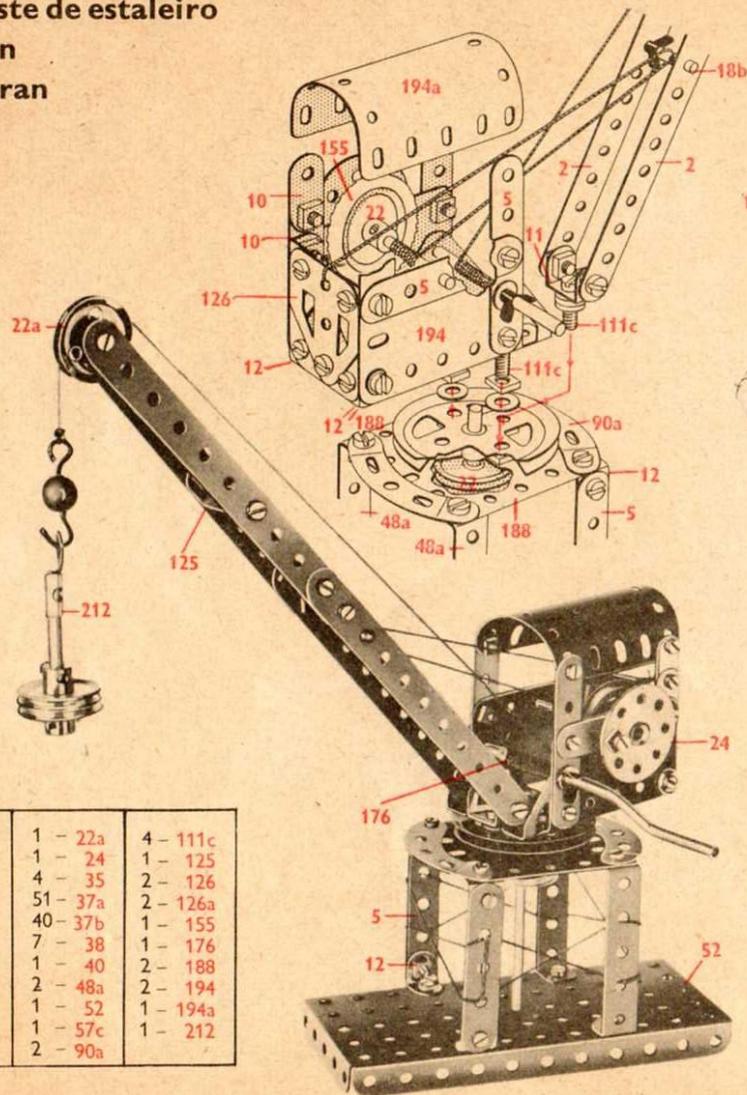
2.8

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





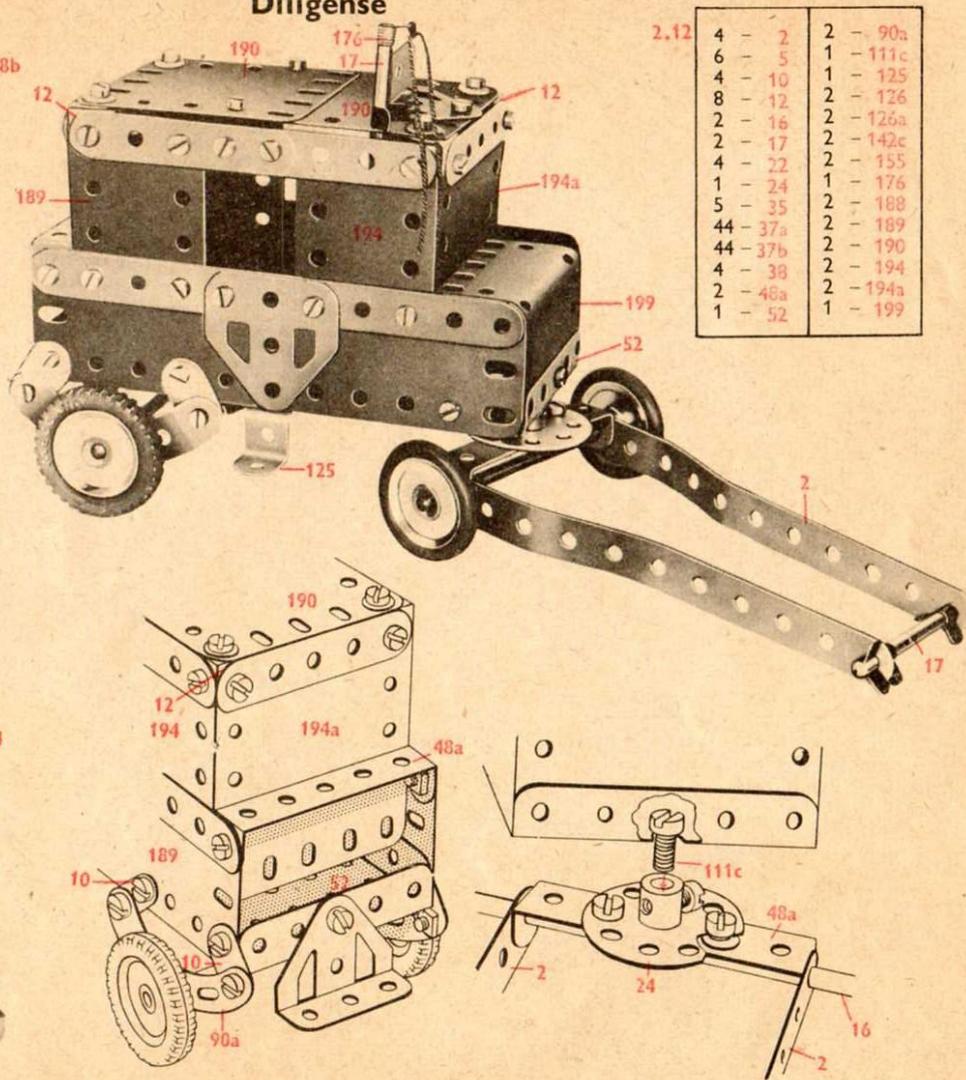
**2.11 Shipyard Crane/Grúa de astillero**  
**Guindaste de estaleiro**  
**Lyftkran**  
**Verftskran**



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 - 188
1 - 19s	1 - 52	1 - 194a
1 - 20a	1 - 57c	1 - 194a
4 - 22	2 - 90a	1 - 212

**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 - 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/Grúa depósito de mercancías

Guindaste de carga

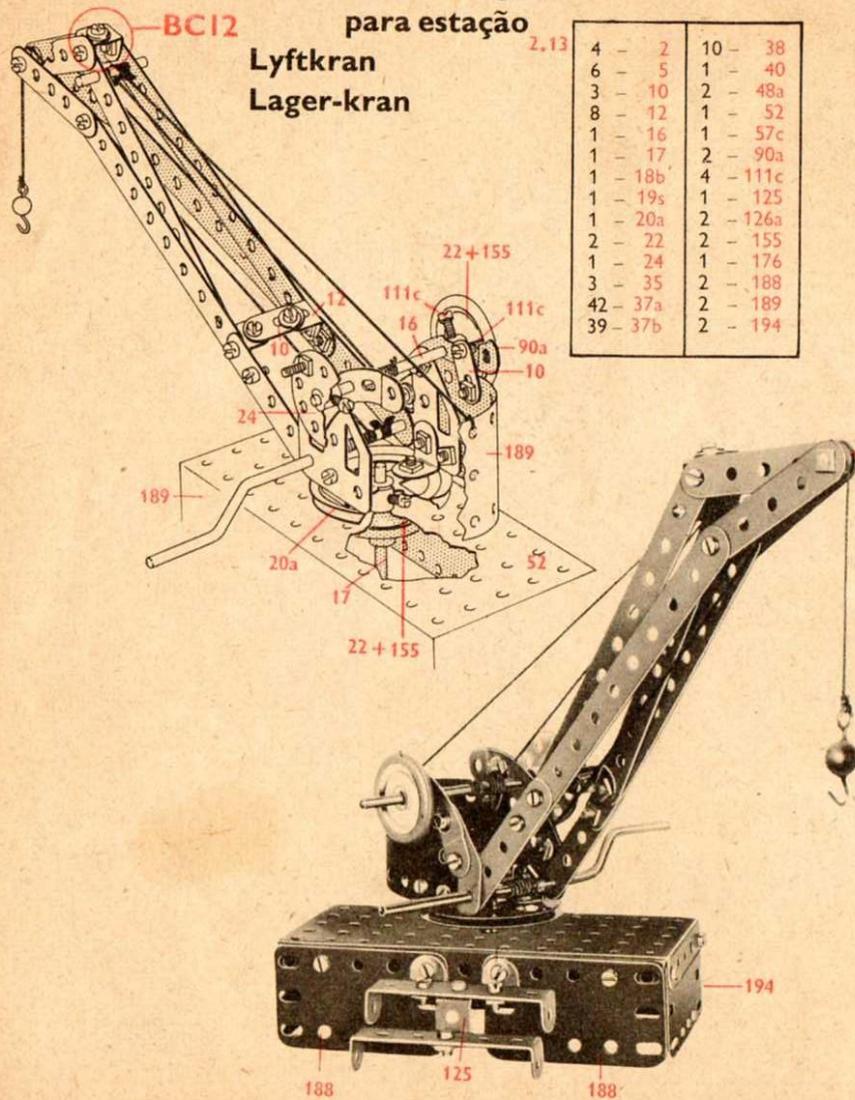
para estação

Lyftkran

Lager-kran

2.13

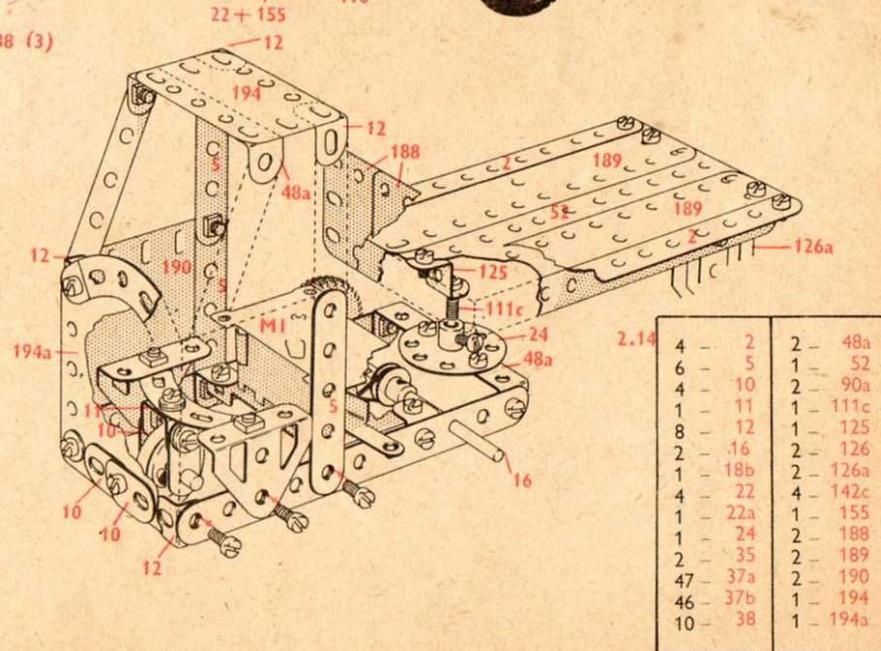
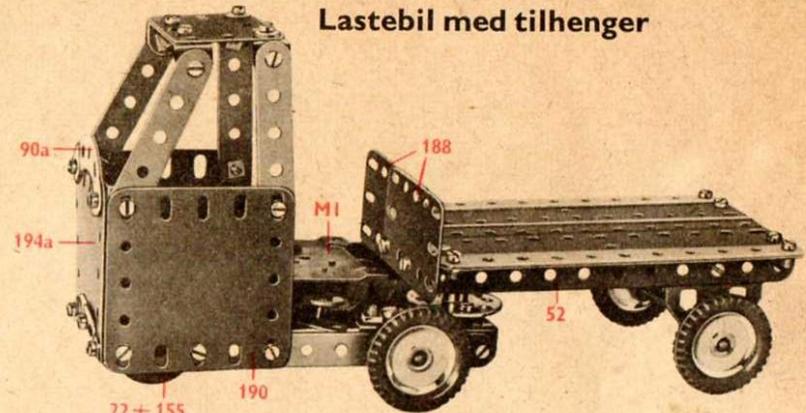
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6	-	5	1	-	40
3	-	10	2	-	48a
8	-	12	1	-	52
1	-	16	1	-	57c
1	-	17	2	-	90a
1	-	18b	4	-	111c
1	-	19s	1	-	125
1	-	20a	2	-	126a
2	-	22	2	-	155
1	-	24	1	-	176
3	-	35	2	-	188
42	-	37a	2	-	189
39	-	37b	2	-	194



### 2.14 Articulated Lorry/Camión articulado

Camião articulado/Semitrailer

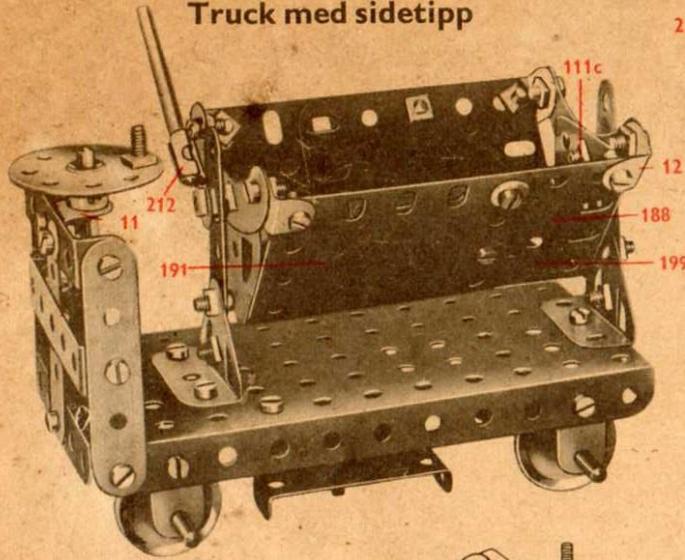
Lastebil med tilhenger



2.14

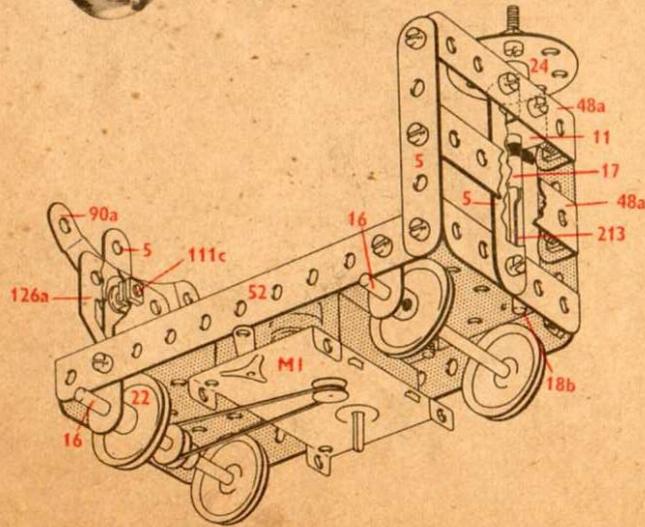
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6	-	5	1	-	52
4	-	10	2	-	90a
1	-	11	1	-	111c
8	-	12	1	-	125
2	-	16	2	-	126
1	-	18b	2	-	126a
4	-	22	4	-	142c
1	-	22a	1	-	155
1	-	24	2	-	188
2	-	35	2	-	189
47	-	37a	2	-	190
46	-	37b	1	-	194
10	-	38	1	-	194a

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

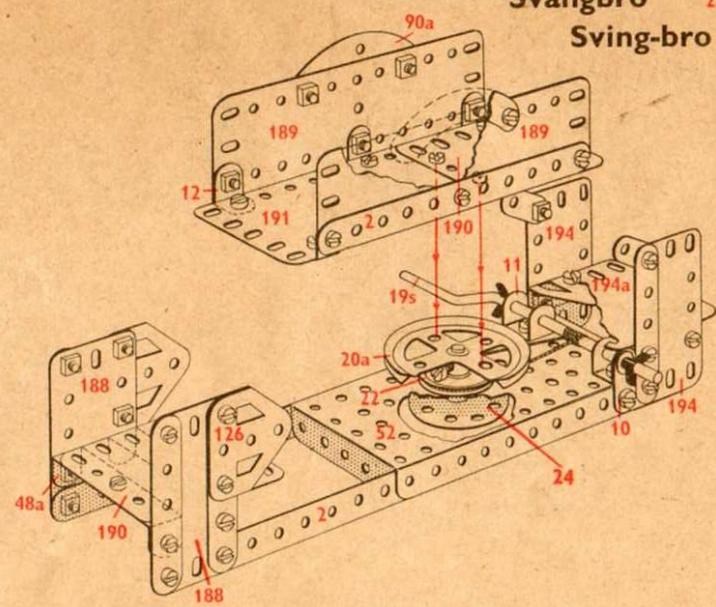


2.15

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

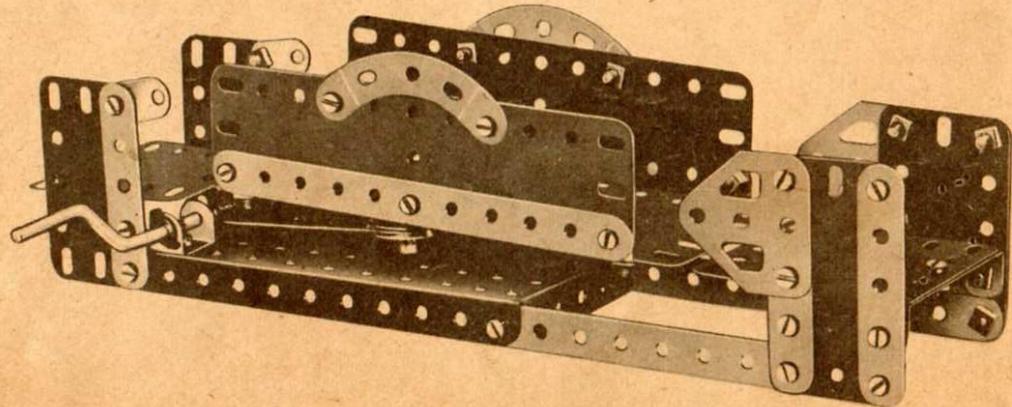


**2.16 Swing Bridge/Puente giratorio**  
**Ponte giratória**  
**Svängbro**  
**Sving-bro**

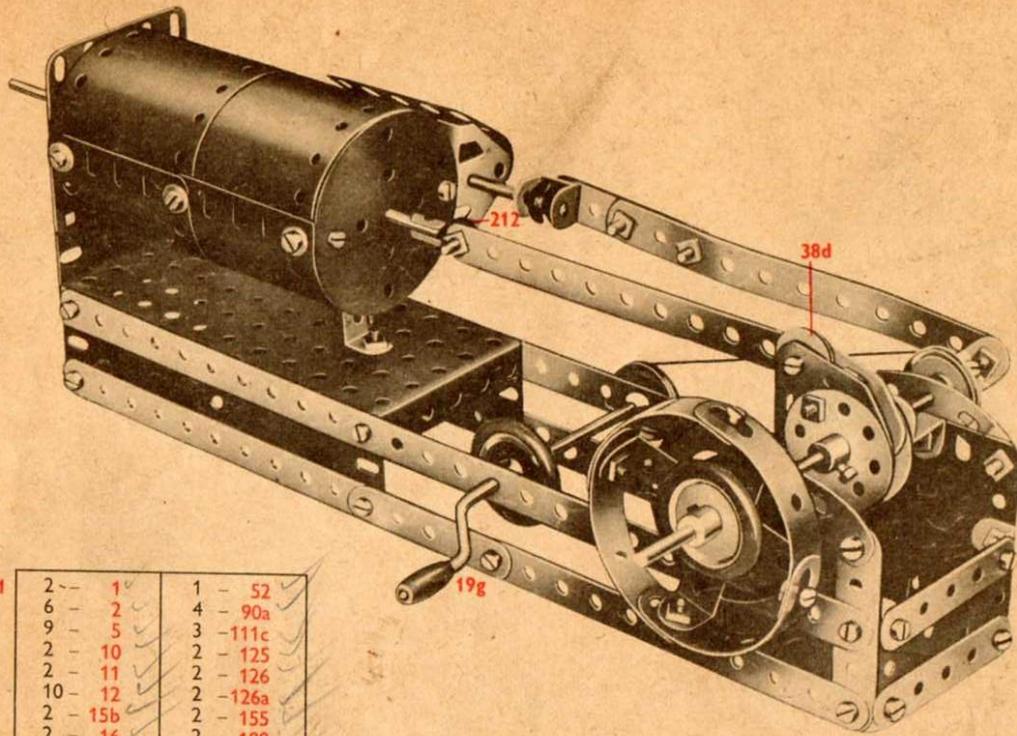


2.16

4	-	2
6	-	5
3	-	10
1	-	11
6	-	12
-	1	18b
-	1	19s
1	-	20a
1	-	22
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

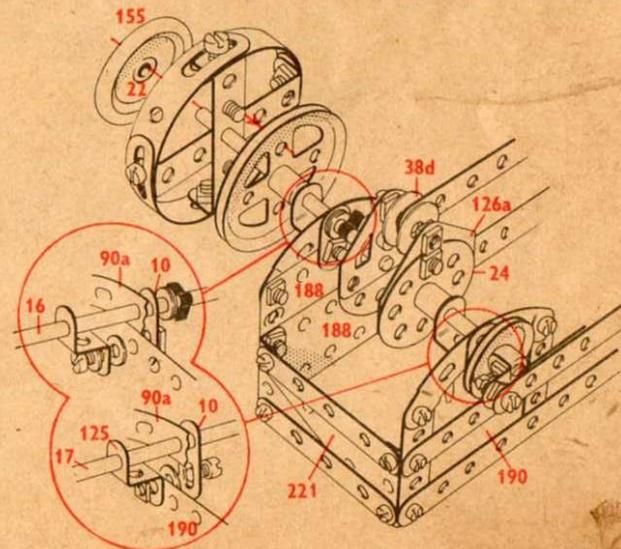
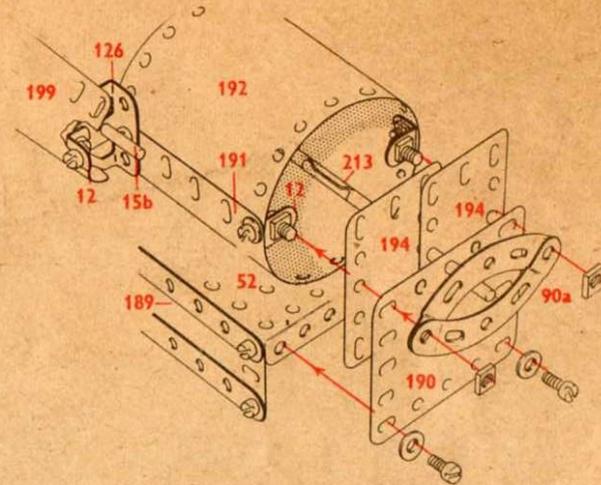


### 3.1 Horizontal Steam Engine/Máquina horizontal a vapor Ångmaskin/Horizontal dampmaskin



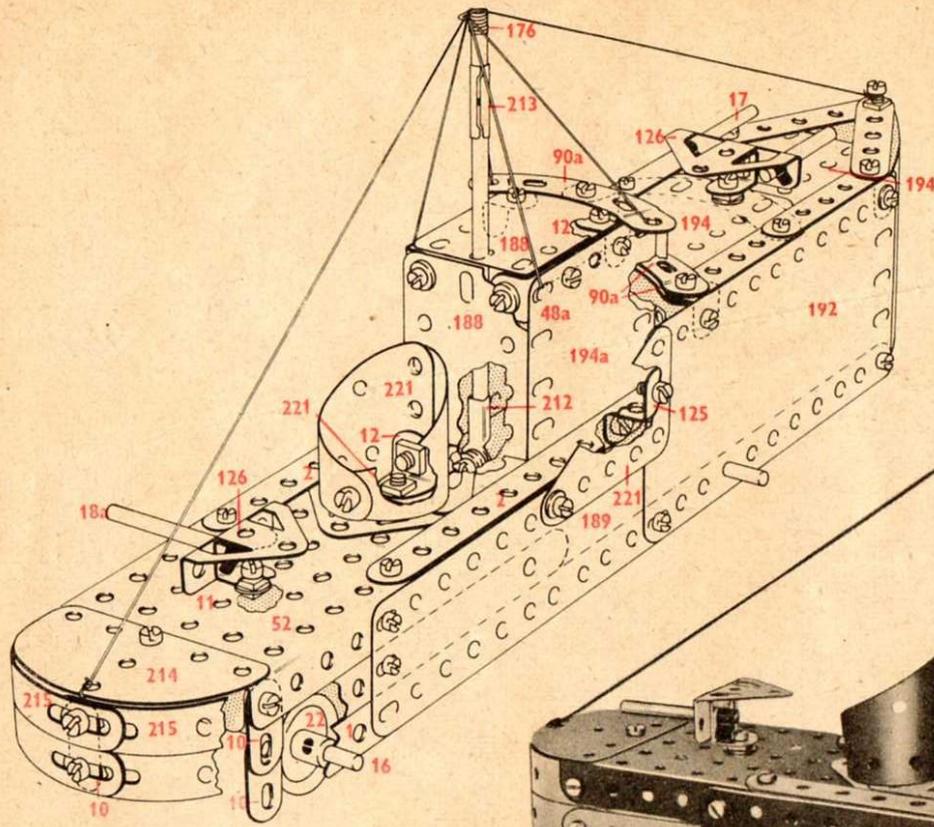
3.1

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 ✓	



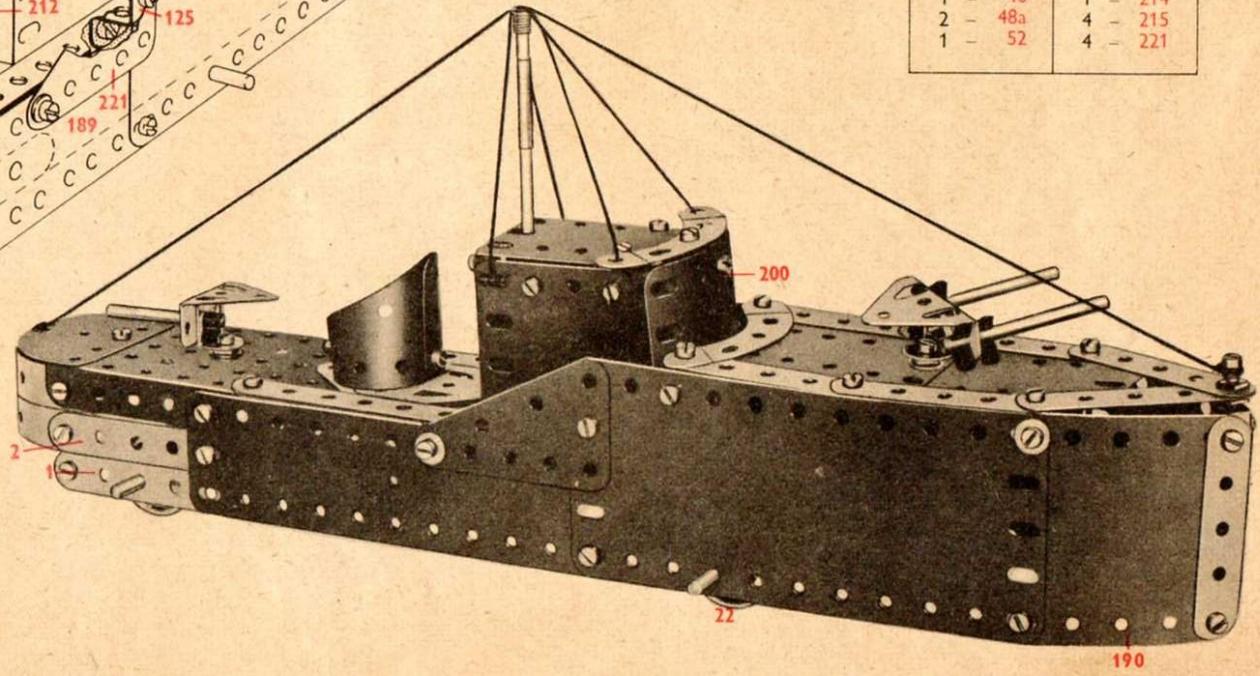


**3.3 Gun Boat**  
**Cañonero**  
**Canhoneira**  
**Krigsfartyg**  
**Kanonbåt**

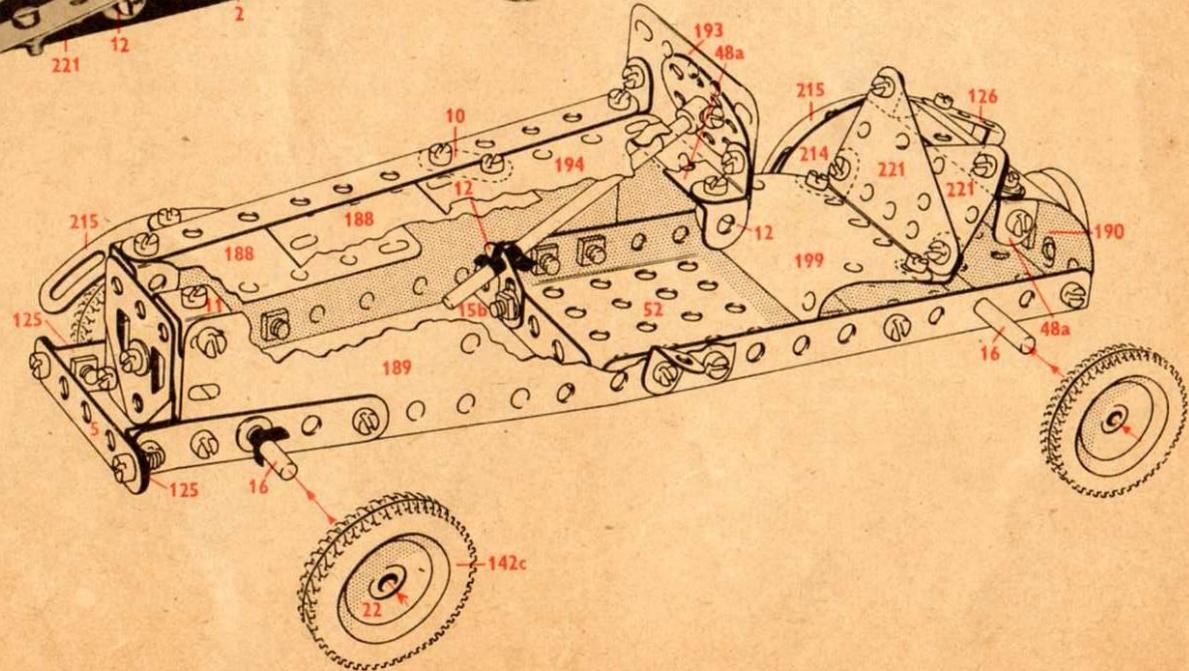
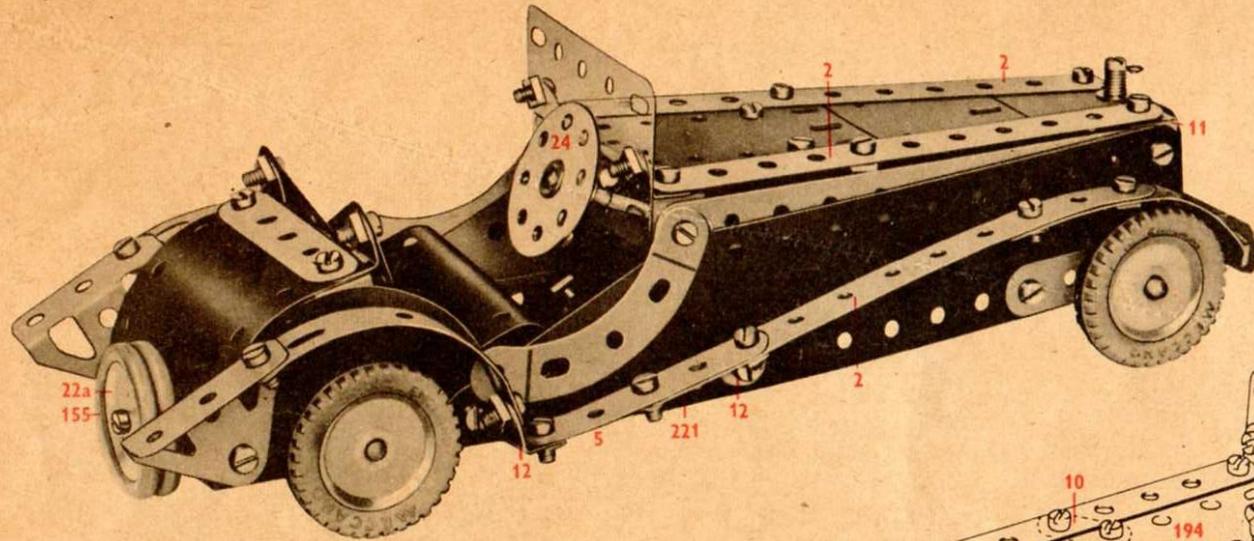


3.3

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



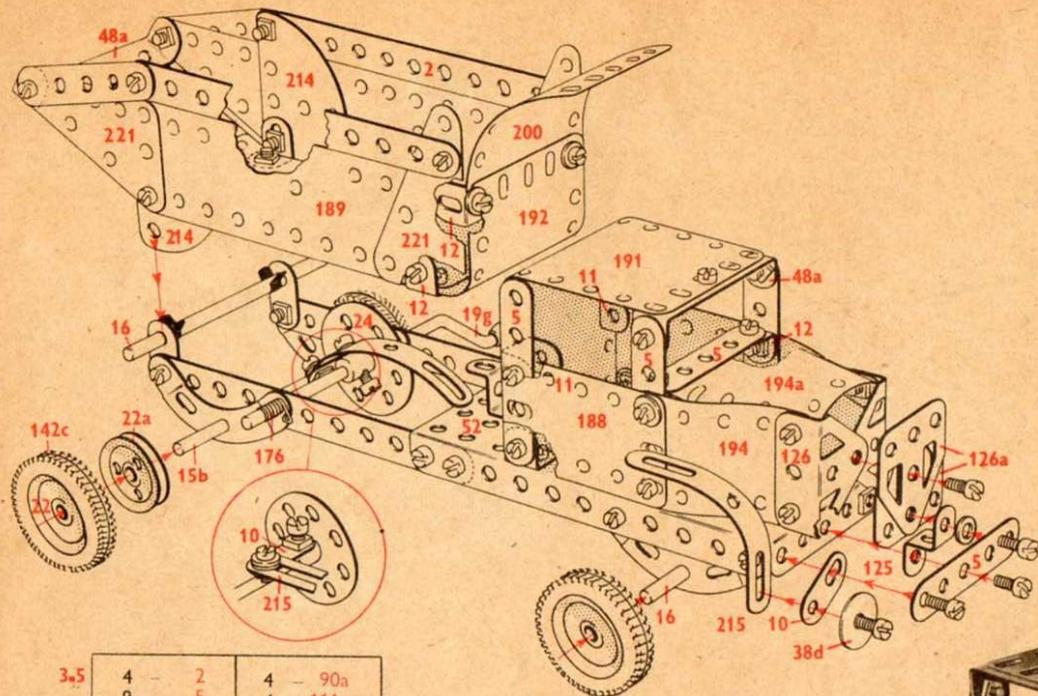
### 3.4 Sports Car/Automóvil deportivo Carro de "sport"/Sportbil/Sportsbil



3.4

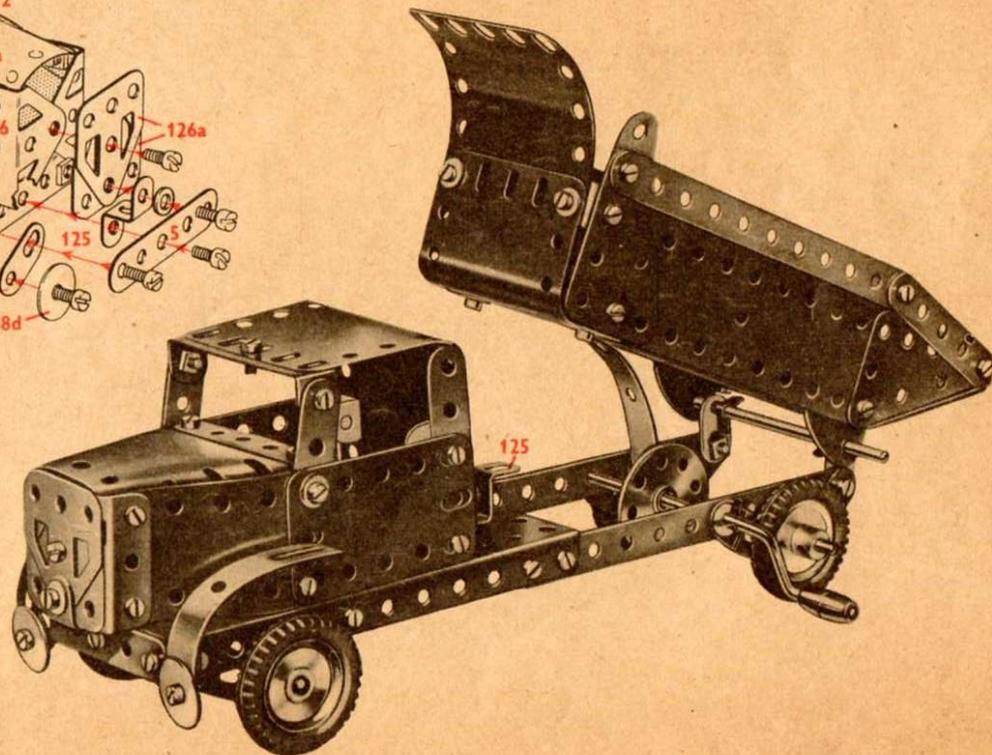
6 - 2	4 - 111c
6 - 5	2 - 125
3 - 10	2 - 126
2 - 11	2 - 126a
10 - 12	4 - 142c
1 - 15b	2 - 155
2 - 16	1 - 176
4 - 22	2 - 188
2 - 22a	2 - 189
1 - 24	1 - 193
4 - 35	1 - 194
60 - 37a	1 - 199
56 - 37b	1 - 200
5 - 38	2 - 214
2 - 48a	4 - 215
1 - 52	4 - 221
2 - 90a	

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

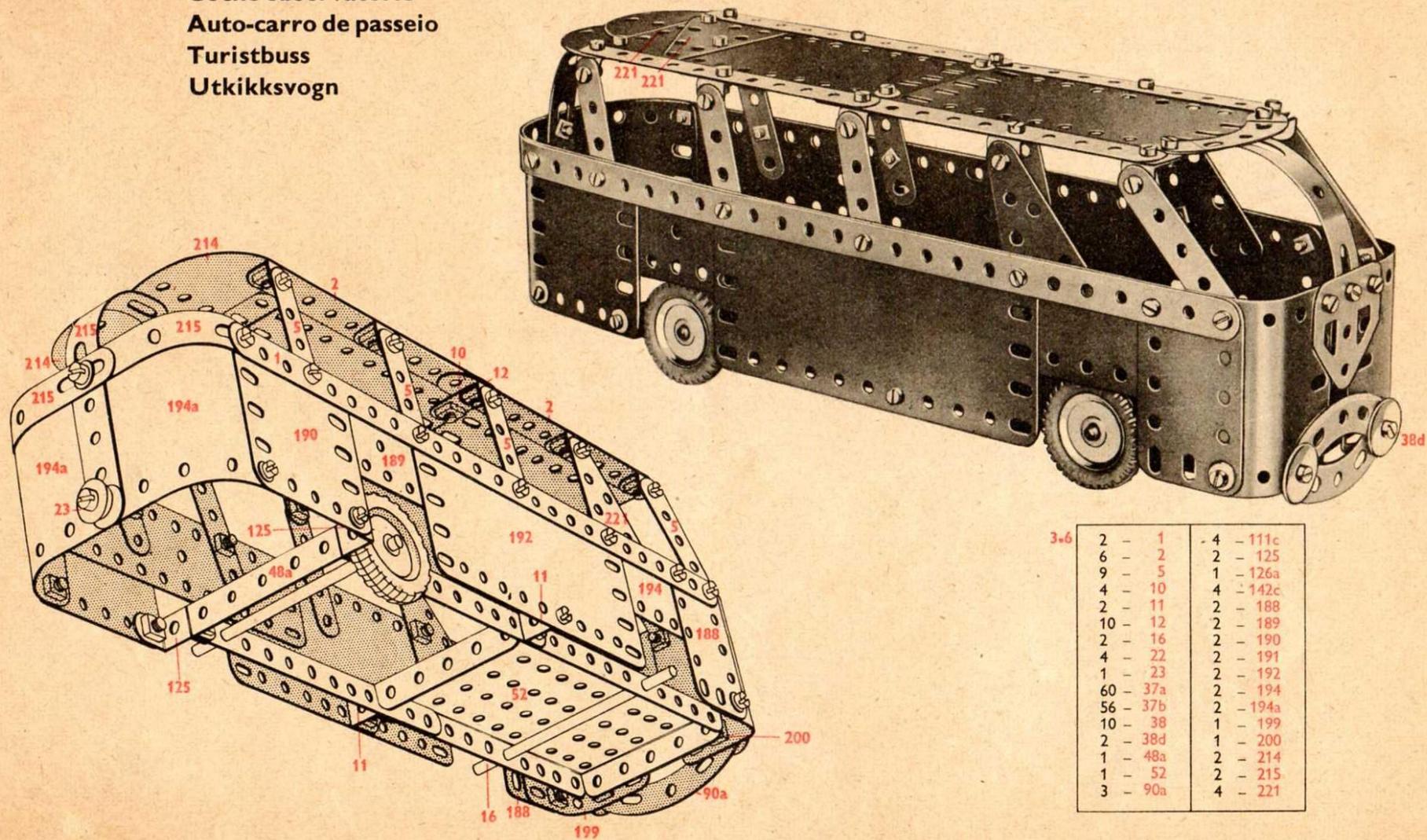


3.5

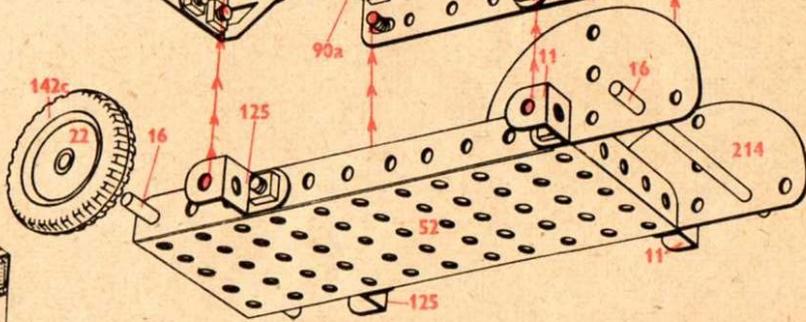
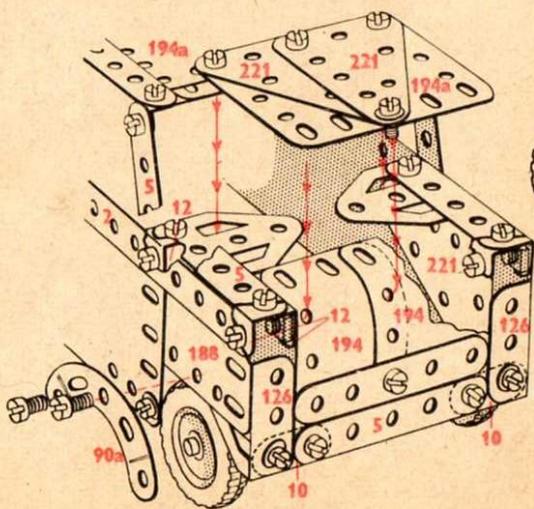
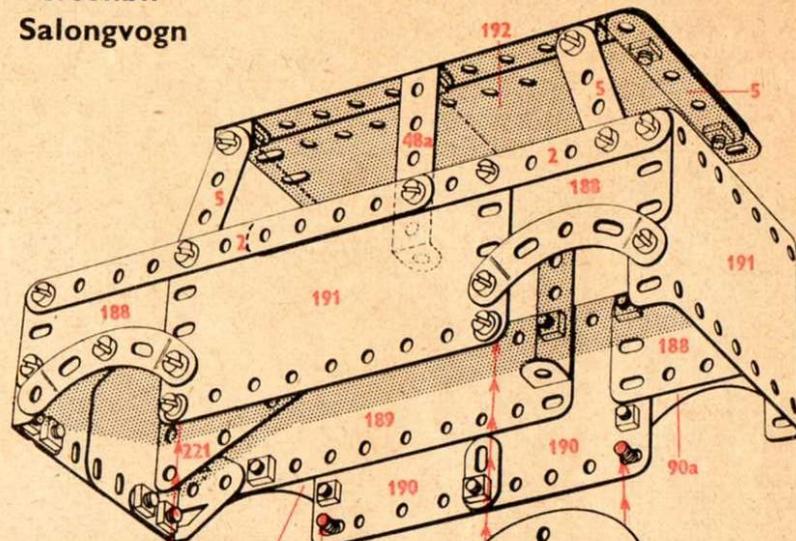
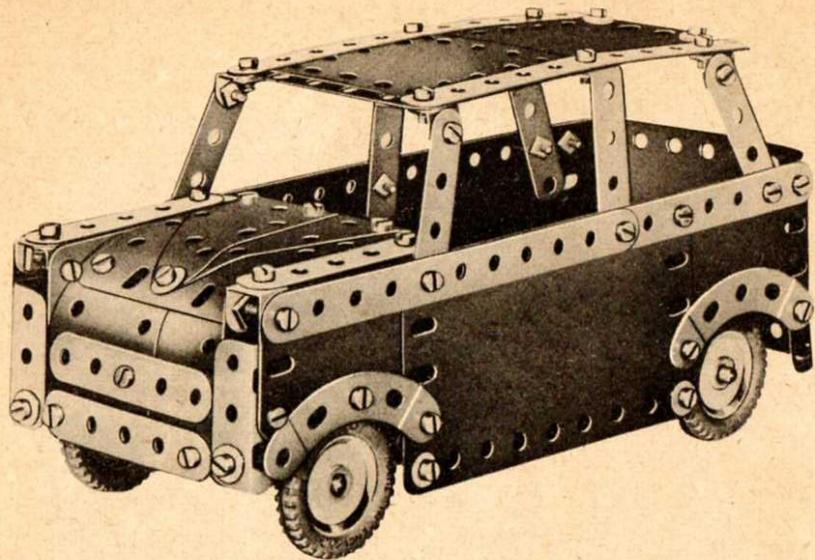
4	-	2	4	-	90a
8	-	5	4	-	111c
5	-	10	2	-	125
2	-	11	2	-	126
10	-	12	2	-	126a
1	-	15b	4	-	142c
2	-	16	1	-	176
1	-	19g	2	-	188
4	-	22	2	-	189
2	-	22a	2	-	190
1	-	24	1	-	191
3	-	35	1	-	192
60	-	37a	2	-	194
56	-	37b	1	-	194a
10	-	38	1	-	200
2	-	38d	2	-	214
2	-	48a	3	-	215
1	-	52	4	-	221



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



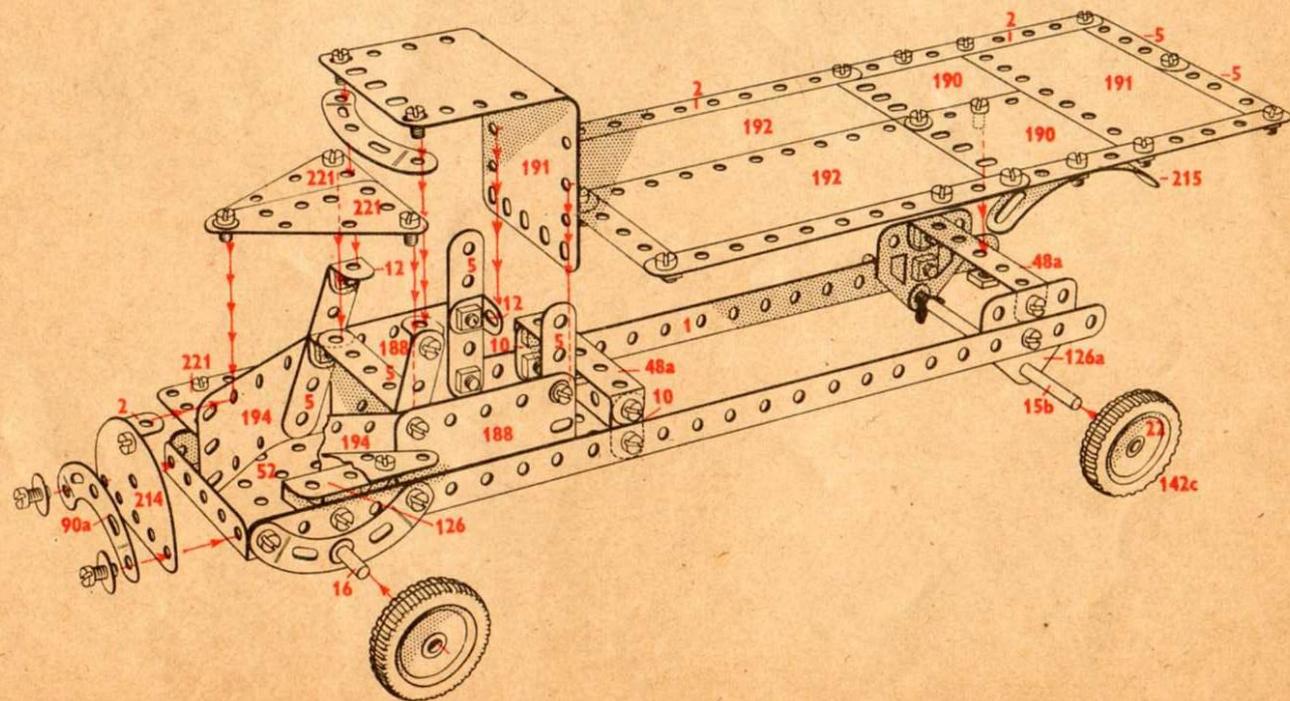
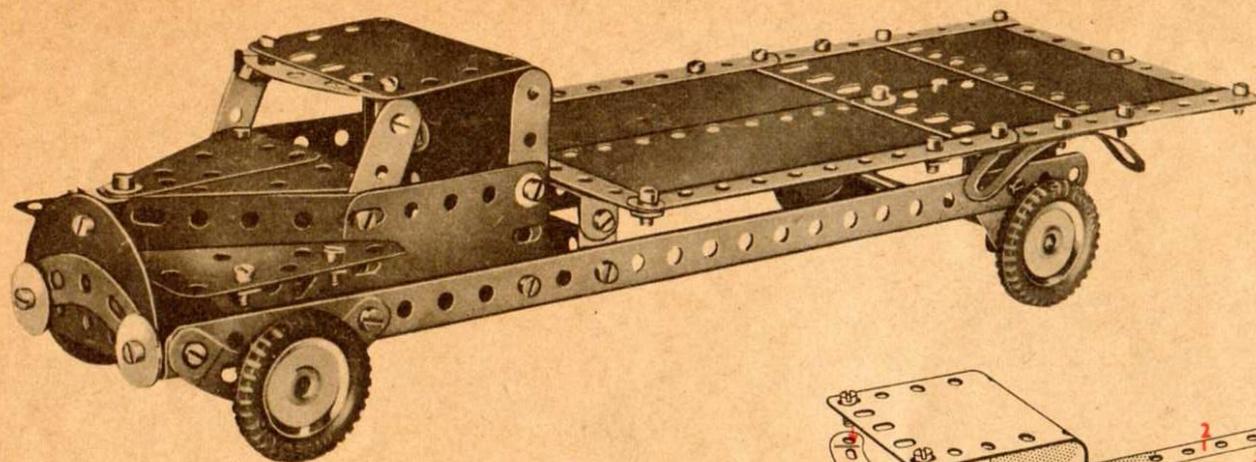
**3.7 Saloon Car/Coche salón**  
**Carro fechado**  
**Personbil**  
**Salongvogn**



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

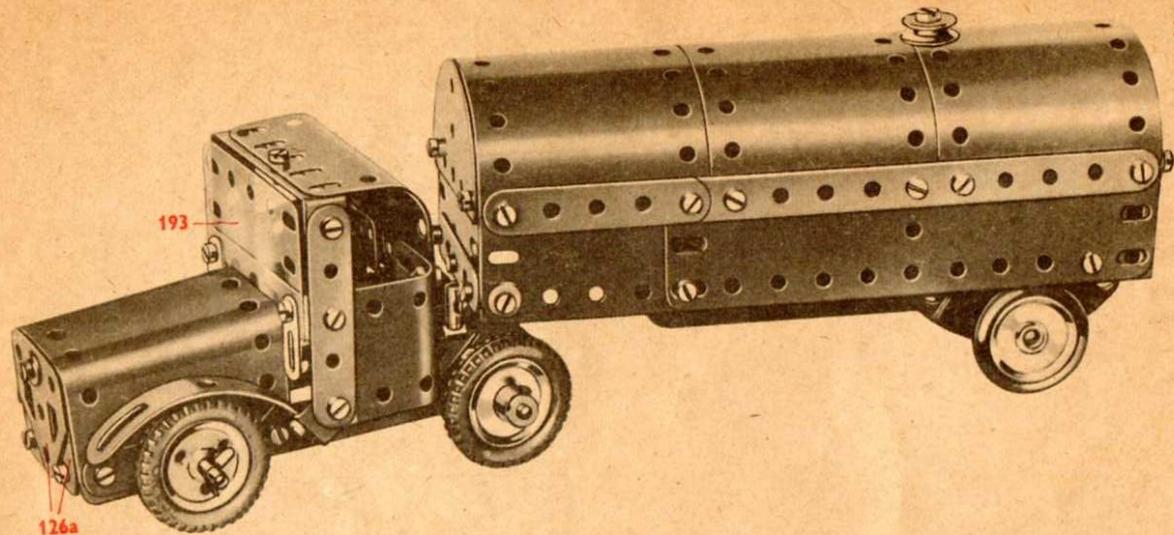
gasolina articulado

Carro tanque articulado

para gasolina

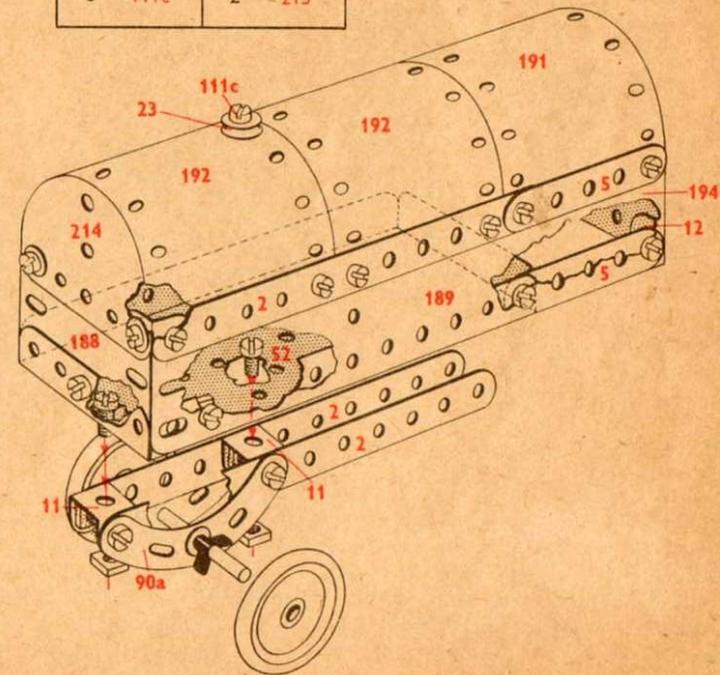
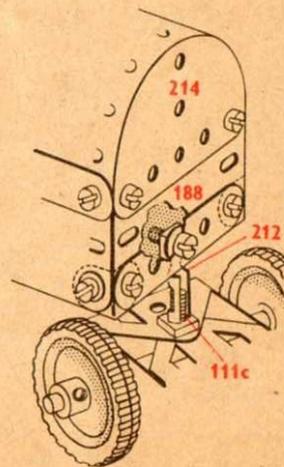
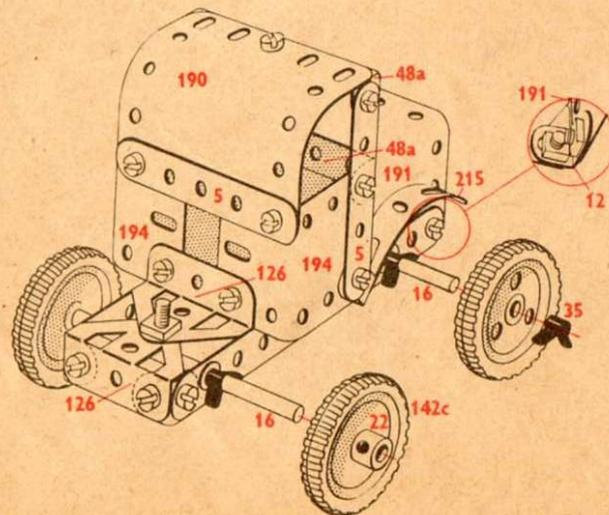
Bensinbil, semitrailer

Bensinbil med tilhenger

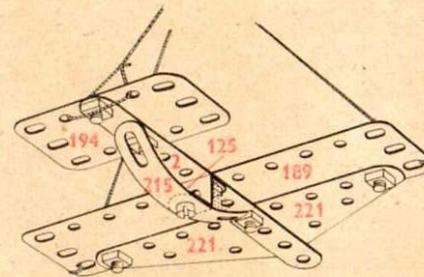
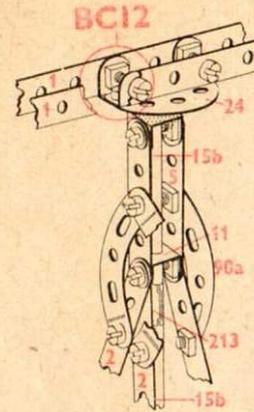
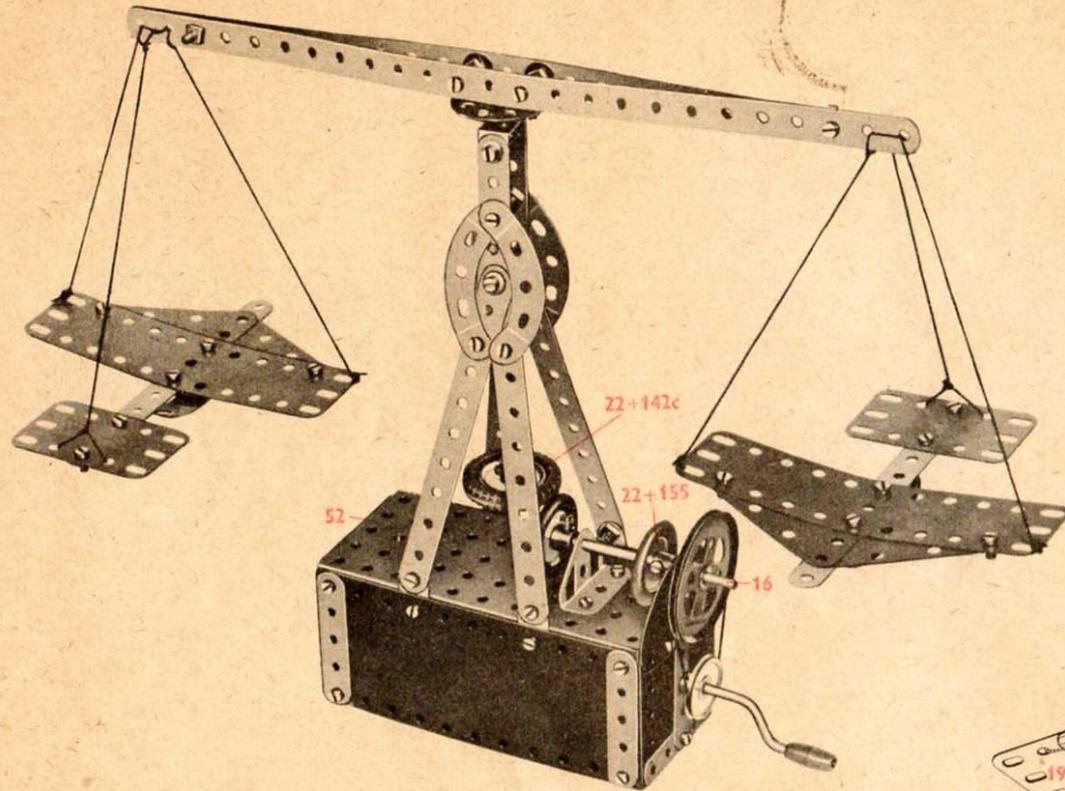


3.9

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



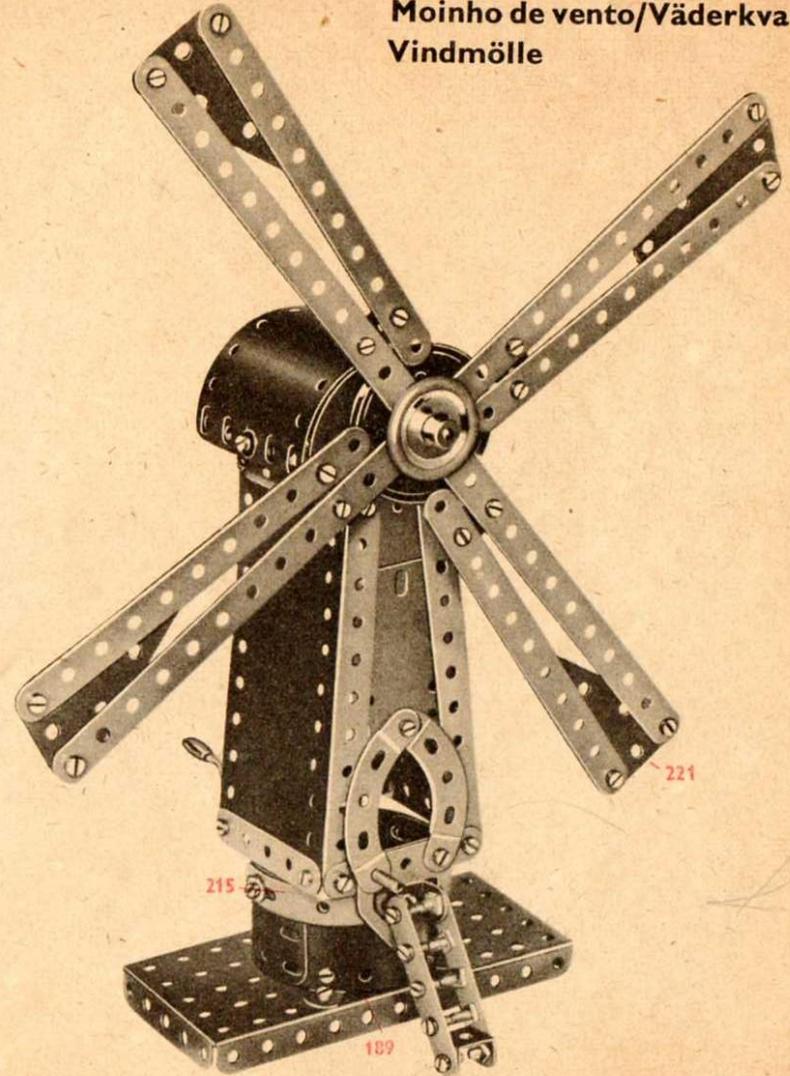
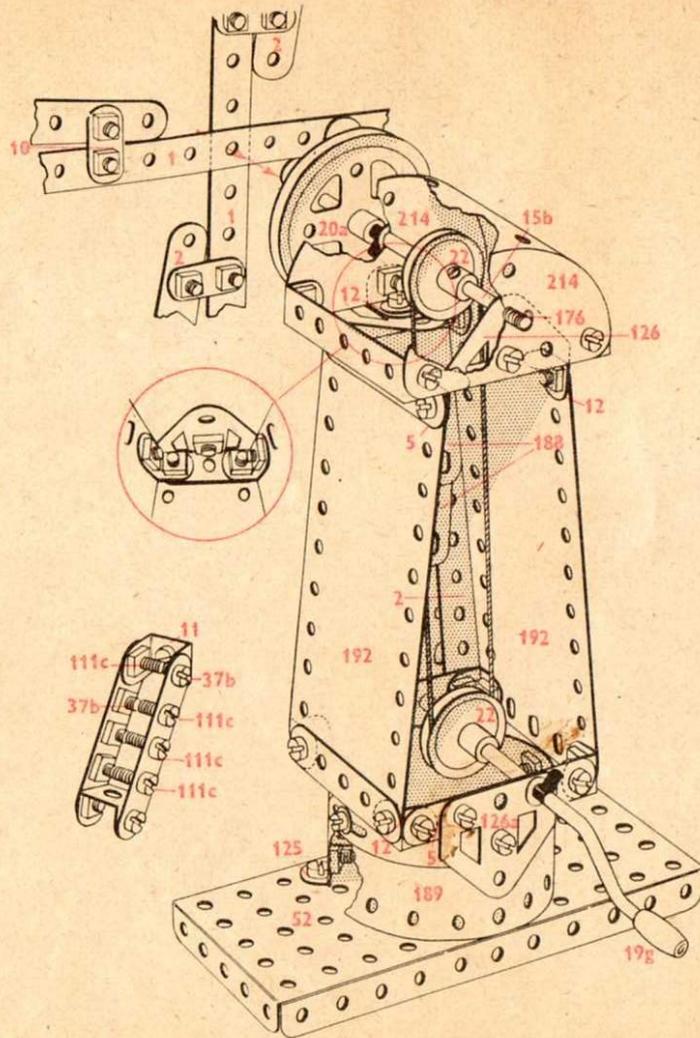
3,10

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



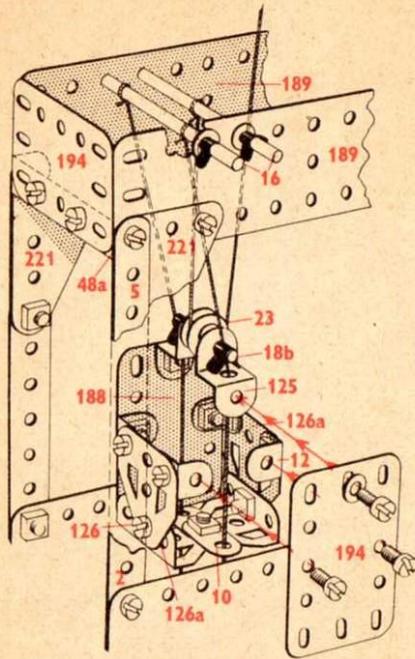


3.13

# Pit-head Gear/ Maquinaria de boca minera

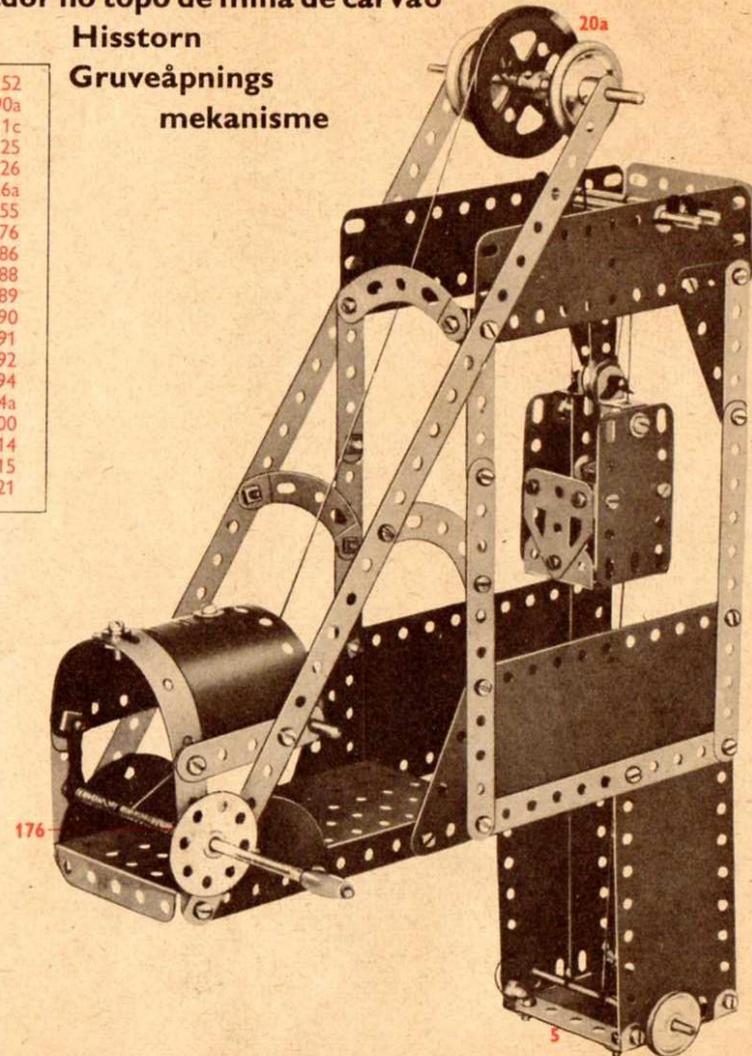
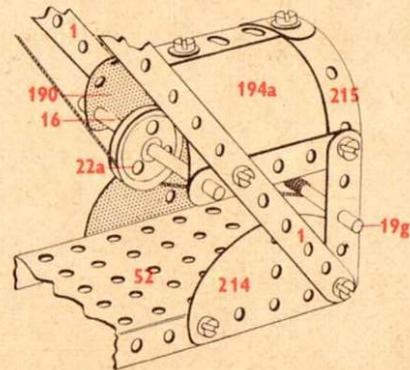
## Equipamento elevador no topo de mina de carvão

**Historn**  
**Gruveåpnings**  
**mekanisme**

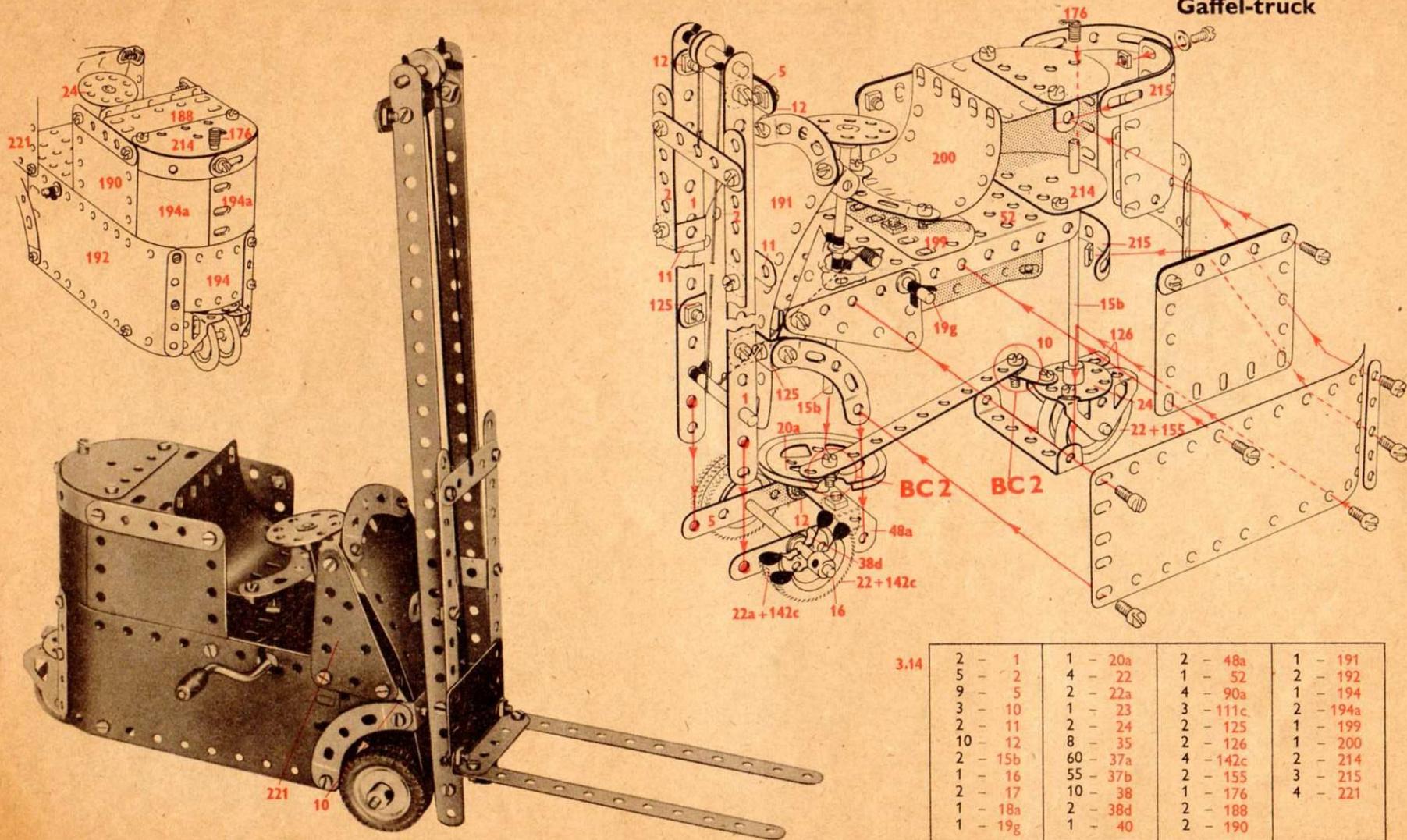


3.13

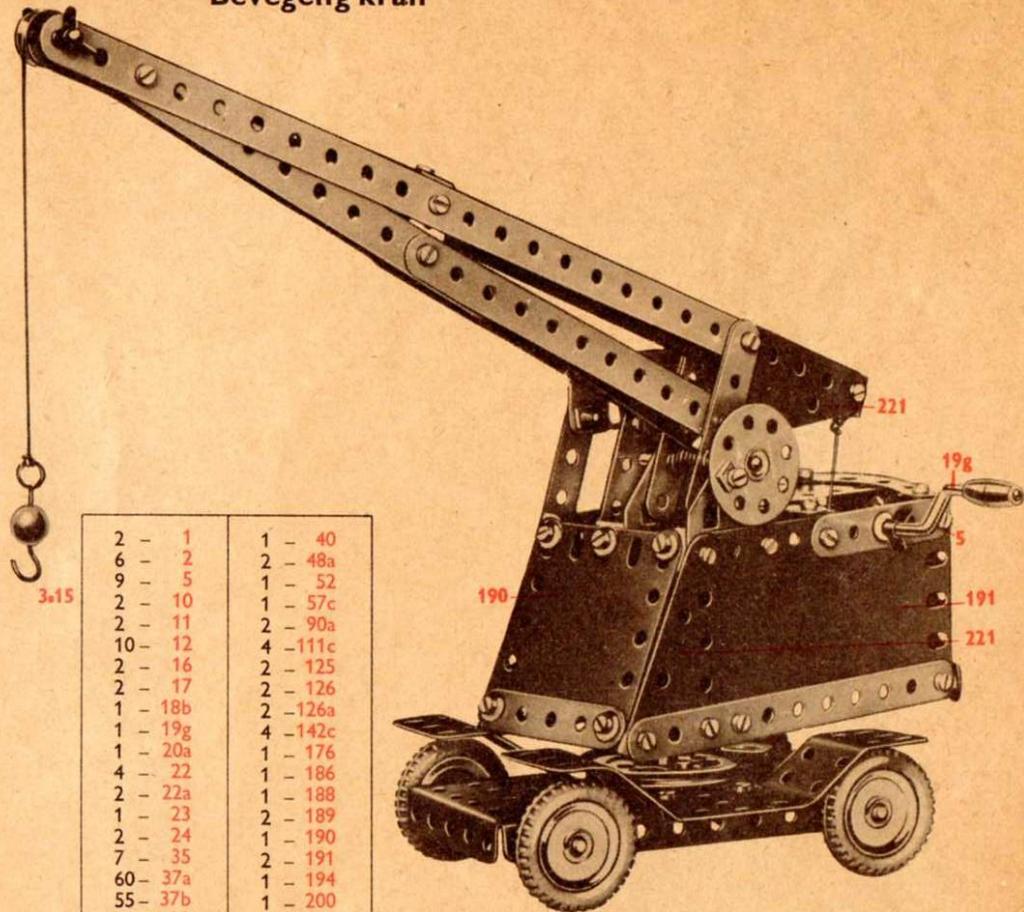
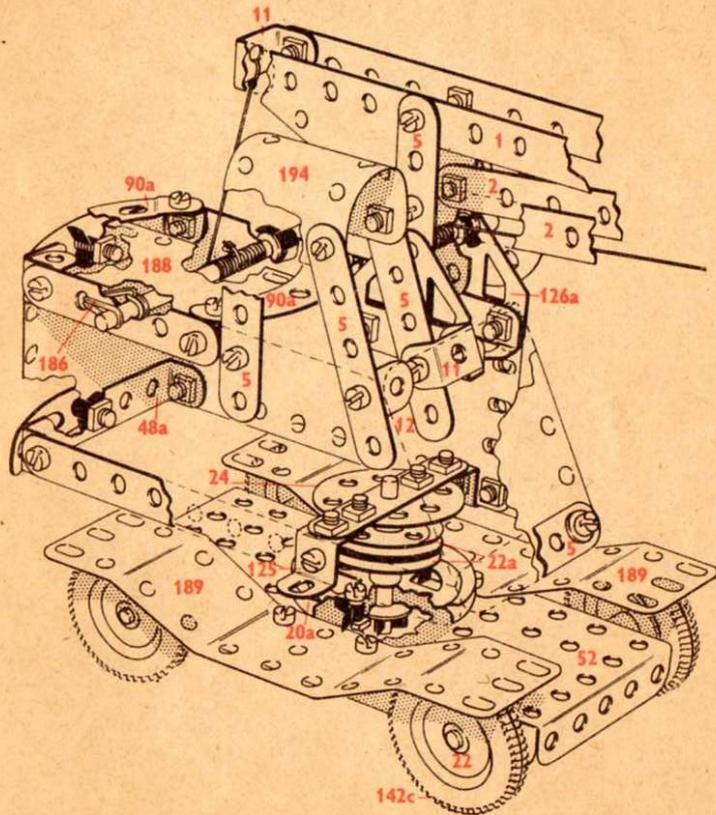
2 -	1	1 -	52
6 -	2	4 -	90a
9 -	5	4 -	111c
2 -	10	2 -	125
10 -	12	2 -	126
2 -	15b	2 -	126a
3 -	16	2 -	155
1 -	18b	1 -	176
1 -	19g	1 -	186
1 -	20a	2 -	188
4 -	22	2 -	189
1 -	22a	1 -	190
1 -	23	2 -	191
1 -	24	2 -	192
8 -	35	2 -	194
60 -	37a	1 -	194a
56 -	37b	1 -	200
10 -	38	2 -	214
1 -	40	4 -	215
2 -	48a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



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

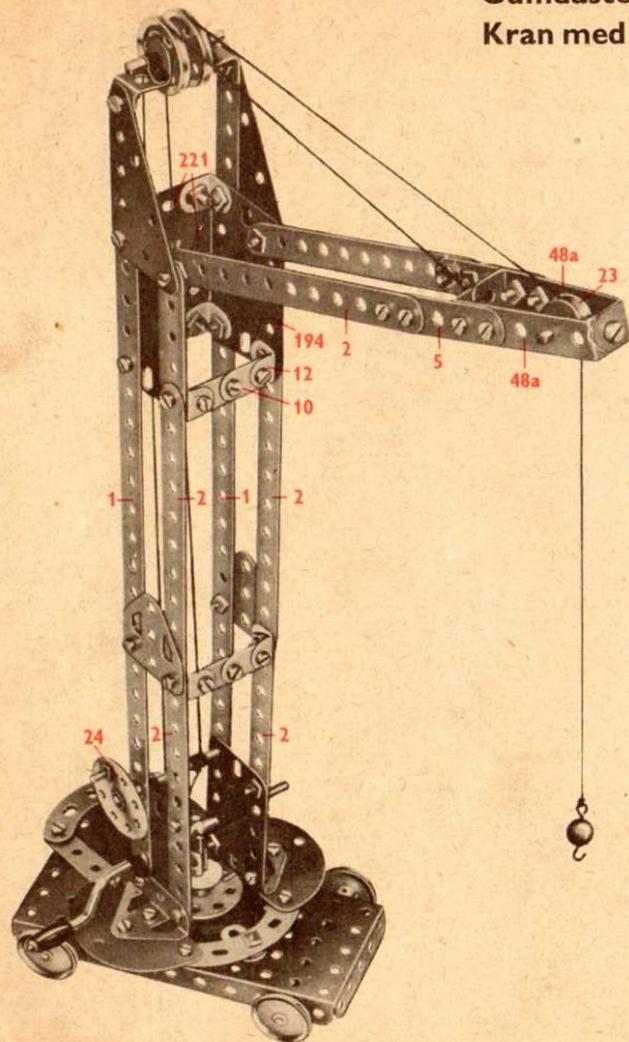


**3.15 Mobile Crane/Grúa ambulante**  
**Guindaste móvel/Rörlig kran**  
**Bevægelig kran**



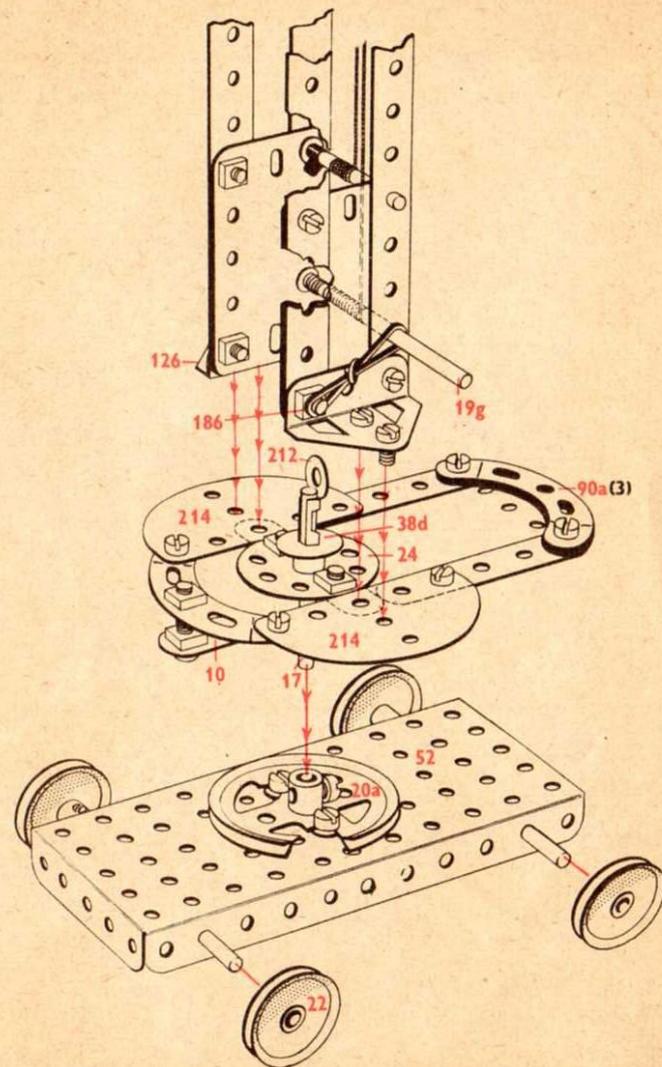
2 - 1	1 - 40
6 - 2	2 - 48a
9 - 5	1 - 52
2 - 10	1 - 57c
2 - 11	2 - 90a
10 - 12	4 - 111c
2 - 16	2 - 125
2 - 17	2 - 126
1 - 18b	2 - 126a
1 - 19g	4 - 142c
1 - 20a	1 - 176
4 - 22	1 - 186
2 - 22a	1 - 188
1 - 23	2 - 189
2 - 24	1 - 190
7 - 35	2 - 191
60 - 37a	1 - 194
55 - 37b	1 - 200
8 - 38	4 - 221
1 - 38d	

**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**

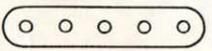
**Nombres y números de las piezas Meccano que se usan en los modelos de los Equipos No. 2 y No. 3**

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

**Namn och nummer på Meccanodelar som används i grundbyglådor 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 remsor  
Perforert bånd



1 - 12 1/2"; 32 cm  
2 - 5 1/2"; 14 cm  
5 - 2 1/2"; 6 cm

Fishplate  
Soporte plano  
Soporte plano  
Flat hållare  
Skilleplate



10

Double Bracket  
Soporte doble  
Soporte duplo  
Dubbelhållare  
Dobbelbrakett



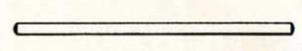
11

Angle Bracket  
Soporte angular  
Soporte angular  
Vinkelhållare  
Vinkelbrakett



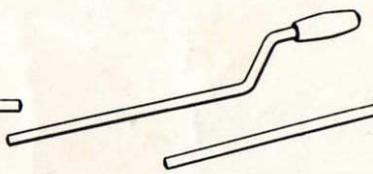
12

Rods  
Varillas  
Varetas de eixo  
Axelstänger  
Stenger



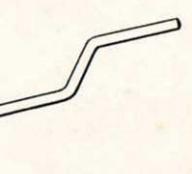
15b - 4"; 10 cm  
16 - 3 1/2"; 9 cm  
17 - 2"; 5 cm  
18a - 1 1/2"; 4 cm  
18b - 1"; 2,5 cm

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



19g

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



19s

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



20a - 2"; 5 cm

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



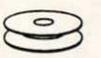
22 - 1"; 2,5 cm

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



22a - 1"; 2,5 cm

Pulley (with boss)  
Polea (sin cubo)  
Polia (sem cubo)  
Linhjul (utan nav)  
Remskive (uten bøsning)



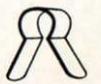
23 - 1/2"; 1 cm

Bush Wheel  
Rueda con buje  
Roda de bucha  
Centerskiva  
Bässinghjul



24

Spring Clip  
Abrazadera de resorte  
Grampo de mola  
Fjäderklämna  
Fjærklammer



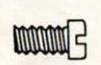
35

Nut  
Tuerca  
Porca  
Mutter  
Mutter



37a

Bolt  
Perno  
Parafuso  
Bult  
Bolt



37b

Washer  
Arandela  
Arruela  
Bricka  
Mellomleggskive



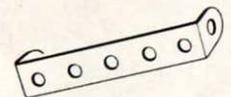
38

Washer  
Arandela  
Arruela  
Bricka  
Mellomleggskive



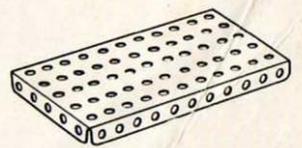
38d - 3/4"; 2 cm

Double Angle Strip  
Tira doblada  
Tira dobrada  
Dubbelvinkelremsa  
Dobbelbøyd barre



48a - 2 1/2" x 1/2"; 6 cm x 1 cm

Flanged Plate  
Placa rebordeada  
Placa rebordeada  
Flänsplåt  
Plate med ombøyd kant



52 - 5 1/2" x 2 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 incluídas nos Estojos Nos. 2 e 3

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

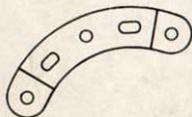
## Navn og nummer på Meccano deler brukt til modeller i sett nr. 2 og nr. 3

Loaded Hook  
Gancho cargado  
Gancho  
chumbado  
(pequeno)  
Belastad krok  
Krok med lodd



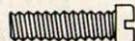
57c

Curved Strip (Stepped)  
Tira curva (acodada)  
Tira curva (de cotovelo)  
Bågremsa, bockad  
Buet barre



90a

Bolt  
Perno  
Parafuso  
Bult  
Bolt

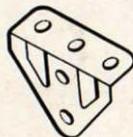
111c -  $\frac{3}{8}$ " ; 1 cm

Reversed Angle  
Bracket  
Soporte angular  
inverso  
Soporte angular  
invertido  
Omvänd  
vinkelhållare  
Tilbakebøyd  
vinkelbrakett



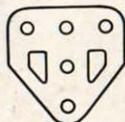
125

Trunnion  
Muñón  
Cantoneira  
Vinkelbockad  
fästplåt  
Svingstykke, bøyd



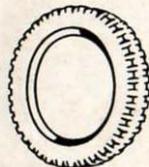
126

Flat Trunnion  
Muñón plano  
Aleta  
Flat fästplåt  
Svingstykke, flatt



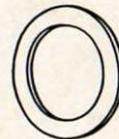
126a

Motor Tyre  
Neumático para rueda  
Pneu de auto  
Däck  
Bilring



142c

Rubber Ring  
Anillo de caucho  
Aro de borracha  
Gummiring  
Gummiring



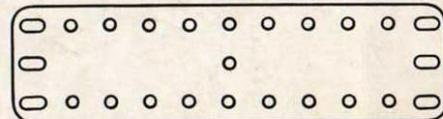
155

Cord Anchoring  
Spring  
Resorte de  
enganche  
para cuerda  
Mola de  
prender cordel  
Förankrings-  
fjäder för  
Meccano-snöre  
Ankerfjær  
for Snor



176

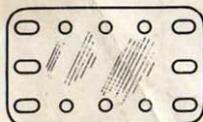
Flexible Plate  
Placa flexible  
Placa flexível  
Böjlig plåt  
Bøyelig plate



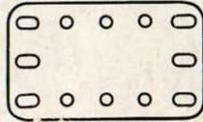
188 -  $2\frac{1}{2}$ "  $\times$   $1\frac{1}{2}$ " ;  $60 \times 38$  mm  
189 -  $5\frac{1}{2}$ "  $\times$   $1\frac{1}{2}$ " ;  $140 \times 38$  mm  
190 -  $2\frac{1}{2}$ "  $\times$   $2\frac{1}{2}$ " ;  $60 \times 60$  mm

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)  
Placa plástica  
(transparente)  
Placa de plástico  
(transparente)  
Plastplåt (transparent)  
Plastplate  
(gjennomsiktig)

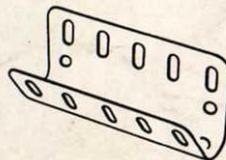
193 -  $2\frac{1}{2}$ "  $\times$   $1\frac{1}{2}$ " ;  $6 \times 4$  cm

Plastic Plate, (black)  
Placa plástica (negra)  
Placa de plástico  
(preto)  
Plastplåt (svart)  
Plastplate (sort)



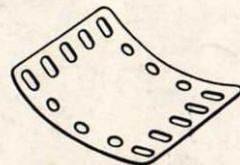
194 -  $2\frac{1}{2}$ "  $\times$   $1\frac{1}{2}$ " ;  $6 \times 4$  cm  
194a -  $2\frac{1}{2}$ "  $\times$   $2\frac{1}{2}$ " ;  $6 \times 6$  cm

Curved Plate, U Section  
Placa curva en U  
Placa curva em U  
Bågplåt  
Buet plate, U-profil



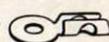
199

Curved Plate  
Placa curva  
Placa curva  
Bågplåt  
Buet plate



200

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



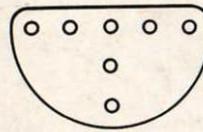
212

Rod Connector  
Pieza de conexión  
para varillas  
Luva de varetas  
Stångförbindning  
Stangförbinder



213

Semi-circular Plate  
Placa semi-circular  
Placa semi-circular  
Halvcirkelplåt  
Halvsirkelformet plate



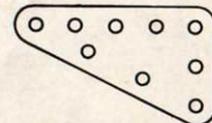
214

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



215

Triangular Flexible Plate  
Placa flexible triangular  
Placa flexível triangular  
Trekantet böjlig plåt  
Trekantet bøyelig plate



221