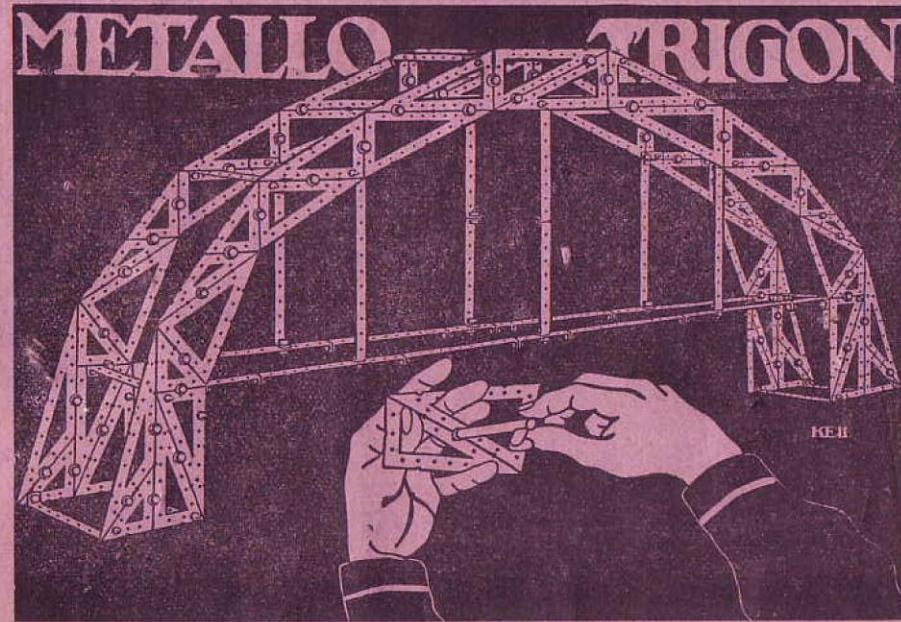


Das
geistvollste
Konstruktions-
spiel für die
denkende
Jugend!



Jl balocco
piu
ingegnoso!

An ingenious and ideal
Toy for the
intelligent Boy!



El más ingenioso juguete
de construccion!

ZUR BEACHTUNG!

Eine Schraube wird mit zwei Unterlagscheiben und einer Mutter versehen und heißt **Klemmschraube**. Wolbung der Scheiben beachten! Die hohlen Seiten gegeneinander! Sie wird seitlich auf einem Dreieck festgeklemmt. Ein zweites Dreieck wird zwischen den Unterlagscheiben dagegengedrückt und die Mutter der Schraube mit dem Schlüssel festgezogen. (Fig. 1).

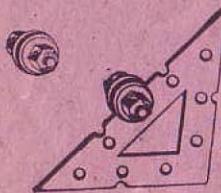
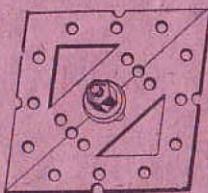


Fig. 1.

Alle Dreiecke stehen im geometrischen Verhältnis des quadratischen Systems. (Fig. 2). Staben, Winkel, Wellen, Kurbeln, lange Schrauben werden verwendet, wie aus den Abbildungen der Modelle erlichtlich; das Drehstück wie aus Fig. 3 und die Räder mit Klemmfeder wie aus Fig. 4.

**INSTRUCTIONS!**

The binding-screw consists of a screw, two washers and a nut. Observe the curves of the washers, the hollow sides being placed opposite to each other. They are fastened at the side of a triangle. Another triangle is pushed between the washers and pressed against them, and the nut screwed on with the key. (Fig. 1).

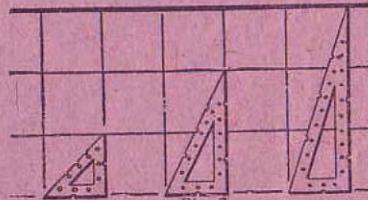


Fig. 2.

All triangles are in definite geometrical proportions to each other. (Fig. 2).

Stays, Angles, Shafts, Cranks, long screws are used as shown in the illustrations; the rotating piece as in fig. 3 and the wheels and the spring-clutches as in fig. 4.

ISTRUZIONI!

L'apparecchio abbisogna di una vite a morsa consistente in due rondelle e d'una madre-vite. E' da notarsi che le rondelle sono coocave e che le due concavità debbono essere rivolte l' una contro l'altra. La vite viene fissata ad uno dei lati di un triangolo, indi viene applicato fra le duo rondelle un secondo triangolo che viene fissato stringendo la vite coll'apposita chiave. (Fig. 1).

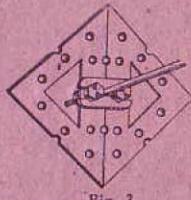


Fig. 3.

INSTRUCCIONES!

El aparato soporta un tornillo de presión que consiste en un tornillo provisto de dos arandelas planas y de una tuerca. Obsérvese la convexidad de estas arandelas destinada a ajustarlas la una con la otra. Este tornillo se adapta al lado de un triángulo. Luego se coloca un segundo triángulo entre las dos, y aplicado contra ellas, mientras que la tuerca es ajustada con la llave (Fig. 1).

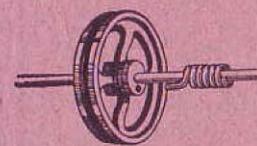


Fig. 4.

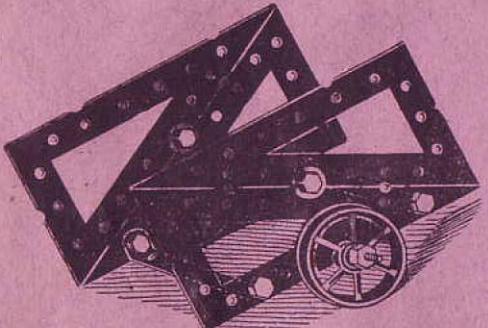
Tutti i triangoli sono combinati secondo un dato rapporto geometrico, (Fig. 2). - Le traverse, i triangoli, gli angoli di congiunzione, gli assi, le monovelle, le viti lunghe, vengono applicate come risulta dalle singole figure; l'albero secondo la fig. 3, le ruote con molla d'arresto secondo la figura 4.

Los triángulos están en relación geométrica con el sistema de cuadrícula. (Fig. 2).

Grapas, angulos, ejes, manivelos, tornillos largos serán empleados como aparecen en el grabado; la pieza giratoria como en la fig. 3 y los ruedas con aspiral sujetadora como en la fig. 4.

Metallo-Trigon No. 00

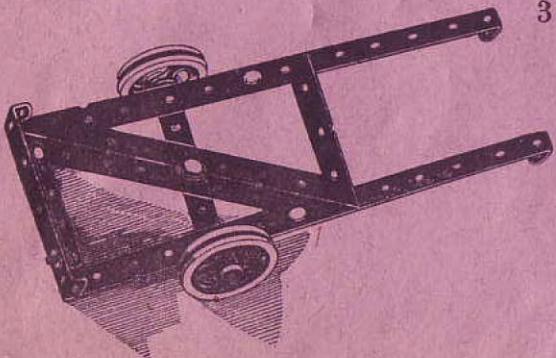
Wagen
Waggon



1

Carro
Carretilla

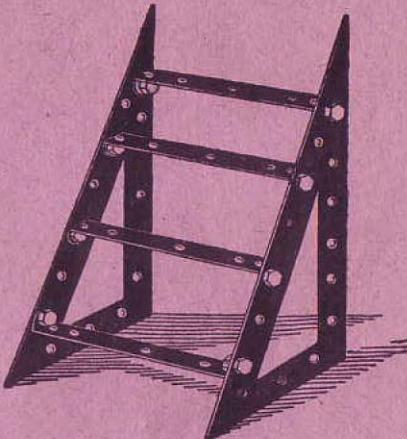
Karren
Barro



3

Caretto
Caritto

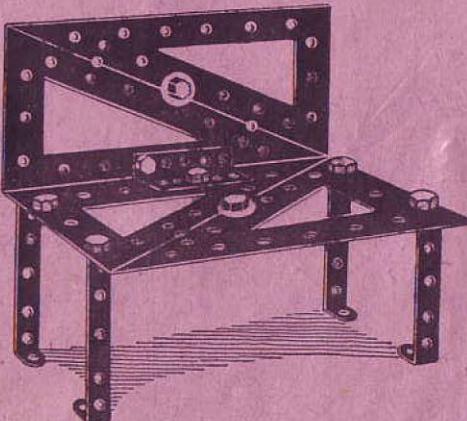
Leiter
Ladder



2

Scala
Escalera

Bank
Bench



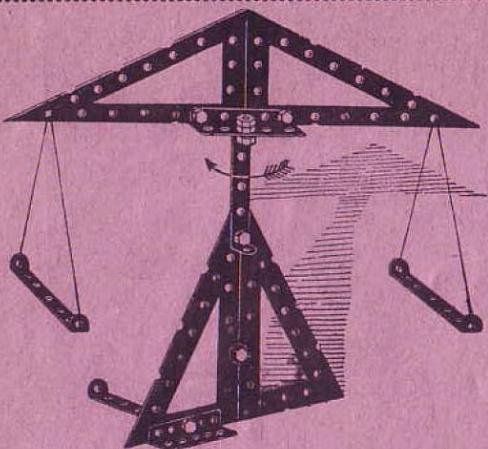
4

Banco

3

Metallo-Trigon No. 00

Karussel
Round-about



5

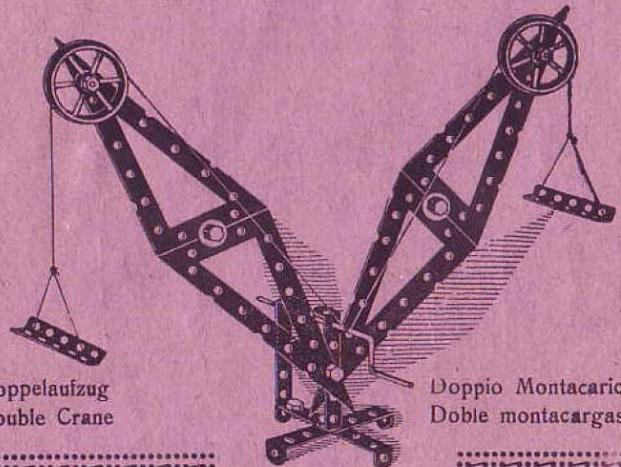
Giostra
Caroussel

Drehapparat mit
Windflügel
Rotating apparatus
with sail



6

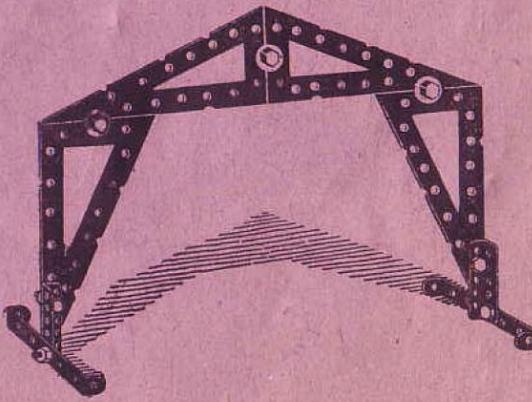
Doppelauflzug
Couple Crane



7

Doppio Montacarichi
Doble montacargas

Bogen
Archway

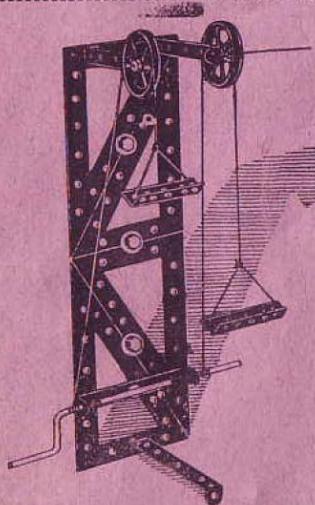


8

4

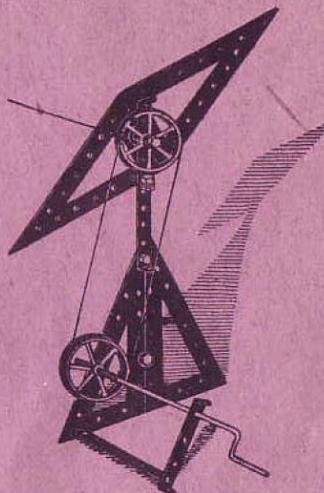
Metallo-Trigon No. 00

Aufzug
Lift



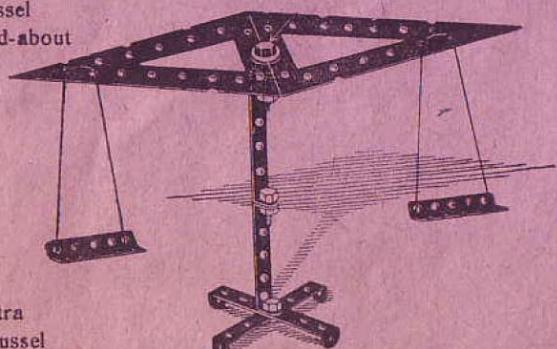
9

Drehapparat
Rotating apparatus



10

Ascensore
Ascensor



11

Karussel
Round-about



12

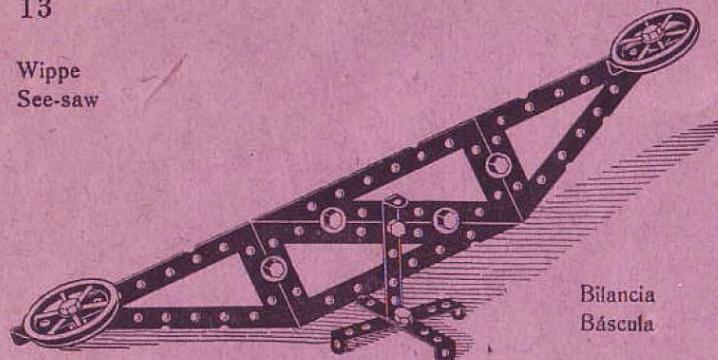
Giostra
Caroussel

Steg (in Verbindung mit Steinbaukasten)
Bridge (in combination with stone-blocks)
Passerella combinato con mattoni
Pasarela (en combinación con piedras de construcción)

Metallo-Trigon No. 00

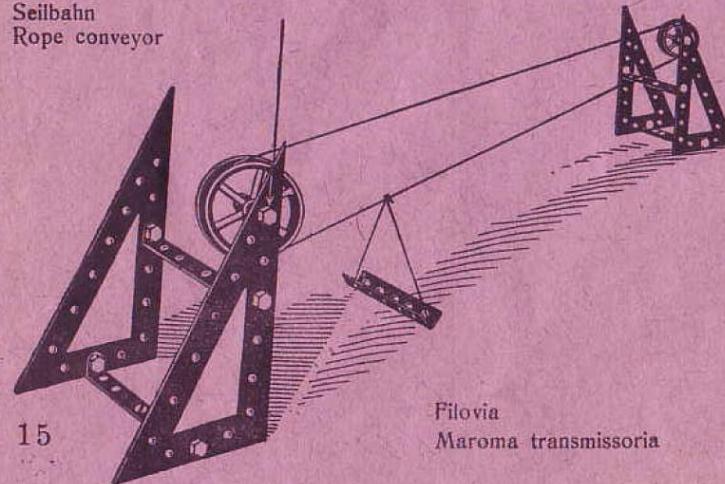
13

Wippe
See-saw



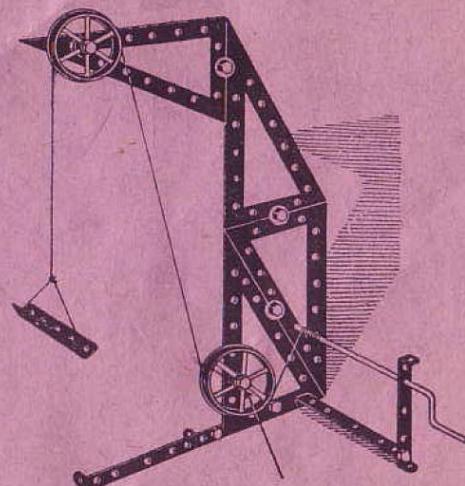
Bilancia
Báscula

Seilbahn
Rope conveyor



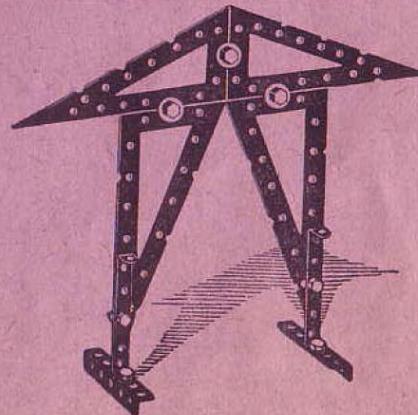
Filovia
Maroma transmissoria

Kran
Crane



Gruse
Grua

Durchgang
Door-way

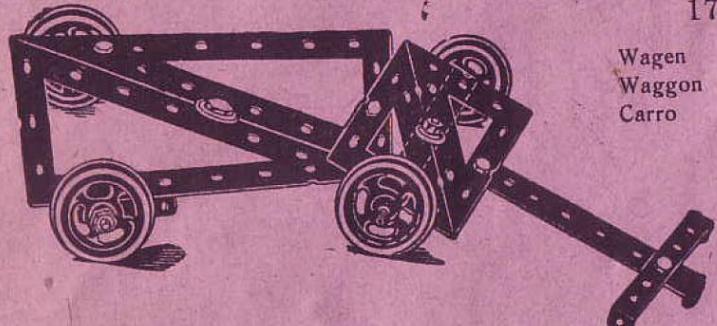


Porta
Paso

14

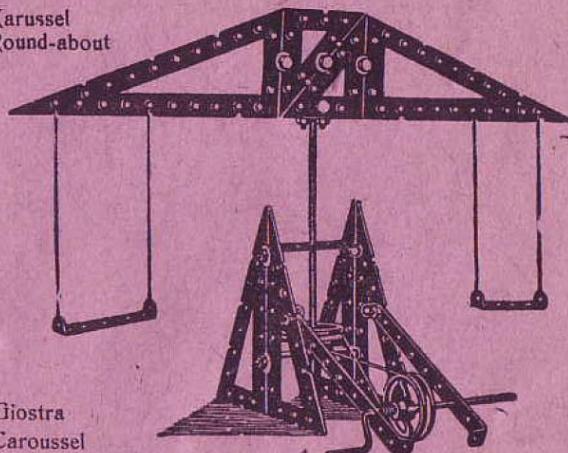
16

Metallo-Trigon No. 0



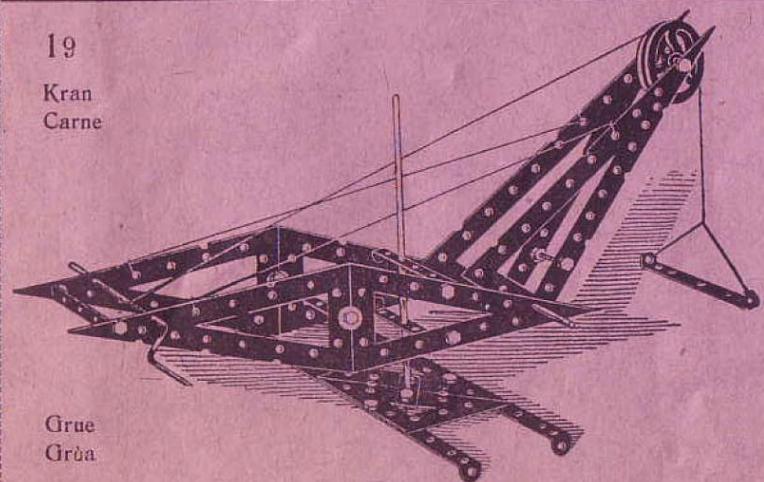
17

Wagen
Waggon
Carro



18

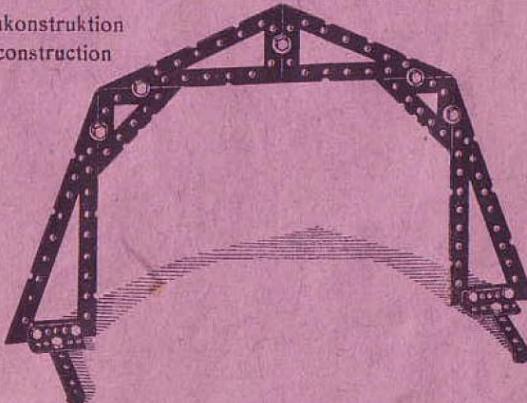
Karussel
Round-about



19

Kran
Carne

Bogenkonstruktion
Arch-construction



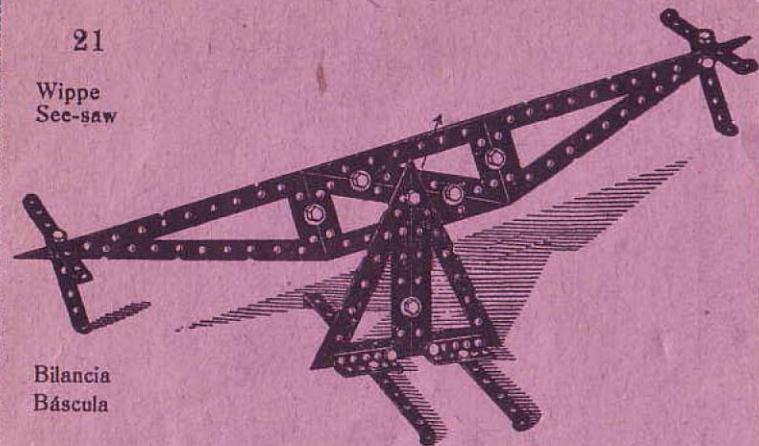
20

Arco

Metallo-Trigon No. 0

21

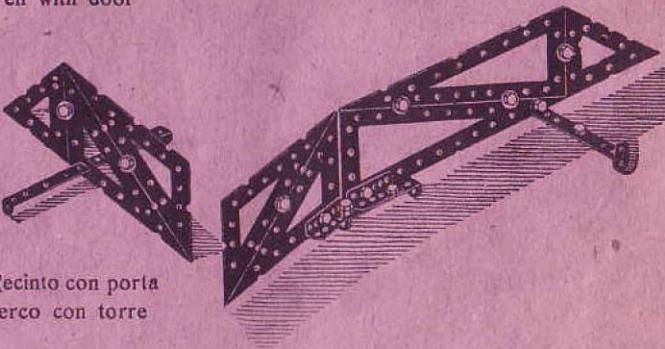
Wippe
See-saw



Bilancia
Báscula

Einzäunung mit Tor
Pen with door

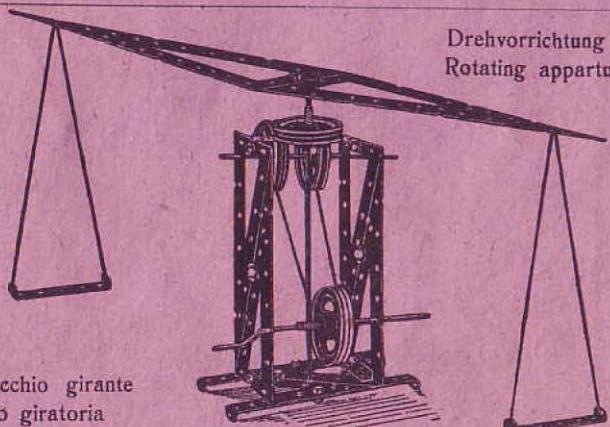
22



Recinto con porta
Cerco con torre

23

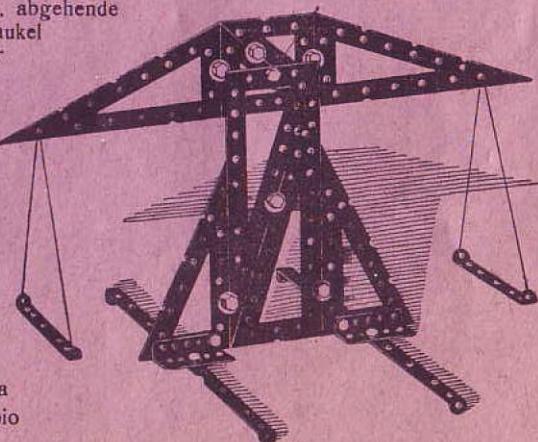
Drehvorrichtung
Rotating apparatus



Apparecchio girante
Aparato giratoria

Auf- u. abgehende
Schaukel
Jumper

24

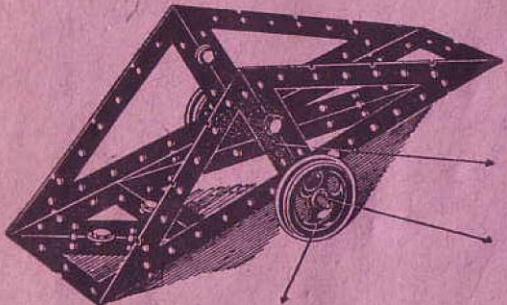


Altafena
Columpio

Metallo-Trigon No. 0

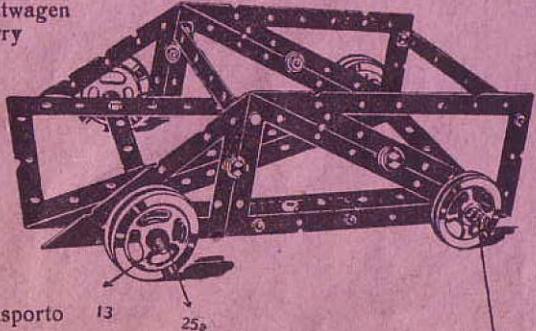
Steg auf Rädern
Gangway

25



Passerella
Pasadizo

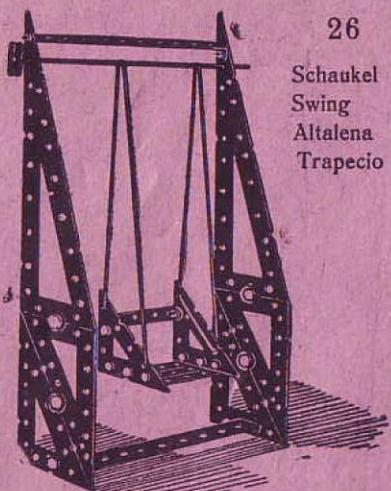
28 Lastwagen
Lorry



Carro-transporto
Carromato

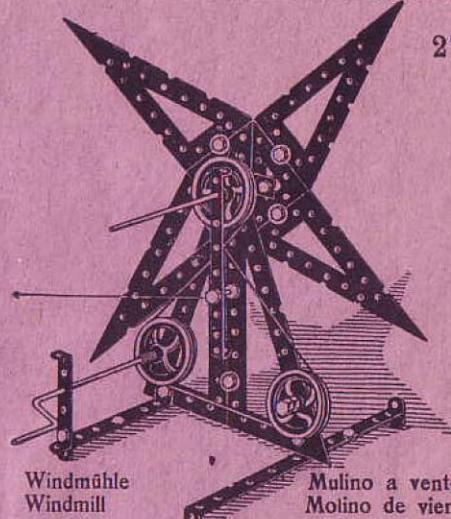
13
25a

28



26

Schaukel
Swing
Altalena
Trapecio

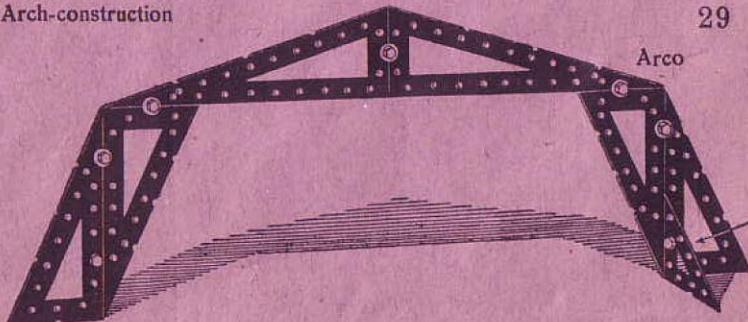


Windmühle
Windmill

Mulino a vento
Molino de viento

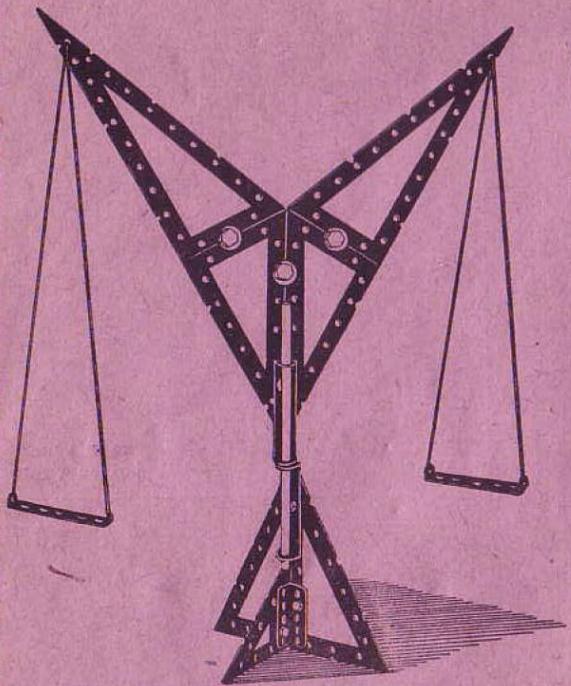
27

Bogen-Konstruktion
Arch-construction



29

Arco

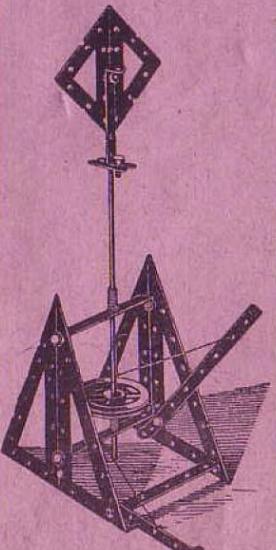
Metallo-Trigon No. 0

30

Rundlauf
Giant-stride
Apparecchio
girante
Puntal giratoria

31

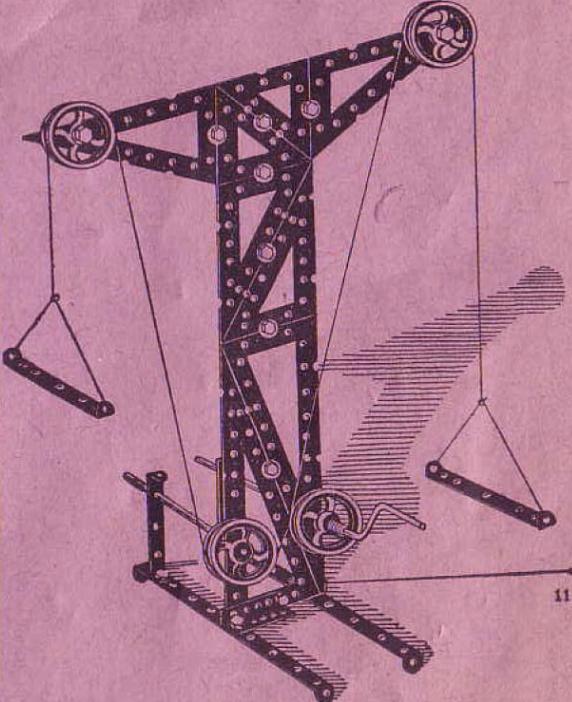
Signal
Rotating signal



Signale giravole
Senal giratoria

32

Doppelauflauf
Double-lift
Doppio
ascensore
Doble ascensor



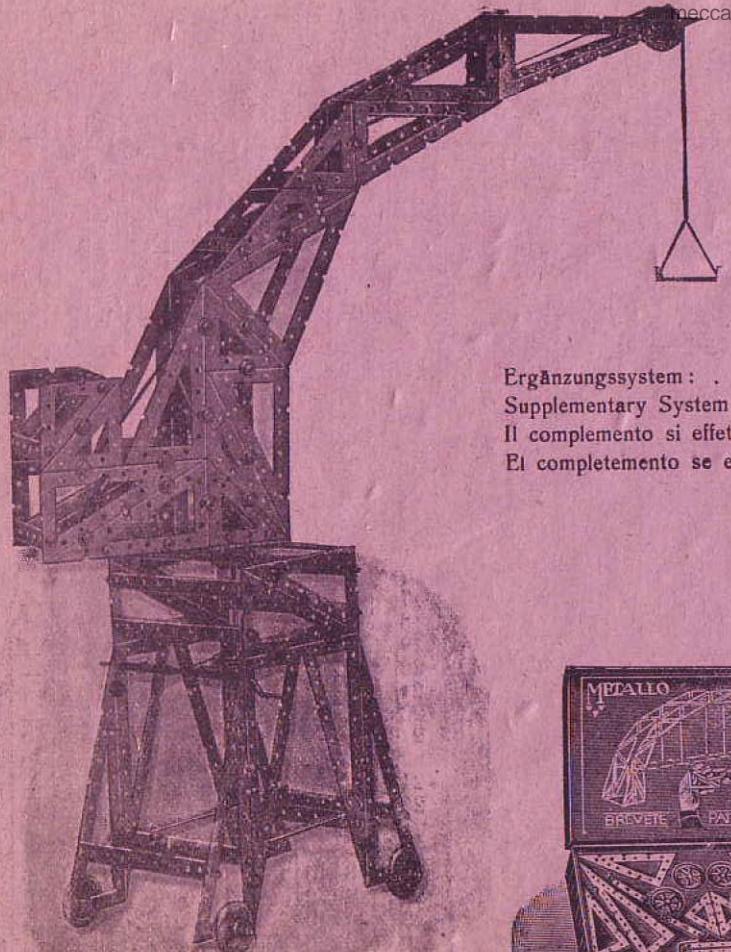
11

Alle Einzelteile sind billig zu beziehen.

All additional parts can be cheaply obtained.

Si posson avere a prezzi ridotti le singole parti.

Se pueden adquirir, separadamente y á bajos precios, todas la plazas sueltas.

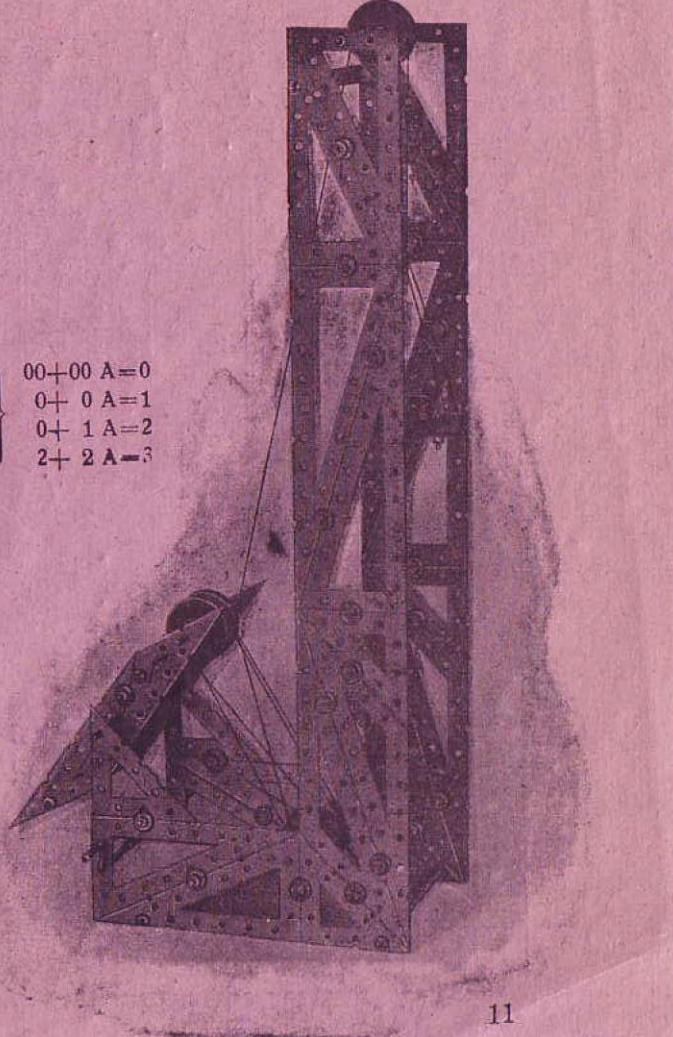


Modell. Metallo-Trigon No. 3



Metallo-Trigon Nr. 0

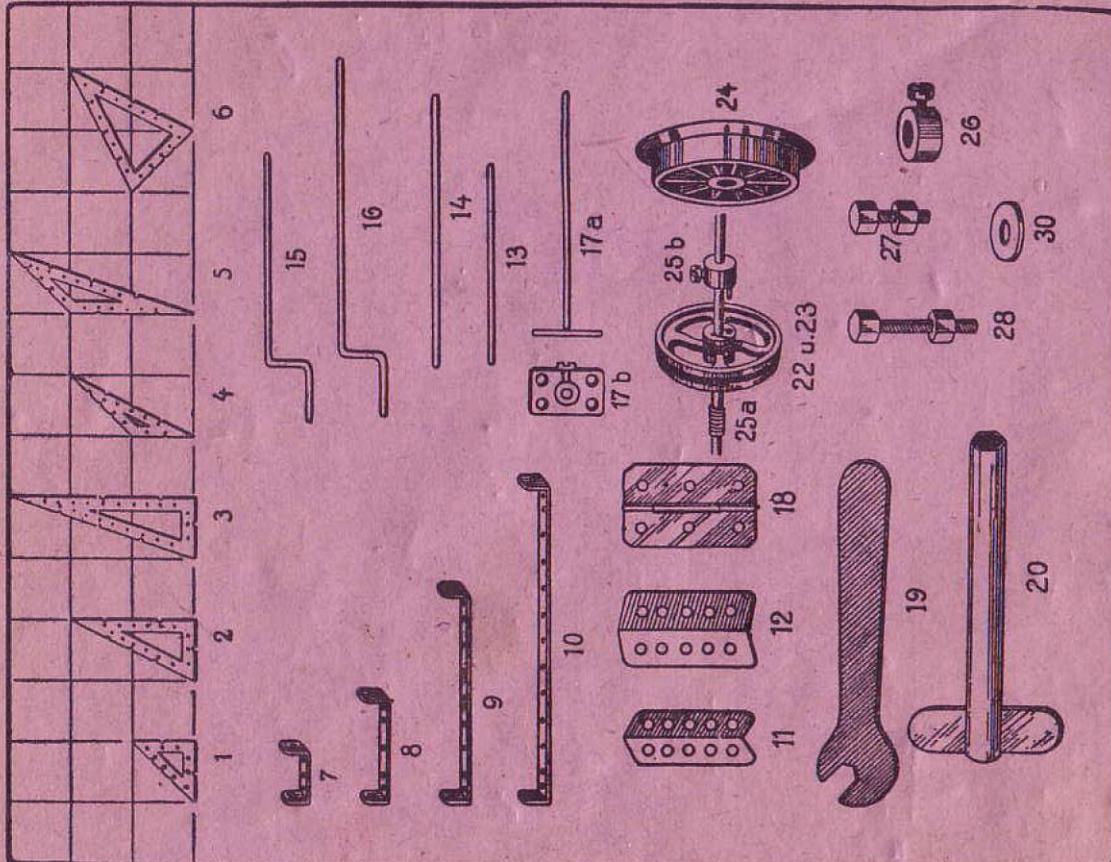
Ergänzungssystem: }
Supplementary System: }
Il complemento si effettua come segue: . . . }
El completement se efectua como sigue: . . . }
 }
 }
 }
00+00 A=0
0+ 0 A=1
0+ 1 A=2
2+ 2 A=3



Modell. Metallo-Trigon No. 2

Einzelteile
Separate Parts

Pezzi separati
Piezas sueltas



Inhalt der Kästen
Contents of boxes
Contenuto delle scatole
Contenido de los cajas

Nr.	000	00	0	1	2	3	00A	0A	1A	2A
1	-	2	4	4	4	8	12	2	4	4
2	4	4	6	12	14	24	24	2	2	10
3	-	-	2	4	8	18	18	2	2	10
4	-	-	-	2	4	8	8	-	-	4
5	-	-	-	2	4	8	8	-	-	4
6	-	-	-	2	4	6	6	-	-	2
7	-	-	2	4	4	4	4	-	-	2
8	4	4	4	6	6	8	12	-	2	4
9	2	2	2	2	6	8	18	-	4	10
10	-	-	-	2	4	4	12	-	-	4
10a	-	-	-	-	2	6	6	-	2	2
11	2	2	2	4	4	6	12	2	2	6
12	-	-	-	-	2	4	8	-	2	4
13	-	-	-	1	2	3	6	1	1	3
14	-	-	-	1	2	3	6	1	1	3
15	-	-	1	1	1	1	3	-	1	1
16	-	-	-	1	1	2	3	1	-	1
17a	-	-	-	1	-	-	-	-	-	-
17b	-	-	-	-	1	1	2	-	1	1
18	-	-	-	-	1	2	4	-	1	2
19	2	2	2	1	1	2	2	-	1	1
20	-	-	-	1	1	1	1	-	-	-
21	1	1	1	1	1	1	1	-	-	-
22a	2	2	2	4	-	4	4	-	-	-
22b	-	-	-	-	-	2	2	-	-	-
23	-	-	-	-	-	-	-	-	2	4
24	-	-	-	-	-	4	4	-	-	-
25a	2	2	4	-	-	-	2	-	-	-
25b	-	-	-	-	4	4	6	-	4	2
26	-	-	-	-	4	4	12	-	4	8
27	8	10	18	36	72	150	8	18	36	78
28	2	2	2	4	6	12	-	2	2	6
29	10	12	20	40	78	162	8	20	38	84
30	16	20	36	72	144	300	16	36	72	156
31	-	1	1	1	2	-	-	-	-	1
32	Prslp	1 Kl.	1 Kl.	1 gr.	1 gr.	-	1 gr.	-	-	-
	55	69	119	220	414	830	49	103	194	416