

### PREFACE

Once there was a time

when nothing else but stone and wood was available for construction purpose. Towers, houses and bridges were made out of these materials. However, it is a hard work to build with stone blocks, timbers, and planks. Consequently buildings erected at that time, look very plainly, except of famous constructions, such as cathedrals and churches, eastles and town-halls, erected by artist's hand.

Only steel and metal enabled us to erect numerous and various buildings and machines, which gave the reason for calling our days the "Age of Steel".

Almost every day we are surprised by new wonders of technics. High buildings and towers are growing up to enormous height, steel bridges are crossing streams and valleys, and heavy loads are moved by cranes and hauling-plants. Innumerable kinds of cunningly invented machines and tools are used in carrying enterprises, in the agriculture, as well as in industrial factories and workshops.

The Ferrox-Construction-Set contains a specially selected number of steel- and metal parts, from which various constructions can be made, such as bridges, radio- and look-out-towers, cranes, vehicles and movable machines, by variable plays.

This model-book is showing only a small choice of those models you can build by means of this construction set. They are examples for proper use of the different metal parts and they are to introduce into the method of construction. Very soon the little technician will be so perfect that he will invent new constructions.

And now, my young friends, prove your fancy and inventive faculty! Cheer up! Consider that many a great inventors started very simply. If, however, you are going to project large buildings, such as sky-scrapers, industrial works and hauling plants, and some parts are missing, you can buy them as traverses, angles, wheels, shafts, screws and nuts etc. (see next page). In any wanted quantity at every special shop. Besides, supplementary sets are in preparation. If, however, you have build a pice model, not existing in our model-book, send it to the undersigned firm: you will get a premium for good ideas.

Good Luck!

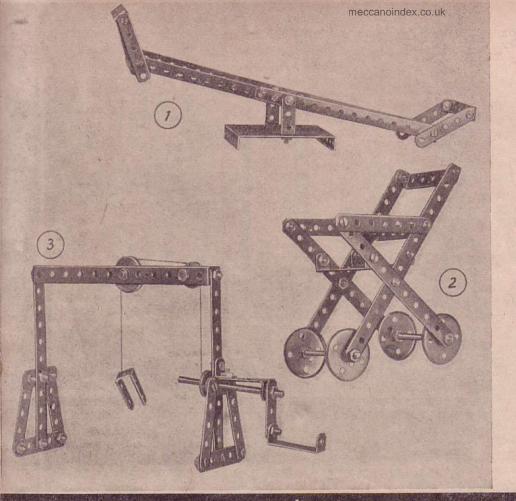
Reinhard Drösler

Bamberg

Obere Königstraße 35

CON	TENTS			ox r.	000			<b>Y</b>		IX					
I	foundation plate, p	lain 108×75		1		1				-	1		XV		
II	foundation plate, co			1		. 1					<b>/</b> 4000		MYN	ALC: N	
Ш		14 holes	4	8	C	C	0		· XVI		O	9 0	000	/APIC	
IV	traverses	11 holes	6	6			A STATE OF THE STA				THE RESERVE			(A)	XVI
V	traverses	7 holes	6	6	M		XVI	7	1		V				Olyn
VI	traverses	5 holes	10	12	0	e			X						
VII	traverses	3 holes	4	6			-		#00 . ro	1		-		CONTRACTOR OF THE	-
VIII	traverses	3 holes	4	6					₩ XX	VI .			•		
IX	angle traverses	1×12×1		4	O	9	Q								
X	angle traverses	$1 \times 5 \times 1$	4	4	M			0	₹ XX	V	6				
XI	angle traverses	$1 \times 3 \times 1$	4	4							-			X	IX
XII	angles	1×8	-	4	O	0	K						Saltre .		
XIII	bearing fork rests		2	4				0	0						
XIV	angles	1×1	9	12					AD.					A 0	
XV		30 mm	2	4					00	VIII	No.	No.			
XVI	disks 8	36 mm	4	8				0							
XVII		24×4	1	2			17	177	1/11		- 4	XI	VII	VIII	XIV
		17×4	2	4	[][	IV	V	VI	VII .		X	Al	XII	XIII	VIA
XIX	screw-driver with	spanner	-1	2	180		0 0			0 0		BOOK,			ORC
XX		8×10	1	2						XXIII					PER
XXI	shafts length 8		1	2						AMI					
	shafts length		2	4	80		POR L			1		0 6	0 0		ORO
	shafts length		2	4										-	
		hread 10 mm	1	2	Line I		Page 1								
XXV	screws	6×8	40	50		0 0		AL A	20						
XXVI	nuts	8×2	40	60	N.										APPENDED TO
AAVI	washers		10	20	No. of Concession, Name of Street, or other Persons, Name of Street, or ot		archer Han		and I	II II	. 0		SOLD SERVE		Bullishop
	model-book		1	1			11		XXI	XXIV XX	1		I		

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и	VIII.	m	$\alpha$ 1	-

#### Seesaw

1	foundation plate,	curved
	traverses	14 holes
2	traverses	11 holes
4	traverses	5 holes
	angle traverses	$1 \times 5 \times 1$
	angles	1×8
- 1	shaft	80 mm
14	screws	
18	nuts	

TM	0	d	al	2

#### Wheeled chair

2	traverses	14 holes
2	traverses	11 holes
2	traverses	7 holes
4	angle traverses	1×5×1
	disks	36 mm
2	shafts	80 mm
	screws	

#### Model 3

28 nuts

24 nuts

### Heaving trestle

THE RESERVE TO SHARE THE PARTY OF THE PARTY	THE RESERVE OF THE PARTY OF THE
2 traverses	11 holes
6 traverses	5 holes
8 traverses	3 holes
2 angle traverses	1×12×1
1 angle travers	$1 \times 3 \times 1$
1 angle	1×3
1 angle	1×1
1 band wheel	$24\times4$
2 band wheels	17×4
1 shaft	80 mm
2 shafts	20 mm
16 screws	

 Model 4
 Step-ladder

 2 traverses
 14 holes

 2 traverses
 11 holes

 4 angle traverses
 1 ★ 5 ★ 1

 10 screws
 10 nuts

Model 5

Tobaggan

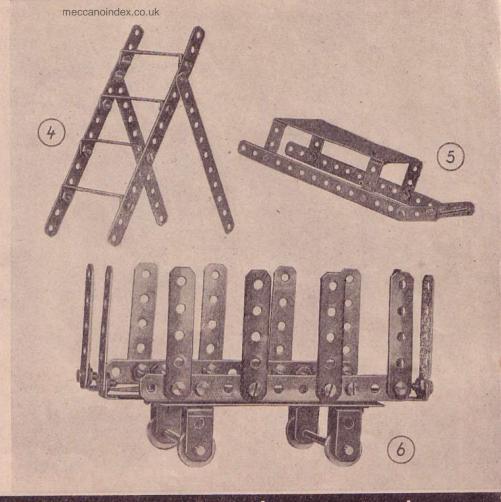
1 foundation plate, plain
2 traverses 14 holes
2 traverses 3 holes
4 angles 1×8
1 shaft 80 mm, thread 10 mm
10 screws

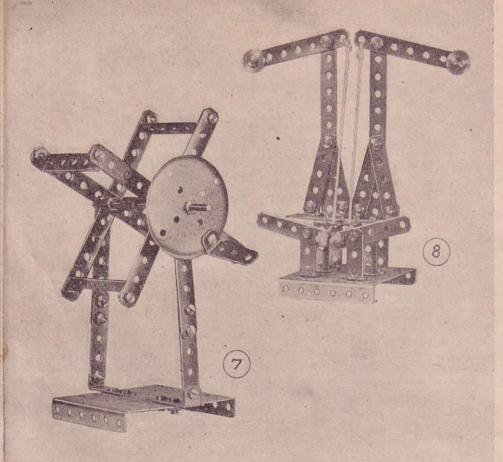
12 nuts

Waggon Model 6 1 foundation plate, plain; 11 holes 2 traverses 5 holes 12 traverses  $1 \times 8$ 4 angles 4 angles 1×1  $2 \times 1 \times 2$ 4 bearing fork rests 17×4 4 band wheels 2 shafts 80 mm

24 screws

24 nuts





#### Reel

1	foundation plate,	curved
4	traverses	11 holes
2	traverses	7 holes
2	traverses	5 holes
4	angle traverses	$1 \times 5 \times 1$
3	angles	1×3
1	disk	60 mm
1	shaft	80 mm
1	shaft	40 mm
1	screw socket	
19	screws	

#### Model 8

30 nuts

#### Home signal

I foundation plate.	curved
2 traverses	11 holes
4 traverses	7 holes
6 traverses	5 holes
2 traverses	2 holes
4 angle traverses	1×8×1
2 angles	1×3
4 angles	1×1
2 band wheels	17×4
28 screws	
82 nuts	

Model 9	Windless
2 traverses	14 holes
4 traverses	5 holes
3 traverses	3 holes
2 angle traverses	$1 \times 5 \times 1$
2 angle traverses	1×8×1
1 angle	1×8
2 disks	36 mm
1 shaft	80 mm
18 screws	

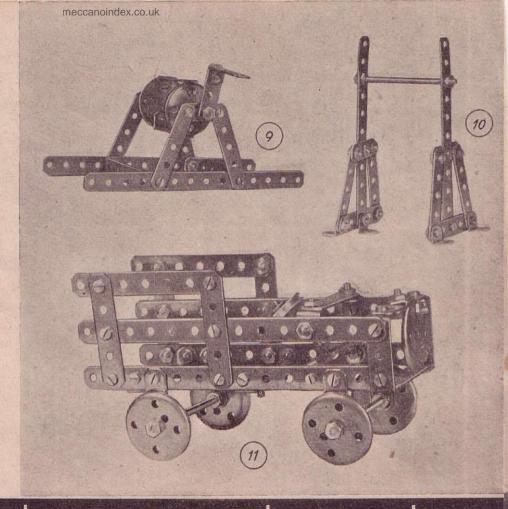
Model 10				Horiz	ent	al ba
2	travers	es			11	holes
6	traverse	es			5	holes
2	traverse	es			3	holes
6	angles				1	X1
		80	mm.	thread	10	mm
	screws					

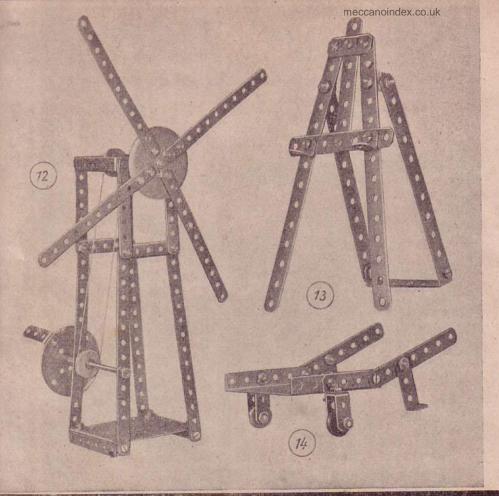
12 screw

88 screws 50 nuts

20 nuts

Model 11	Truck
4 traverses	14 holes
4 traverses	7 holes
7 traverses	5 holes
4 traverses	8 holes
3 angle traverses	1×5×1
2 angle traverses	IX8X1
3 angles	1X1
5 disks	36 mm
1 band wheel	24×4
2 shafts	80 mm
1 shaft	40 mm





#### Model 12 Little wind-mill

1 foundation plate, plain 14 holes 4 traverses 11 holes 4 traverses 7 holes 4 traverses 5 holes 4 traverses 1×5×1 1×8 2 angle traverses 1 angle IXI 4 angles 60 mm 2 disks 2 band wheels  $24 \times 4$ 17×4 1 band wheel 8) mm 2 shafts 20 mm

2 screw sockets 25 screws and 88 nuts

2 shafts

Model 13	Easel
2 traverses	14 holes
2 traverses	11 holes
2 traverses	7 holes
1 travers	3 holes
l angle travers	$1 \times 5 \times 1$
4 angles	1X1 1
12 screws and 12 nuts	

#### Model 14

#### Wheelbarrow

I foundation plate, cur	ved
2 traverses	7 holes
2 angles	1×3
2 angles	1×1
2 bearing fork rests	
2 band wheels	17×4
2 shafts	20 mm
8 screws and 12 nuts	

#### Model 15 Car of fire-brigade

2 traverses	14 holes
1 travers	7 holes
5 traverses	5 holes
1 travers	8 holes
2 traverses	2 holes
2 angle traverses	1×12×1
4 angle traverses	$1 \times 5 \times 1$
2 angle traverses	$1 \times 3 \times 1$
4 angles	1×8
2 bearing fork reets	
6 disks	36 mm
3 band wheels	17×4
8 shafts	80 mm

#### 1 screw socket

31 screws 48 nuts

60 nuts

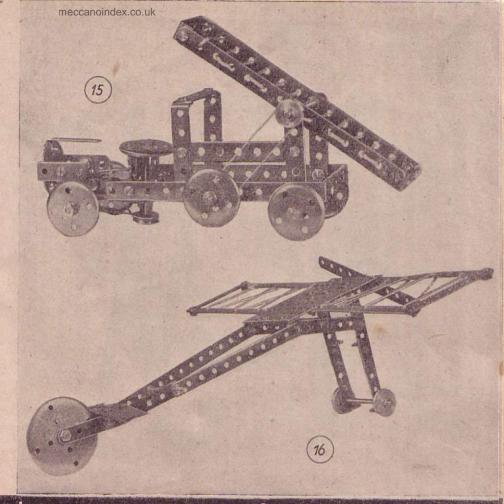
8 shafts 2 shafts

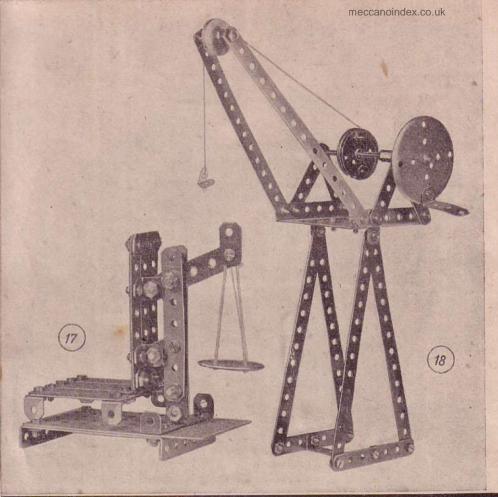
#### Model 16

#### Airplane

40 mm

1	foundation plate, plain	
		14 1-1
	traverses	14 holes
	traverses	11 holes
4	traverses	7 holes
10	traverses	5 holes
	traverses	3 holes
3	angle traverses	1×5×1
4	angles	1×3
2	disks	60 mm
2	band wheels	24×4
1	band wheel	17×4
8	shafts	80 mm
1	shaft	40 mm
38	screws	





Iodel 17 C	entesimal	balance
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1	foundation pla	te, plain	
1	foundation pla	ite, curved	
	traverses		7 holes
6	traverses		5 holes
6	traverses		2 holes
2	traverses		3 holes
-2	angle traverse	S	1×5×1
	angle travers		1×8×1
	angle		1×8
	angles		IXI
	disk		56 mm
utazan)	screws		
ASSESSED BY	nuts		

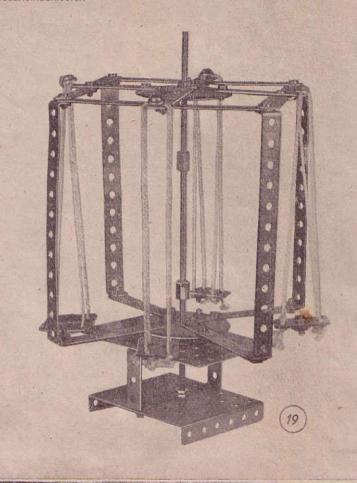
19 screws 35 nuts

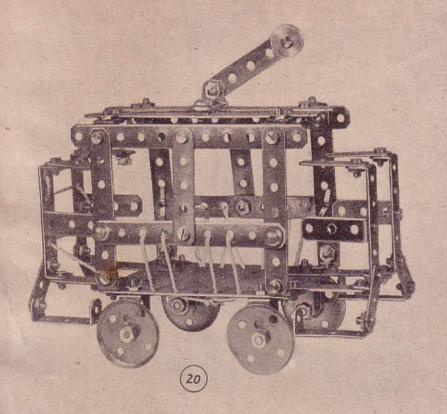
#### Crane

1 foundation plate,	curved
6 traverses	14 holes
2 traverses	7 holes
4 traverses	5 holes
2 angle traverses	1×5×
1 angle	1×3
1 disk	60 mm
2 disks	36 mm
1 band wheel	24×4
1 shaft	80 mm
2 shafts	40 mm
I screw socket	

#### Merry-go-round

- 1 foundation plate, plain
- I foundation plate, curved
- 4 traverses 11 holes
- 4 traverses 7 holes 4 traverses 5 holes
- 4 traverses 5 holes 8 traverses 3 holes
- o traverses 5 note:
- 4 traverses 2 holes
- 4 angle traverses 1×12×1
- 2 angle traverses  $1 \times 3 \times 1$
- 2 disks 60 mm
- 2 band wheels
- 2 band wheels 17×4
- 2 shafts 80 mm
- 1 shaft 80 mm, thread 10 mm
- 2 screw sockets
- 38 screws
- 43 nuts





#### Tramway

- 1	foundation plate, plain	
4	traverses	11 holes
4	traverses	7 holes
10	traverses	5 holes
8	traverses	3 holes.
4	angle traverses	$1\times5\times$
4	angle traverses	1×8×
4	angles	1×8
5	angles	1×1
4	bearing fork rests	
4	disks	36 mm
1	band wheel	17×4
4	shafts	20 mm
40	screws	
40	nuts	

#### Model 21 Drilling maschine

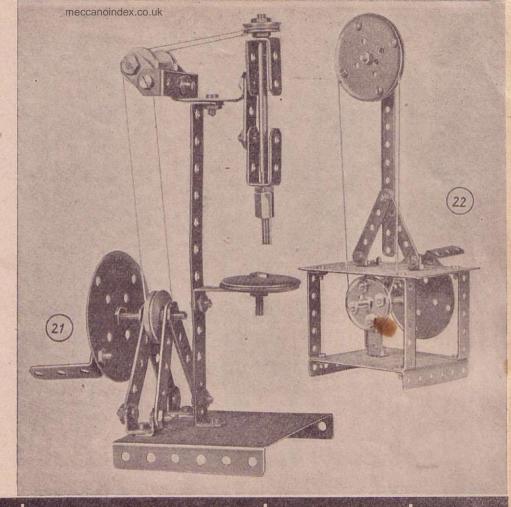
1	foundation plate, curve	d
	traverses	5 holes
1	travers	3 holes
2	traverses	2 holes
1	angle travers	1×12×
2	angle traverses	1×8×
2	angles	1×8
2	bearing fork rests	
1	disk	60 mm
	disks	86 mm
	band wheel	24×4
	band wheels	17×4
	shaft 80 mm, thread	
	shaft shaft	40 mm
	shafts	20 mm
	screw sockets	20 11111
	SCIEW SUCKERS	
	nuts	
20	nuts	

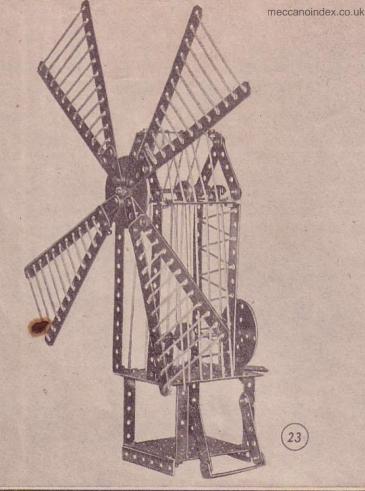
#### Model 22

36 nuts

#### Band-saw

1	foundation plate, plai	n
1	foundation plate, cur	ved
	travers	11 holes
2	traverses	5 holes
1	travers	3 holes
	angle traverses	$1\times5\times$
2	angles	1×3
3	angles	1×1.
2	bearing fork rests I	
100	disks	60 mm
3	disks	36 mm
1	shaft	80 mm
1	shaft	40 mm
26	screws	





Big wind-mill

1	foundation plate,	plain	
1	foundation plate,	curve	1
8	traverses		14 holes
8	traverses		7 holes
9	traverses		5 holes
4	traverses		2 holes
4	angle traverses		$1\times12\times1$
4	angle traverses		$1 \times 5 \times 1$
4	angles		1×8
12	angles		1×1
- 2	disk		60 mm
1	band wheel		24×4
1	band wheel		17×4
2	shafts		80 mm
1	shaft		40 mm
1	shaft		20 mm
2	screw_sockets		
47	screws		
60	nuts		