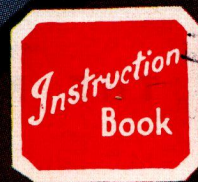


# *The* **BEAVER**

**ALL STEEL CONSTRUCTION  
SET**

*Join the Beaver Club*



## THE **BEAVER** STEEL CONSTRUCTION SET

*This Booklet has been prepared to illustrate the many and various models which can be constructed from the No. 4 Beaver Set. Make the models as illustrated, then learn to originate and design your own; you will gain a wonderful feeling of satisfaction in originality.*

### ILLUSTRATIONS

Are all photographs of models made from this set, designed for ease and simplicity of construction by our team of experts.

Each model illustrated has its key number of parts required to build it.

*Belt drives on working models are made with string fitting into the grooved pulley wheels and using a reef knot which will not slip.*

## THE **BEAVER** ALL STEEL CONSTRUCTION SETS

MADE IN ENGLAND BY

**THE RUTLAND PLASTICS LTD., OAKHAM, RUTLAND**

Telephone: Oakham 178



3 JUN 1958

MAY 1958

# ALL ABOUT THE BEAVER CLUB

The Beaver Club is sponsored by the Directors of this Company to further the interests of youths of all ages in model engineering: and any problems in your model making will be answered and advice given.

*Competitions for models will be held occasionally and members will be duly notified. Tear off the attached slip and post today.*

## THE BEAVER CREED

To do some things better than they have ever been done before, to model for the love of it, to originate, to look ahead to the future, to be an example, and to learn to master circumstances.

### CLUB MEMBERS

Tear off  
this portion and enclose with a  
S.A.E. to

THE RUTLAND PLASTICS  
LTD.

OAKHAM, RUTLAND

*Please enrol me in your Beaver Club, which entitles me to advice on any particular problem on model making with my Beaver Set, and also to participate in the model making competitions which will be held occasionally.*

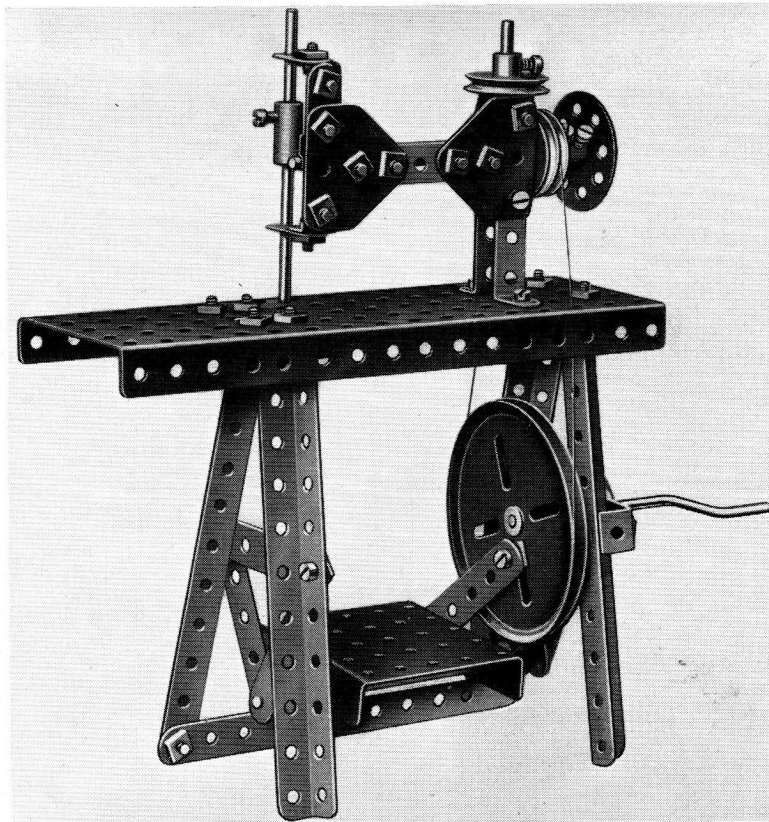
NAME .....

ADDRESS.....

.....

.....

# CONSTRUCTED FROM **BEAVER No. 4 SET**



## SEWING MACHINE

List of parts to make the model illustrated

No.	Parts	No.	Parts
14	Large Base Plate ... 1	2	11 Hole Flat ... 1
22	5 Hole Base Plate ... 2	7	11 Hole Angle ... 4
26	1×1 Hole Flat ... 6	10	Axle Bracket ... 2
28	1×1 Hole Angle ... 6	25	Axle Bar Clip ... 5
27	1×1×1 Bent... ... 3	20	Screws ... ... 35
3	5 Hole Flat ... 8	19	Nuts ... ... 34
4	5×1 Bent Flat ... 2	32	Coupling Collar ... 1
5	1×5×1 Bent Bracket 1	15	2½" Axle Bar ... 1
29	Flat Pulley ... 1	17	4½" Axle Bar ... 1
13	Pulley Wheel... ... 3	18	5½" Axle Bar ... 2
30	3" Large Pulley ... 1	21	Handle ... ... 1
11	Crank Wheel... ... 1		

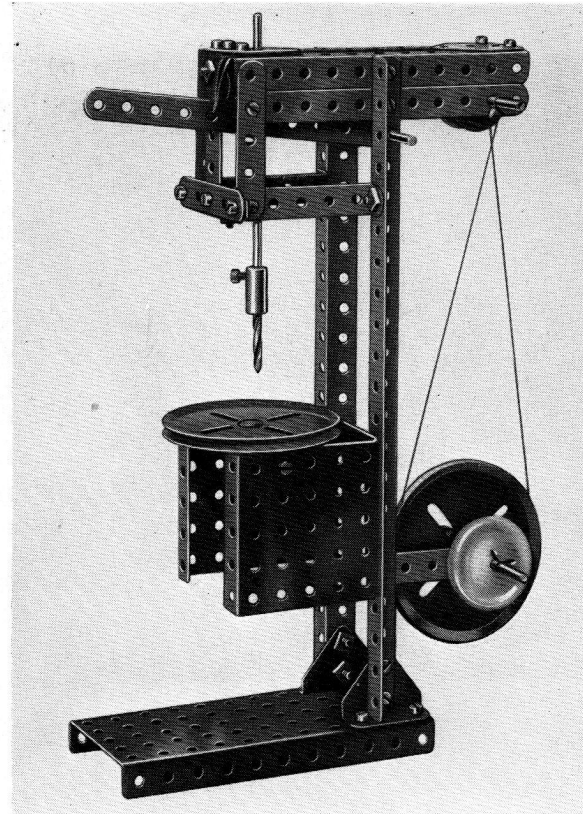


# CONSTRUCTED FROM **BEAVER No. 4** SET

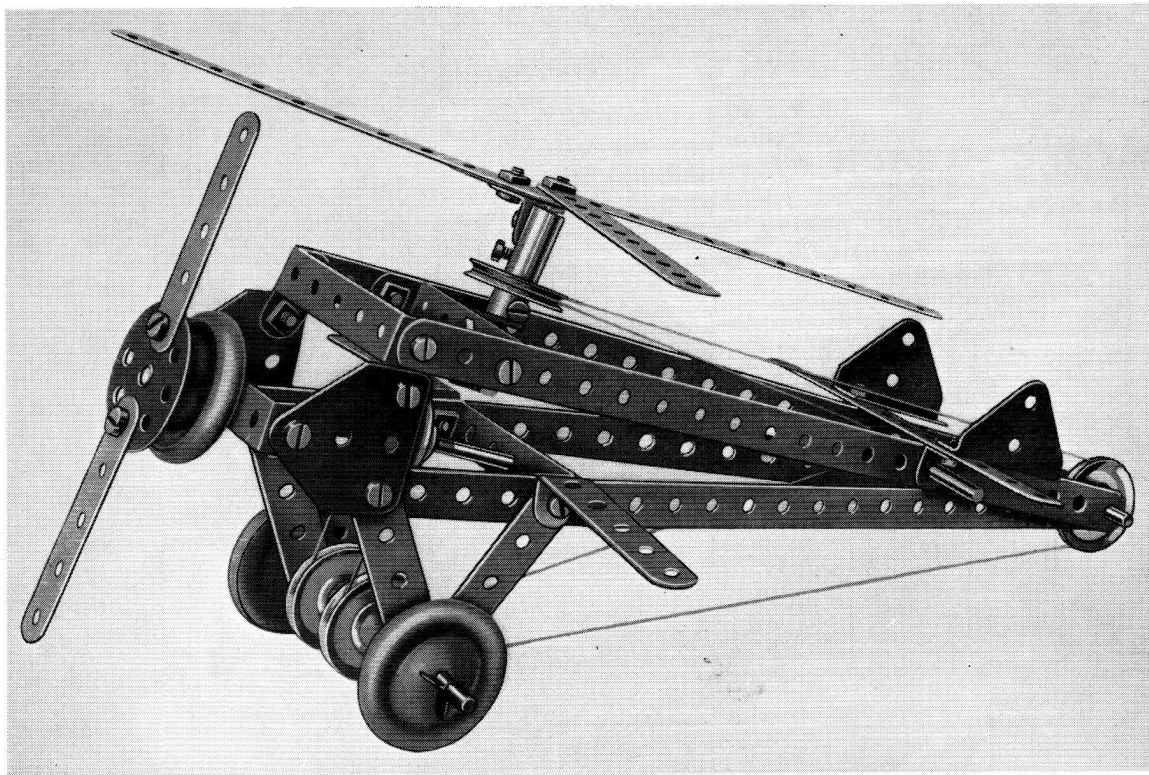
## PEDESTAL DRILLING MACHINE

List of parts to make the model illustrated

No.	Parts	No.	Parts
14 Large Base Plate ...	1	7 11 Hole Angle ...	2
22 5 Hole Base Plate ...	2	10 Axle Bracket ...	2
26 1×1 Hole Flat ...	2	9 Bent Axle Bracket ...	2
27 1×1×1 Bent ...	1	25 Axle Bar Clip ...	10
12 Road Wheel... ..	1	20 Screws ...	36
3 5 Hole Flat ...	4	19 Nuts ...	36
4 5×1 Bent Flat ...	2	32 Coupling Collar ...	1
5 1×5×1 Bent Bracket ...	4	6 21 Hole Angle ...	2
29 Flat Pulley ...	2	15 2½" Axle Bar ...	1
13 Pulley Wheel ...	1	17 4½" Axle Bar ...	2
30 3" Large Pulley ...	2	18 5½" Axle Bar ...	1
2 11 Hole Flat... ..	3	21 Handle ...	1



# CONSTRUCTED FROM **BEAVER No. 4** SET



## AUTO-GYRO

List of parts to make  
the model illustrated

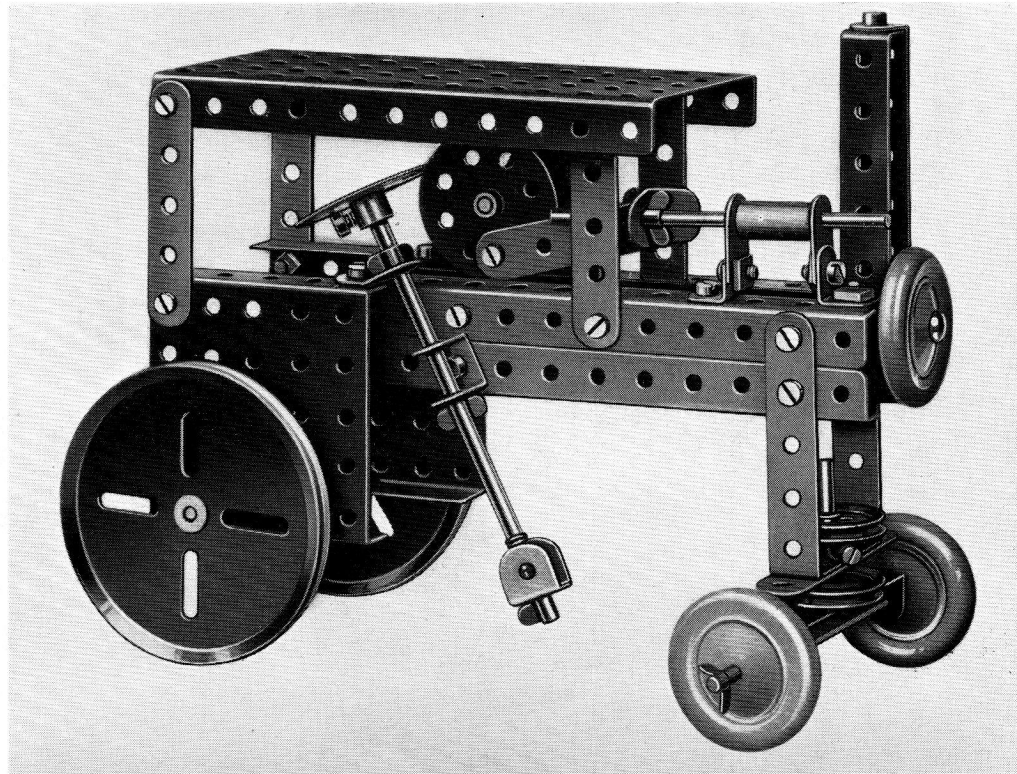
No.	Parts	
26	1×1 Hole Flat	... 3
8	1×1 Hole Angle	... 3
27	1×1×1 Bent...	... 1
12	Road Wheel	... 3
3	5 Hole Flat	... 6
4	5×1 Bent Flat	... 2
5	1×5×1 Bent Bracket	4
29	Flat Pulley	... 1
13	Pulley Wheel...	... 4
11	Crank Wheel...	... 1
2	11 Hole Flat	... 4
10	Axle Bracket	... 2
9	Bent Axle Bracket...	2
25	Axle Bar Clip	... 7
20	Screws	... 19
19	Nuts	... 19
32	Coupling Collar	... 1
1	21 Hole Flat	... 1
15	2½" Axle Bar	... 2
17	4½" Axle Bar	... 1
18	5½" Axle Bar	... 2

# CONSTRUCTED FROM **BEAVER No. 4 SET**

## TRACTION ENGINE

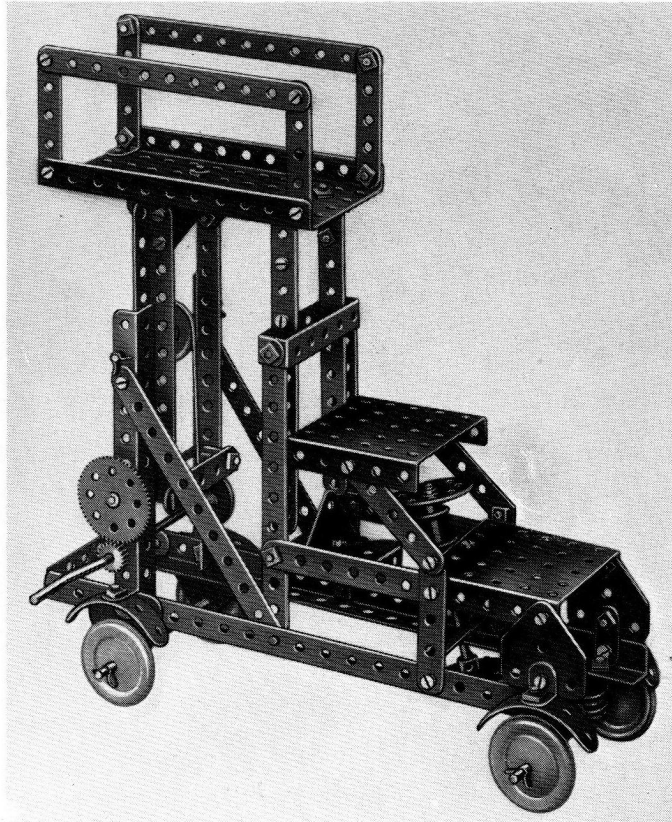
List of parts to make the model  
illustrated

No.	Parts
14 Large Base Plate ... ..	1
22 5 Hole Base Plate ... ..	2
26 1×1 Hole Flat ... ..	5
8 1×1 Hole Angle ... ..	3
27 1×1×1 Bent ... ..	2
12 Road Wheel... ..	3
3 5 Hole Flat ... ..	8
4 5×1 Bent Flat ... ..	2
5 1×5×1 Bent Bracket ... ..	3
29 Flat Pulley ... ..	1
13 Pulley Wheel ... ..	2
30 3" Large Pulley ... ..	2
11 Crank Wheel ... ..	2
7 11 Hole Angle ... ..	4
10 Axle Bracket ... ..	1
9 Bent Axle Bracket ... ..	2
25 Axle Bar Clip ... ..	10
20 Screws ... ..	32
19 Nuts ... ..	34
32 Coupling Collar ... ..	1
15 2½" Axle Bar ... ..	2
17 4½" Axle Bar ... ..	2
18 5½" Axle Bar ... ..	2





# CONSTRUCTED FROM **BEAVER No. 4** SET



## TOWER WAGON

List of parts to make the model illustrated

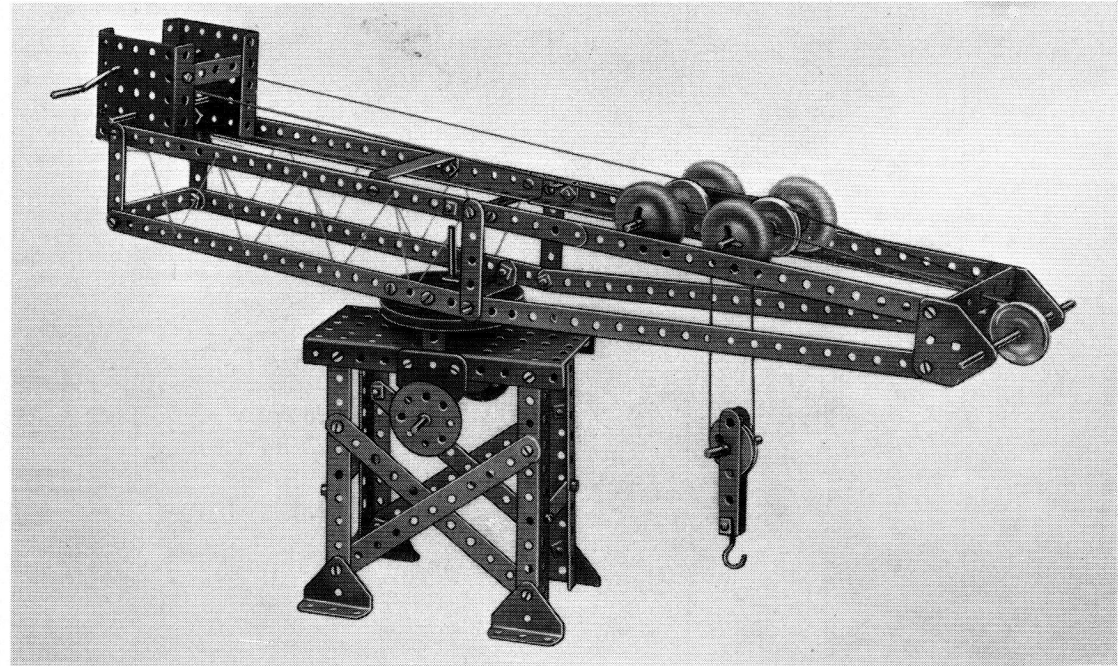
No.	Parts	No.	Parts
14 Large Base Plate ...	1	2 11 Hole Flat... ..	8
22 5 Hole Base Plate ...	2	10 Axle Bracket ... ..	4
26 1×1 Hole Flat ... ..	7	9 Bent Axle Bracket ...	4
8 1×1 Hole Angle... ..	6	25 Axle Bar Clip ... ..	11
27 1×1×1 Bent ... ..	1	20 Screws ... ..	59
12 Road Wheel... ..	4	19 Nuts ... ..	59
3 5 Hole Flat ... ..	8	6 21 Hole Angle ... ..	2
28 5 Hole Bent... ..	4	15 2½" Axle Bar ... ..	1
4 5×1 Bent Flat ... ..	4	17 4½" Axle Bar ... ..	2
5 1×5×1 Bent Bracket...	6	18 5½" Axle Bar ... ..	3
29 Flat Pulley ... ..	2	21 Handle ... ..	1
13 Pulley Wheel ... ..	2	33 Pinion 19 Tooth ...	1
11 Crank Wheel ... ..	2	34 Gear Wheel 53 Tooth...	1

## SWIVELLING GANTRY CRANE

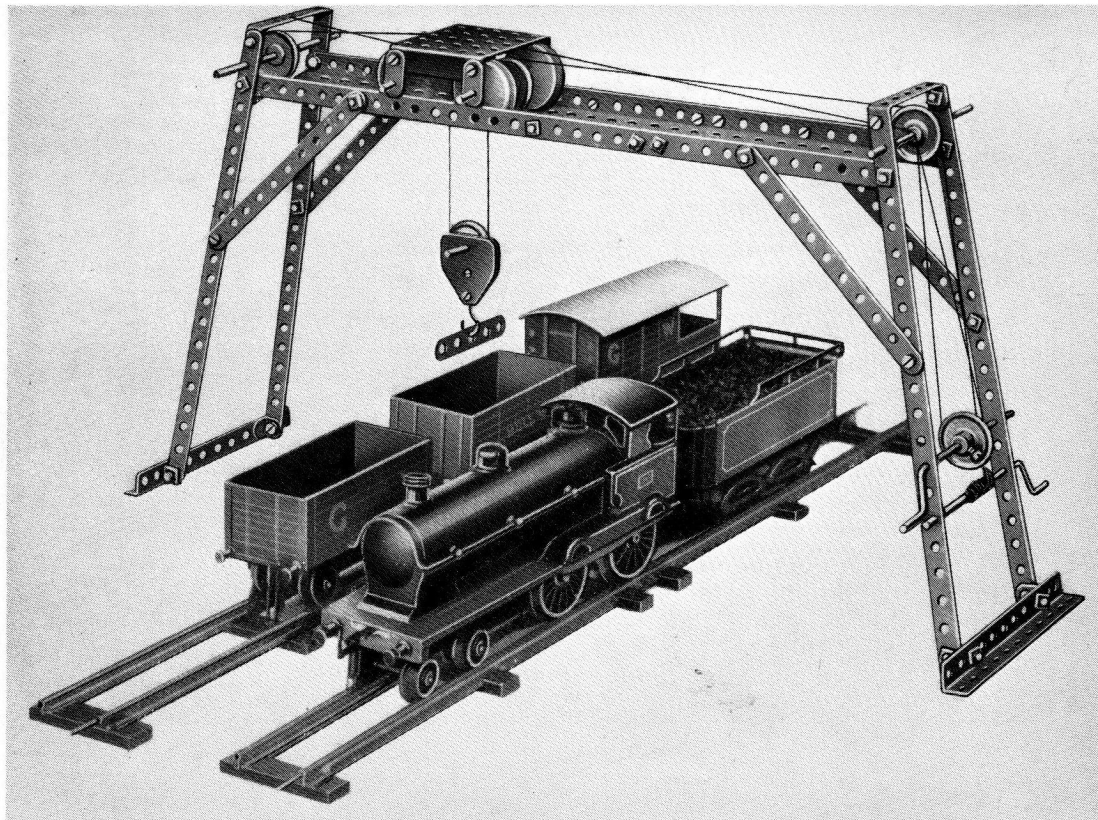
List of parts to make the  
model illustrated

No.	Parts
14	Large Base Plate ... .. 1
22	5 Hole Base Plate... .. 2
8	1×1 Hole Angle... .. 2
27	1×1×1 Bent ... .. 4
12	Road Wheel... .. 4
3	5 Hole Flat ... .. 8
4	5×1 Bent Flat ... .. 3
5	1×5×1 Bent Bracket... 6
29	Flat Pulley ... .. 2
13	Pulley Wheel ... .. 4
30	3" Large Pulley ... .. 2
11	Crank Wheel ... .. 2
2	11 Hole Flat ... .. 6
10	Axle Bracket ... .. 4
9	Bent Axle Bracket ... 4
23	Hook ... .. 1
25	Axle Bar Clip ... .. 12
20	Screws ... .. 57
19	Nuts ... .. 57
1	21 Hole Flat... .. 2
6	21 Hole Angle ... .. 4
15	2½" Axle Bar ... .. 1
16	3½" Axle Bar ... .. 1
17	4½" Axle Bar ... .. 2
18	5½" Axle Bar ... .. 2
21	Handle ... .. 2
33	Pinion 19 Tooth ... .. 1
34	Gear Wheel 53 Tooth... 1

CONSTRUCTED FROM **BEAVER No. 4 SET**



# CONSTRUCTED FROM **BEAVER No. 4 SET**



## OVERHEAD GANTRY CRANE

List of parts to make the  
model illustrated

No.	Parts	
22	5 Hole Base Plate	... 1
26	1×1 Hole Flat	... 4
8	1×1 Hole Angle	... 4
12	Road Wheel	... 4
3	5 Hole Flat	... 1
5	1×5×1 Bent Bracket	... 2
29	Flat Pulley	... 2
13	Pulley Wheel	... 4
2	11 Hole Flat	... 6
7	11 Hole Angle	... 4
10	Axle Bracket	... 2
23	Hook	... 1
25	Axle Bar Clip	... 9
20	Screws	... 37
19	Nuts	... 37
1	21 Hole Flat	... 4
6	21 Hole Angle	... 2
15	2½" Axle Bar	... 1
17	4½" Axle Bar	... 2
18	5½" Axle Bar	... 2
21	Handle	... 2

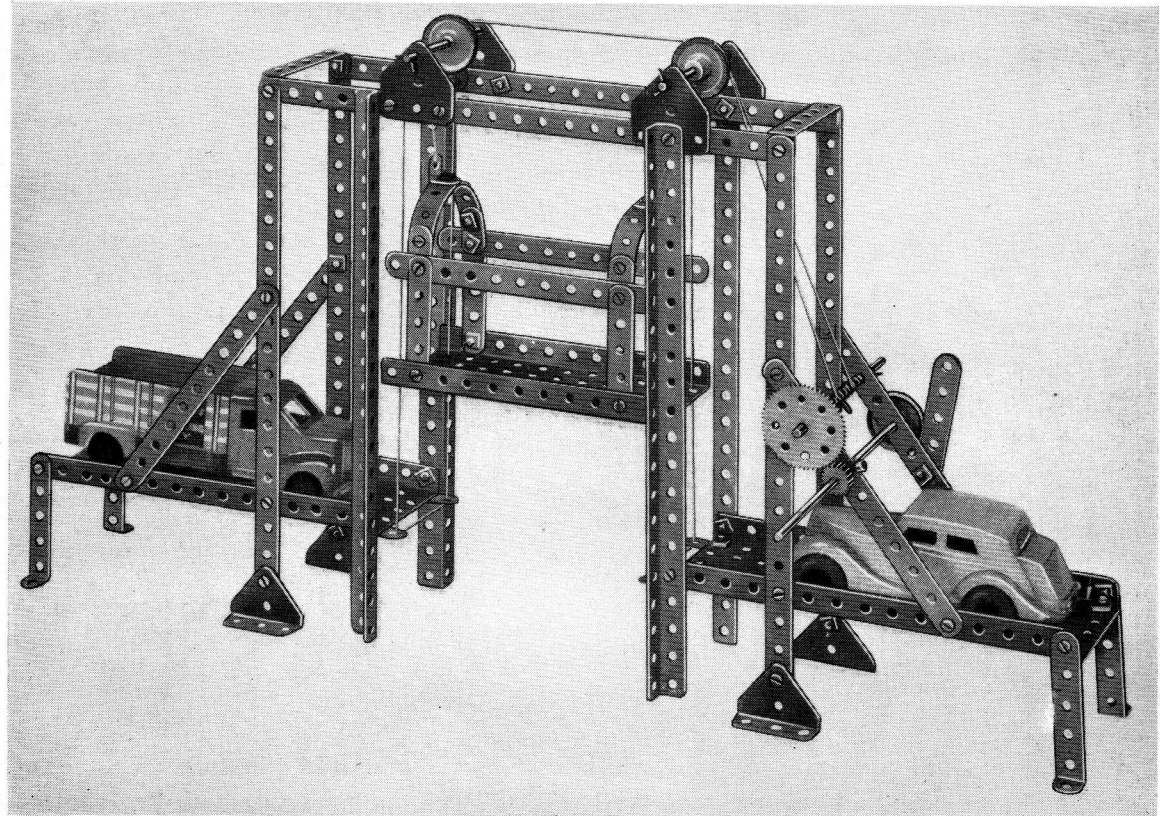


# CONSTRUCTED FROM **BEAVER No. 4** SET

## LIFTING BRIDGE

List of parts to make the  
model illustrated

No.	Parts
14 Large Base Plate ... ..	1
22 5 Hole Base Plate ... ..	2
26 1×1 Hole Flat ... ..	8
8 1×1 Hole Angle ... ..	2
3 5 Hole Flat ... ..	7
28 5 Hole Bent ... ..	4
4 5×1 Bent Flat ... ..	4
5 1×5×1 Bent Bracket... ..	4
13 Pulley Wheel ... ..	3
2 11 Hole Flat ... ..	6
10 Axle Bracket ... ..	4
9 Bent Axle Bracket ... ..	4
25 Axle Bar Clip ... ..	6
20 Screws ... ..	61
19 Nuts ... ..	62
1 21 Hole Flat ... ..	6
6 21 Hole Angle ... ..	4
17 4½" Axle Bar ... ..	2
18 5½" Axle Bar ... ..	1
21 Handle ... ..	1
33 Pinion 19 Tooth ... ..	1
34 Gear Wheel 53 Tooth... ..	1



LIST OF PARTS WITH  
NUMBERS

# BEAVER

## STEEL CONSTRUCTION SET

KEY	
No. 1	21 HOLE FLAT
" 2	11 " "
" 3	5 " "
" 4	5x1 BENT FLAT.
" 5	1x5x1 BENT BRACKET.
" 6	21 HOLE ANGLE.
" 7	11 " "
" 8	1x1 HOLE ANGLE.
" 9	BENT AXLE BRACKET.
" 10	AXLE BRACKET
" 11	CRANK WHEEL.
" 12	ROAD WHEEL.
" 13	PULLEY WHEEL.
" 14	LARGE BASE PLATE.
" 15	2½" AXLE BAR.
" 16	3½" " "
" 17	4½" " "
" 18	5½" " "
" 19	NUTS.
" 20	SCREWS.
" 21	HANDLE.
" 22	5 HOLE BASE PLATE.
" 23	HOOK.
" 24	SPAN DRIVER.
" 25	AXLE BAR CLIP.
" 26	1x1 HOLE FLAT.
" 27	1x1x1 BENT.
" 28	5 HOLE BENT.
" 29	FLAT PULLEY.
" 30	3" LARGE PULLEY.
" 31	SCREWDRIVER.
" 32	COUPLING COLLAR.
" 33	PINION 19 TOOTH.
" 34	GEAR WHEEL 53 TOOTH.

