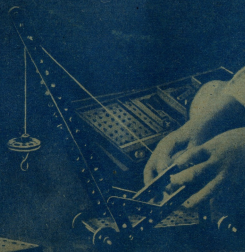


MECCANO

INSTRUCTIONS
FOR THE N° 0 OUTFIT
PRICE 15 CENTS



N° 160

“Two Minds with but a Single Thought”

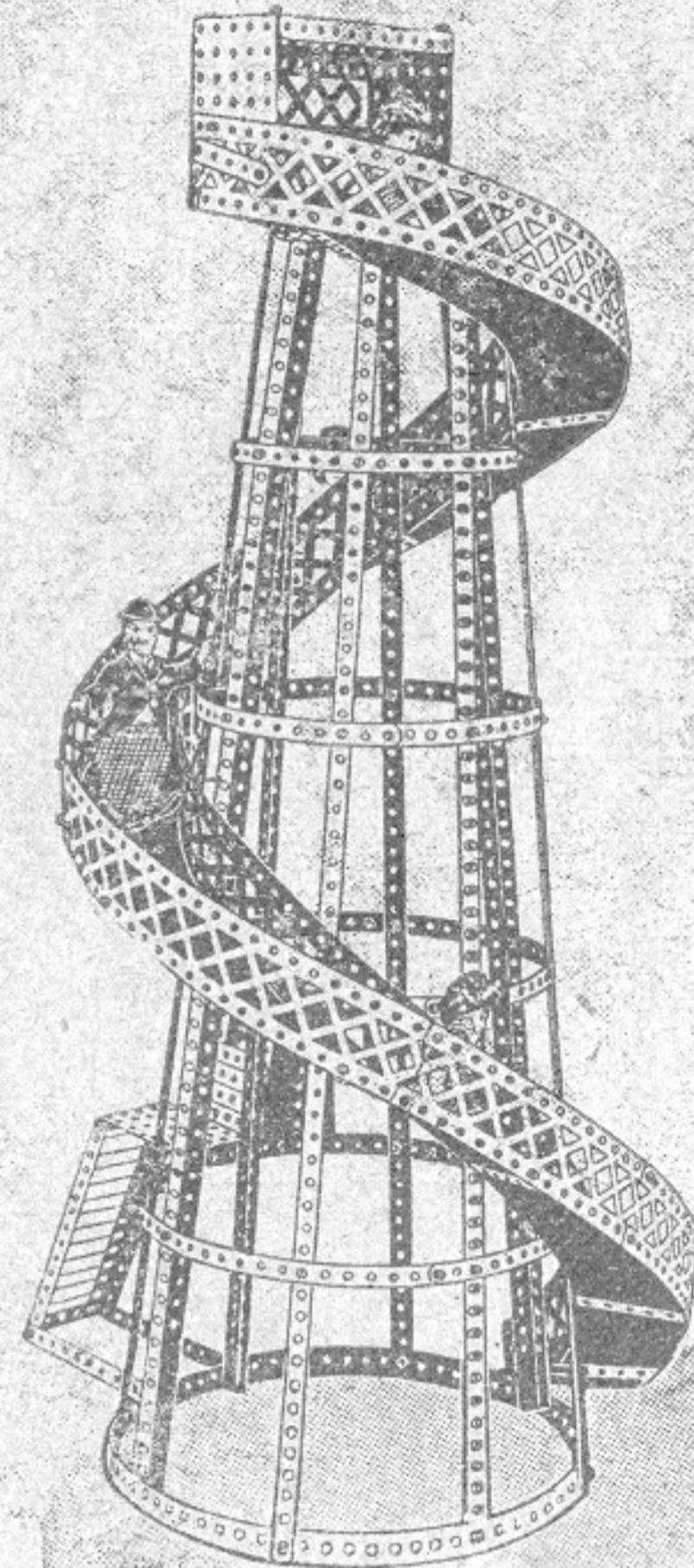
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BY MECCANO LTD.

MECCANO CO., INC. NEW YORK

A TALK WITH NEW MECCANO BOYS

Boys! This book is only the beginning of Meccano. You will get lots of fun building the models which it contains, but best of all it will show you what a fine hobby Meccano is, and how easy and delightful it is to build models with it.

Wouldn't you like to build all the splendid Meccano models which you have seen on exhibition in the toy-stores, and in our advertisements, and in the books and leaflets which we publish? Nothing could be easier; all the Meccano parts fit in with those you have in your No. 0 Outfit. This is the advantage of the standardization of the whole Meccano system. Once you have got the idea of the equidistant holes, and the interchangeable parts, you can do anything with them. Take, for instance, one of the models which looks most complicated—the Meccano loom. It is just as easy for you to build it as it is for an engineer or a skilled mechanic.



Who shall play with the Helter-Skelter first?



That is what the Meccano system does—the **genius and skill and knowledge are in the parts**, and all you have to do is to screw them together. And when you have made a model such as the loom, you can do something with it. You can weave neckwear and belts in all colors and designs, just as good as the best you can buy in the stores. Our big Manual of Instructions shows you how to make this model, and it also shows you how to make the Helter-Skelter, and the big Cranes

and Bridges, and all the prize models which have been sent in by expert Meccano boys, and which took big money prizes.

Remember, boys, that with a Meccano Outfit you can make anything and everything which you can make with any other system, and that no other system can make the Meccano models.

THE NEW FULL MECCANO MANUAL OF INSTRUCTIONS CONTAINS
HUNDREDS OF PRIZE-WINNING MODELS.

GET YOUR COPY AT ONCE.

Money and Fame for Clever Boys

Every year there is a Meccano Grand Prize Competition, in which we offer big prizes in money, and new Meccano Outfits, to clever boys who are able to design new models. After you have built a few models, ideas for new ones will come to you, and we want you to send them in to us and get your share of the prize money. Be sure so ask your dealer for full particulars and entry forms. If you have any difficulty, send us a postcard and we will see that you get what you want.

Address

MECCANO CO., INC.

71 West 23rd Street, NEW YORK

When you ask for Meccano, see that you get it. Nothing else is "just as good"—nothing else will do the same.

INSIST ON THE TRADE
NAME MECCANO



Meccano is Easy

Meccano is so easy, and our instructions are so complete, that we do not believe you will have any trouble; but if there is anything you do not quite understand, or if you have any suggestions to make, do not fail to write to us.

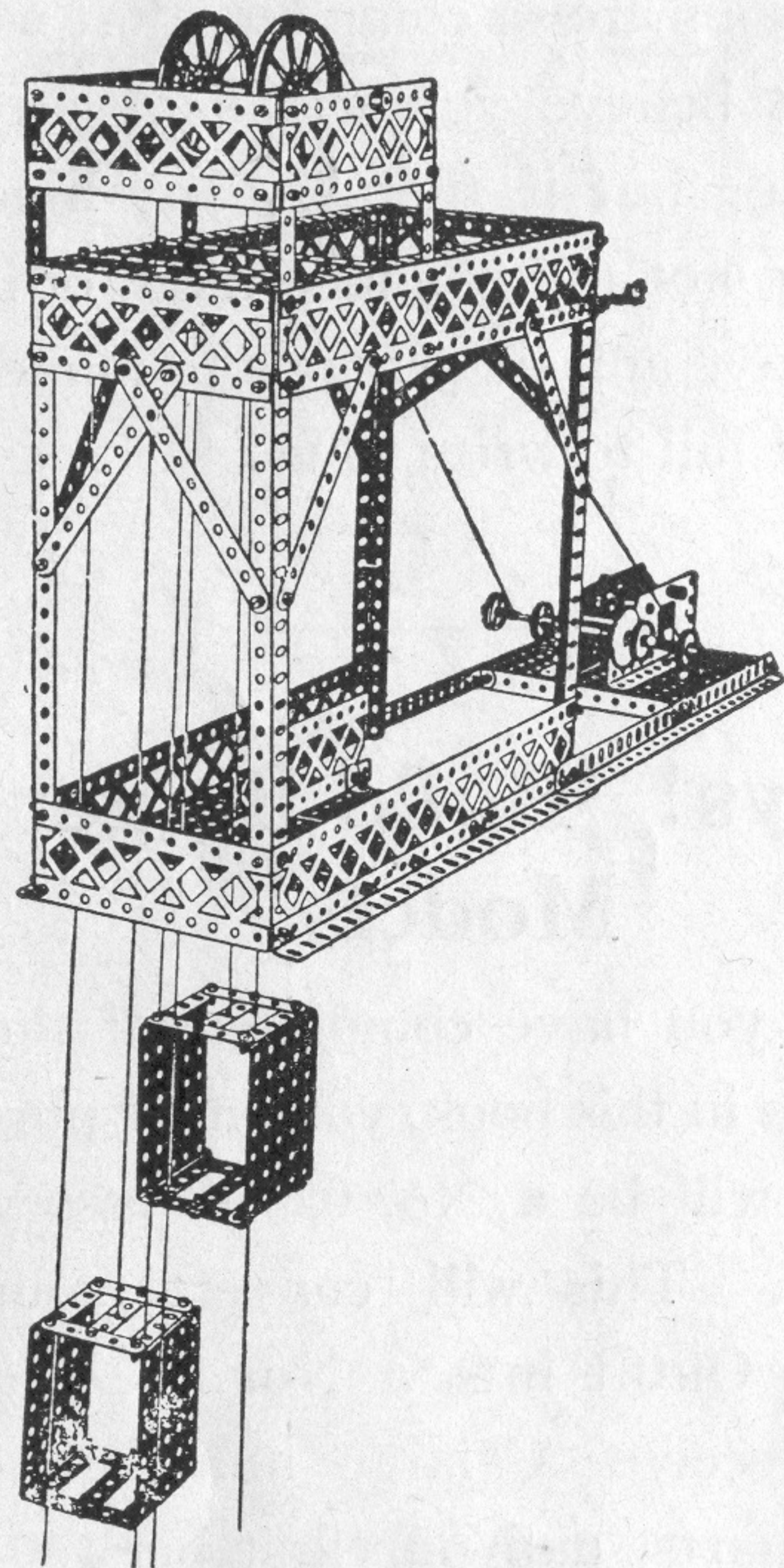
Boys! Build Bigger Models

When you have completed all the models in this book, your next purchase will be a No. 0A Accessory Outfit. This will convert your No. 0 Outfit into a No. 1. You will receive a large number of extra parts, and our first big 140-page full Manual of Instructions. You will be able to build scores of new and fascinating models, and will then realize what a wonderful hobby Meccano is.

ANOTHER MECCANO COMPETITION HAS STARTED. GET YOUR ENTRY FORMS FOR IT. **\$1,000.00** IN PRIZES

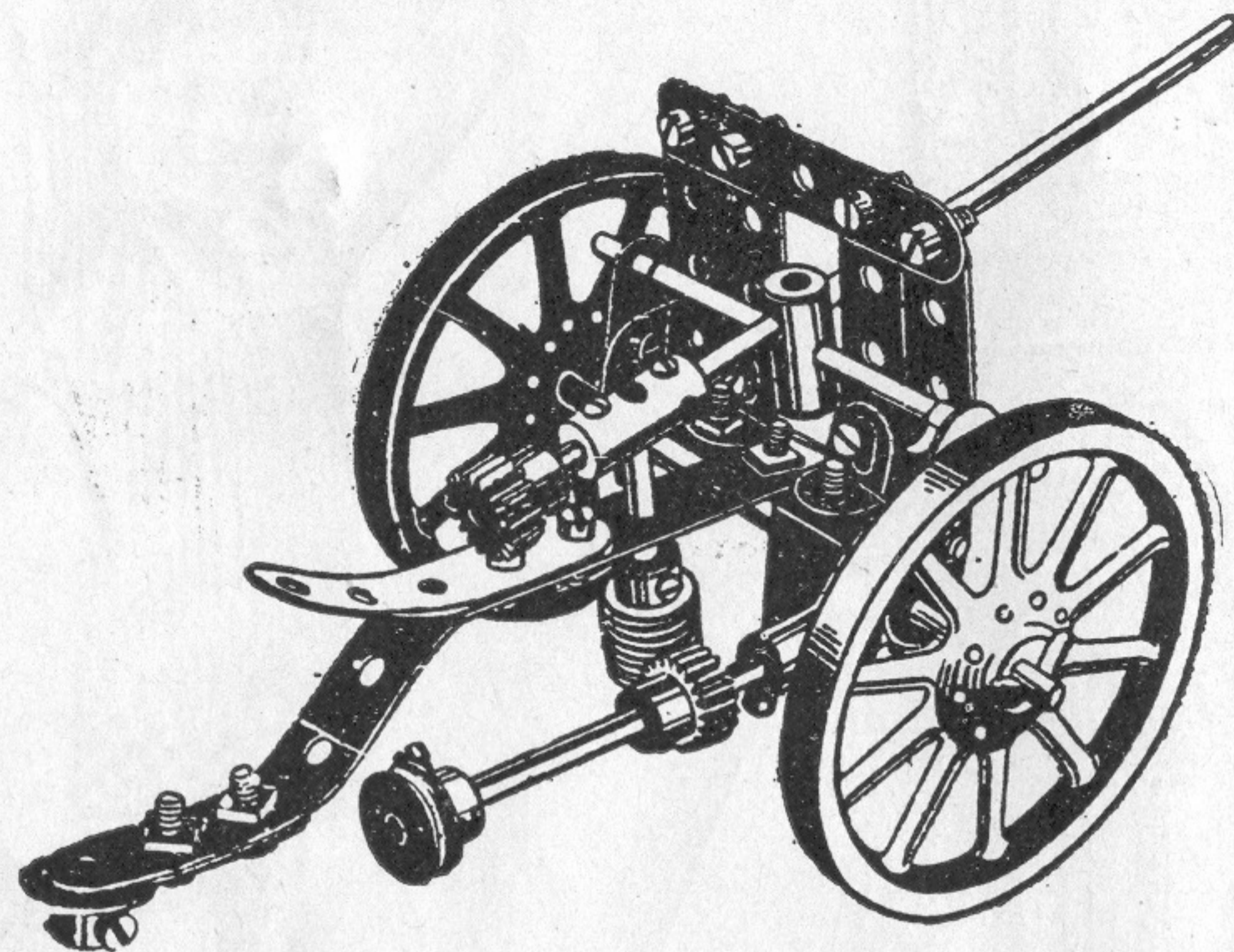
SPLENDID NEW MECCANO MODELS

These are just one or two of the fine new models which Meccano makes. The complete Meccano Manual is full of good things—hundreds of prize-winning models from all over the world. Get your copy at once. It is included in the No. 0A, and all regular Outfits from No. 1 upwards; or you can purchase it separately for 35 cents.



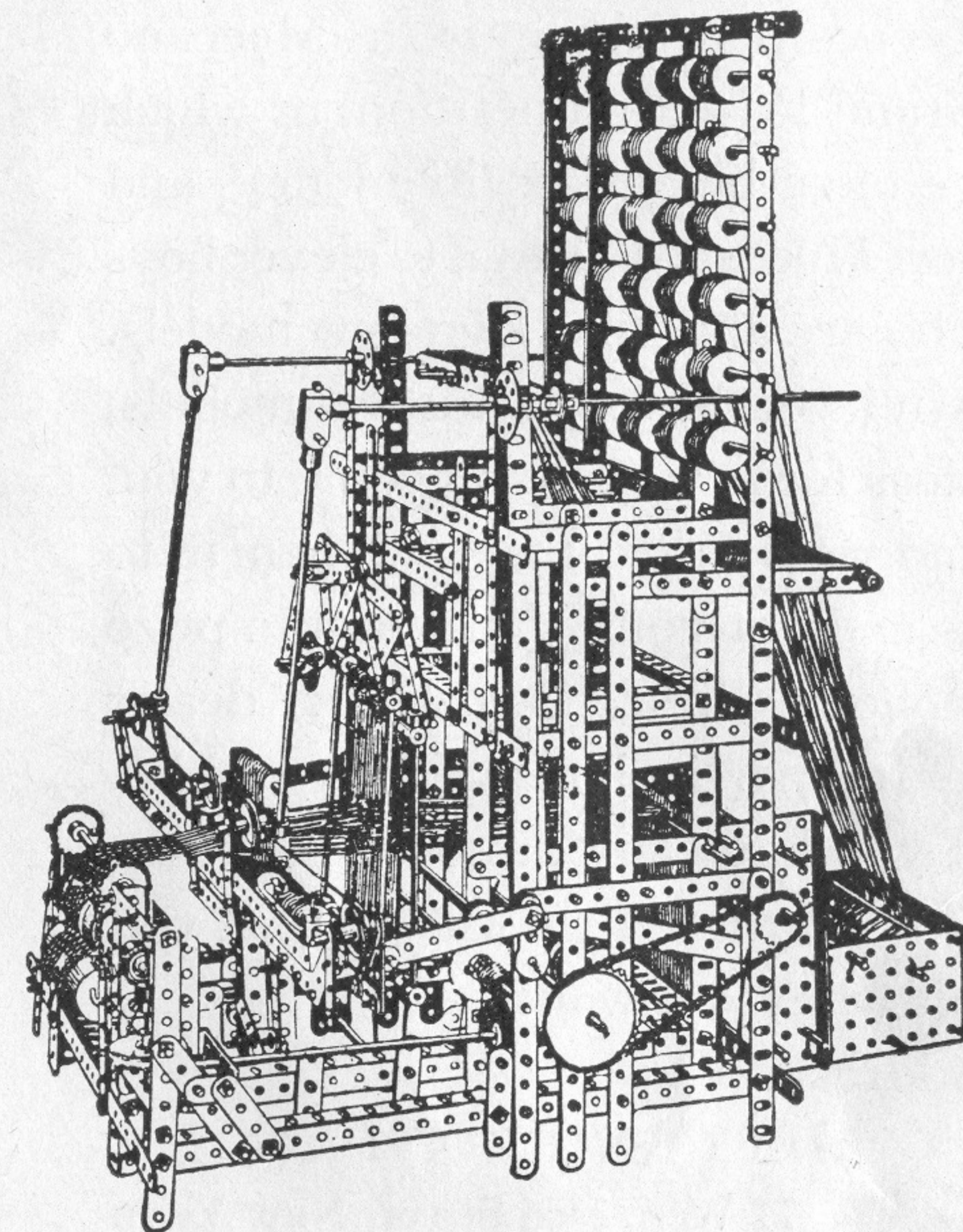
Pit Head Gear

A fine toy, giving great fun. The cages work up and down, carrying loads. Note the splendid use of the Meccano braced girder.



Meccano Field Gun

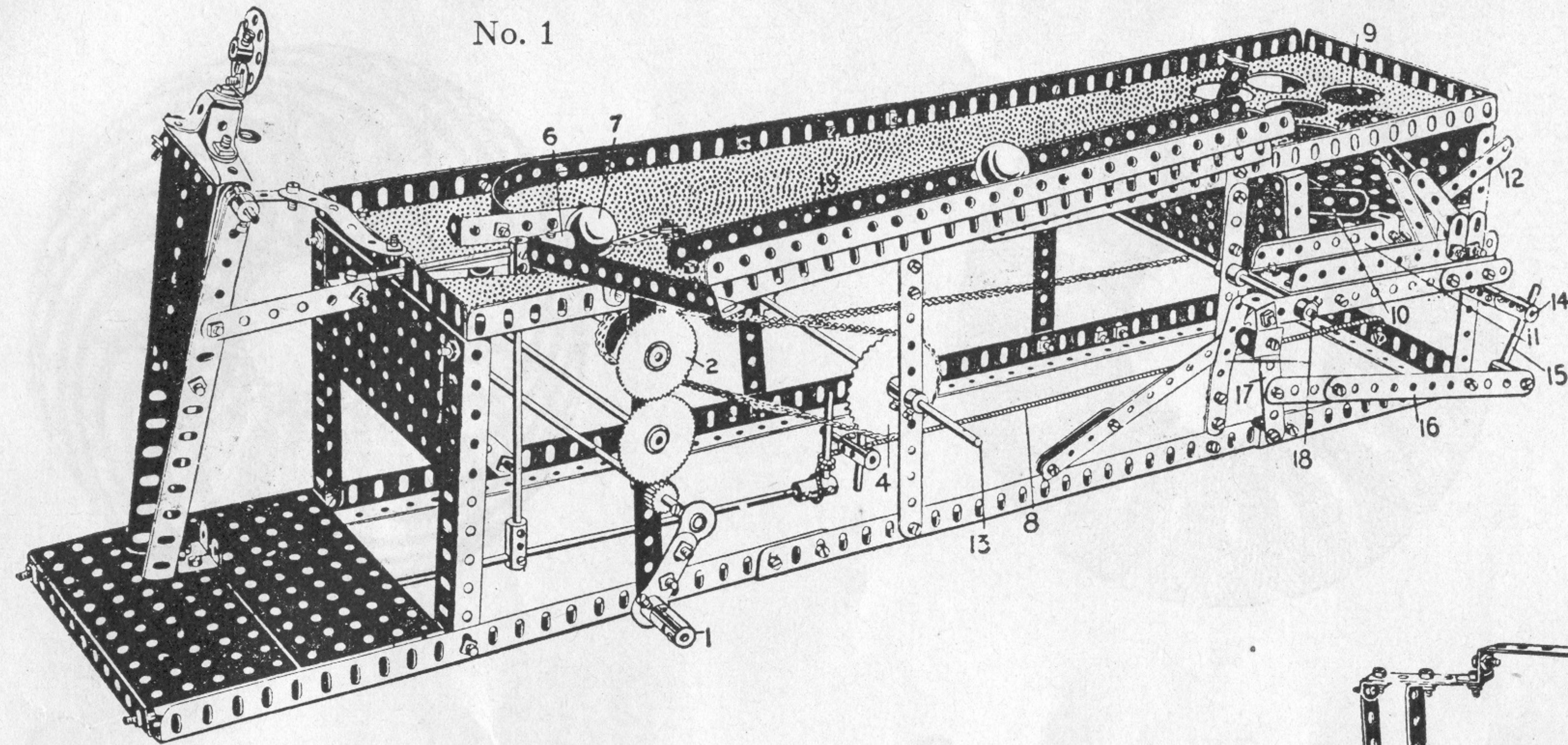
Easy to make and furnishes endless amusement.



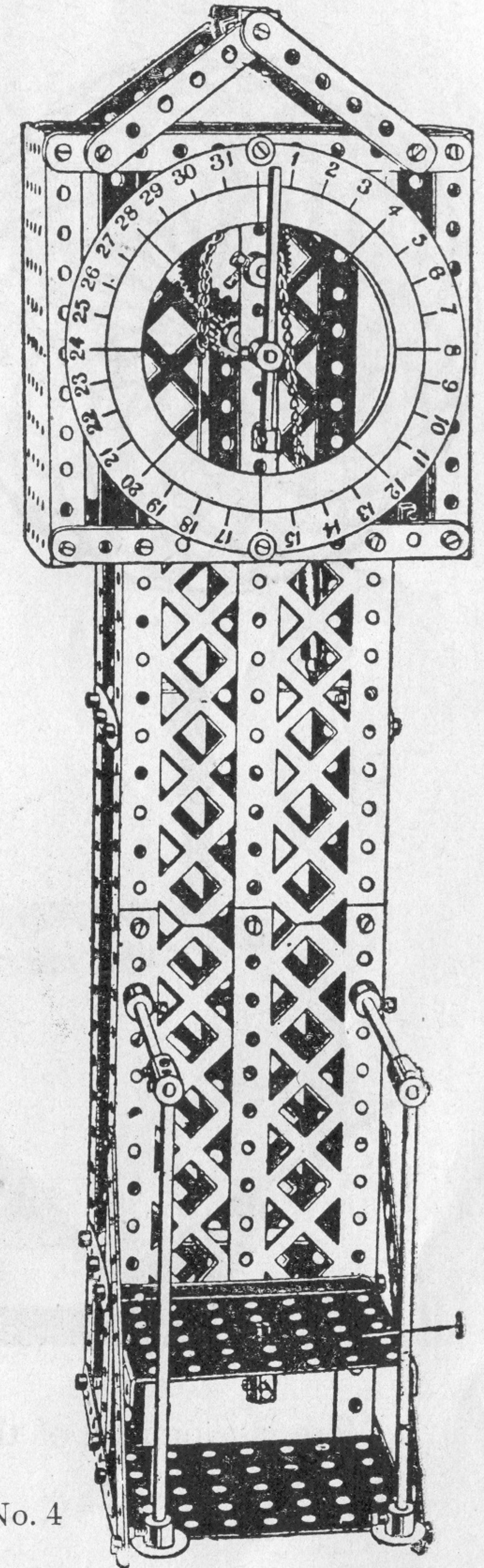
Meccano Loom

The mechanism is fully automatic, and it is only necessary to turn the handle to weave neckwear, belts, etc., in all designs and colors. This is a Meccano triumph which every Meccano boy must make. It will teach you all about weaving. Full instructions how to make it in the full Manual of Instructions.

THE MORE MECCANO YOU HAVE, THE BIGGER AND BETTER THE MODELS YOU CAN MAKE



No. 1



No. 4

These are a few models taken from our big Manual, which contains more than 300 just as good.

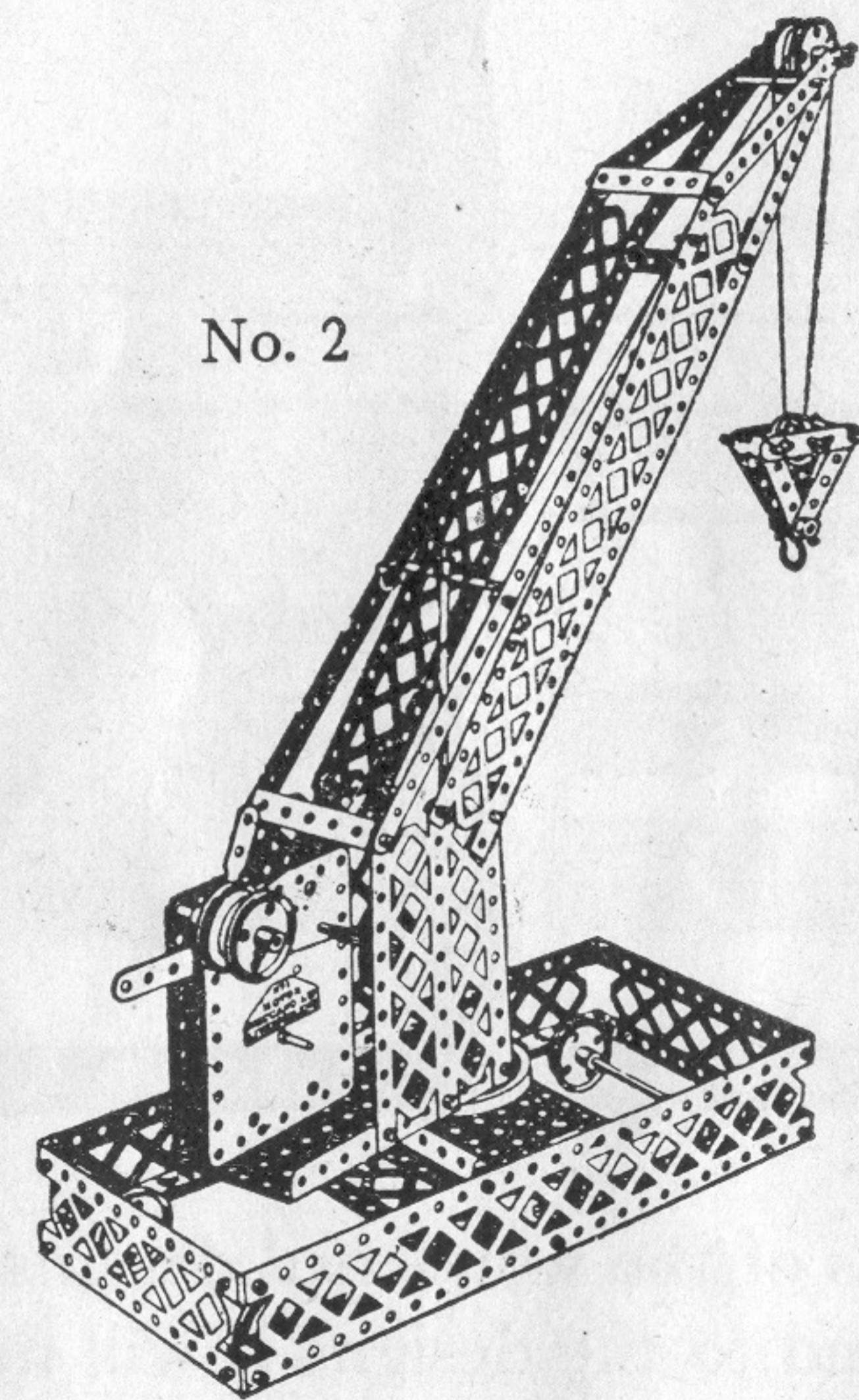
No. 1 is an Automatic Bagatelle Player. The balls are automatically played by the figure at the end of the table, and, after making the score, are returned to the player.

No. 2 is a beautifully designed Crane worked with a Meccano Clockwork Motor. It works perfectly.

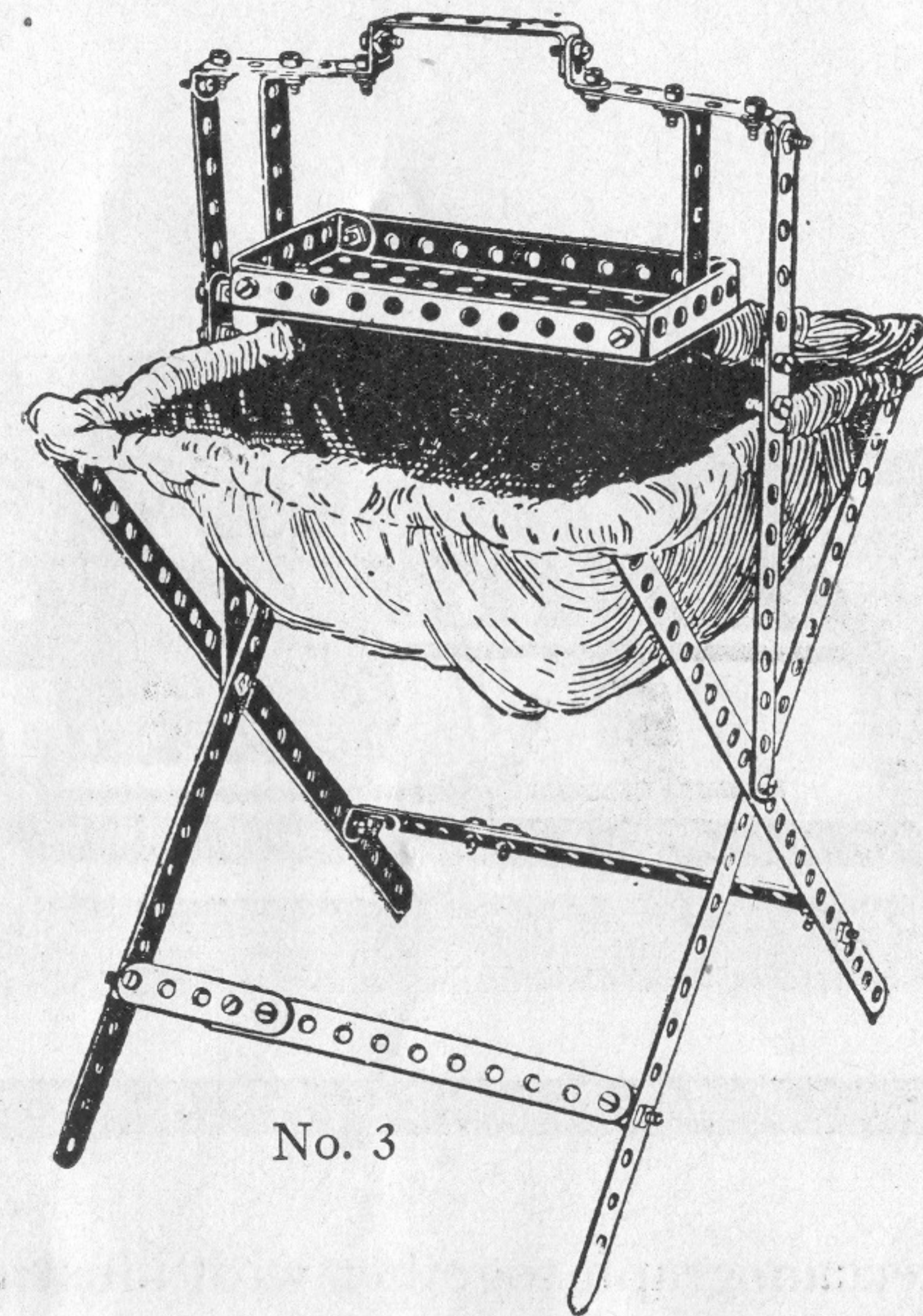
No. 3 is a Ladies' Needlework Basket, easy to make, and most useful.

No. 4 is a type of Weighing Machine which will be familiar to every boy. It works perfectly, and can be adjusted to weigh correctly.

Full instructions for building these, and hundreds of other models, will be found in the big Meccano Manual of Instructions.

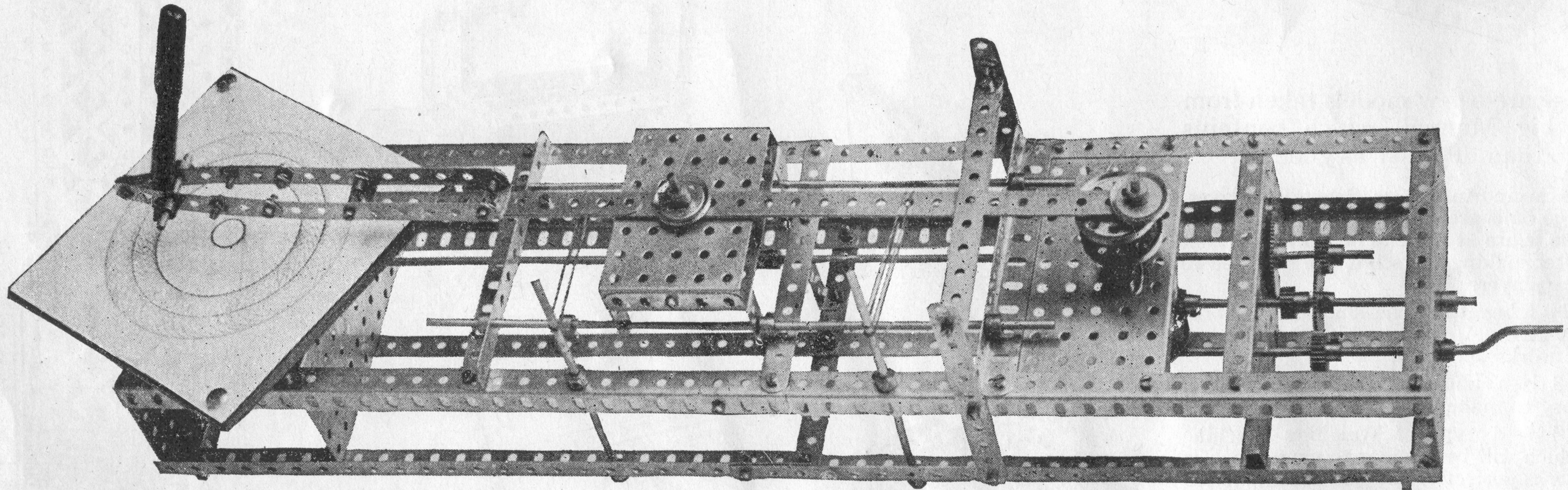
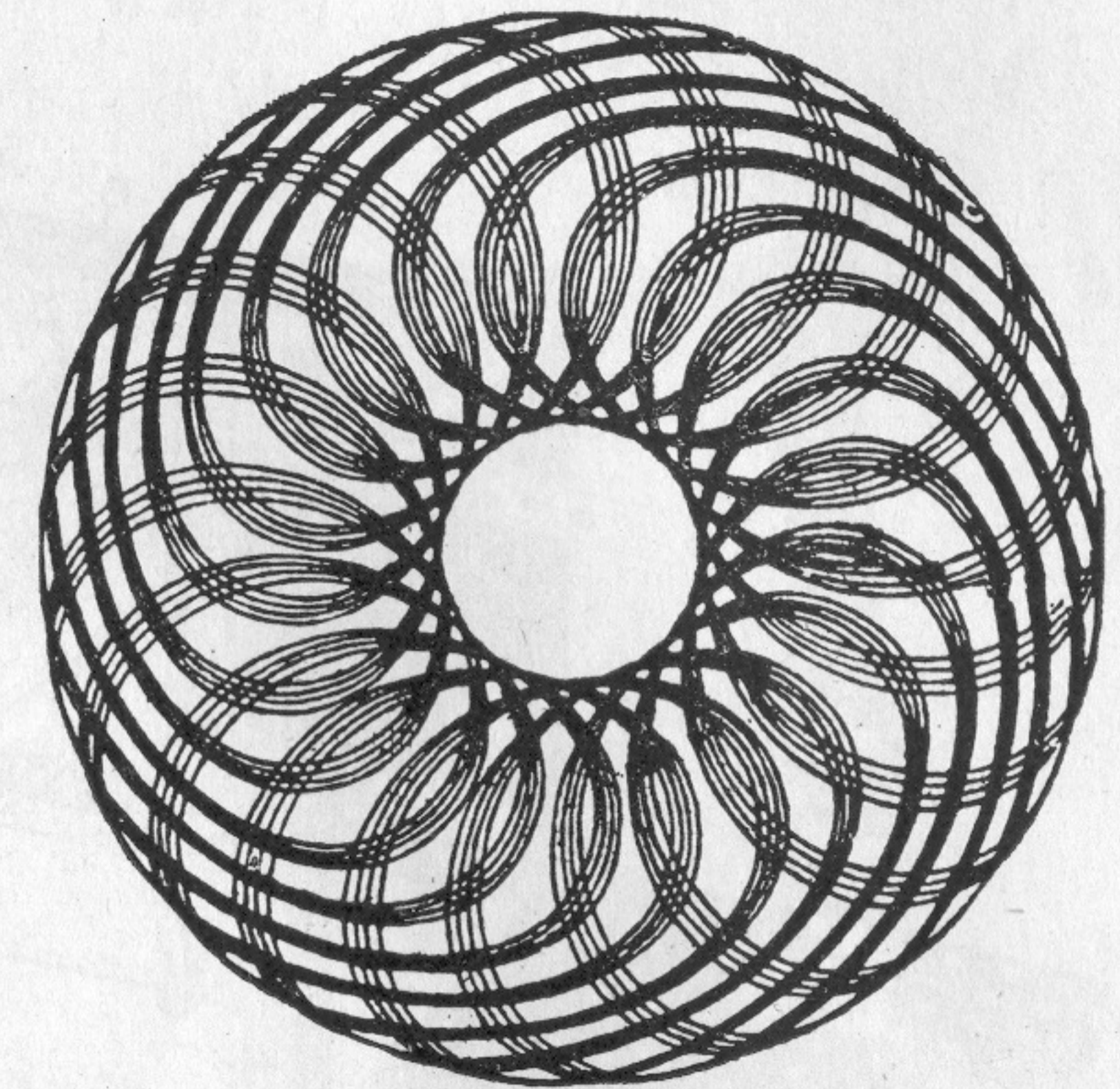
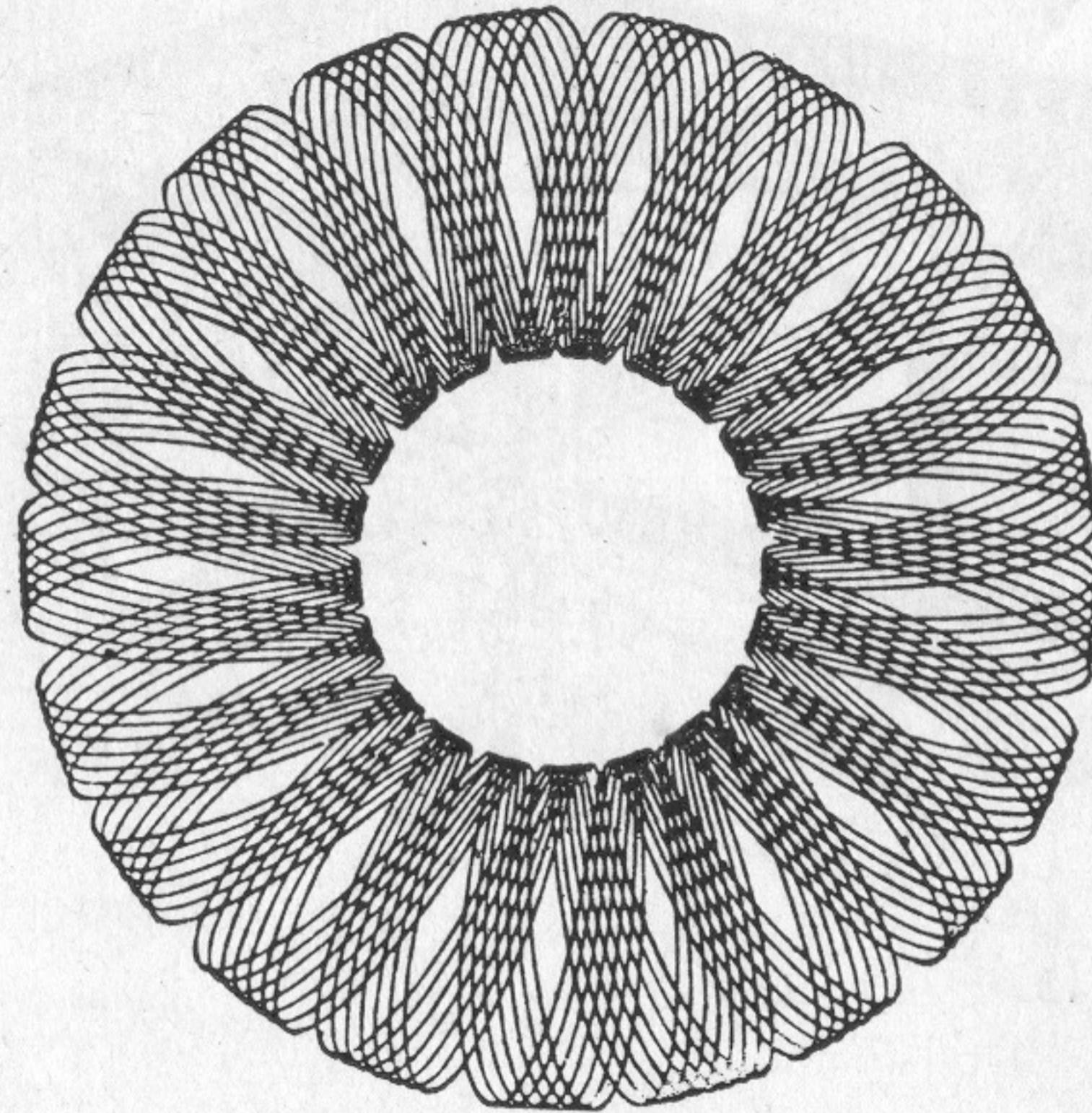
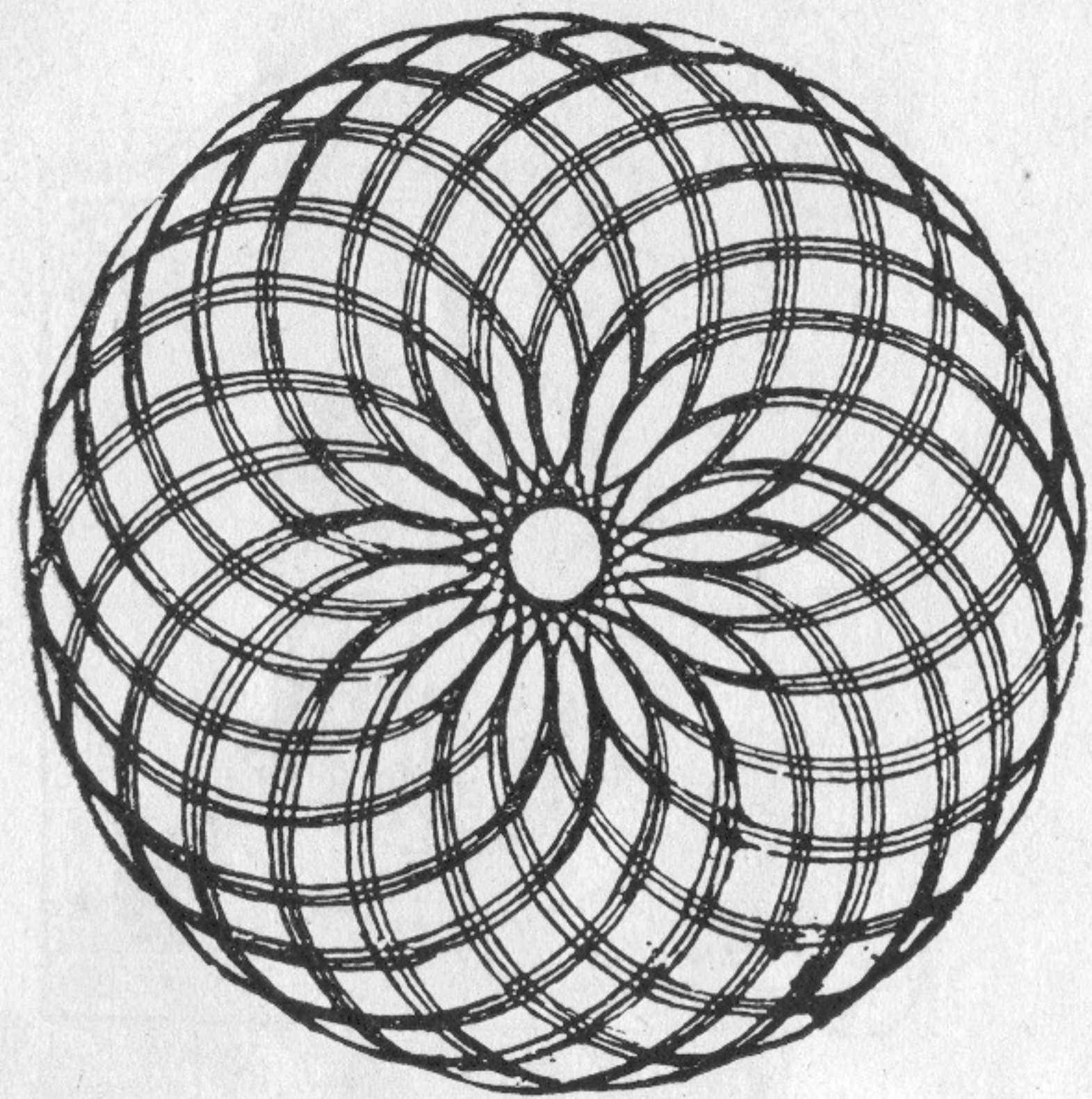


No. 2



No. 3

Meccanograph Another Fine Special Model



Here is a picture of the Meccanograph together with illustrations of the wonderful designs which the machine will draw.
Any boy can build it and there is no end to the designs it will make.

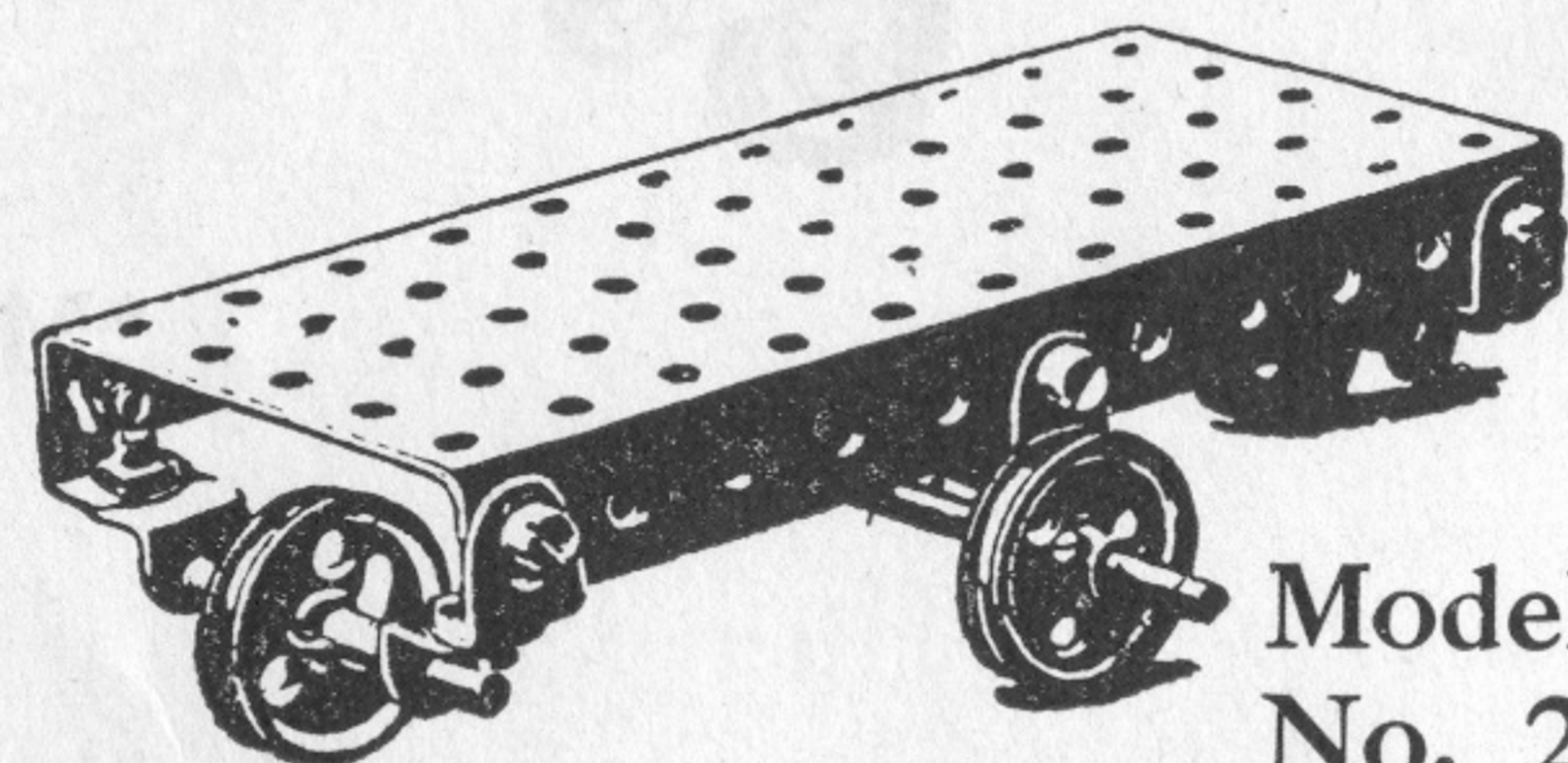
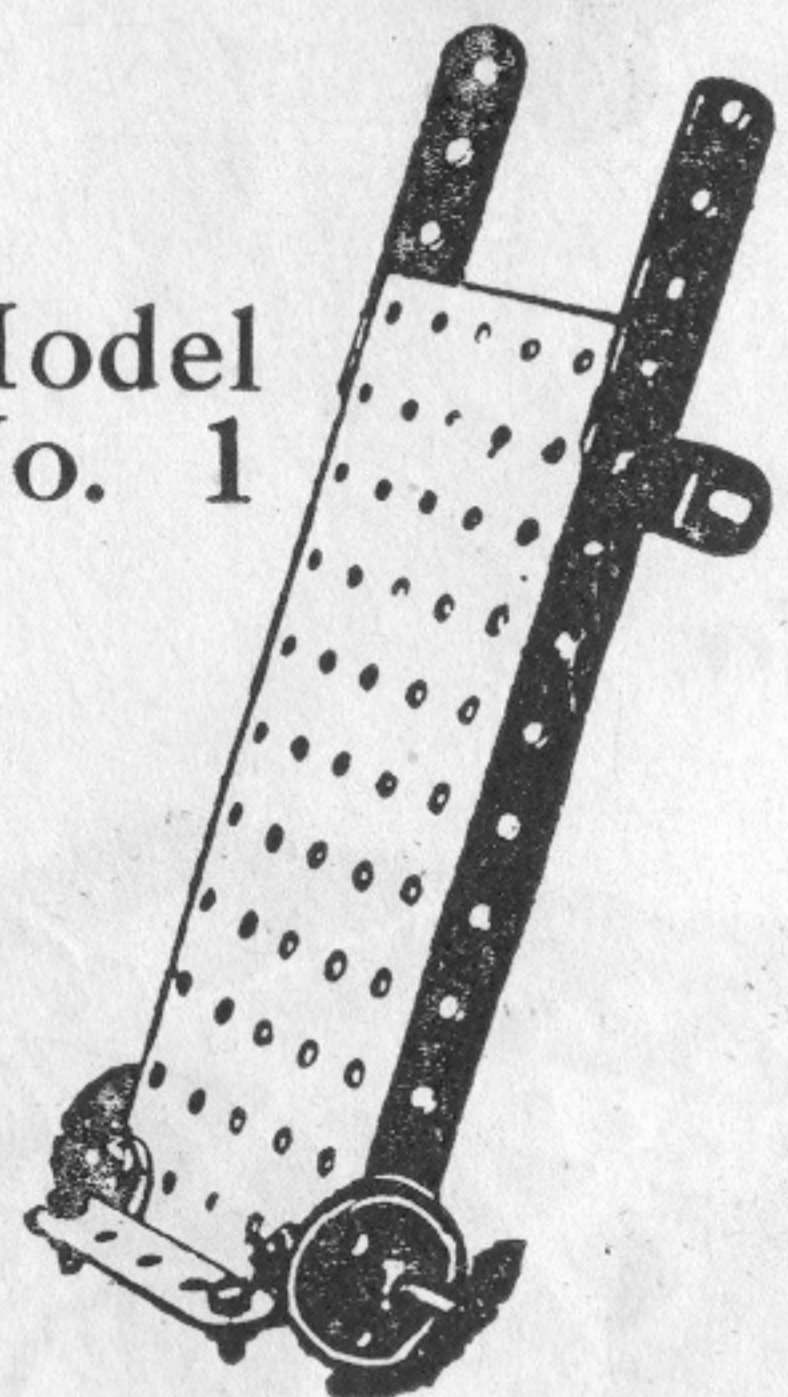
HOW TO BUILD WITH MECCANO

Follow the instructions closely at first, and build the models just as you see them. Then take each model and try to improve on our design. Every model can be made in different ways. Screw them all up tightly and you will find that you can play with the trucks and cranes and signals, &c., and do all kinds of work with them.

The large wheels shown in some of the illustrations are, of course, separate parts which you can either purchase separately or in the Inventor's Outfit, but wherever they are shown the ordinary Meccano wheels may be used instead.

Trucks and Baggage Carts

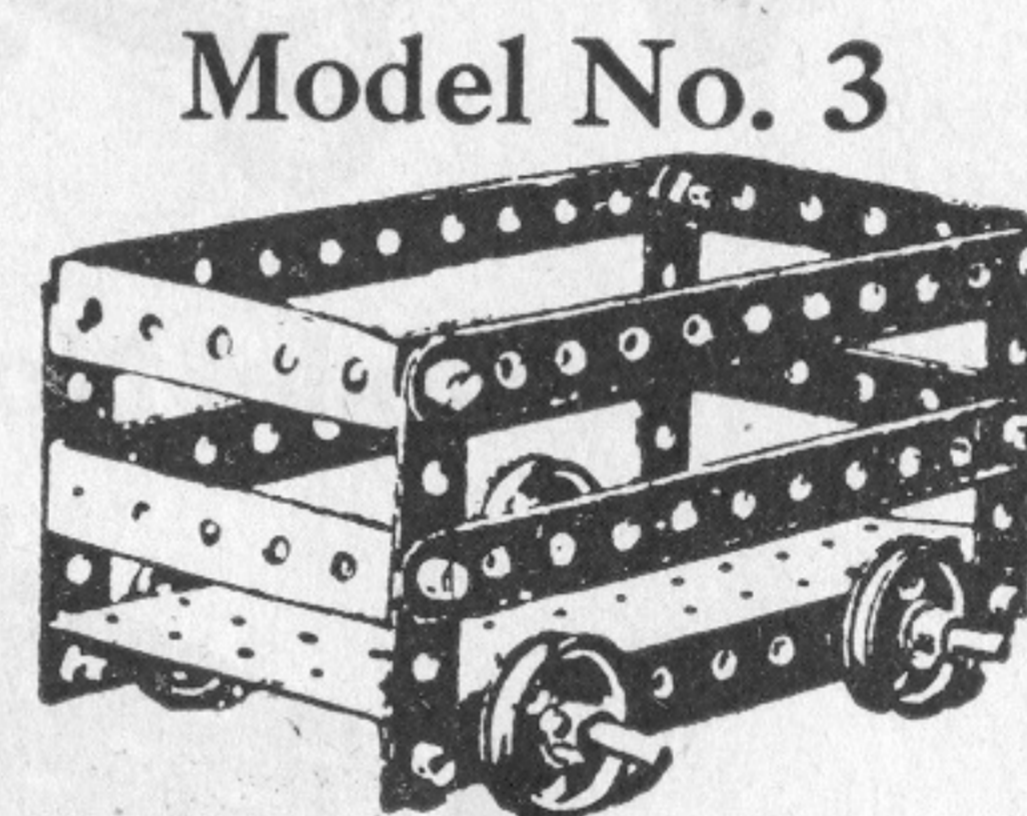
Model No. 1



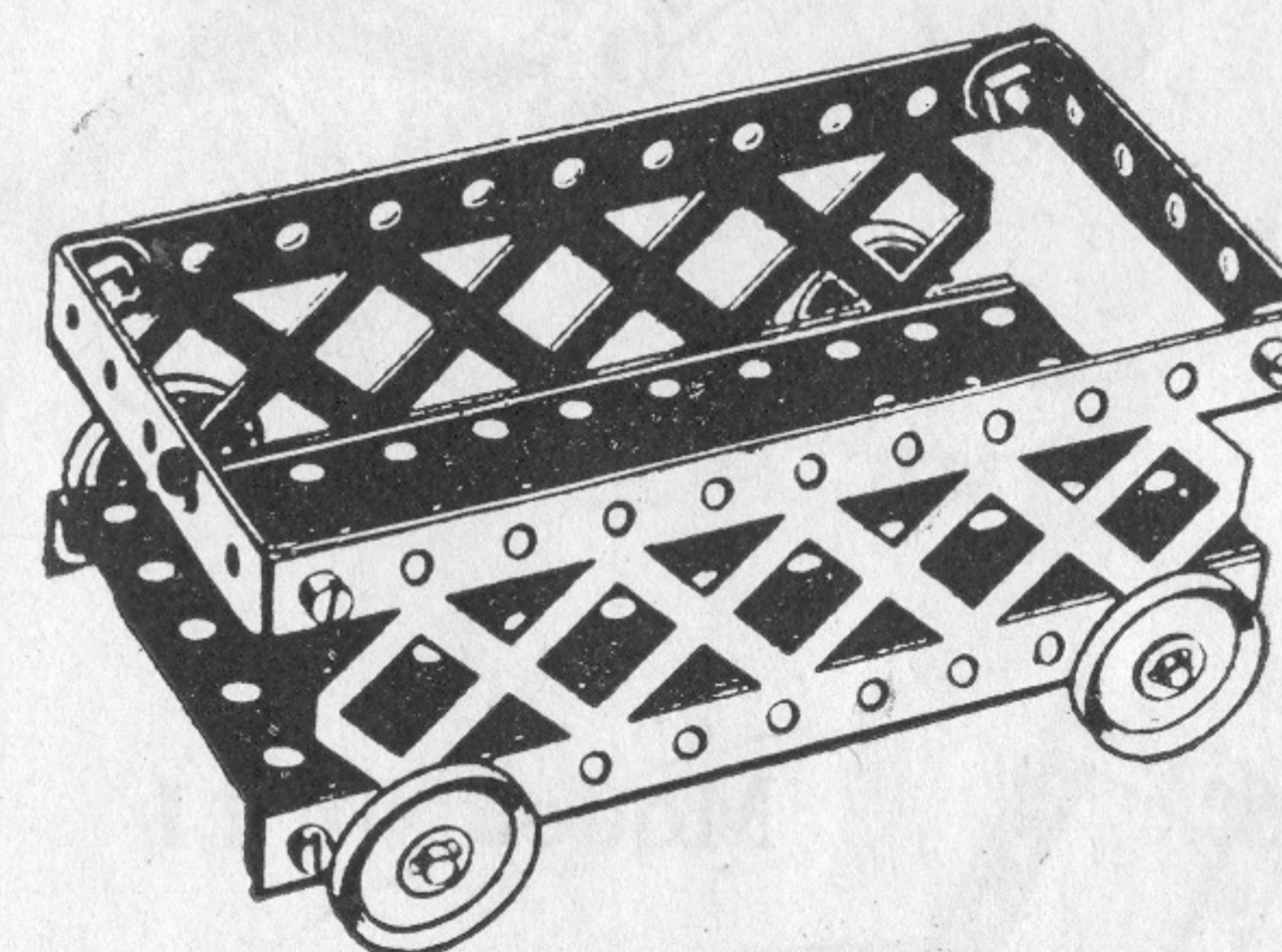
Model No. 2



Fig. 2A



Model No. 3

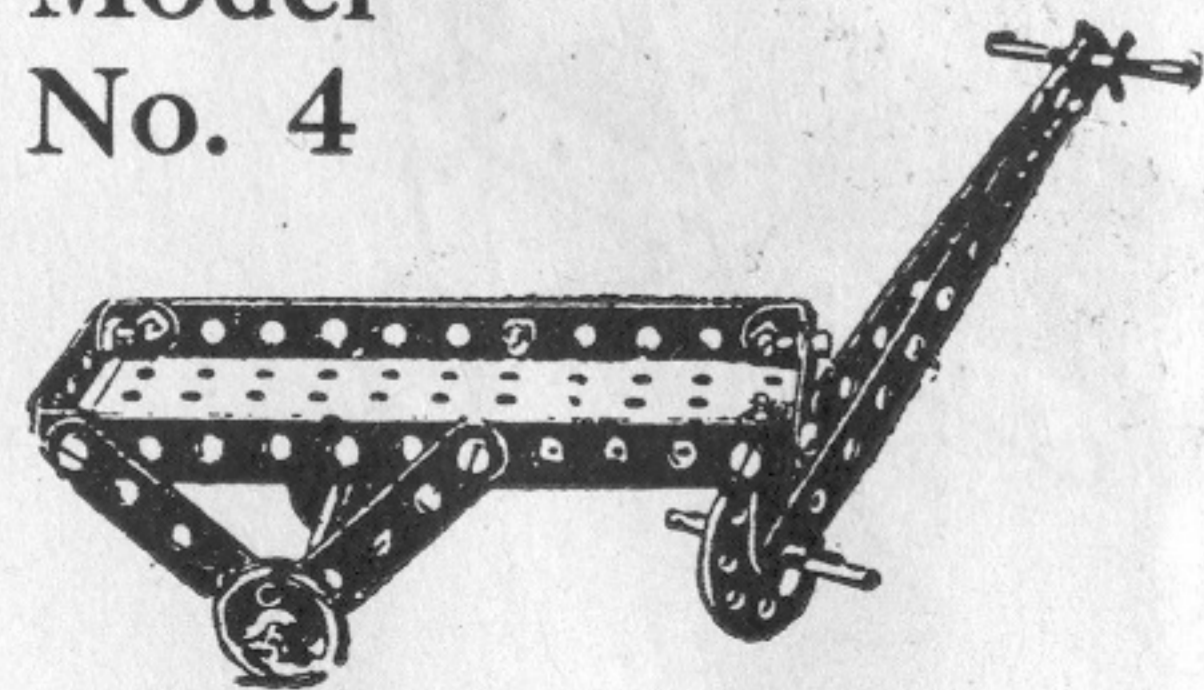


Model No. 3 with new Braced Girder

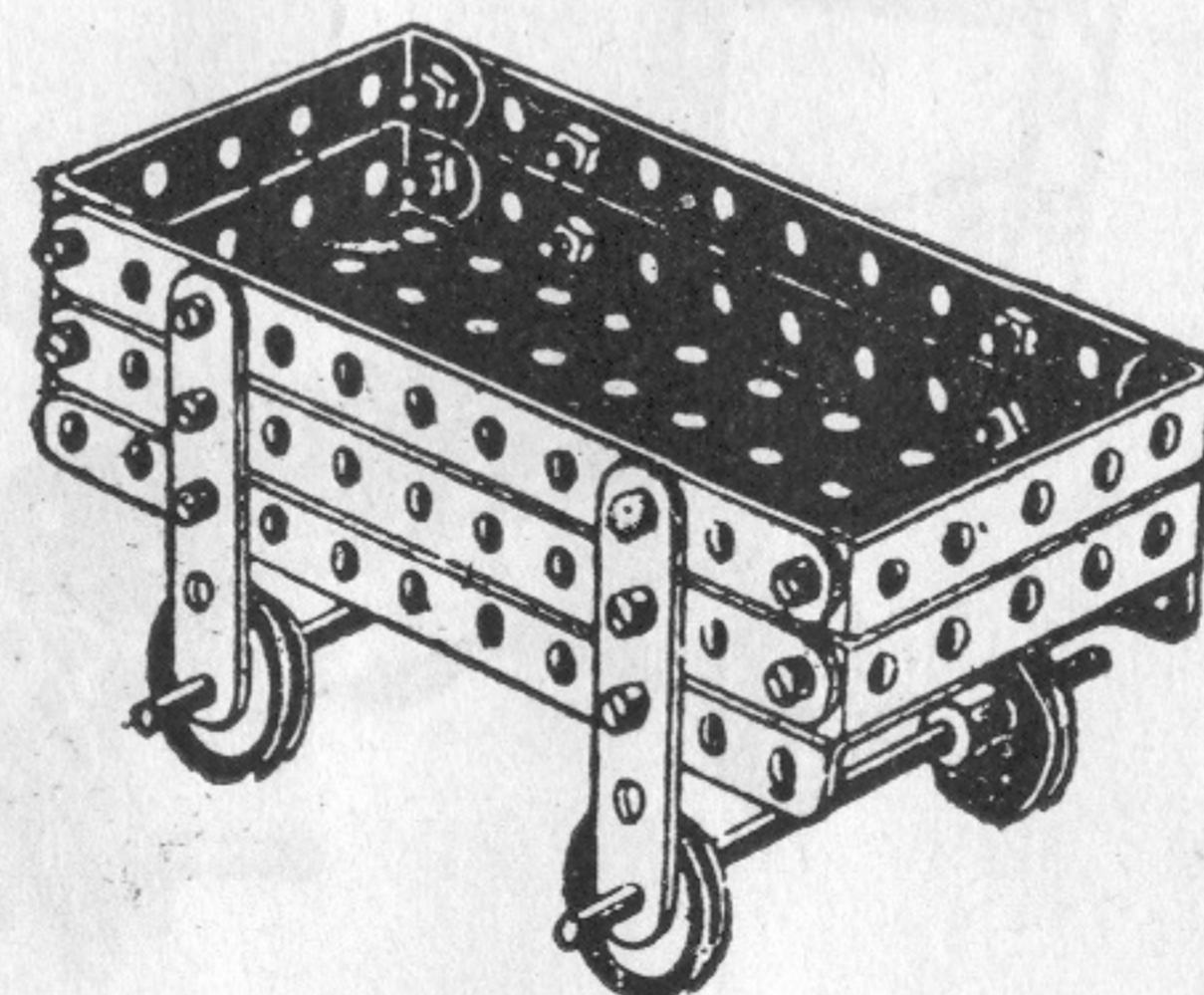
In a Revolver Truck Model No. 2 the two end wheels are always raised just a little higher than the two centre wheels with a moderate amount of play on the axles, so that the Truck may be quickly revolved upon the centre wheels.

The bearings for the end axles are formed by connecting two angle brackets together, as shown in Fig. 2A, and bolting them in each end hole at the sides of the plate.

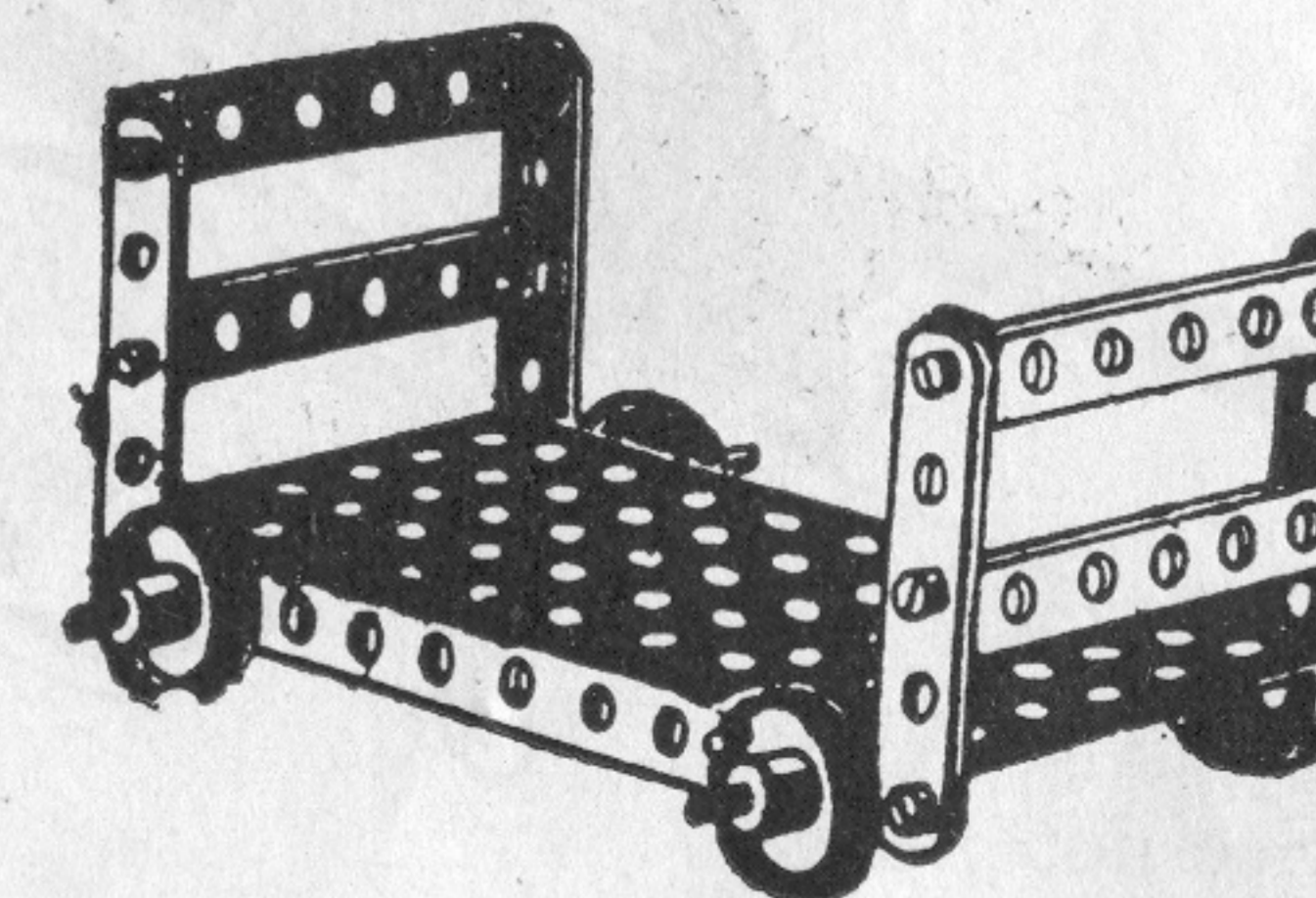
Model No. 4



Model No. 5

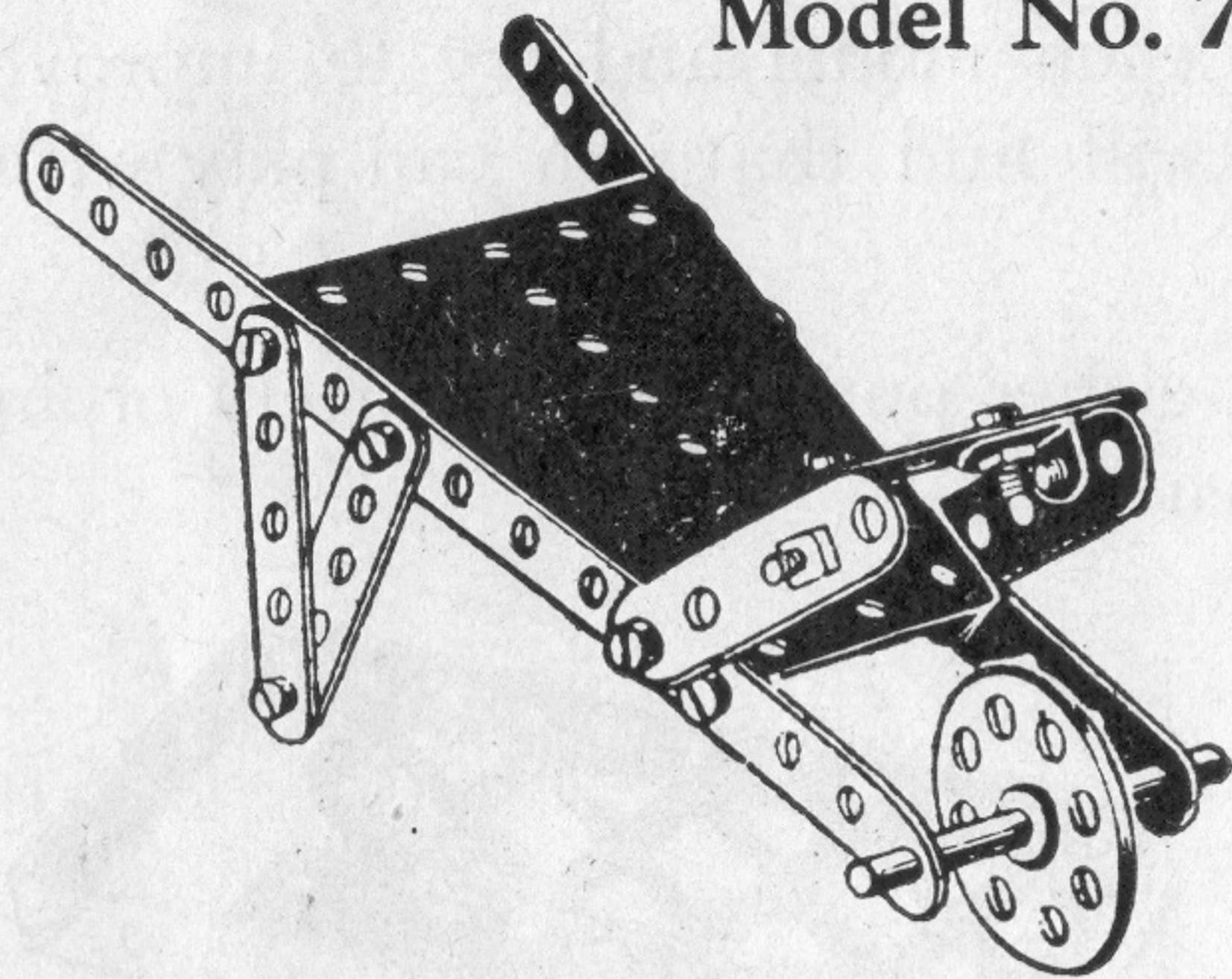


Model No. 6

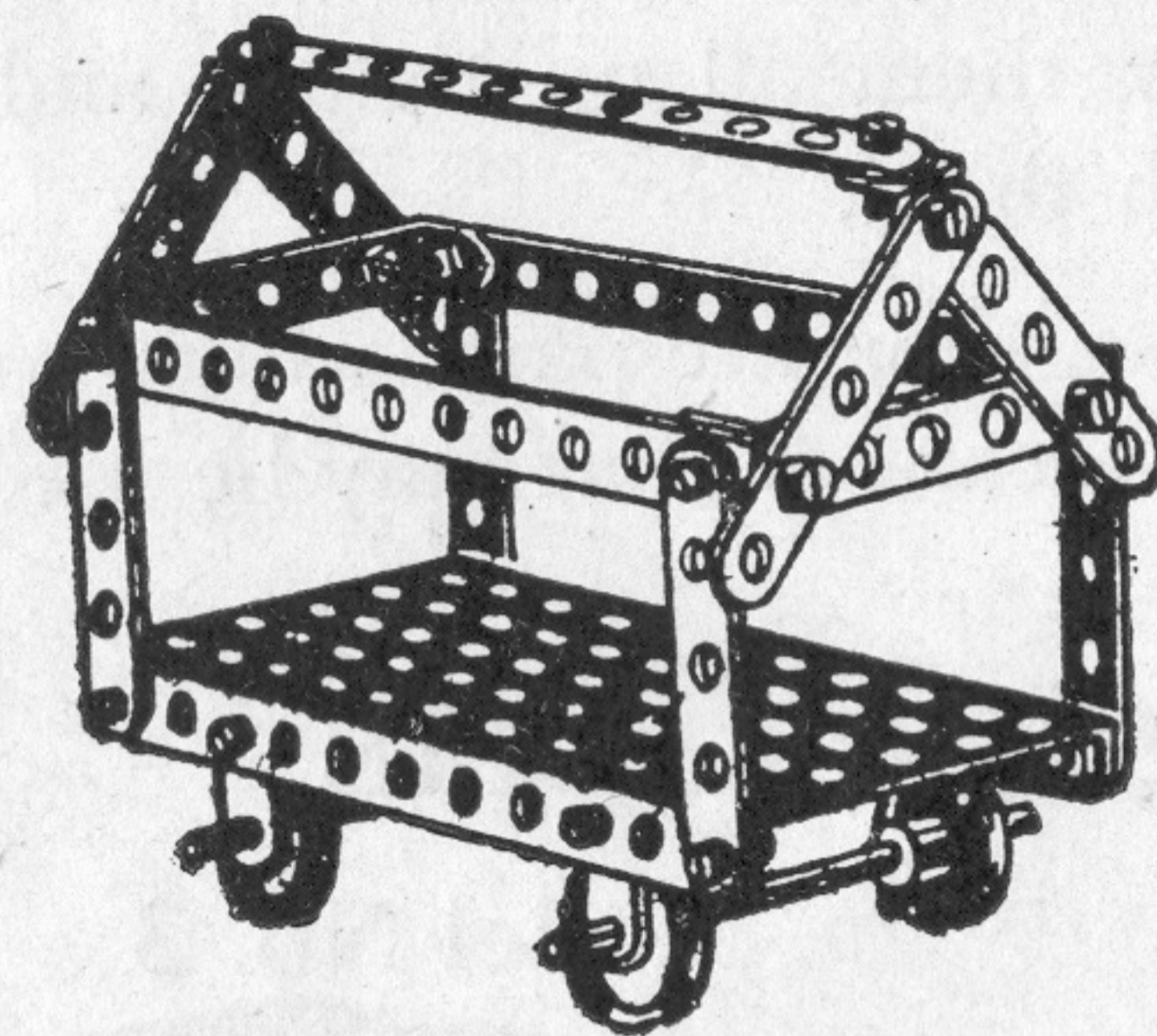


Trucks and Baggage Carts

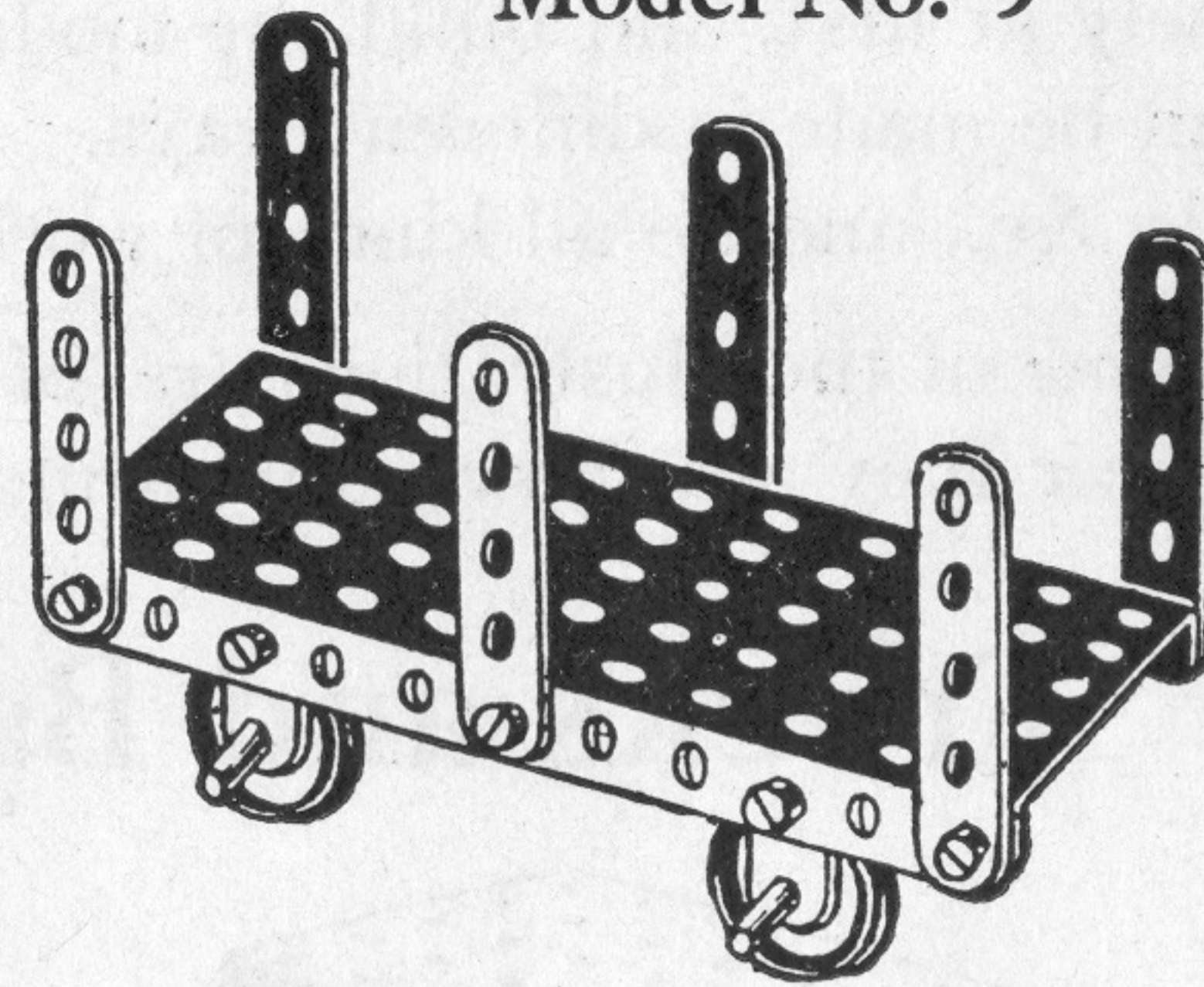
Model No. 7



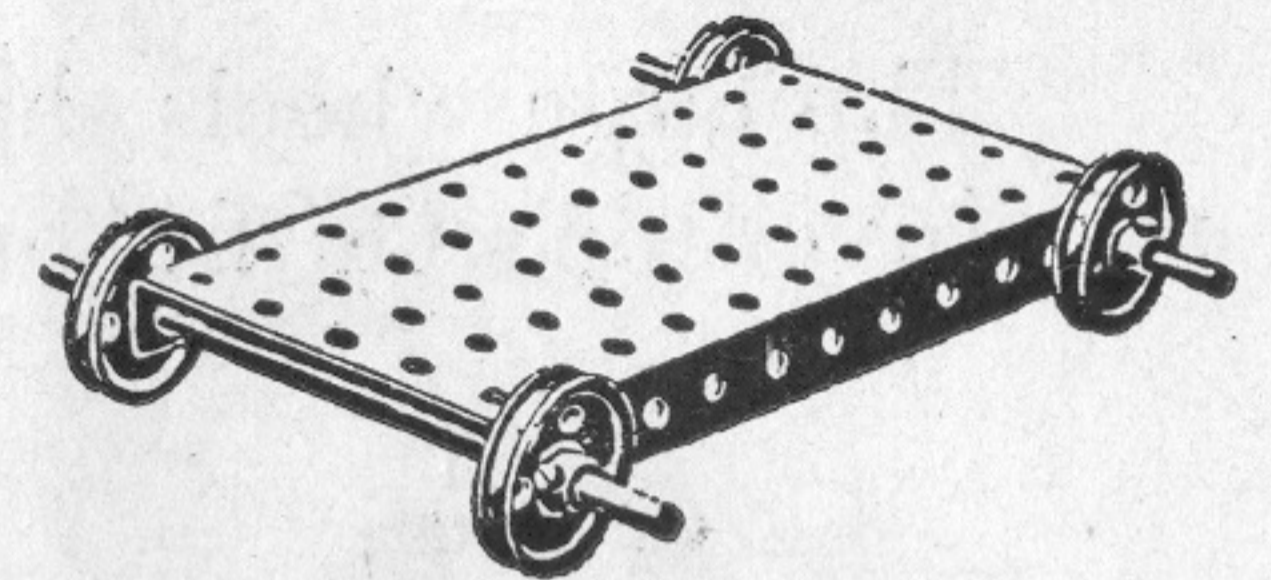
Model No. 8



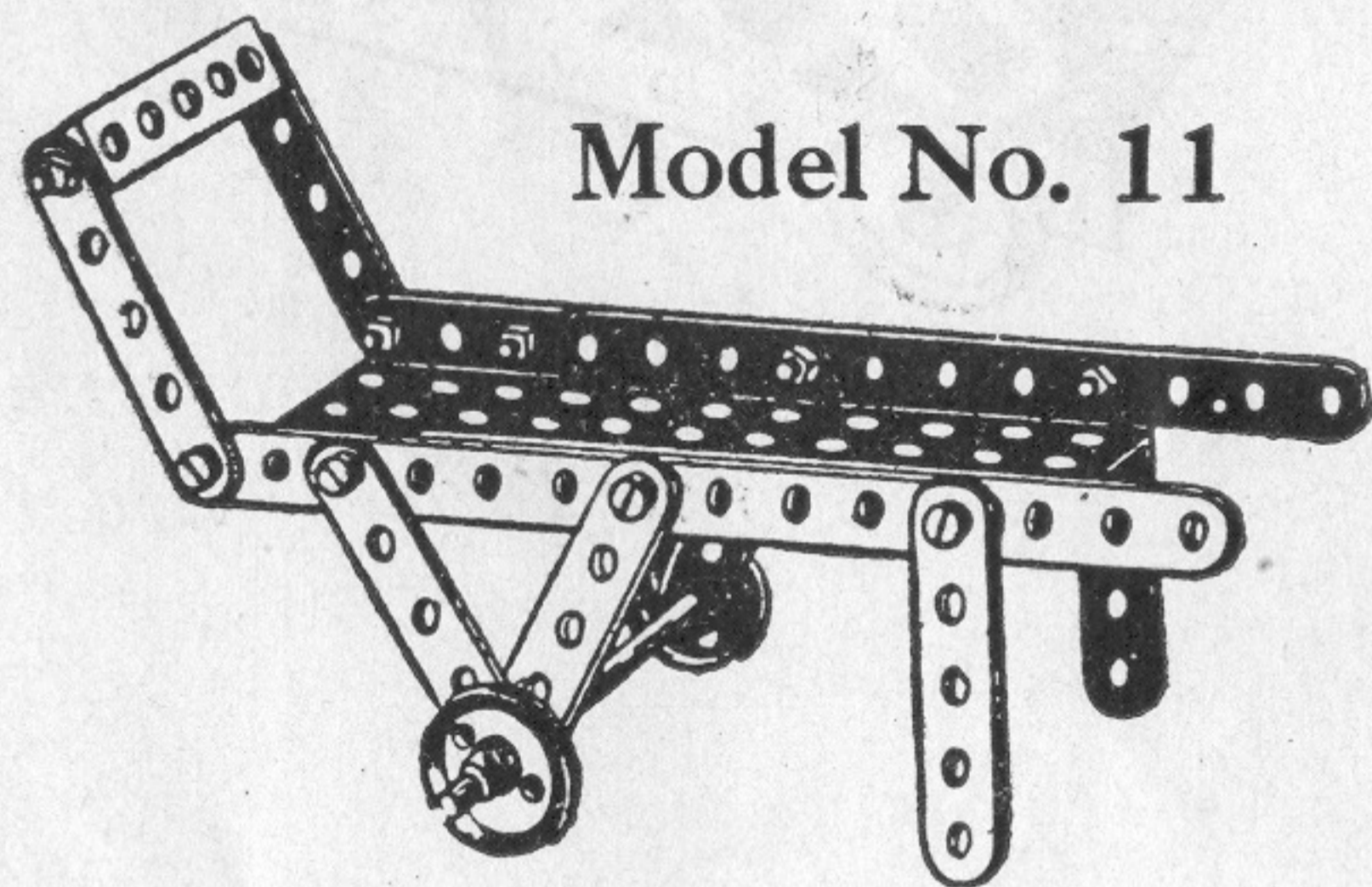
Model No. 9



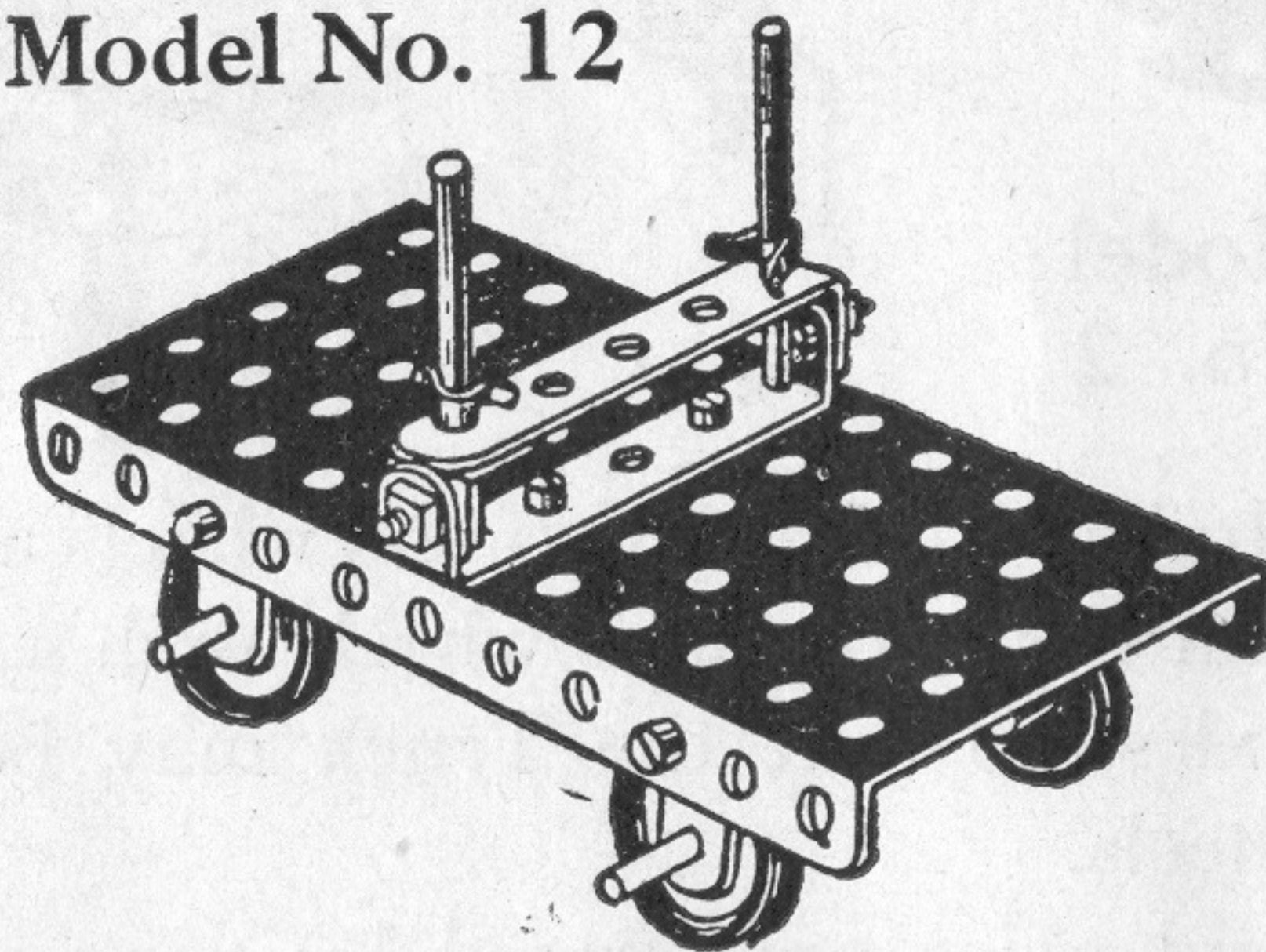
Model No. 10



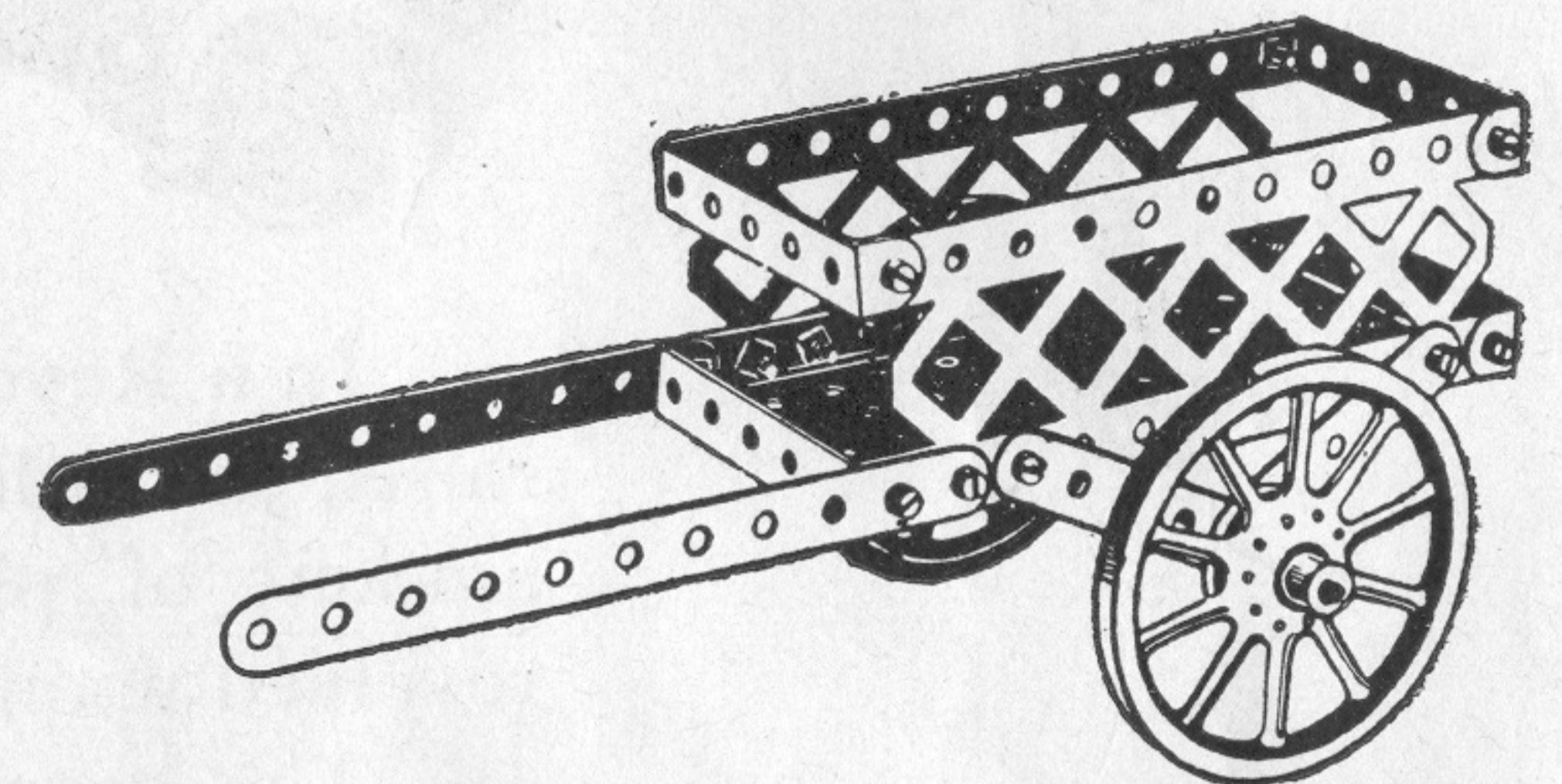
Model No. 11



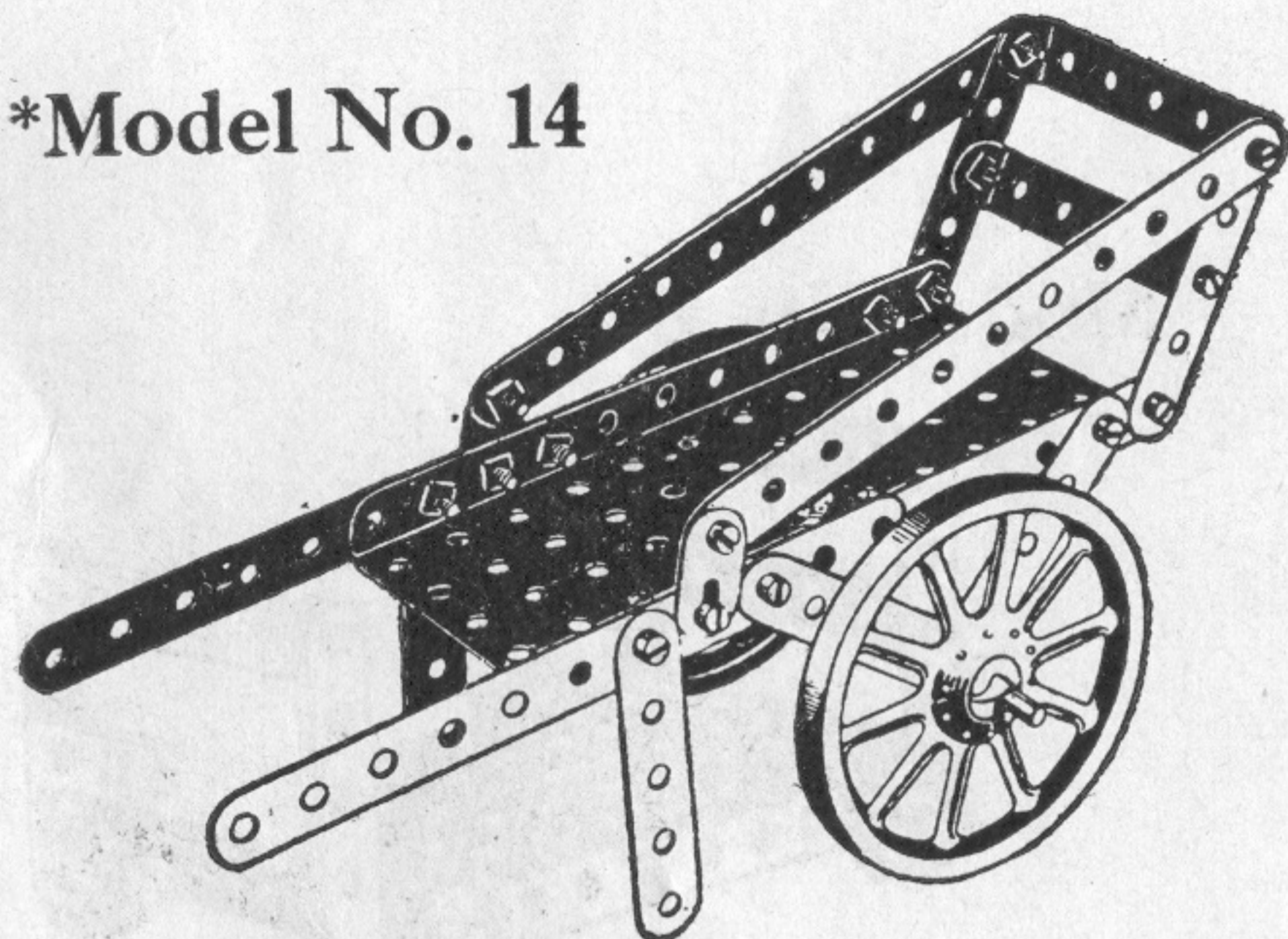
Model No. 12



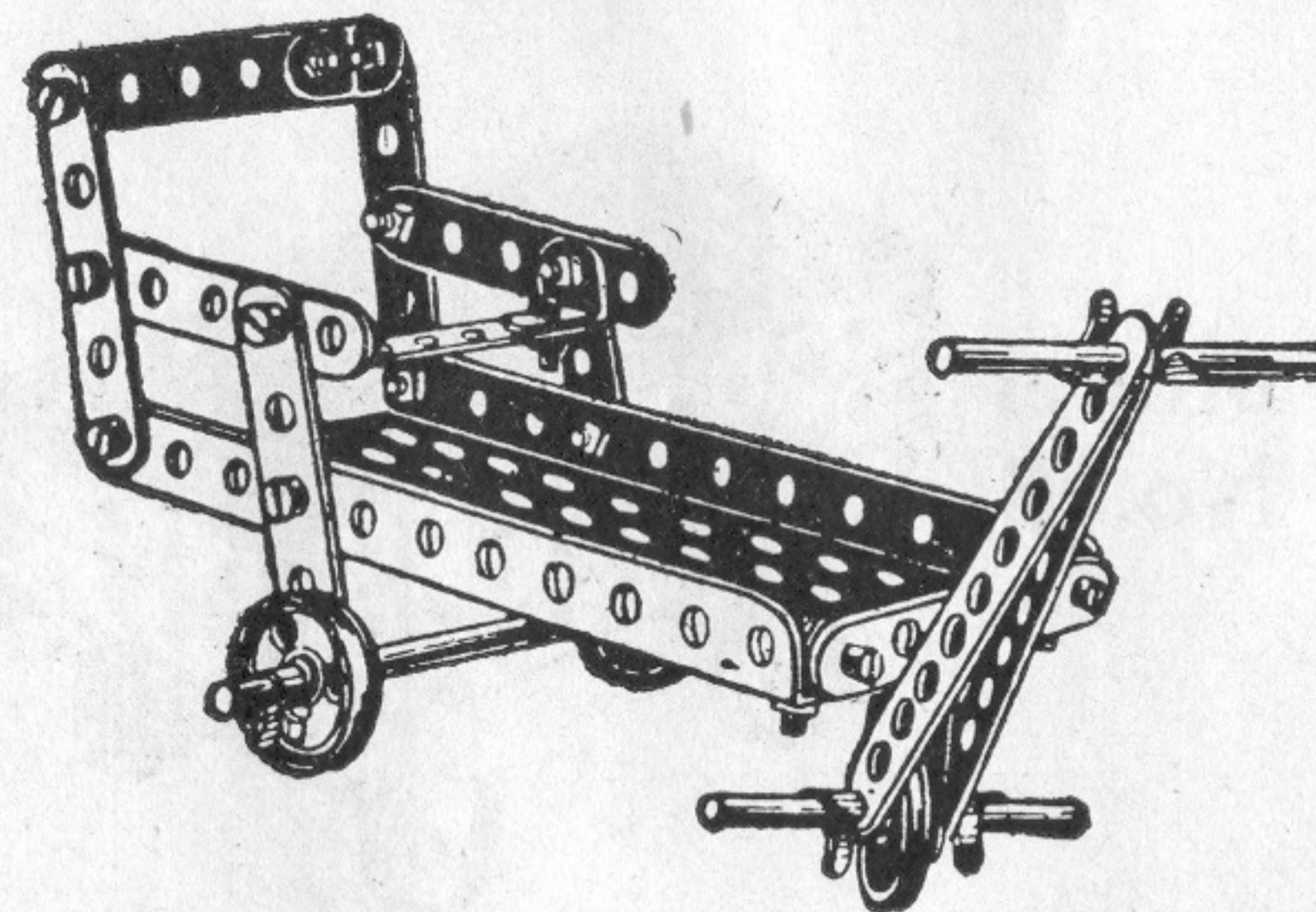
*Model No. 13



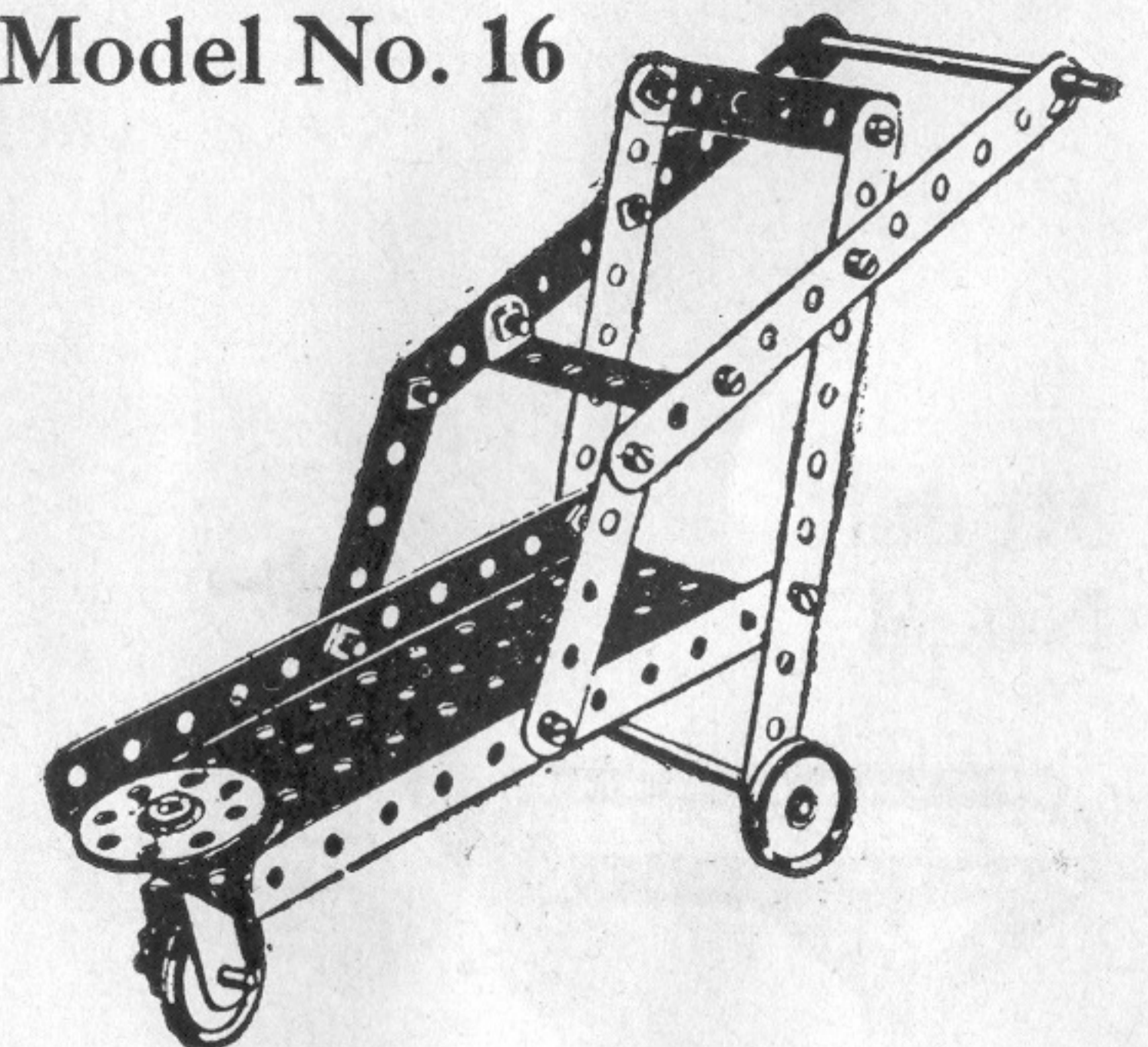
*Model No. 14



Model No. 15

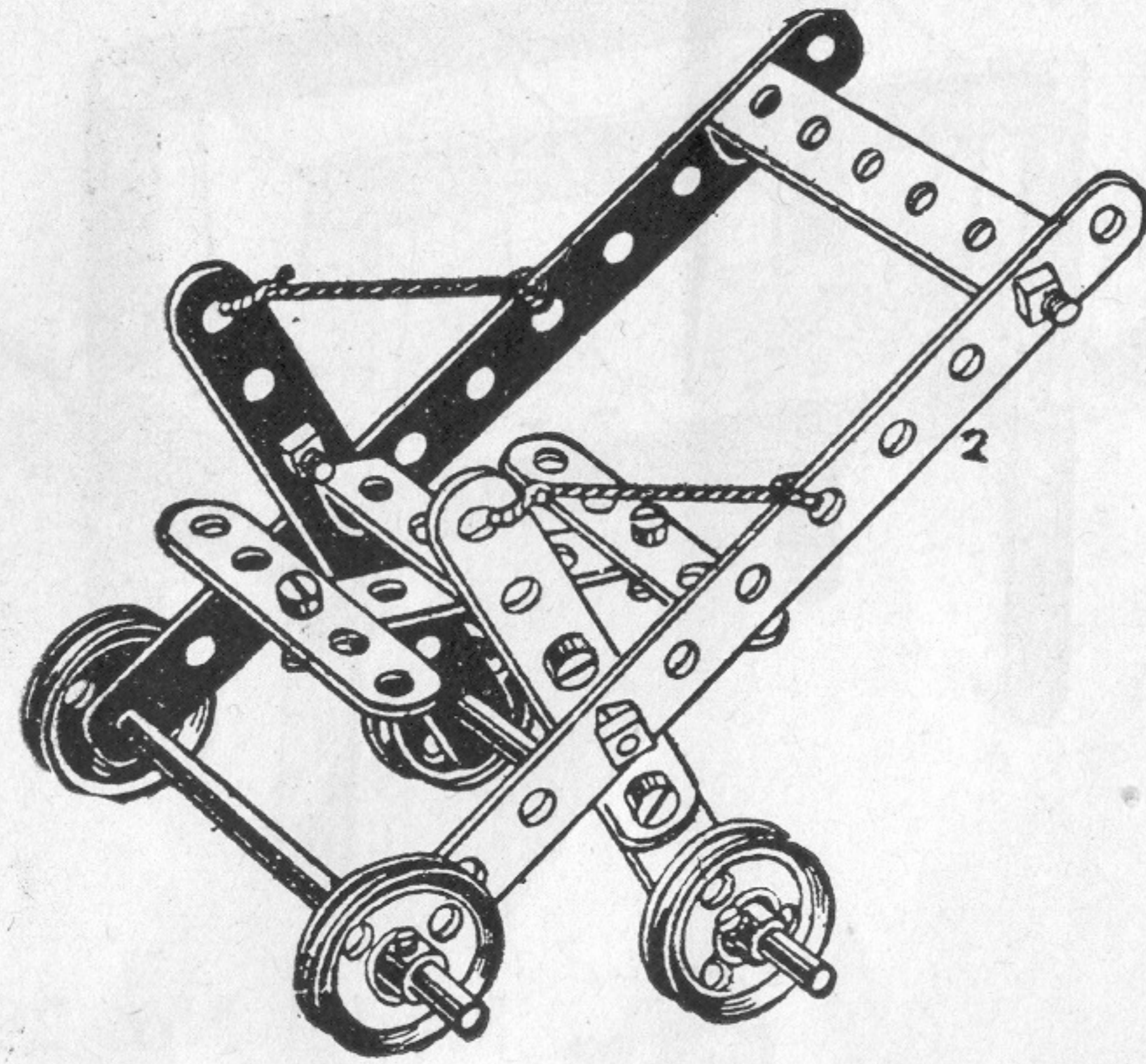


Model No. 16

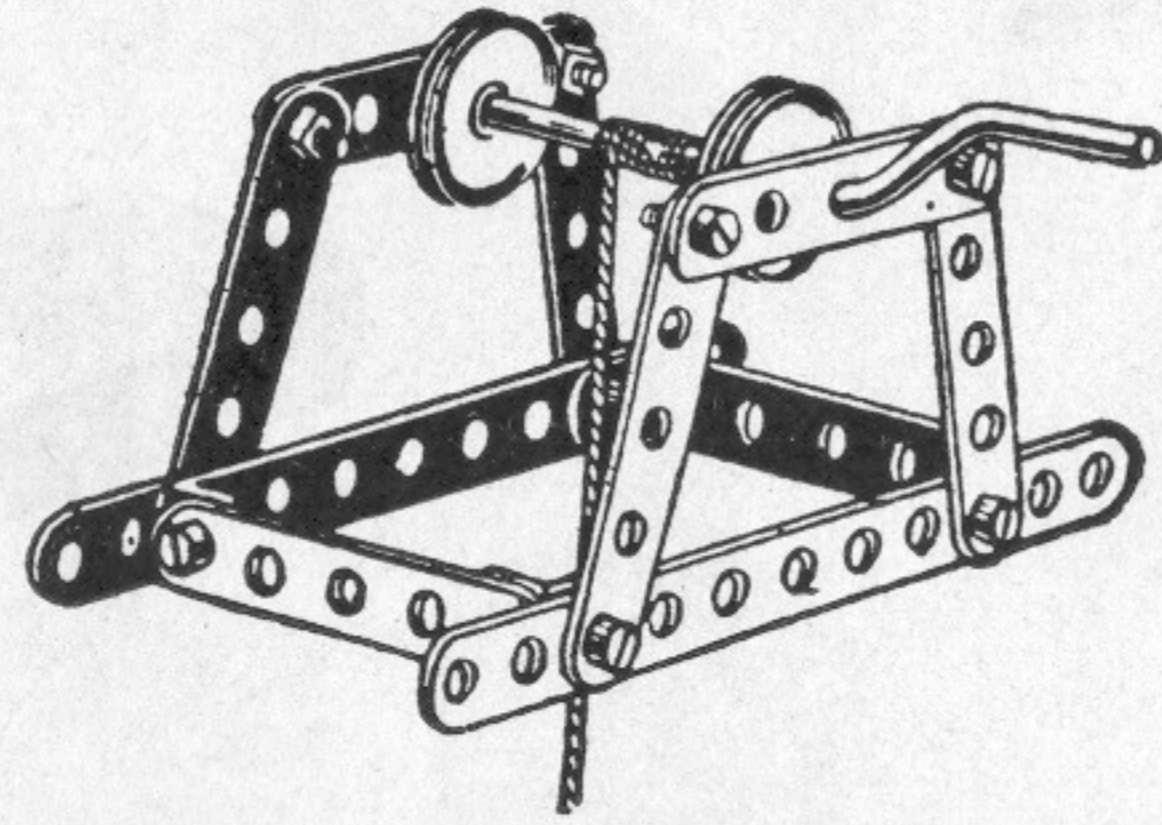


*See note, page 7.

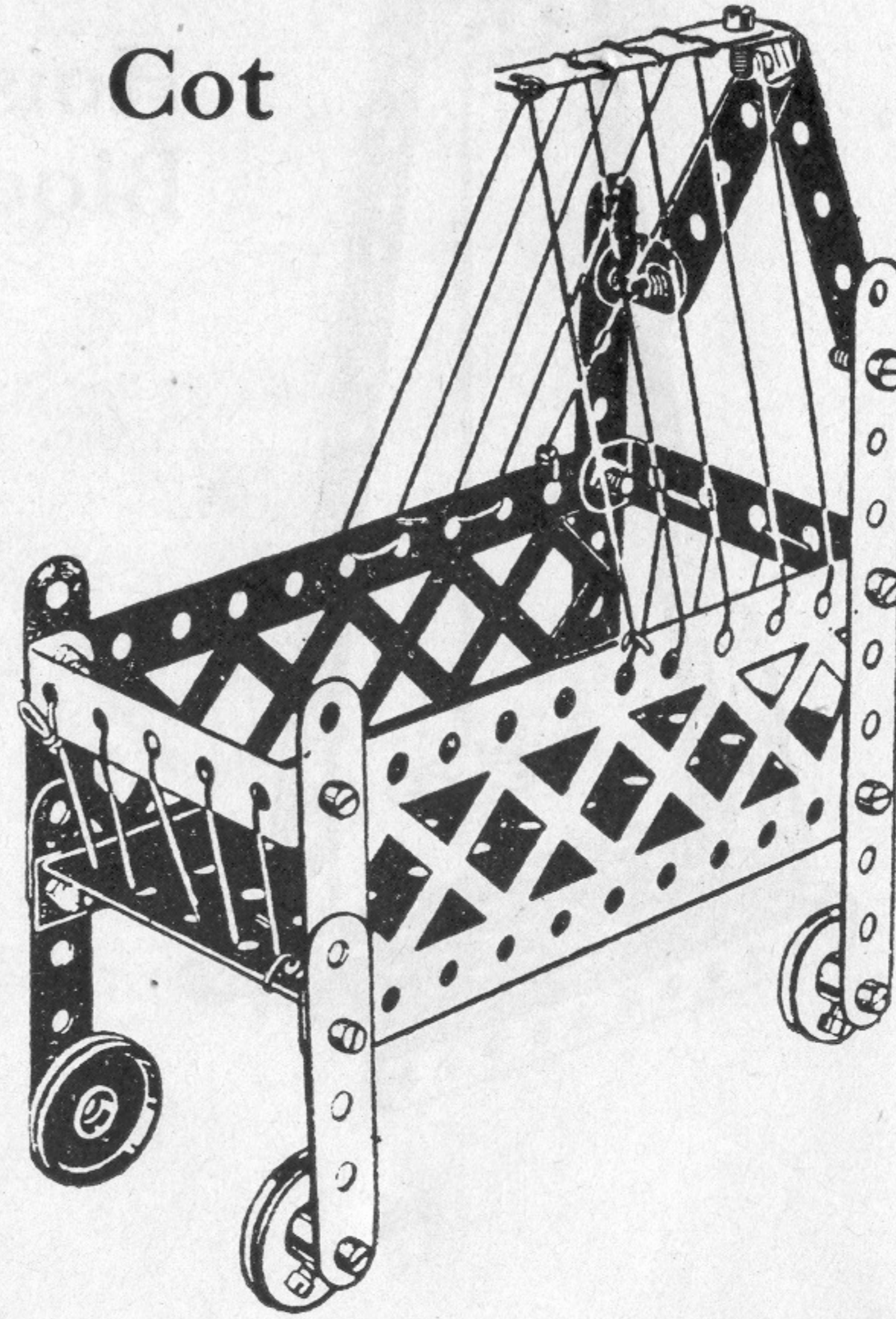
Model No. 17
Go Chair



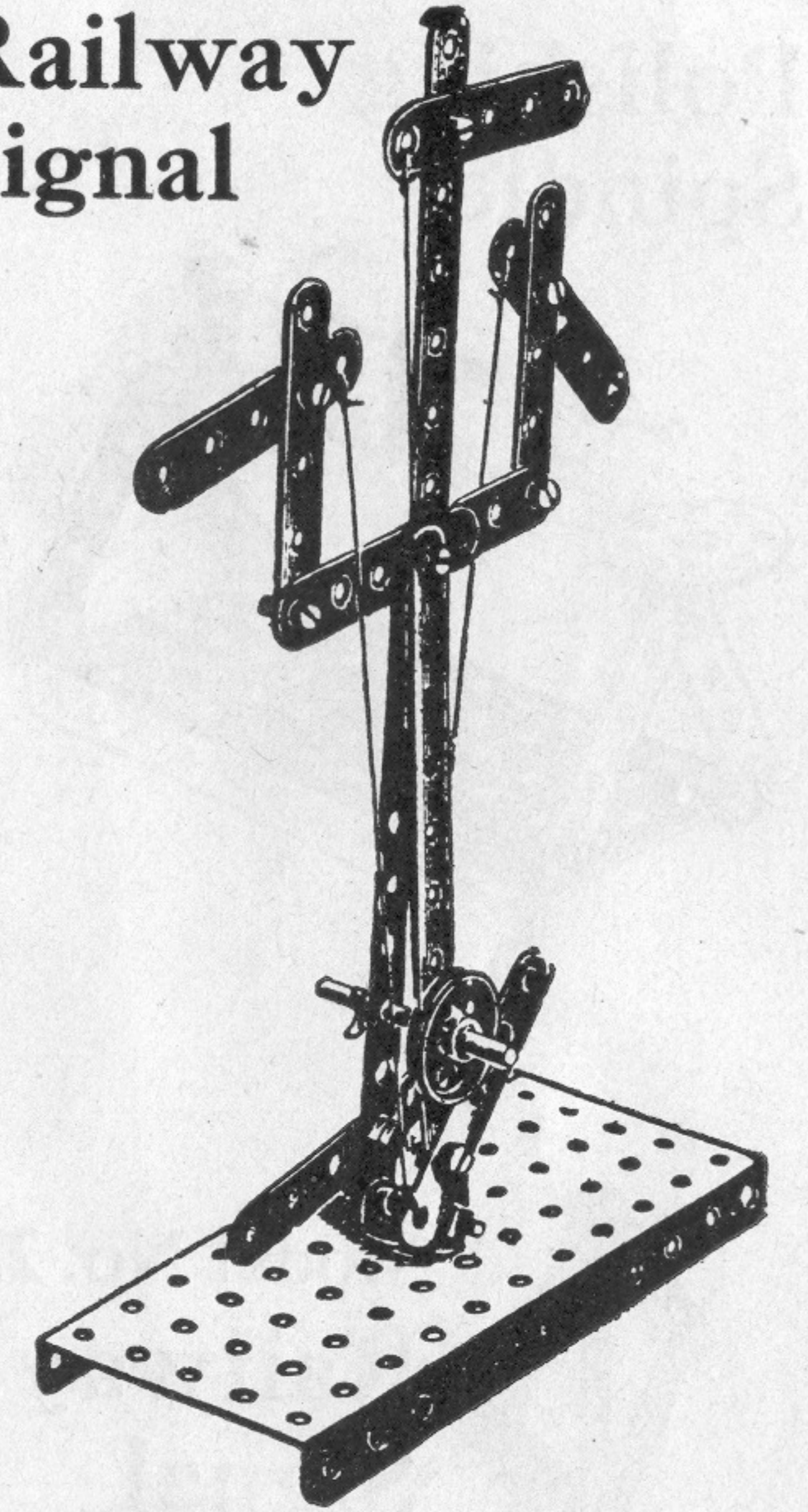
Model No. 18
Well Windlass



Model No. 19
Cot

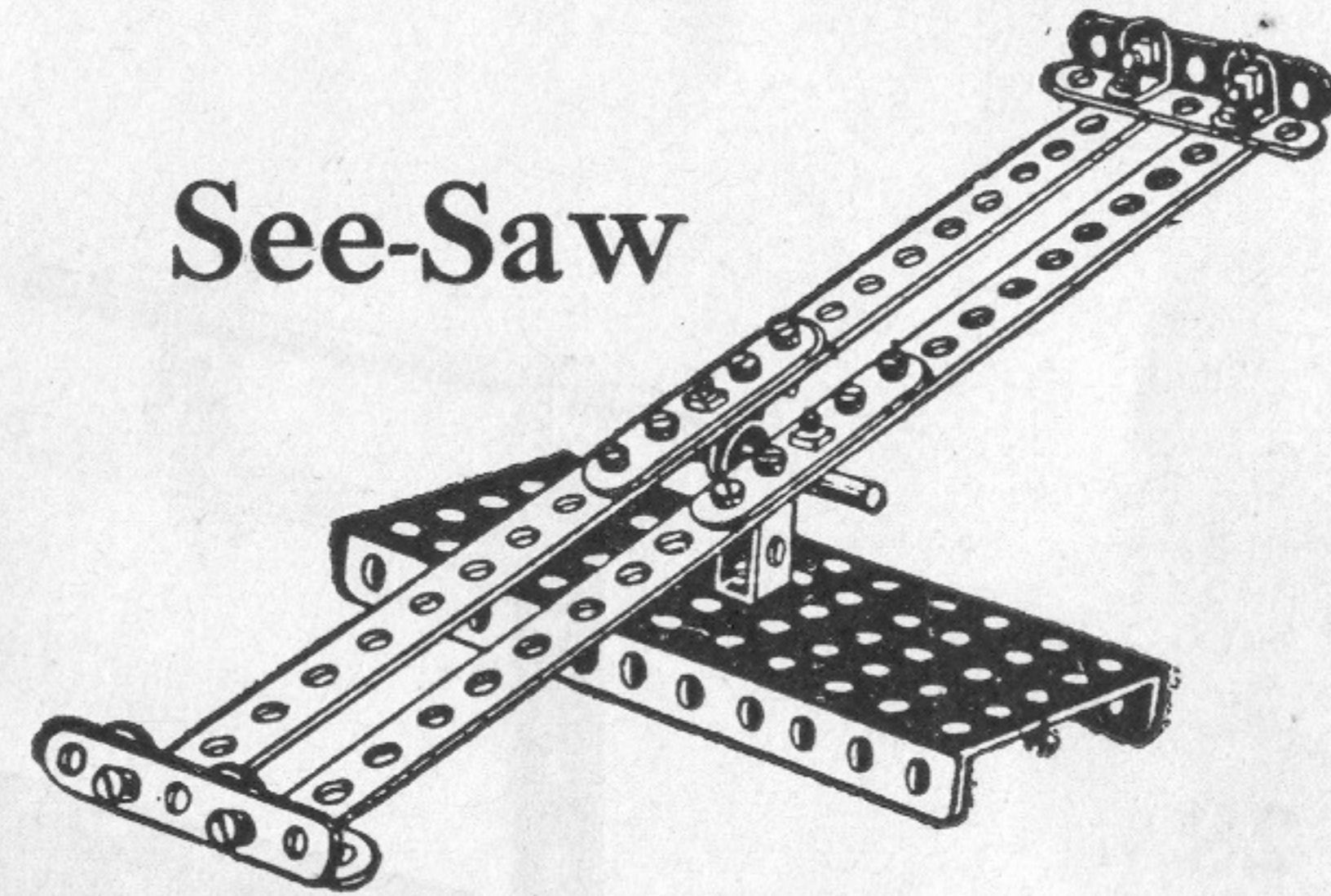


Model No. 20
Railway Signal

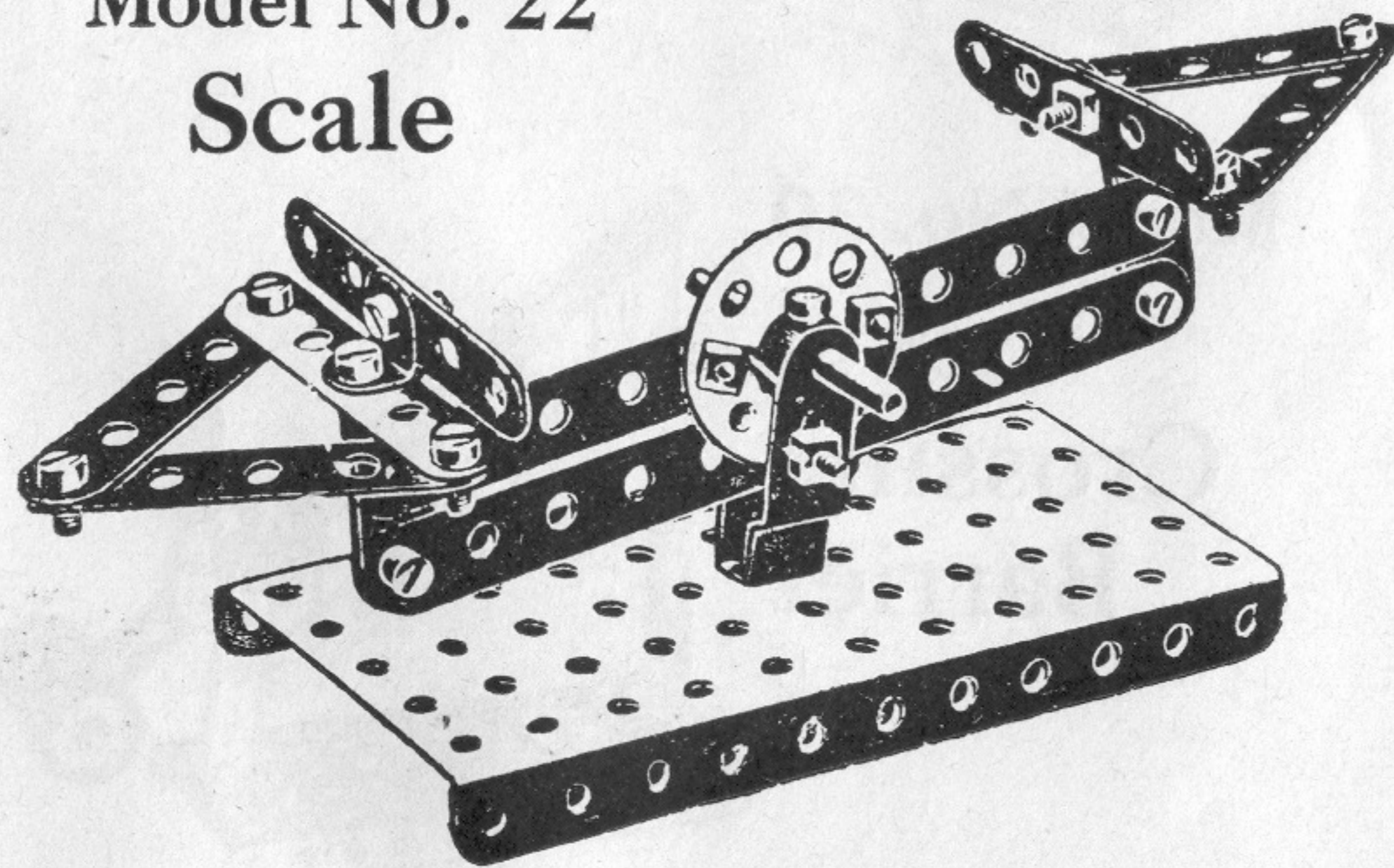


Model No. 21

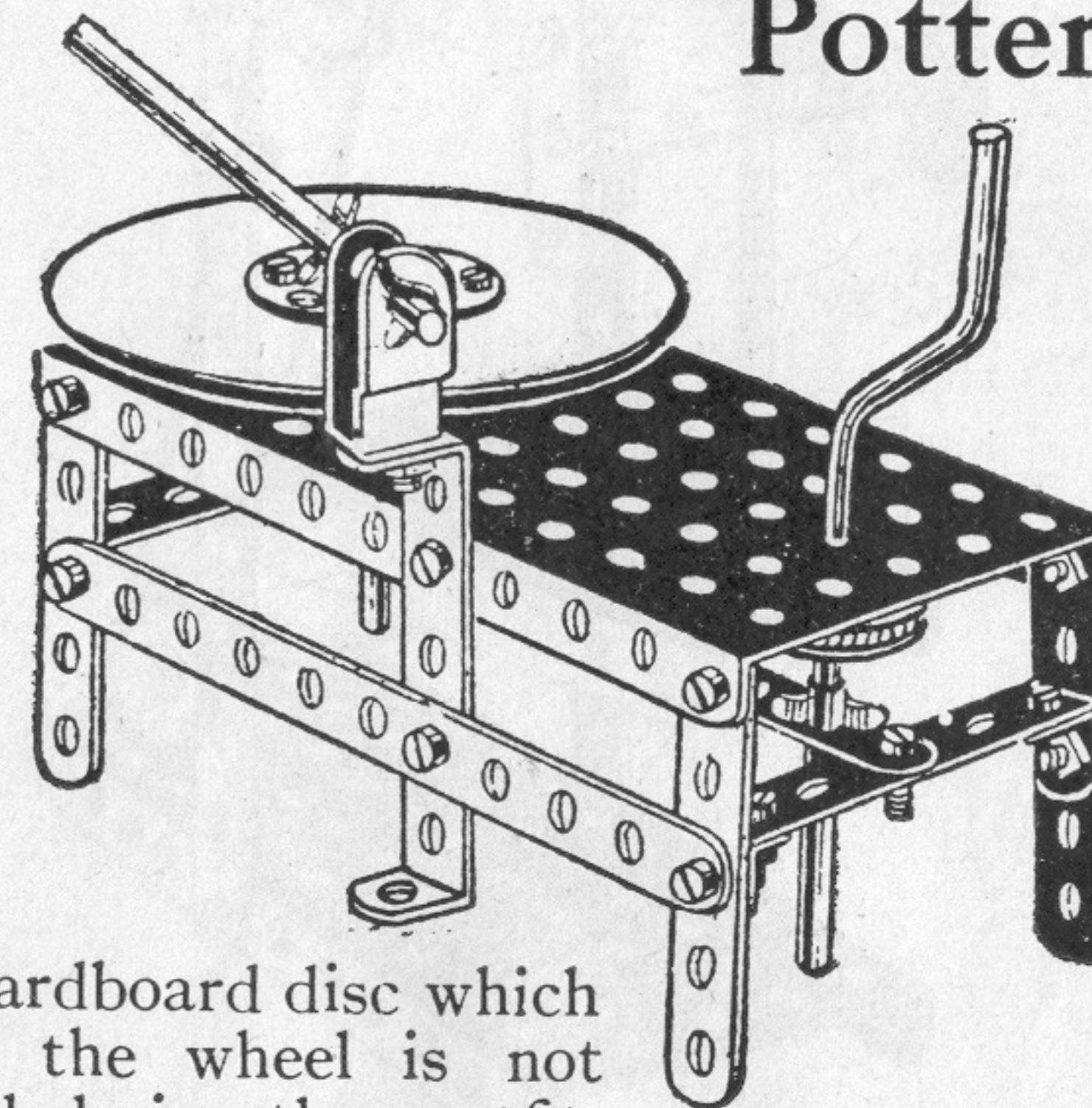
See-Saw



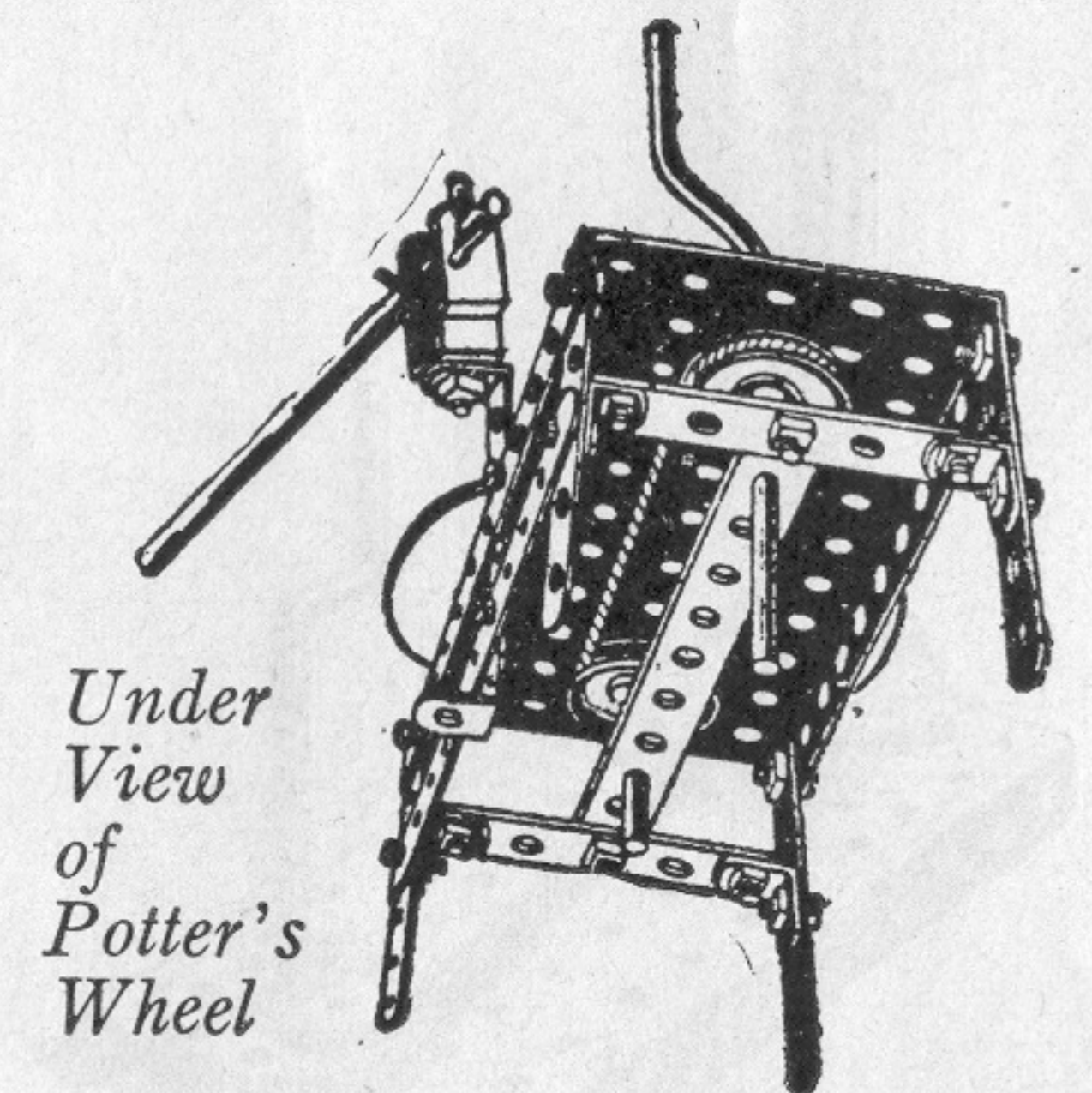
Model No. 22
Scale



Model No. 23
Potter's Wheel

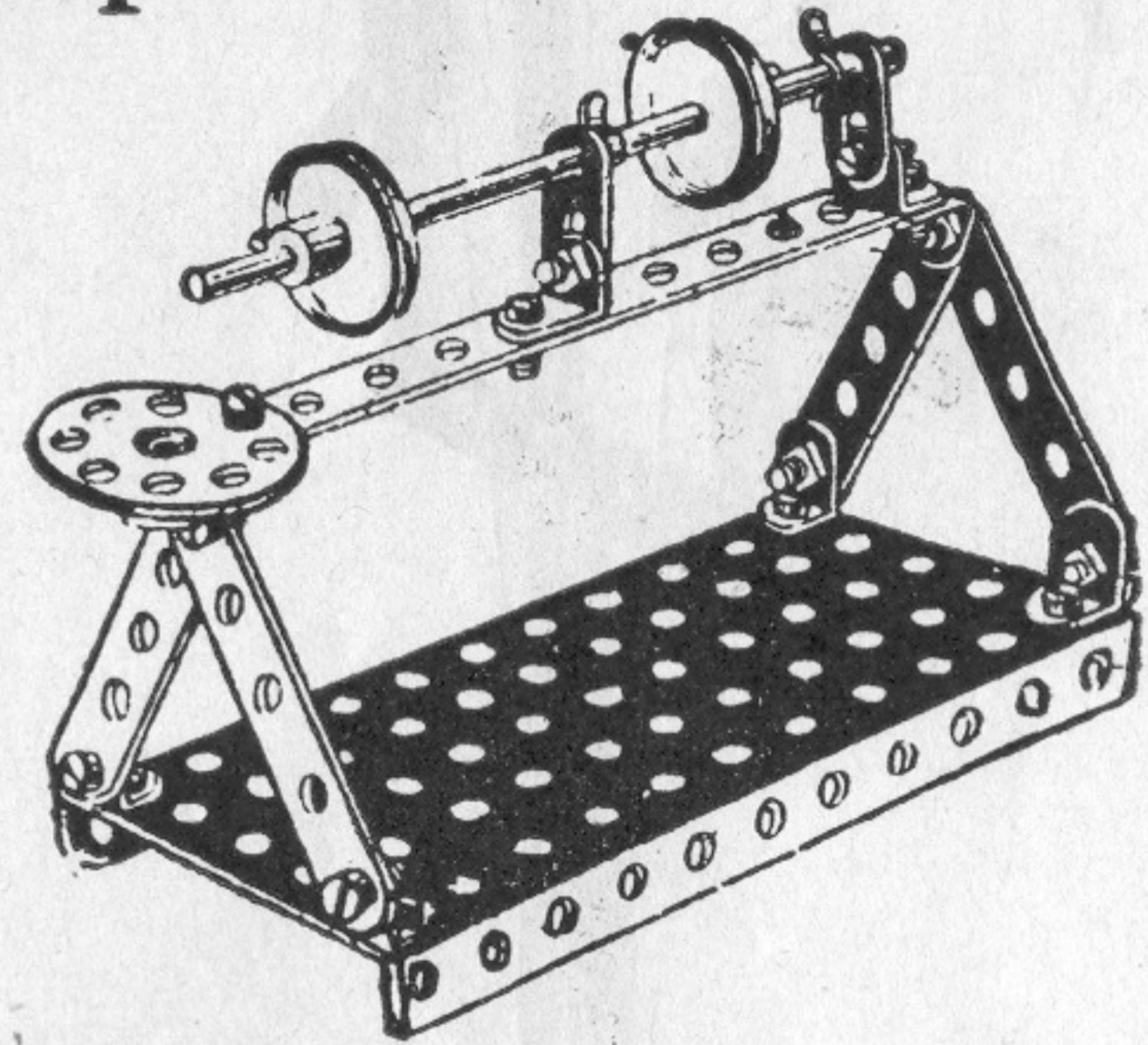


The cardboard disc which forms the wheel is not provided in the outfit.

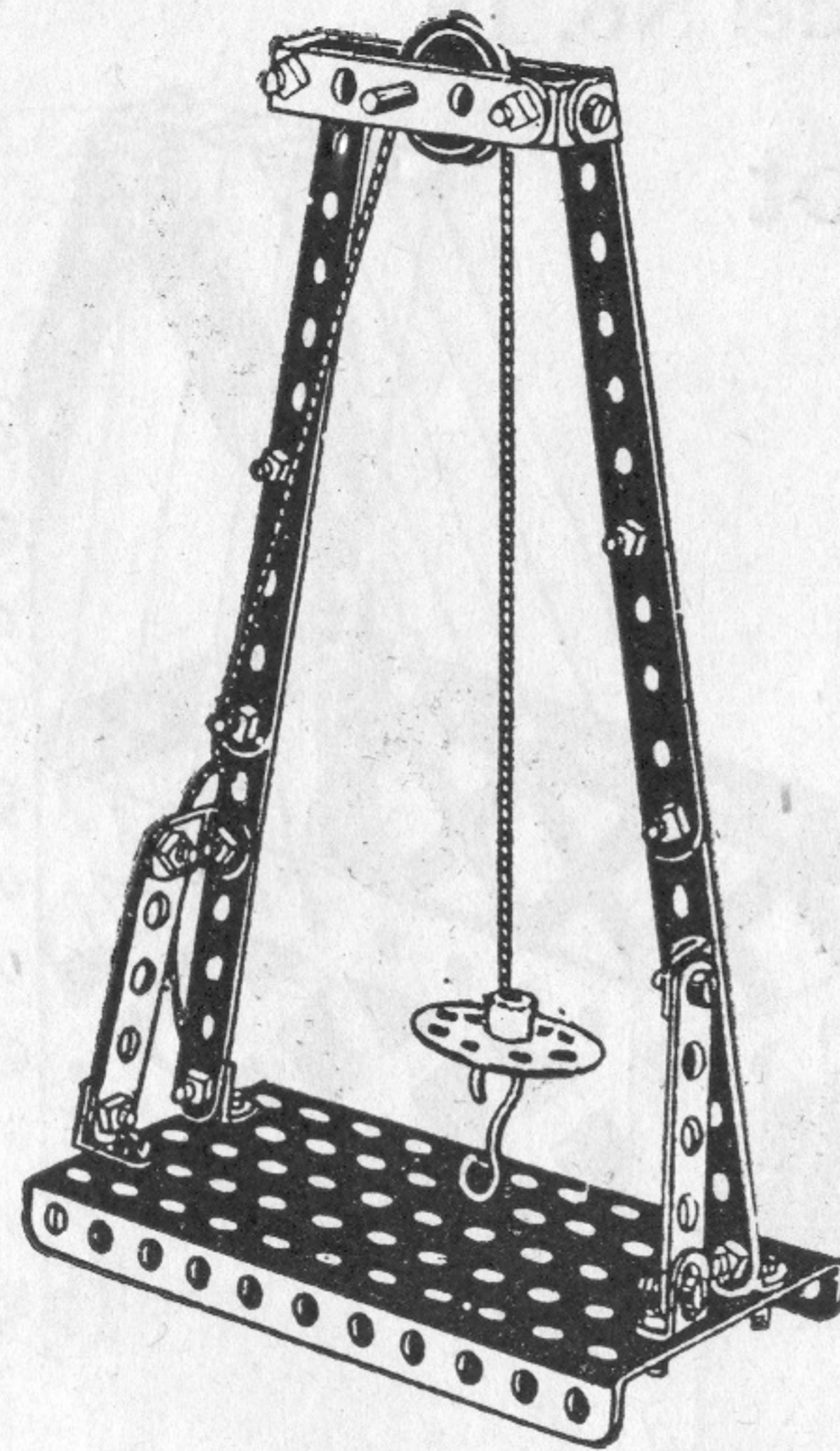


Under View of Potter's Wheel

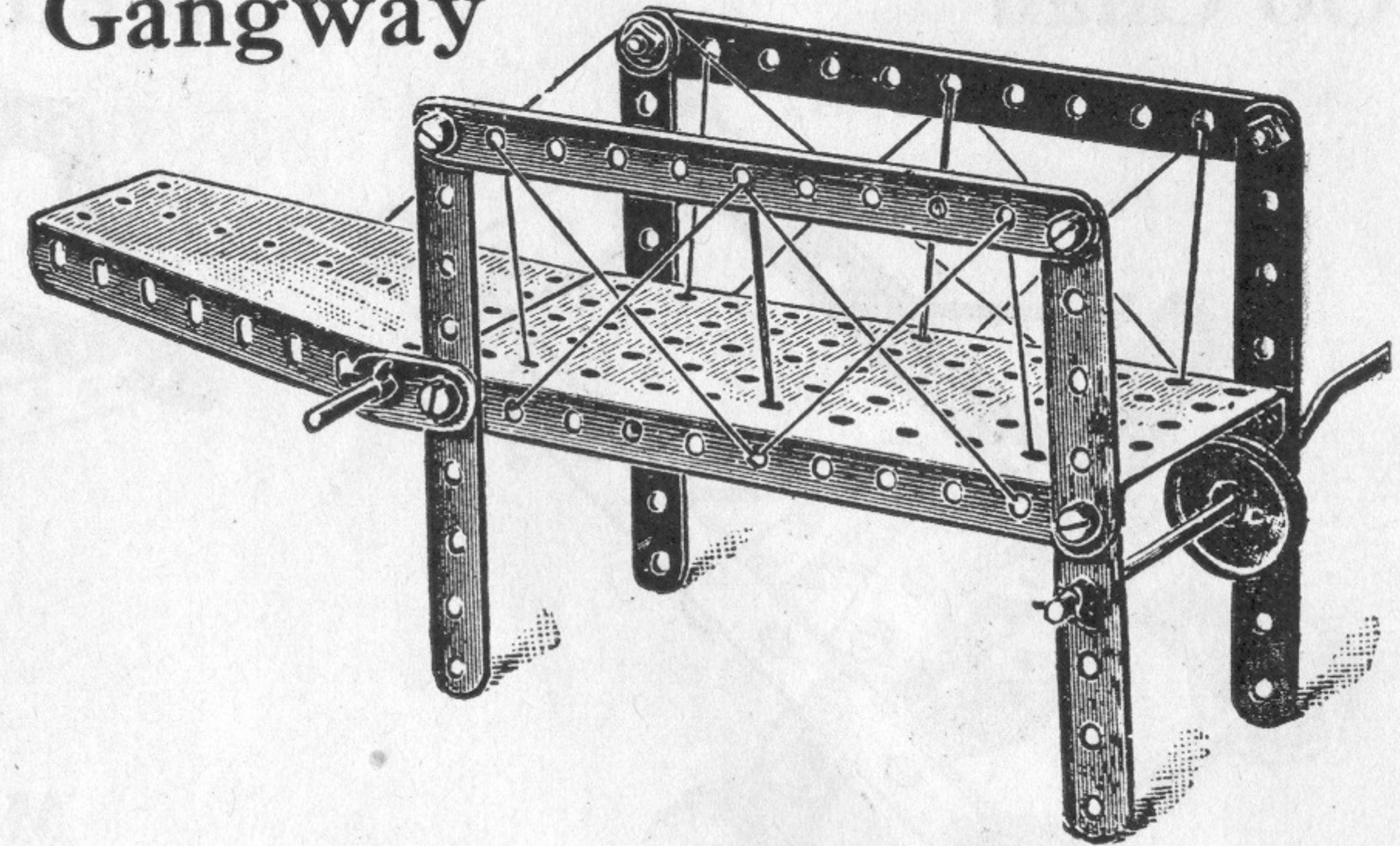
Model No. 24
Polishing
Spindle



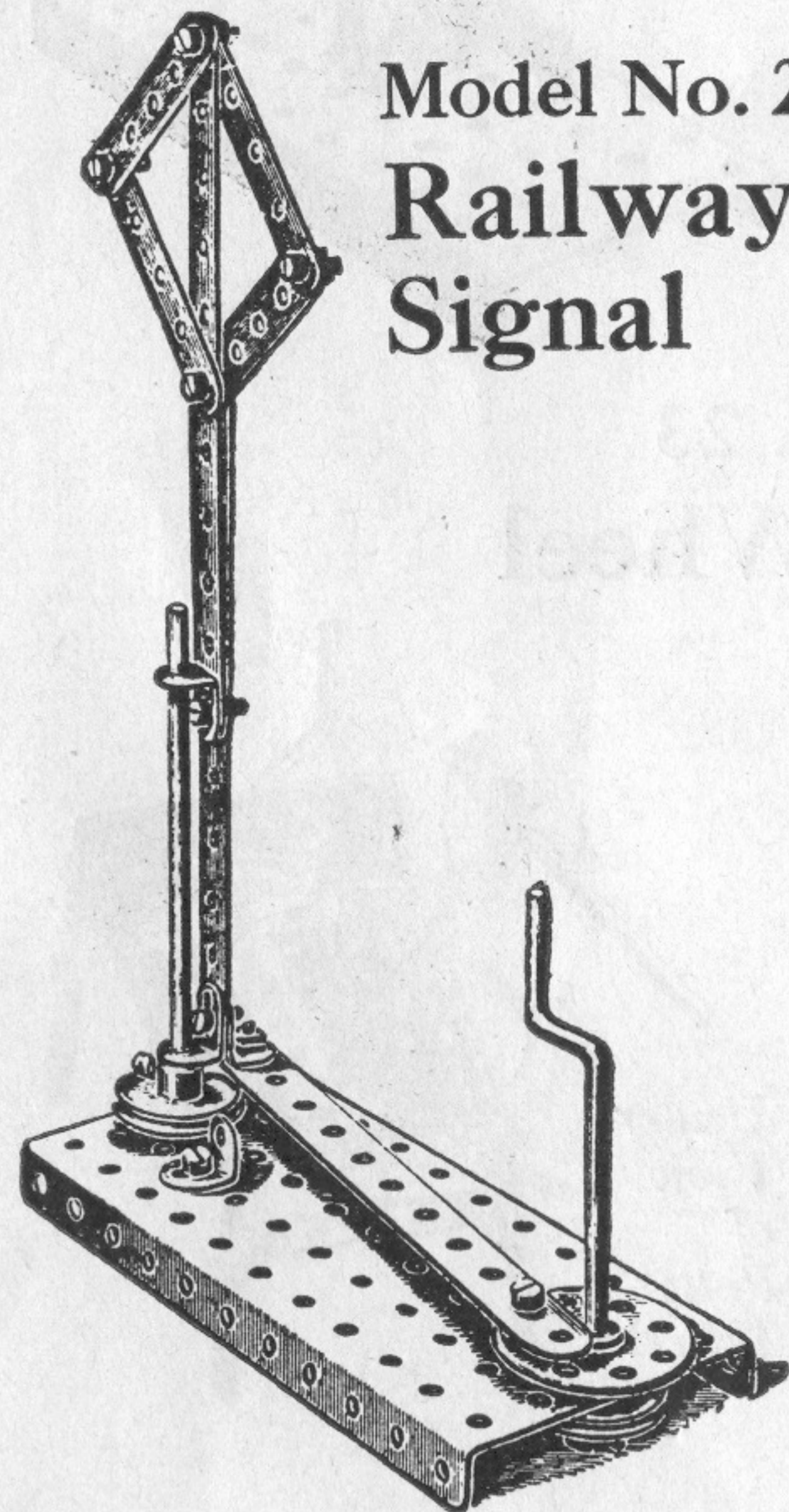
Model No. 25
Hoisting
Block



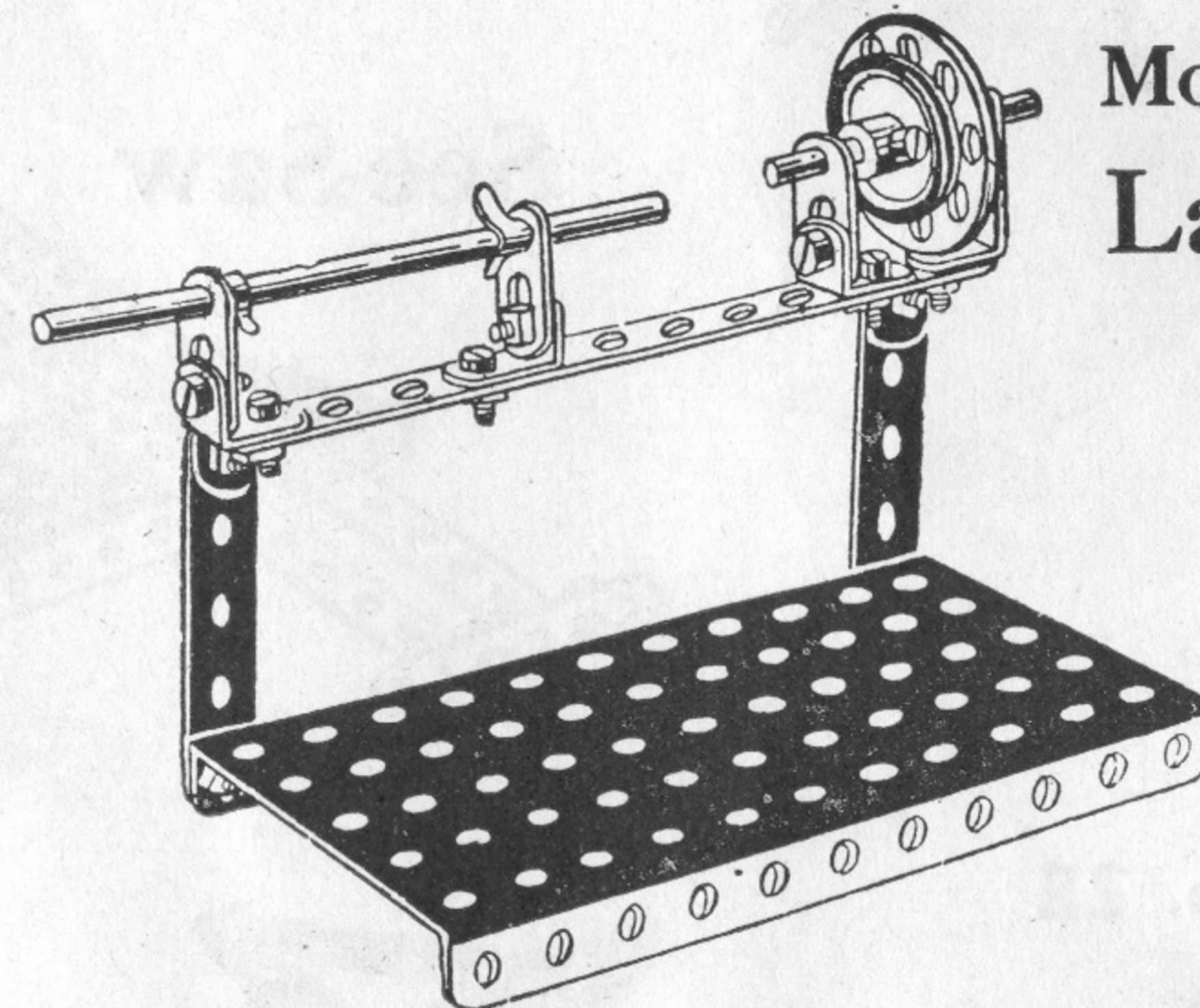
Model No. 26
Gangway



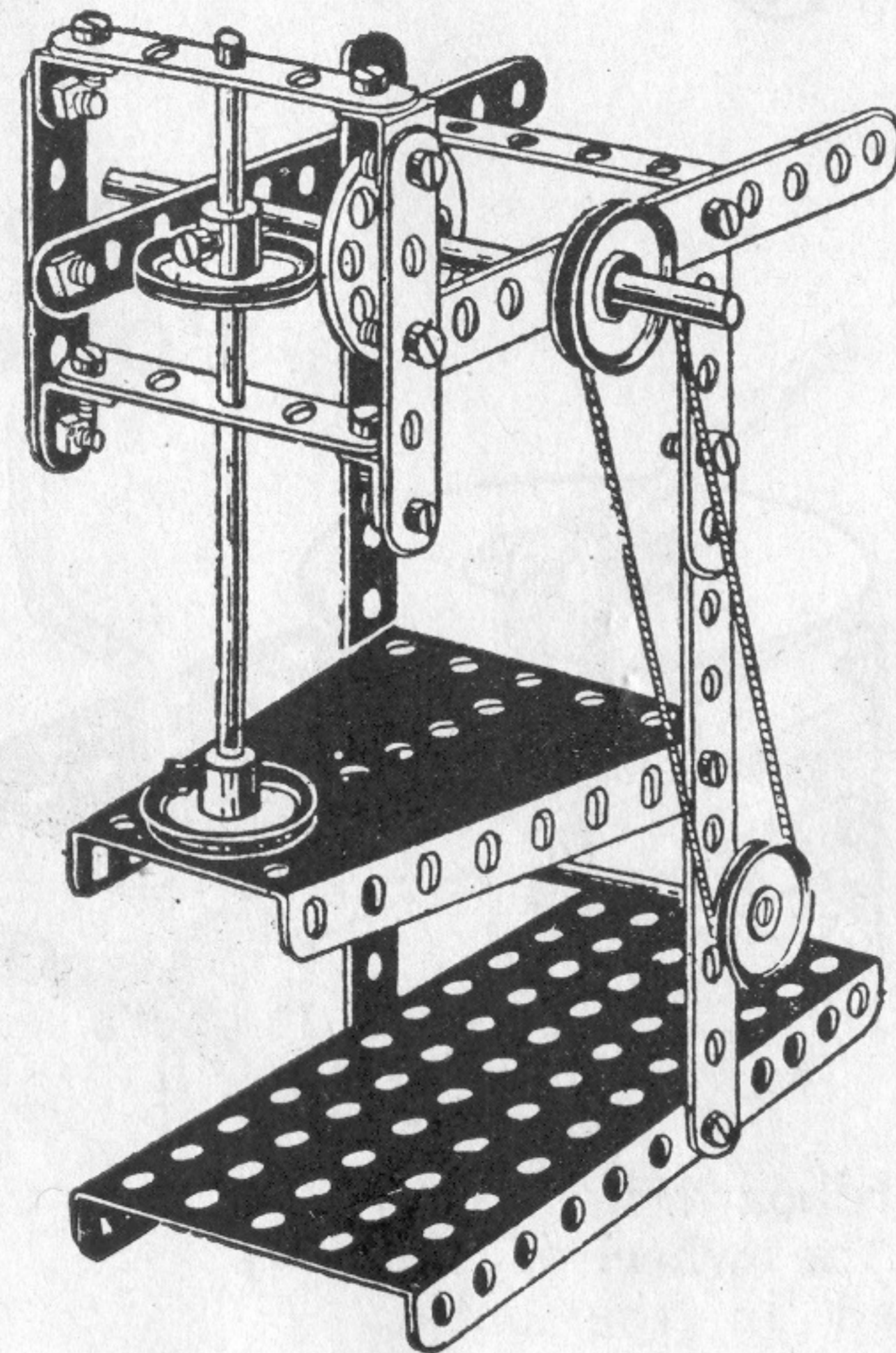
Model No. 27
Railway
Signal



Model No. 29
Lathe

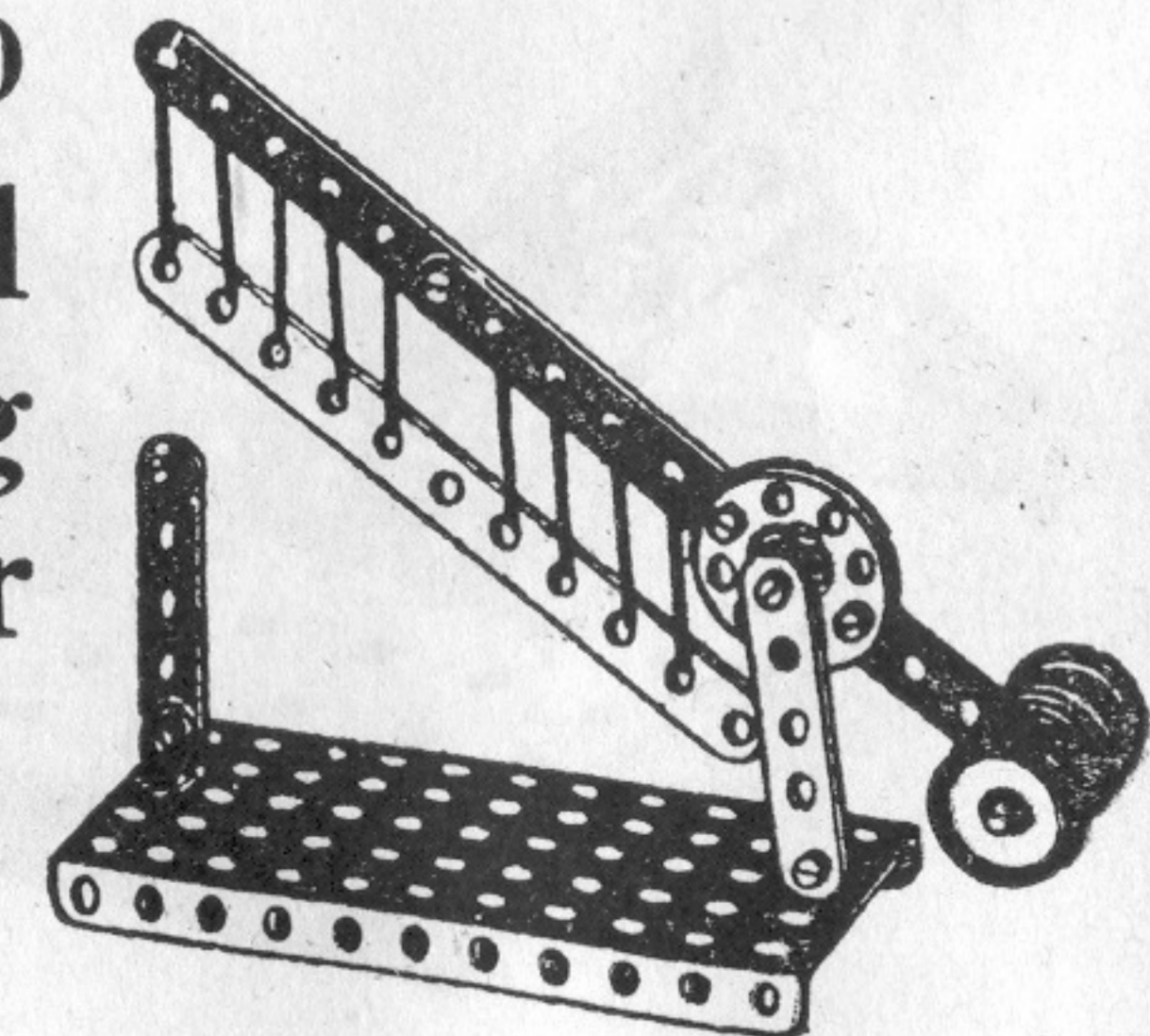


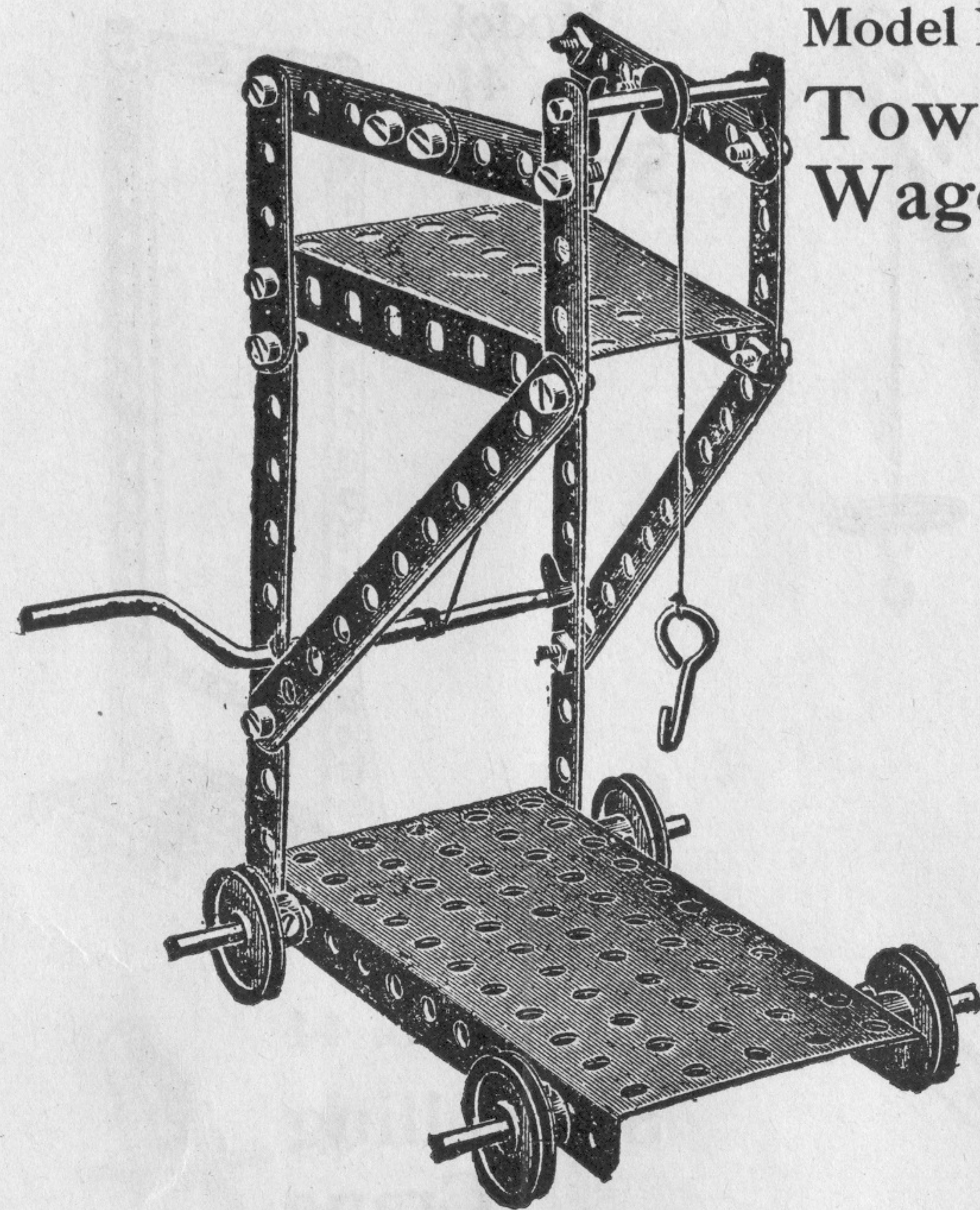
Model No. 28
Drop Stamp



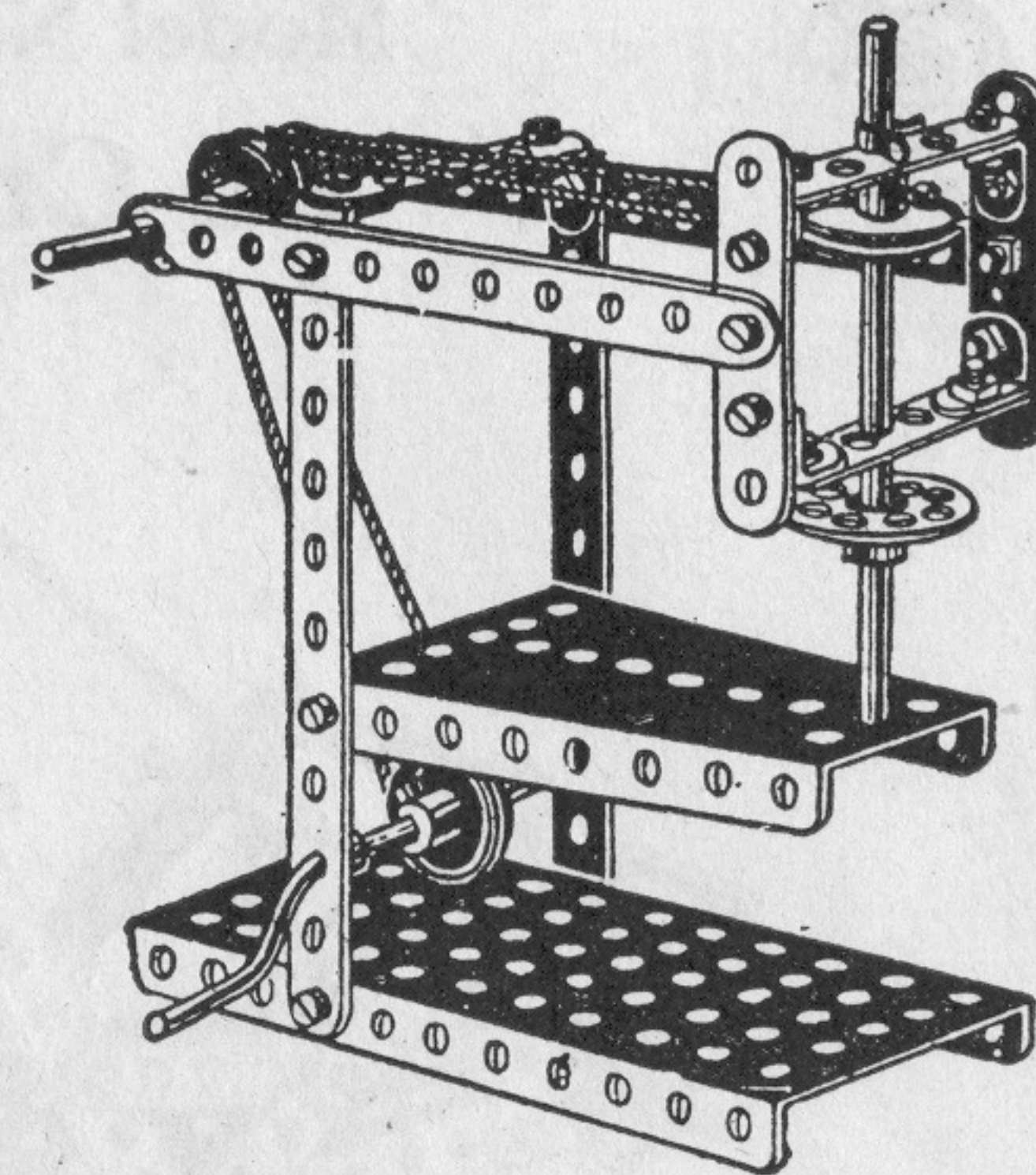
The stamp of this model is raised and dropped by a 2½" strip attached to a bush wheel.

Model No. 30
Level
Crossing
Barrier

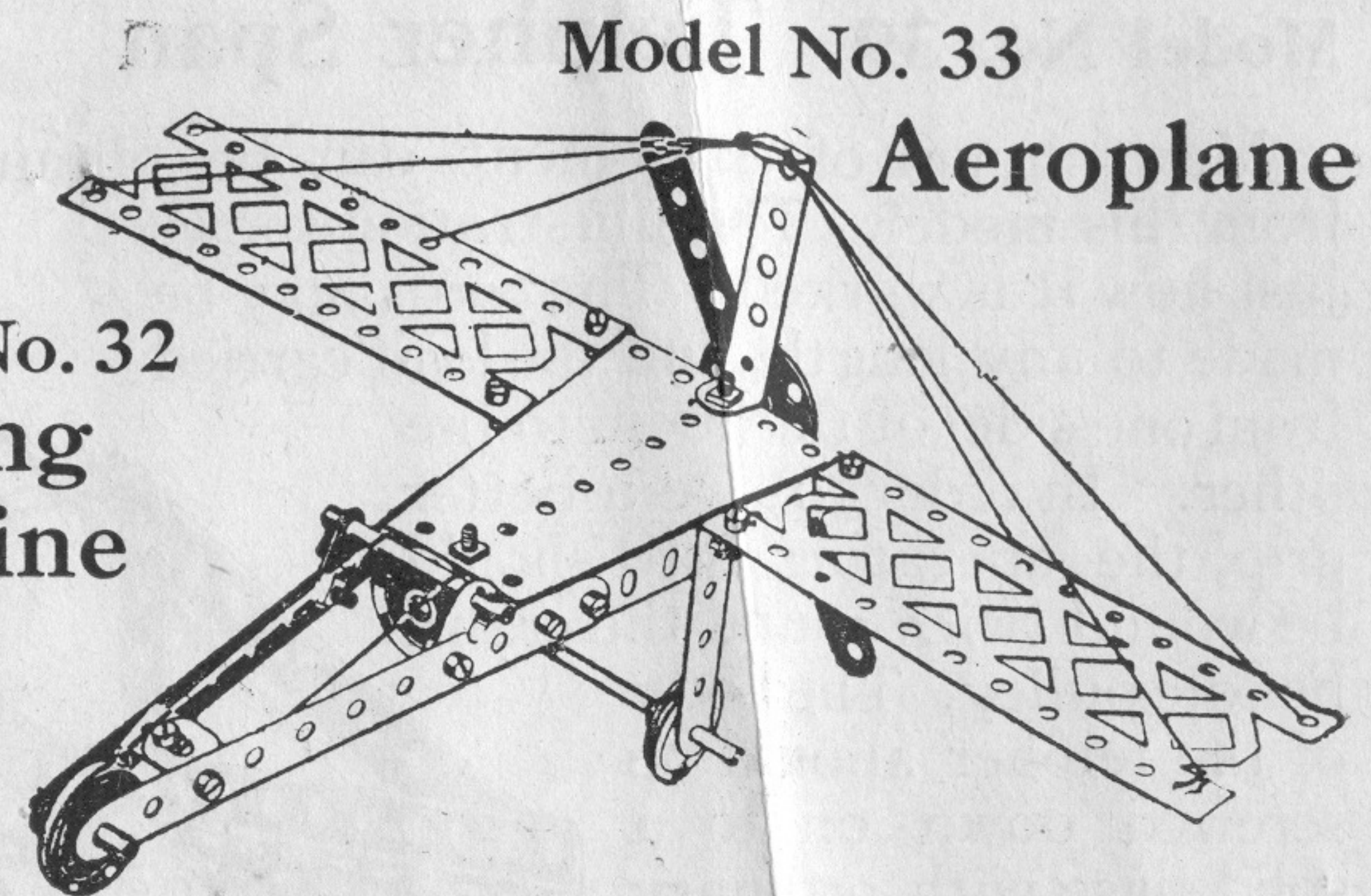




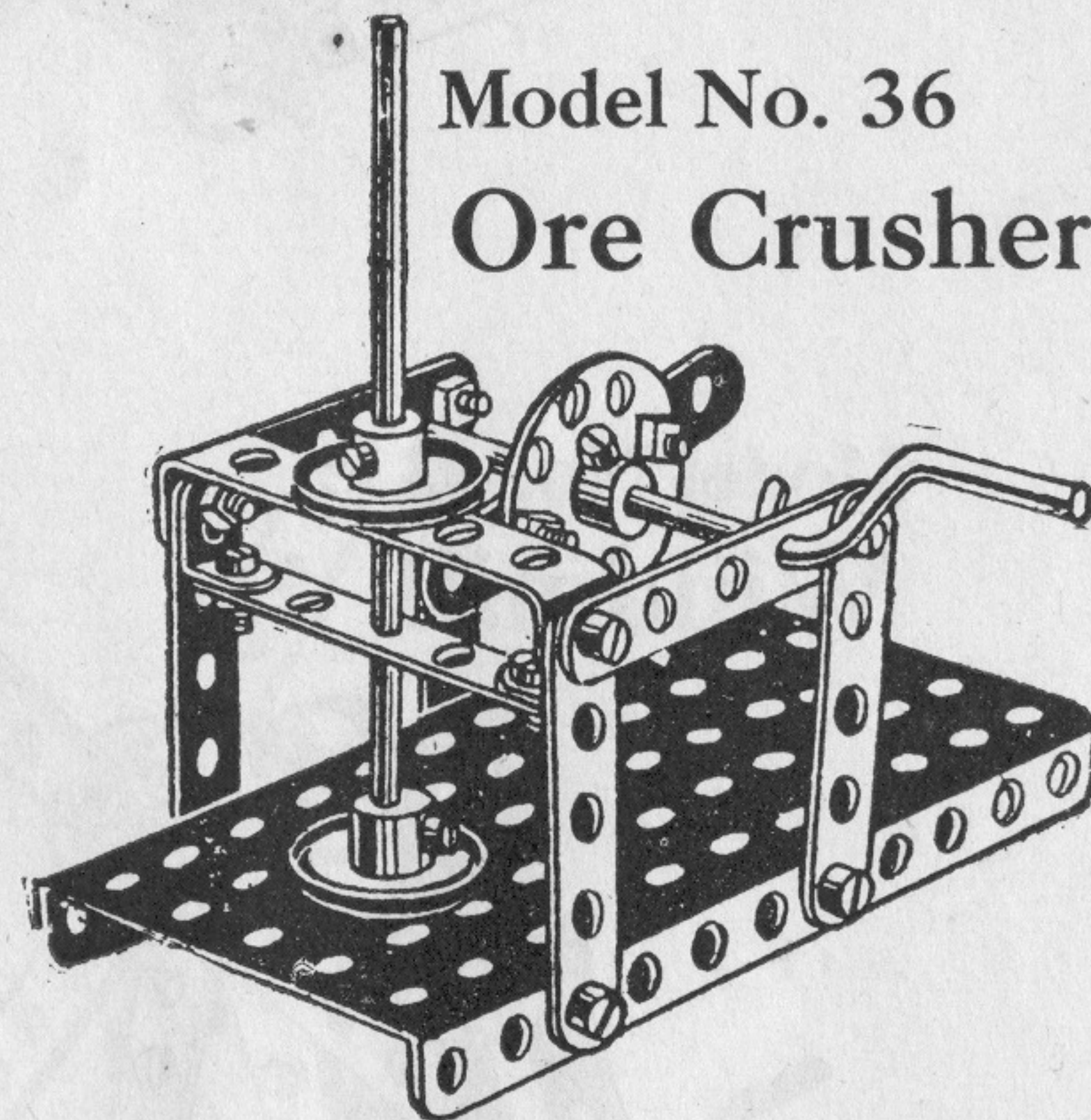
Model No. 31
Tower
Wagon



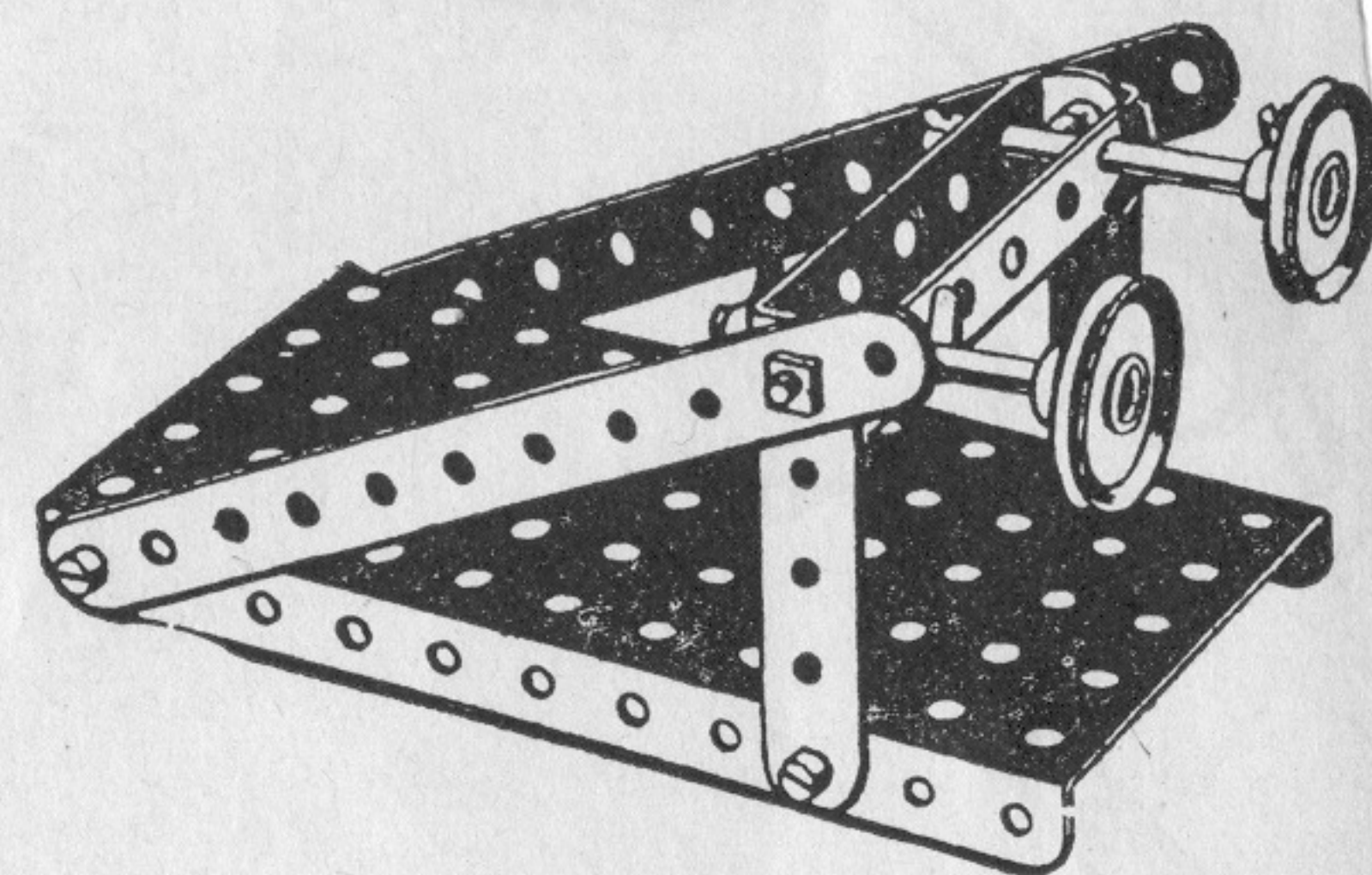
Model No. 32
Drilling
Machine



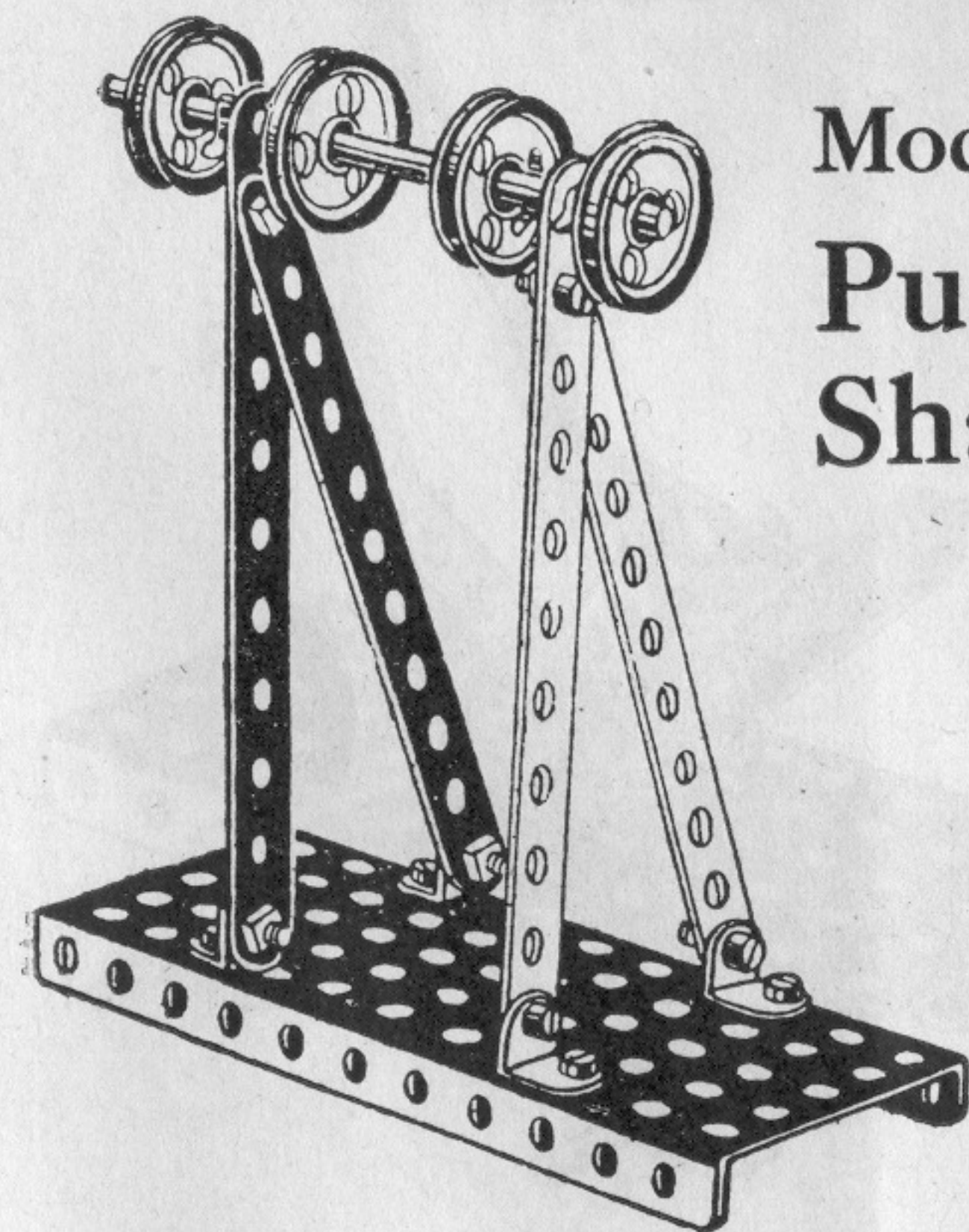
Model No. 33
Aeroplane



Model No. 36
Ore Crusher



Model No. 34
Buffers



Model No. 35
Pulley
Shaft



Model No. 37
Buffing
Spindle

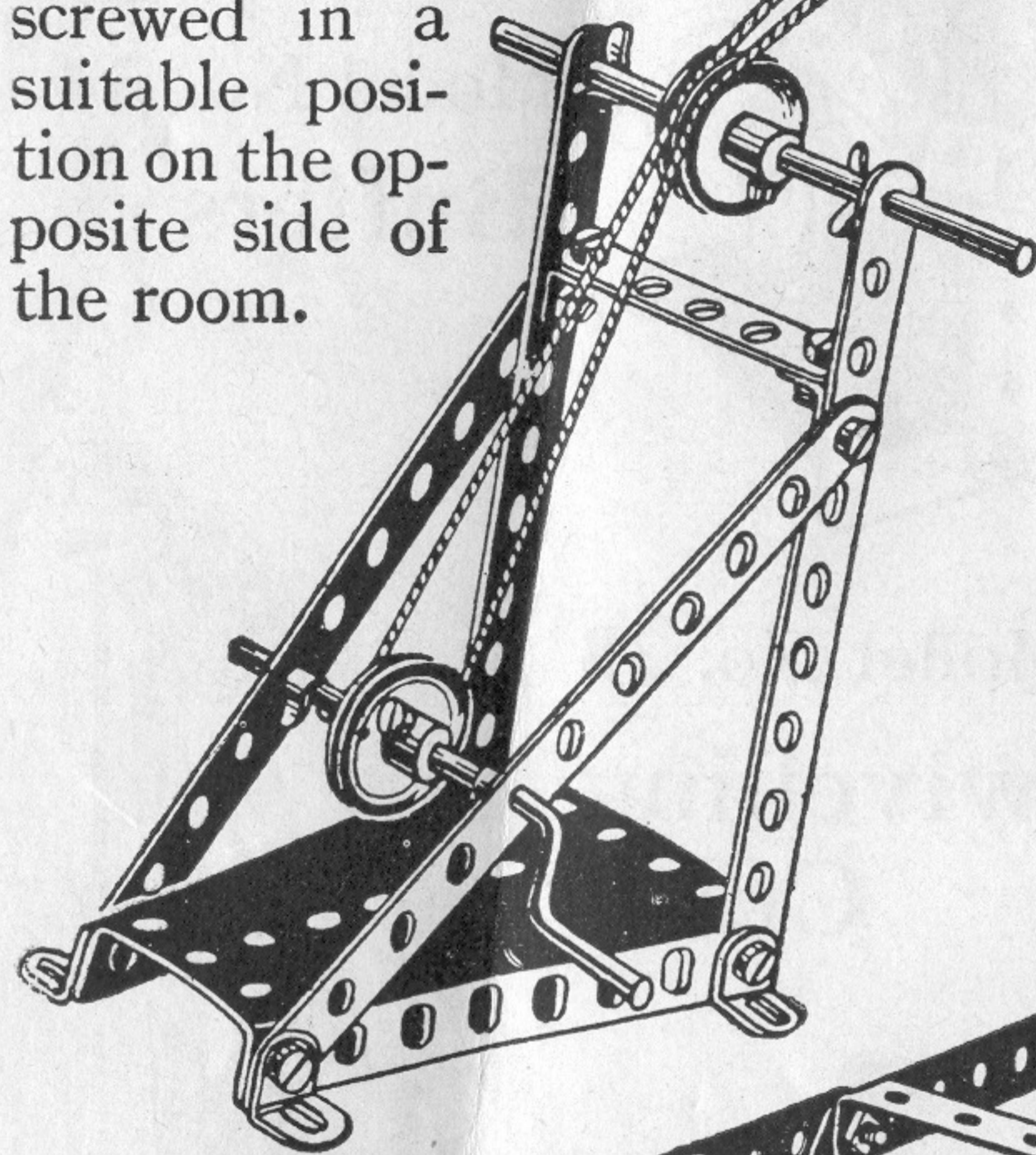
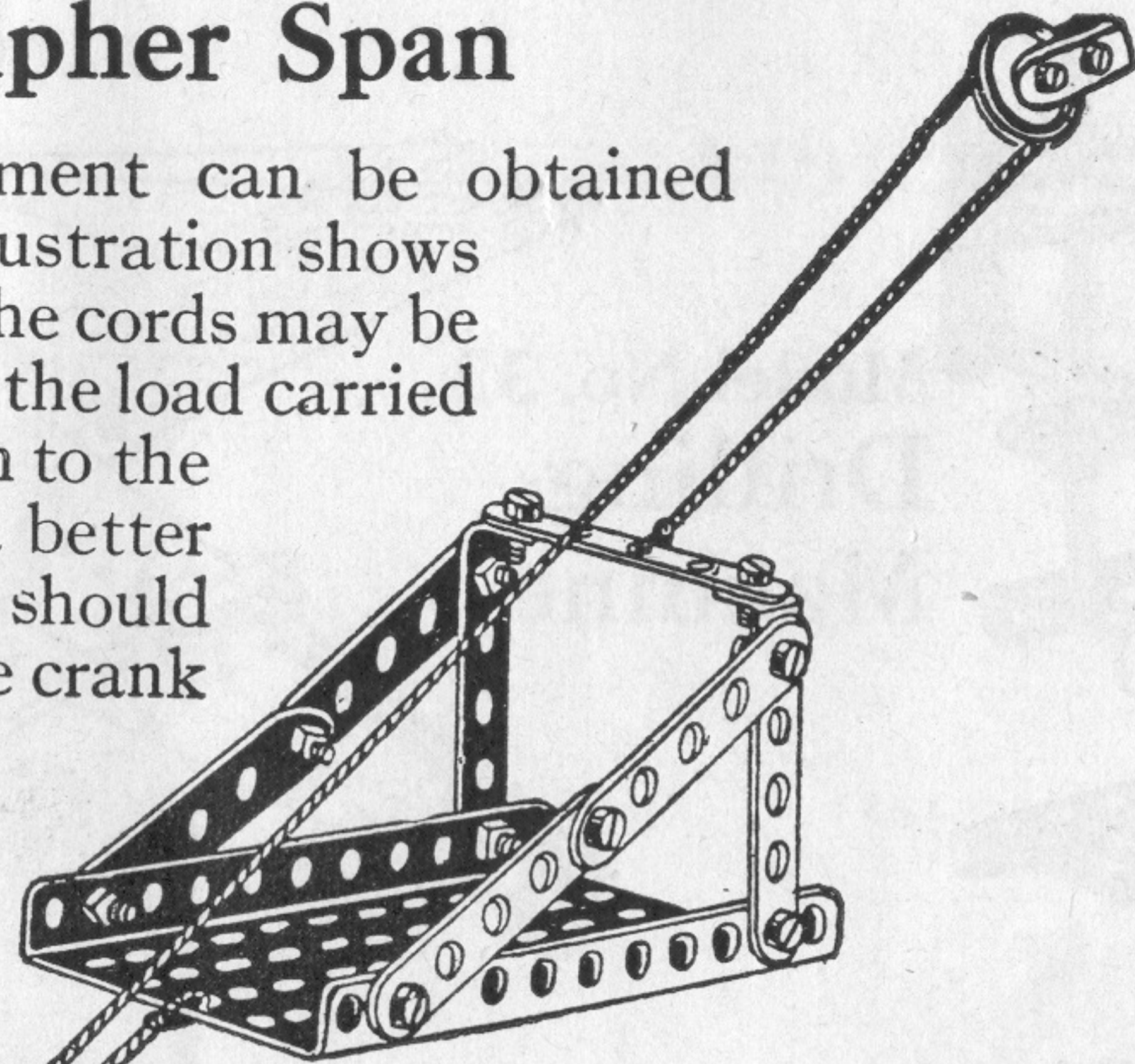
Model No. 38
Swivelling
Crane



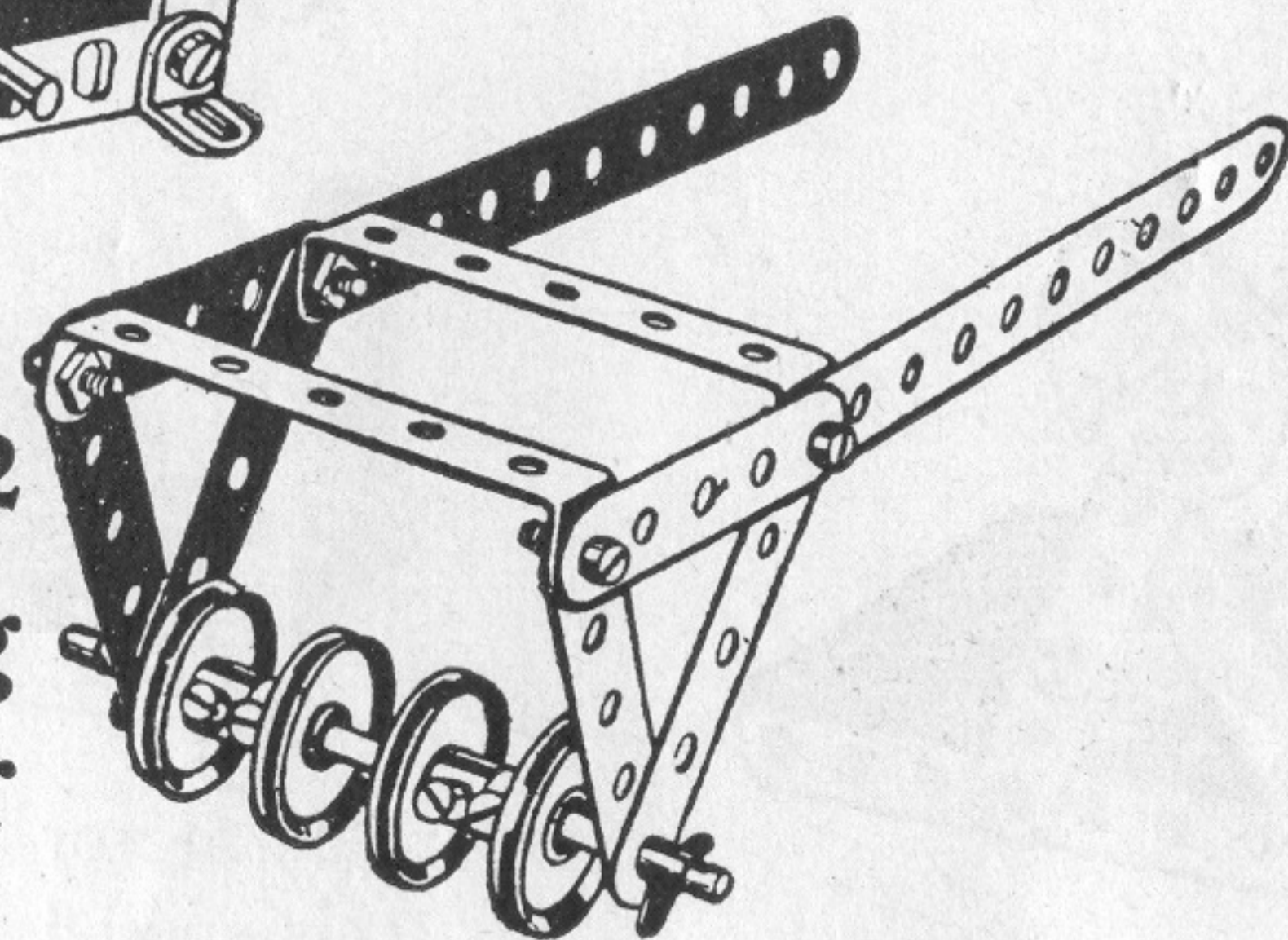
The sector plate of the Crane in this model is pivoted to the base.

Model No. 39 Telpher Span

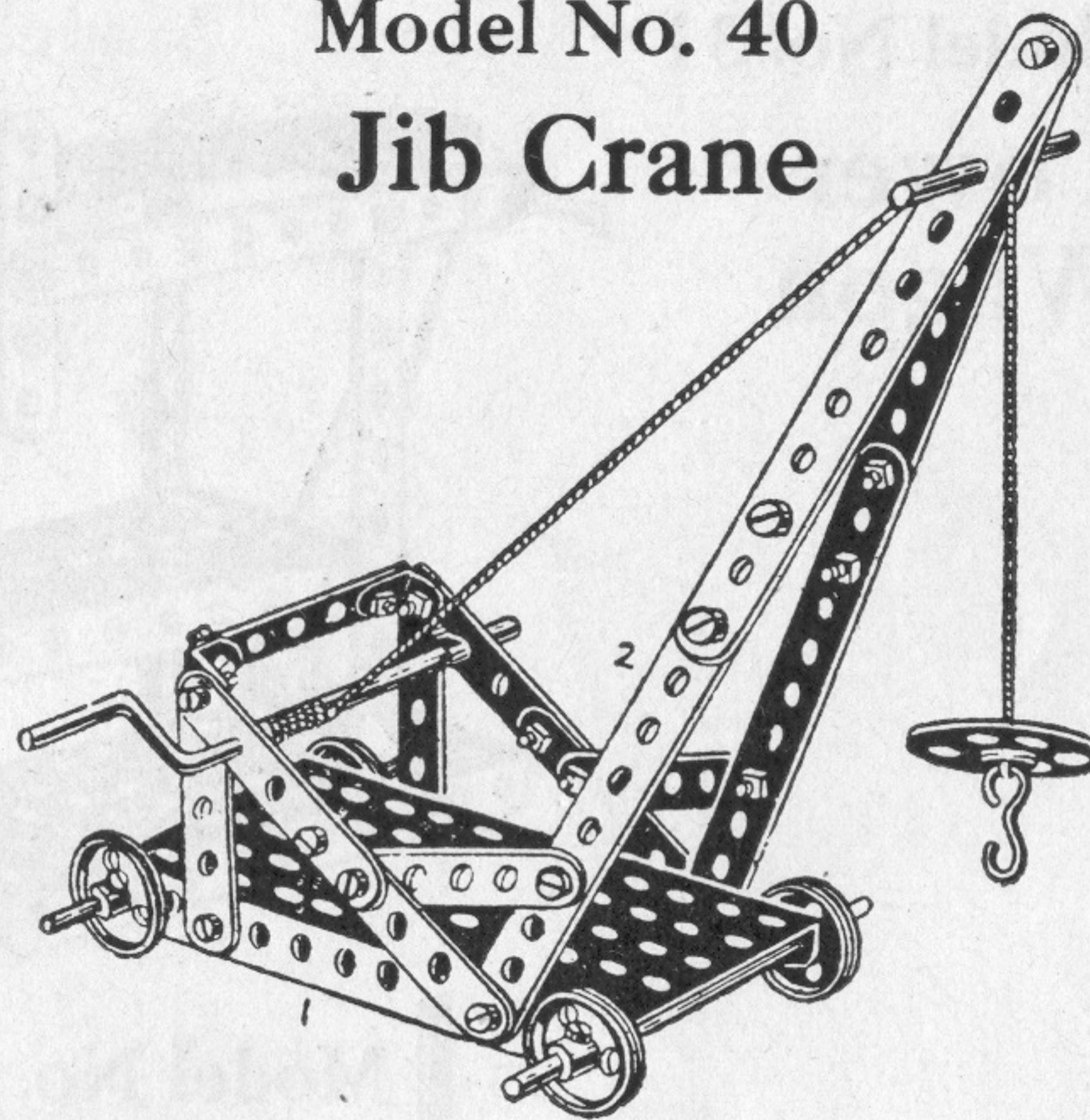
Many hours of enjoyment can be obtained from this model. The illustration shows just how it is worked. The cords may be made to any length, and the load carried from one side of the room to the other. In order to give a better grip, the operating cord should be wound twice round the crank handle pulley. The body of the telpher should be screwed down on to a solid base with ordinary wood screws, and the pulley bracket screwed in a suitable position on the opposite side of the room.



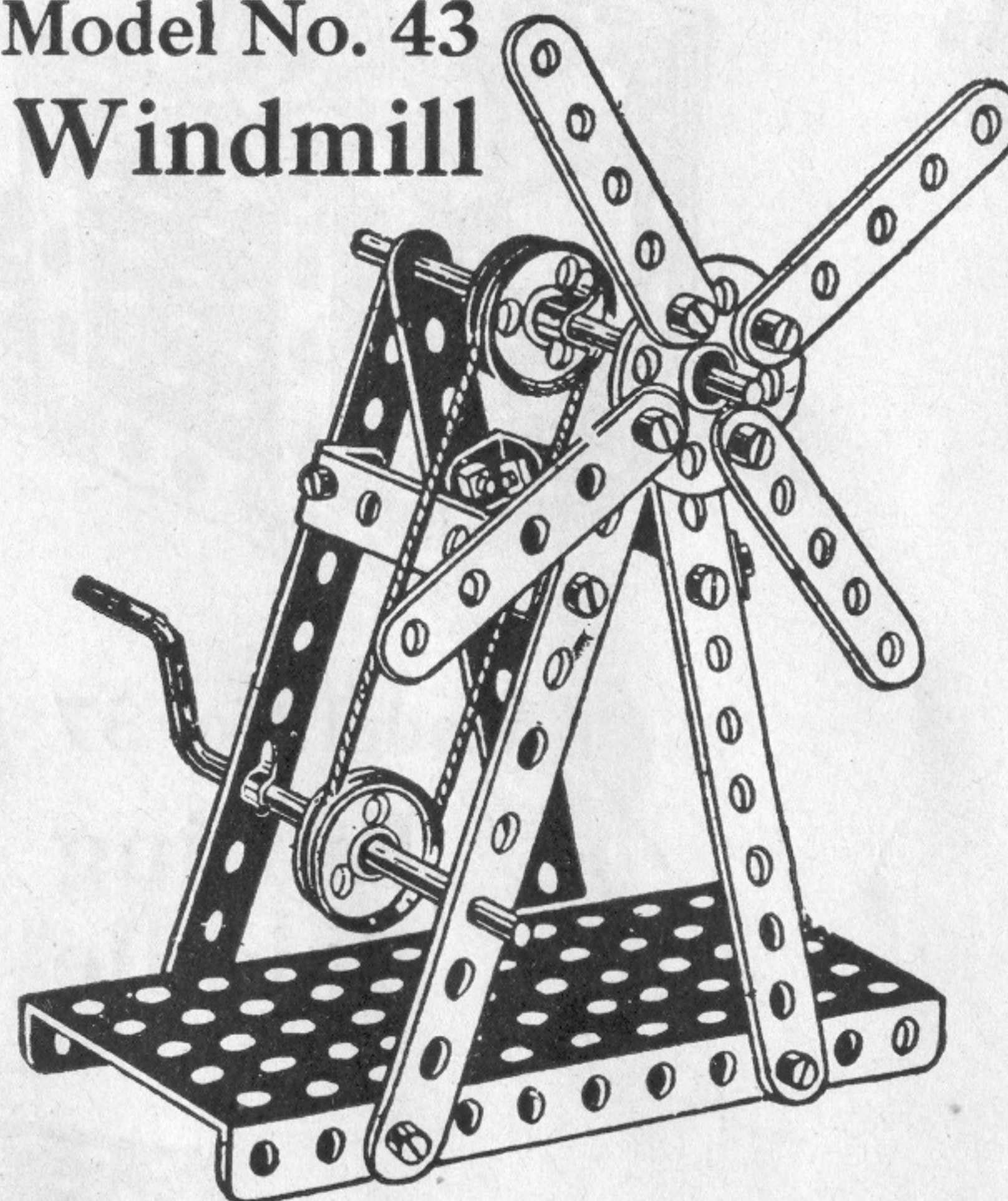
Model No. 42
Furrowing
Roller



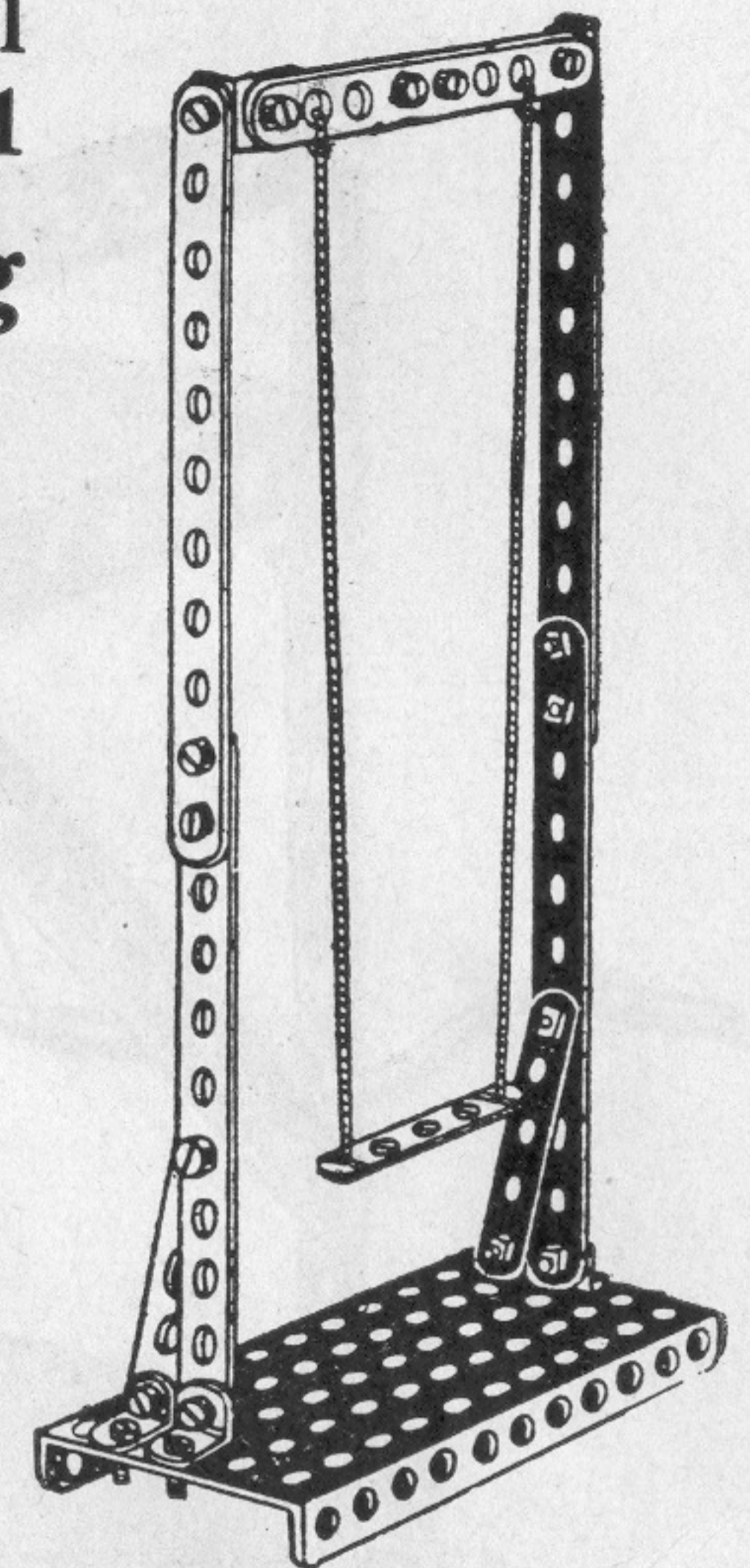
Model No. 40
Jib Crane



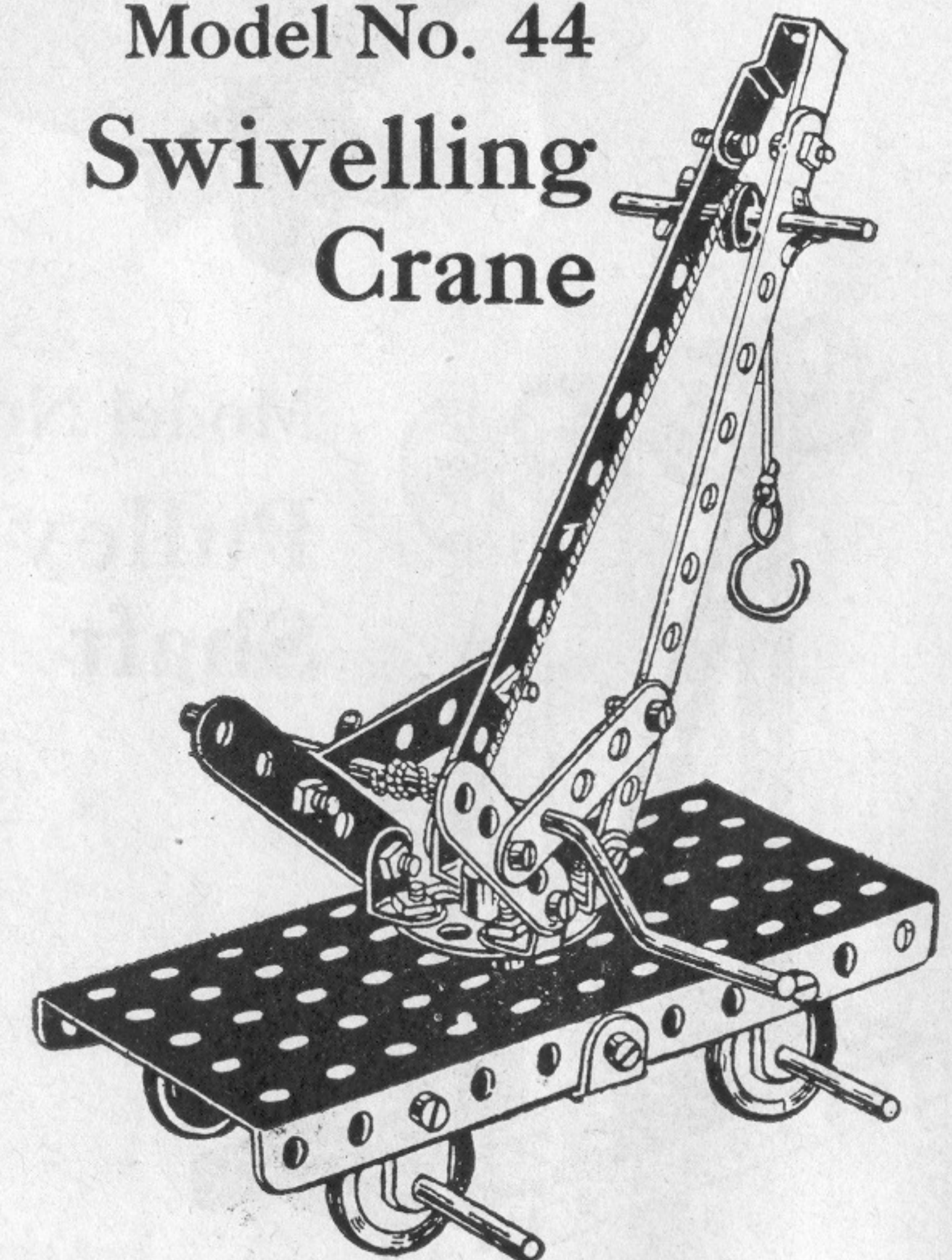
Model No. 43
Windmill



Model
No. 41
Swing



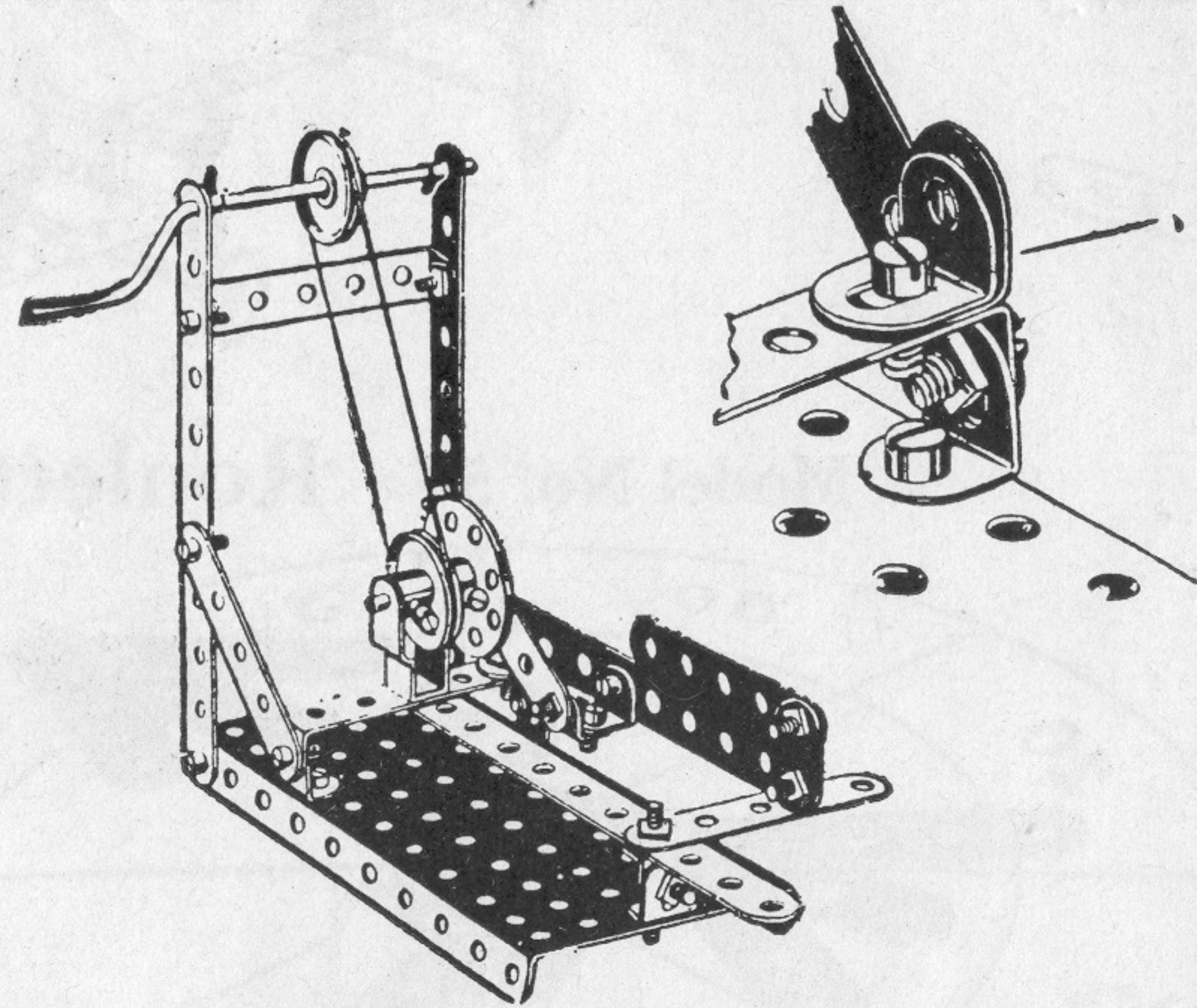
Model No. 44
Swivelling
Crane



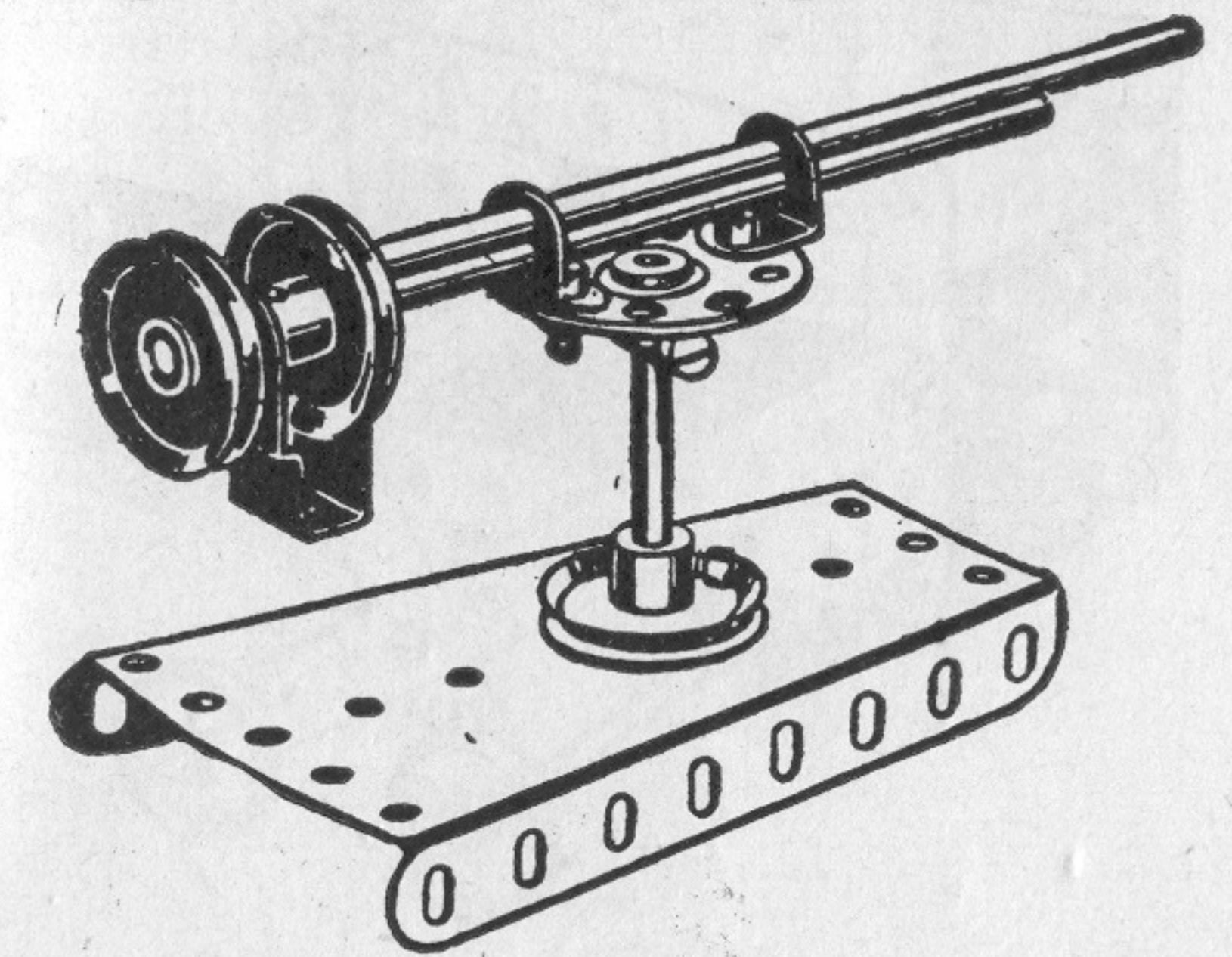
Model No. 45
**Anti-Aircraft
Gun**



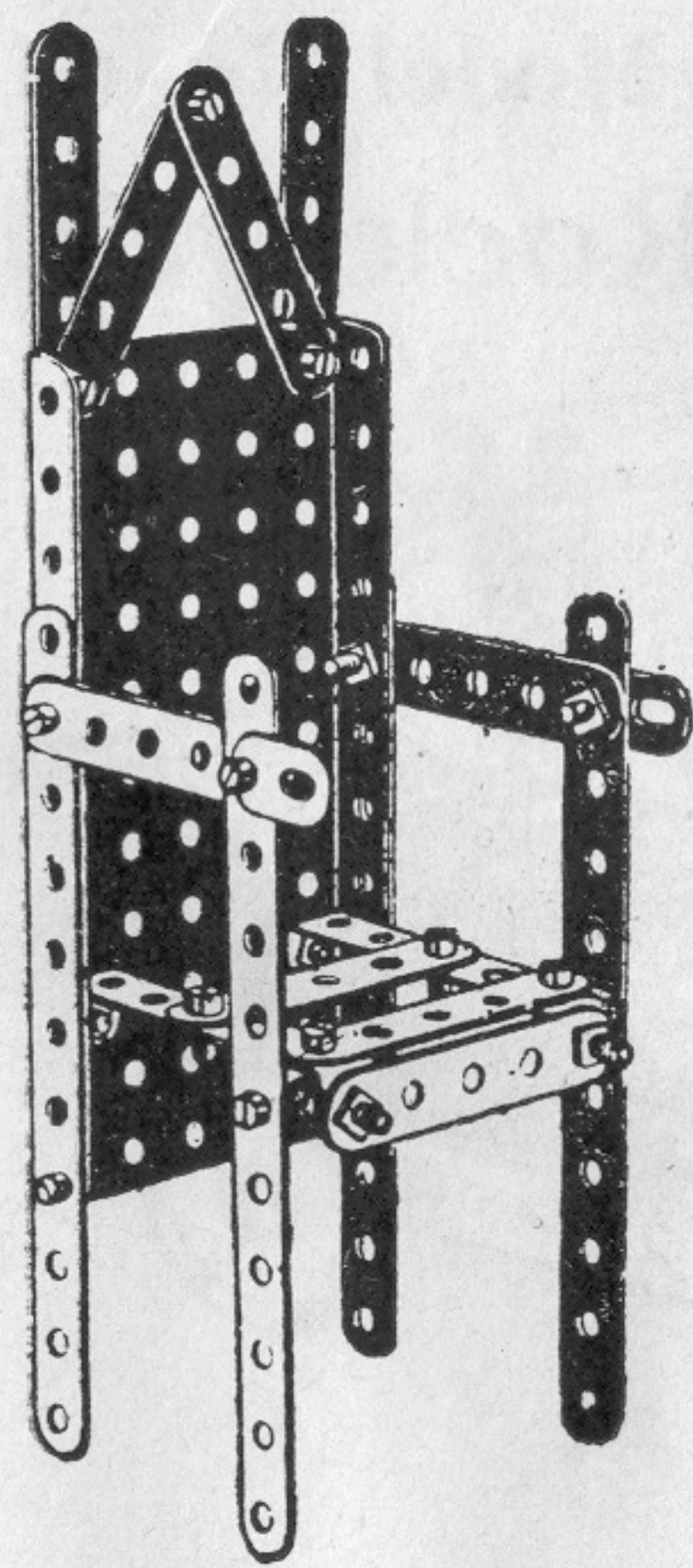
Model No. 46
Sawing Machine



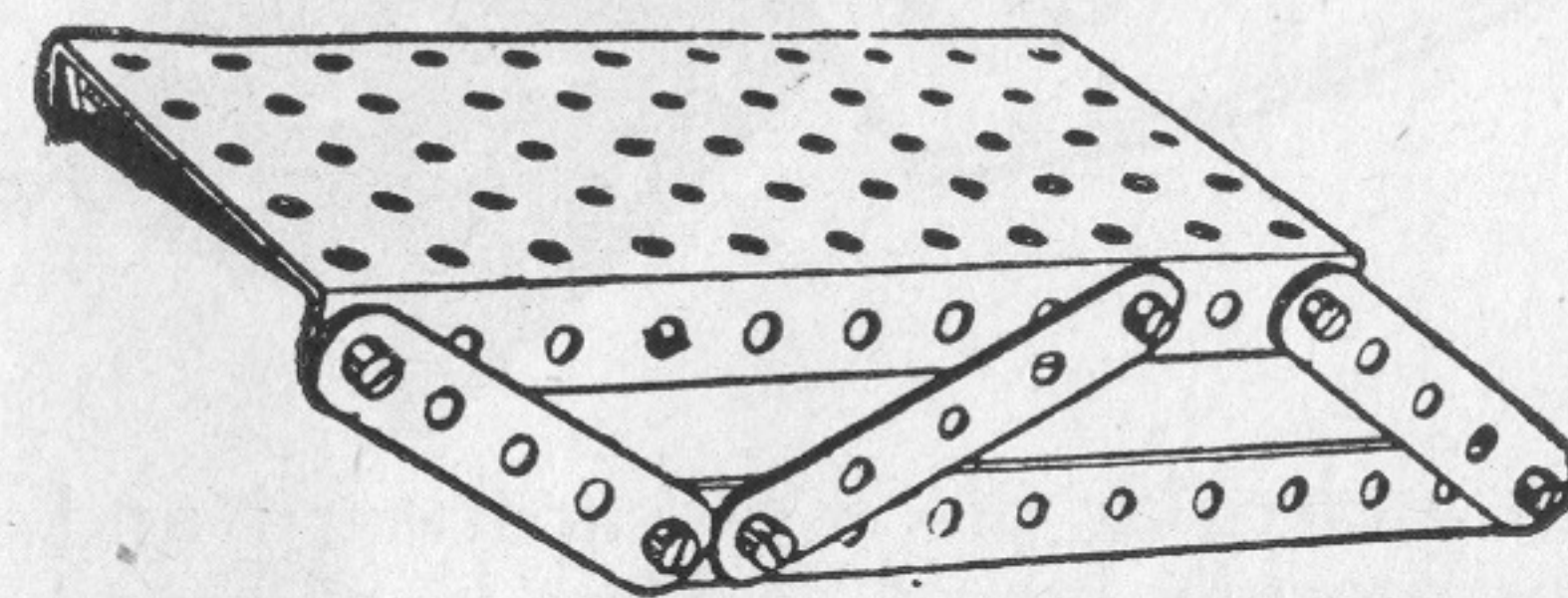
Model No. 47
Quick-Firing Gun



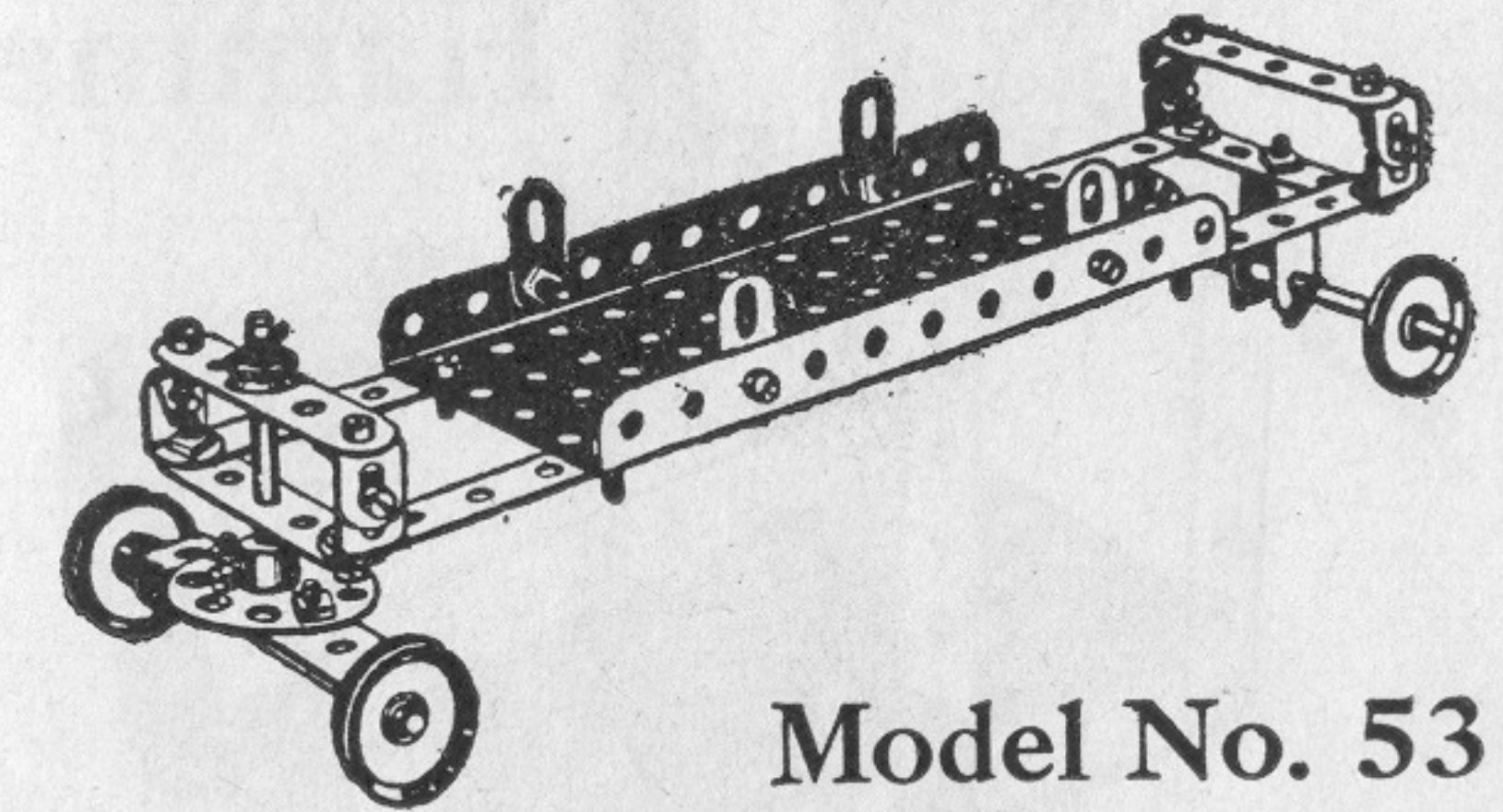
Model No. 48
Coronation Chair



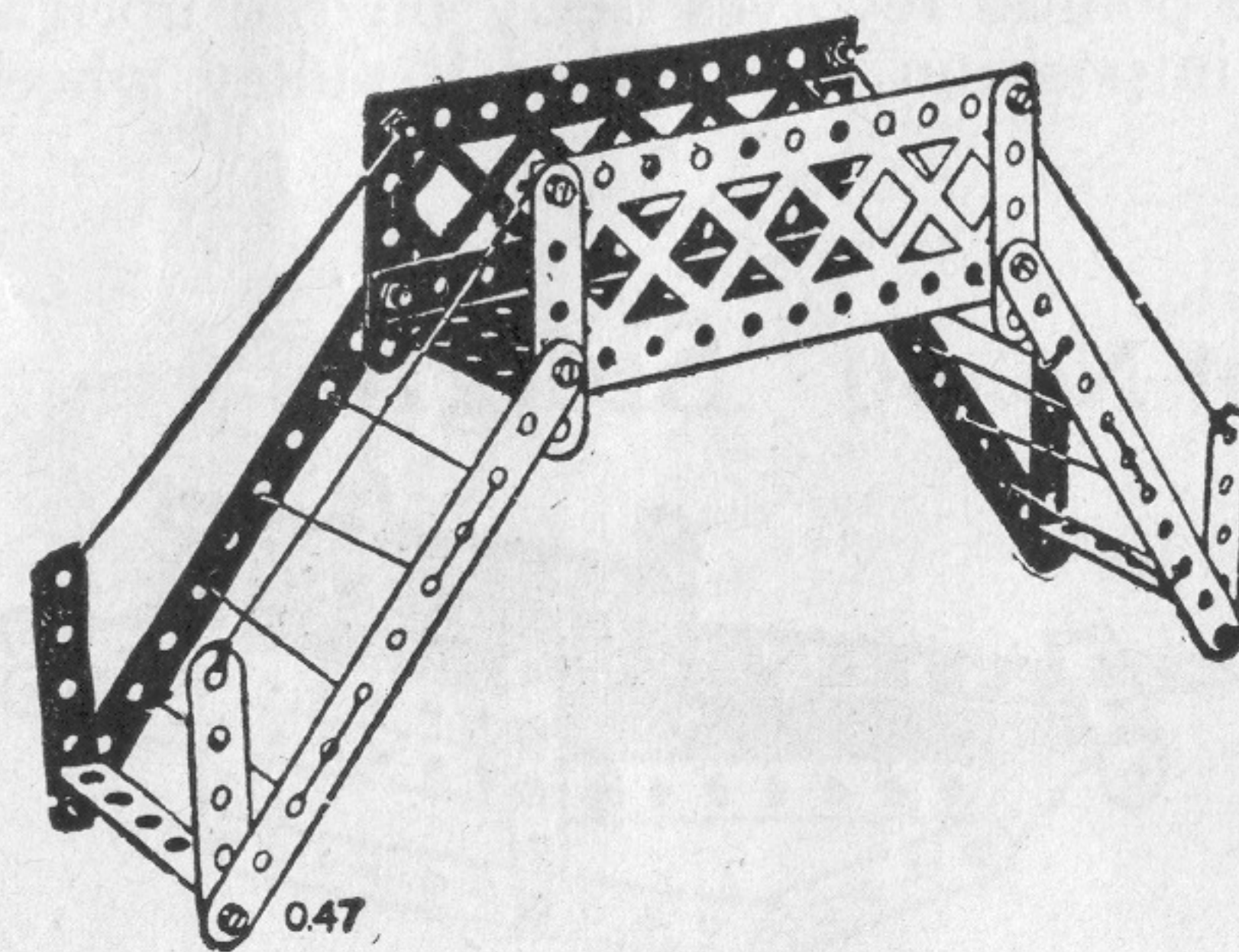
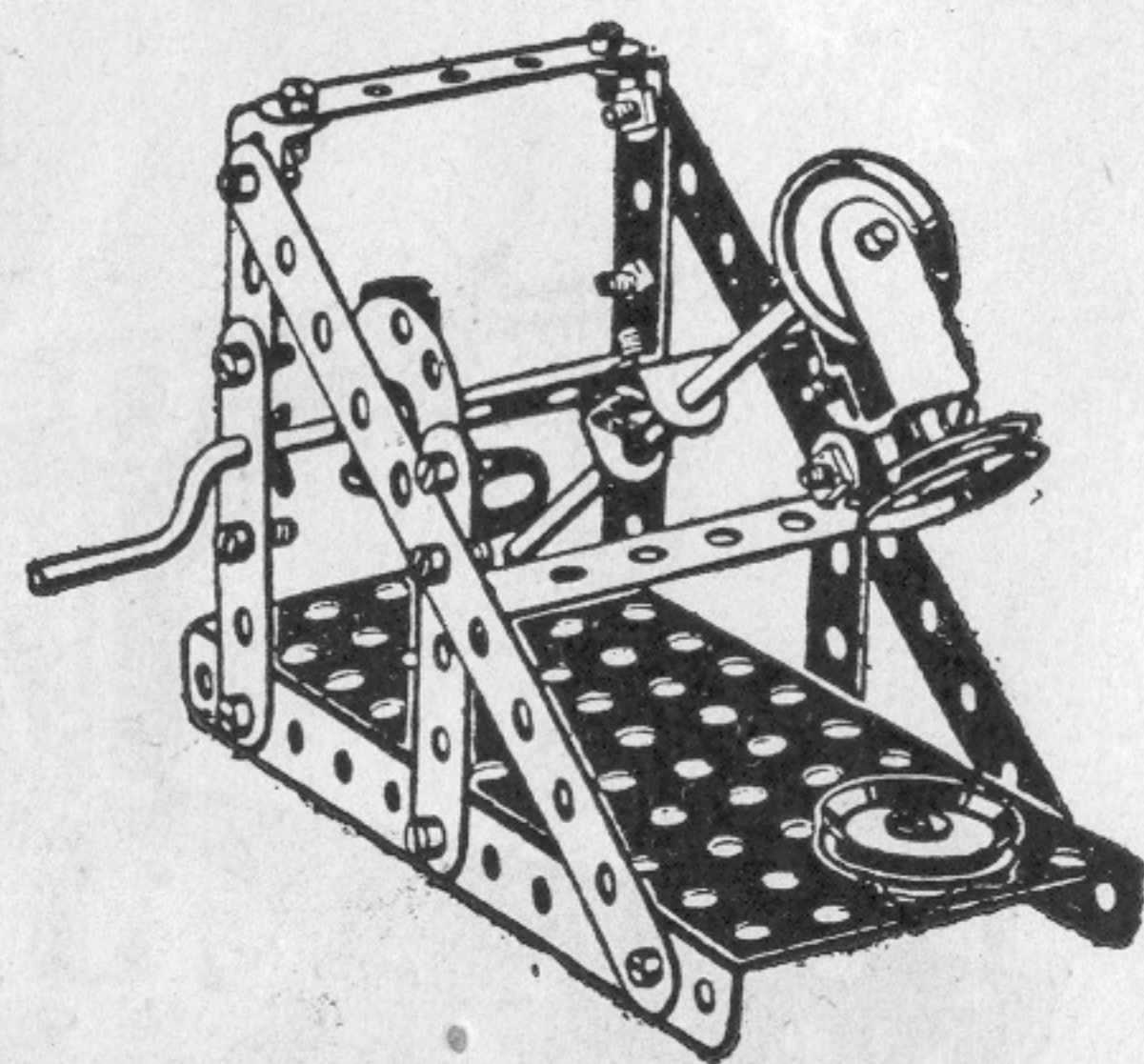
Model No. 50
Sleigh



Model No. 51
Boiler Truck

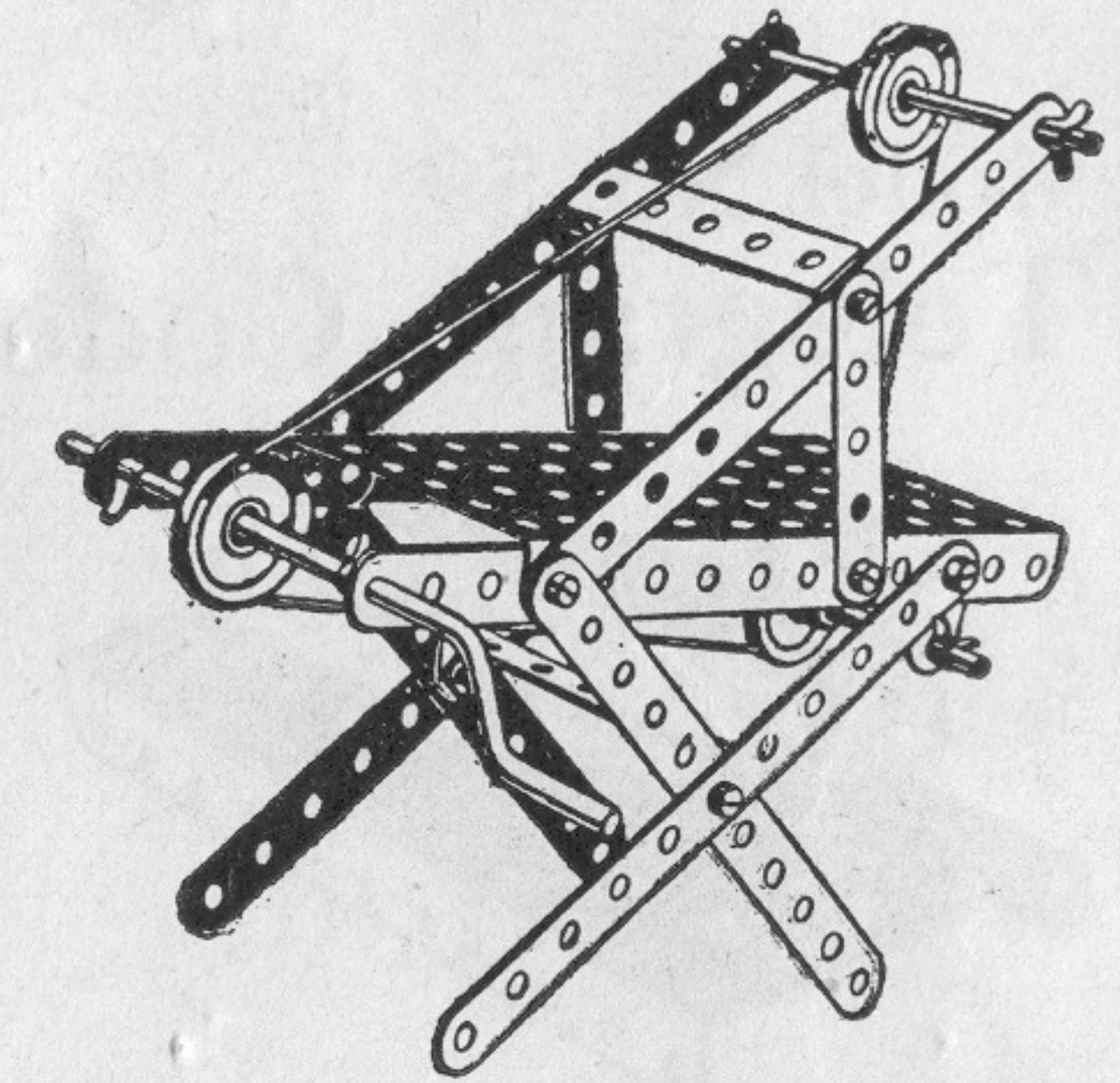


Model No. 49
**Mechanical
Hammer**



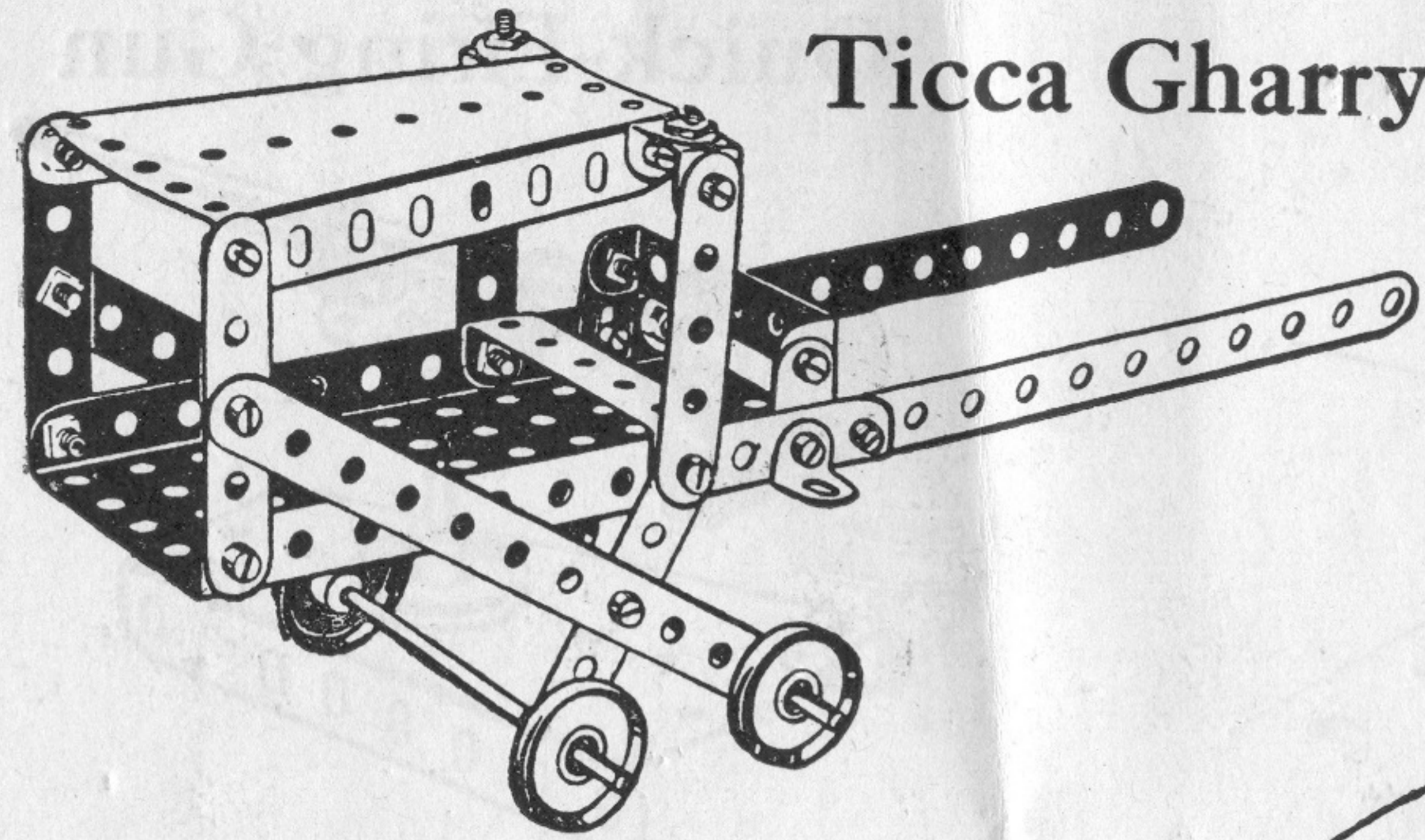
Model No. 52
**High Level
Bridge**

Model No. 53
Band Saw



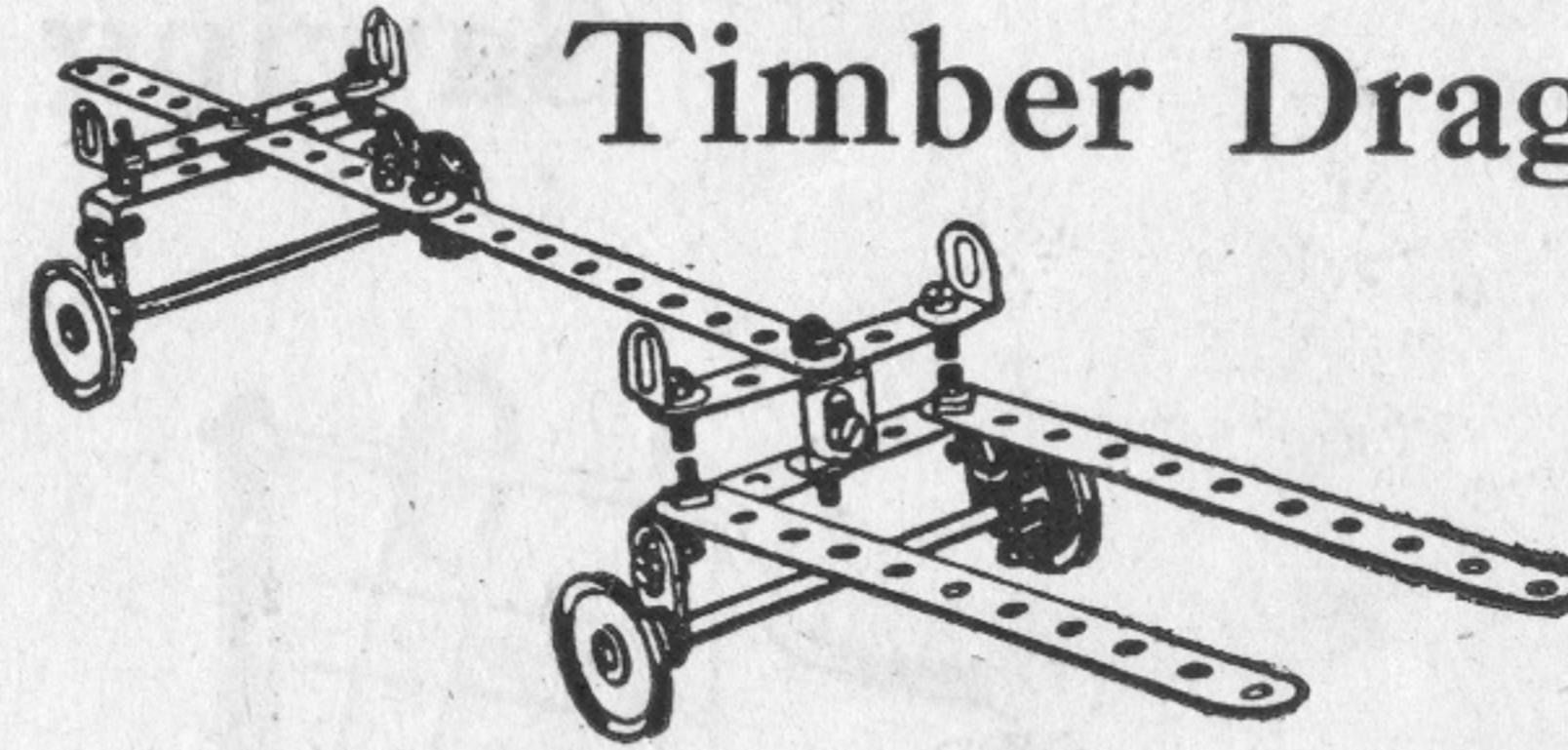
Model No. 54

Ticca Gharry

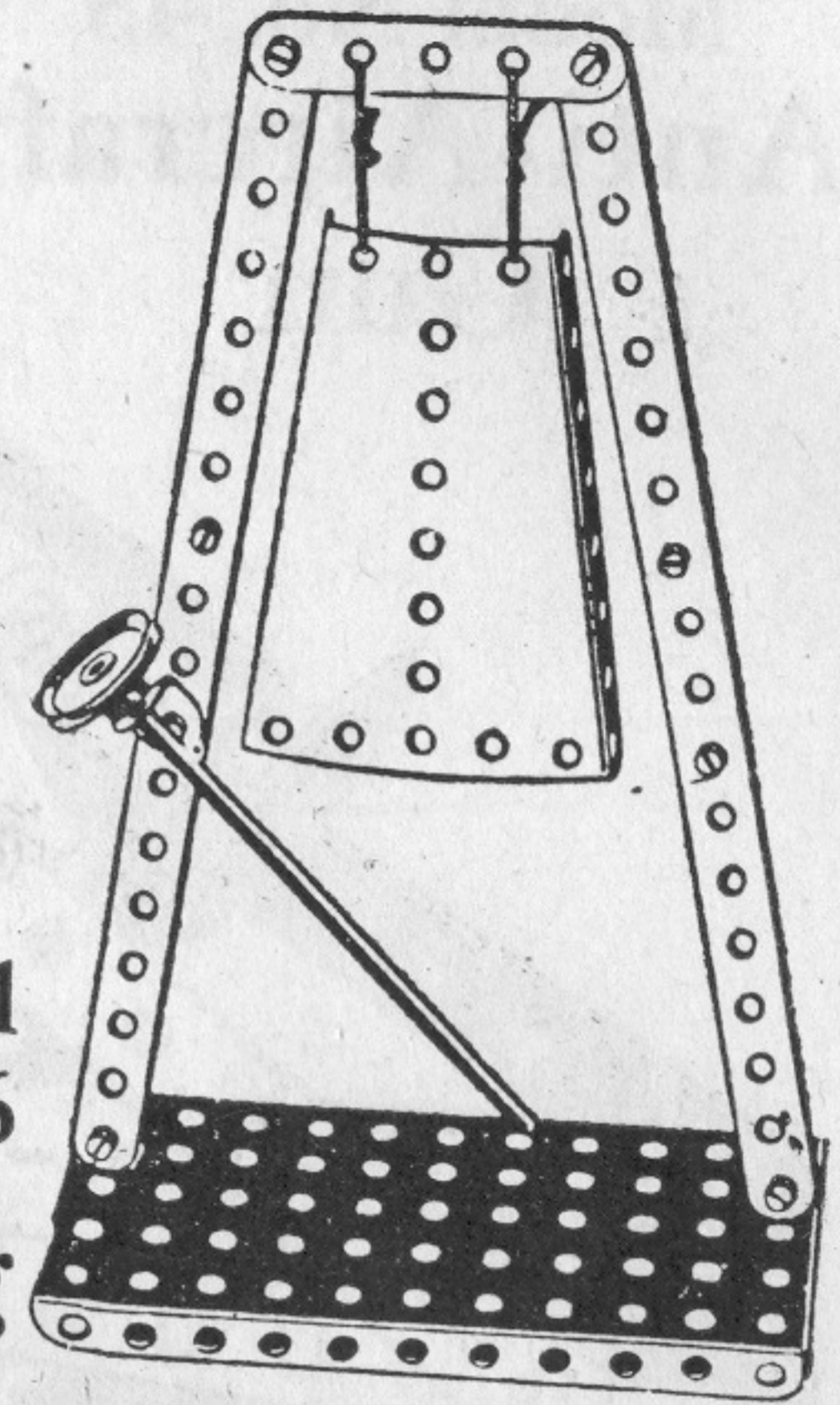


Model No. 55

Timber Drag

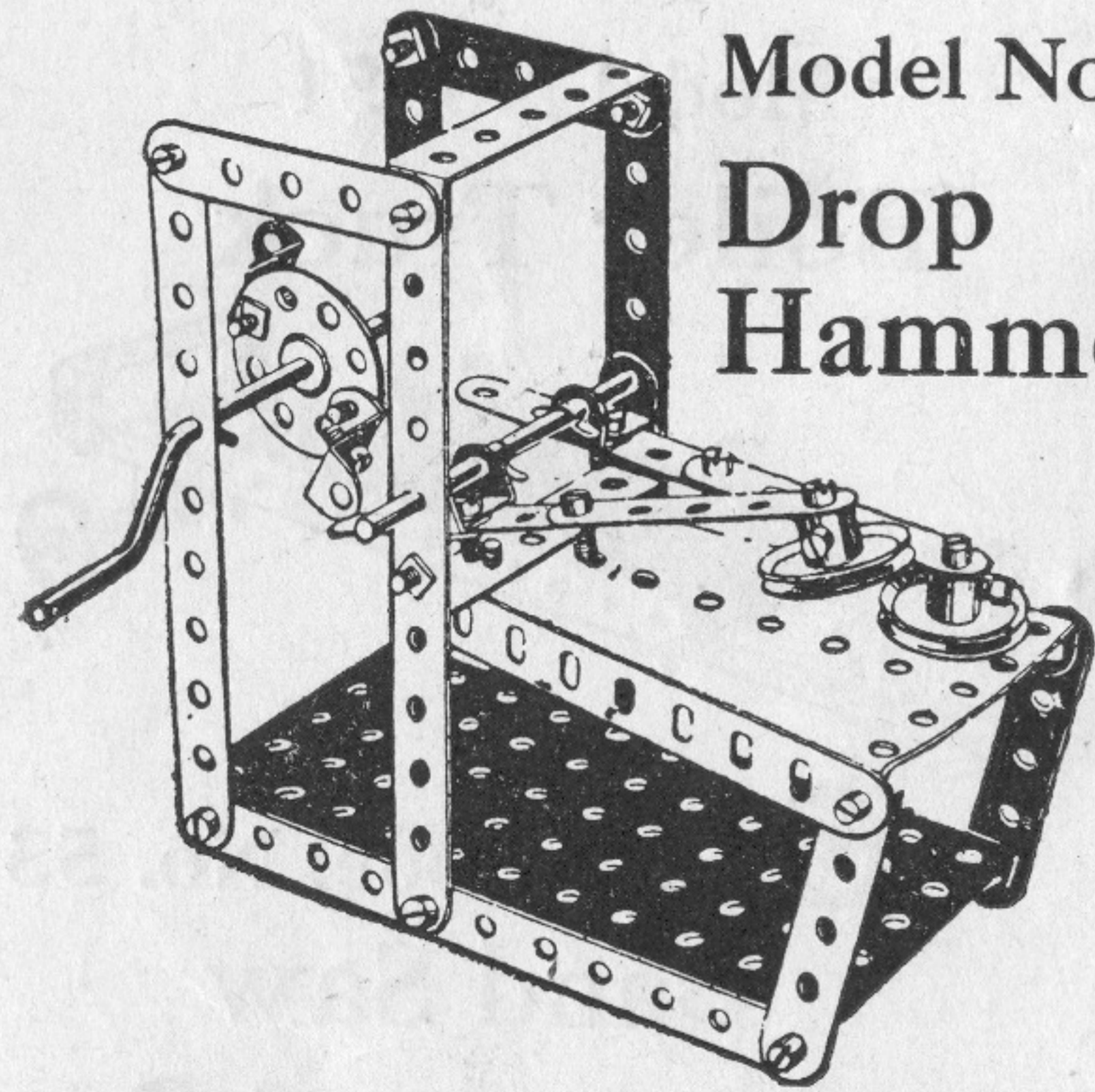


Model No. 56
Gong

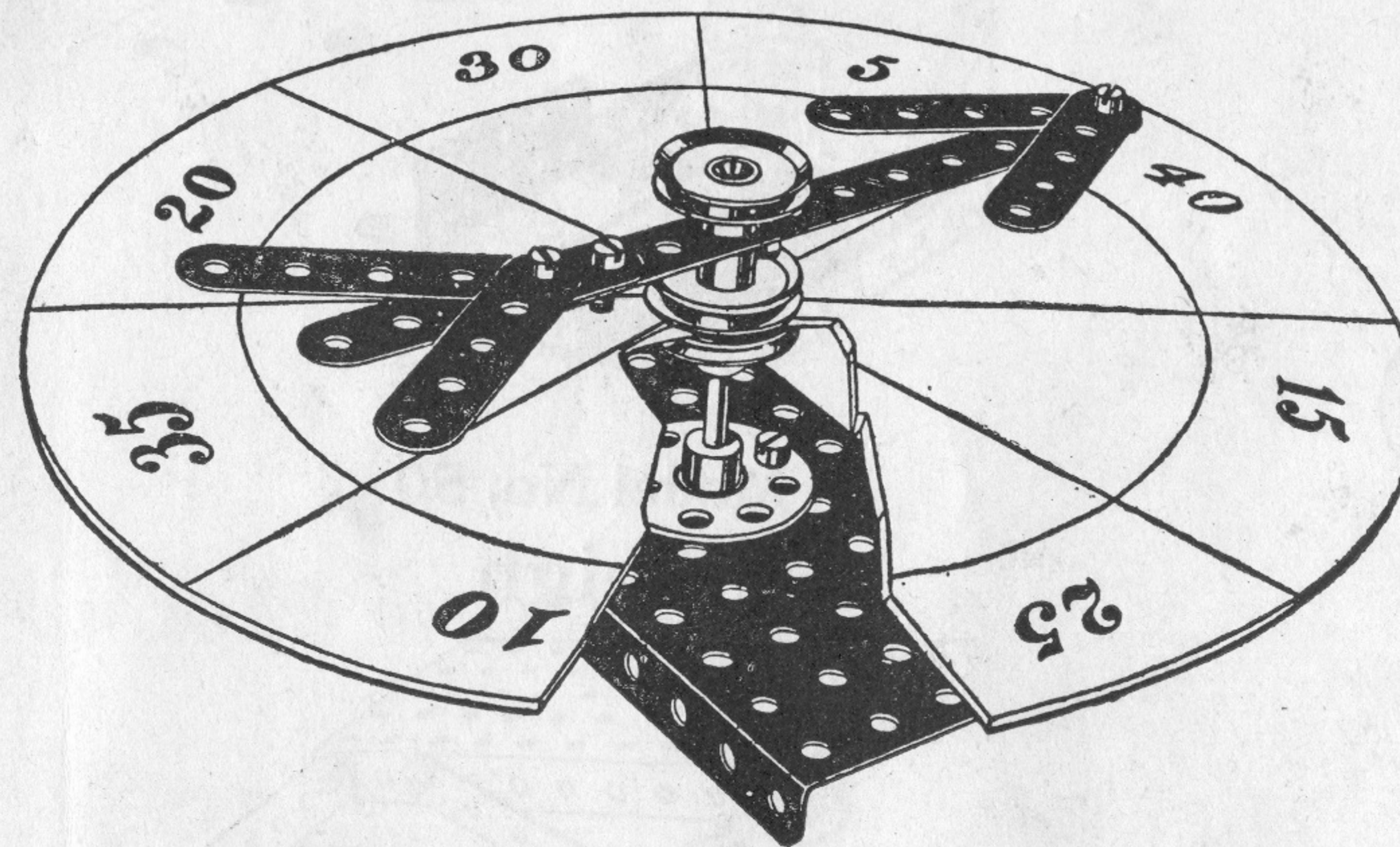


Model No. 58

Drop
Hammer



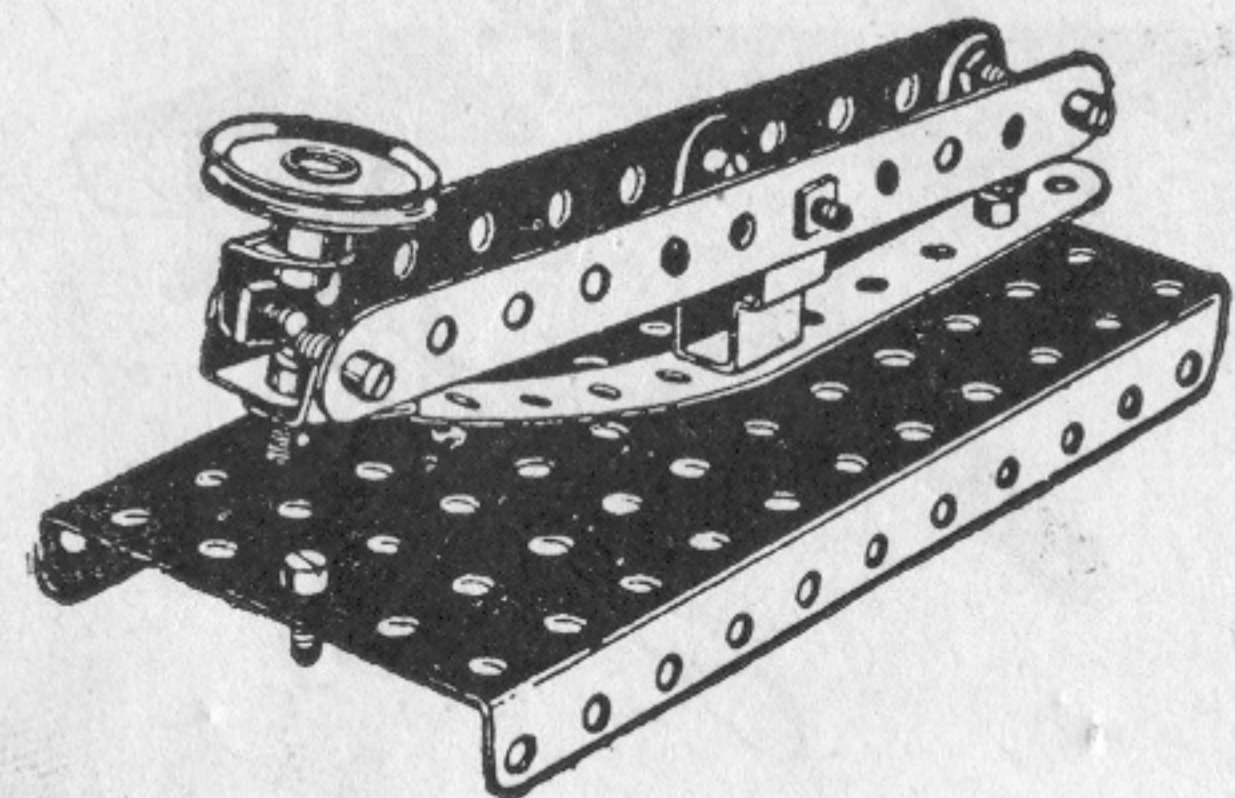
Model No. 57 Roulette



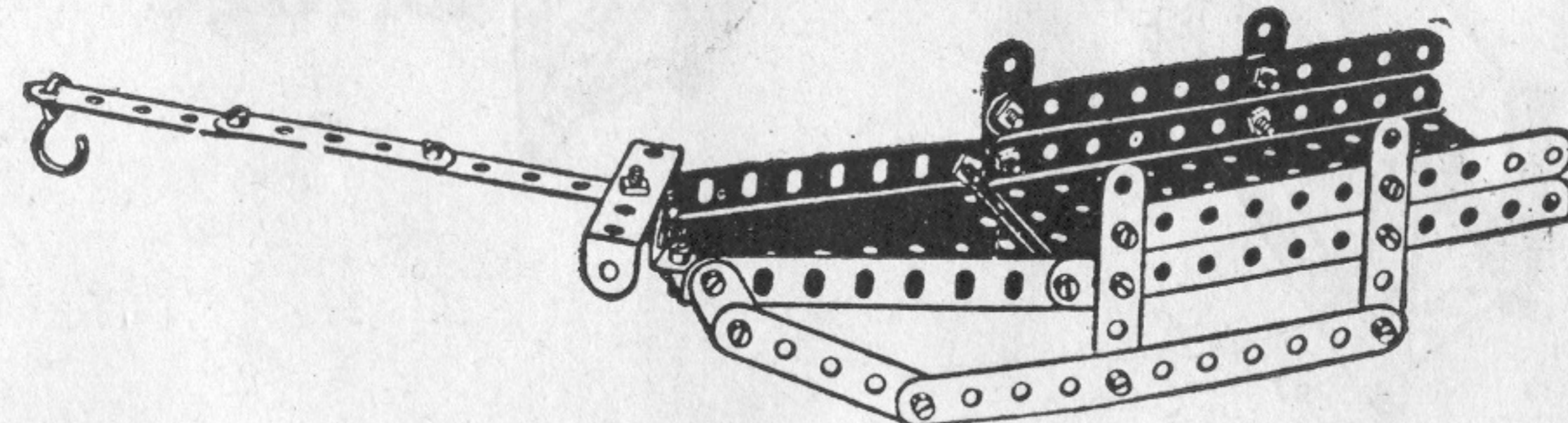
Cut out a circular piece of cardboard and mark as shown to form scoring board. This is clamped between two 1" pulley wheels. The pointer revolves freely on the upright spindle and is held in position by another 1" pulley wheel.

Model No. 59

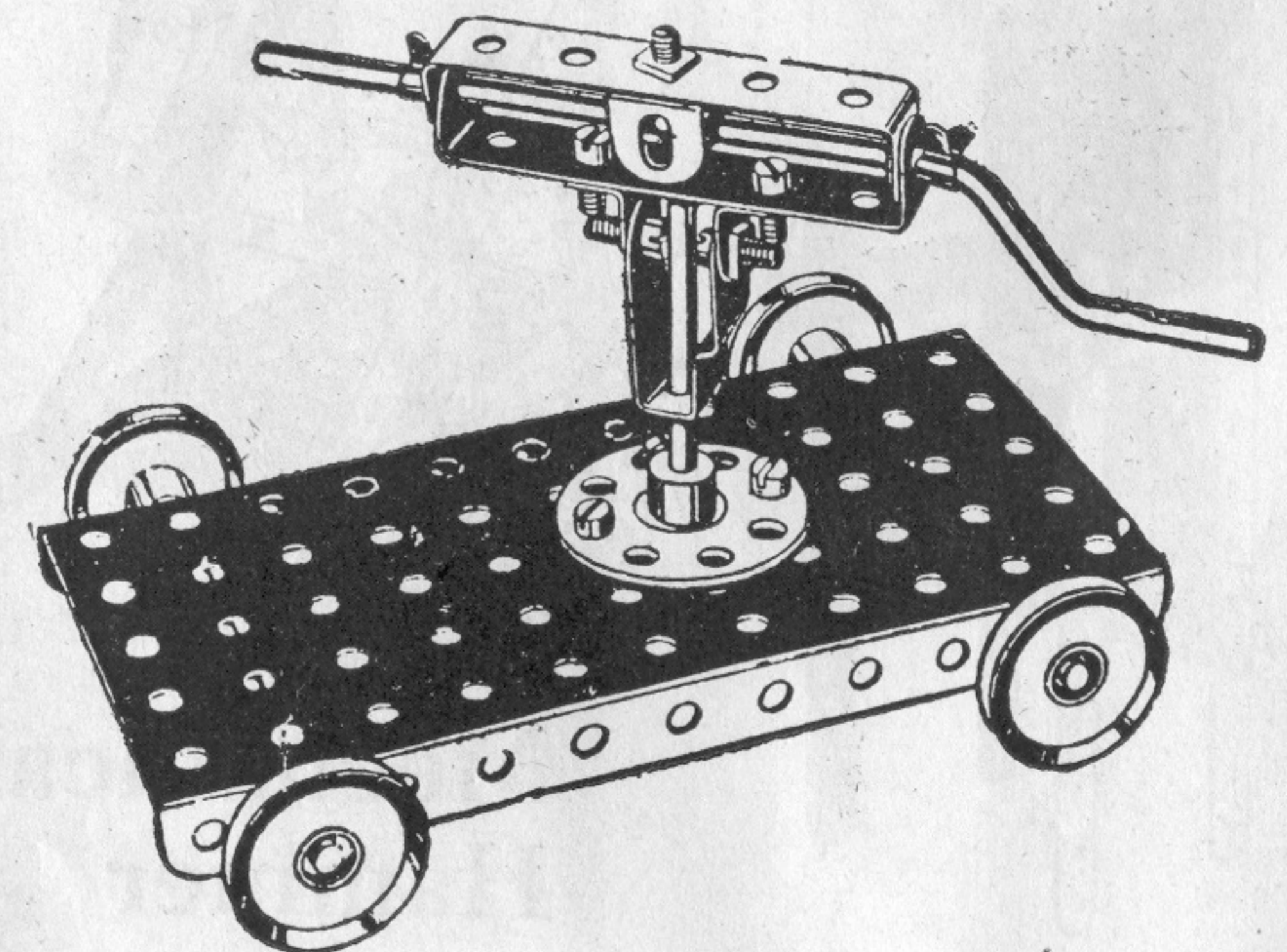
Telegraph Code Key



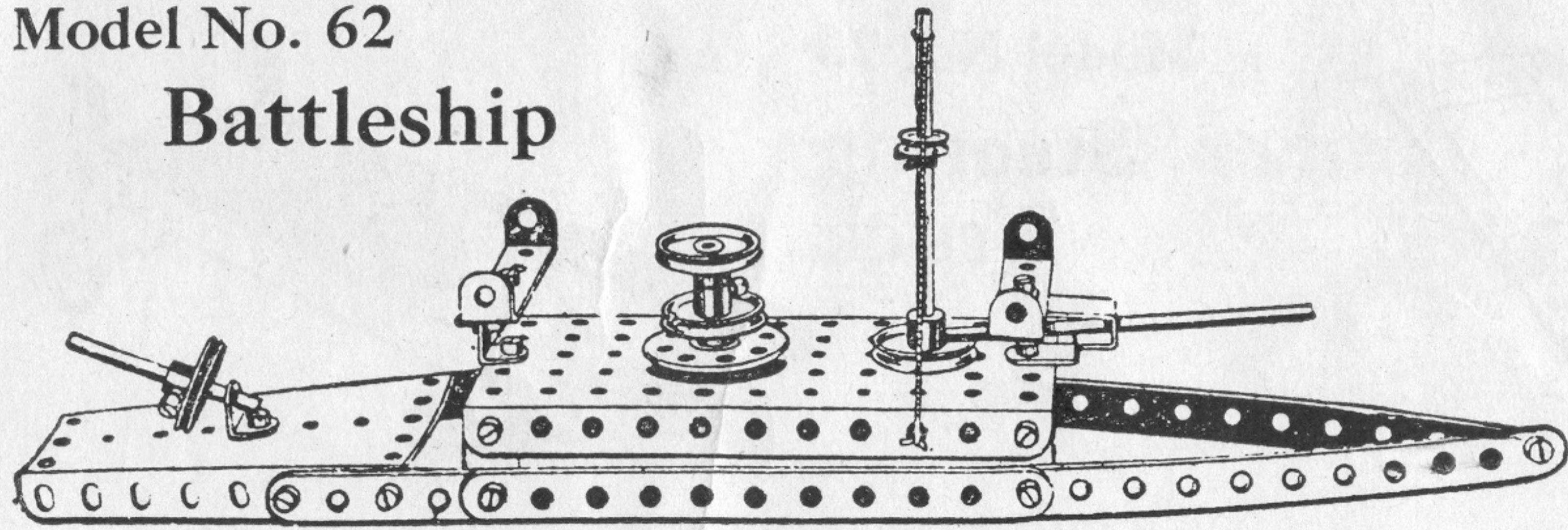
Model No. 60 Sleigh



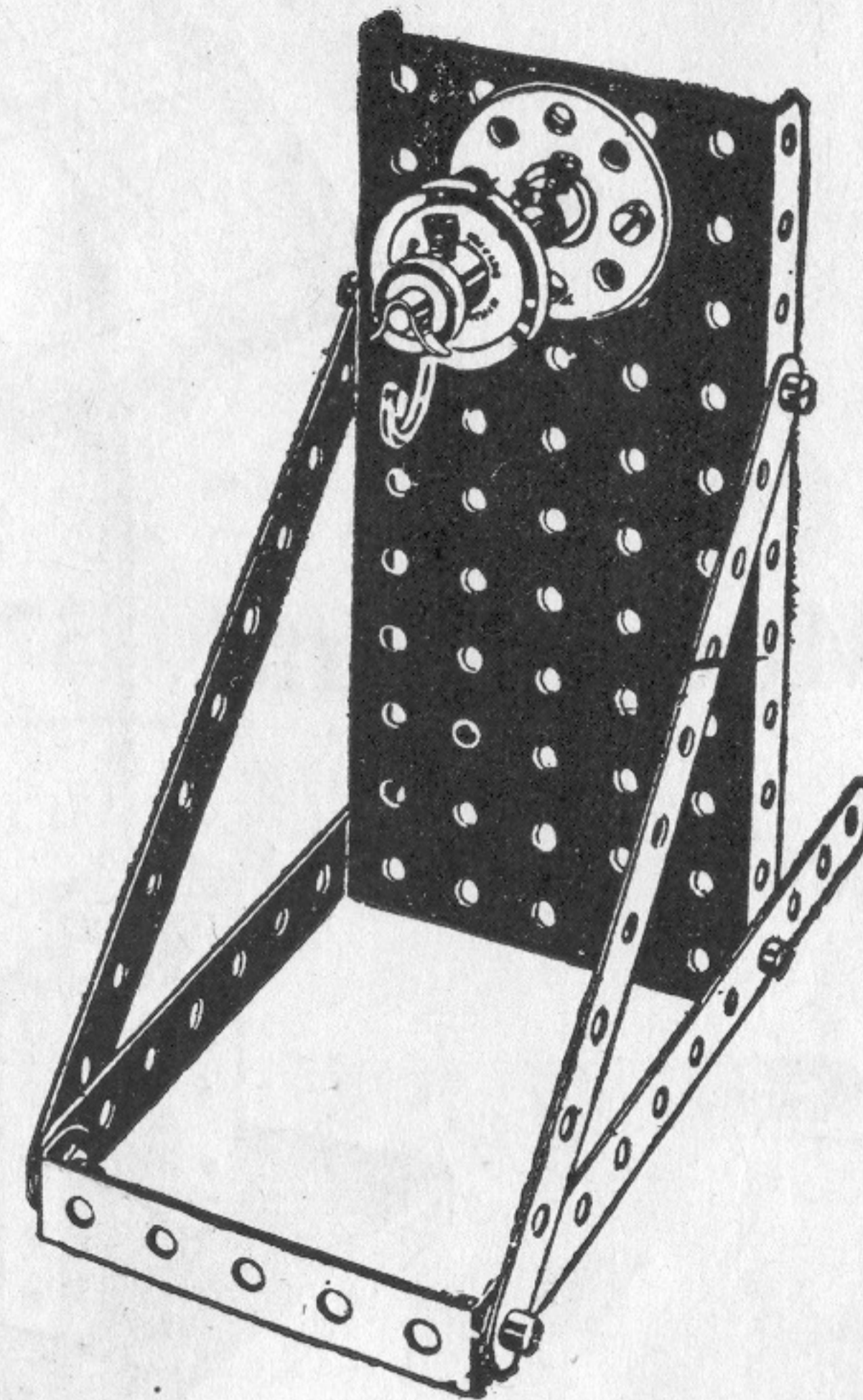
Model No. 61
Rock Drill



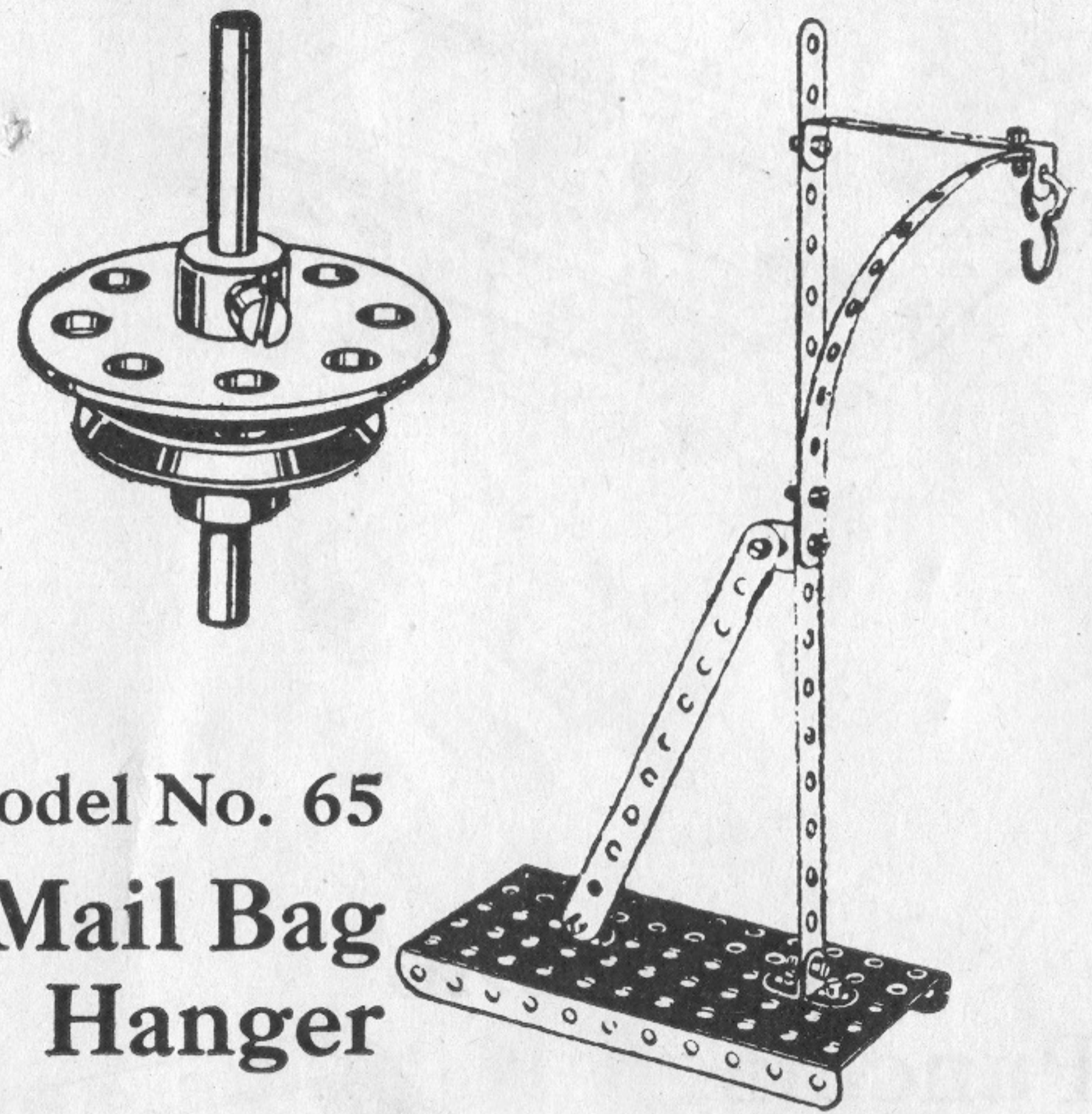
Model No. 62
Battleship



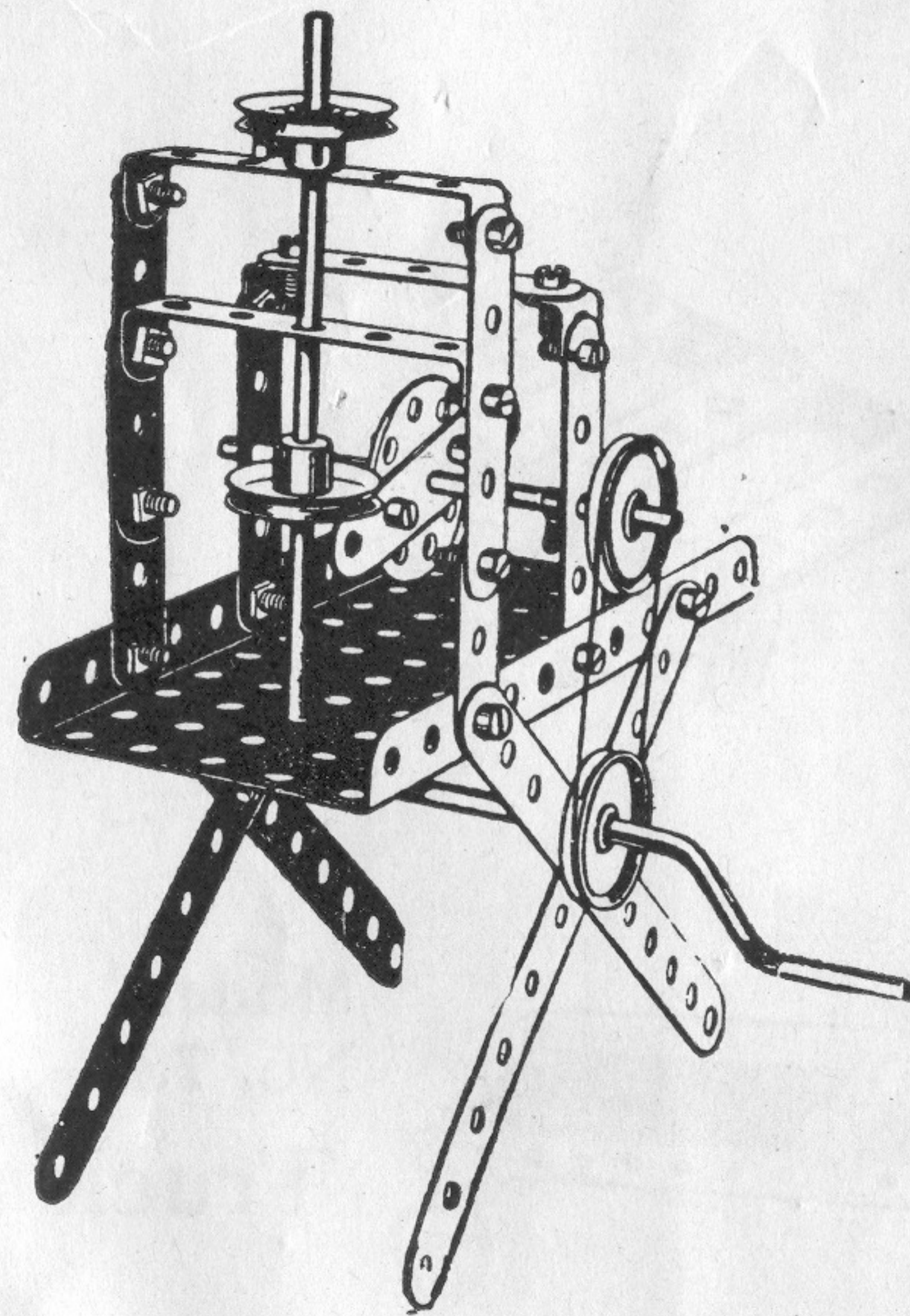
Model No. 63
Watch Stand



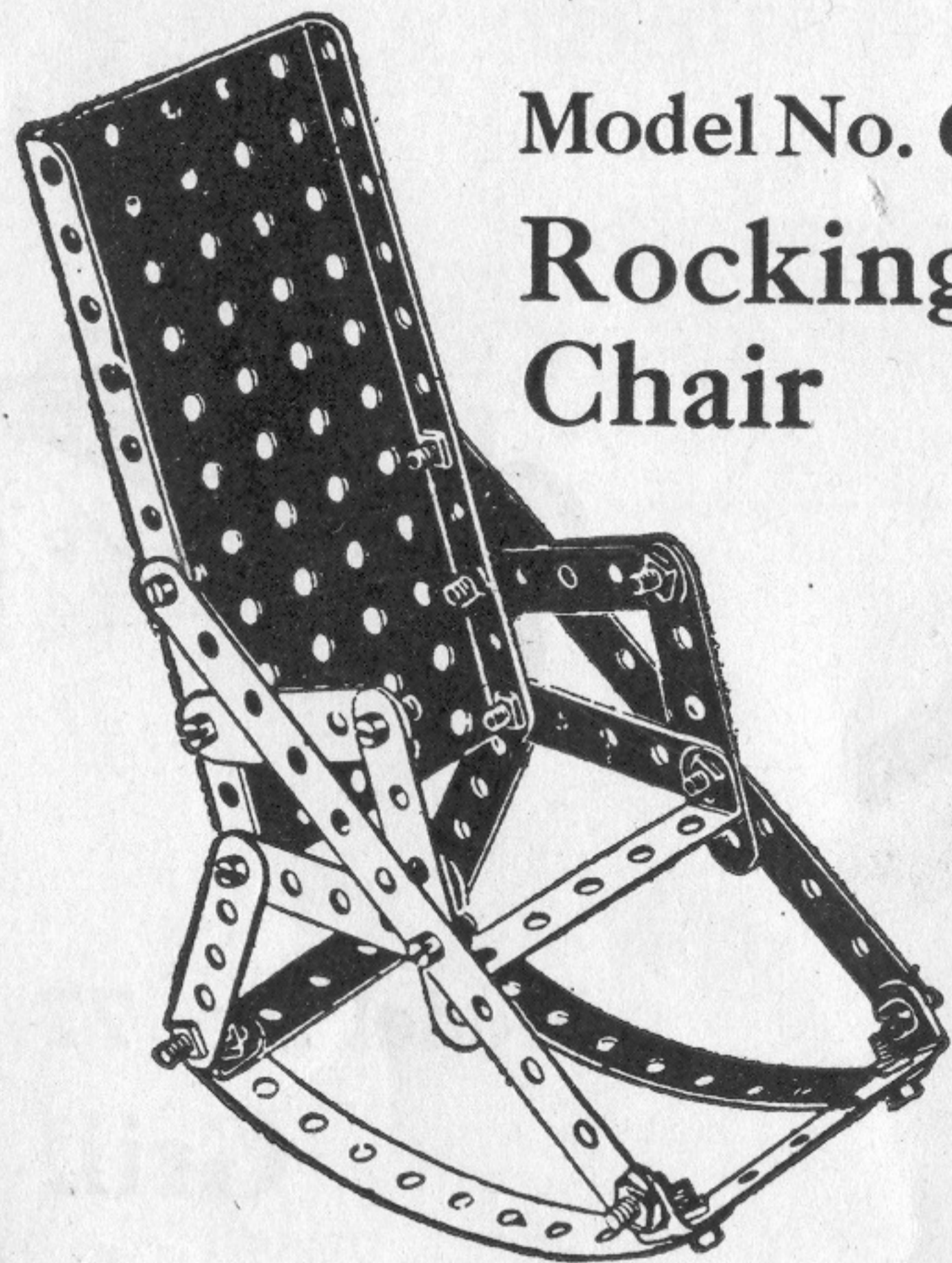
Model No. 64
Spinning Top



Model No. 66
Stamping Machine

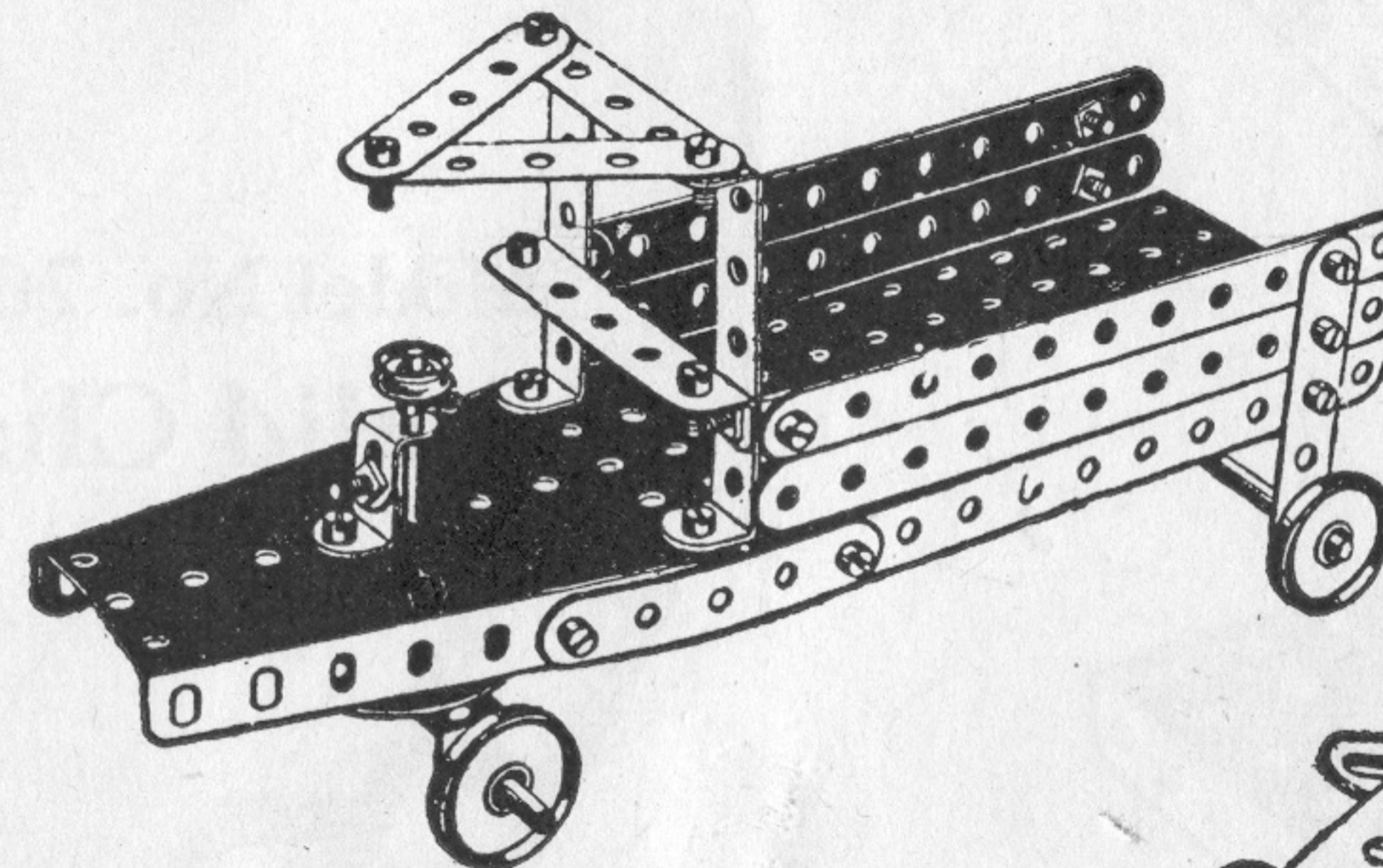


Model No. 67
Rocking Chair

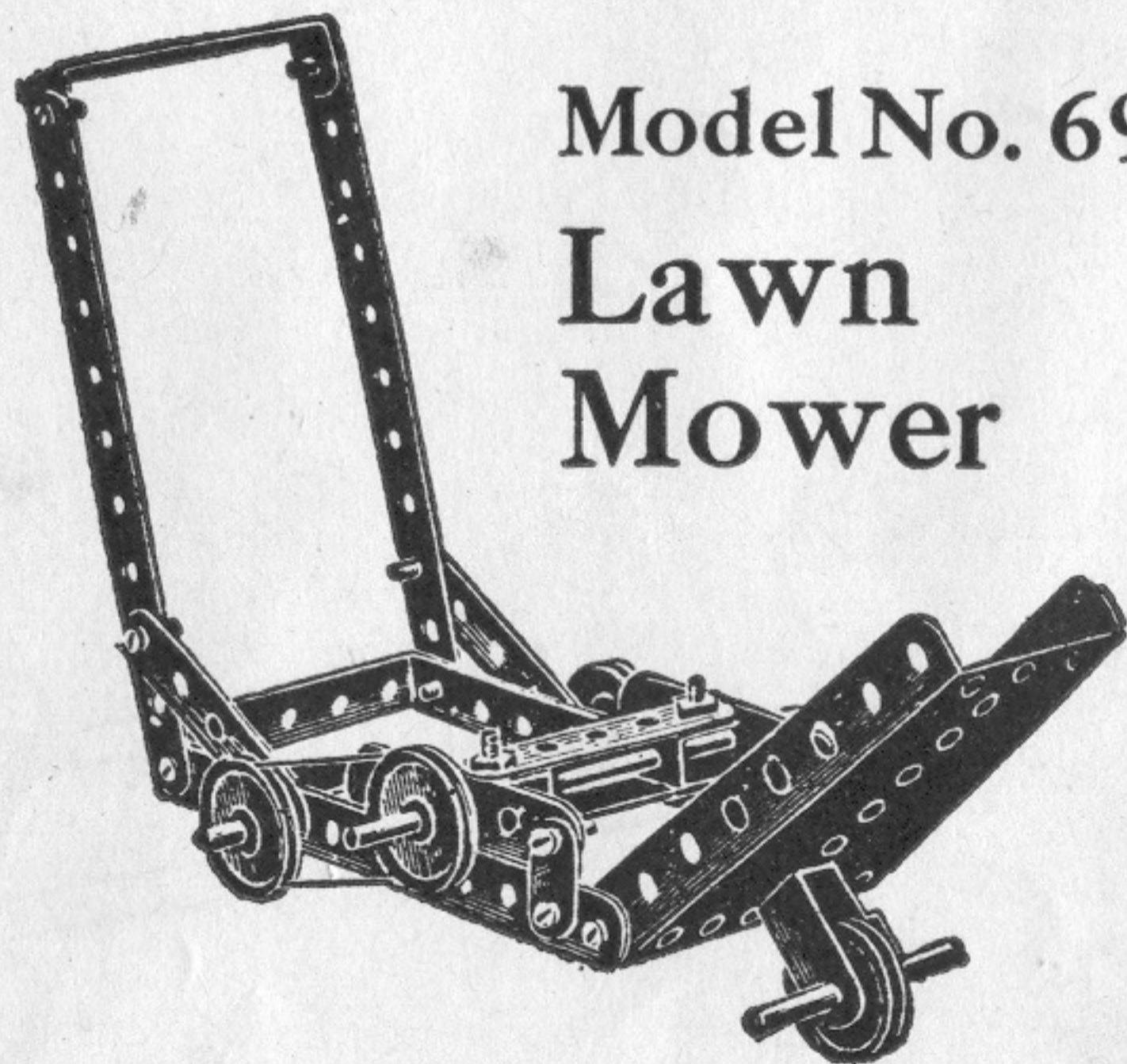


Model No. 65
Mail Bag Hanger

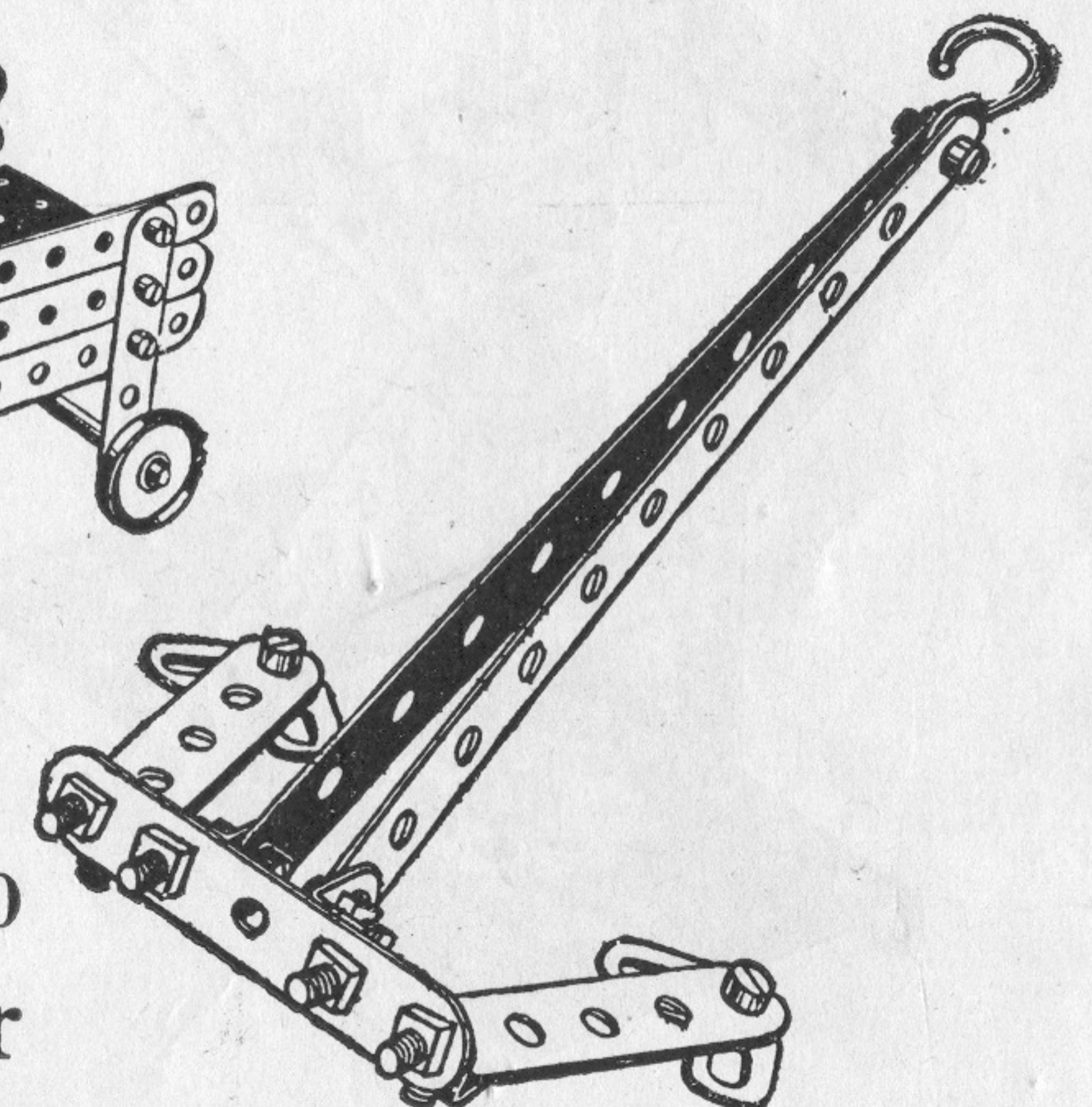
Model No. 68 Motor Lorry



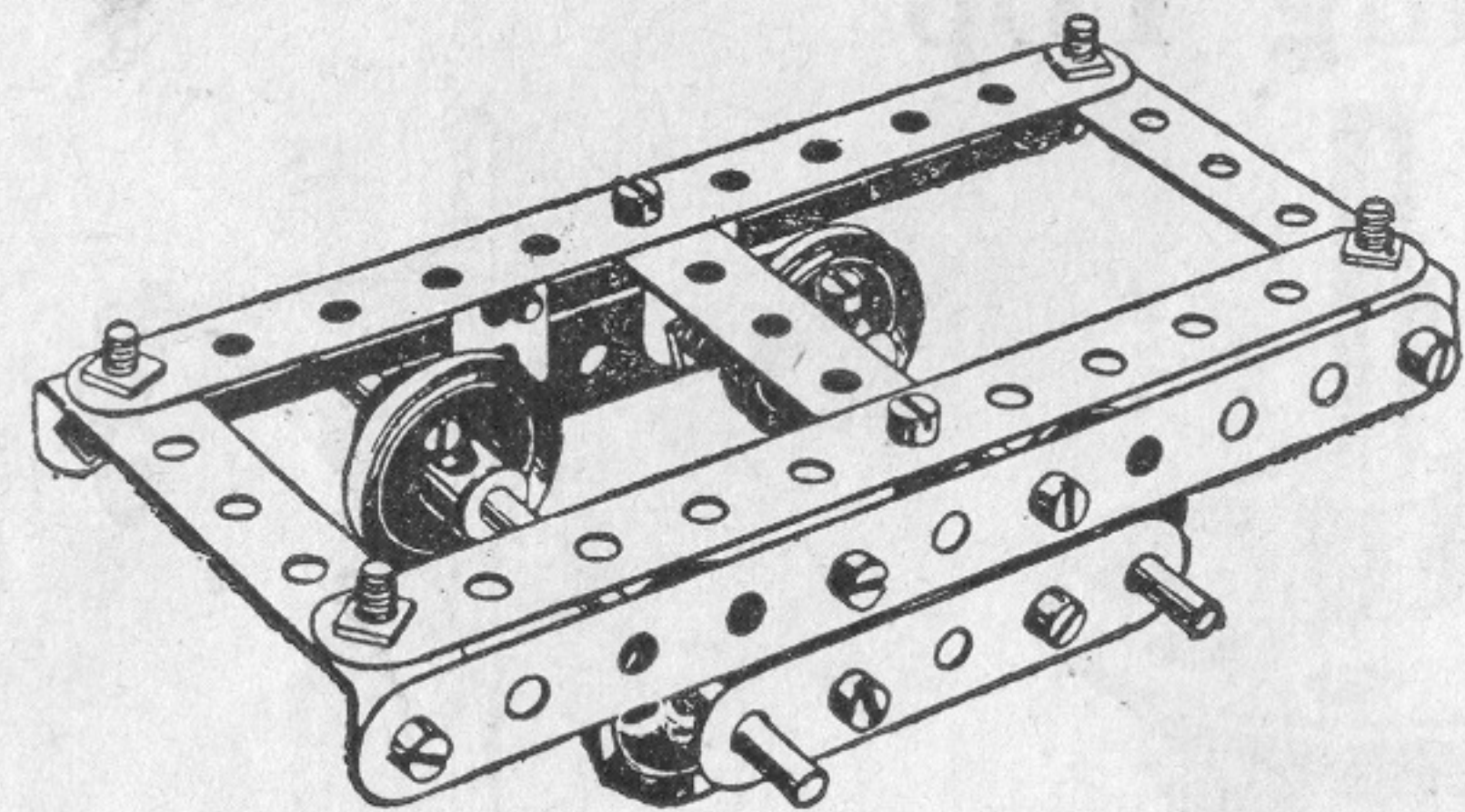
Model No. 69
Lawn Mower



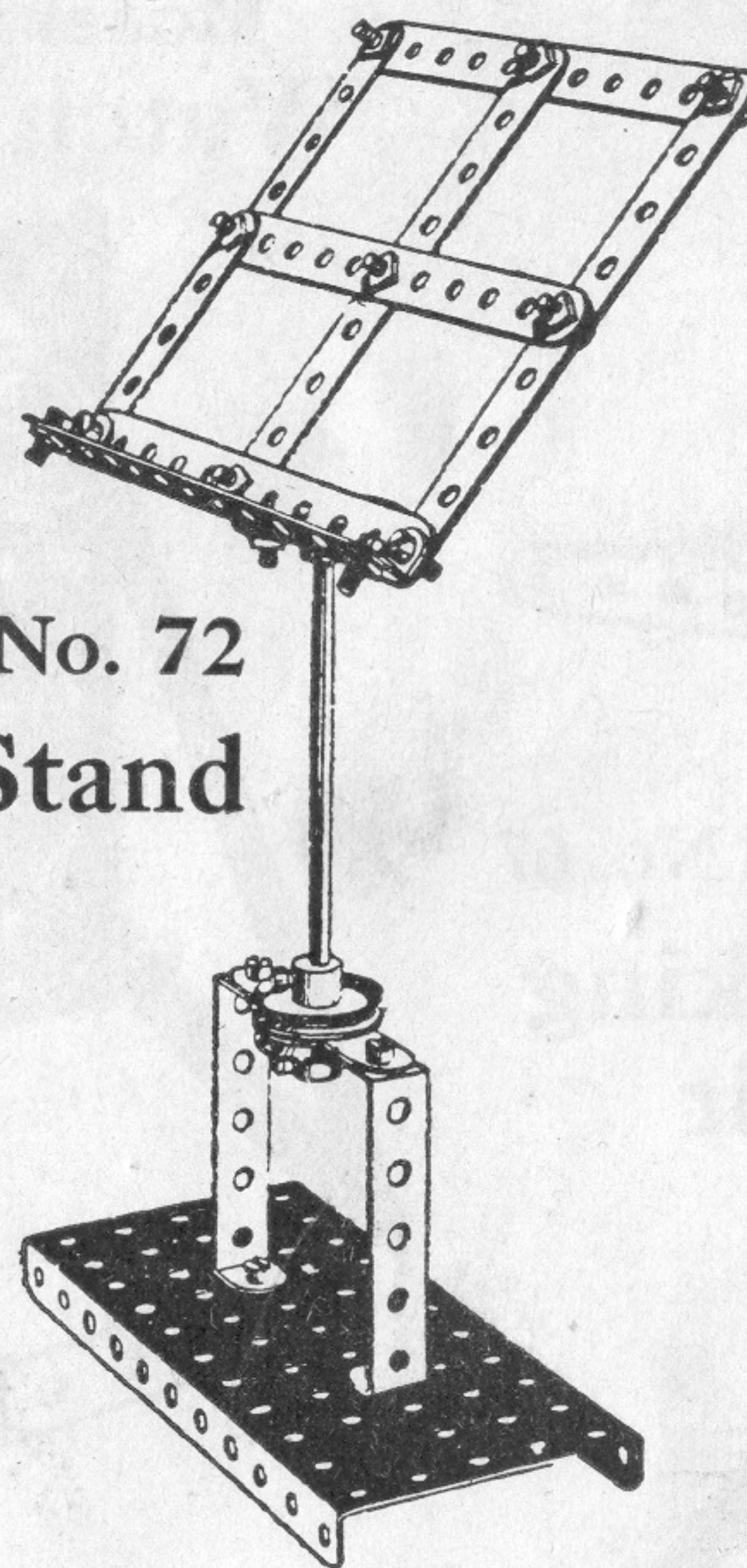
Model No. 70
Anchor



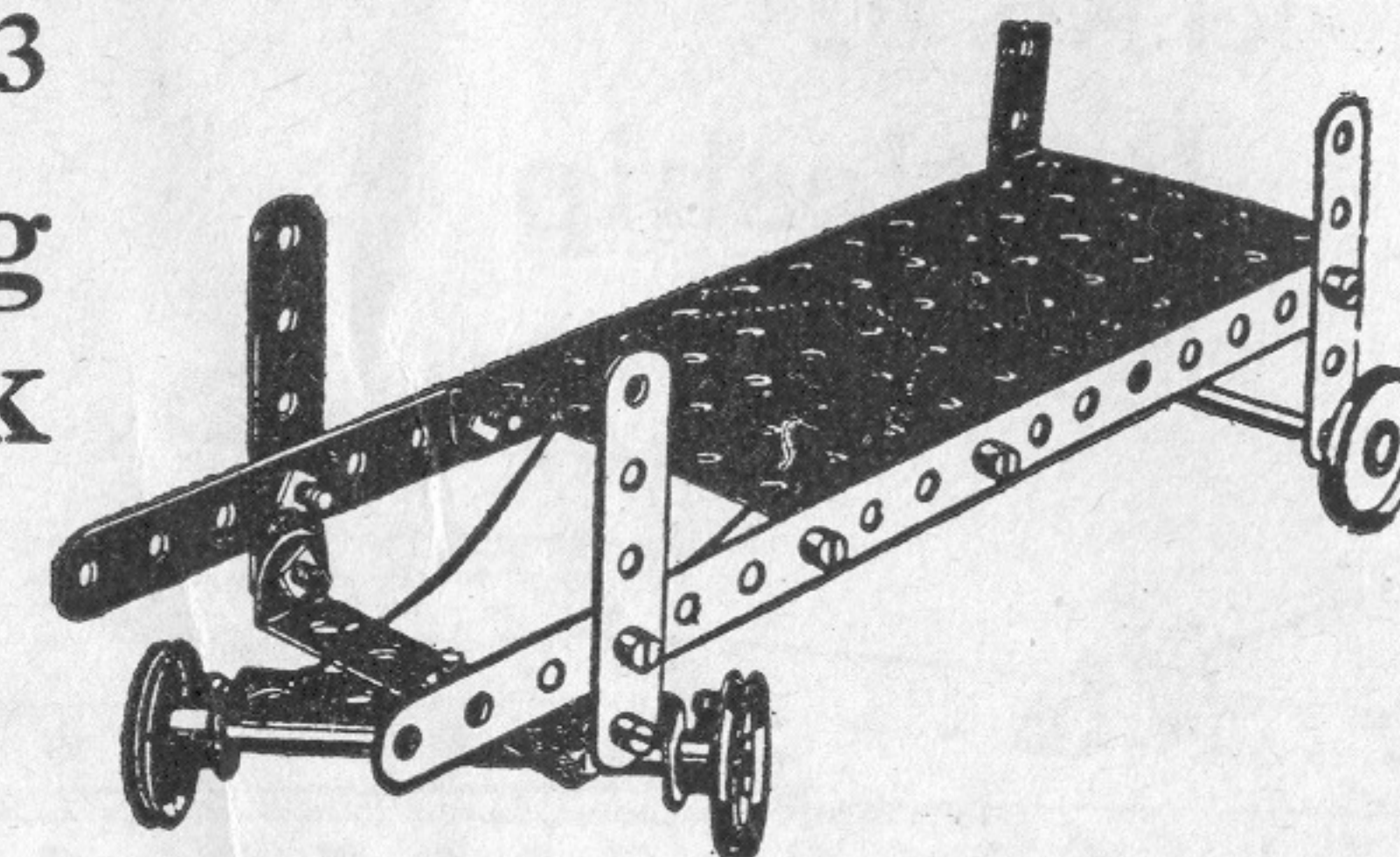
Model No. 71 Bogey Car



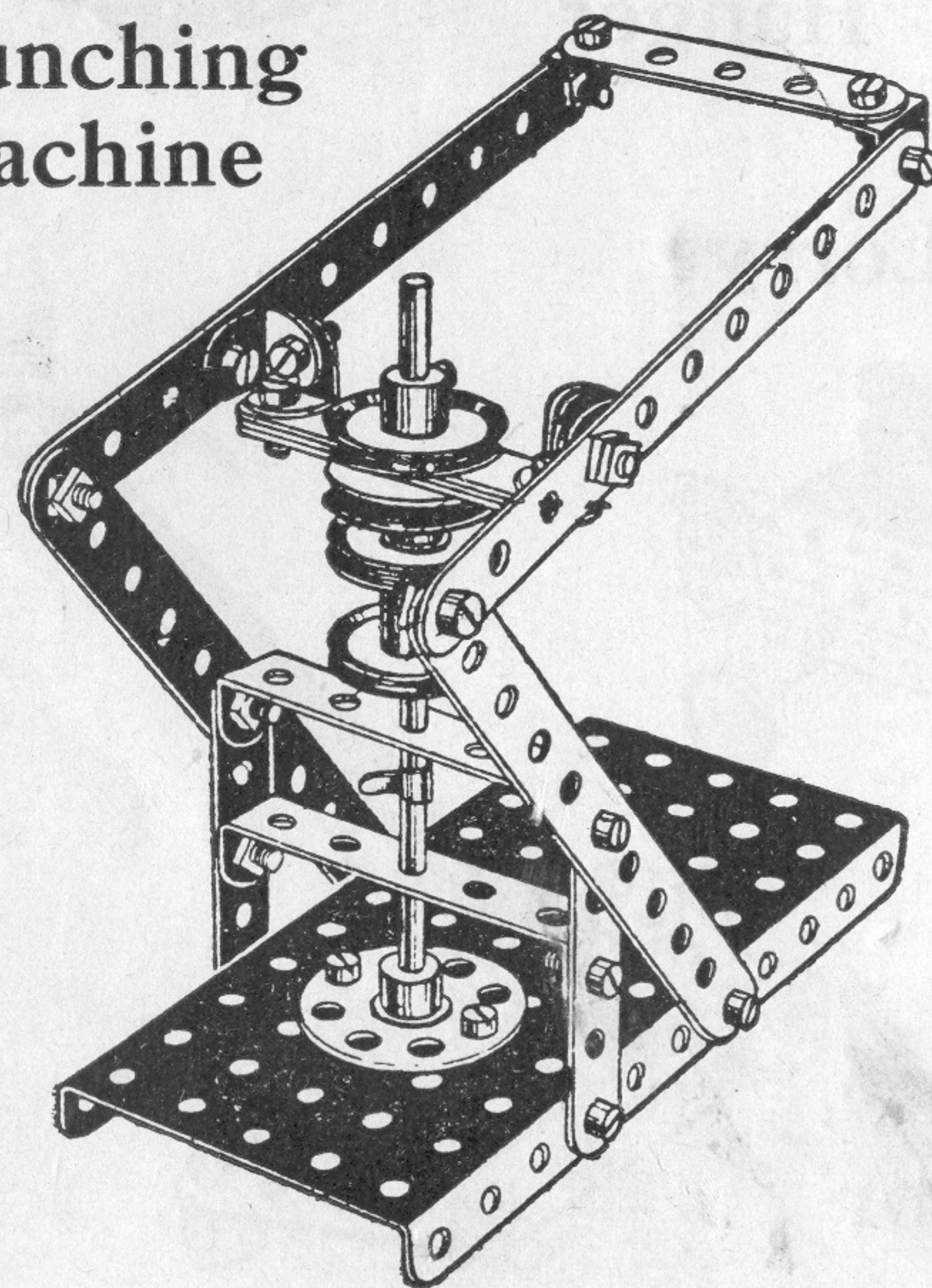
Model No. 72 Music Stand



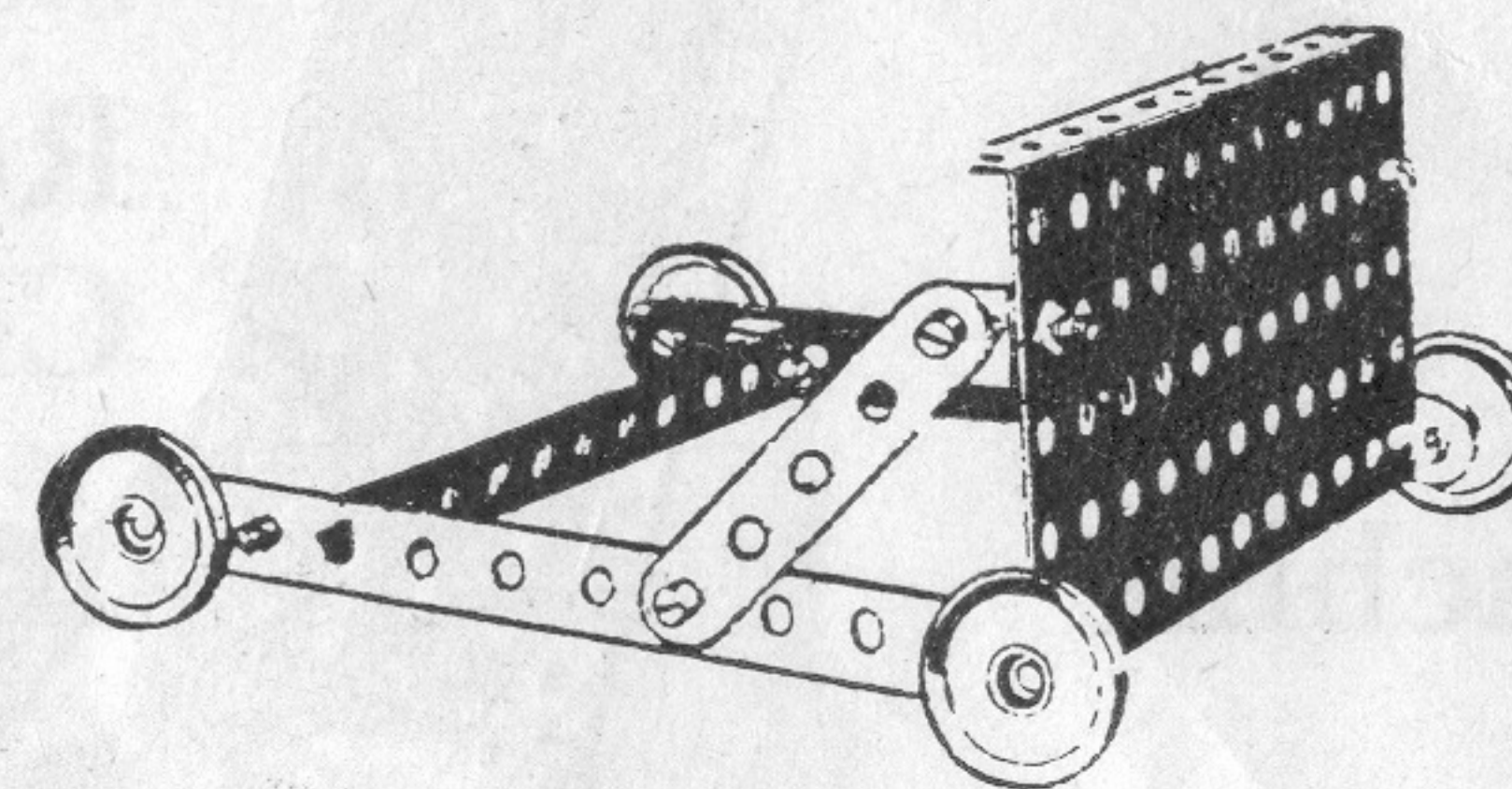
Model No. 73 Steering Truck



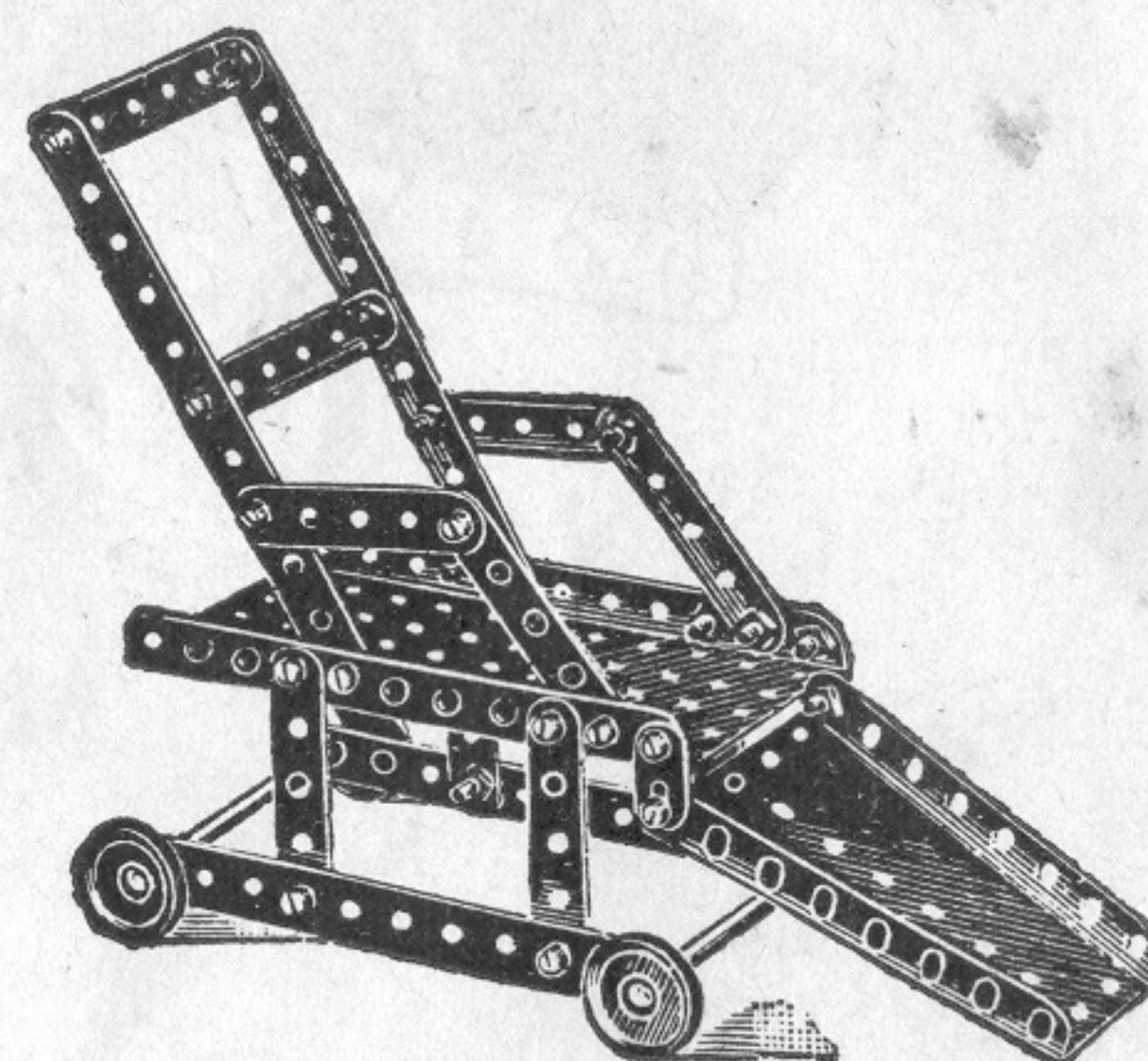
Model No. 75 Punching Machine



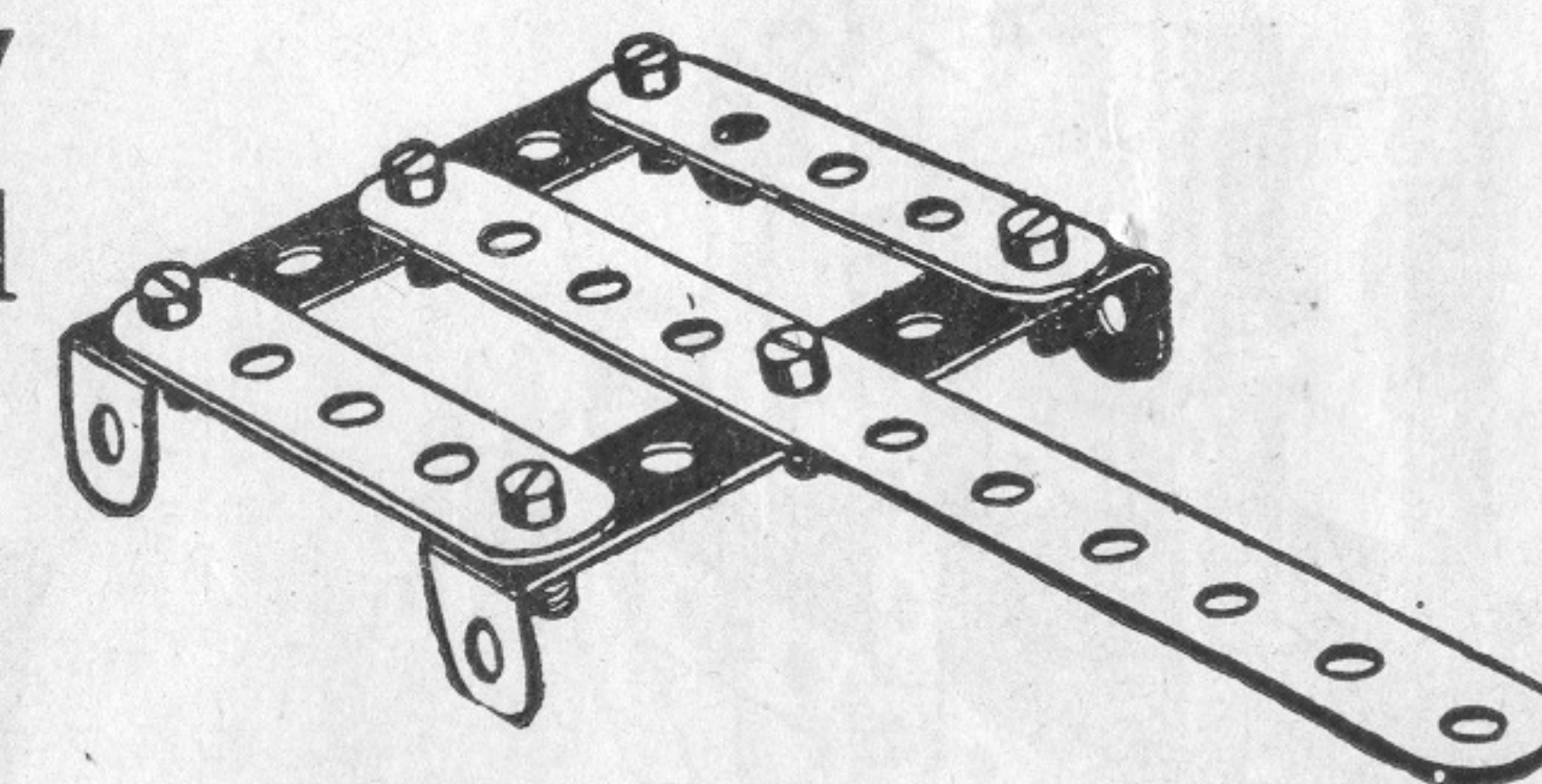
Model No. 74 Devil Wall



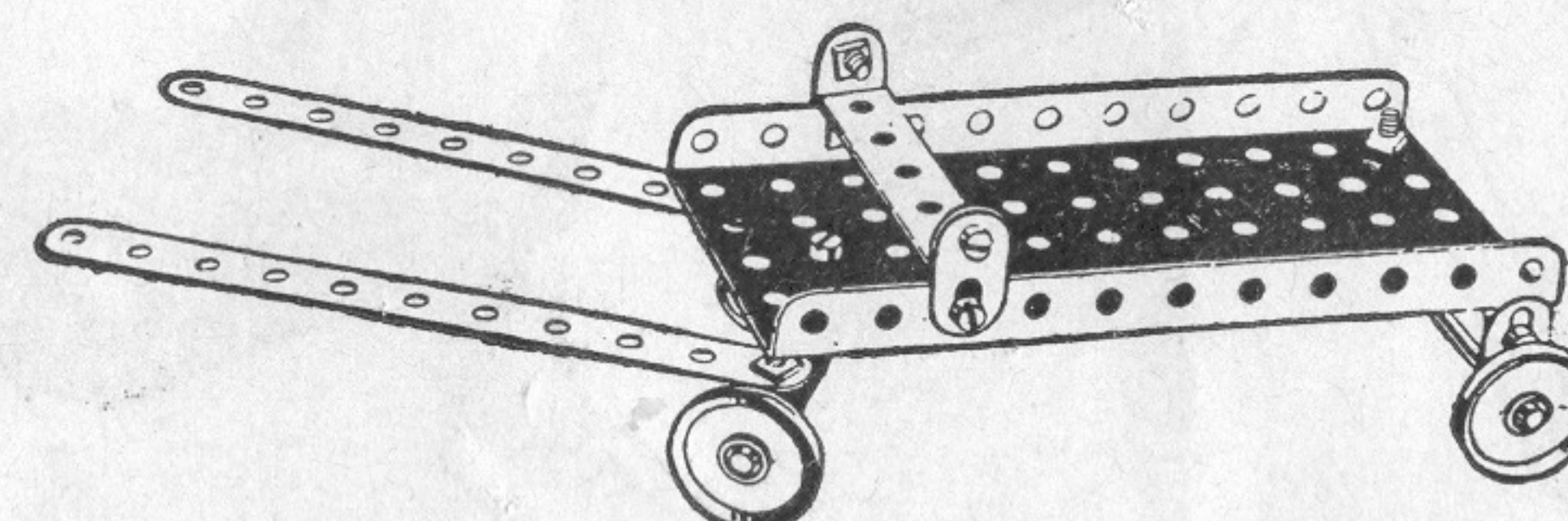
Model No. 76 Invalid Chair



Model No. 77 Grill



Model No. 78 Truck



MECCANO

REGISTERED

American Patents and Designs

810,148 January 16, 1906
 1,079,245 November 28, 1913
 1,161,121 November 23, 1915

1,166,688 January 4, 1916
 49,308 July 4, 1916

Canadian Patents and Designs

151,243 October 21, 1913
 156,296 June 16, 1914
 158,101 September 29, 1914

PATENTED THROUGHOUT THE WORLD

Meccano is More Than a Toy

IT IS important to remember that when a boy is playing with MECCANO he is using engineering parts in miniature, and that these parts act in precisely the same way as the corresponding engineering elements would do in actual practice. No other system of model construction could, therefore, be correct. Other toys which attempt the same object by other methods must avail themselves of other constructive elements which are not correct engineering elements. Consequently, though a boy may succeed in building playthings with them, they are merely toys and nothing else, and his mind, as regards proper mechanical construction and methods, is distorted instead of instructed. He thus learns wrong principles, and, when his ambition tempts him to invent or construct more elaborate models, he will be stopped by the deficiencies of his non-mechanical system.

CONTENTS OF No. 0 OUTFIT

No.		Quantity		Quantity	
1.	12½" Perforated Strips	2	35.	Spring Clips	4
2.	5½" " "	4	36.	Combined Screwdriver	1
5.	2½" " "	9	37.	Nuts and Bolts	25
10.	Flat Brackets	4	40.	Hank Cord	1
12.	Angle Brackets	8	44.	Cranked Bent Strip	1
15A.	4½" Rods	2	52.	Perforated Flanged Plate, 5½"x2½"	1
17.	2" Rods	2	54.	Perforated Sector Plate	1
19.	Small Crank Handle	1	56.	No. 0 Manual of Instructions	1
22.	1" Pulley Wheels (fast)	4	57.	Hook	1
23.	½" Pulley Wheel	1	60.	2½" Bent Strip	2
24.	Bush Wheel	1	100.	5½" Braced Girder Strip	2

Meccano Price List

(Revised January, 1917)

No. 00. Meccano Outfit	\$1.00
No. 0. " " " "	1.50
No. 1. " " " "	3.00
No. 1X " " " "	4.50
No. 2. " " " "	6.00
No. 2X. " " " "	7.50
No. 3. " " " "	9.00
No. 3X. " " " "	12.00
No. 4. " " " "	15.00
No. 5. " " " "	20.00
No. 5X. " " " " } Cloth-bound	25.00
No. 6. " " " " } Box	40.00

No. 00A. Accessory Outfit	\$0.50
Converts No. 00 into a No. 0 Outfit.	
No. 0A " " " "	1.50
Converts No. 0 into a No. 1 Outfit.	
No. 1A. " " " "	3.00
Converts No. 1 into a No. 2 Outfit.	
No. 2A. " " " "	3.00
Converts No. 2 into a No. 3 Outfit.	
No. 3A. " " " "	6.00
Converts No. 3 into a No. 4 Outfit.	
No. 4A. " " " "	5.00
Converts No. 4 into a No. 5 Outfit.	
No. 5A. " " " " (Carton)	20.00
Converts No. 5 into a No. 6 Outfit.	
Inventor's Outfit	3.00

No.	Description	Cents
1.	Perforated Strips, 12½" long	½ doz. 45
2.	" " 5½" "	" 25
3.	" " 3½" "	" 20
4.	" " 3" "	" 20
5.	" " 2½" "	" 15
6.	" " 2" "	" 15
8.	Angle Girders, 12½" long	" 60
9.	" " 5½" "	" 45
10.	Flat Brackets	" 05
11.	Double Brackets	each 03
12.	Angle Brackets	doz. 10
13.	Silver Steel Axle Rod, 11½" long	each 10
13A.	Axle Rods, 8" long	" 10
14.	" " 6" "	" 05
15.	" " 5" "	" 05
15A.	" " 4½" "	" 05
16.	" " 3½" "	" 05
17.	" " 2" "	" 02
18A.	" " 1" "	" 02
19.	Crank Handles	" 10
19A.	Pulley Wheels, 3" with set screw	" 25
20.	Flanged and Grooved Wheels	" 25
20A.	Pulley Wheels, 2" diam., with set screw	" 20
21.	Pulley Wheels, 1½" diam., with set screw	" 20
22.	Pulley Wheels, 1" diam., with set screw	" 10
22A.	Pulley Wheel, 1" diam., without set screw	" 05
23.	Pulley Wheels, ½" diam., without set screw	" 03
23A.	Pulley Wheels, ½" diam., with set screw	each 10
24.	Bush Wheels	" 15
25.	Pinion Wheels, ¾" diam., 25 teeth	" 25
26.	" " ½" " 20 teeth	" 15
27.	Gear Wheels, 50 teeth to gear with ¾" pinion	" 30
27A.	Gear Wheels, 56 teeth to gear with ½" pinion	" 35
28.	Contrate Wheels, 1½" diam.	" 50
29.	" " ¾" "	" 30
32.	Worm Wheels	" 25
33.	Pawls	" 05
34.	Spanners	" 10
35.	Spring Clips	per box (doz.) 15
36.	Screw Drivers	each 10
37.	Nuts and Bolts	per box (doz.) 12

No.	Description	Cents
37A.	Nuts	per box (doz.) 05
38.	Washers	doz. 05
40.	Hanks of Cord	each 03
41.	Propeller Blades	per pair 15
43.	Spring	each 05
44.	Cranked Bent Strip	" 05
45.	Double Bent Strip	" 05
46.	Large Bent Strip	" 05
47.	Dynamometer, tension and compression (combined)	" 2.50
47A.	Dynamometer (tension)	" 1.50
49.	Disc Weights, 20 grms.	" 15
49A.	" " 25 "	" 15
49B.	" " 50 "	" 20
50.	Eye Piece	" 05
52.	Perforated Flange Plate, 5½" x 2½"	each 25
53.	Perforated Flanged Plate, 3½" x 2½"	" 20
54.	Perforated Sector Plate	" 20
56.	Manual of Instructions	" 35
56A.	Meccanograph Manual of Instructions	" 25
57.	Hooks	" 01
57A.	Hook (Scientific)	" 01
58.	Spring Cords, per length	" 30
59.	Collars and Set Screws	" 05
60.	Bent Strips, 2½" long	per ½ doz. 20
61.	Windmill Sail	each 10
62.	Crank	" 15
63.	Coupling	" 15
65.	Centre Fork	" 10
94.	Sprocket Chain, per yard	25
95.	Sprocket Wheel, 2" diam.	each 25
96.	" " 1" "	" 20
99.	Braced Girders, 12½" long per ½ doz.	75
100.	" " 5½" " " "	50
101.	Healds for Looms	doz. 45
102.	Single Bent Strip for Looms	each 05
103.	Perforated Flat Girder Strip, 5½" long	" 10
104.	Shuttle	" 50
105.	Reed Hook	" 05
106.	Roller	" 10
S1.	Spring Motor	3.00
E1.	Electric Motor	"
E2.	" " "	"
	Transformer	"

N. B.—Accessory Outfits do not contain motors.