

ASECCANO (TRADE MARK REG. U. S. PAT. OFF.)

Better, easier model-building

"You just count the holes"

SUPPLEMENTARY INSTRUCTION MANUAL

For Outfit

NO. 10

Price 15 Cents

MECCANO COMPANY

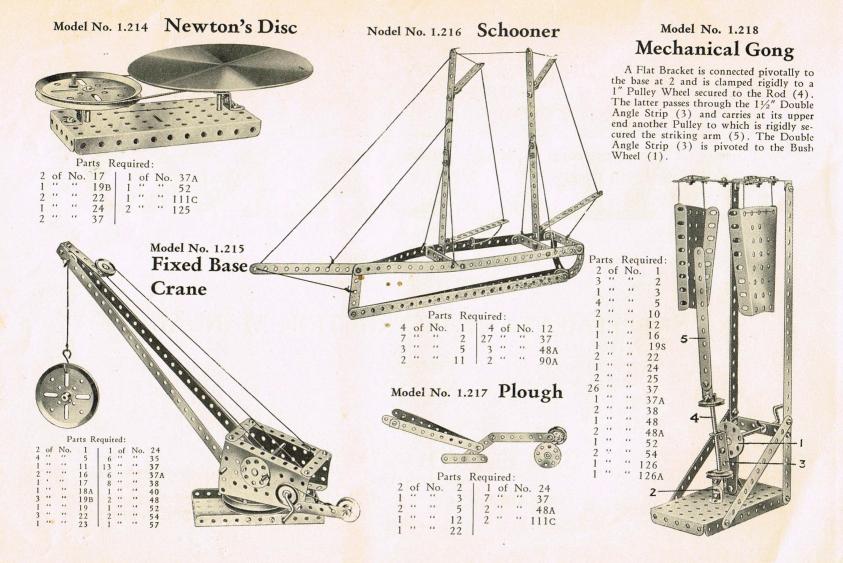
INCORPORATED

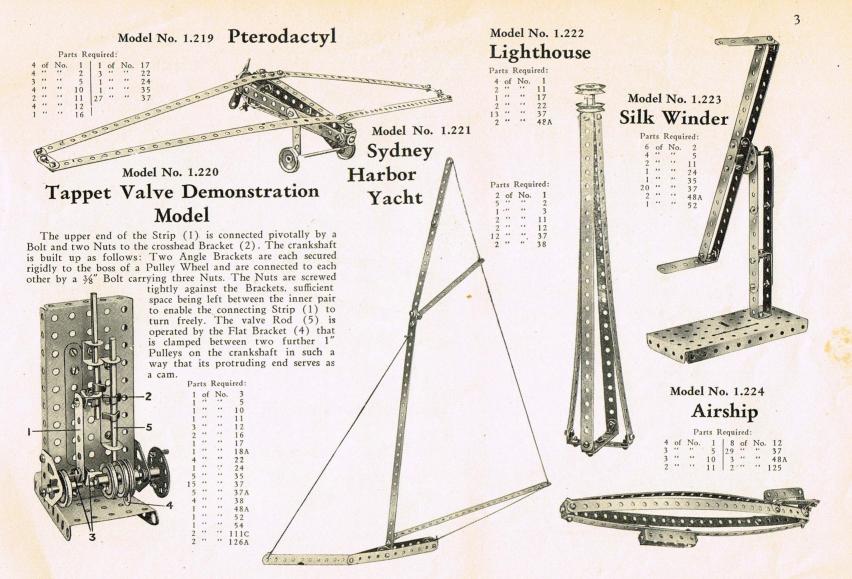
ELIZABETH,

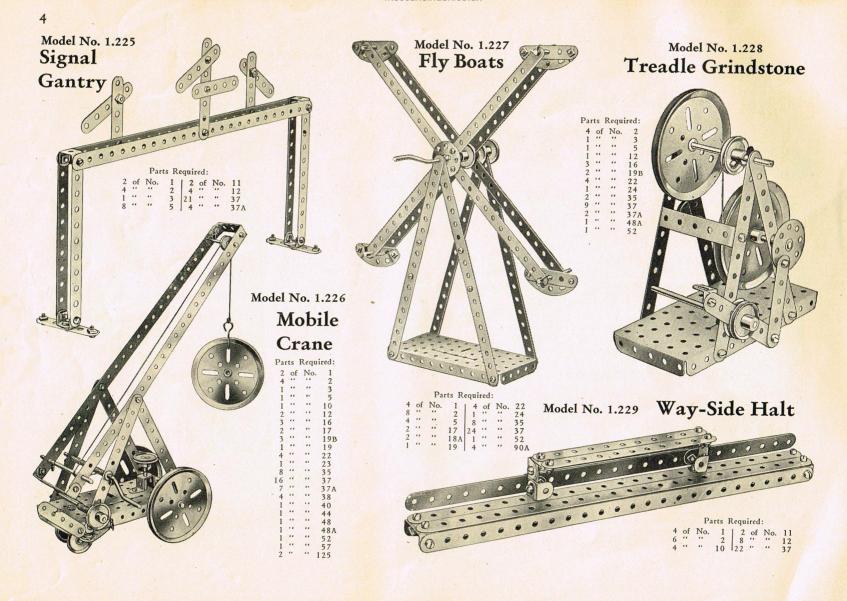
NEW JERSEY

Copyright, 1929, by Meccano Company, Inc.

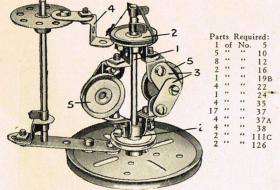
AMERICAN EDITION





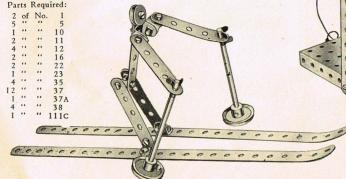


Model No. 1.230 Gramophone Governor



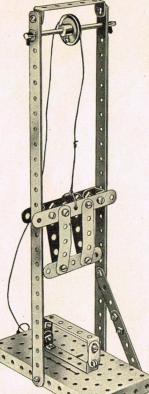
The Rod (1), which is free to rotate in the 3 inch Pulley that forms the base, carries two 1-inch Pulleys (2), the upper one being free on the Rod and the lower one fixed. The Flat Brackets (3) are pivotally attached to the Angle Brackets and to the Pulleys (5) forming the governor weights. The upper Pulley (2) is connected to the top of the Rod by a small piece of elastic (not included in the Outfit). The drive is led to the lower Pulley (2), and on the governor reaching a certain speed the upper Pulley presses on the stop (4). The speed can be regulated by adjusting the height of the stop (4).

Model No. 1.231 Ski-er



Model No. 1.232

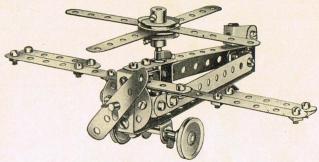
Guillotine



Parts Required:

4	of	No.	1	1. 2 24 2 3	of	No.	22
1	**	No.	3	2		"	35
	**	**	5	24	"	**	37
2			10	2	**	"	38
		**	11	3	**	**	48A
1		"	16	1	"	"	52

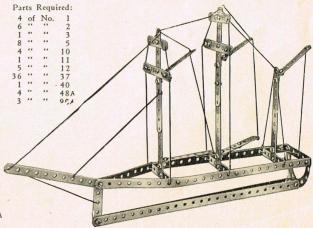
Model No. 1.233 Helicopter



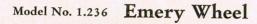
Parts Required:

8	of	No.	2	2 4 1 5	of	No.	17	1	5	of	No.	38
3	"	"	5	4	"	"	22	1	1	"	"	44
5	"	.,	10	1	**	**	24		1	"	"	48
2	"	"	11	5	**	**	35		2		31	125
8		"	12	31	**	**	37	9 10	-			

Model No. 1.234 Topsail Schooner

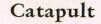


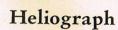
Model No. 1.235 Warehouse Crane

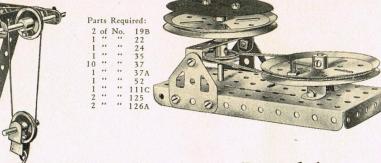




Model No. 1.239

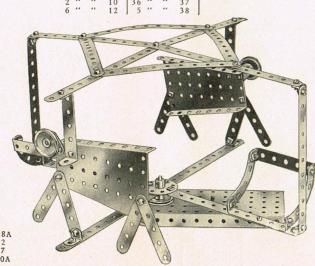


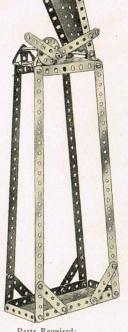




Model No. 1.237 Roundabout

			Pa	rts	Requ	ired:						
of	No.	1	1 1	of	No.	17	1	6	of	No.	48A	
**	"	2	4	"	"	22		1	"	"	52	
	"	5	1	"	"	24		4	**	**	48A 52 90A	
			0.0									



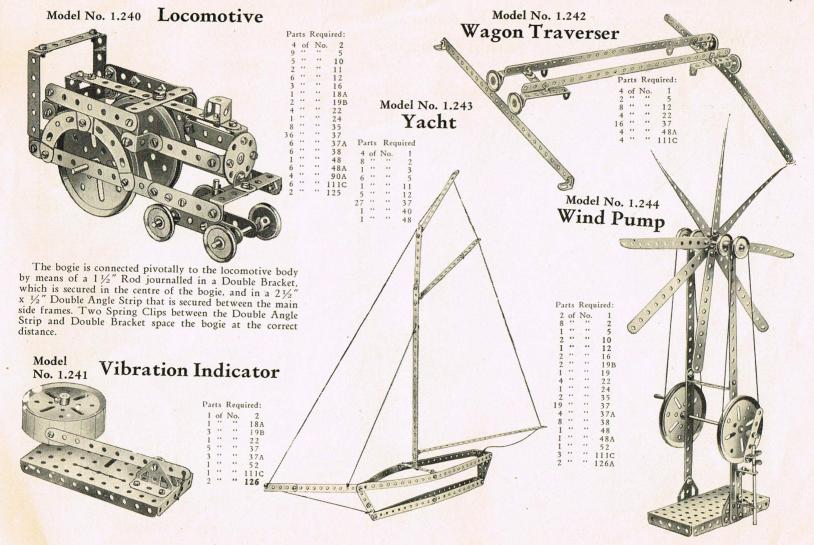


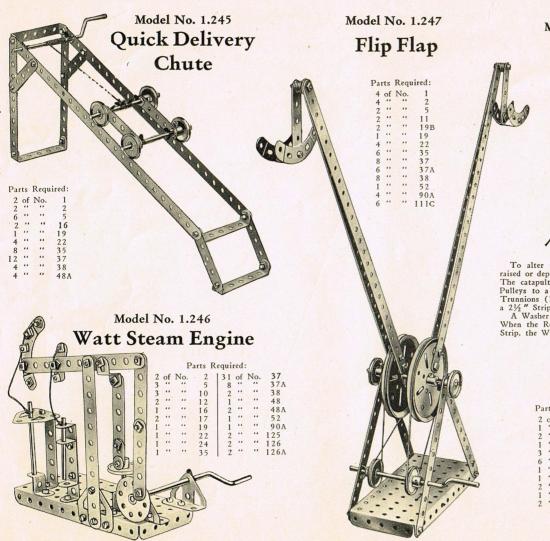
Parts Required:

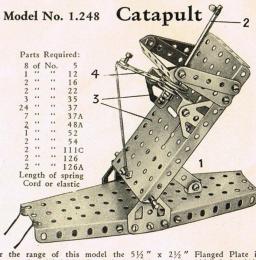
2 of No. 1
7 " " 12
1 " " 24
15 " " 37
1 " " 52
1 " " 111C





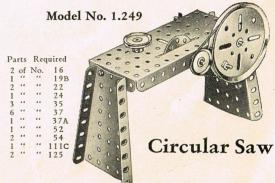


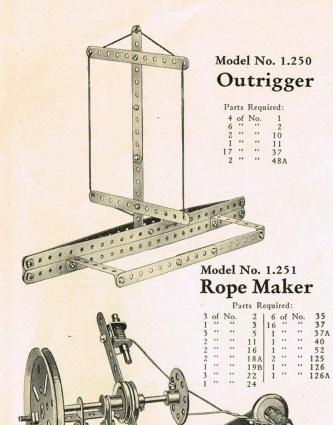


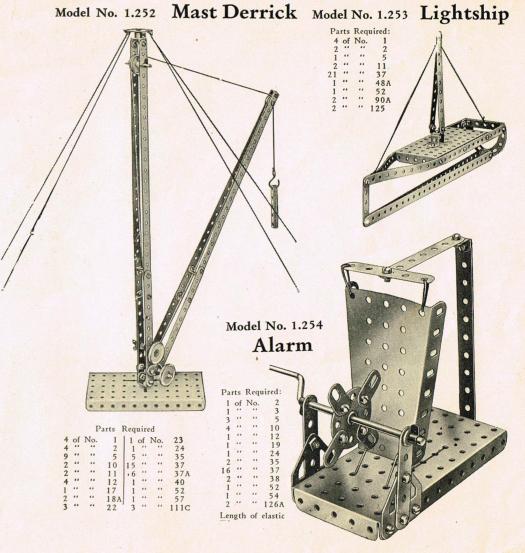


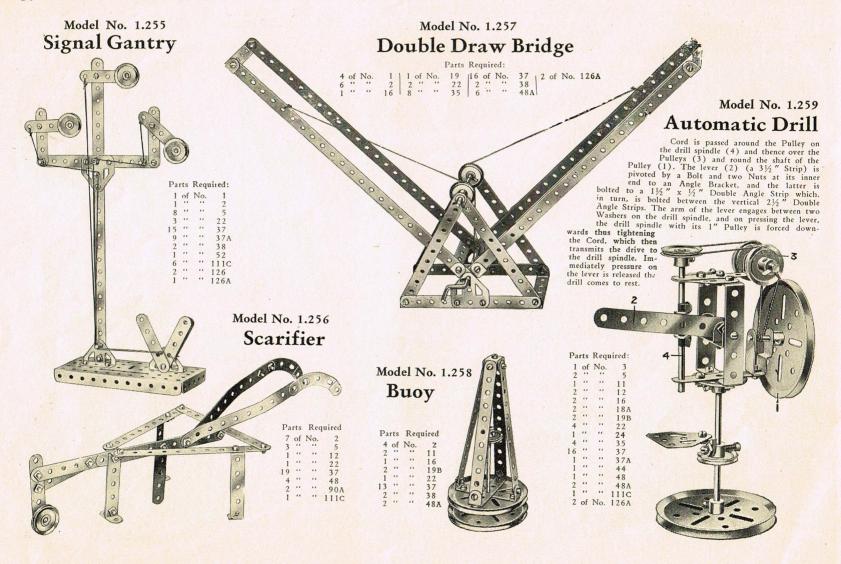
To alter the range of this model the $5\frac{1}{2}$ " x $2\frac{1}{2}$ " Flanged Plate is raised or depressed and held in the desired position by the $2\frac{1}{2}$ " Strip (1). The catapult consists of a $3\frac{1}{2}$ " Rod (2) clamped by means of two 1" Pulleys to a $2\frac{1}{2}$ " x $\frac{1}{2}$ " Double Angle Strip that is lock-nutted to two Trunnions (3). A length of Spring Cord or elastic is attached at one end to a $2\frac{1}{2}$ " Strip 4, and at the other to the Flanged Plate.

A Washer is placed on the Rod (2) so that it rests on the Spring Clip. When the Rod is depressed, and released so that it hits the Double Angle Strip, the Washer flies through the air for a considerable distance.

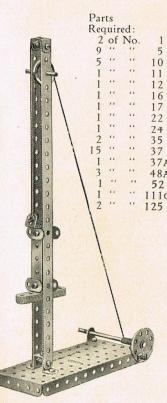






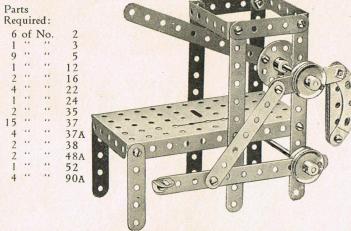


Pile Driver



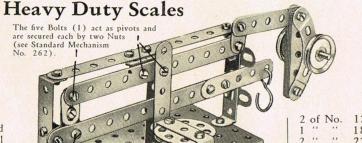
The winding cord is passed round the Pulley at the top of the model and is fastened to an Angle Bracket that is hooked under the protruding portion of a Flat Bracket bolted to the top of the driving head. When the Angle Bracket reaches the Pulley at the top it is pushed out a little, thus releasing the driving head.

Model No. 1.261 Foot Hammer



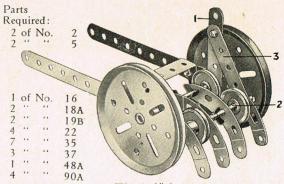
The treadle lever is connected pivotally to a 31/2" Strip by a Bolt and two Nuts. The upper end of the Strip is similarly connected to a 21/4" Strip that is clamped tightly between two Pulleys on the Rod. Pressure on the treadle causes the hammer to descend on the work. When the treadle is released the weight pulls the hammer back to its original position.

Model No. 1.262



3 < A-4			T OAK
, , ,	2 '		22
0) 0)	1 .	. "	24
90	22 '	" "	37
and the second	7 '		37A
	1		48
Parts	3 '		48A
Required:	1 '	" "	52
3 of No. 2	1 "	"	57
9 " " 5	2 "	"	90A
5 " " 10	2 '	"	111C

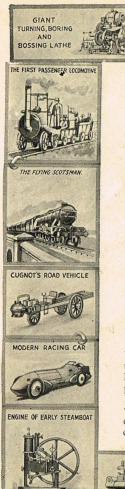
Model No. 1.263 Horse Rake



The 21/2" Strip 1 pivots about the wheel axle. A 21/2" Strip 3 is connected by a Bolt and two Nuts to the Strip 1 and the Rod 2 passes through its other end. On pulling the lever 1 towards the shafts the rake is lifted from the ground.

Model No. 1.264 Gravity Conveyor

			Pa	rts Re	quir	ed:			
	4	of	No.	1	136	of	No.	37	
2	2	"	"	2	3	"	"	37A	
8A	8	"	. "	5	1	"	"	48	
2	8	"	"	12	3	"	"	90A	
4			3	of N	lo. 1	11	C		
7									
7 A		Sh.	1	da.					
7A 8		9	5.5	e la					
8A	September 1	- A		All Die	Wine.				



The Joy of Inventing!

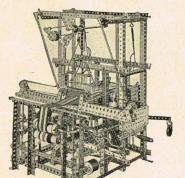
SUBMARINE

NVENTING new models and movements in Meccano is a most fascinating pastime, as every Meccano boy knows. There is nothing in the world comparable with the joy and satisfaction of creating something new.

ELECTRIC TRAIN

Never before has there been such a great opportunity for inventors. Every trade, no matter how humble or how elevated it may be, has need of the best machines to enable it to meet competition among the nations of the world. Every little improvement or new method of construction that will allow of lower manufacturing costs is eagerly welcomed.

Before the invention of Meccano, the boy who desired to learn something of the wonders of engineering had to gain his knowledge from text books, and perhaps spend hours of study with very little profit to himself as far as learning was concerned. But Meccano has changed all this, and the boy of to-day can immediately commence to build



This Meccano Loom Model, made entirely of Meccano parts, actually weaves neckties, hat-bands, etc. What can't a Meccano boy do when he tries!

models of practically every known engineering device. Moreover, he can make working models from his own ideas, and all the time he is a real engineer in miniature.

HIGH PRESSURE

TURBINE

Whenever he uses his Meccano Outfit new ideas come to him. He builds a piece of intricate mechanism and discovers the secrets of its working. He gradually accumulates so much valuable knowledge of mechanics and engineering that he is able to develop new ideas and put them into practice.

Every Meccano boy should try his hand at inventing. Large numbers of new models, suggestions, and bright ideas reach us each day and in order to show Meccano boys what has been done already and to provide ideas for future use, we have included in this book a selection of the most outstanding efforts that have been received recently. Several of the models shown are published for the first time.



