MECCANO

(PATENTED)

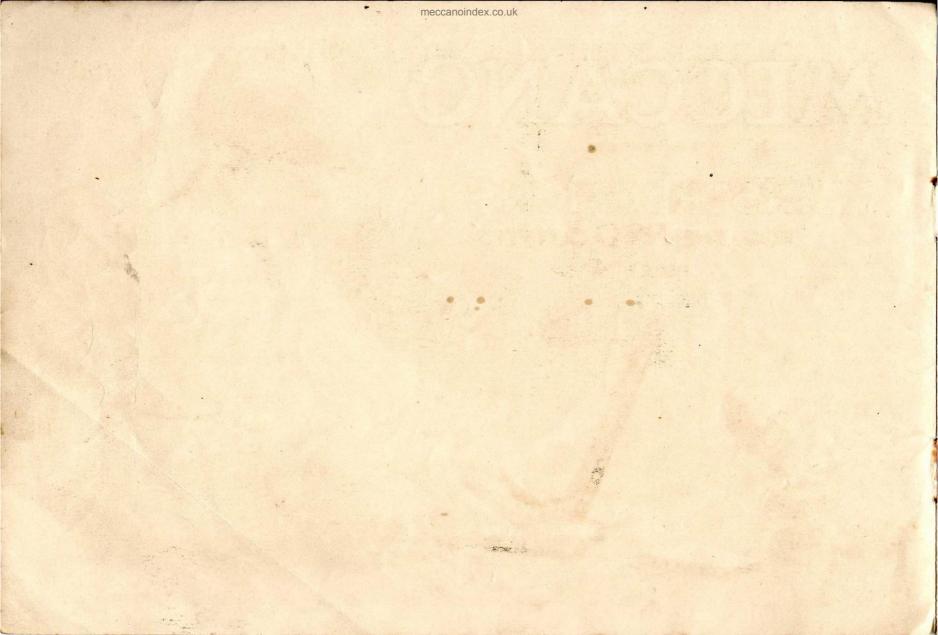
INSTRUCTIONS

FOR THE NO OUTFIT

PRICE 4º

Two Minds with but a Single Thought"

BY MECCANO LTD

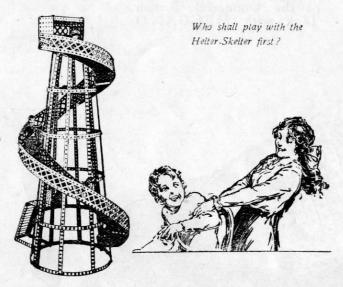


A TALK WITH NEW MECCANO BOYS

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 toyshops, 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 standardisation 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.



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 ties and belts in all colours and designs, just as good as the best you can buy in the shops. 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

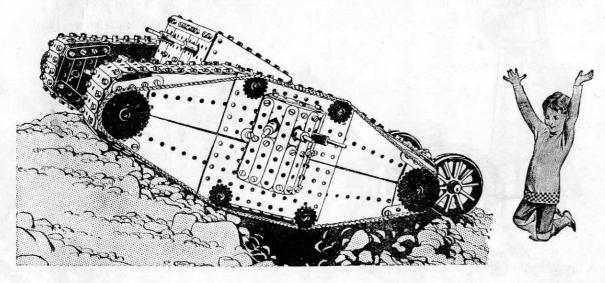
which have been sent in by expert Meccano boys, and which took big money prizes.

Remember, boys, that with Meccano 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.

YOU can build this Model of the wonderful British Tank with 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.

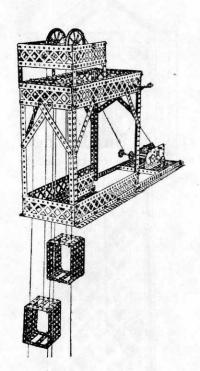
Boys! Build Bigger Models

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 a big Manual of Instructions. You will be able to build scores of new and fascinating models, and will then realise what a wonderful hobby Meccano is.

The Meccano Magazine

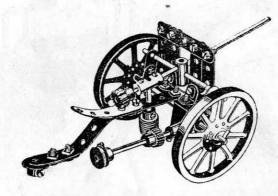
This is a splendid Magazine, which is published for Meccano users. You will miss a lot of fun and pleasure if you do not become a regular reader. It contains articles on Meccano topics; essays by Meccano boys; tips to model-builders; replies to boys' queries by the Editor; announcements of new prize competitions which are running all the time, and which enable you to win valuable prizes; lists of prize-winners; and all kinds of useful information for boys. Write to the Editor, and he will send you your first copy FREE. If you wish to receive the Meccano Magazine regularly, you should send ad. in stamps to cover postage on the next four issues. A double subscription of ad. will, of course, ensure your receiving the next eight issues. Address your letters to the Editor, Meccano Works, Binns Road, Liverpool.

SPLENDID NEW MECCANO MODELS



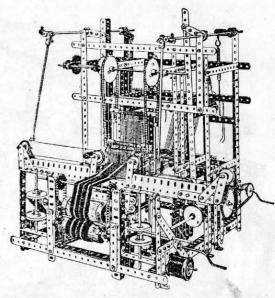
Pit Head Gear

A fine toy, giving great fun. The cages work up and down, carrying loads. Note the splendid use of the Meccano braced girder 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 costs 2/6, or 2/9 post paid.



Meccano Field Gun

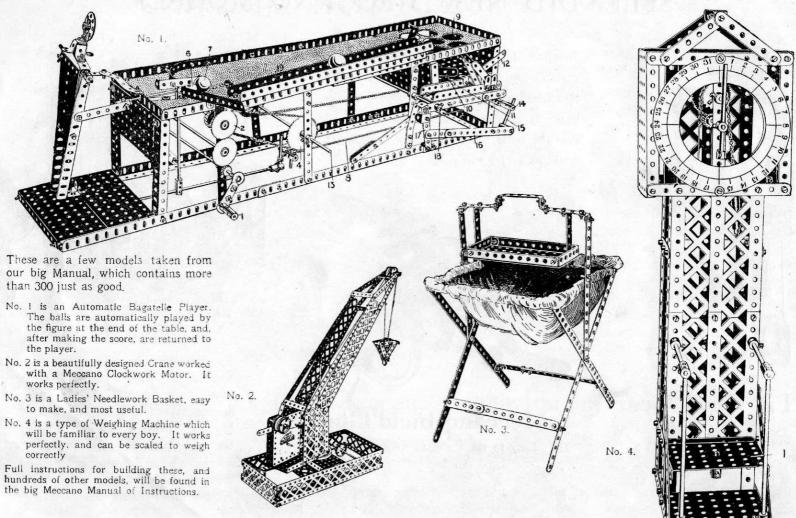
Easy to make and furnishes endless amusement



Meccano Loom

The mechanism is fully automatic and it is only necessary to turn the handle to weave ties, belts, etc., in all designs and colours. 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

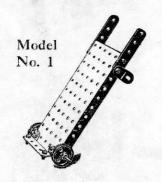
THE MORE MECCANO YOU HAVE, THE BIGGER AND BETTER THE MODELS YOU CAN BUILD



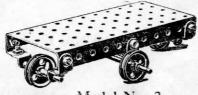
HOW TO BUILD WITH MECCANO

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 a dozen different ways. Screw them all up tight, 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 braced girder and the large wheels 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 strips and wheels may be used instead.



Trucks and Luggage Carts





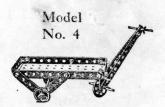
COUNTY OF THE PARTY OF THE PART

Model No. 3

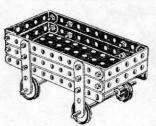
Model No. 2

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.

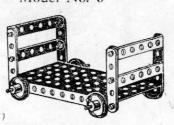
The bearings for the end axles are formed by connecting two angle brackets together, as shown in Fig. 2A, and bolting them in each end hole at the sides of the plate.

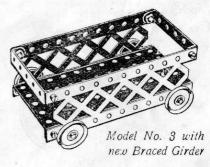




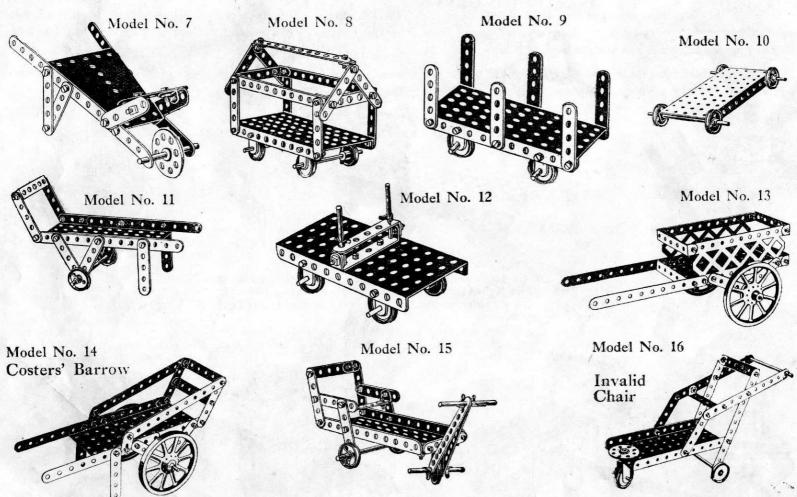


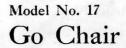
Model No. 6

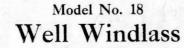


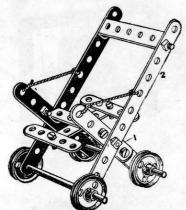


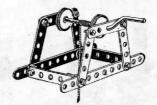
Trucks and Luggage Carts (continued)

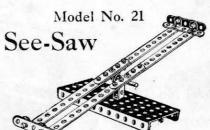


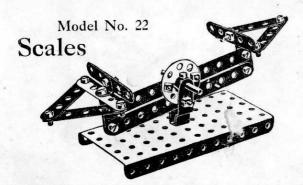


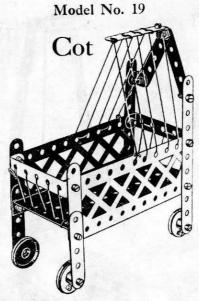


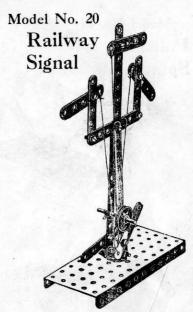












Model No. 23

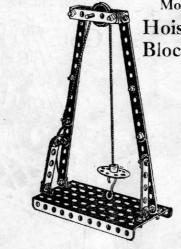
Potter's Wheel



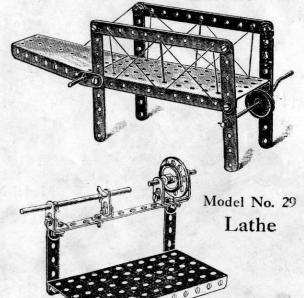


Model No. 24
Polishing
Spindle

Model No. 25 Hoisting Block

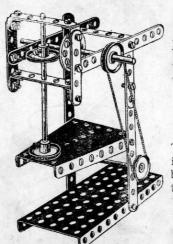


Model No. 26 Gangway



Model No. 30
Level Crossing
Barrier





Model No. 28

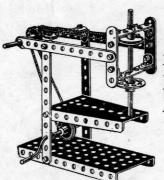
Drop Stamp

The stamp of this model is raised and dropped by a $2\frac{1}{2}$ " strip attached to a bush wheel.

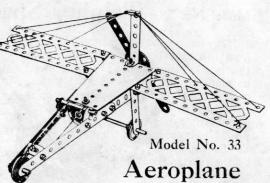




Model No. 31 Tower Wagon

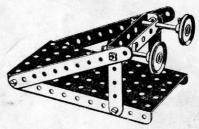


Model No. 32
Drilling
Machine

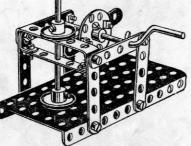


Model No. 36

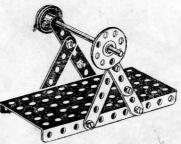




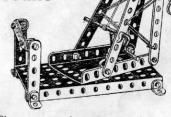
Model No. 34
Buffers



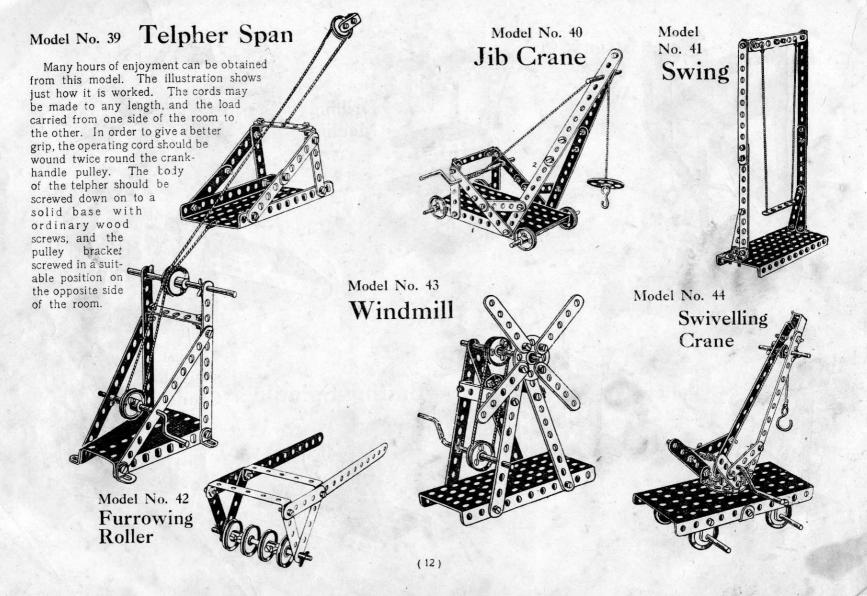
Model No. 37
Buffing Spindle

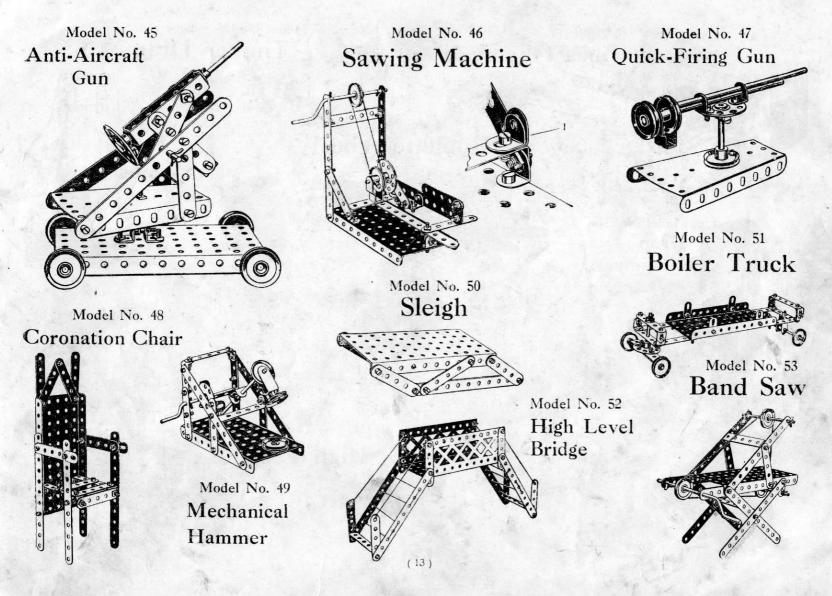


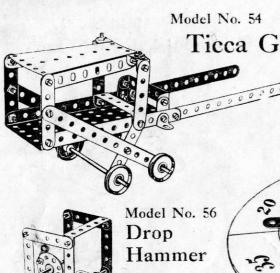
Model No. 38 Swivelling Crane

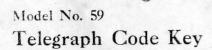


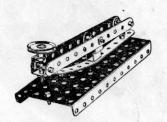
The sector plate of the Crane in this model is pivoted to the base.









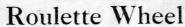


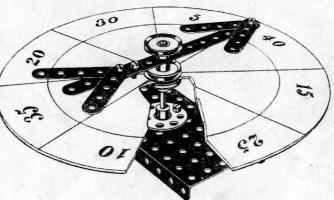
Ticca Gharry

Model No. 55

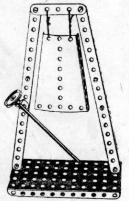
Timber Drag

Model No. 57





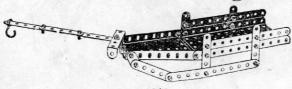
Gong S

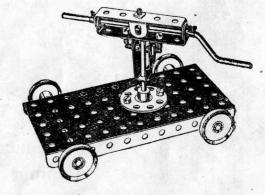


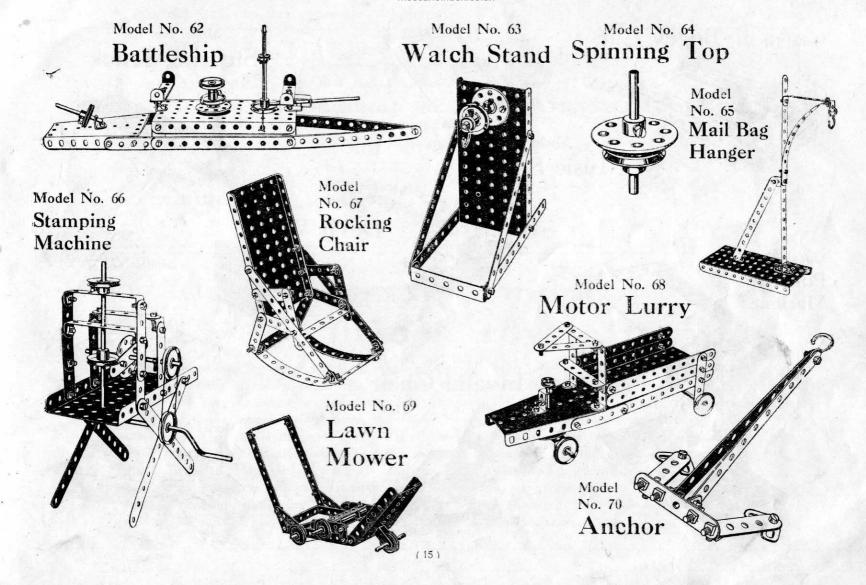
Model No. 61
Rock Drill

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.

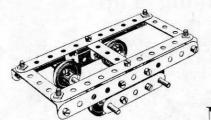
Model No. 60 Sleigh





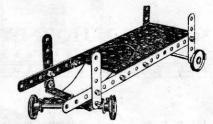


Model No. 71 Bogey Car



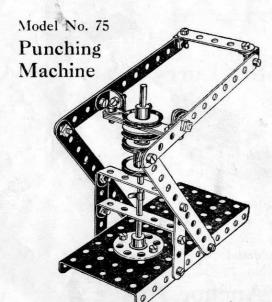
Model No. 72
Music Stand

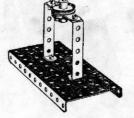
Model No. 73
Steering Truck

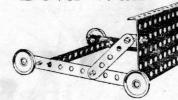


Model No. 74

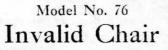
Devil Wall







Model No. 77
Grill









MECCANO

HORNBY'S ORIGINAL SYSTEM PATENTED 1901

Patents and Designs, Great Britain.

22,962-13	577,272	2085-11	3869-14
20,535-13	577,207	4183-14	4564-15
21.117-12	648.958		

PATENTED THROUGHOUT THE WORLD

Meccano is more than a Toy

T 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.

Prices of Meccano Accessory Pa	nte
1 D (1 C) : 10(*) 3. u.	No.
	65. Centre Forks each 0
3 31" " 0 5 20 P-1 C " 1 " " 1 0	66. Weights, 50 gramme ,, 0
4 " " 3" " " " 0 0 00. Devel Ceals	67. ,, 25 ,,, 0 doz. 0
21" " 11. " 0 1. Geat wheels, 1, 40 teeth ", 1 7	68. Wood Screws, ½" doz. 0
7, 010	69. Set Screws 0
A	69A. Grub Screws
Angle Girders 241" long each 0 9 35. Spring Clipsper box (doz.) 0 6	70. Flat Plates, 5½" ×2½" each 0 72. 2½"×2½" 0
A. 181" 0 7 36 Saray Drivoys and 0 3	72. ". $2\frac{1}{2}$ " $\times 2\frac{1}{2}$ " ". 0 76. Triangular Plates $2\frac{1}{2}$ " ". 0
121" 1 doz 2 3 364	76. Triangular Plates 2½" , 0
51" 1 3 27 Nutronal Dalta la- /da- \ 0 /	20 5 15 1 5"
Flat Brackets , 0 3 37A. Nuts , 0 3	80. Screwed Rods, 5", 0
Double Brackets each 0 1 37B. Bolts	81. ", ", 2" ", 0 89. Curved Strips, 5½" 0 90. ", 2½" 0 94. Sprocket Chain per yard 1
. Double Brackets each 0 1 378. Bolts 0 4 . Angle Brackets doz. 0 6 33. Washers	09. Curved Strips, 35
A. Panks of Cord two for 0 2	90 ,, 2½" ,, 0 94. Sprocket Chain
Avie Pode 111" lang	94. Sprocket Chain per yard 1 95. " Wheels, 2" diam each 0
A. ,, 8" ,, 0 3 43. Springs each 0 2	
	97. Braced Girders, 3½" long ½ doz. 0
" $\frac{5''}{4!}$ " , 0 2 45. Double Bent Strips , 0 2 46. Double Angle Strips, $2\frac{1}{2}$ " × 1" , 0 3 3 5 7 , 0 1 50. Eye Pieces , 0 2	100
A. " 4½" " · · · · " 0 2 46. Double Angle Strips 2½"×1". " 0 3 3 3½" " · · · · " 0 1 50. Eye Pieces · · · · " 0 2	99. " " 12½ " " 1
" 3½" " · · · " " 0 1 50. Eye Pieces · · · · . " 0 2 2" " · · · · " 0 1 52. Perforated Flanged Plates, 5½" × 2½" 0 6	$100.$, , $5\frac{1}{2}$, , 1
$3.$ " $1^{\prime\prime}$ " $1^$	101. Healds, for Looms doz. 0
Crost Handles "	102. Single Bent Strips, for Loomseach 0
A. Wheels, 3" diam., with set screws , 0 9 53A. Flat Plates $4.1\% \times 21\%$. 0 4	103. Flat Girders, 5½" long ,, ,, 0
p. Pulley Wheels 3" diam with senter 51 D : 1 D : 1 C : 54 T	104. Shuttles , , , 1 105. Reed Hooks , , , , 2
boss and set screw, each 1 0 56. Instruction Manuals, No. 1, 2, 6; No. 2, 1/3	
Flanged Wheels, 0 9 57. Hooks each 0 1	
Bellev Wheels 2' the state	
boss and set screw, each 0 9 58. Spring Cord, per length	
11"	108. Architraves ,, 0
$1\frac{1}{3}$ ", ", ", ", 0 9 59. Collars with Set Screws ", 0 3 6 60. Double Angle Strips. $2\frac{1}{3}$ " \(\) 0 11	109. Face Plates, 2½" diam
	110. Rack Strips, $3\frac{1}{2}$ ", 0 111. Bolts, $\frac{3}{4}$ " 0
A. 1" without 0. 3 60 A $1\frac{1}{3}$ " $\times \frac{1}{3}$ " 0. 1 0. 2 60 B 3\frac{1}{3}\tilde{\chi} \tilde{\chi} \ch	111. Boits, 3"
$\frac{1}{3}$ " , , , , , , , 0 2 60B , $\frac{3}{3}$ " $\frac{1}{3}$ " 0 2 A. $\frac{1}{3}$ " , with , , 0 6 60c $\frac{5}{5}$ " $\frac{1}{3}$ " 0 3	112. Double Angle Strips, $2\frac{1}{2}'' \times 1\frac{1}{2}''$ 0
	113. Girder Frames 0
Bush Wheels , 0 8 61. Windmill Sails , 0 3 Pinion Wheels , 4" diam , 1 3 62. Cranks 0 6	114. Hinges per pair 0 115. Threaded Pins each 0 120. Buffers , 0
" " " " " " " " " " " " " " " " " " "	115. Threaded Pins each 0
	120. Buffers
Gear wheels, 50 teeth to gear with 63. Couplings , 0 9	121. Train Couplings " 0
1"	
Contents of No. 0 Outfit.	
	44. Cranked Bent Strip 1
	52. Perforated Flanged Plate, 5½ × 2½ 1
	54. Perforated Sector Plate 1
2. Angle Brackets 8 35. Spring Clips	Manual of Instructions, No. O 1
	57. Hook
9. Small Crank Handle 1 40. Hank of Cord 1	60. 2½" Bent Strips 2

Price List

No. 0.	Meccano	Outfit								6/-
No. 1.	,,	• •	•••		•••		•••		•••	10/-
No. 2.	"	,,,	•••		•••	•••			•••	20/-
No. 3.	, ,,,	,,						•••	•••	30/-
No. 4.	,,	,,			•••		•		•••	50/-
No. 5.	,,	,,	•••		P	acked in nea	at and well-n	ade cardboa	rd box	70/-
Do.	,,	Present	ation	Outfit	Pac	cked in super	ior oak cabin	et with lock	and key	100/-
No. 6.	,,	,,		,,		Ditto	ditto	ditto		180/-
No. 0A. Meccano Accessory Outfit (containing sufficient parts to convert a Meccano No. 0 Outfit into a No. 1)								5/-		
No. 1A.	,,"	,,		,,	(contain	ing suffi	cient par nto a No	ts to co		11/-
No. 2A.	,,,	,,		,,	(contain	ing suffi	cient par nto a No	ts to con	avert	12/-
No. 3A.					(contain	ing suffi	cient par	ts to con	nvert	22/-
No. 4A.	"	"		.,,			nto a No cient par		nvert	17/6
	"	"		"			nto a No			And the second
No. 5A.	. ,	,		**	a No. 5	Outfit i	nto a No	. 6)		65/-
Do.	,	,,,		,,			t and well-m ior oak cabine			95/-
Meccano	Inventor	s' Acc	essory	Out	fit A					10/-
,,	,,		,	,,,	В	•••	٨	•••	•••	25/-

