

THE NEW MECCANO



Engineering for Boys

THE NEW MECCANO

NEW PARTS

BIGGER OUTFITS

MORE MODELS

Engineering for Boys

The Meccano system is composed of some two hundred different parts, mostly made of steel or brass, each one of which has a specified mechanical purpose. These parts combine to form a complete miniature engineering system with which practically any movement known in mechanics may be duplicated.

The finest machines are used in the manufacture of Meccano parts, which are all standardised and interchangeable.

Model-building with Meccano

The best feature of Meccano is that it brings the engineering wonders of the world into your own home. You can commence to build models—real engineering structures in miniature—immediately you open your Outfit. No study or previous experience is necessary. A beautifully illustrated Book of Instructions, included with every Outfit, makes Meccano model-building delightfully simple. The only tool required is a screw-driver, and even this is provided in your Outfit.

The New Meccano in Colours

Already known as the greatest constructional system in the world, Meccano now has an additional attraction—the steel parts are richly enamelled in red and green. Thus, not only are Meccano models real engineering structures in miniature, but they are also objects of beauty and charm. Each one you build, as it is completed and “tuned up,” will give you a thrill of pleasure such as you have never previously experienced.

Hundreds of Models

There is no limit to the number of models you can build with the New Meccano—Cranes, Motor Cars, Ship-Coalers, Machine Tools, Locomotives—in fact everything that interests boys. The most wonderful thing about Meccano is that it is *real engineering*; it is fascinating and delightful and yet so simple that even an inexperienced boy may join in the fun without first having to study or learn anything.

Meccano Boys Build and Invent

The training of the eye, brain and hand in erecting Meccano models is considerable, and there is also developed a faculty of immense value to every boy. No boy is content to build the models just as he finds them; it is always possible to improve, and he sets to work to do this almost at once. It is a boy's nature to venture into unknown fields, and the Meccano hobby opens up a new and wide world for him to explore. He very soon proceeds to invent, and new models and designs, the creation of his own brain, make their appearance.

How to Begin

The New Meccano is sold in nine different Outfits, numbered 00 to 7. All Meccano parts are of the same high quality and finish, but the larger Outfits contain a greater quantity and variety of parts, making possible the construction of more elaborate models. Each Outfit may be converted into the one next higher by the purchase of an Accessory Outfit (see page 8). Thus, if a No. 2 is the first Outfit bought, it may be converted into a No. 3 by adding to it a No. 2A. A No. 3A would then convert it into a No. 4 and so on up to No. 7. In this way, no matter with what Outfit you commence, you may build it up by degrees to a No. 7.

Meccano parts may be bought separately at any time in any quantity (see illustrated list on pages 10 and 11).

THE NEW MECCANO

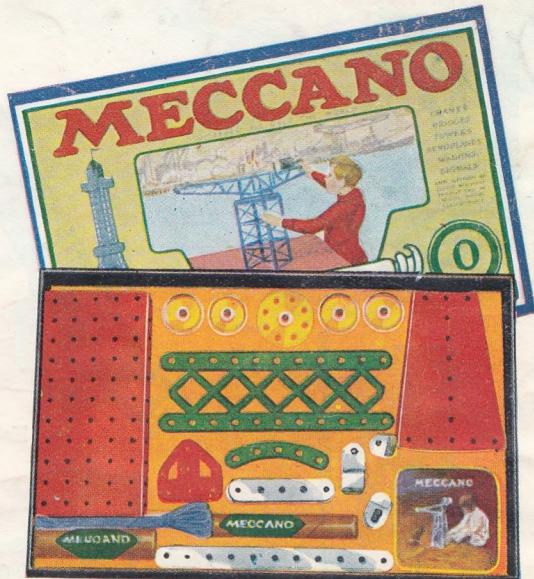
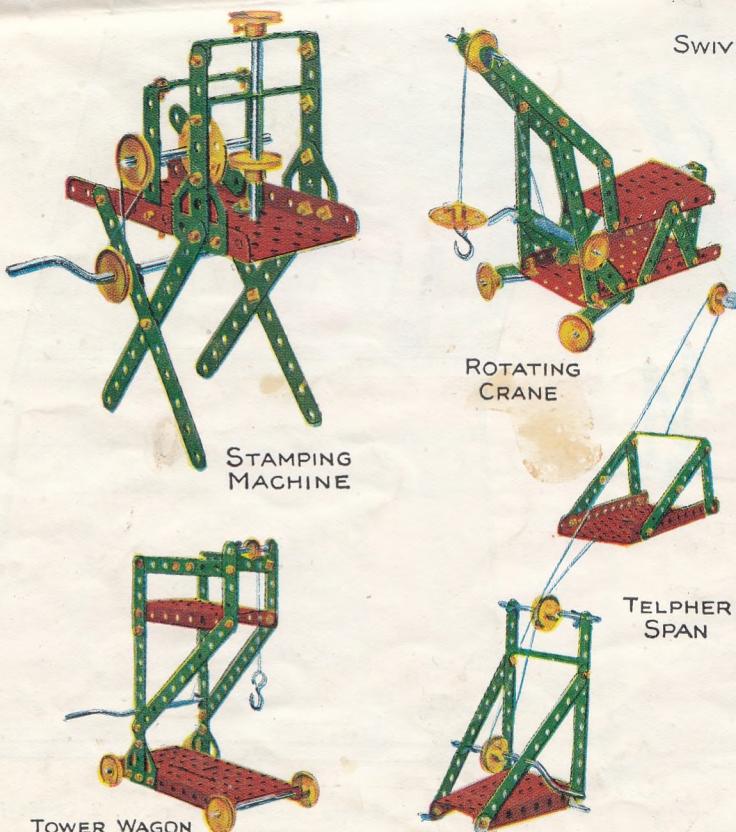
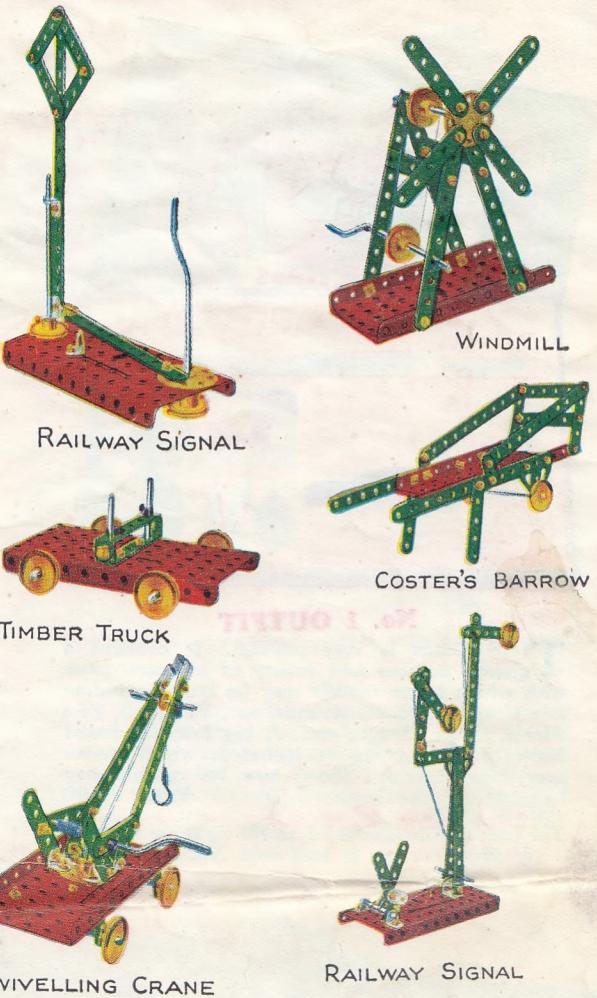


No. OO OUTFIT

THE No. OO Outfit is specially adapted to the requirements of very young boys. An Instruction Sheet, showing how 42 simple models may be constructed, is included in the Outfit. This fine range of models includes Trucks, Barrows, Jib and Swivelling Cranes, Potter's Wheel, Windmill, etc.

Price \$1.25

The six models illustrated on the right are examples of those that can be built with No. OO Outfit.



No. O OUTFIT

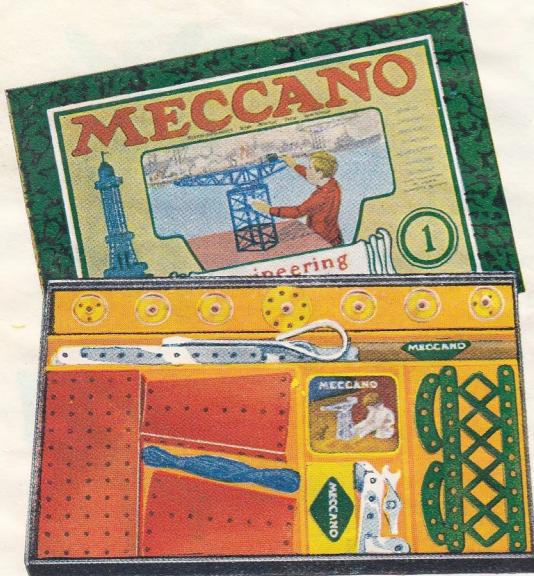
THE No. O Outfit contains a good assortment of Meccano Strips, Rods, Wheels, Plates, Nuts, Bolts, etc., and a special Book of Instructions for building 70 fine working models. Everything necessary for commencing to build immediately is included.

Price \$2.00

The above is a selection of No. O Outfit models.

NOTE.—Meccano parts may be purchased separately in any quantity. See illustrated list on pages 10 and 11.

THE NEW MECCANO



No. 1 OUTFIT

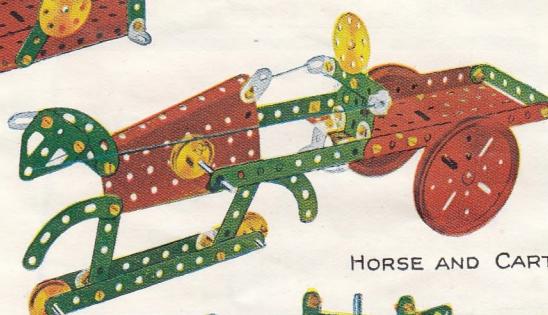
THIS Outfit is very popular. It contains a greater number and variety of Meccano parts with which larger models may be built, including fine Cranes, Trucks, Roundabout, Windmill, Fire Alarm, Snow Plough, etc. A big fully-illustrated Book of Instructions is included, which makes everything clear and shows how 100 models may be made with the Outfit.

Price \$3.00

The four models illustrated on the right are examples of those that can be built with No. 1 Outfit.



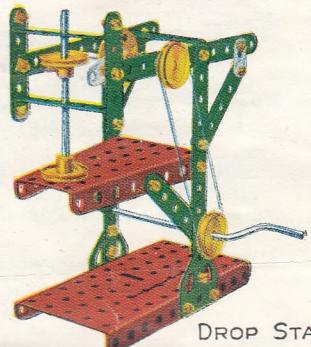
GANTRY CRANE



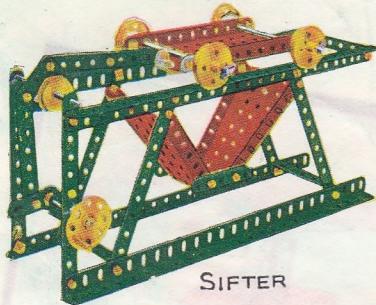
HORSE AND CART



JIB CRANE



DROP STAMP



SIFTER



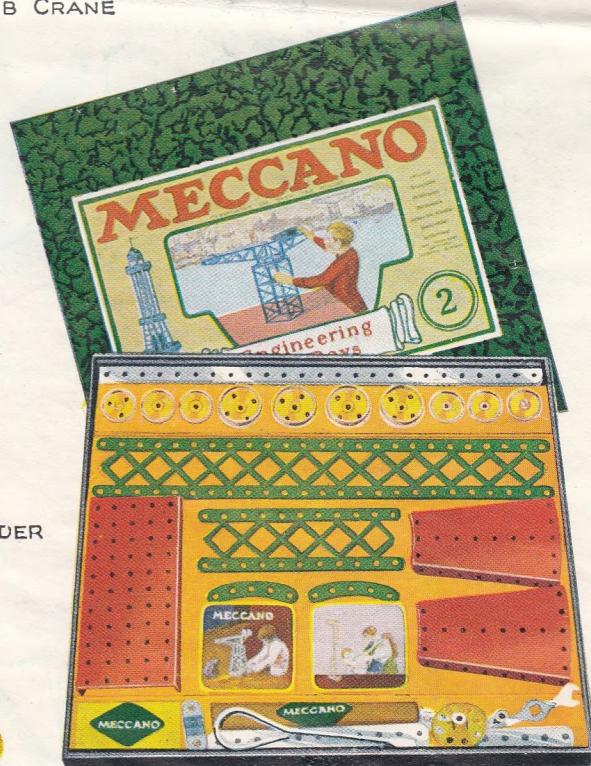
EXTENDING LADDER



EMBOSSING MACHINE

The above are examples of the models that can be built with No. 2 Outfit.

NOTE.—Meccano parts may be purchased separately in any quantity. See illustrated list on pages 10 and 11.



No. 2 OUTFIT

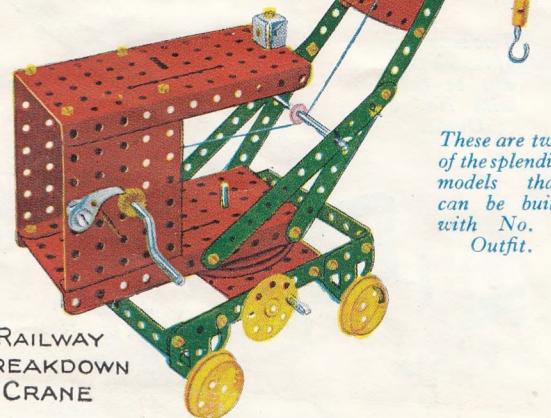
THE fortunate possessor of a No. 2 Outfit is able to build up models of a more complicated and interesting type including Large Cranes, Motor-Wagons, Roundabouts, Mechanical Hammer, etc.

Price \$6.00

THE NEW MECCANO



HAND TROLLEY



RAILWAY
BREAKDOWN
CRANE

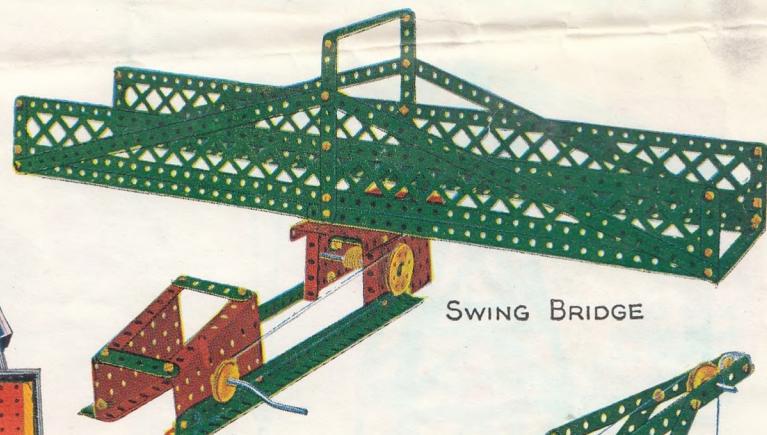
*These are two
of the splendid
models that
can be built
with No. 3
Outfit.*



No. 3 OUTFIT

THIS excellent Outfit contains many parts of an advanced engineering type, and is a splendid Outfit for a boy who takes a real interest in engineering subjects. A big Book of Instructions, showing how to build 206 models, is included.

Price \$9.00

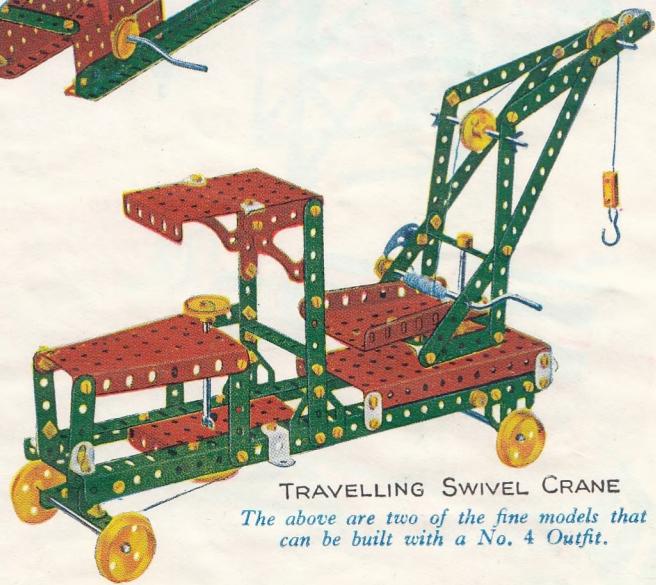


SWING BRIDGE



No. 4 OUTFIT

THIS is a fine substantial Outfit containing a big selection of Meccano parts. A much larger Book of Instructions is provided with this Outfit. Price \$15.00



TRAVELLING SWIVEL CRANE

The above are two of the fine models that can be built with a No. 4 Outfit.

NOTE.—Meccano parts may be purchased separately in any quantity. See illustrated list on pages 10 and 11.

THE NEW MECCANO



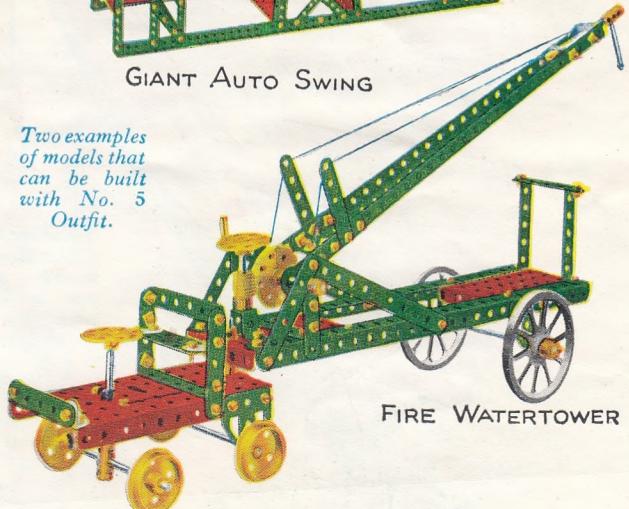
No. 5 OUTFIT

THE No. 5 Outfit is supplied either in a stout carton or in a handsome oak cabinet with lock and key. The contents are the same in each case. A big Book of Instructions is included, showing how to build 309 models.
 Price (packed in well-made carton) \$20.00
 Price (packed in superior oak cabinet) \$30.00

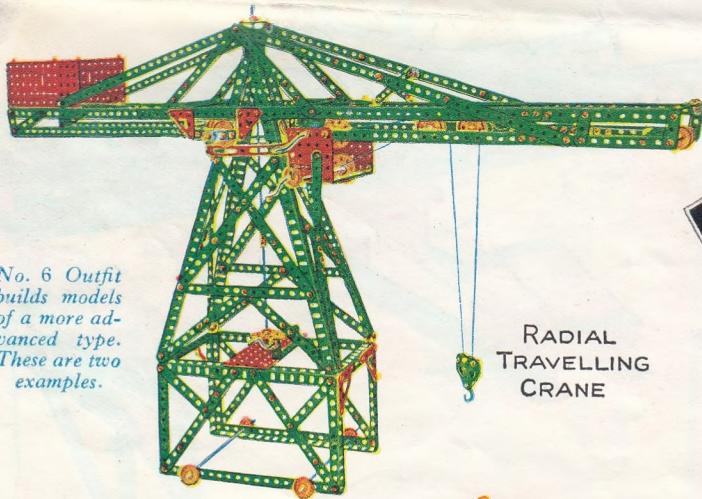


Giant Auto Swing

Two examples of models that can be built with No. 5 Outfit.

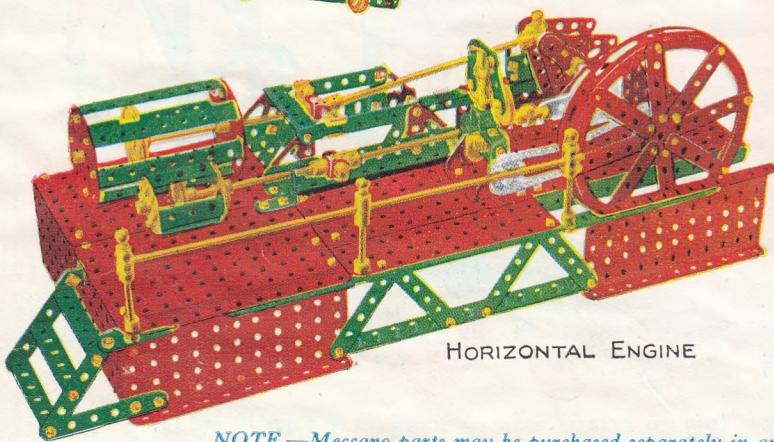


FIRE WATERTOWER



No. 6 Outfit builds models of a more advanced type. These are two examples.

RADIAL TRAVELLING CRANE



HORIZONTAL ENGINE

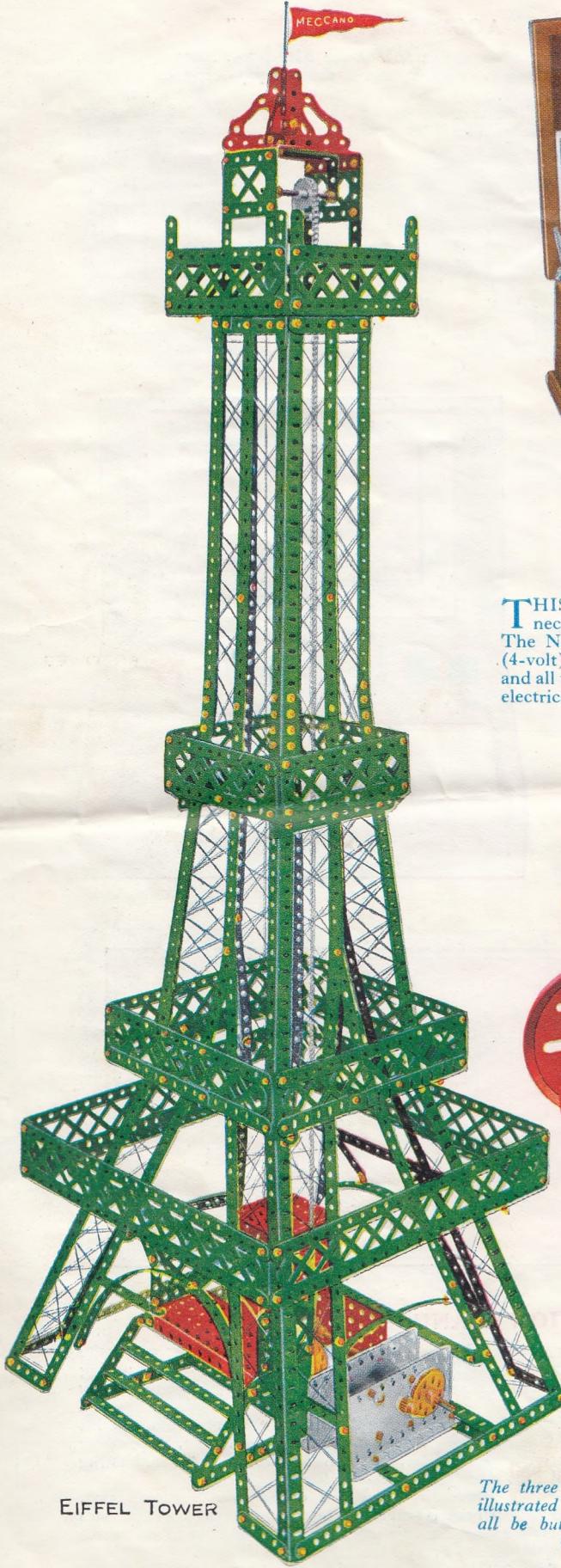


No. 6 OUTFIT

THIS Outfit is supplied either in a stout carton or in a handsome oak cabinet. With it may be constructed all the models of the earlier Outfits, and many more—359 in all.
 Price (packed in strong carton) \$37.50
 Price (packed in superior oak cabinet) \$50.00

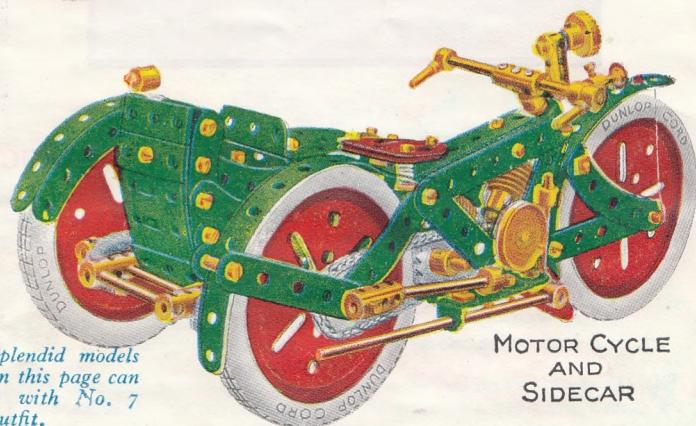
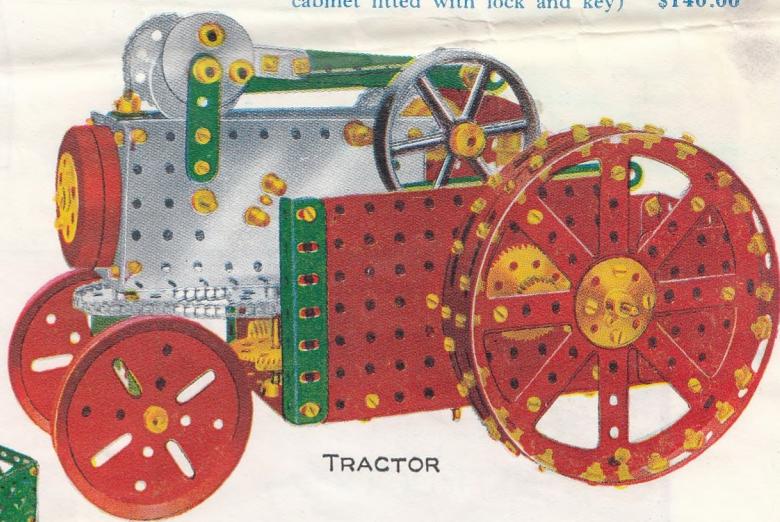
NOTE.—Meccano parts may be purchased separately in any quantity. See illustrated list on pages 10 and 11.

THE NEW MECCANO



THIS is a complete and comprehensive Outfit, containing all the parts necessary to build each of the models in the new big Manual of Instructions. The No. 7 Outfit also contains a Clockwork Motor, Electric Motor No. 1 (4-volt) and 4-volt Accumulator, a selection of all the new Meccano parts and all the Meccano electrical accessory parts, with full instructions for building electrical models.

Price (packed in beautifully-finished oak cabinet fitted with lock and key) \$140.00



The three splendid models illustrated on this page can all be built with No. 7 Outfit.

NOTE.—Meccano parts may be purchased separately in any quantity. See illustrated list on pages 10 and 11.

THE NEW MECCANO



ACCESSORY OUTFITS

OUR illustration shows one of the Meccano Accessory Outfits. As has already been explained, these Outfits connect the main Outfits from No. 00 to No. 7, making it possible for a boy who commences with one of the earlier Outfits to build up his equipment by easy stages, until he is the possessor of parts that cover the entire system.

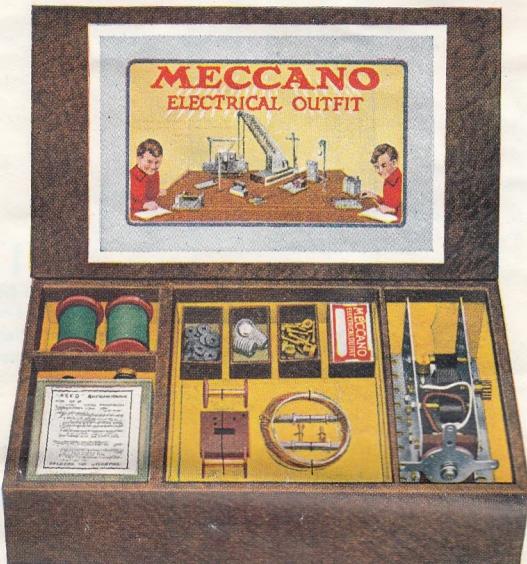
		Price
No. 00a converting No. 00 into No. 0	- - -	.75
" 0a " " 0 " " 1 "	- - -	1.25
" 1a " " 1 " " 2 "	- - -	3.00
" 2a " " 2 " " 3 "	- - -	3.00
" 3a " " 3 " " 4 "	- - -	6.00
" 4a " " 4 " " 5 "	- - -	5.00
" 5a* " " 5 " " 6 "	- - -	17.50
" 5a† " " 5 " " 6 "	- - -	28.50
" 6a† " " 6 " " 7 "	- - -	82.50

* Carton. † Wood.

ELECTRICAL OUTFIT

THE application of Electricity to the Meccano system adds a further and wonderful charm. The joys of model-building are now increased by the fascinating pastime of carrying out delightful electrical experiments. The Meccano Electrical Outfit contains a number of specially designed electrical accessory parts and, used in conjunction with any of the regular Outfits, enables the user to construct models for making interesting and instructive experiments. These include the Electric Railway, Morse Key, Tapper Key, Buzzer, Electric Lamps, Electric Crane, Induction Coil, Electric Iron, Motor-Starter, etc.

Price \$15.00



MECCANO INSTRUCTION MANUALS

THE Complete Meccano Manual of Instructions is beautifully illustrated and contains all directions necessary for the construction of 400 splendid models. It includes a large number of entirely new models—Transporter Bridge, Rotating and Hydraulic Cranes, Steam Shovel, Travelling Gantry, Dredger, Lathe, Meccanograph, Coal Cutting Machine and many others of special interest.

Price \$1.00 each (postage extra).

The Meccano 0-3 Manual comprises a section of the above Complete Manual illustrating the models that may be built with Nos. 00, 0, 1, 2 and 3 Outfits. It gives full instructions for building 206 fine models, including Fire Escape, Wire-Rope Maker, Roundabout, Railway and Travelling Cranes, Scales, Oscillating Steam Engine, Pile Driver and many other interesting and instructive models that will provide hours of fun. Beautiful illustrations in half-tone throughout.

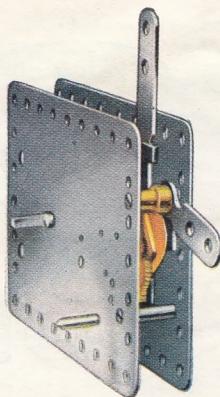
Price \$0.35 each (postage extra).

Every Meccano boy should possess a copy of the Meccano Standard Mechanisms Manual. This splendid Manual illustrates and describes a number of Meccano movements that have to a certain extent become standardised. That is to say, these movements may be applied to more than one model and are of general use to every Meccano model builder.

Price \$0.35 each (postage extra).

THE NEW MECCANO

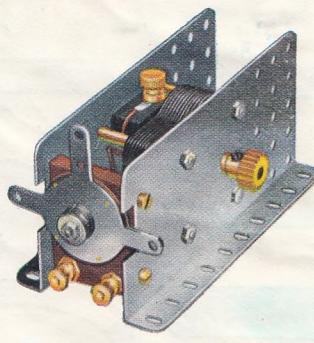
MECCANO CLOCKWORK AND ELECTRIC MOTORS, ETC.



CLOCKWORK MOTOR

THIS is a splendid piece of mechanism, simple, powerful, reliable and free from all danger. It is fitted with starting, stopping and reversing levers, and all its movements are fully explained in the instructions that accompany it.

Price \$3.00



Meccano Electric Motor No. 1
(4-Volt)

Meccano Electric Motor No. 2
(100-250-Volt AC or DC)



ELECTRIC MOTOR NO. 1

THIS motor is a reliable and powerful model and is specially designed to build into Meccano models. It may be run by a 4-volt accumulator or, by employing a suitable transformer, direct from the main. Fitted with reversing motion, provided with stopping and starting controls, and the gearing is interchangeable.

Price \$5.50

THE MECCANO TRANSFORMER

BY means of this transformer the Meccano Electric Motor No. 1 may be operated direct from the house current. For 110 volts, 60 cycles, alternating current only. Price \$3.00

ELECTRIC MOTOR NO. 2

THIS Electric Motor may be employed for any purpose for which a small motor is suitable, but it is specially adapted for driving Meccano models. It is designed for connection with the electric light main (100-120 volts or 200-250 volts, alternating or direct) and a length of flex, with an insulated plug and adaptor attached, is supplied for this purpose. A suitable resistance is required when the motor is run with a 200-250 volt current, and this is supplied by connecting a 60-watt lamp in series with the motor. A board, on which are mounted a suitable lamp-holder (lamp not included) and a switch, is provided separately.

100-250 volt Motor	.....	.....	.....	.....	.....	.....	Price \$12.00
Lamp Board (with lamp holder and switch)	.....	.....	.....	.....	.....	.....	,, \$1.75

4-VOLT ACCUMULATORS

THESE new and excellent types of accumulators have been subjected to the severest tests and have proved themselves to be the most suitable accumulators for use with any type of 4-volt electric motor. They are specially recommended for use with the Meccano Electric Motor No. 1.

4-volt, 8 amp.	Price \$6.00	4-volt, 20 amp.	Price \$8.50
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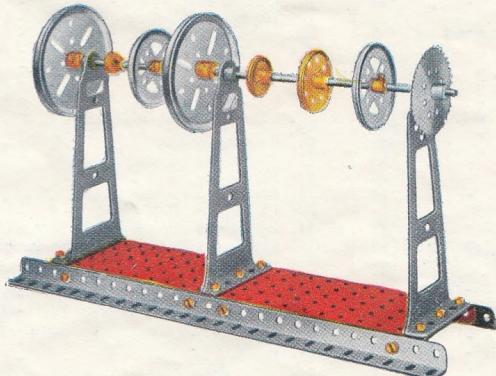
RESISTANCE CONTROLLER

THIS is a variable resistance for controlling the speed of the Meccano Electric Motor No. 1 (4-volt). It is designed for connection in series with the motor and the accumulator, or with the motor and the transformer if a transformer is used as the source of power. The Resistance Controller will not regulate the speed of a high-voltage motor connected to the main.

Price \$1.00



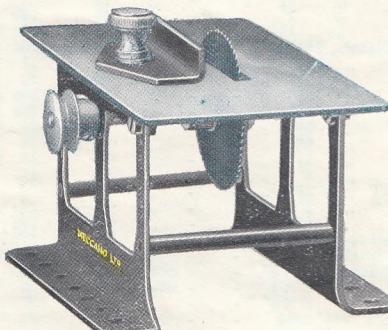
MECCANO SHAFTING STANDARDS



THESE Shafting Standards are designed on the Meccano system, with equidistant holes. Our illustration shows how strong and serviceable shafting may be constructed from Meccano parts with the aid of the Large Standard.

Prices : Large \$0.35, Small \$0.25

MECCANO SAW BENCHES

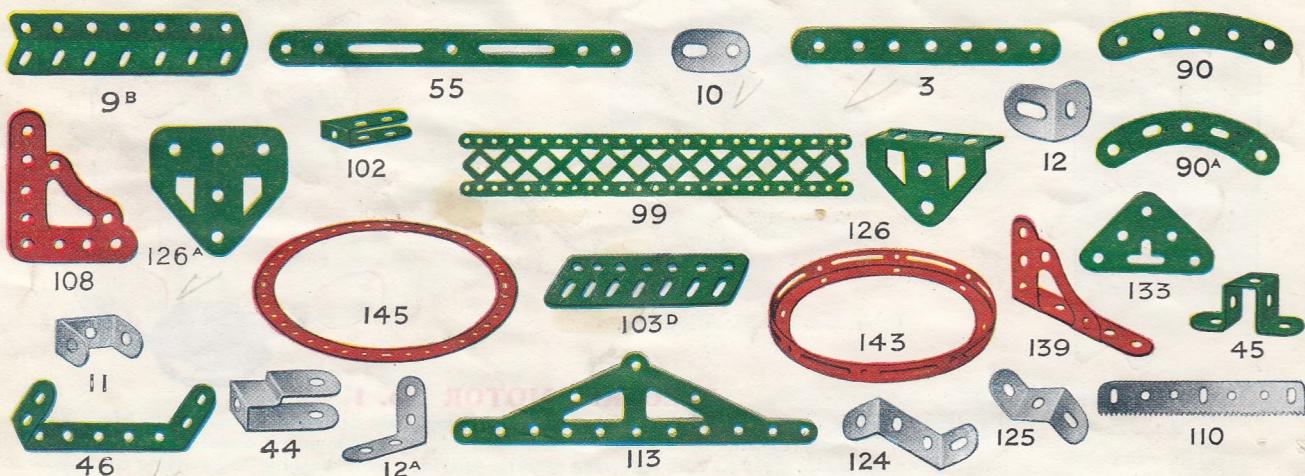


THIS model Saw Bench is suitable for use with an Electric or Clock-work Motor. By means of the equidistant holes in the base it may be built into a Meccano Model Workshop. Beautifully finished in black enamel and nickel.

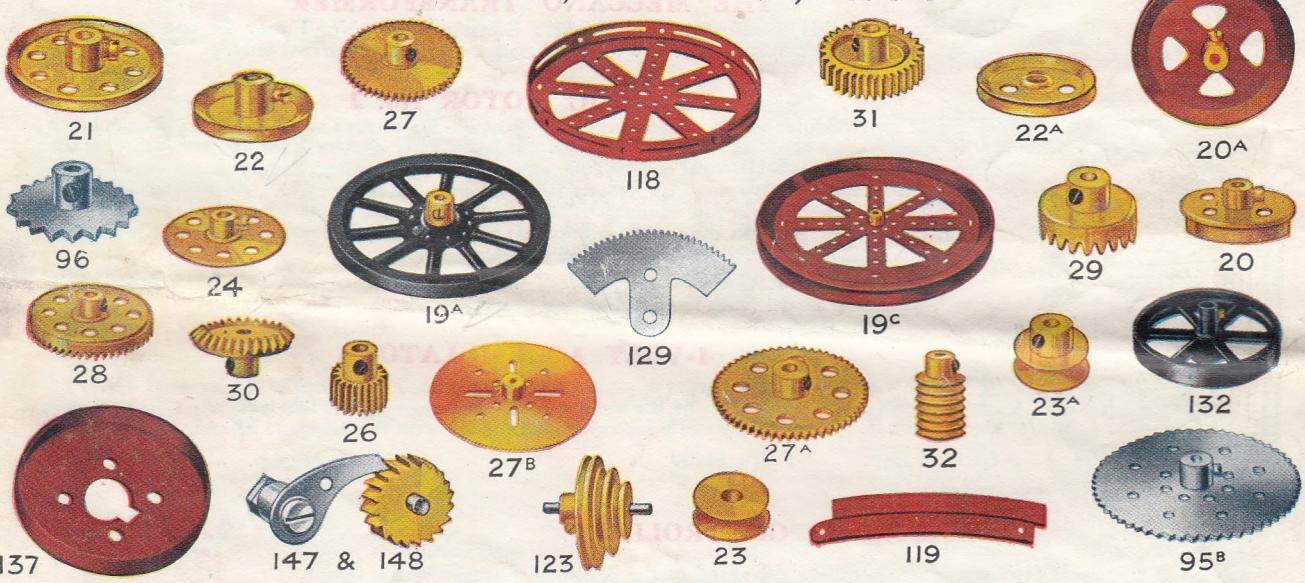
Price \$1.60

MECCANO ACCESSORY PARTS

STRIPS, GIRDERS AND BRACKETS



WHEELS, GEARS, ETC



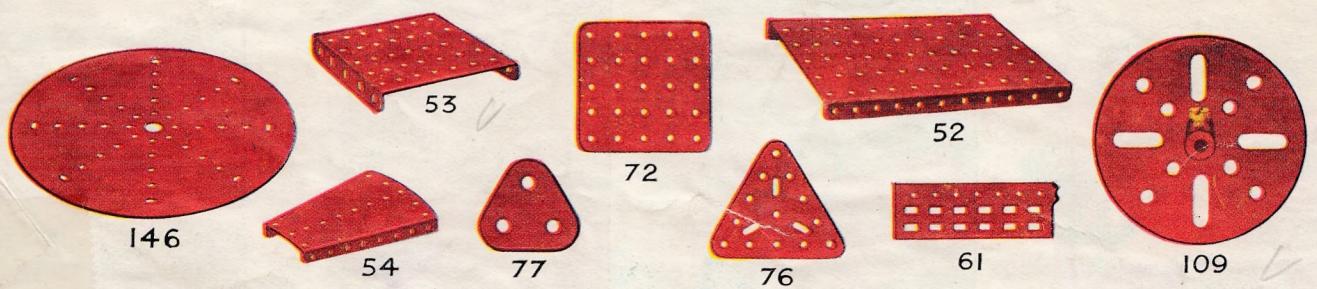
PARTICULARS AND PRICES OF MECCANO PARTS

No.			\$	No.			\$
1	Perforated Strips, 12½" long	-	½ doz. .45	17	Axle Rods, 2" long	-	each .03
1a	" " 9½"	-	" .35	18a	" " 1½" "	-	" .02
1b	" " 7½"	-	" .30	18b	" " 1" "	-	" .02
2	" " 5½"	-	" .25	19	Crank Handles	-	" .10
2a	" " 4½" "	-	" .20	19a	Wheels, Small	-	" .10
3	" " 3½" "	-	" .20	19a	Wheels, 3" diam., with set screws	-	" .20
4	" " 3" "	-	" .20	20	Flanged Wheels	-	" .25
5	" " 2½" "	-	" .15	19b	3" dia. with centre boss and set screw	-	" .25
6	" " 2" "	-	" .15	19c	6" "	-	" .85
6a	" " 1½" "	-	" .15	20a	2" "	-	" .20
7	Angle Girders, 24½" long	-	each .25	21	1½" "	-	" .20
7a	" " 18½" "	-	" .20	22	1" "	-	" .10
8	" " 12½" "	-	" .60	23a	½" "	-	" .10
8a	" " 9½" "	-	" .55	22a	1" " without	-	" .05
8b	" " 7½" "	-	" .50	23	½" "	-	" .05
9	" " 5½" "	-	" .45	24	Bush Wheels	-	" .15
9a	" " 4½" "	-	" .40	25	Pinion Wheels, ¾" diam.	-	" .25
9b	" " 3½" "	-	" .35	26	" Gear Wheels.	-	" .15
9c	" " 3" "	-	" .35	27	50 teeth to gear with ¾" pinion	-	" .30
9d	" " 2½" "	-	" .30	27a	57	-	" .35
9e	" " 2" "	-	" .25	27b	133	" " ½" "(3½" dia.)	" .65
9f	" " 1½" "	-	" .25	28	Contra Wheels, 1½" diam.	-	" .50
*10	Flat Brackets	-	" .05	29	Bevel Gears	-	" .30
*11	Double Brackets	-	each .03	30	Gear Wheels, 1", 38 teeth	-	" .65
*12	Angle Brackets, 1" × ½"	-	doz. .12	31	" " 32 teeth	-	" .65
*12a	" " 1" × 1"	-	each .05	32	Worm Wheels	-	" .25
*12b	" " 1" × ½"	-	" .03	34	Spanners	-	" .10
13	Axle Rods, 11½" long	-	" .10	34b	Box Spanners	-	" .10
13a	" " 8" "	-	" .10	35	Spring Clips	-	per box (doz.) .15
14	" " 6½" "	-	" .05	36	Screw Drivers	-	each .10
15	" " 5" "	-	" .05	36a	Extra Long	-	" .20
15a	" " 4½" "	-	" .05	37	Nuts and Bolts, 7/32" per box (doz.)	-	.15
16	" " 3½" "	-	" .05	37a	Nuts	-	" .05
16a	" " 2½" "	-	" .03				
16b	" " 3" "	-	" .03				
No. 37b Bolts, 7/32" - per box, (doz.) .10							
*38 Washers - " " .05							
40 Hanks of Cord - " each .05							
41 Propeller Blades - per pair .15							
43 Springs - " each .05							
*44 Cranked Bent Strips - " .05							
45 Double Bent Strips - " .05							
46 Double Angle Strips, 2½" × 1" - ½ doz. .30							
47 " " " 2½" × 1½" - .36							
47a " " " 3" × 1½" - .36							
48 " " " 1½" × ½" - .18							
48a " " " 2½" × ½" - .20							
48b " " " 3½" × ½" - .25							
48c " " " 4½" × ½" - .35							
48d " " " 5½" × ½" - .36							
50 Eye Pieces - " each .05							
52 Perforated Flanged Plates, 5½" × 2½" - .25							
52a Flat Plates, 5½" × 3½" - .15							
53 Perforated Flanged Plates, 3½" × 2½" - .20							
53a Flat Plates, 4½" × 2½" - .12							
54 Perforated Flanged Sector Plates - .20							
55 Perforated Strips, slotted, 5½" long - .05							
55a " " " 2" - .03							
56 Instruction Manuals, Complete - 1.00							
56a " " " No. 0-3 - .35							
56b " " " No. 0 - .10							
56c Standard Mechanisms - " .35							
57 Hooks - " " .02							
57a " (scientific) - " .02							
57b " Loaded - " .15							
58 Spring Cord - per length .30							
59 Collars with Set Screws - each .05							
61 Windmill Sails - " " .10							

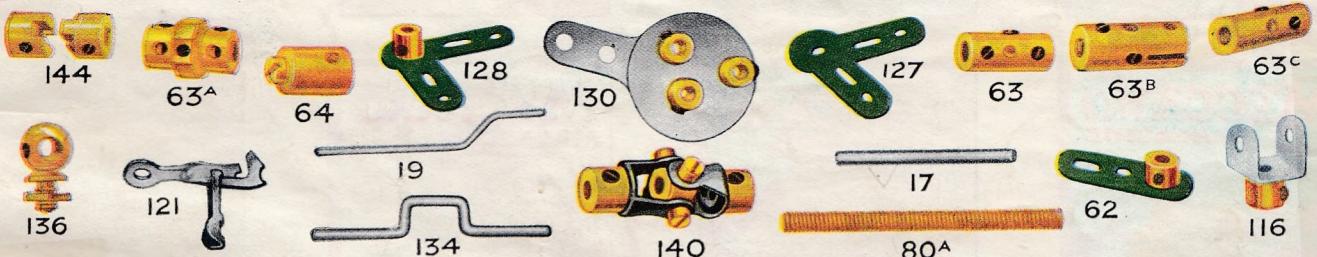
IMPORTANT—Meccano Accessory Parts will be supplied in colours unless customers ask specially for nickelated parts.
* These parts are available with nickel finish only.

MECCANO ACCESSORY PARTS

PLATES



RODS, CRANKS AND COUPLINGS.



MISCELLANEOUS



PARTICULARS AND PRICES OF MECCANO PARTS

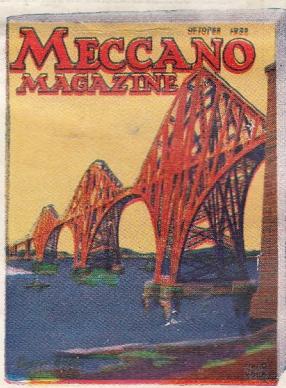
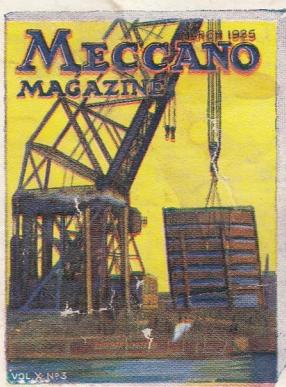
No.			\$	No.			\$	No.			\$	
62	Crank	-	each	.15	99	Braced Girders, 12½" long	.½ doz.	.75	120	Springs for Spring Buffers	each	.03
62a	Threaded Cranks	-		.15	99a	"	"	.60	*121	Train Couplings	-	.10
63	Couplings	-		.15	99b	"	" 7½"	.55	122	Miniature Loaded Sacks	-	.05
63a	Octagonal Couplings	-		.20	100	"	" 5½"	.50	123	Cone Pulleys	-	.50
63b	Strip Couplings	-		.20	100a	"	" 4½"	.35	*124	Reversed Angle Brackets, 1"	.½ doz.	.25
63c	Threaded Couplings	-		.20	101	Heads, for looms	-	.45	*125	"	" ½"	.20
64	Threaded Bosses	-		.06	102	Single Bent Strips	-	.05	126	Trunnions	-	.10
65	Centre Forks	-		.10	103	Flat Girders, 5½" long	.½ doz.	.60	126a	Flat Trunnions	-	.06
66	Weights, 50 grammes	-		.20	103a	"	" 9½"	.72	127	Simple Bell Cranks	-	.10
67	" 25	-		.15	103b	"	" 12½"	.90	128	Boss Bell Cranks	-	.15
68	Wood screws, ½"	-	doz.	.10	103c	"	" 4½"	.60	*129	Rack Segments, 3" diam.	-	.20
69	Set Screws	-		.10	103d	"	" 3½"	.60	*130	Triph Throw Eccentrics	-	.45
69a	Grub Screws, 5/32"	-		.10	103e	"	" 3"	.48	131	Dredger Buckets	-	.10
69b	" 7/32"	-		.15	103f	"	" 2½"	.48	132	Flywheels, 2½" diam.	-	.75
70	Flat Plates, 5½" X 2½"	-	each	.15	103g	"	" 1½"	.36	133	Corner Brackets	-	.10
72	" 2½" X 2½"	-		.10	103h	"	" 7½"	.30	*134	Crank Shafts, 1" stroke	-	.10
76	Triangular Plates, 2½"	-		.05	103k	"	" 7½"	.72	135	Theodolite Protractors	-	.10
77	" 1½"	-		.04	*104	Shuttles, for looms	-	1.20	136	Handrail Supports	-	.10
78	Screwed Rods, 11½"	-		.30	105	Reed Hooks, for looms	-	.10	137	Wheel Flanges	-	.15
79	" 8"	-		.25	106	Wood Rollers	-	.40	138	Ship's Funnels	-	.20
79a	" 6"	-		.20	106a	Sand Rollers	-	.45	139	Flanged Brackets (right)	-	.10
80	" 5"	-		.15	107	Tables for Designing Machines	-	.25	139a	" (left)	-	.10
80a	" 3½"	-		.12	108	Architraves	-	.09	140	Universal Couplings	-	.30
80b	" 4½"	-		.12	109	Face Plates, 2½" diam.	-	.20	141	Wire Lines (for suspending clock weights)	-	.30
81	" 2½"	-		.10	*110	Rack Strips, 3½"	-	.10	142a	Dunlop Tyre, to fit 2" diam. rim	-	.15
82	" 1½"	-		.05	111	Bolts, 3/4"	-	.02	142b	" 3"	-	.25
89	Curved Strips, 5½"	-		.05	111a	" 2½"	2 for	.02	143	Circular Girders, 5½" diam.	-	.40
90	" 2½" large radius	½ doz.		.25	111c	" 2½"	doz.	.10	144	Dog Clutches	-	.30
90a	" 2½" small radius	-		.25	113	Girder Frames	-	.10	145	Circular Strips, 7" diam. over all	-	.50
94	Sprocket Chain - per 40" length	-		.25	*114	Hinges	-	.20	146	Plates, 6"	-	.60
*95	Sprocket Wheels, 2" diam.	-	each	.25	115	Threaded Pins	-	.05	*147	Pawls, with pivot bolt and nuts	-	.10
*95a	" 1½"	-		.25	*116	Fork Pieces	-	.10	*147a	Pawls	-	.06
*95b	" 5/8"	-		.30	117	Steel Balls, ¾" diam.	-	.20	*147b	Pivot Bolt with nuts	-	.06
*96	" 3½"	-		.20	118	Hub Discs, 5½" diam.	-	.50	148	Ratchet Wheels	-	.30
*96a	" 3"	-		.20	119	Channel Segments (8 to circle, 11½" diam.)	-	.15	149	Collecting Shoes, for Electric Locos.	-	.65
97	Braced Girders, 3½" long	-	½ doz.	.20	120	Buffers	-	.05				
97a	" 3"	-		.18	120a	Spring Buffers	-	.25				
98	" 2½"	-		.15								

IMPORTANT—Meccano Accessory Parts will be supplied in colours unless customers ask specially for nickelelled parts.

*These parts are available with nickel finish only.

THE
"MECCANO MAGAZINE"

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THE *Meccano Magazine*, published in the interests of boys, contains splendid articles on such subjects as Railways, Famous Engineers and Inventors, Electricity, Bridges, Cranes, Wonderful Machinery, Aeroplanes, Latest Patents, Radio, Stamps, Photography and Books. New Meccano models and new parts are announced from time to time; special competitions are arranged for Meccano boys, and there are articles also for owners of Hornby Trains.

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