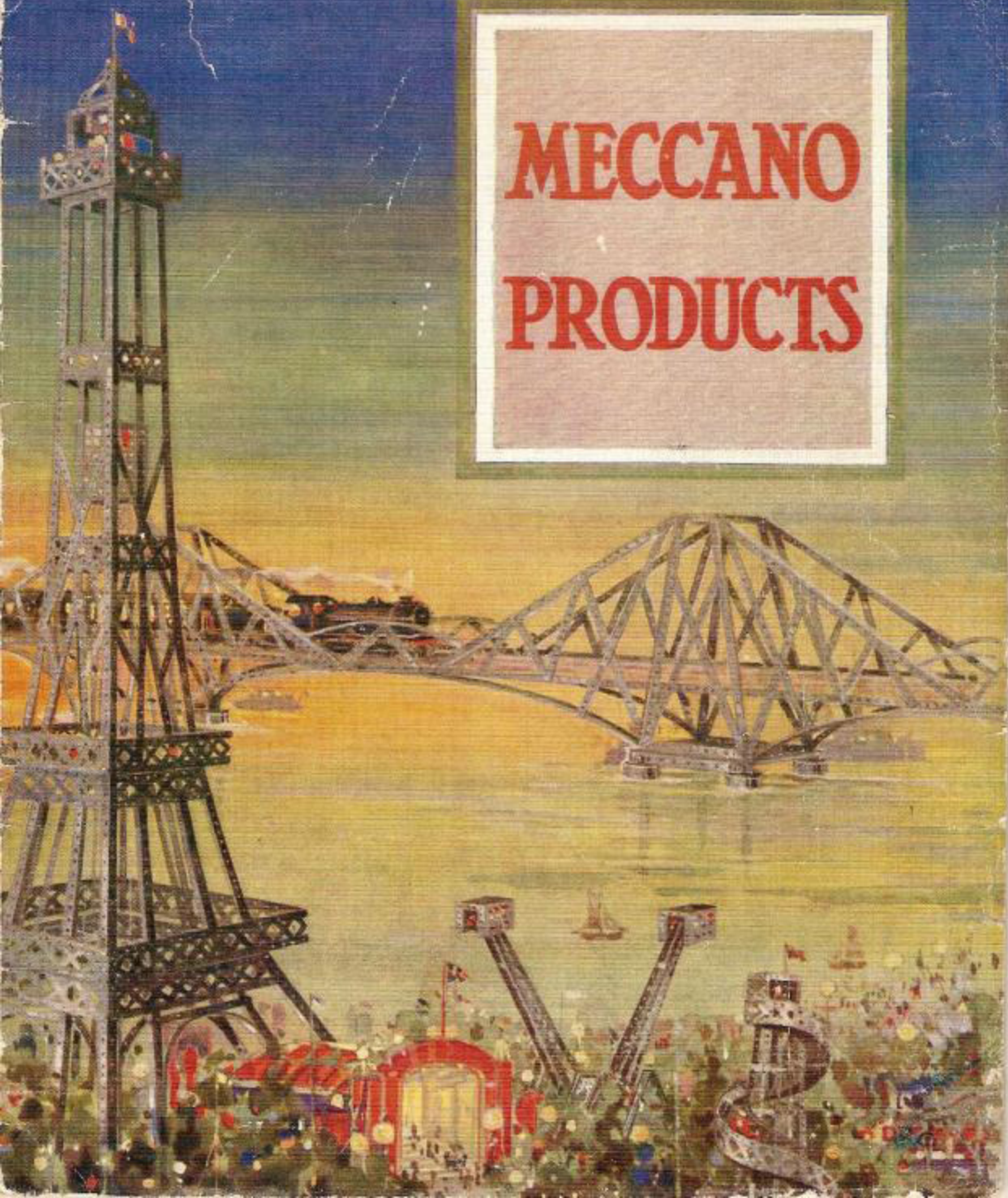


MECCANO
PRODUCTS



Published by
MECCANO LTD.
LIVERPOOL.



Pie Head Gear



Fire Escape



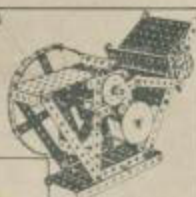
Punching Machine



Eiffel Tower



Caterpillar and Gun



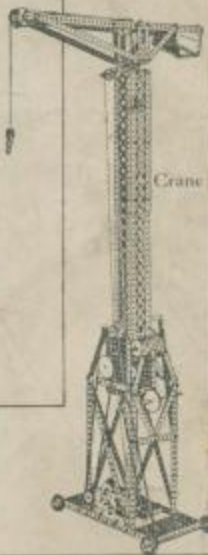
Printing Machine



Girder Crane



Lever Balance

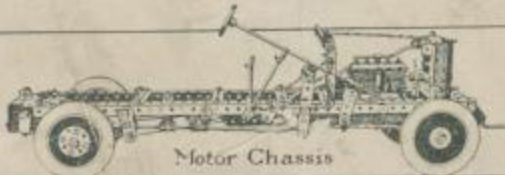


Crane

MECCANO.

WHEN a boy takes up Meccano he begins his life afresh in a land of pleasure and brightness. A Meccano boy's life is different from the life of any other boy. He is a member of a great community of a million other boys, all friends, all with interests, pleasures and work in common. They live in a wonderful world of their own. They have their own newspaper, their clubs and meeting places. They are members of a Guild of boys who have sworn to extend the hand of friendship to each other, to play and work together and to live clean and upright lives. They have their badges so that they may recognise and know each other wherever they may meet.

The bond which unites them in such close harmony is Meccano, the building system invented by Frank Hornby twenty years ago and now brought to an extraordinary state of perfection. This book will tell you all about the Meccano hobby, what it is, and what it will do. If you do not actively pursue this hobby you are missing endless fun and pleasure and sacrificing the friendship and help of a million other clever and contented boys. You are also depriving the other boys of your friendship and help. They want you, and they ask you to join them in their happy pursuits.



Motor Chassis

MECCANO.

Engineering for Boys

The parts of which the Meccano system is composed are illustrated on pages 18, 19 and 20. There are over one hundred different parts, mostly made of steel or brass, and each one has a specified mechanical purpose. The parts combine to form a complete engineering system with which practically any movement known in mechanics may be constructed.

The finest machines are used in the manufacture of Meccano parts, which are all standardised and interchangeable. The steel parts are heavily coated with nickel and the brass parts are finely finished and lacquered.

By employing these parts any boy may build all the hundreds of working models shown in the Meccano literature—and this without previous knowledge or study. He may build Cranes, Wagons, Bridges, Towers, etc., using the same parts over and over again. A well-illustrated Book of Instructions is included in each Outfit, and he is in no difficulty at any time.

The training of the eye, brain and hand in erecting Meccano models is very great, but there is also developed a faculty of immense value to every boy. No Meccano boy is content to build the models just as he finds them; it is always possible to improve and the boy 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. Knowing this we give him encouragement by offering prizes for new models; in the last few years some hundred thousand models have been submitted to us for adjudication, and many hundreds of pounds have been distributed in prizes to inventive boys.

How to Begin

For convenience Meccano parts are sold in eight Outfits of varying size, numbered 0 to 7. The quality and finish of the parts are of the same high standard throughout the series, but as the Outfits increase in size they contain larger quantities and greater varieties of parts. Each Outfit may be converted into the one next higher by the purchase of an Accessory Outfit (see page 6). 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 the boy commences he may build it up by degrees to a No. 7 and so be able to make all of the many hundreds of models shown in the Books of Instructions.

The separate Meccano parts may be bought at any time in any quantity (see pages 18, 19 and 20).



No. 0 OUTFIT

THE No. 0 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, including Trucks of all kinds, Wheel-barrows, Potter's Wheel, Signals, Drilling, Sawing and Stamping Machines, Cranes, etc., each a perfect toy, capable of giving hours of fun. Everything necessary for commencing to build immediately is included.

Price 5/-

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 8/6



No. 2 OUTFIT

THE fortunate possessor of a No. 2 Outfit is able to build up models of a more complicated and interesting type. Large Cranes, Gangways, Motor Wagons, Roundabouts, well-constructed Monoplane, Turntable, Joy Wheel, Mechanical Hammer, etc., all designed on sound engineering principles, with hours of pleasure stored up in each. This is a splendid commencing Outfit. As in all Meccano Outfits, full instructions for building are provided, everything requisite is included in the Outfit, and there is nothing further to buy. No study is necessary, and the youngest boy can commence to build as soon as he gets his Outfit home.

Price 15/-





No. 3 OUTFIT

THIS excellent Outfit contains many parts of an advanced engineering type. They include correctly-cut gear wheels, worm wheels, pinion wheels, collars with set screws, cranks and strips in greater variety. It is a splendid Outfit for a boy who takes a real interest in engineering subjects. The Cranes and Bridges that it builds are of a better type, and in addition such excellent models as Pile Driver, Tower Wagon, Flax Cleaner, Oscillating Steam Engine, Wire Rope Maker, Pit Head Gear, and Fire Escape, etc., may be constructed. It is packed in a stout box with wooden sides and includes a big Book of Instructions showing how to build 206 models.

Price 22/6

No. 4 OUTFIT

THIS is a fine substantial Outfit containing a large selection of Meccano parts. Engineering parts such as contrate wheels (that enable the user to construct reversing gears, etc.) greatly improve the working of the models, and make possible a variety of new movements and mechanisms. Amongst the No. 4 models illustrated in the Manual are Travelling and Girder Cranes, Swivelling and Luffing Jib Cranes, Cable Railway, Swing Bridge, Sextant and Theodolite, Anti-Aircraft Gun, etc. A much larger Book of Instructions is provided with this Outfit, showing how to construct 263 working models.



Price 40/-



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. The building possibilities are very greatly increased and with it fine engineering models may be constructed. These include a Farm Tractor, Field Gun and Carriage, Motor Plough, Vertical Drill, Giant Auto Swing, an improved Pit Head Gear, Beam Scales, etc. A big Book of Instructions is included, showing how to build 309 models. The Carton Outfit is strong and servicable, the carton itself being stoutly made with partitions for the various parts and it will last for

years. The Cabinet Outfit is very handsome, the cabinet being made of oak, French-polished. This Outfit makes a splendid present.

Price (packed in well-made carton) 55/-
 Price (.. .. superior oak cabinet with lock and key) 85/-

No. 6 OUTFIT

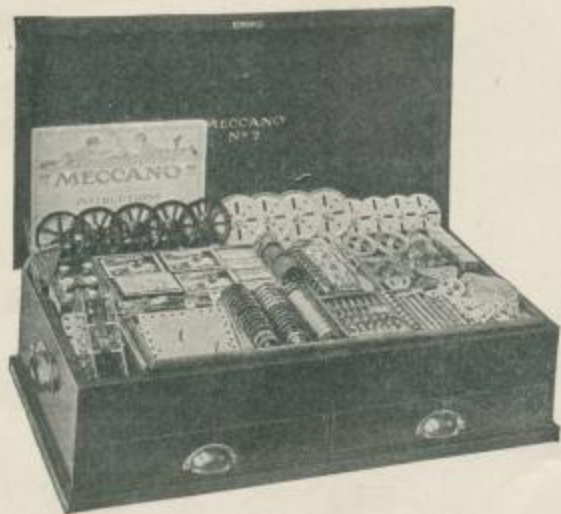
THE No. 6 Meccano Outfit contains a very fine range of Meccano parts. With it may be constructed all the models of the earlier Outfits, and many more, including a Big Wheel, Beam Engine, Stone-Sawing Machine, Jack Knife Bridge, Punching and Profiling Machines, Radial Travelling Crane, Tower Bridge, etc.—360 Models in all. Some of the models stand several feet high and they represent the genius of generations of engineering and mechanical experts. No greater benefit could be conferred upon any boy than to make him a present of such an Outfit as this. It will enable him to acquire a sound knowledge of the great engineering feats of the world,



and will cause him to take a deeper interest in one of the most attractive sides of life. If he intends to pursue an engineering career, it is an indispensable part of his education and will make his initiation into an intricate subject easy and pleasant.

Price (packed in superior oak cabinet, fitted with lock and key) ... 140/-

No. 7 OUTFIT



THIS is a complete and comprehensive Outfit, containing all Meccano parts necessary to build each of the models in the new big Manual of Instructions, including Stiff Leg Derrick, Meccanograph, Eiffel Tower, Transporter Bridge, Forth Bridge, Hydraulic Crane, Dredger, etc., as well as such special models as the High Speed Ship Cooler, the Loom (for real weaving) and the Motor Chassis.

The No. 7 Outfit also contains Clockwork Motor, Electric Motor 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.

An ideal present for a boy interested in mechanics or electricity.

Price (packed in beautifully-finished oak cabinet with lock and key) ... 370/-

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. 0 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.

Meccano Accessory Outfits.

No. 0a	converting No. 0 into No. 1	...	4/-
" 1a	" " 1 " " 2	...	7/6
" 2a	" " 2 " " 3	...	8/6
" 3a	" " 3 " " 4	...	18/6
" 4a	" " 4 " " 5	...	15/-
" 5a*	" " 5 " " 6	...	50/-
" 5a†	" " 5 " " 6	...	80/-
" 6a	" " 6 " " 7	...	210/-

*Carton. †Wood.



MECCANO MANUALS OF INSTRUCTIONS



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, Theodolite, Travelling Gantry, Dredger, Lathe, Coal Cutting Machine and many others of special interest. Every Meccano boy should possess a copy of this fine Manual. Price 2/6 (postage 4d. extra).

The Meccano 0-3 Manual comprises a section of the above Complete Manual illustrating the models that may be built with Nos. 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 1/- each (postage 2½d. extra).

MECCANO INVENTOR'S ACCESSORY OUTFITS



INVENTOR'S ACCESSORY OUTFIT "A" contains large 3 inch Pulley Wheels, Gear Wheels, a supply of Washers, Sprocket Wheels and Sprocket Chain (for giving a positive drive) and a supply of the popular Meccano Braced Girders, which give a fine finish to Meccano Models.

Price ... 8/6

INVENTOR'S ACCESSORY OUTFIT "B" contains Bevel Gears, Gear Wheels, Flat Plates, Octagonal and Strip Couplings, Triangular Plates, Screwed Rods, Curved Strips, Rack Strips Hinges and Buffers and Couplings for trains.

Price ... 15/-

MECCANO ELECTRICAL OUTFITS

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 OUTFITS contain a number of specially designed electrical accessory parts, and, used in conjunction with any of the regular Outfits, enable 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.

Prices:

- X1 (containing electrical parts, without motor or accumulator) ... 12/6
 X2 (containing Meccano motor, 4-volt Accumulator and electrical parts) ... 42/-



MECCANO 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 ... 9/-

MECCANO ELECTRIC MOTOR



THE Meccano Electric Motor is strongly made, and has been specially designed to build into Meccano models. It is the most reliable and powerful model electric motor made, and when properly geared will lift over 30 lbs. dead weight. It may be run by a 4-volt accumulator or, by employing a suitable transformer, direct from the main. Fitted with a reversing motion, provided with stopping and starting controls, and the gearing is interchangeable.

Price ... 12/6

MECCANO CHARGING BOARD which with an accumulator enables the Meccano motor to be run direct from the main (*direct current only*).
 Price 40/-

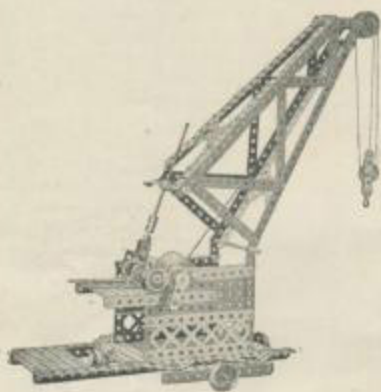
4-VOLT ACCUMULATOR



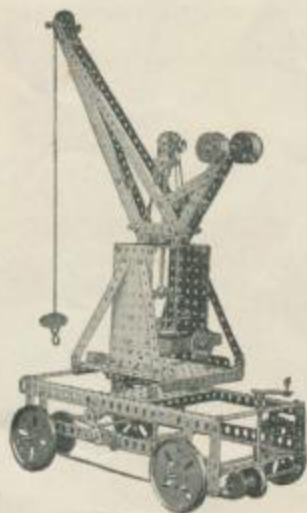
THIS new and excellent type of accumulator has been adapted to drive the Meccano Electric Motor. It has been subjected to the severest tests and has proved itself to be the most suitable accumulator for use with any type of electric motor. It is non-spillable, has remarkable recuperative powers and will continue to supply current when nominally exhausted.

Price ... 17/6

A FEW CHOICE MECCANO MODELS



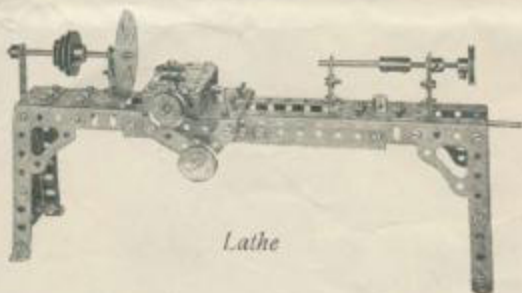
Revolving Crane



Hydraulic Crane



Theodolite

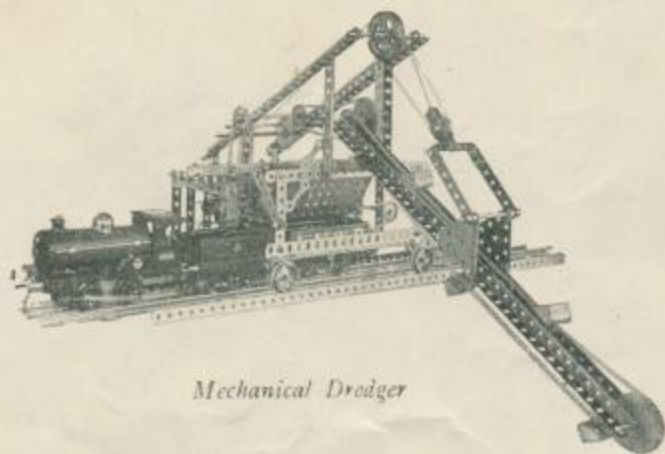


Lathe

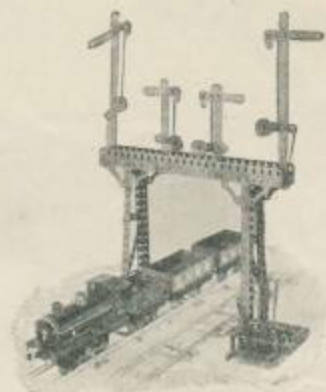


The Forth Bridge

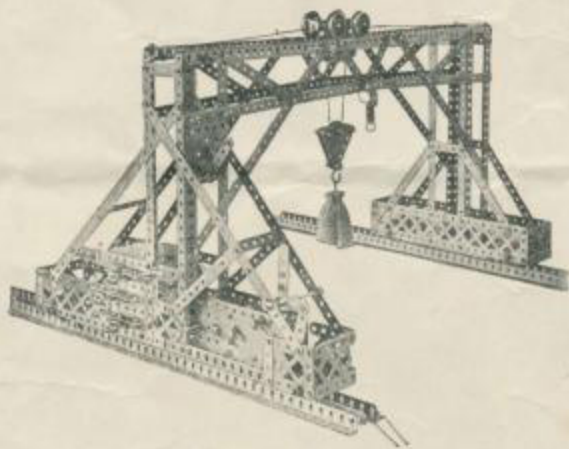
YOU CAN BUILD THEM WITH MECCANO



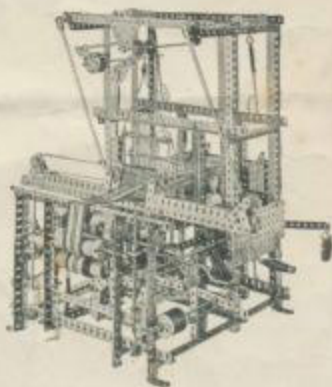
Mechanical Dredger



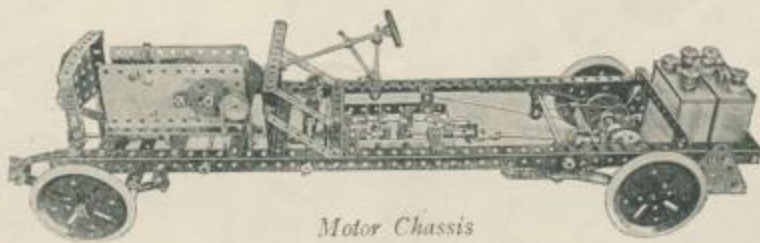
Signal Gantry



Travelling Gantry



Loom

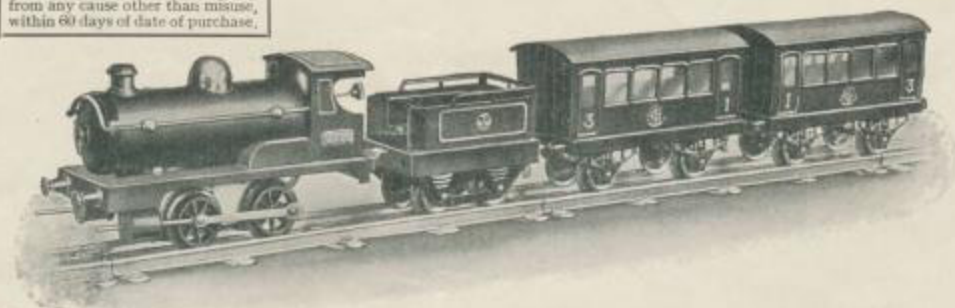


Motor Chassis

Guarantee.

Hornby Trains are tested and their efficiency is guaranteed. A form of guarantee is furnished with each loco and we undertake to repair or replace, at our option, any loco that fails to run satisfactorily from any cause other than misuse, within 60 days of date of purchase.

HORNBY CLOCKWORK TRAINS



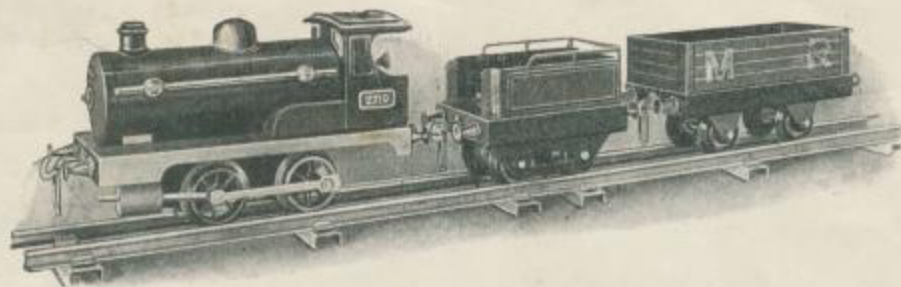
No. 1 PASSENGER SET

A most valuable and remarkable feature of the Hornby Train is that it can be taken to pieces and rebuilt just like a Meccano model. All the parts are standardised and there is as much fun taking Loco, Tender, Coaches and Wagons to pieces and rebuilding them as there is in playing with them. Any lost or damaged parts may be replaced with new ones.

The clockwork is a splendid piece of mechanism with accurately-cut gears, ensuring smooth running, and the workmanship and finish are of the highest quality. The Loco is fitted with reversing-gear, brake and governor. Loco, Tender and Coaches are superb in appearance and finish, enamelled in colours and stoved at a high temperature to ensure great durability.

Gauge 0 in four colours to represent L. & N.W., G.M., Midland and Caledonian rolling-stock. Each set contains Loco, Tender, two passenger coaches and set of rails consisting of two straights, and curves to form a circle of 2 ft. diameter.

Complete set in brown leather-finished, gold-embossed box 35/-



No. 1 GOODS SET

Gauge 0 in four colours to represent L. & N.W., G.N., Midland and Caledonian rolling-stock. Each Loco is fitted with reversing-gear, brake and governor. Each set comprises Loco, Tender, one Wagon and set of rails as in the No. 1 Passenger Set. Superb finish to all parts of train.

Complete set in brown leather-finished, gold-embossed box 25/6

No. 1 Hornby Locos	each 16/-	Hornby Passenger Coaches	each 6/6
" " Tenders	3/6	" Wagons	3/9

Guarantee.

Hornby Trains are tested and their efficiency is guaranteed. A form of guarantee is furnished with each loco and we undertake to repair or replace, at our option, any loco that fails to run satisfactorily from any cause other than misuse, within 60 days of date of purchase.

HORNBY CLOCKWORK TRAINS



No. 2 PULLMAN SET

Loco, Tender and Coaches are built of standardised parts, and any lost or damaged part may be replaced at once by the user. The Loco and Tender measures 17 in. in length. The Loco is fitted with superior mechanism and the accurately cut gears ensure smooth running. Loco, Tender and Coaches are superb in appearance and finish, enamelled in colours and stoved at a high temperature to ensure great durability.

Gauge 0 in four colours to represent L. & N.W., Midland, G.N. and Caledonian rolling-stock. Each set contains Loco, Tender and two Coaches, with set of rails to form a circle of 4 ft. diameter. The Loco is fitted with reversing-gear, brake and governor.

Complete set in brown leather-finished, gold-embossed box 70/-



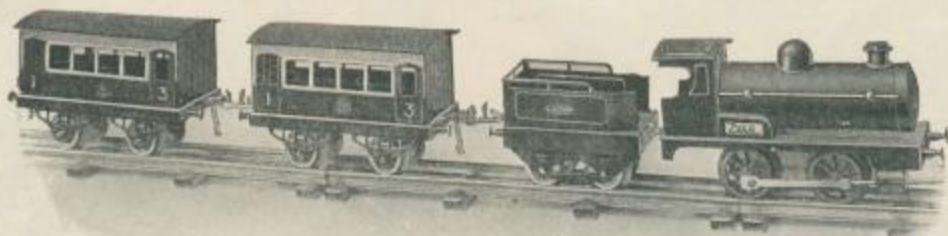
No. 2 GOODS SET

Gauge 0 in four colours to represent L. & N.W., Midland, G.N. and Caledonian rolling-stock. This set contains Loco, Tender and Rails as in the No. 2 Pullman Set, and two Wagons. Superb enamel finish to all parts of train. The Loco is fitted with reversing-gear, brake and governor.

Complete set in brown leather-finished, gold-embossed box 45/-

No. 2 Hornby Locos ...	each 30/-	Hornby Pullman or Dining Cars ...	each 16/-
.. .. Tendern ...	.. 4/-	.. Wagons ... .. .	.. 3/9

ZULU CLOCKWORK TRAINS

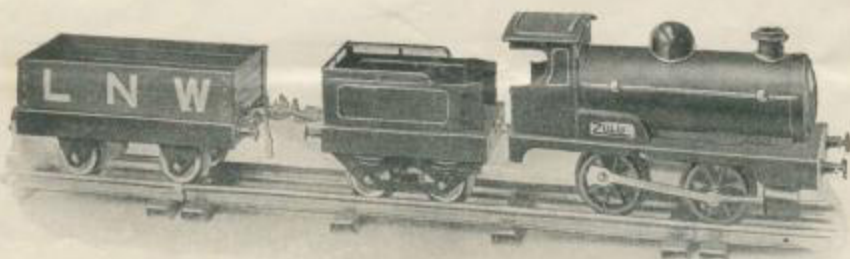


PASSENGER SET

Fine and durable mechanism, and strength of construction in all parts are the main characteristics of this new type of clockwork train. The Zulu Loco is well designed and efficient, and will give long and excellent service. Richly enamelled and highly finished; fitted with brake and governor; non-reversing.

Each set contains Loco, Tender, two Passenger Coaches and set of rails, consisting of two straights, and curves to form a circle of 2 ft. diameter.

Gauge 0, in black only, packed in strong cardboard box 25/-



Goods Set, as above but containing one Wagon in place of Passenger Coaches ... 18/6

Zulu Locos
10/6 each.

Zulu Tenders
2/6 each.

Zulu Passenger
Coaches
5/- each.

Zulu Wagons
3/- each.

ZULU GOODS SET



ZULU TANK LOCO

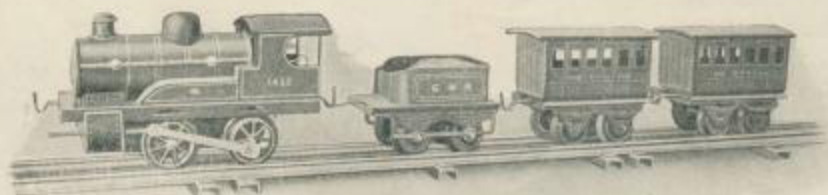
A strong and durable loco capable of any amount of hard work; richly enamelled and highly finished; fitted with reversing gear, brake and governor.

Gauge 0, in black only, 12/6

Guarantee.

Zulu Trains are tested and their efficiency is guaranteed. A form of Guarantee is furnished with each loco, and we undertake to repair or replace, at our option, any loco that fails to run satisfactorily from any cause other than misuse, within 60 days of date of purchase.

TIN PRINTED CLOCKWORK TRAINS



Strongly built with reliable clockwork mechanism. One size only, Gauge 0. Each set contains Loco, Tender and two Passenger Coaches, printed in close imitation of the colours of L. & N.W., Midland and G.N. rolling-stock, with set of Rails including a circle and two straights. The loco is fitted with reversing gear, brake and regulator.

	Complete set, well boxed	...	...	...	...	12/6
Locos	...	...	each 8/6	Carriages	...	each 1/3
	Tenders	...	...	...	1/-	

TRAIN ACCESSORIES

Gauge 0



COVERED LUGGAGE VANS
Lettered M.R. ... each 4/6



BRAKE VANS
Finished in colour to represent G.N. and L. & N.W. stock. each 4/-



GUNPOWDER VANS
Finished in red ... each 4/-



CEMENT WAGONS
Enamelled in colour, each 4/6



SPRING BUFFER STOPS
Gauge 0 ... each 2/-



PETROL TANK WAGONS
Finished in red, lettered gold, each 3/6

LATTICE GIRDER BRIDGES



As will be seen from our illustration, these are Bridges of the constructional type, strong and well proportioned. The design of the well-known Meccano braced girder has been followed in footways and steps, giving realistic and pleasing appearance. The Bridges are beautifully enamelled in colours.

The Meccano system of equidistant holes has been preserved so that signals made from Meccano strips, etc., may be erected on the Bridges.

The Lattice Girder Bridges are supplied disassembled for convenience of packing.

Price 10/6

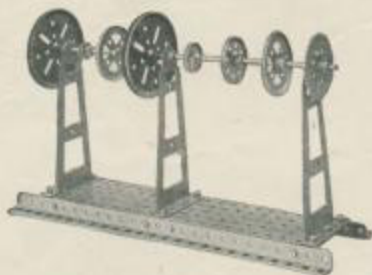
TIMBER WAGONS

These timber wagons measure 13 inches in length and are beautifully enamelled in colours. They are built of standardised parts and may be taken to pieces and rebuilt. Any damaged part may be renewed at any time.

Gauge 0, suitable only for rails of 2 ft. radius (forming circles 4 ft. in diameter) Complete with load of timber Price 5/6



MECCANO SHAFTING STANDARDS



These Shafting Standards are designed on the Meccano system, with equidistant holes. Our illustrations show how strong and serviceable shafting may be constructed from Meccano parts with the aid of these standards.

Standards only, Large	...	...	...	Price 1/- each
" " Small	...	...	...	" 8d. "

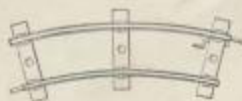
RAILS FOR CLOCKWORK AND STEAM TRAINS.

Gauge O, 1 $\frac{3}{8}$ " , Alternate Pegs.

MECCANO rails, points and crossings are built for hard wear and for smooth running. They are made of the finest materials and hold together rigidly and strongly, for real workmanship is put into them. Note the great superiority both in quality and appearance of the Meccano rails as compared with continental-made rails. Note also the extra sleepers, giving added strength and steadiness to the track. Each sleeper on rails, points and crossings is stamped with the name "MECCANO," and you should look for this name in order to ensure getting the genuine article.



A1. Curved Rails (1-ft. radius),
per doz. 4/-



A1 $\frac{1}{2}$. Curved Half Rails,
per doz. 3/-



A1 $\frac{1}{4}$. Curved Quarter Rails,
per doz. 2/6

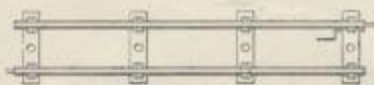
FOR 4-ft. DIAMETER CIRCLE.

A2. Curved Rails (2-ft. radius),
per doz. 5/-

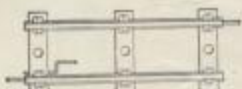
A2 $\frac{1}{2}$. Curved Half Rails,
per doz. 3/6

A2 $\frac{1}{4}$. Curved Quarter Rails,
per doz. 3/-

A9. Curved Rails (9-in. radius), for 1-ft. 6-in. diam. circle ... per doz. 3/-



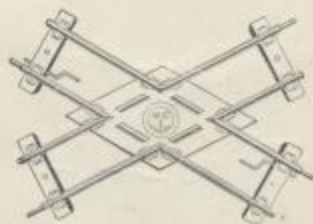
B1. Straight Rails,
per doz. 3/-



B1 $\frac{1}{2}$. Straight Half Rails,
per doz. 2/6



B1 $\frac{1}{4}$. Straight Quarter Rails,
per doz. 2/-

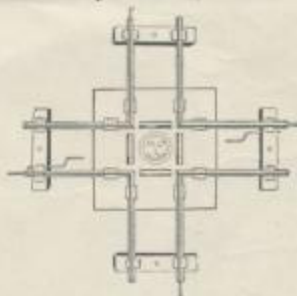


CA. Acute-angle Crossings,
each 1/6

CR. Right-angle Crossings,
each 1/6

CROSSINGS

GAUGE O.



POINTS

GAUGE O.

For 1-ft. 6-in. diameter circle.

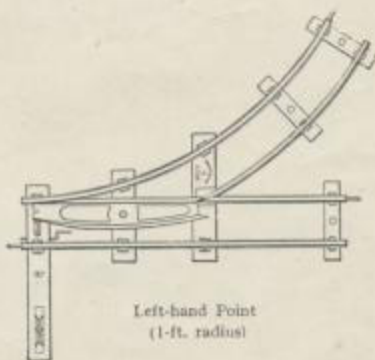
- PR9. Right-hand Point (9-in. radius) ... each 2/6
 PL9. Left-hand Point (9-in. radius) ... each 2/6

For 2-ft. diameter circle.

- PR1. Right-hand Point (1-ft. radius) ... each 2/6
 PL1. Left-hand Point (1-ft. radius) ... each 2/6

For 4-ft. diameter circle.

- PR2. Right-hand Point (2-ft. radius) ... each 2/6
 PL2. Left-hand Point (2-ft. radius) ... each 2/6



Left-hand Point
(1-ft. radius)

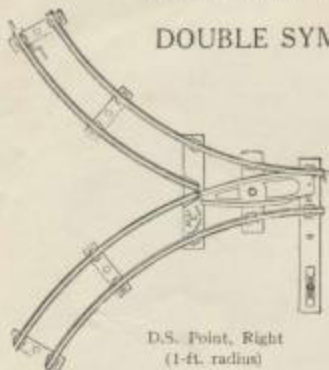
RAILS FOR CLOCKWORK AND STEAM TRAINS—*continued.*

DOUBLE SYMMETRICAL POINTS

PARALLEL POINTS

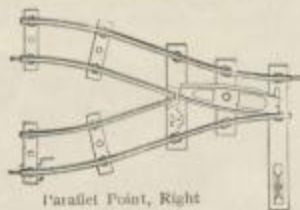
GAUGE 0

GAUGE 0



D.S. Point, Right
(1-ft. radius)

- For 2-ft. diameter circle.**
 DSR1. Double Symmetrical Points (1-ft. radius), right, each 3/-
 DSL1. Double Symmetrical Points (1-ft. radius), left, each 3/-
- For 4-ft. diameter circle.**
 DSR2. Double Symmetrical Points (2-ft. radius), right, each 3/-
 DSL2. Double Symmetrical Points (2-ft. radius), left, each 3/-



Parallel Point, Right

- PPR. Parallel Points, right, each 3/-
 PPL. Parallel Points, left, each 3/-

RAILS FOR ELECTRIC TRAINS

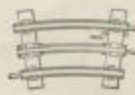
GAUGE 0, 1 1/4".



EA1. Curved Rails (1-ft. radius), per doz. 8/-



FOR 2-ft. DIAMETER CIRCLE.
 EA1 1/2. Curved Half Rails, per doz. 5/-



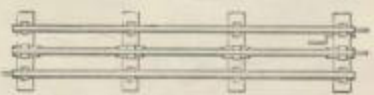
EA1 1/4. Curved Quarter Rails, per doz. 4/6

EA2. Curved Rails (2-ft. radius), per doz. 8/-

FOR 4-ft. DIAMETER CIRCLE.
 EA2 1/2. Curved Half Rails, per doz. 5/-

EA2 1/4. Curved Quarter Rails, per doz. 4/6

- EAT1. Curved Rail with Terminals (1-ft. radius) each 1/4
 EAT2. " " " " (2-ft. radius) " 1/4



EB1. Straight Rails, per doz. 7/-



EB 1/2. Straight Half Rails, per doz. 4/6



EB 1/4. Straight Quarter Rails, per doz. 4/-

POINTS

GAUGE 0

CROSSINGS

GAUGE 0

For 2-ft. diameter circle.

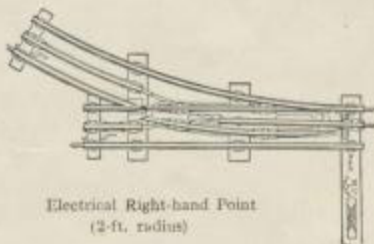
Each

EPR1. Right-hand Point (1-ft. radius) ... each 5/-

ECA. Acute-angle Crossings, 2/6

ECK. Right-angle " " 2/6

EPL1. Left-hand Point (1-ft. radius) ... each 5/-



Electrical Right-hand Point
(2-ft. radius)

DOUBLE SYMMETRICAL POINTS

GAUGE 0

For 4-ft. diameter circle.

For 2-ft. diameter circle.

Each

EPR2. Right-hand Point (2-ft. radius) ... each 5/-

EDSR1. Double Symmetrical Points (1-ft. radius), right ... 6/-

EDSL1. " " " " left ... 6/-

EPL2. Left-hand Point (2-ft. radius) ... each 5/-

For 4-ft. diameter circle.
 EDSR2. Double Symmetrical Points (2-ft. radius), right ... 6/-
 EDLS2. " " " " left ... 6/-



THE MECCANO MAGAZINE

THE Meccano Magazine was first published in 1916 at the urgent request of thousands of boys throughout Great Britain. It is the official organ of the Meccano Guild and its pages contain particulars of the many Meccano Competitions that are run each year as well as announcements of new parts and new models. Essays by Meccano boys, helpful hints, correspondence and replies to boys' letters by the Editor also form interesting features and illustrated articles on engineering subjects appear regularly. A copy will be sent free to any new Meccano boy asking for it, and it is mailed regularly to subscribers. The subscription is 6d. for six issues, or 1s. for twelve issues. It may also be purchased from Meccano dealers at a cost of 1d. per copy.

THE MECCANO GUILD

THIS is the little enamelled badge showing that the wearer has joined up with thousands of other Meccano boys in Great Britain for more fun, more friends, good fellowship and mutual help. Each member obtains one of these badges when he joins the Meccano Guild and he at once becomes the acknowledged friend of every other Meccano boy throughout the world.



The Meccano Guild Badge.

Any boy possessing a Meccano Outfit may join the Meccano Guild. Send for full particulars and a form of application to the Secretary, Meccano Guild, Binns Road, Liverpool.

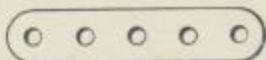
MECCANO CLUBS.—There are now Meccano Clubs in most towns, run by enthusiastic Meccano boys and guided by adult Club Leaders. They hold regular meetings, arrange exhibitions and concerts and generally enjoy themselves in the ways in which boys find delight. They are all affiliated to the Meccano Guild, whose officials tell the boys how to form and run the Clubs so as to make them successful.

The Meccano Guild Secretary will let you know if there is a Meccano Club in your town, and if you write to him he will give you interesting information about this great world-wide boys' movement.

£250 IN PRIZES FOR MECCANO USERS.

A BIG Prize Contest is held every year and every Meccano boy should enter. We offer cash and other Prizes to the value of £250 for the best new models made from Meccano parts. There are no restrictions or entrance fees and every boy with an idea for a new model stands a good chance of winning one of the hundreds of prizes. There are three sections in the Competition; the first for boys up to the age of 10, the second for boys between 10 and 14, and the third for boys over 14 years of age. You may obtain an Entry Form from any Meccano dealer, or we will mail one to you on request.

MECCANO ACCESSORY PARTS.



No.		s.	d.
1.	Perforated Strips, 12 1/2" long ...	1 doz.	1 0
1A.	" " " 9 1/2" " " " " " " " " " " "	"	0 9
1B.	" " " 7 1/2" " " " " " " " " " " "	"	0 8
2.	" " " 5 1/2" " " " " " " " " " " "	"	0 6
2A.	" " " 4 1/2" " " " " " " " " " " "	"	0 5
3.	" " " 3 1/2" " " " " " " " " " " "	"	0 4
4.	" " " 3" " " " " " " " " " " " "	"	0 3
5.	" " " 2 1/2" " " " " " " " " " " "	"	0 3
6.	" " " 2" " " " " " " " " " " " "	"	0 3
6A.	" " " 1 1/2" " " " " " " " " " " "	"	0 3



7.	Angle Girders, 2 1/2" long ...	each	0 8
7A.	" " " 1 1/2" " " " " " " " " " " "	"	0 6
8.	" " " 1 1/2" " " " " " " " " " " "	1 doz.	1 9
8A.	" " " 9 1/2" " " " " " " " " " " "	"	1 3
8B.	" " " 7 1/2" " " " " " " " " " " "	"	1 2
9.	" " " 5 1/2" " " " " " " " " " " "	"	1 0
9A.	" " " 4 1/2" " " " " " " " " " " "	"	0 10
9B.	" " " 3 1/2" " " " " " " " " " " "	"	0 8
9C.	" " " 3" " " " " " " " " " " " "	"	0 8
9D.	" " " 2 1/2" " " " " " " " " " " "	"	0 7
9E.	" " " 2" " " " " " " " " " " " "	"	0 6
9F.	" " " 1 1/2" " " " " " " " " " " "	"	0 6



10.	Flat Brackets ...	1 doz.	0 2
11.	Double Brackets ...	each	0 1
12.	Angle Brackets 1" x 1/2" ...	doz.	0 6
12A.	" " 1" x 1" ...	each	0 1
12B.	" " 1" x 1/2" ...	"	0 1



13.	Axle Rods, 1 1/2" long ...	each	0 3
13A.	" " " 8" " " " " " " " " " " "	"	0 3
14.	" " " 8" " " " " " " " " " " "	"	0 2
15.	" " " 8" " " " " " " " " " " "	"	0 2
15A.	" " " 3 1/2" " " " " " " " " " " "	"	0 1
16.	" " " 3 1/2" " " " " " " " " " " "	"	0 1
16A.	" " " 2 1/2" " " " " " " " " " " "	"	0 1
17.	" " " 2 1/2" " " " " " " " " " " "	"	0 1
18.	" " " 1 1/2" " " " " " " " " " " "	"	0 1
18A.	" " " 1 1/2" " " " " " " " " " " "	"	0 1
18B.	" " " 1 1/2" " " " " " " " " " " "	"	0 1
19.	Crank Handles ...	"	0 3



19A.	Wheels, 3" diam., with set screws ...	each	0 8
20.	Flanged Wheels ...	"	0 6



(19a)



(22)



(22a)

No.		s.	d.
19a.	Pulley Wheels, 3" dia. with set screw, each		0 8
20a.	" " 2" " " " " " " " " " "		0 8
21.	" " 1 1/2" " " " " " " " " " " "		0 6
22.	" " 1" " " " " " " " " " " "		4
23a.	" " 1" " without " " " " " "		4
22a.	" " 1" " without " " " " " "		2
23.	" " 1" " without " " " " " "		2



(24)



(26)



(27)

24.	Bush Wheels ...	each	0 6
25.	Pinion Wheels, 1/2" diam. ...	"	0 6
26.	" " 1/2" " " " " " " " " " " "	"	0 4
27.	Gear Wheels, 50 teeth ...	"	0 9
27A.	" " 57 " " " " " " " " " " "	"	0 9



(28)



(30)



(31)

28.	Contrate Wheels, 1 1/2" diam. ...	each	0 9
29.	" " 1 1/2" " " " " " " " " " " "	"	0 6
30.	Bevel Gears " " " " " " " " " " "	"	0 10
31.	Gear Wheels, 1", 38 teeth ...	"	1 0

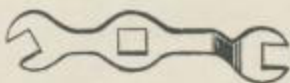


(32)



(33)

32.	Worm Wheels ...	each	0 6
33.	Pawls (complete) ...	"	0 4
33A.	Pivot Bolts with Nuts ...	"	0 2




(34)




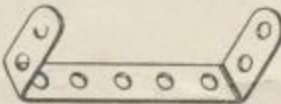
(35)



34.	Spanners ...	each	0 2
35.	Spring Clips ...	per box (doz.)	0 3
36.	Screw Drivers ...	each	0 3
36A.	" " (extra long) ...	"	0 6



ACCESSORY PARTS—continued

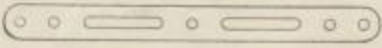
			
No. (37)	(41)	s.	d.
37. Nuts and Bolts	per box (doz.)	0	6
37A. Nuts	"	0	3
37B. Bolts	"	0	3
38. Washers	"	0	1
40. Hanks of Cord	each	0	1½
41. Propeller Blades... ..	per pair	0	4

			
(43)	(44)		
43. Springs	each	0	2
44. Cranked Bent Strips	"	0	1

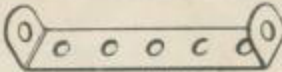

			
(45)	(46)		
45. Double Bent Strips	each	0	1
46. Double Angle Strips, 2½" × 1"	½ doz.	0	6



			
(50)	(52)		
50. Eye Pieces	each	0	2
52. Perforated Flanged Plates, 5½" × 2½"	"	0	5
52A. Flat Plates, 5½" × 3½"	"	0	5




			
(53)	(54)		
53. Perforated Flanged Plates, 3½" × 2½"	each	0	3
53A. Flat Plates, 4½" × 2½"	"	0	3
54. Perforated Flanged Sector Plates	"	0	3



			
55. Perforated Strips, slotted, 3½" long ...	each	0	2
55A. " " " " " " " " " " " " " " " "	"	0	1
56. Instruction Manual " No. 1	"	2	6
56A. " " " " " " " " " " " " " " " "	"	1	0
56B. " " " " " " " " " " " " " " " "	"	0	4

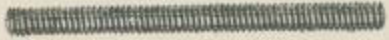
			
(57)	(57A)	(59)	
57. Hooks	each	0	1
57A. " " (scientific)	"	0	1
57B. " " (loaded)	"	0	5
58. Spring Cord	per length (1 yard)	0	9
59. Collars with Set Screws	each	0	2

			
No. (60)	(62)	s.	d.
60. Double Angle Strips, 2½" × 1"	per ½ doz.	0	5
60A. " " " " 1½" × 1"	"	0	4
60B. " " " " 3½" × 1"	"	0	6
60C. " " " " 5½" × 1"	"	0	9
60D. " " " " 4½" × 1"	"	0	9
61. Windmill Sails	each	0	2
62. Cranks	"	0	3
62A. Threaded Cranks	"	0	4

			
(63)	(63A)		
63. Couplings	each	0	6
63A. Octagonal Couplings	"	0	8

			
(63B)	(63C)	(64)	
63B. Strip Couplings	each	0	8
63C. Threaded Couplings	"	0	6
64. Threaded Bosses	"	0	2
65. Centre Forks	"	0	2
66. Weights, 50 gramme	"	1	0
67. " " 25 " " " " " " " " " "	"	1	0
68. Woodscrews, 1"	doz.	0	3
69. Set Screws	"	0	4
69A. Grab Screws, ½"	"	0	4
69B. " " ¾"	"	0	6

			
(70)	(76)		
70. Flat Plates, 5½" × 2½"	each	0	3
72. " " 2½" × 2½"	"	0	2
76. Triangular Plates, 2½"	"	0	2
77. " " 1"	"	0	1

			
78. Screwed Rods, 11½"	each	0	6
79. " " 8"	"	0	5
79A. " " 6"	"	0	4
80. " " 5"	"	0	3
80A. " " 3½"	"	0	3
80B. " " 4"	"	0	3
81. " " 2"	"	0	2
82. " " 1"	"	0	1

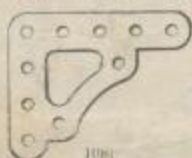
			
88. Curved Strips, 5½"	each	0	2
89. " " 2½"	"	0	1

			
91. Sprocket Chain	per yard	0	6

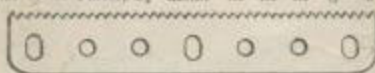
ACCESSORY PARTS—continued.



No.	(95)		(97)	s. d.
95.	Sprocket Wheels,	2" diam	...	0 5
95A.	"	1 1/2"	...	0 4
95B.	"	3"	...	0 6
96.	"	1"	...	0 3
96A.	"	3/4"	...	0 3
97.	Braced Girders,	3' long	...	0 9
98.	"	2'	...	0 6
99.	"	12"	...	1 9
99A.	"	9"	...	1 6
100.	"	5'	...	1 0
101.	Healds, for looms	...	...	doz. 0 9
102.	Single Bead Strips	...	...	each 0 1
103.	Flat Girders,	5 1/2' long	...	1 0
103A.	"	9'	...	1 6
103B.	"	12'	...	2 0
103C.	"	4 1/2'	...	0 9
103D.	"	3 1/2'	...	0 7
103E.	"	3'	...	0 6
103F.	"	2 1/2'	...	0 5
103G.	"	2'	...	0 4
103H.	"	1 1/2'	...	0 3
104.	Shuttles, for looms	...	...	each 1 0
105.	Reed Hooks, for looms	...	...	0 4
106.	Wood Rollers	...	...	1 3
106A.	Sand	...	...	1 6
107.	Tables for Designing Machines	...	...	1 0



108.	Architraves	each 0 2
109.	Face Plates, 2 1/2" diam.	0 4



110.	Rack Strips, 3/4"	each 0 2
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111.	Bolts, 1/2"	each 0 1
111A.	"	1"	...	2 for 0 1
111B.	"	1 1/2"	...	doz. 0 4
112.	Double Angle Strips, 2 1/2" x 1 1/2"	1 doz. 0 9
112A.	"	3" x 1 1/2"	...	1 0



113.	Girder Frames	...	...	each 0 2
114.	Hinges	...	...	per pair 0 4
115.	Threaded Pins	...	...	each 0 2



119.	...	...	...	...
120.	Buffers, for Looms, etc.	...	...	each 2/6

No.			s. d.
120A.	Spring Buffers	...	per pair 0 8
121.	Train Couplings	...	each 0 4
122.	Miniature Loaded Sacks	...	0 2



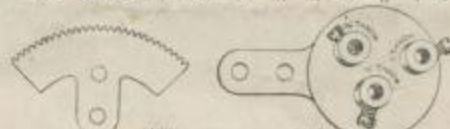
123.	Cone Pulleys	...	each 1 3
124.	Reversed Angle Brackets, 1"	...	1 doz. 0 10
125.	"	3/4"	0 6



126.	Trunnions	...	each 0 2
126A.	Flat Trunnions	...	0 2



127.	Simple Bell Cranks	...	each 0 3
128.	Boss Bell Cranks	...	0 4



129.	Rack Segments, 3" diam.	...	each 0 6
130.	Triple Throw Eccentrics	...	1 3



131.	Dredger Buckets	...	each 0 2
132.	Flywheels, 2 1/2" diam.	...	2 3
133.	Corner Brackets	...	0 3

134.	Crank Shafts, 1" stroke	...	each 0 3
135.	Theodolite protractors	...	0 3



136.	Handrail Supports	...	each 0 3
137.	Wheel Flanges	...	0 4
138.	Ship's Funnels	...	0 4



MECCANO BOYS ARE KEEN, AMBITIOUS AND INVENTIVE

NO boy who follows the Meccano hobby can be a bad boy. It keeps him keen, alert and intensely interested, teaches him to invent, quickens his thinking capacities and teaches him considerable manual dexterity. It also teaches him to be orderly and careful, because he is handling accurately-made and highly-finished parts, which must be kept in an orderly fashion. Meccano has come to be recognised in many thousands of homes throughout the country as a necessary and essential part of a boy's training. Any parent or relative who is interested in the training or welfare of boys will do well to study carefully the possibilities that Meccano provides.

