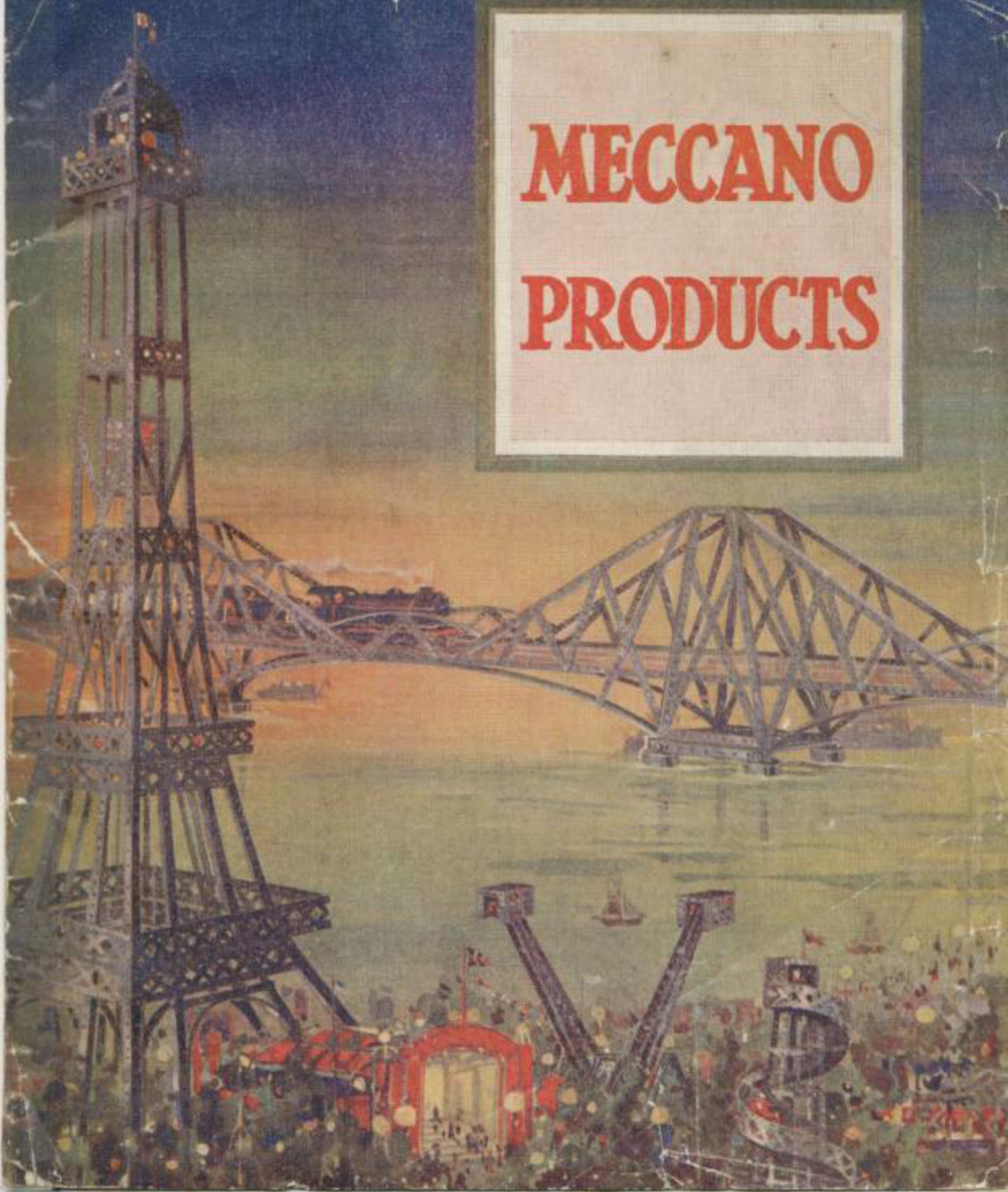


MECCANO PRODUCTS





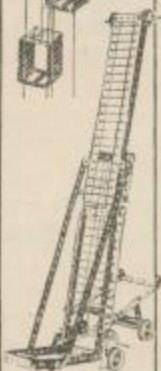
**MECCANO BOYS
ARE KEEN, AMBITIOUS AND INVENTIVE**

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 bringing-up of boys or their welfare, will do well to study carefully the possibilities that Meccano provides.

Published by
MECCANO LTD.,
LIVERPOOL



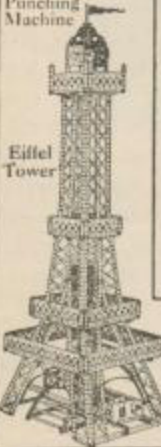
Pit Head Gear



Fire Escape



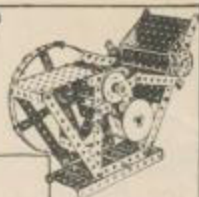
Punching Machine



Eiffel Tower



Caterpillar and Gun



Printing Machine



Girder Crane

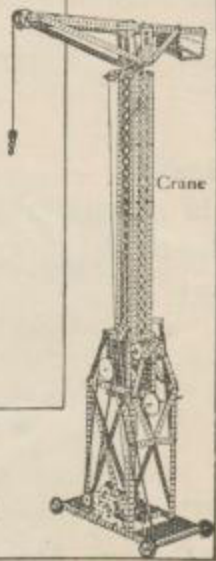


Letter Balance

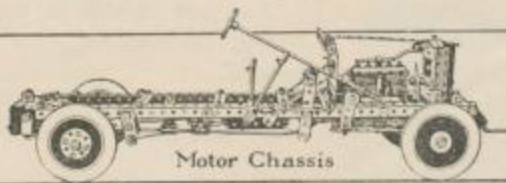
MECCANO

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.



Crane



Motor Chassis

MECCANO

Engineering for Boys

The Meccano system is composed of 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 obtained.

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 fully-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 considerable, and 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 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. 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 nine Outfits of varying size, numbered 00 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. 00 OUTFIT

THE No. 00 Outfit is specially adapted to the requirements of very young boys. With it 43 simple models may be constructed, each of which is illustrated in the Instruction Sheet included in the Outfit. A No. 00a Accessory Outfit costing 2/6 will convert the No. 00 into a No. 0 Outfit.

Price 3/6

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 types, Wheel-barrows, Potter's Wheel, Signals; Drilling, Sawing and Stamping Machines, Cranes, etc., each a perfect toy, capable of providing 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 106 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 Monoplanes, 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 conrate 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

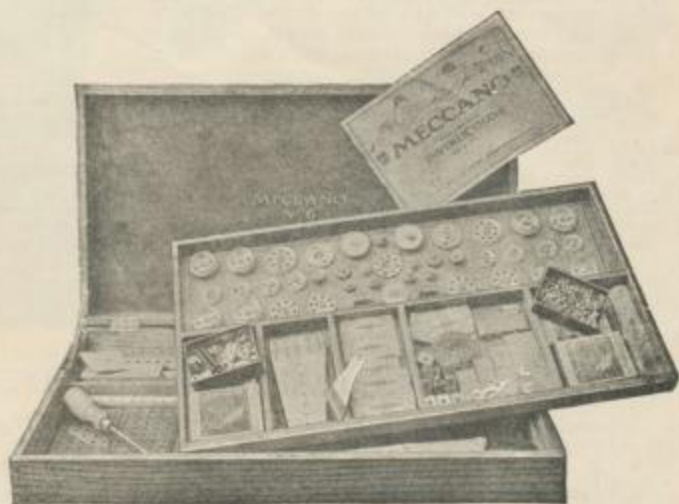
THE No. 5 Outfit is supplied either in a stout carton or in a handsome oak cabinet with lock and key. The contents are the same in each case. The building possibilities are very greatly increased and with it fine engineering models may be constructed. These include a Farm Tractor, Field Gun and Carriage, 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 serviceable, 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 is supplied either in a stout carton or in a handsome oak cabinet with lock and key. 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 well-made carton) 105/-
 Price (.. .. 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 Coaler, the Loom (for real weaving) and the Motor Chassis.

The No. 7 Outfit also contains Clock-work 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/-

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.

Meccano Accessory Outfits

No.	00a	converting	No. 00	into	No. 0	..	1/6
..	0a	..	0	..	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.



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, Thendolite, 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. 00, 0, 1, 2 and 3 Outfits. It gives full instructions for building 208 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).

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 42/-

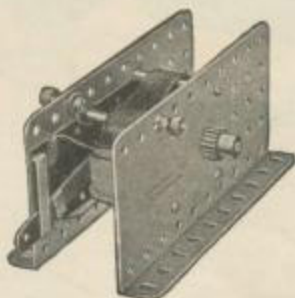


CLOCKWORK MOTOR



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/-



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/-

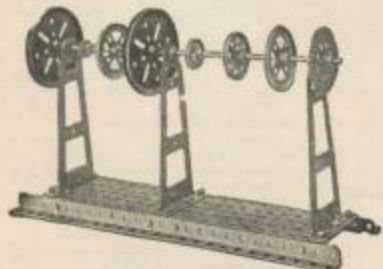


4-VOLT ACCUMULATOR

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

SHAFTING STANDARDS

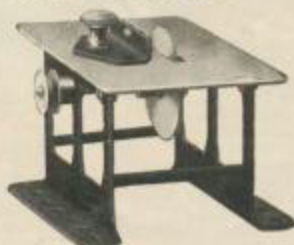


THESE Shafting Standards are designed on the Meccano system, with equidistant holes. Our illustration shows how strong and serviceable shafting may be constructed from Meccano parts with the aid of the Large Standard.

PRICES:

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

SAW BENCH



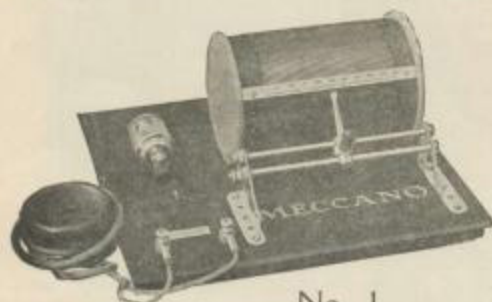
THIS model Saw Bench is suitable for use with the Electric Motor or a Stationary Steam Engine. By means of the equidistant holes in the base it may be built into a Meccano Model Workshop. Beautifully finished in black enamel and nickel.

Price 4/-

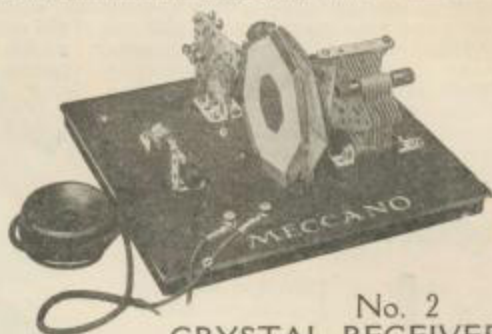
MECCANO

RADIO RECEIVING SETS

THE Meccano Crystal Receivers are splendid instruments, and their efficiency is guaranteed. The Crystal is a special combination of minerals, and although the effective distance of reception for Crystal Receivers is usually stated to be about 20 miles, a Meccano Receiver No. 1 is regularly receiving telephony with a standard aerial at a distance of 33 miles from the Manchester Broadcasting Station.



No. 1
CRYSTAL RECEIVER



No. 2
CRYSTAL RECEIVER
(Constructive type)

THIS set may be used with a broadcast licence, obtainable at any post office. It is thoroughly tested on a standard aerial before leaving our works.

R.S.1 Meccano No. 1 Crystal Receiving Set, complete, tested and guaranteed	32/6
Broadcasting Fee, according to regulations ...	7/6
Price complete	40/-

THIS set may only be used under an experimental licence, to be obtained from the Post-Master General to whom application should be made for the necessary form. Full instructions for assembling the parts are included with each Outfit.

R.S.2 Outfit containing parts to make Receiving Set, in strong carton ...	25/-
R.S.2a " " without phone	15/-

MECCANO AERIAL OUTFIT

The Meccano Aerial Outfit contains everything for the erection of a regulation aerial with the exception of the poles. The contents are as follows:—Antenna 65 ft. 18 G. Bare Copper Wire. Lead-in (soldered to Antenna) 29 ft. 16 G. Bare Copper Wire coupled to 6 ft. of Insulated 16 G. Bare Copper Wire. Earth Wire 30 ft. 18 G. Bare Copper Wire. Insulators (egg-shaped) 2. Pulleys (porcelain) 2.

Price 12/6

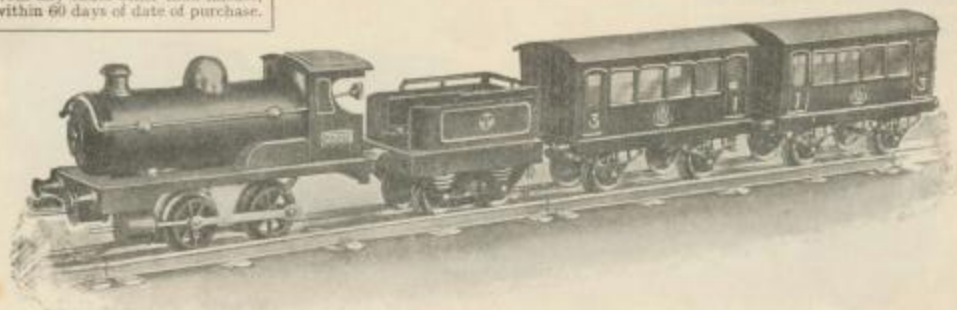
PRICES OF MECCANO RADIO PARTS

No.	s. d.	No.	s. d.	No.	s. d.
403. Insulating Triangular Plates, 2 1/2" (for Condensers) each 0 1		414. Detectors, complete, as contained in outfit of parts RS2 each 3 0		447. Glasses for Detectors each 0 4	
404. Insulating Handles 0 3		415. Inductances, complete 5 6		448. Caps for Detector Glasses, Crystal Ends 0 4	
405. Brass Washers, 1/32" ... doz. 0 4		421. Sliding Contacts with Rods and Brackets, complete 4 6		449. Caps for Detector Glasses, Detector Ends 0 4	
406. 9" lengths 22G Bell Wire with Tags each 0 2		422. Sliding Contacts only 1 6		451. Inductances, complete with Scales 4 6	
407. Inductance Discs, hinged (Wave length approx. 500 metres) pair 4 0		423. Pointers for Sliding Contacts 0 4		452. Inductances, wound 2 3	
407a. Inductance Discs, hinged (not wound) each 1 0		424. Rods, 5/32" Whitworth thread at ends 0 4		453. Tube 0 4	
408. Single Telephone Receivers (2,000 Ohms) 10 0		425. Brackets for Sliding Contacts Right 0 3		454. Ends for Inductance Tubes 0 0	
409. Detector Arms, complete 1 0		425a. " " Left 0 3		455. Stay Bolts for Inductance Tubes 0 4	
410. Crystals, mounted (complete with clips No. 411) 1 6		441. Detectors, complete, as fitted to Meccano C.R.S. No. 1 4 3		456. Metric Scales 0 0	
410a. Crystals, mounted, only 1 3		442. Detector Rods 0 3		457. Special Insulating Washers doz. 0 0	
411. Clips for Crystals 0 3		443. Sleeves for Detector Rods 0 6		481. Hexagonal Nuts, tapped 5/32" Whitworth thread 1 0	
412. Mounting Boards, complete with labels 5 0		444. Cat Whiskers 0 1		482. Small Terminals, tapped Whitworth thread each 0 2	
413. Condensers, complete 5 6		445. Ball Brackets with B.A. Screws 0 4		483. Large Terminals, tapped 5/32" Whitworth thread 0 2	
		446. Plain Brackets 0 2		484. Bifurcated Rivets doz. 0 2	
				485. Indication Labels (Phone, Earth and Aerial) each 0 1	

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 CLOCK WORK TRAINS



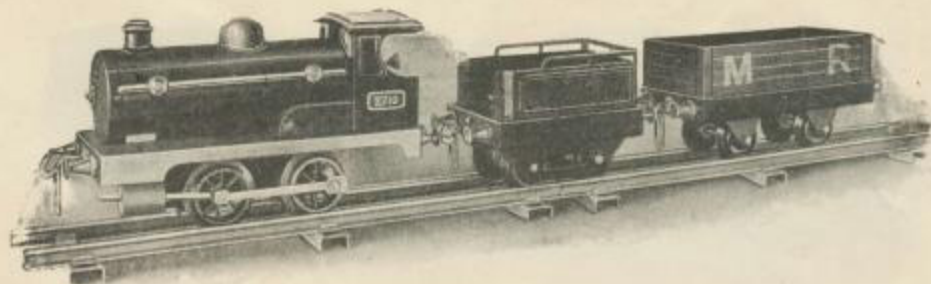
No. 1 PASSENGER SET

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 colours to represent the principal British Railway Co.'s 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 colours to represent the principal British Railway Co.'s 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 colours to represent L.M.S. and L. & N.E.R. Co.'s 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 colours to represent L.M.S. and L. & N.E.R. Co.'s 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.

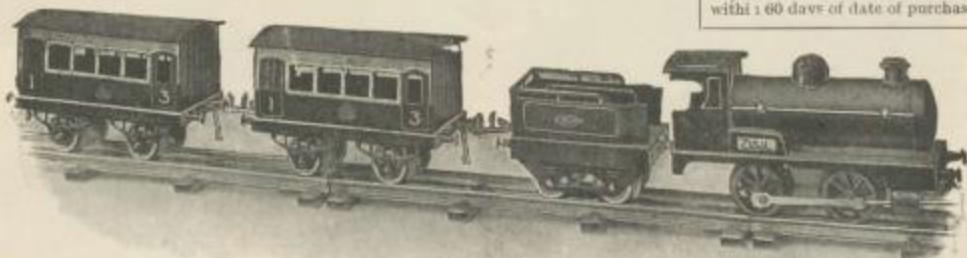
Complete set in brown leather-finished, gold embossed box .. 45/-

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

ZULU CLOCK WORK TRAINS

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.

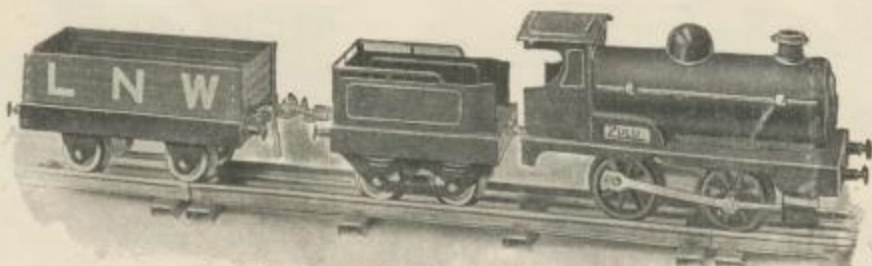


PASSENGER SET

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/-



ZULU GOODS SET

The Goods Set is the same as the Passenger Set but contains one Wagon in place of Passenger Coaches.

Gauge 0, in black only, packed in strong cardboard box, 18/6

Zulu Locos each 10/6 Zulu Tenders each 2/6 Zulu Passenger Coaches each 5/-
Zulu Wagons each 3/-

HORNBY AND ZULU TANK LOCOS

HORNBY TANK LOCO



The Hornby Tank Loco is a powerful model embodying all the characteristics of the Hornby Train. It is $11\frac{1}{2}$ " in length and is fitted at both ends with a special bogey.

Beautifully enamelled and finished and lettered L.M.S. Fitted with reversing gear, brake and governor.

Gauge 0 .. each 32/6

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 .. each 12/6

GEORGE V. 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 the principal British Railway Co.'s 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/-	

CLOCKWORK TRAIN ROLLING STOCK AND ACCESSORIES

Gauge 0



L. & N.W. BRAKE VANS
Finished in colours ... each 4/6



GUNPOWDER VANS
Finished in Red ... each 4/6



G.N. BRAKE VANS
Finished in colours ... each 4/6



MILK TRAFFIC VANS
Fitted with sliding door, and complete with milk cans ... each 5/-



No. 2 CATTLE TRUCKS
Splendid models, fitted with double doors. Suitable for 2 ft. radius rails only ... each 7/-



No. 1 CATTLE TRUCKS
Fitted with sliding door. Very realistic design ... each 4/6



No. 1 LUGGAGE VANS
Lettered M.R. Representative colours ... each 4/6



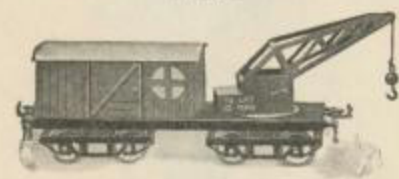
No. 2 LUGGAGE VANS
Finished in colour. Fitted with double doors. Suitable for 2 ft. radius rails only. each 7/-



REFRIGERATOR VANS
Enamelled in white, lettered black ... each 4/6



COLMAN'S MUSTARD VANS
Finished in colour ... each 4/6



BREAKDOWN VANS AND CRANES
Excellent finish. Beautifully coloured. Suitable for 2 ft. radius rails only ... each 7/-



CRANE TRUCKS
Working models. Finished in colour ... each 4/6



"SHELL"
PETROL TANK WAGONS
Finished in colour ... each 3/6



GAS CYLINDER WAGONS
Finished in red, lettered gold. each 4/-



"NATIONAL BENZOLE"
TANK WAGONS
Finished in colour ... each 3/6

CLOCKWORK TRAIN ROLLING STOCK AND ACCESSORIES—(contd.)

Gauge 0



RAILWAY STATIONS

Excellent models, beautifully designed and finished.
Dimensions: Length, 2 ft. 9 ins.; Breadth, 6 ins.; Height, 7 ins.
each 12/6



No. 1



TURNTABLES

each ... 4/6



No. 1



No. 2

TIMBER WAGONS

Beautifully enamelled in colour and stoved.
Complete with loads of timber. (Note.—The
No. 2 Wagons are suitable for 2 ft. radius rails
only).

No. 1 Timber Wagons ... each 2/-
No. 2 each 5/6



No. 2

LUMBER WAGONS

Provided with bolsters and stanchions for log
transport. (Note.—The No. 2 Wagons are
suitable for 2 ft. radius rails only).

No. 1 Lumber Wagons ... each 2/6
No. 2 each 5/6



SIDE TIPPING WAGONS

Excellent design and finish, each 3/6



ROTARY TIPPING WAGONS

Finished in colour ... each 3/6

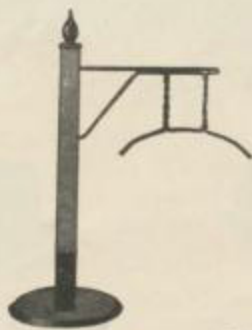


HOPPER WAGONS

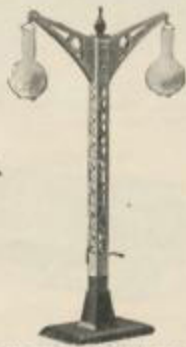
Mechanically unloaded. Finished in
colour ... each 4/-



TELEGRAPH POLES
each ... 3/-



LOADING GAUGES
each ... 1/9



DOUBLE LAMP STANDARDS

Four-volt bulbs may be
fitted into the globes.
each ... 4/-



SINGLE LAMP STANDARDS

A four-volt bulb may
be fitted into the
globe ... each 3/-



SIGNALS
each ... 2/6

CLOCKWORK TRAIN ROLLING STOCK & ACCESSORIES—(contd.)

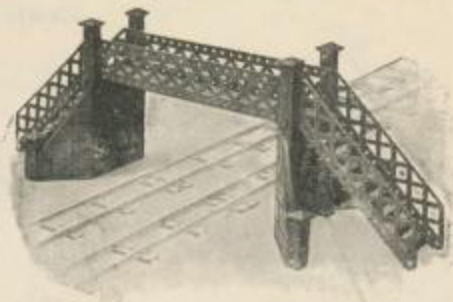
Gauge 0



CEMENT WAGONS
Finished in colour ... each 4/6



SPRING BUFFER STOPS
each 2/-



LATTICE GIRDER BRIDGES

THESE Bridges are 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 them a 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 dismantled for convenience of packing.

each ... 10/6

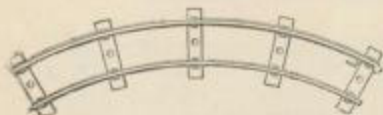


TROLLEY WAGONS
Finished in colour. Suitable for 2 ft. radius rails only ... each 6/6

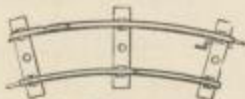
RAILS FOR CLOCKWORK AND STEAM TRAINS

Gauge 0, 1 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 (1ft. radius),
per doz. 4/-



For 2ft. diameter circle
A1 1/2. Curved Half Rails,
per doz. 3/-



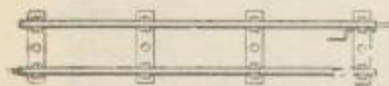
A1 1/4. Curved Quarter Rails,
per doz. 2/6

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

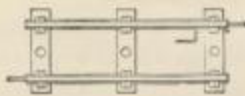
For 4ft. diameter circle
A2 1/2. Curved Half Rails,
per doz. 3/6

A2 1/4. Curved Quarter Rails,
per doz. 3/-

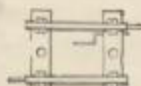
A9. Curved Rails (9in. radius) for 1ft. 6in. diam. circle .. per doz. 3/-



B1. Straight Rails,
per doz. 3/6



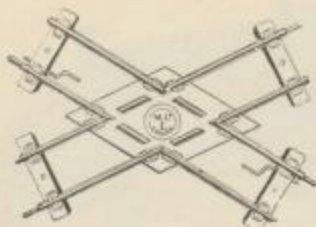
B1 1/2. Straight Half Rails,
per doz. 2/6



B1 1/4. Straight Quarter Rails,
per doz. 2/-

RAILS FOR CLOCKWORK AND STEAM TRAINS

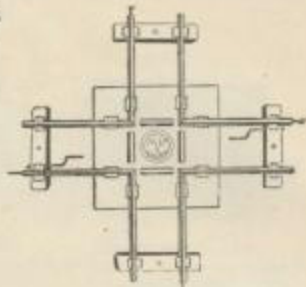
Gauge 0, $1\frac{3}{8}$ " , Alternate Pegs



CROSSINGS

GAUGE 0.

- CA. Acute-angle Crossings, each 1/9
 CR. Right-angle Crossings, each 1/9



POINTS

GAUGE 0.

For 1ft. 6in. diameter circle

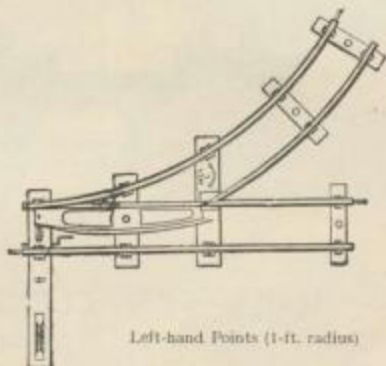
- PR9. Right-hand Point (9in. radius) .. each 2/9
 PL9. Left-hand Point (9in. radius) .. each 2/9

For 2ft. diameter circle

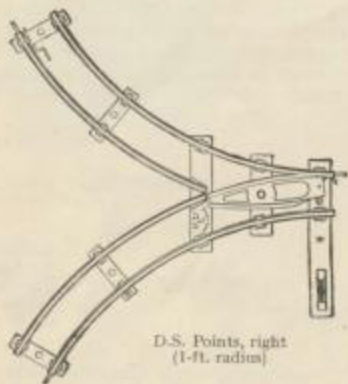
- PR1. Right-hand Point (1ft. radius) .. each 2/9
 PL1. Left-hand Point (1ft. radius) .. each 2/9

For 4ft. diameter circle

- PR2. Right-hand Point (2ft. radius) .. each 2/9
 PL2. Left-hand Point (2ft. radius) .. each 2/9



Left-hand Points (1-ft. radius)



D-S. Points, right (1-ft. radius)

DOUBLE SYMMETRICAL POINTS

GAUGE 0.

For 2ft. diameter circle

- DSR1. Double Symmetrical Points (1ft. radius), right .. each 3/-
 DSL1. Double Symmetrical Points (1ft. radius), left .. each 3/-

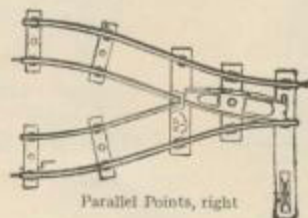
For 4ft. diameter circle

- DSR2. Double Symmetrical Points (2ft. radius), right .. each 3/-
 DSL2. Double Symmetrical Points (2ft. radius), left .. each 3/-

PARALLEL POINTS

GAUGE 0.

- FPR. Parallel Points, right .. each 3/-
 FPL. Parallel Points, left .. each 3/-



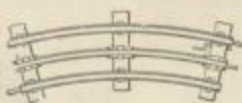
Parallel Points, right

RAILS FOR ELECTRIC TRAINS

GAUGE 0, 1 1/4"



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



For 2ft. diameter circle
EA1 1/2. Curved Half Rails per doz. 5/-



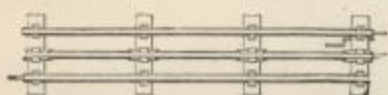
EA1 1/4. Curved Quarter Rails per doz. 4/6

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

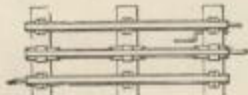
For 4ft. diameter circle
EA2 1/2. Curved Half Rails per doz. 5/-

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

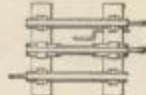
EAT1. Curved Rails with Terminals (1ft. radius) each 1/2
EAT2. " " " " (2ft. radius) 1/3



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

For 2ft. diameter circle

- EPR1. Right-hand Point (1ft. radius) .. each 5/-
EPL1. Left-hand Point (1ft. radius) .. each 5/-

For 4ft. diameter circle

- EPR2. Right-hand Point (2ft. radius) .. each 5/-
EPL2. Left-hand Point (2ft. radius) .. each 5/-

CROSSINGS

GAUGE 0

ECA. Acute-angle Crossings	Each	2/6
ECR. Right-angle	2/6

PARALLEL POINTS

EPPR. (right)	.. each 6/-	EPPL. (left)	.. each 6/-
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DOUBLE SYMMETRICAL POINTS

GAUGE 0

For 2ft. diameter circle

EDSR1. Double Symmetrical Points (1ft. radius) right	6/-
EDSL1. " " " " left	6/-

For 4ft. diameter circle

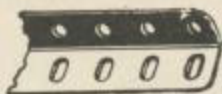
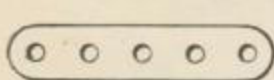
EDSR2. Double Symmetrical Points (2ft. radius), right	6/-
EDSL2. " " " " left	6/-

THE MECCANO MAGAZINE

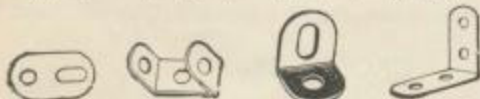
THE "Meccano Magazine," issued monthly, was first published in 1916 at the urgent request of thousands of boys throughout Great Britain. It is the official organ of the Meccano Guild and its pages contain particulars of the many Meccano Competitions that are run each year, as well as announcements of 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. It is mailed regularly to subscribers, the subscription being 9d. for six issues, or 1/6 for twelve issues. It may also be ordered from Meccano dealers or any newsagent at a cost of 1d. per copy. Write to the Editor, "Meccano Magazine," Liverpool, for a free copy.



MECCANO ACCESSORY PARTS



No.	(1)	(7)	s.	d.
1.	Perforated Strips, 12 $\frac{1}{2}$ " long	...	...	...
1a.	"	9 $\frac{1}{2}$"	...	...
1b.	"	7 $\frac{1}{2}$"	...	...
2.	"	5 $\frac{1}{2}$"	...	...
2a.	"	4 $\frac{1}{2}$"	...	...
3.	"	3 $\frac{1}{2}$"	...	...
4.	"	2 $\frac{1}{2}$"	...	...
5.	"	2"	...	...
6.	"	1 $\frac{1}{2}$"	...	...
6a.	"	1 $\frac{1}{2}$"	...	...
7.	Angle Girders, 24 $\frac{1}{2}$ " long	...	each	0 8
7a.	"	18 $\frac{1}{2}$ "	...	0 6
8.	"	12 $\frac{1}{2}$"	...	...
8a.	"	9 $\frac{1}{2}$"	...	...
8b.	"	7 $\frac{1}{2}$"	...	...
9.	"	5 $\frac{1}{2}$ "	...	1 0
9a.	"	4 $\frac{1}{2}$ "	...	0 10
9b.	"	3 $\frac{1}{2}$ "	...	0 8
9c.	"	3"	...	0 8
9d.	"	2 $\frac{1}{2}$ "	...	0 7
9e.	"	2"	...	0 6
9f.	"	1 $\frac{1}{2}$ "	...	0 6



No.	(10)	(11)	(12)	(12a)	s.	d.
10.	Flat Brackets	...	...	...	...	...
11.	Double Brackets	...	...	...	each	0 1
12.	Angle Brackets,	1" x 1"	...	...	doz.	9 6
12a.	"	1" x 1"	...	...	each	0 1
12b.	"	1" x 1"	...	...	each	0 1
13.	Aske Rods, 11 $\frac{1}{2}$ " long	...	...	...	...	0 3
13a.	"	8"	...	...	...	0 2
14.	"	6"	...	...	...	0 3
15.	"	5"	...	...	...	0 2
15a.	"	4 $\frac{1}{2}$"	...	...	...	0 1
16.	"	3 $\frac{1}{2}$"	...	...	...	0 1
16a.	"	2 $\frac{1}{2}$"	...	...	...	0 1
17.	"	2"	...	...	...	0 1
18a.	"	1 $\frac{1}{2}$"	...	...	...	0 1
18b.	"	1"	...	...	...	0 1
19.	Crank Handles	...	...	...	...	0 3



No.	(19a)	(20)	s.	d.
19a.	Wheels, 3" diam., with set screws	...	each	0 8
20.	Flanged Wheels	...	...	0 6



No.	(19b)	(22a)	s.	d.
19b.	Pulley Wheels, 3" dia. with set screw	...	each	0 8
19c.	"	6"	...	2 8
20a.	"	2"	...	0 6
21.	"	1 $\frac{1}{2}$ "	...	0 6
22.	"	1"	...	0 4

No.	s.	d.
23a.	Pulley Wheels, $\frac{1}{2}$ " dia., with set screw	each 0 4
23a.	" " " " without "	" 0 2
23.	" " " " " " " "	" 0 2



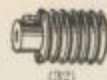
(24)

(25)

(27)



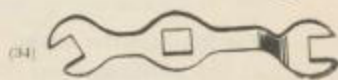
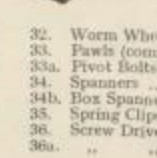
No.	s.	d.
24.	Bush Wheels	each 0 6
25.	Pinion Wheels, $\frac{1}{2}$ " diam.	0 6
26.	" " " " " "	0 7
27.	Gear Wheels, 50 teeth	0 9
27a.	" " " " " "	0 9
28.	Contrate Wheels, $\frac{1}{2}$ " diam.	0 9
29.	" " " " " "	0 6
30.	Bevel Gears, 1"	0 10
31.	Gear Wheels, 1", 38 teeth	1 0



(33)

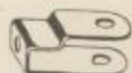
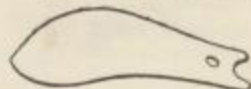
(32)

(35)

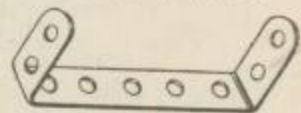


(34)

No.	s.	d.
32.	Worm Wheels	each 0 6
33.	Pawls (complete)	0 4
33a.	Pivot Bolts with Nuts	0 2
34.	Spanners	0 2
34b.	Box Spanners	0 3
35.	Spring Clips	per box (doz.) 0 3
36.	Screw Drivers	each 0 3
36a.	" " (extra long)	0 6



No.	(37)	(41)	(44)	s.	d.
37.	Nuts and Bolts	...	per box (doz.)	0 6	...
37a.	Nuts	...	"	0 3	...
37b.	Bolts 5/16"	...	"	0 3	...
38.	Washers	...	doz.	0 1	...
40.	Hanks of Cord	...	2 for	0 5	...
41.	Propeller Blades	...	per pair	0 4	...
43.	Springs	...	each	0 2	...
44.	Cranked Bent Strips	...	"	0 1	...

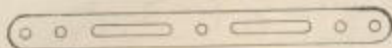


No.	(45)	(46)	s.	d.
45.	Double Bent Strips	...	each	0 1
46.	Double Angle Strips, 2 $\frac{1}{2}$ " x 1"	...	...	0 6
47.	" " " " " "	...	...	0 9
47a.	" " " " " "	...	...	1 0
48.	" " " " " "	...	...	0 4
48a.	" " " " " "	...	...	0 5
48b.	" " " " " "	...	...	0 6
48c.	" " " " " "	...	...	0 6
48d.	" " " " " "	...	...	0 9
48e.	" " " " " "	...	...	0 9

Accessory Parts—(continued)



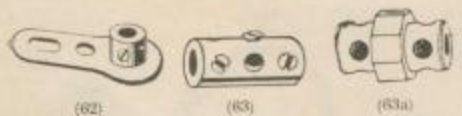
(50)	(51)	(52)			
No.					s. d.
50.	Eye Pieces	...	each	0	2
51.	Perforated Flanged Plates, $5\frac{1}{2}'' \times 2\frac{1}{2}''$	...	...	0	5
52a.	Flat Plates, $5\frac{1}{2}'' \times 3\frac{1}{2}''$	...	...	0	5
53.	Perforated Flanged Plates, $3\frac{1}{2}'' \times 2\frac{1}{2}''$	...	...	0	3
53a.	Flat Plates, $4\frac{1}{2}'' \times 2\frac{1}{2}''$	...	...	0	3
54.	Perforated Flanged Sector Plates	...	...	0	3



55.	Perforated Strips, slotted, $5\frac{1}{2}''$ long	...	each	0	2
55a.	..	..	..	0	1
56.	Instruction Manuals, No. 1	...	...	2	6
56a.	.. No. 0-3	...	...	1	0
56b.	.. No. 0	...	...	0	4



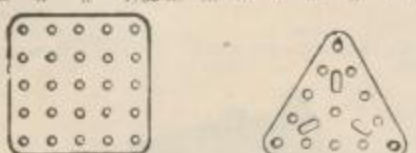
(57)	(57a)	(57b)	(58)	(59)	
No.					s. d.
57.	Hooks	...	...	each	0
57a.	.. (scientific)	...	...	0	1
57b.	.. (loaded)	...	...	0	5
58.	Spring Cord	...	per length	0	9
59.	Collars with Set Screws	...	...	each	0



(61)	(62)	(63)	(63a)		
No.					s. d.
61.	Windmill Sails	...	...	each	0
62.	Cranked	...	...	0	3
62a.	Threaded Cranks	...	...	0	4
63.	Couplings	...	...	0	6
63a.	Octagonal Couplings	...	...	0	8
63b.	Strip Couplings	...	...	0	8
63c.	Threaded Couplings	...	...	0	6
64.	Threaded Bosses	...	...	0	2
65.	Centre Forks	...	...	0	2
66.	Weights, 50 grammes	...	...	1	0
67.	.. 25 ..	...	...	1	0
68.	Woodscrews, $\frac{1}{2}''$	...	...	doz.	0
69.	Set Screws	...	...	0	4
69a.	Grub Screws, $\frac{5}{32}''$	...	...	0	4
69b.	.. $\frac{7}{32}''$	...	...	0	6

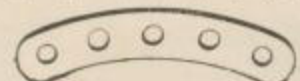


(68)	(69)	(69b)			
No.					s. d.
61.	Windmill Sails	...	...	each	0
62.	Cranked	...	...	0	3
62a.	Threaded Cranks	...	...	0	4
63.	Couplings	...	...	0	6
63a.	Octagonal Couplings	...	...	0	8
63b.	Strip Couplings	...	...	0	8
63c.	Threaded Couplings	...	...	0	6
64.	Threaded Bosses	...	...	0	2
65.	Centre Forks	...	...	0	2
66.	Weights, 50 grammes	...	...	1	0
67.	.. 25 ..	...	...	1	0
68.	Woodscrews, $\frac{1}{2}''$	...	...	doz.	0
69.	Set Screws	...	...	0	4
69a.	Grub Screws, $\frac{5}{32}''$	...	...	0	4
69b.	.. $\frac{7}{32}''$	...	...	0	6



(70)	(71)				
No.					s. d.
70.	Flat Plates, $5\frac{1}{2}'' \times 2\frac{1}{2}''$	...	...	each	0
71.	.. $2\frac{1}{2}'' \times 2\frac{1}{2}''$	...	...	0	2
72.	.. $2\frac{1}{2}'' \times 2\frac{1}{2}''$	...	...	0	2
76.	Triangular Plates, $2\frac{1}{2}''$	...	...	0	2
77.	.. 1"	...	...	0	1

No.					s. d.
78.	Screwed Rods, $1\frac{1}{2}''$	...	...	each	0
79.	.. 1"	...	...	0	5
79a.	.. 6"	...	...	0	4
80.	.. 5"	...	...	0	3
80a.	.. $3\frac{1}{2}''$	...	...	0	3
80b.	.. $3\frac{1}{4}''$	...	...	0	3
81.	.. $3\frac{1}{8}''$	...	...	0	2
82.	.. 1"	0	1



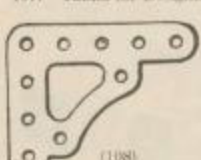
89.	Curved Strips, $5\frac{1}{2}''$	each	0
90.	.. $2\frac{1}{2}''$	0	1



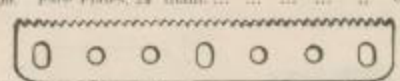
94.	Sprocket Chain	...	per 40" length	0	6
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(95)	(97)				
No.					s. d.
95.	Sprocket Wheels, 2" diam.	each	0
95a.	.. 1"	0	4
95b.	.. 3"	0	6
96.	.. 1"	0	3
96a.	.. 3"	0	3
97.	Braced Girders, $3\frac{1}{2}''$ long	doz.	0
98.	.. $2\frac{1}{2}''$	...	...	0	6
99.	.. $1\frac{1}{2}''$	...	...	1	0
99a.	.. $9\frac{1}{2}''$	...	...	1	6
100.	.. $5\frac{1}{2}''$	...	...	1	0
101.	Heads, for looms	...	...	doz.	0
102.	Single Bent Strips	...	...	each	0
103.	Flat Girders, $5\frac{1}{2}''$ long	...	...	doz.	1
103a.	.. $9\frac{1}{2}''$	...	...	1	6
103b.	.. $12\frac{1}{2}''$	...	...	2	0
103c.	.. $4\frac{1}{2}''$	...	...	0	9
103d.	.. $3\frac{1}{2}''$	...	...	0	7
103e.	.. 3"	...	...	0	6
103f.	.. $2\frac{1}{2}''$	...	...	0	5
103g.	.. 2"	...	...	0	4
103h.	.. $1\frac{1}{2}''$	...	...	0	3
104.	Shuttles, for looms	...	...	each	4
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
109.	Face Plates, 24" diam.	0	4

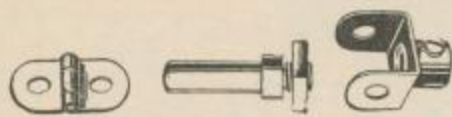


110.	Rack Strips, $3\frac{1}{2}''$	each	0
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(111)	(113)				
No.					s. d.
111.	Bolts, $\frac{1}{2}''$	each	0
111a.	.. $\frac{1}{4}''$	2 for	0
111b.	.. $\frac{7}{32}''$	doz.	0
113.	Girder Frames	each	0

Accessory Parts—(continued)



No.			s. d.
114.	Hinges	per pair	0 4
115.	Threaded Pins	each	0 2
116.	Fork Pieces	each	0 3
117.	Steel Balls, $\frac{1}{4}$ " diam.	doz.	0 6



118.	Large Wheel Hubs (5 $\frac{1}{2}$ " diam.)	each	1 0
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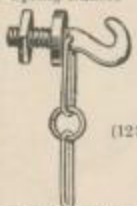
119.	Large Wheel Segments (8 to circle, 11 $\frac{1}{2}$ " diam.)	each	0 4
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120.	Buffers	each	0 2
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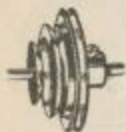
120a.	Spring Buffers	pair	0 8
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121.	Train Couplings	each	0 4
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122.	Miniature Loaded Sacks	each	0 2
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123.	Cone Pulleys	each	1 3
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124.	Reversed Angle Brackets, 1"	doz.	0 10
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125.	" " " "	doz.	0 6
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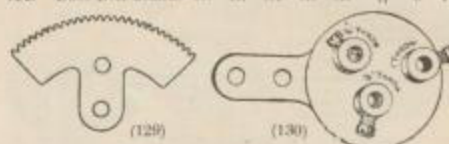
126.	Trunnions	each	0 3
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126a.	Flat Trunnions	each	0 2
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No.			s. d.
127.	Simple Bell Cranks	each	0 3
128.	Boss Bell Cranks	each	0 4



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



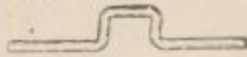
131.	Dredger Buckets	each	0 2
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132.	Flywheels, 2 $\frac{1}{2}$ " diam.	each	2 3
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133.	Corner Brackets	each	0 3
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134.	Crank Shafts, 1" stroke	each	0 3
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135.	Thevololite Protectors	each	0 3
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136.	Handrail Supports	each	0 3
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137.	Wheel Flanges	each	0 4
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138.	Ships' Funnels	each	0 4
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139.	Flanged Brackets (right)	each	0 2
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139a.	" (left)	each	0 2
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140.	Universal Couplings	each	0 9
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The Meccano Guild

THIS is the little enamelled badge showing that the wearer has joined up with thousands of other Meccano boys 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 all other Guild Members 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.

Meccano Championship Contest

Cups and Medals value £250

A BIG Prize Contest is held every year and every Meccano boy should enter. We offer Championship Cups and Medals to the value of £250 for the best 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 these splendid trophies. 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 on request.

