Where to find the Treasure JAMES & SON VICTORIA STREET HAMILTON 1930-1931

# MECCANO

REAL ENGINEERING IN MINIATURE



BOYHOOD'S BEST DAYS-BUILDING WITH MECCANO

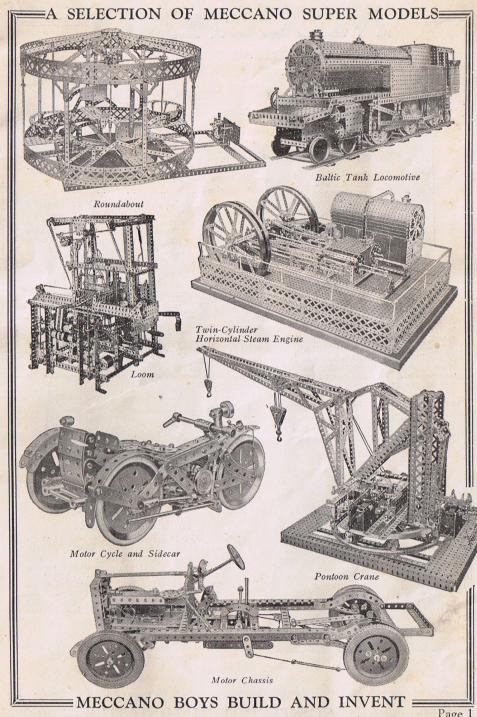
If you want to have the happiest possible boyhood—be a Meccano model-builder. If you want to be imaginative and resourceful-if you want your days to be full of fun and thrills-be a Meccano model-buildar.

There is no other hobby in the world so wonderful or so fascinating. You will be able to build hundreds of working models with your Meccano Outfit-Cranes, Bridges, Conveyors, Aeroplanes, Cars, Locometivesand you will gain practical engineering experience that will be of inestimable value to you in later life. The Meccano boys of to-day will be the famous engineers and inventors of to-morrow.

When you are a Meccano model-builder you know the secrets of the world's most wonderful engineering structures. You know how they are built and you know how they are worked, because you build actual models of them with your Meccano Outfit.

Meccano is real engineering in miniature—all the parts are miniatures of the corresponding parts in real engineering practice. They are all standardised and interchangeable, and can be used to make hundreds of different working models. Ask to see the new 1930 Meccano Outfits,

> Meccano makes bigger and better models than any other construction toy, and it makes them 100 per cent. stronger.



# MECCANO

ENGINEERING FOR BOYS



## No. 000 Outfit Builds 132 Models

THIS is a new Meccano Outfit specially suitable for beginners. It contains a good selection of standard Meccano parts with fully illustrated instructions for building 132 fine models, including Trucks and Wagons, Aeroplanes, Pulleys, Levers, etc.

Price ... ... ... 3/-

IMPORTANT.—An Accessory Outfit to convert a No. 000 Outfit into a No. 00 is not supplied. Details of the extra parts required to build all the models in the No. 00 Manual will be found in the Instruction Folder included in the No. 000 Outfit. A copy of the No. 00 Manual may be obtained from your Meccano dealer.

### No. 00 Outfit Builds 190 Models

THE No. 00 Outfit is a splendid commencing Outfit for young boys. A special Manual of Instructions is included in the Outfit showing how 190 interesting models may be constructed. This fine range of models includes Trucks, Barrows, Cranes, Potter's Wheel, Pulley Shafting, Windmill, Well Driller, etc., each capable of providing hours of fun.

Price ... ... ... 5/-

A No. 00a Accessory Outfit, costing 2/-, will convert a No. 00 into a No. 0 Outfit.





### No. 0 Outfit Builds 344 Models

THE No. 0 Outfit contains a splendid assortment of Meccano Strips, Rods, Wheels, Plates, Nuts, Bolts, etc., and a special Manual of Instructions, giving examples of 344 models that may be built with the Outfit. The models that may be built with the Outfit. The models illustrated include Lathes, Horizontal Engine, Pulley Block, Drilling Machine, Cranes, Aeroplane and a variety of others. Everything necessary for commencing to build immediately is included.

Price ... ... ... 7/-

A No. 0a Accessory Outfit, costing 7/6, will convert a No. 0 into a No. 1 Outfit.

NOTE: -Meccano parts may be purchased separately in any quantity. See list on pages 9 to 11.

## REAL ENGINEERING IN MINIATURE

# MECCANO

ENGINEERING FOR BOYS

# No. 1 Outfit Builds 573 Models

THIS Outfit is very popular. It contains a large number and excellent variety of Meccano parts with which a fine range of models may be built, including fine Cranes, Trucks, Mechanical Saw, Meccanograph, Hooke's Coupling, Roundabout, etc. A big fully-illustrated Manual of Instructions is included, giving examples of 573 models that may be made with the Outfit.

Price ... ... ... 14/-

A No. 1a Accessory Outfit, costing 10/-, will convert a No. 1 into a No. 2 Outfit.



## No. 2 Outfit Builds 628 Models

THE fortunate possessor of a No. 2 Outfit is able to build models of a more complicated and interesting type, including large Cranes, Pit Head Gear, Motor Wagons, Roundabouts, Aeroplane, Turntable, Mechanical Hammer, etc., all designed on correct engineering principles. Full instructions are included for building 628 models with this Outfit.

Price ... 23/-A No. 2a Accessory Outfit, costing 15/6, will convert a No. 2 into a No. 3 Outfit.



## No. 3 Outfit

Builds 686 Models

THIS excellent Outfit contains many Meccano parts of an advanced engineering type. The Cranes, Bridges, etc., that it builds are of a better type, and in addition such excellent models as the Tower Wagon, Vertical Steam Engine and Railway Breakdown Crane may be constructed. A Manual of Instructions, showing how to build 686 models, is included.

Price ... ... ... 37/6

A No. 3a Accessory Outfit, costing 35/-, will convert a No. 3 into a No. 4 Outfit.



NOTE: -Meccano parts may be purchased separately in any quantity. See list on pages 9 to 11.

THE FINEST HOBBY IN THE WORLD

# MECCANO=

ENGINEERING FOR BOYS



### No. 4 Outfit

Builds 748 Models

THIS fine Outfit contains a splendid range of Meccano parts with which an excellent variety of models may be built. Amongst the No. 4 models illustrated in the Manual of Instructions are Rotating Cranes, Swivelling and Luffing Jib Crane, Cable Railway, Swing Bridge, Inclined Delivery Chute, Wire Rope-making Machine, Bucket Excavator, etc. The Manuals included give examples of 748 models that may be constructed with this Outfit.

Price ... ... 70/-

A No. 4a Accessory Outfit, costing 27/6, will convert a No. 4 into a No. 5 Outfit.

## No. 5 Outfit

Builds 792 Models

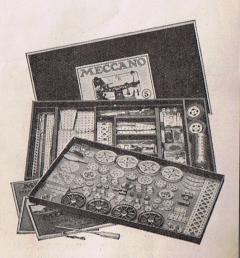
THE No. 5 Outfit is supplied either in a stout carton or in a handsome enamelled cabinet. The number of Meccano parts contained in each Outfit is the same. Modelbuilding possibilities are very greatly increased with this Outfit and 792 fine examples of real engineering models that may be constructed with the Outfit are illustrated in the Manuals of Instructions included.

This Outfit makes a splendid present, especially for a boy who is interested in mechanics.

Price (packed in strong carton) ... 97/6

Price (packed in enamelled cabinet, fitted with lock and key) ... ... 137/6

For prices of the No. 5a Accessory Outfit, carton or cabinet, see page 6.



NOTE: -Meccano parts may be purchased separately in any quantity. See list on pages 9 to 11.

NEW PARTS—NEW MODELS—MORE FUN

# MECCANO=

ENGINEERING FOR BOYS

## No. 6 Outfit Builds 838 Models

THE No. 6 Outfit is supplied either in a stout carton or in a handsome enamelled cabinet with lock and key. With it may be constructed all the models of the earlier Outfits, and many more. The Manuals of Instructions included show how 838 splendid models may be built with the Outfit.

No greater benefit could be conferred upon any boy than to make him a present of such an Outfit as this.

Price (packed in stout carton) ... 175/Price (packed in handsome enamelled cabinet, fitted with lock and key) 215/-

A No. 6a Accessory Outfit (cabinet) costing 310/-, will convert a No. 6 into a No. 7 Outfit.



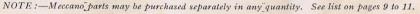
## No. 7 Outfit Builds 882 Models

THIS is a complete and comprehensive Outfit, containing all Meccano parts necessary to build each of the Models in all the Manuals of Instructions,

including Stiff Leg Derrick, Meccanograph, Eiffel Tower, Transporter Bridge, Forth Bridge, Hydraulic Crane, Steam Shovel, etc., as well as such special models as the High-Speed Ship-Coaler, the Loom (for real weaving) and the Motor Chassis.

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

Price (packed in beautifully enamelled cabinet fitted with lock and key) ... ... 610/-



==RICHLY ENAMELLED IN COLOURS=

# MECCANO =

Accessory Outfits

THESE Outfits connect the main Outfits from No. 00 to No. 7, so that a boy who commences with one of the small Outfits may build up his equipment by easy stages until he is the possessor of a No. 7 Outfit.

An Accessory Outfit No. 000a is not supplied, but details of the extra parts required to build all the models in the No. 00 Manual will be found in the Instruction Folder included in the No. 000 Outfit.

The following is a complete price list of Meccano Accessory Outfits :-

No. 00A converts a No. 00 Outfit into a No. 0 Price 2/-,, 35/-5A\* ,, 145/-5A+ ,, 310/-



No. 3A Accessory Outfit

## Storage Boxes for Meccano Parts

A LMOST every Meccano boy purchases additional Meccano parts from time to time, but there is sometimes difficulty in finding suitable accommodation for them. The Storage Boxes described below have been specially designed for the purpose of enabling such extra parts to be stored neatly and methodically, so that they are always easily accessible. There are three different sizes, as indicated.



### No. 1 Storage Box

Beautifully enamelled in red and fitted with partitions. The lid is hinged and is secured by means of lock and key. Dimensions: Length 15½ ins. Width 8¾ ins. Depth 2¾ ins. ... ... ... ... ... ... 16/

## No. 2 Storage Box

As Illustrated.

Finished as No. 1 Box and provided with lock and key. The tray that is fitted in this box enables a much larger quantity of parts to be accommodated. Dimensions: Length 14½ ins. Width 11 ins. Depth 33 ins. ... Price 31/6

## No. 3 Storage Box

A perfect receptacle for Meccano Finished similarly to the No. 1 and No. 2 boxes and provided with lock and key. Fitted with two Dimensions: partitioned travs. Length 20 ins. Width 14 ins. Depth 51 ins. ... Price 50/-

THE PIONEER CONSTRUCTION TOY

# MECCANO =

Motors, Steam Engine and Accessories N order to obtain the fullest enjoyment from the Meccano hobby the models should be operated with a Meccano Motor or Steam Engine. Details of these power units are given below.

> MECCANO ELECTRIC MOTOR No. E1 (6-VOLT) THIS highly efficient Electric Motor

> > Transformer

Electric Motor No. 6

TRANSFORMER

RY means of this transformer the 6-volt Meccano Electric

Motors No. E1 and No. 6 may

be driven from the house supply

(alternating current only). It is

available for all standard supply

voltages, from 100 to 250 inclusive, at all standard fre-

quencies. The supply voltage

and frequency must be specified

when ordering ... Price 40/-

MECCANO ACCUMULATOR

THIS new and excellent type of accumulator

the Meccano Electric Motors No. E1 and No. 6.

(6-volt, 20 amps.) is specially suitable for driving

Price 35/-

(non-reversing) will give excellent A 6-volt Accumulator will operate it, but it may also be driven from the main (alternating current only) through the 6-volt Transformer described below. The Motor may be buit into any Meccano Model. Price 10/6



Electric Motor No. E1

MECCANO ELECTRIC MOTOR No. 6 (6-VOLT)

THE 6-volt Motor is specially designed to build into Meccano 1 models. It is run from a 6-volt accumulator or, by employing the Transformer described below, from the main. It is fitted with reversing motion, provided with stopping and starting controls, and the gearing is interchangeable ... ... Price 20/-

NOTE .- The 6-volt Electric Motors will not run satisfactorily from dry cells.

#### MECCANO RESISTANCE CONTROLLER

BY employing this variable resistance the speed of the 6-volt Meccano Electric Motors No. E1 and No.6 may be regulated as desired. The controller is connected in series



with the motor and accumulator, or with the motor and transformer, if a transformer is used as the source of power. Price ... ... 6/-

#### MECCANO STEAM ENGINE

THIS powerful steam unit is capable of developing remarkable power, sufficient to drive any of the models shown in the Manuals. Operation of the reversing lever enables the crankshaft to run in either direction. The crankshaft is fitted with a special compensated flywheel, thus ensuring steady running at all speeds. The spirit container for the lamp is placed well outside the boiler-casing, eliminating all risk of the spirit becoming heated. The

boiler, which is of heavy gauge brass, is fitted with an efficient spring safety valve.

> Finish. The cylinder, reversing block, crank disc, and pin, are all machined from solid brass and steel. The base, side plates, and spirit container are finished in colour and the boiler casing is of oxidised brass ... Price 35/-



Clockwork Motor

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 10/6

Steam

Engine

RUN YOUR MODELS REALISTICALLY

# MECCANO

ENGINEERING FOR BOYS

### Meccano Lubricating Oil



BEFORE commencing to operate a Meccano model, or to run a Hornby Train, all gears and bearings should be oiled thoroughly with Meccano Lubricating Oil. This oil is specially prepared and is of the right consistency for the purpose.

Price, per bottle ... ... 8d.

(For Oilcans see page 25).

Saw Bench

THIS model Saw Bench is suitable for use with an Electric or Clockwork Motor, or Steam Engine. By means of the equidistant holes in the base it may be built into a Meccano Model Workshop. Beautifully

Price ... ... 5/6

finished in black enamel and nickel.

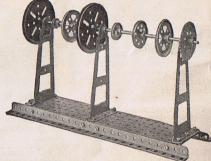
### Meccano Enamel

THE Meccano enamel has been introduced to enable model-builders to convert nickel parts to colour or to touch up coloured parts should such treatment become necessary through mishandling. It is available in red, grey or green, each colour being identical in

colour being identical in shade with the enamels used in the Meccano Factory for spraying Meccano parts.

Price, per tin ... ... ...

### Shafting Standards



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

Standard only, Large ... Price 1/6
, " Small ... ... " 1/-

#### The Meccano Manuals



No. 00 Manual of Instructions Price 4d.

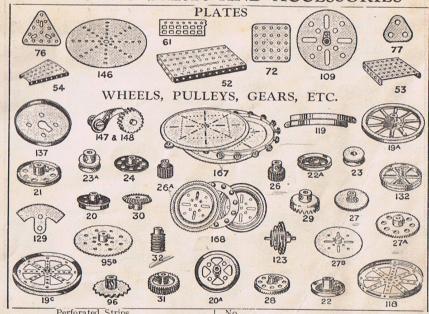
THE Meccano Manuals are all beautifully printed and the illustrations are in half-tone throughout. Every Meccano boy should possess a copy of each of the 00-3 and 4-7 Manuals, in which a total number of 882 models is illustrated, and also a copy of the Standard Mechanisms Manual, in which a fine selection of real engineering movements that may be built with Meccano are reproduced. These Manuals may be purchased as separate units, or if required, bound in an attractive full cloth cover, lettered in gold.

The prices of the Meccano Manuals are as follows:—

Standard Mechanisms Manual Price 1/6
Bound Manual of Instructions , 9/6
Meccano Book of New Models , 9d.

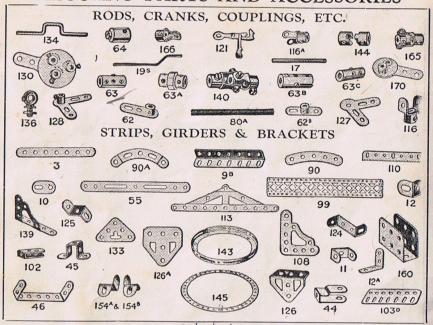
■REAL ENGINEERING FOR BOYS

## MECCANO PARTS AND ACCESSORIES



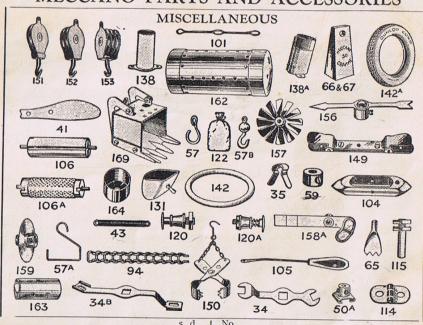
	7 ( 1 2 ( )	I III
-	Perforated Strips	No.
No.		26a. Pinion Wheels, ½" diam., ½" face each
1.	$12\frac{1}{2}'' \frac{1}{2} \operatorname{doz}$ . 1 6   3. $3\frac{1}{2}'' \dots \frac{1}{2} \operatorname{doz}$ . 0 6	26b 1" 3"
1a.	01"	26b. " " $\frac{1}{2}$ " " $\frac{3}{4}$ " " " Gear Wheels
	71" " 1 2 4. 3 " 0 5	Gear Wheels
1b.	$7\frac{1}{2}$ " " 1 0 5. $2\frac{1}{2}$ " " 0 5	27. 50 teeth to gear with \( \frac{3}{2} \) pinion each \( \frac{27}{2} \). 57 " " " " " " " " " " " " " " " " " "
2.	$5\frac{1}{2}$ " , 0 9 6. $2^{\frac{1}{2}}$ , 0 4	27a. 57 " " " " " " "
2a.	$4\frac{1}{2}$ " 0 8   6a. $1\frac{1}{2}$ " 0 4	
A COL	Angle Girders	28. Contrate Wheels, "1½" diam " 29. "16. "74" e <sup>3</sup> " "
7.	24½" each 1 0   9a. 4½" ½ doz. 1 2	29
	$18\frac{1}{2}$ " " 0 9   9b. $3\frac{1}{2}$ " " 1 0	29.
7a.	$18\frac{1}{2}$ " , 0 9 9b. $3\frac{1}{2}$ " , 1 0	30. Bevel Gears, 4", 26 teeth
8.	$12\frac{1}{2}$ $\frac{1}{2}$ doz. 2 6 9c. 3" " 0 11	30a. " " 1", 16 " Can only be "
8a.	$9\frac{1}{2}$ " , 2 0 9d. $2\frac{1}{2}$ " , 0 10	30c. " " 1½", 48 " ] used together "
8b.	$7\frac{1}{2}''$ , 1 8 9e. 2" , 0 9	31. Gear Wheels, 1", 38 teeth "
9.	51" " 1 4 06 11" " 0 0	32. Worms "
10.	Flat Breaksta	
		34. Spanners ,,
11.	Double Brackets each 0 1	34b. Box Spanners
12.	Angle Brackets, $\frac{1}{2}'' \times \frac{1}{2}'' \dots \dots \text{doz. } 0 \text{ 4}$	35. Spring Clips per box (doz.)
12a.	" " " doz. 0 4	36. Screw Drivers each
12b.	", " $1'' \times \frac{1}{2}$ " ", 0 4	360 Entro Land
	" "   X\frac{1}{2} "   0 4   4	001 " " " " " " " " " " " " " " " " " "
13.		0 7 7 7
	11½" each 0 3   16a. 2½" each 0 1	37. Nuts and Bolts, 7/32" per box (doz.)
13a.	8" , 0 3 16b.3" , 0 1	37a. Nuts ,,
14.	6½" ,, 0 2 17. 2" 3 for 0 2	37b. Bolts, 7/32" "
15.	$5''$ , 0 2   18a. $1\frac{1}{2}''$ , 0 2	37f. Nuts and Bolts, 7/32" Fox of "50
15a.	41" " 0 1 101 1" " 0 0	
16.	$\frac{45^{\circ}}{35^{\circ}}$ , 0 1   18b.1" , 0 2	00 117 1
		38. Washers doz.
19.	Crank Handles, Large each 0 3	40. Hanks of Cord each
195.	" " Small " 0 3	41. Propeller Blades per pair
19a.	Wheels, 3" diam., with set screws ", 0 8	12 Corings
20.	Flanged Wheels 11" diam 0 7	44 Cranked Bent String
20b.	3"	45. Double ","
200.	" Pulley Wheels " 0 6	
		46. " Angle Strips, 21" × 1" ½ doz.
19b.	3" dia. with centre boss and set screw each 0 10	47. " 21"×11"
19c.	6" , , , , , , 2 10	47a. 3" > 11"
20a.	2" 0 7	48 11" \ 1"
21.	71"	100
22.	1"	161
23a.	2" " " " " " " " " 5	48c. " " " 4½" × ½" "
22a.	1" ", without ", ", ", ", 0 3	48d. 51" \lambda 1"
23.	1" " " " 0 3	50a. Eye Pieces, with boss each
24.	Bush Wheels " 0 6	52. Perforated Flanged Plates 51" v 21"
25.	Dinion Wheels 3" diam 1" face " 0 9	52a. Flat Plates, $5\frac{1}{2}$ " $\times 3\frac{1}{2}$ "
25a.	3" 1" 0 11	
	" " 1 " 2" " " " 1 1 1	53. Perforated Flanged Plates, $3\frac{1}{2}'' \times 2\frac{1}{2}''$
25b.	" " \$ " " \$ " " " " 1 2 1 2 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3	53a. Flat Plates, $4\frac{1}{2}'' \times 2\frac{1}{2}''$
26.	" " $\frac{1}{2}$ " " $\frac{1}{4}$ " " " 0 6	54. Perforated Flanged Sector Plates "
		,
200		Page

## MECCANO PARTS AND ACCESSORIES



N		
No.	s. d.	No. s. d.
55.	Ferforated Strips, slotted, 5½" long each 0 3	90. 2½" Curved Strips, 2¾" radius each 0 2
55a.	_ ,, ,, 2" ,, ,, 0 2	90a. 2½" " " cranked, 1¾"
56.	Instruction Manuals, No. 4-7 " " 2 0	radius, 4 to circle " 0 2
56a.	, , , , , , , , , , , , , , , , , , , ,	94. Sprocket Chain per 40" length 0 8
56b.	, , , , , , , , , , , , , , , , , , ,	0= 1111 1 001 11 011 11
56c.		
56d.	Book of New Models 0 0	, , , , , , , , , , , , , , , , , , , ,
56e.	* //	
56f.		96. " " 18 " 1" " " 0 5
57.	Bound Manuals " 9 6	96a. " " 14 " ¾" " " 0 4
57a.	Hooks " 0 1	97. Braced Girders, 3½" long ½ doz. 1 3
	" Scientific " 0 2	97a. " " 3" " " 1 0
57b.	" Loaded " 0 4	98. " " 21" " " 1 0
58.	Spring Cord per length 1 2	191" 3 0
58a.	Coupling Screws for Spring Cord doz. 0 9	992 91" 2 10
59.	Collars with Set Screws 2 for 0 5	99h " " 71" " " 2 10
61.	Windmill Sails each 0 2	100 " 51" " 1 0
62.	Cranks	" " " " " " " " " " " " " " " " " " " "
62a.	Threaded Cranks	
62b.	Double Ann Carela	
63.	Couplings " 0 4	102. Single Bent Strips each 0 2
63a.	Out and I Could be a second of the second of	103. Flat Girders, 5½" long ½ doz. 1 2
	Octagonal Couplings ,, 1 0	103a. " " 9½" " " 1 8
63b.	Strip Couplings " 1 0	103b. ", ", $12\frac{1}{2}$ " ", ", 1 9
63c.	Threaded Couplings , 0 8	103c. ", ", $4\frac{1}{2}$ ", ", 1 0
64.	" Bosses " 0 3	103d 3½" 0 10
65.	Centre Forks , 0 2	103e. 3" 0 8
. 66.	Weights, 50 grammes " 1 5	103f " 21" " 0 7
67.	, 25 , , 1 5	103α
68.	Woodscrews, ½" doz. 0 4	103b " " 11" " " " 0 6
69.	Set Screwe	103k " 71" " 1 5
69a.	Grub Scrowe 5/39"	104 61 40 6 1 7
69b.	7/20"	
70.	Flat Plates 51" v 91"	
72.		
76.		106a. Sand Rollers , 2 6
	Triangular Plates, $2\frac{1}{2}$ 0 3	107. Tables for Designing Machines ", 2 2
77	, , 1" ,, 0 2	108. Architraves 0 3
	Screwed Rods	109. Face Plates, 2½" diam 0 6
78.	$11\frac{1}{2}''$ each 0 9   80a. $3\frac{1}{2}''$ each 0 4	110. Rack Strips, 3½" 0 3
79.	$8''$ , 0 7   80b. $4\frac{1}{2}''$ , 0 5	1102
79a.	6" , 0 6 81. 2" " 0 3	111 Polto 3"
80.	5" " 0 5 82 1" " 0 2	1110
89.	51" Curved Stripe 10" radius " 0 9	1110 " 1"
89a.	2" overled 13"	113 Girder Frames
	,, ,, ,,	111 111 111 0001 0
Po	radius, 4 to circle " 0 3	114. Hinges per pair 0 6
1 0	ge 10	

## MECCANO PARTS AND ACCESSORIES



			751				54 00 114
No.	m 1.15:			d.	1	No.	S. S.
115.	Threaded Pins	each		3		145.	Circular Strips, 74" diam, over all each 1
116.	Fork Pieces, Large	,,	0	5		146.	" Plates, 6"
116a.			0	5		147.	Pawls, with pivot bolt and nuts
117.	Steel Balls, 3" diam	doz.		9		147a.	Pawls
118.	Hub Discs, 5½" "	each	1	9		147b.	Pivot Bolt with 2 nuts
119.	Channel Segments (8 to circle, 11½"					148.	Katchet Wheels 0
120.	diam.)		0	6		149.	Collecting Shoes, for Electric Locos
120a.	Buffers		0	3		150.	Crane Grabs 0
120a. 120b.		er pair		0		151.	Pulley Blocks, Single Sheave , 1
121.		each		2		152.	" " Two " " 1
122.	Train Couplings		0	3		153.	" Three 1
123.	Miniature Loaded Sacks		0	3	1	154a.	Corner Angle Brackets, \(\frac{1}{n}\), right
124.	Cone Pulleys		1	9	T		hand 1 doz 0
125.		$\frac{1}{2}$ doz.		6		154b.	Corner Angle Brackets 1" left hand
126.	Tring" " " " " " " " " " " " " " " " " " "		0	4.		155.	Rubber Rings, \\ \frac{2}{3}\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \
126a.	Trunnions			3		156.	Pointers, 24" over-all, with bosses
120a. 127.	Flat Trunnions Simple Bell Cranks	"	0	2		157.	Fans, 2" diam.
128.	Boss	"	0	2 5	-	158a.	Signal Arms, Home 0
129.	Boss " " " Rack Segments, 3" diam	"	0			158D.	Distant
130.	Eccontrice Triple Throw	"	0	7 5		159.	Circular Saws " 1
131.		1 100	1	5		160.	Channel Bearings, $1\frac{1}{2}'' \times 1'' \times \frac{1}{2}''$ ", 0
132.	El	doz.		9		161.	Girder Bracket, $2'' \times 1'' \times \frac{1}{2}''$ 2 for 0
133.	Corner Presidente		0	2		162.	Boiler, complete with ends each 1
134.	0 1 01 01 11 1	"	0	3		162a.	Boiler ends " 0
135.	Theodolite Protrectors	"	0	3		162b. 1	Boiler, without ends ", 0
136.	Handrail Comments	"	0	5			Sleeve Pieces per pair 0
137.	Wheel Flances	"	0	5			Chimney Adaptors each 0
138.	Chin Funnala	"	0	5			Swivel Bearings " 0
	z. " Raked	"	1	2		167.	End " " " " " " 0
139.		"	ô	3		1670	Geared Roller Bearings " 28
139a.	" (left)	"	0	3		167h	Roller Races, geared, 192 teeth " 6
140.	Universal Couplings	100	1	2		1670. 1	Ring Frames for Rollers ", 4
141.	Wire Lines (for suspending clock	"	2	4		168. I	Pinions for Roller Bearings, 16 teeth ", 1
	weights)		1	0		168a.	Ball Bearings, 4" diam ", 4
142.	Rubber Rings, 3" rim	"	ô	5		168b.	" Races, flanged disc " 0
142a.	Dunlop Tyre to fit 2" diam. rim	"	ŏ	7		168c.	" toothed " " 1
142b.	3"		ŏ	9	1		" Casings, complete with balls " 2 (
142c.	" " " " " " " "			41			Digger Buckets                3         (           Eccentrics, \frac{1}{2}" throw             1         2
142d.	Dunlop Tyre to fit 2" diam. rim 3" , , , ,			6		171. S	ocket Counlings
143.	Circular Girders, 5½" diam		1	5		172. I	Pendulum Connections
144.	Dog Clutches	91075	0	9		17.3	Call Adaptore
	* The series includes 26 funnels in	the cor	rec	t de	cia	me and	Colours of leading shipping companies.
	and dozed merades 20 fulliers, in	the cor.	100	t de	218	ons dira	
							Page 11

# HORNBY CLOCKWORK TRAINS

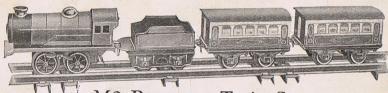
HORNBY TRAINS are manufactured by Meccano Limited and they are made from the finest materials obtainable. The splendid fun of running a Hornby railway is real and lasting because of the exceptional strength and reliable mechanism of the Hornby Locomotives, the realistic Hornby Rolling Stock, and the wide range of Hornby Accessories—all built in perfect proportion and all beautifully finished.



THE M0 Sets are the smallest members of the Hornby Train Series. They are strongly built and well finished, and the Locomotives are fitted with a very efficient clockwork mechanism that gives a long run.

The M0 Goods Set consists of M0 Locomotive and Tender (available in either red or green), two M0 Goods Wagons, and Rails for a circular track measuring 211 in diameter. One of the rails is a Brake Rail, by means of which the train may be braked from the track. Gauge 0 ... Price 7/9 The separate prices of the components of the MO Goods Train Set are indicated after the MO

Passenger Train Set descriptive matter below.



MO Passenger Train Set

THIS set consists of an M0 Locomotive and Tender (available in red or green), two newly designed Pullman Coaches, and Rails for a circular track measuring 21½" in diameter. One of the rails is a Brake Rail, by means of which the train may be braked from the track. The components of the MO Passenger and MO Goods Sets may be purchased separately if required. The prices are as ollows :-

M0 Locomotive, non-reversing (without Tender) Price 4/-M0 Tender ... Price 1/-M0 Pullman Coach ... ... ,, 1/3 M0 Wagon ... "



## M1 and M2 Passenger Train Sets

M1 Passenger Set. This set contains M1 Locomotive (non-reversible), M1 Tender, two M1 Pullman Coaches and set of Rails to form an oval track measuring 3 ft. 2 ins. by 2ft. 3 ins. One of the rails is a Brake Rail, by means of which the train may be braked from the track. The set is richly coloured and well finished. Gauge 0 ... ... Price 12/-

M2 Passenger Train Set. This set is similar to the M1 Passenger Set but it has three M1 Pullman Coaches instead of two, and the Rails included will make an oval track measuring 4 ft. by 2 ft. 3 ins. Gauge 0 ... ... ... ... ... ... ... Price 15/-

The components of the M1 and M2 Passenger Train Sets may be purchased separately, if required. The prices are as follows:

M1 Locomotive (without Tender) Price 5/-M1 Pullman Coach ... Price 1/6

For prices of Rails, Points and Crossings, see pages 30 and 31.

## HORNBY CLOCKWORK TRAINS

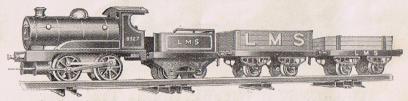
BRITISH AND GUARANTEED



### M Goods Train Set

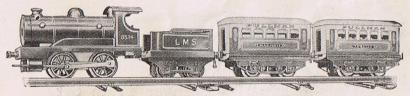
THIS is a strongly-built and reliable Train Set. It consists of M1 Locomotive (non-reversible), M1 Tender, two M1 Goods Wagons and set of Rails for an oval track measuring 3 ft. 2 ins. by 2 ft. 3 ins. One of the rails is a Brake Rail, by means of which the train may prices are as follows :-

M1 Locomotive (without Γender) Price 5/- M1 Tender ... Price 1/3 M1 Wagon ... ... Frice 1/9



## Hornby No. 0 Goods Train Set

THIS realistic goods set contains a No. 0 Locomotive (non-reversible), No. 0/1 Tender, No. 0 Wagon, No. 1 Timber Wagon, and set of Rails to make an oval track measuring 3 ft. 2 ins. by 2 ft. 3 ins. One of the rails is a Erake Rail, by means of which the train may be braked from the track The separate prices of the components of No. 0 Goods Set are indicated after the No. 0 Passenger Train Set descriptive matter below.



## Hornby No. 0 Passenger Train Set

HORNBY No. 0 Passenger Set is a handsome train set composed of No. 0 Locomotive (non-reversible), No. 0/1 Tender, two M1 Pullman Coaches and Set of Rails to make an oval track measuring 3 ft. 2 ins. by 2 ft. 3 ins. One of the rails is a brake rail, by means of which the train may be braked from the track ... ... ... ... ... ... ... ... Price 24/-The components of the Hornby No. 0 Train Sets may be purchased separately, if required.

Prices are as follows: Hornby No. 0 Locomotive (without Tender) ... ... Hornby No. 0 Locomotive (without Tender)
Hornby No. 0/1 Tender
M1 Pullman Coach
Hornby Wagon No. 0
No. 1 Timber Wagon

For prices of Rails, Points and Crossings, see pages 30 and 31.

NOTE: - Hornby Locomotives and Rolling Stock (with the exception of No. 2 Special and No. 3 Locomotives and Tenders, which are available with English lettering only will be supplied with N.Z.R. lettering unless English lettering, L.M.S., L.N.E.R., G.W. or S.R., is specified. This applies to enamelled goods only and not to tin printed goods.

## HORNBY CLOCKWORK TRAINS

BRITISH AND GUARANTEED



## Hornby No. 1 Goods Train Set

THIS splendid Goods Set contains No. 1 Locomotive fitted with reversing gear, No. 0/1 Tender, No. 1 Wagon, Brake Van and Rails to form a circular track measuring 4 ft. 3 ins. ... ... ... Price 30/in diameter. Gauge 0 ... ... ...

The components of the Hornby No. 1 Goods Train Set may be purchased separately, if required. Prices are as follows :-

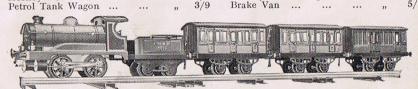
Hornby No. 1 Locomotive		nder)		 	 Price	
Hornby No. 0/1 Tender	 		 	 	 ,,	2/3
Hornby No. 1 Wagon	 		 	 	 "	2/9
Brake Van	 		 	 	 "	5/-



## Hornby No. 1 Tank Goods Train Set

THIS set contains Hornby No. 1 Tank Locomotive (fitted with reversing gear), No. 1 Wagon, Fetrol Tank Wagon, Brake Van and set of Rails to build a circular track measuring 4 ft. 3 ins. in diameter. One of the rails is a Brake Rail, by means of which the train may be braked from the track. Gauge 0 ... ... ... ... ... ... ... Price 35/-The components of the Hornby No. 1 Tank Goods Set may be purchased separately, if required.

The prices are as follows:-Hornby No. 1 Tank Locomotive Price 17/6 Hornby No. 1 Wagon ... Price 2/9



## Hornby No. 1 Passenger Train Set

THIS very attractive train set consists of No. 1 Locomotive (fitted with reversing gear),  $N_{\rm O}$ . 0/1 Tender, two No. 1 Passenger Coaches, Guard's Van and Rails to make a circular track measuring 4 ft. 3 ins. in diameter. One of the rails is a Brake Rail, by means of which the train may be braked from the track. The doors of the coaches open. Gauge 0. Price 36/6 The components of the Hornby No. 1 Passenger Train Set may be purchased separately, if The brices are as follows :

Hornby No. 1	Locomotive (with								Price	18/-
Hornby No. 0									,,	2/3
	Passenger Coach	•••							"	$\frac{3/9}{4/6}$
Guard's Van	For prices of Rail	s. Point	s and	Crossins	es. see	bages 3	o and	31.	"	4/0

NOTE: - Hornby Locomotives and Rolling Stock (with the exception of No. 2 Special and No. 3 Locomotives and Tenders, which are available with English lettering only) will be supplied with N.Z.R. lettering unless English lettering, L.M.S., L.N.E.R., G.W. or S.R., is specified. This applies to enamelled goods only and not to tin printed goods.

# HORNBY CLOCKWORK TRAINS



## No. 1 Special Goods Train Set

THIS handsome and highly efficient train set contains Locomotive (fitted with reversing gear and braking device), Tender, No. 1 Wagon, Brake Van, and Rails for an oval track measuring 5 ft. 2 ins. by 4 ft. 3 ins. One of the rails is a Brake and Reverse Rail which enables the Locomotive to be braked or reversed from the track. Gauge 0 ... Price 47/6 The components of the Hornby No. 1 Special Goods Train Set may be purchased separately, if required. The prices are given under the No. 1 Special Passenger Set descriptive matter below,



## Hornby No. 1 Special Passenger Train Set

THIS set is similar to the No. 1 Special Goods Train Set but it contains two No. 1 Pullman Coaches and one No. 1 Pullman Coach Composite in place of the Wagon and Brake Van. The doors of the Coaches open. Gauge 0 ... ... Price 51/6 The components of the Hornby No. 1 Special Goods and No. 1 Special Passenger Train Sets

Hornby	No 1	Special Leaves	parately, if	rec	juired. I	The .	prices are	as	follows	:	
Hornby	No. 1	Special Locom Special Tender	otive (without	ut	Tender)					Price	25/-
Hornby	No. 1	Pullman Coach		•••			/			,,	5/-
Hornby	No. 1	Pullman Coach	Composite	•••						,,	5/-
Hornby	Brake	Van					***	•••		,,	5/9
Hornby	No. 1	Wagon				•••				,,	5/-
VW.	400	magon		••••		•••				,,	2/9



## Hornby No. 2 Mixed Goods Train Set

THIS realistic Goods Train consists of a splendid 4-4-2 Tank Locomotive, Hornby No. 1 Wagon, No. 1 Cattle Truck, Petrol Tank Wagon, Brake Van and set of Rails to form an oval track measuring 5 ft. 2 ins. by 4 ft. 3 ins. A Brake and Reverse Rail is included, by means of which the Locomotive may be braked or reversed from the track. Gauge 0.

The components of the Hornby No. 2 Mixed Goods Set may be purchased separately, if required.

Hornby Ma	0 0	1 .	- In	e prices	are a	s follor	ws:-			
Hornby No. Hornby No.	1 Wagon	Tank		motive	•••			 	 Price	35/-
Petrol Tank	Wagon							 	 ,,	2/9
Brake Van								 	 ,,	3/9
No. 1 Cattle							***	 	 ,,	5/-
	T		***	***				 	 "	4/6

For prices of Rails, Points and Crossings, see pages 30 and 31.

NOTE: - Hornby Locomotives and Rolling Stock (with the exception of No. 2 Special and No. 3 Locomotives and Tenders, which are available with English lettering only will be supplied with N.Z.R. lettering unless English lettering, L.M.S., L.N.E.R., G.W. or S.R., is specified. This applies to enamelled goods only and not to tin printed goods.

## HORNBY CLOCKWORK TRAINS

BRITISH AND GUARANTEED



Hornby Metropolitan Train Set C

#### METROPOLITAN TRAIN SET C

THIS set contains a powerful Clockwork Locomotive, two Metropolitan Coaches and set of Rails, including a Brake and Reverse Rail, by means of which the train may be braked and reversed from the track. The Locomotive and Coaches are modelled on the Electric Passenger Rolling stock of the famous London Metropolitan Railway. Gauge 0 ... Price 80/-The Locomotive and Coaches of this Set may be purchased separately, if required. The prices are as follows :-

Metropolitan Clockwork Locomotive C ... Price 36/- Metropolitan Coach C ... Price 18/6



Hornby No. 3C Riviera "Blue" Train

THE No. 3C CLOCKWORK RIVIERA "BLUE" TRAIN SET contains Clockwork Locomotive, Riviera "Blue" Tender, Riviera "Blue" Dining Car, Riviera "Blue" Sleeping Car and set of Rails to form an oval track measuring 6 ft. by 4 ft. 3 ins. A Brake and Reverse Rail is included, by means of which the train may be braked and reversed from the track. The Locomotive, Tender and Coaches are enamelled in the correct colours of the Riviera "Blue" ... ... ... ... ... ... ... ... Price 92/6

The components of the Hornby Clockwork Riviera "Blue". Train Set may be purchased separately. if required. The prices are as follows:-

Hornby No. 3C Riviera "Blue" Locomotive Hornby No. 3 Tender, Riviera "Blue"	 	 	 Price	40/-
Hornby Ro. 5 Tender, Riviera Blue	 	 	 "	7/6
Hornby Riviera "Blue" Dining Car	 	 	 ,,	20/-



Hornby No. 2 Special Pullman Set, L.N.E.R.

No. 2 SPECIAL PULLMAN SET, L.N.E.R. This set contains Locomotive, Tender, No. 2 Special Pullman Coach, No. 2 Special Pullman Coach Composite and set of Rails, including a Brake and Reverse Rail by means of which the train can be braked and reversed from the track. The Locomotive, which is enamelled in green, is named "Yorkshire" and is a model of the famous "Shire" class. ... ... Price 97/6

No. 2 SPECIAL PULLMAN SET, L.M.S.R. The contents of this set are as those of the No. 2 Special Pullman Set, L.N.E.R. The Locomotive, which is enamelled in dark red, is numbered 1185 and is a model of the L.M.S. "Standard Compound" class which are not named ... ... Price 97/6

No. 2 SPECIAL PULLMAN SET, G.W.R. The contents of the set are as those of the No. 2 Special Pullman Set, L.N.E.R. The Locomotive, which is enamelled in Great Western green, is named "County of Bedford" and is a model of the famous "County" class. Price 97/6 Price 97/6

No. 2 SPECIAL PULLMAN SET, S.R. The contents of the set are similar to those of the No. 2 Special Pullman Set, L.N.E.R. The Locomotive, which is enamelled in green, is numbered A759 and is a model of the famous new "L" class, which are not named. Price 97/6

The components of the No. 2 Special Pullman Sets may be purchased separately, if required. The prices are as follows:

Hornby No. 2 Special Passenger Locomotive (without Tender), L.N.E.R., L.M.S.R., G.W.R. or S.R. ... ... ... Price 37/6

Hornby No. 2 Special Tender...Price 9/- Hornby No. 2 Special Pullman Coach , 21/-

Hornby No. 2 Special Pullman Coach Composite ... ... ... ... ... , 22/6 For prices of Rails, Points and Crossings, see pages 30 and 31.

HORNBY CLOCKWORK TRAINS



## Hornby No. 3 Clockwork Train Sets

THE Hornby No. 3 Clockwork Train Sets are distinctive in design and beautifully enamelled in correct colours. They are available with either Clockwork or Electric Locomotives and in each case the Locomotive carries the name of a famous British Locomotive on the front wheel guards. The Clockwork sets are described below, while full details of the Electric sets are given on page 18. Gauge 0.

HORNBY No. 3C G.W. "CORNISH RIVIERA." This set contains Clockwork Locomotive, Tender, No. 2 Special Pullman Coach, No. 2 Special Pullman Coach Composite and set of Rails to form an oval track measuring 6 ft. by 4 ft. 3 ins. A Brake and Reverse Rail is included, by means of which the train can be braked and reversed from the track. The train is enamelled in Great Western passenger train colours and the Locomotive is named "Caerphilly Castle" ... ... ... ... ... Price 97/6

HORNBY No. 3C L.M.S. "ROYAL SCOT." The contents of this set are as those of the No. 3C G.W. "Cornish Riviera" Train Set. The train is enamelled in L.M.S. passenger train colours and the Locomotive is named "Royal Scot" ... ... ... Price 97/6

HORNBY No. 3C L.N.E.R. "FLYING SCOTSMAN." The contents of this set are as those of the Hornby No. 3C G.W. "Cornish Riviera" Train Set. The train is enamelled in L.N.E.R. passenger train colours and the Locomotive is named "Flying Scotsman" ... Price 97/6

HORNBY No. 3C S.R. "CONTINENTAL EXPRESS." The contents of this set are similar to those of the No. 3C G.W. "Cornish Riviera" Train Set. The train is enamelled in S.R. passenger train colours and the Locomotive is named "Lord Nelson" ... Price 97/6 The components of the No. 3 Clockwork Train Sets, detailed above, may be purchased separately, if required. The prices are as follows:-

Hornby No. 3 Clockwork Locomotive, L.M.S., L.N.E.R., G.W. or S.R. (without Hornby No. 2 Special Pullman Coach Composite ... ...

## HORNBY CLOCKWORK TANK LOCOMOTIVES



No. 1 Tank Locomotive

#### No. 1 Tank Locomotive

This is a strong and durable Locomotive capable of any amount of hard work. It is richly enamelled, highly finished, and is fitted with brake mechanism and revers-Price 17/6 ing gear.



No. 1 Special Tank Locomotive

#### No. 2 Special Tank Locomotive

This Locomotive is fitted with a very powerful Clockwork mechanism giving great length of run and exceptional pulling power. It is a perfect model in every respect and is beautifully finished in colours. Gauge 0. Price 35/-



No. 2 Special Tank Locomotive

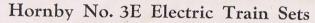
#### No. 1 Special Tank Locomotive

This splendid Locomotive has remarkable power and speed. It is perfect in design and finish and is available in colours. Gauge 0. Price 25/-

For prices of Rails, Points and Crossings, see pages 30 and 31.

## HORNBY ELECTRIC TRAINS

BRITISH AND GUARANTEED



THE Hornby Electric Trains are perfect in design, workmanship and efficiency. They have withstood the severest tests and each one carries the Hornby Guarantee. All the Train Sets in the Hornby No. 3 Series including the Riviera "Blue" Train are available with 6-volt Electric Locomotives.

The 6-volt Electric Motor in each Locomotive is best operated from a 6-volt Accumulator, but it may be driven from the main (alternating current only) through a Transformer, capable of supplying 2 amp. at 7-volts. Details and prices of these two items are given on page 19.



Hornby No. 3E L.N.E.R. "Flying Scotsman"

HORNBY No. 3E RIVIERA "BLUE" TRAIN. The Locomotive, Tender and Coaches of this set are enamelled in the correct colours of the Riviera "Blue" Train. The set contains an Electric Locomotive (6-volt), Tender, Riviera "Blue" Dining Car, Riviera "Blue" Sleeping Car, Resistance Controller and set of Electrical Rails to form a circular track measuring 4 ft. 3 ins. in diameter ... ... ... ... Price 115/-

The components of the Hornby No. 3 Electric Riviera "Blue" Train may be purchased separately, if required. The prices are as follows:-

Hornby No. 3E Locomotive, Riviera "Blue	ue "	(with	out Ter	nder)	 	Price	55/-
						,,	
Hornby Riviera "Blue" Dining Car .							20/-
Hornby Riviera "Blue" Sleeping Car							20/-
Resistance Controller						"	

HORNBY No. 3E G.W. "CORNISH RIVIERA." The Locomotive is enamelled in Great Western colours and is named "Caerphilly Castle." The set contains an Electric Locomotive (6-volt), Tender, No. 2 Special Pullman Coach, No. 2 Special Pullman Coach Composite, Resistance Controller and set of Electrical Rails to form a circular track measuring 4 ft. 3 ins. in diameter ... ... ... ... ... ... ... ... Price 120/-

... ... Price 120/-

HORNBY No. 3E L.N.E.R. "FLYING SCOTSMAN." The Locomotive is enamelled in green and is named "Flying Scotsman." The contents of the set are similar to those of the No. 3E G.W., "Cornish Riviera" Train Set... ... Price 120/-

HORNBY No. 3E S.R. "CONTINENTAL EXPRESS." The Locomotive is enamelled in dark green and is named "Lord Nelson." The contents of the set are similar to those of the No. 3E G.W. "Cornish Riviera" Train Set ... ... ... ... ... Price 120/-

The components of the Hornby No. 3 Electric Train Sets may be purchased separately, if required. The prices are as follows:-

Hornby No. 3E Locomotive, L.	M.S., L	N.E.R.,	G.W.	or S.R.	(with	out Te	ender)	Price	55/-
Hornby No. 2 Special Pullman	Coach								21/-
Hornby No. 2 Special Pullman	Coach	Compos	site					70.04	22/6
Hornby No. 2 Special Tender							41.19		9/-
Resistance Controller								,,	6/-

For prices of Rails, Points and Crossings, see pages 30 and 31.

## HORNBY ELECTRIC TANK LOCOMOTIVES

HORNBY METROPOLITAN TRAIN SET L.V. (6-VOLT ELECTRIC) contains Electric Locomotive, two Coaches, Resistance Controller and set of electrical rails.

The Locomotive is fitted with a 6-volt motor, which is best operated from a 6-volt Accumulator, but it may also be driven from the main (alternating current only) through a Transformer, capable of supplying 2 amps. at 7 volts. Price 130/-

The Locomotive, Coaches and Resistance Controller contained in this set may be purchased separately, if required. The prices are as follows :-

Metropolitan Electric Locomotive L.V. Price 60/-Metropolitan Coach L.V. ... ... Resistance Controller ... ...

" 27/6

Hornby Metropolitan Train L.V.



#### HORNBY No. 1 ELECTRIC TANK LOCOMOTIVE (6-VOLT PERMANENT MAGNET TYPE)

THIS Electric Locomotive is of the permanent magnet type and is operated from a 6-volt accumulator. It will not work from the main through a transformer.

The Locomotive can be stopped, re-started, reversed and the speed varied by the operation of a lever at the side of the track. It is supplied with a terminal connecting plate, speed and reverse control switch and 3 ft. of flex. Price 45/-

This Locomotive and its Accessories may be purchased separately if desired. Prices:-Locomotive ... ... ... 35/- SI Terminal Connecting Plate Speed and Reverse Control Switch 10/-

## HORNBY No. 2 ELECTRIC TANK LOCOMOTIVE (6-volt)

THIS new Electric Locomotive is powerfully built and is perfect in It may be design and workmanship. run from a 6-volt Accumulator or (with a Transformer) direct from the main. In every respect it is a very fine model. ... Price 52/6



#### MECCANO ACCUMULATOR 6-volt, 20 Ampere-hour (Actual) Capacity

THIS Accumulator has been specially designed for running Hornby 6-volt Electric Locomotives. Provided that it is re-charged at regular intervals it will give good service for many years. Dimensions of the accumulator: width 41 ins., depth 38 ins., height 68 ins., weight 9 lbs. 10 ozs. ... ... Price 35/-



#### TRANSFORMER

BY means of this Transformer the Hornby No. 3E and No. 2 Tank Locomotives (6-volt Electric) may be driven from the house supply (alternating current only). It is available for all standard supply voltages, from 100 to 250 inclusive, at all standard frequencies. The supply voltage and frequency must be specified when ordering. Price 40/-



# HORNBY ROLLING STOCK



BISCUIT VAN, "CARR'S' Finished in blue. Price 5/-



BISCUIT VAN,
"CRAWFORD'S"
Finished in red. Price 5/-



BISCUIT VAN, "JACOB'S" Finished in crimson lake. Price 5/-



BITUMEN TANK WAGON, "COLAS"
Beautifully enamelled in blue.
Price 7/6



BRAKE VAN
Finished in grey. With
opening doors. Price 5/-



BRAKE VAN
Finished in brown. With
opening doors. Price 5/-



BRAKE VAN, FRENCH TYPE Lettered "Nord." Price 6/6



BREAKDOWN VAN AND CRANE
Suitable for 2 ft. radius rails only.

Price 9/-



CATTLE TRUCK No. 1 Fitted with sliding doors. Very realistic design. Price 4/6



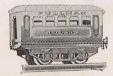
CATTLE TRUCK No. 2 Splendid model. Suitable for 2 ft. radius rails only. Price 8/-



CEMENT WAGON Finished in red. Price 4/6



COACH, M0 PULLMAN
Well made and beautifully
finished. Price 1/3



COACH, M1 PULLMAN. Strongly-built. Well finished in colours. Price 1/6



COACH, HORNBY No. 1 PASSENGER Price 3/9



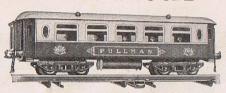
COACH, No. 1 PULLMAN As supplied with No. 1 Special Passenger sets. Price 5/-

NOTE:—Hornby Locomotives and Rolling Stock (with the exception of No. 2 Special and No. 3 Locomotives and Tenders, which are available with English lettering only) will be supplied with N.Z.R. lettering unless English lettering, L.M.E.R. C.W. or S.R., is specified. This applies to enamelled goods only and not to tin printed goods.

# HORNBY ROLLING STOCK

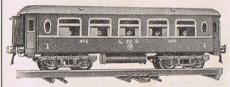


COACH, No. 1 PULLMAN COMPOSITE As supplied with No. 1 Special Passenger Sets. Price 5/9



COACH, No. 2 PULLMAN
This is a beautiful model. Suitable for 2 ft. radius tracks only.

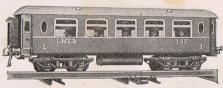
Price 16/6



COACH, No. 2 SALOON, L.M.S.

A well made and beautifully finished model.

Price 16/6



COACH, No. 2 SALOON, L.N.E.R. Beautifully finished in correct colours. Price 16/6



COACH, No. 2 SPECIAL PULLMAN
As supplied with No. 2 Special and No. 3 Pullman
Train Sets. Suitable for 2 ft. radius rails only.
Price 21/-



No. 2 SPECIAL PULLMAN COMPOSITE
As supplied with No. 2 Special and No. 3 Pullman
Train Sets. Suitable for 2 ft. radius rails only.
Price 22/6



COACH, RIVIERA "BLUE" TRAIN
"Dining Car" or "Sleeping Car"
This is a beautiful model, Suitable for 2 ft. radius rails only.

Price 20/-



CRANE TRUCK Finished in brown and blue. Price 5/-



GAS CYLINDER
WAGON
Finished in red,
lettered gold.
Price 3/9



GUARD'S VAN
Finished in colours. Price 4/6



GUNPOWDER VAN
With opening doors. Price 5/-



HOPPER WAGON Finished in green. Price 4/9

NOTE:—Hornby Locomotives and Rolling Stock (with the exception of No. 2 Special and No. 3 Locomotives and Tenders, which are available with English lettering only) will be supplied with N.Z.R. lettering unless English lettering, L.M.S., L.N.E.R., G.W. or S.R., is specified. This applies to enamelled goods only and not to tin printed goods.

## **HORNBY ROLLING STOCK**

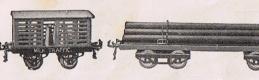






LUGGAGE VAN No. 1 With opening doors Price 5/- LUGGAGE VAN No. 2
Fitted with double doors.
Suitable for 2 ft. radius rails
only.
Price 8/6

LUMBER WAGON No. 1 Fitted with bolsters and stanchions. Price 3/-





MILK TRAFFIC VAN
Fitted with sliding doors.
Contains four milk cans.
Price 5/-

LUMBER WAGON No. 2 Fitted with bolsters and stanchions for log transport. Suitable for 2 ft. radius rails only. Price 5/9 MILK TANK WAGON
"United Dairies"
A very realistic model,
finished in blue and white.
Price 8/6









OIL TANK
WAGON,
"CASTROL"
An attractive model.
Enamelled green
with lettering in red.
Price 3/9

PETROL TANK
WAGON,
"B.P."
Finished in cream

PETROL TANK
WAGON,
"PRATTS"
Finished in green.
Price 3/9

PETROL TANK
WAGON,
"REDLINE"
Finished in blue and
red. Price 3/9



PETROL TANK WAGON
"SHELL"
Finished in red. Price 3/9



REFRIGERATOR VAN
Richly enamelled. Opening
doors. Price 5/6



ROTARY TIPPING WAGON Finished in orange. Price 4/3



SECCOTINE VAN
Beautifully finished in blue.
Price 5/-



SIDE TIPPING WAGON
"Robert Hudson, Leeds"
Excellent design and finish.
Price 3/9



SNOW PLOUGH With revolving plough. Price 8/-

NOTE:—Hornby Locomotives and Rolling Stock (with the exception of No. 2 Special and No. 3 Locomotives and Tenders, which are available with English lettering only) will be supplied with N.Z.R. lettering unless English lettering, L.M.S., L.N.E.R., G.W. or S.R., is specified. This applies to enamelled goods only and not to tin-printed goods.

## HORNBY ROLLING STOCK



TIMBER WAGON No. 1 Beautifully enamelled in green and red. Price 2/9

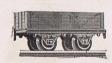


TIMBER WAGON No. 2
Beautifully enamelled in green and red.
Suitable for 2 ft. radius rails only. Price 5/-



TROLLEY WAGON
Finished in brown and blue. Suitable for 2 ft. radius rails only.

Price 6/6



WAGON, M0, As supplied with M0 Goods Set. Price 1/-



WAGON, M1
As supplied with M1 Goods
Set. Price 1/9



WAGON, HORNBY No. 0 As supplied with Hornby No. 0 Gcods Set. Price 2/3 WAGON, HORNBY No. 1 (Illustrated)

Beautifully enamelled. As supplied with Hornby No. 1 and No. 2 Mixed Goods Sets.
Price 2/9



WAGON, FRENCH TYPE
With look out
Lettered "Nord." Price 5/6



WAGON, COVERED (FRENCH TYPE) This wagon is fitted with frame and sheet. Lettered "Nord." Price 4/3



WINE WAGON, DOUBLE BARREL An attractive model artistically enamelled in red and green. Price 7/-

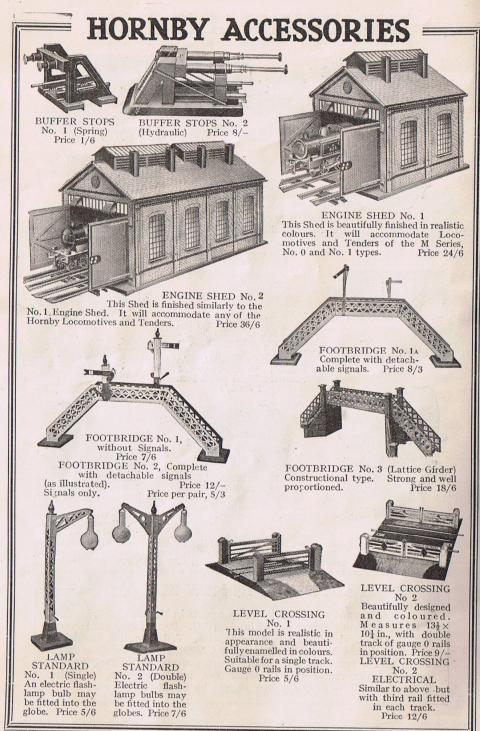


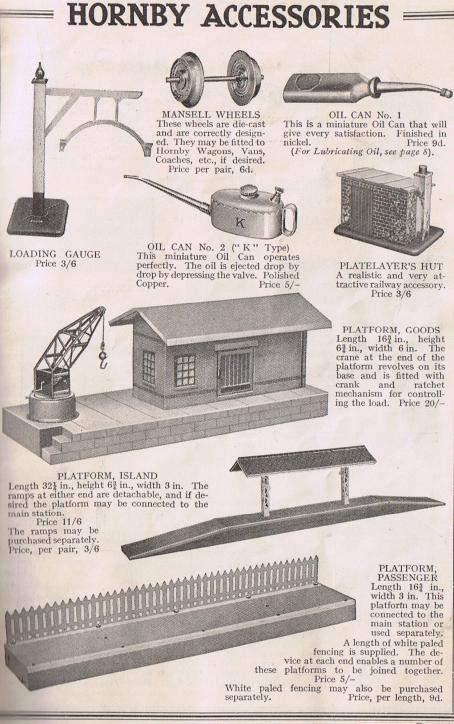
WINE WAGON, SINGLE BARREL An interesting model representing the single barrel type of Wine Wagon used in France, Beautifully finished. Price 5/9

NOTE:—Hornby Locomotives and Rolling Stock (with the exception of No. 2 Special and No. 3 Locomotives and Tenders, which are available with English lettering only) will be supplied with N.Z.R. lettering unless English lettering, L.M.S., L.N.E.R., G.W. or S.R., is specified. This applies to enamelled goods only and not to tin printed goods.

### -REPAIR DEPOT IN NEW ZEALAND

The Meccano and Hornby Train agents in New Zealand, Models Ltd., Kingston Street, Auckland (P.O. Box 129), are now equipped to deal with all Hornby repairs. A locomotive requiring attention should be sent to this agency, together with the Guarantee Form and a remittance to cover return postage. Full instructions regarding the repair to be carried out must be given, and the name and address of the sender should be clearly indicated.





# HORNBY ACCESSORIES



PLATFORM CRANE The Crane is fitted with a crank and ratchet mechanism. Price 7/-



RAILWAY ACCESSORIES No. 4 This set comprises all the pieces

that are contained in Railway Accessories Nos. 1, 2 and 3.
Price 6/6

RAILWAY ACCESSORIES

DESIGNATION EXCHANGED THE CONTRACTOR OF THE CONT

RAILWAY ACCESSORIES

No. 9 Station Name-boards.

Price 3/3

Notice Boards.

No. 8

Price 3/-

RAILWAY ACCESSORIES No. 1 Miniature Luggage and Truck. Price per set 2/6



RAILWAY ACCESSORIES No. 3 Platform Machines, etc. Price per set 2/6



RAILWAY ACCESSORIES No. 5 Gradient Posts and Mile Posts.



RAILWAY ACCESSORIES No. 7 Watchman's Hut, Brazier, Shovel and Poker. Price 2/-

SHUNTER'S POLE Price 4d.

Price 3/-



SIGNAL CABIN No. 1 Finished in colours. Price 4/9



SIGNAL CABIN No. 2 Dimensions: Height 61 in., width 3½ in., length 6½ in. Finished in colours. Roof and back open to allow Control Lever Frame to be fitted inside cabin if desired. Price 7/9



SIGNAL GANTRY This realistic model is richly finished in colours. The signalling mechanism operates perfectly. Price 15/-

# HORNBY ACCESSORIES =



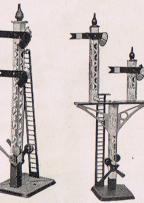
SIGNAL No. 1 Price per pair 5/-One "Home." One "Home." One "Distant."



SIGNAL No. 2
"Home" or
"Distant." Price each 3/9

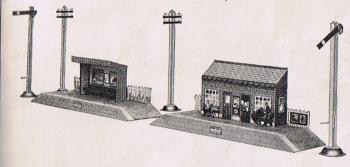


SIGNALS, DOUBLE ARM No. 1 Price per pair 6/6

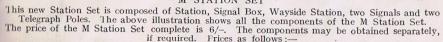


DOUBLE ARM No. 2 Price 4/9 each





M STATION SET



M Station	 	Price	2/3	M Signal	 	Price 6d.
M Signal Box	 	,,	9d.	M Telegraph Pole	 	" 6d.
M Wayside Station	 	,,	1/9			

Every Hornby Railway enthusiast should join the Hornby Railway Company.



Articles of interest to owners of Hornby Trains appear regularly in the "Meccano Magazine."

STATION No. 1

Longth 164 in., width 6 in., height 6 in. This Station is a well-made model, richly finished in bright colours. By placing one or more of these Stations at intervals along the track, and using the Railway litation No. 2 as the main terminus, a very realistic effect is given to a miniature railway layout. Price 11/-

## HORNBY ACCESSORIES



STATION No. 2

Excellent model, beautifully designed. Built up with three detachable sections. Length 2 ft. 9 in., breadth 6 in., height 7 in.

Price 20/-



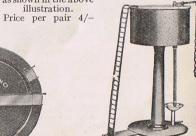
TARPAULIN SHEET
Strongly made. Lettered
L.M.S., G.W., N.E. or
S.R. The above illustration shows one of the
Tarpaulin Sheets fitted to
a Hornby Wagon.
Price 5d.



TELEGRAPH POLES Price per pair



TUNNEL ENDS
With these accessories tunnels of varying lengths can be
made with cardboard or other suitable material. Meccano parts may be
used in the construction of the tunnel to
give greater rigidity,
as shown in the above
illustration.

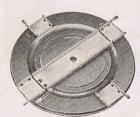


TUNNEL

Realistic and finished

in colours. Price 12/-

WATER TANK
Brightly coloured. Fitted
with flexible tube and
valve lever. Price 13/-



TURNTABLE No. 1 Price 4/3



TURNTABLE No. 2 Price 7/3

TURNTABLE No. 2 ELECTRICAL Similar in design to Turntable No. 2 but with centre rails in position. Price 12/6



VIADUCT ... ... ... ... Price 10/6 VIADUCT, ELECTRICAL ... ... ... ,, 11/6



VIADUCT, Centre Portion only.
VIADUCT, Price 7/3
Centre Portion only.
Price 7/9

## HORNBY RAIL FORMATIONS

THERE is practically no limit to the number of interesting combinations to which Hornby Rails, Points and Crossings lend themselves. Every miniature railway enthusiast knows how a carefully planned track adds realism to the game and how greatly it enhances the fun to be obtained. Below we illustrate six rail layouts which will give an idea of the combinations that are possible. These and many others are illustrated in a new booklet that has just been published entitled "How to plan your Hornby Railway." A copy of this booklet may be obtained from your dealer, price 3d., or from Models Ltd., Kingston Street, Auckland (P.O. Box 129), price 4d. post free.

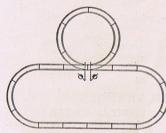


Fig. 5.

1-ft. Radius (as illustrated): 10 Curves, 6 Straights, R.H. Points, L.H. Points. 2-ft. Radius: 22 Curves, 14 Straights, R.H.

Points, L.H. Points.

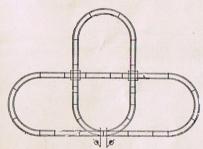


Fig. 18.

1-ft. Radius (as illustrated): 9 Curves, 2 ½-Curves, 7 Straights, 5 ½-Straights, 2 ½-Straights, 2 Right-angle Crossings, R.H. Points, L.H. Points.

Points, L.H. Points.

2-ft. Radius: 22 Curves, 18 Straights, 2
Right-angle Crossings, R.H. Points, L.H.
Points

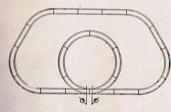


Fig. 8.

1-ft. Radius (as illustrated): 10 Curves, 7 Straights, R.H. Points, L.H. Points. 2-ft. Radius: 22 Curves, 16 Straights, R.H. Points, L.H. Points.

Fig. 14

1-ft. Radius (as illustrated): 18 Curves, 4 Straights, 4 ½-Straights, 4 ½-Straights, 4 Acute-angle Crossings.

2-ft. Radius: 36 Curves, 20 Straights, 4 Acute-angle Crossings.

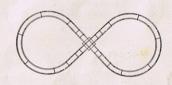


Fig. 3.

1-ft. Radius (as illustrated): 8 Curves, 2 ½-Curves, 4 ½-Straights, 4 ½-Straights, Right-angle Crossings.

2-ft. Radius: 18 Curves, 8 Straights, Rightangle Crossing.

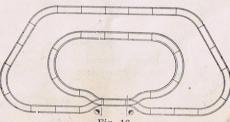
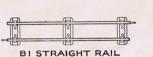


Fig. 16.

1-ft. Radius (as illustrated): 12 Curves, 17 Straights, R.H. Parallel Points, L.H. Parallel Points.

2-ft. Radius: 24 Curves, 22 Straights, R.H. Parallel Points, L.H. Parallel Points.

## FRAILS POINTS & CROSSINGS

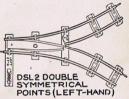












#### POINTS (RIGHT-HAND) CROSSOVER POINTS RAILS FOR CLOCKWORK AND STEAM TRAINS, GAUGE O, 14"

#### **CURVED RAILS**

	40	(9-in. Radius, for M	O T	raine)	
	M9 MB9	Curved rails			5/- 61.
		(1-ft. Radiu	s)		
- 1	41	Curved rails		per doz.	7/-
	A11/2	Curved half rails		* ,,	5/6
	411	Curved quarter rails		,,	4/6
1	AB1	Curved brake rails		each	9d.

7114	Curved quarter rans		"	4/0
AB1	Curved brake rails		each	9d.
	(2-ft. Radius	s)		
A2	Curved rails		per doz.	7/-
A21	Curved half rails		,,	5/6
A21	Curved quarter rails		,,	4/6
AB2	Curved brake rails		each	9d.
DC2	Curved rails, double	track	$\frac{1}{2}$ doz.	11/6

#### CROSSINGS

CA1	Acute-angle crossings (for 1-ft. radius tracks)	each	3/3
CA2	Acute-angle crossings		
	(for 2-ft. radius tracks)	,,	2/9
CR1	Right-angle crossings		
	(for 1-ft. radius tracks)	,,	3/3
CR2	Right-angle crossings		
	(for 2-ft. radius tracks)	,,	2/9

#### PARALLEL POINTS

PPR2 PPL2	Parallel points, right Parallel points, left	per pair	9/-
RCP	Rail connecting plates	½ doz.	6d.

#### STRAIGHT RAILS

BM	Straight rails (for M0	Trains)	doz.	4/6
B1	Straight rails		,,	6/-
$B_{\frac{1}{2}}$	Straight half rails		,,	4/6
Bł	Straight quarter rails		"	3/6
BB1	Straight brake rails		each	8d.
BBR	Straight brake and re		,,	2/9
DS1	Straight rails, double	track 1/2	doz.	9/6

#### POINTS

For	9-in.	Radio	is Cur	ves
	(For	MO Tr	aine)	

	(FOI MU ITAINS)		
MR9 ML9	Right-hand points }	per pair	5/-

	For 1-ft.	Radius	Curves	
PR1	Right-hand	points	per pair	6

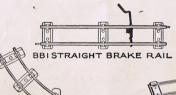
PL1	Left-hand points } per pair to	0/6
	For 2-ft. Radius Curves	

PR2	Right-hand points \ normain 6	2 /6
PL2	Left-hand points per pair 6	0/6
PSR2	Points on solid base, with	
	ground disc and lamp.	

PSL2 Points on solid base, with ground disc and lamp, and adapted for Hornby control, left hand	12/6
---	------

### CROSSOVER POINTS

COR2 Crossover points, right hand \ per pair COL2 Crossover points, left hand \} 19/-



PRI POINTS

(RIGHT-HAND)



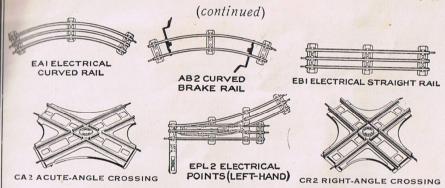
AI CURVED



DC2 CURVED RAILS DOUBLE TRACK

PL2 POINTS (LEFT-HAND)

# RAILS POINTS & CROSSINGS



### RAILS FOR CLOCKWORK AND STEAM TRAINS, GAUGE 0, $1\frac{1}{4}$ " (continued)

#### DOUBLE SYMMETRICAL POINTS

	r 2-ft. Radius Curves
DSL1 Double symmetrical Pos Part of DSL2 Do	ints, right per pair 9/- ints, left per pair 9/-

#### RAILS FOR ELECTRIC TRAINS, GAUGE 0, $1\frac{1}{4}$ " STRAIGHT RAILS

#### Straight rails ... Straight half rails ... per doz. 8/6 EBi Straight quarter rails ", EDS1 Straight rails, double track

... 1 doz. 13/-POINTS

For 2-ft. Radius Curves EPR2 Right-hand points per pair 11/-

LILL	Lett-hand points	r r	/
	CROSSINGS		
ECA ECR	Acute-angle crossings	each	5/6
ECK	Right-angle crossings	,,	5/6

DOUBLE SYMMETRICAL POINTS For 2-ft. Radius Curve

- or - reading C		
EDSR2 Double symmetrical points, right		
EDSL2 Double symmetrical	per pair	12/

CURVED RAILS (1-ft. Radius)

EA1 EA1½ EA1¼	Curved rails per doz. Curved half rails , Curved quarter rails ,	9/6 6/6 5/6
EA2	(2-ft. Radius) Curved rails per doz.	9/6
EA21 EA21	Curved half rails "	6/6 5/6
EDC2	Curved rails, double track ½ doz.	14/-

#### PARALLEL POINTS

TARALLEL PUINTS
EPPR2 Parallel points, right per pair 12/6
TCPL Terminal Connecting Plates
(low voltage) each 2/3
Electrical Points for 1-ft. radius curves are
not supplied.



EAI2 ELECTRICAL CURVED HALF RAIL



EPPR 2 ELECTRICAL PARALLEL POINTS (RIGHT-HAND)



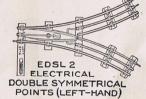
ECA ELECTRICAL ACUTE-ANGLE CROSSING



EAI4 ELECTRICAL CURVED QUARTER RAIL



STRAIGHT HALF RAIL



# HORNBY-RAILWAY COMPANY

## FOR OWNERS OF HORNBY TRAINS

The Hornby Railway Company is a world-wide organisation formed for the sole purpose of enabling all Hornby Railway owners to obtain one hundred per cent. fun from their hobby. Hundreds of thousands of boys own Hornby Trains and take great pride in the possession of them but, unfortunately, a large number of these boys do not know how to run a miniature railway system correctly. Membership of the Hornby Railway Company entitles a boy to the great privilege of expert advice, entirely free, on all the problems that arise in connection with his own railway. Any owner of a Hornby Train Set, no matter what its size, may become a member. All he has to do for a share of fun and pleasure is to fill in the official application form, have his signature witnessed, and send the form to Models Ltd., Kingston Street, Auckland (P.O. Box 129), with 10d. in stamps in payment for the official badge, which he will wear in his buttonhole. This badge, illustrated below, is beautifully finished in blue and green enamel, and by means of it all members recognise each other when they meet. Their badges indicate at once that they have something in common—an interest in railways—and we are certain that, after a hearty handshake, conversation will never flag between any "HORNBY RAILWAY COMPANY" members who may meet in this manner. The Hornby Railway Company is divided into two sections-Senior, for members aged 12 and upwards, and Junior, for members under 12. A special booklet dealing in an attractive manner with the details of model railway working has been prepared for each of these sections, and the appropriate booklet will be sent post free to every member at the time of his enrolment. These booklets may also be obtained by nonmembers for 2d. each, post free.



THE

# MECCANO MAGAZINE

The
"Meccano
Magazine" contains
splendid articles on such
interesting subjects as Famous
Engineers and Inventors, Electricity, Bridges, Cranes, Railways,
Wonderful Machinery, Aeronautics,
Latest Patents, Nature Study, Stamps,
Photography and Books. New
Meccano models and new parts are
announced from time to time; interesting
competitions are arranged for Meccano boys,
and there are special articles for owners of
Hornby Trains.

The "Meccano Magazine" is published in England on the 1st of each month, and has a circulation of over 70,000 copies each month. It may be ordered from your Meccano dealer or newsagent, price 6d. If desired, it will be mailed direct by Meccano Ltd., Old Swan, Liverpool, England (post free) for six months 4/- or twelve months 8/-. Send 6d. for a specimen copy, post free.

The World's Best Magazine for Boys PRICE 6d.

Monthly







**ECCANO**MAGAZINE



