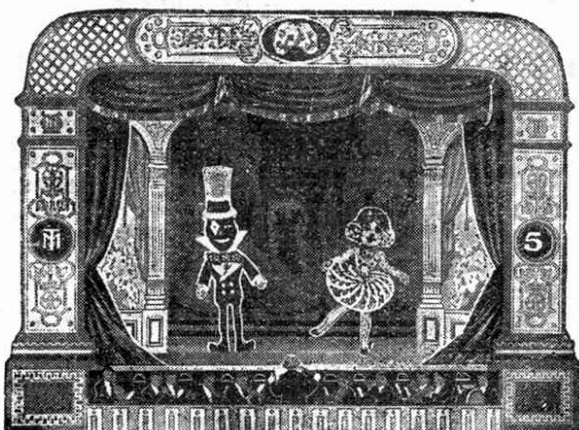


No. 11

## Empire Theatre of Varieties

This is a beautiful and entertaining toy, with all the romance and glamour of the stage. The pleasure to be derived from the performance, given by the eight Artistes, is extreme. The show is a tremendous success at a Children's Party, and a supply of Programmes can be given round by the "Ushers." All the Stars are billed on Special Posters.

Price ... 6/- complete, Post free.



No. 14.

Nursery Playmates.

These Twin Dollies are extremely pretty and will please all little folk. You can dress them in the latest fashion, and according to the weather.

They can be at the Seaside or at a Tea Party.

Price 1/9 complete,  
Post free.



No. 12. Unique Primer.

This toy will keep the children happy for hours, and, at the same time, teach them how to form words. Strongly made. Will last a lifetime.

Price 1/6 complete, Post free

Send for Full List of 21 Entertaining Toys

from

## MATHEWS' MODEL TOY FACTORY,

Short Street, LEICESTER.

## Meccano Boys Keep Fit!!



Just a short time with the gloves each day will keep you in the best of condition for working out new Meccano models.

## BOXING GLOVES SET OF FOUR

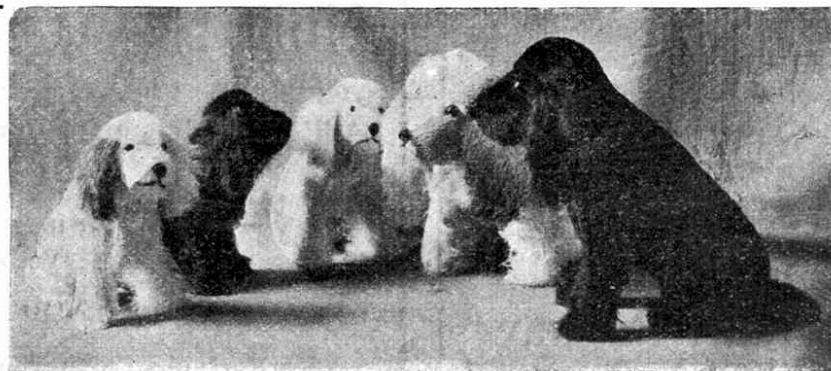
YOUTHS' SIZES

6/9	9/6	10/9 Pair
Twill Backs	Tan Leather	Tan Leather
Leather	Elastic	Laced
Palms.	Wrist.	Palms.

Postage and packing 6d. extra.

## Odd & Sons,

55, North End, CROYDON,  
111, High Street, SUTTON, Surrey.



ASK FOR  
**"JUNGLE"  
TOYS**

BEAUTIFUL AND LIFE-LIKE MODELS.

Of all Leading Stores.  
EVERY TOY MARKED

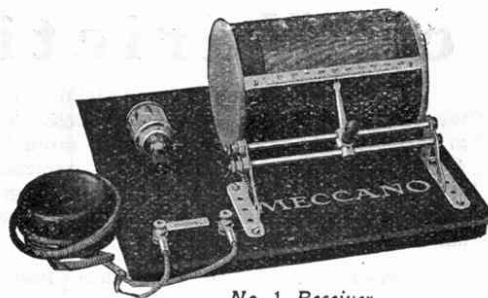


# Listen with a Meccano Receiver

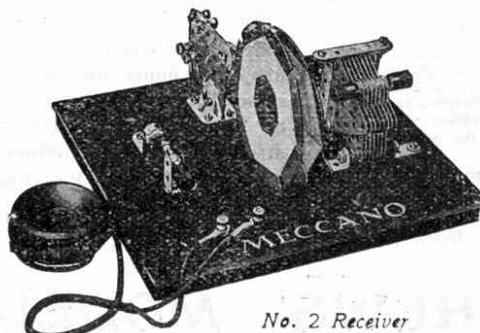
## No. 1 Meccano Crystal Receiver

With a good aerial this set will receive telephony up to about 25 miles from a broadcasting station, and Morse signals up to a distance exceeding 100 miles. The set, which may be used with a broadcasting licence obtainable from any Post Office at a cost of 10/-, will receive on wave-lengths from zero to approximately 1,000 metres.

R.S. 1—Receiving Set complete, tested and guaranteed, price ... 29/-  
Compulsory Broadcasting Fee ... 1/-  
Price 30/-



No. 1 Receiver



No. 2 Receiver

## No. 2 Meccano Crystal Receiver

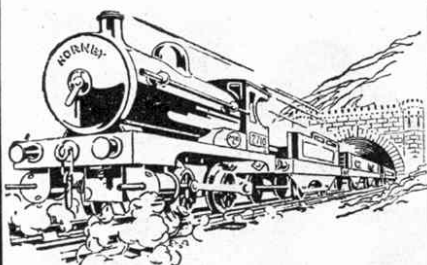
This set is of the constructional type and is specially adapted to the requirements of those who wish to carry out simple experiments. Its range is the same as that of No. 1 set described above, and it receives on wave-lengths of approximately 300-500 metres. It may only be used with a constructor's licence, which costs 15/-, and is obtainable from any Post Office.

R.S. 2—Complete Set of Parts, in strong carton, including single telephone 2,000 ohms resistance, price ... 25/-  
R.S. 2a—Complete Set of Parts, in strong carton, without telephone, price 15/-

MECCANO LIMITED

BINNS ROAD

LIVERPOOL



To

## Model Railway Enthusiasts

Hornby Trains and  
Railway Accessories.

Meccano Outfits and Parts.

Agent for  
L.M.C. and Bassett Lowke Model Railways,  
Hobbies Freework Outfits.

Over 60 feet of laid track for  
demonstrations.

Send Post Card for Catalogue.

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Upper Norwood,

Tel.: SYDENHAM 2482 LONDON, S.E.

## Hullo!!! C.Q., Will Day Calling

you to inspect his great selection of Up-to-date WIRELESS APPARATUS, suitable for XMAS and NEW YEAR GIFTS.

Complete Set of Parts ready for assembling to make  
a Crystal Receiving Set,  
in Box, Postage Paid **16/6** Set.

The WADE LATHE forms an Ideal Gift, £2 10 0

Variable Condensers. Special Features.

1 hole fixing to Panel, Tags for Connections, Adjustable Screw at Base. Fixed Vanes adjustable. Heavy Ebonite Ends. .001 8/6 each. .0005 7/- each. .0003 5/9 each. .0002 5/- each. Vernier 4/- each.

Fitted with Ebonite Dial 1/2 each extra.

Packing and Postage 6d. each extra.

Write for our new  
Catalogue. Now ready,  
sent post free. Postage  
and Carriage on all  
goods extra.

When you are tired of wasting both time and money on so-called Wireless Crystals, secure one of the new Super Marvel Crystals

**DAYZITE (Regd.)**

and put an end to all your troubles. Sold only boxed with Silver Cat's Whisker, 2/6 each. Postage 3d. extra.

**WILL DAY LTD.,**

19, LISLE STREET, LEICESTER SQUARE, LONDON, W.C. 2.

'Phone: Regent 4577.

Telegrams: "Titles, Westrand, London."



# POLAR BLOK

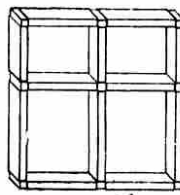
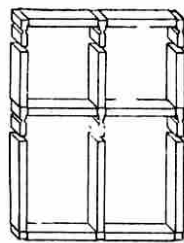
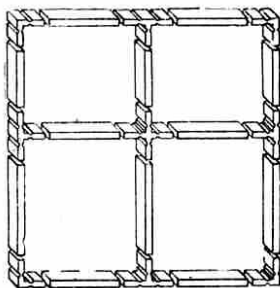
## THE MOST SIMPLE SYSTEM OF WIRELESS SET CONSTRUCTION



A COMPLETELY ASSEMBLED  
POLAR BLOK CRYSTAL SET  
IN A POLISHED WOOD CASE



THE SAME SET  
ON LEG SUPPORTS



SHOWING HOW FRAMEWORK IS BUILT UP FROM  
STEEL TUBES AND CONNECTING PIECES

**P**OLAR BLOK enables you to build a wireless set to any circuit or design, and to change or extend it without waste or great cost, always preserving the finished appearance of first-class workmanship.

You begin with a simple framework built up in sections, from hollow steel tubes of standardized pattern. You fit these together by interlocking with die-cast alloy connecting-pieces easily snapped together by hand, without any tools whatsoever.

Your frame can be made to any standard size according to the kind of set you start with—and this size can be *extended at will* to allow for additional circuits and general enlargement or experiment.

Polar Blok components can be purchased mounted on standard panels, or alternatively the panels may be purchased separately, thus allowing you to mount components already in your possession.

Where appearance is not a necessary factor the set may be mounted on special metal legs as shewn—otherwise a polished wood case, also built in sections and secured by special clamps, completes a handsome and thoroughly efficient receiving set which anybody can build with the aid of the Polar Blok leaflets and booklet.

No soldered connections are necessary in wiring up the set. A small screwdriver and a pair of side cutting pliers are the only tools required. If you are at all interested in Wireless you cannot afford to miss this opportunity of knowing all about Polar Blok. See your nearest Polar Stockist or send us the coupon for full particulars

To Radio Communication Co. Ltd.,  
34/35, Norfolk Street,  
Strand, W.C.2.

I enclose 5d.

Please send me the Polar Blok Booklet and your leaflets shewing various circuits from which I can construct a Polar Blok set.

Name .....

Address .....



# STAMPS FOR SALE

(See also pages 211 and 212)

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**10,000 DIFFERENT ON APPROVAL** at 1/4d. each. Also selections for advanced and medium collectors at 1/2 to 1/3 catalogue. Hale, 52, Kentish Town Road, London, N.W.

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STRAITS SETTLEMENTS, Script, 3c. green ... 1 1/4d.  
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Including Used and Unused British and French Colonials, also Newfoundland Caribou's, Kenya Colony, Canada, East Africa and Uganda, "China" on Hong Kong, and 4, 5, 10, 20, 30, 50 Million Marks of Germany, making a fine all-round collection.

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This Grand Packet containing Set of Unused Austrian, Set of Unused Leichenstein and single stamps of Bulgaria (Palace), Venezuela, etc., sent FREE to all genuine applicants for my Bargain Approvals. Just send a Postcard (abroad 6d.). N. M. Paterson, 19, Dorset Ave., Rusholme, Manchester.

## DON'T MISS THIS! HALF PRICE!

Special Xmas Packet contains 50 different including Zanzibar (Sultan), Guatemala (view of Cathedral), Dominican Republic (Arms), Indore Native State, Mauritius, Panama Rep., set of five Venezuela, etc. Splendid value, post free 1/- or 6d. only if you ask to see approvals. C. F. Hencher, "Ruxley," Farncombe, Surrey.

## STAMPS FREE.

UNITED STATES unused PRESIDENT HARDING Memorial Stamp sent gratis to Collectors asking to see our world-renowned Approval Selections. Mention Gift N220.

## SPECIAL BARGAIN OFFER:

500 all different, 2/-; 1000, 6/-; 2000, 20/-; Post Free. BRIGHT & SON, 164, Strand, London, W.C.2.

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Set of Six Hayti, 1904 (abroad 3d.) Free to applicants for approval sheets, mentioning "Meccano Magazine." 1,000 well assorted Stamps, price 9d., post free (abroad 1/-).

500 all different, price 2/6, post free (abroad 2/9).

**THE BELLE STAMP CO., FOREST HILL, LONDON, S.E.23.**

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**Special Packets**—100 British Colonials, 100 British Colonials and Foreign, 10/6 each.

These Packets are Special Value.

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50 different BELGIUM (Cat. 5/6). Only 9d. Postage extra. Yet another remarkable bargain! Our previous best long set of this country was 30 diff. at 1/-, so here's a 50 per cent. saving for YOU! Remember we guarantee satisfaction on all our goods, or cash refunded.

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To applicants asking to see my famous Approval Selection.

250 unused stamps, 1/3; 1000 different stamps, 4/3; 2000 different stamps, 15/-.

**FLEMING, Queen's Park, CHESTER.**

**A Monster Bridge**—(cont. from p. 183).

at the top, and will contain 35,000 tons of steel.

Although the towers will be constructed of steel, they will be faced with granite, and will thus appear to be columns of solid masonry. The bridge will be required to carry an immense weight, and therefore every part will be of very massive construction.

**Heavy Anchorages**

In order to counteract the tremendous pull of the cables, which it is calculated will amount to 25,000 tons, gigantic anchorages will be required. They will consist of huge masses of masonry, measuring 400 ft. in breadth at the base and tapering gracefully to the top, 200 ft. above ground level.

On each anchorage it is proposed to erect rectangular buildings, 250 ft. in breadth and 70 ft. in width, with a space of 100 ft. between their inner faces. The ground floor will be 200 ft. and the roof 500 ft. above road level. The accommodation provided by these new buildings will help to replace the property that it will be necessary to demolish to make room for the approaches, and their rents will furnish a source of revenue for the maintenance and repair of the bridge.

**WANTED.** Articles and photographs of general interest, suitable for publication in the "Meccano Magazine." Accepted contributions will be paid for at our usual rates and will be returned if unaccepted, if stamped addressed envelope is enclosed. Although every care will be taken of same, no responsibility can be accepted for lost or mislaid manuscripts. THE EDITOR, "Meccano Magazine," BINNS ROAD, LIVERPOOL.

## MYSTERY STAMP FREE

All genuine applicants sending a postcard asking to see approvals will receive the following absolutely free and post paid.

**ONE STAMP** catalogued 7s. 6d.  
Set 13 old German „ 6s. 0d.  
Set 13 Ukraine Pictorials „ 1s. 9d.  
**SCARCE TEMESVAR** „ 9d.

Total catalogue value 16s. 0d.

We won't tell you what the 7/6 stamp is, and it will remain a mystery until you get it, but it will be a pleasant surprise.

**Have You got a Temesvar Stamp?**

These were used by the Hungarians when they captured the town from Roumania, and now the Roumanians have got it back. Only a limited number were issued, and we have been able to get a few. This enormous free gift is only to increase our list of Stamp Collectors and we reserve the right to refuse applications we consider unsatisfactory. This advertisement will never be repeated—don't delay—send a p.c. at once. Applications in rotation.

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1,000 Mixed Stamps, 1/- 4,000 for 3/9  
Stamp Mounts, like glass, 1,000 for 5d.  
All different Stamps, 500 for 4/-, 1,000 for 10/-  
1,000 Mixed Unused Stamps for 4/6, 500 for 3/-  
500 Different Unused Stamps from all parts of the World, 10/-

**R. WILKINSON,**  
Stamp Dealer,  
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Magnificent Pictures  
Printed in 11 Colours.  
Size of each 20×12 ins.

Full Particulars of Dimensions.

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- ready for framing. -

Complete set of 4 plates,  
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Send twopence in stamps for postage and ask  
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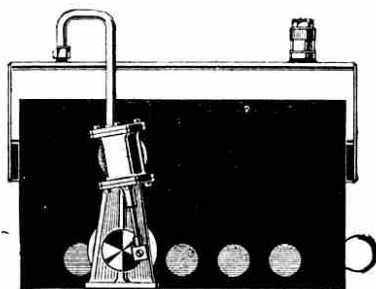
Address: M.M. Dept.

THE

Railway Publishing Co. Ltd.

33, Tothill Street,

Westminster - LONDON, S.W. 1



THE

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with double-acting cylinder, 7/16 x 7/16 in.

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can build yourself with the aid  
of a screwdriver. It is perfectly  
safe and guaranteed to work.

ENGINE PARTS, 5/-  
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for our complete 72 pp. catalogue.

**Stuart Turner Ltd.**  
ENGINEERS,  
HENLEY-ON-THAMES.

## GOAL !!

Do you want an EXCITING GAME  
for all at Christmas?

WE HAVE IT!

## THE THORNTON TABLE GAME

Provides

1. Realistic and Scientific Football
2. Direct Control of the Ball
3. All the Thrills of a Cup Tie

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(500 Games only)

Carr. **15/-** Paid

This Advertisement must accompany Order.

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Letters to Advertisement Manager, "Meccano Magazine,"  
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pages of useful text, tables and data simply and clearly  
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Because a wise sportsman read  
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Splendid Smooth Writing Pens.

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Complete with filler, packed in strong box,  
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Marked on box 10/6 Our price 1/9

Post Free any address.

W.R., Box 21, c/o MECCANO MAGAZINE,  
Binns Road, Liverpool.

## Stamps for Sale

(see also pages 210 and 211).

### Fine Postage Stamps! Low Prices!!

Splendid Sets—8 Malta, 5d.; 6 China, 1d.; 6 Cyprus, 4d.; 6 Gibraltar, 4d.; 12 Philippines, 8d.; 12 Portugal, 4d.; 12 Persia, 6d.; 20 Siam, 9d.; 12 Sweden, 6d.; 12 Denmark, 4d.; 12 Roumania, 4d.; etc., etc. Postage Free. Ask to see my new books of 1d. stamps, 2/6 per 100; or a superior class at 1d. each, 6/- per 100. Address:

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Your difficulties will be solved if you choose some of our marvellous Sixpenny Packets for yourself or give them to your friends.

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Any one of the above free if you enclose postage and ask to see Approval Sheets.

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### "YULETIDE PACKET"

Containing 1,000 different Stamps, includes 125 French Colonials 50 mint, 125 French Colonials 50 Mint. British Colonials. Pictorials. Airpost, etc. Marvellous value.

Price 10/6 post free.

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100 Austria ... 1/-	40 Argentina ... 1/-
100 Germany ... 1/-	500 Postage ... 5/-
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Fine selection of Postage or Revenue ready.

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The "Bazaar" says: "An opportunity not to be missed."

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To Applicants for Approvals  
Or any one of the following Gifts if you prefer it:  
15 Pictorial Odenburg. Surprise Pkt. of 100 Diff.  
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Xmas Pkts., 1,000 Different (Cat. over £5), 7/- each.  
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**ALBAN SIMMONS, HILLSIDE, NEW BARNET**

**100 All Different Stamps**  
Many unused. Send postcard only.  
**Free LISBURN & TOWNSEND,**  
201a, London Road, LIVERPOOL.

6 German Air Post, 1-25 m.	...	...	...	4d.
8 German 100-800,000 m.	...	...	...	9d.
6 Crete, 1905	...	...	...	6d.
5 Venezuela, 1904, 5c.-3b.	...	...	...	4½d.
7 Poland (Paderewski)	...	...	...	6d.
4 Union of S. Africa, 1d.-2d.	...	...	...	8d.
All Unused.	...	...	...	...
50 All Different (Used and Unused)	...	...	...	6d.

Free Gift (M) to Approval Applicants.

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The above GENUINELY FLOWN AIRMAIL envelope on which are Danzig stamps (all different), to the face value of 11,000,000 Marks FREE to Genuine applicants enclosing postage for an approval selection of my bargain sets. Price with approvals 1/-. This unique offer is available for 1 month only to residents in the United Kingdom.

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Let the Child make his own Printing Blocks, and print coloured pictures of his own design, with the "Endsleigh" Outfit, 3/11. (Post Free 4/3).

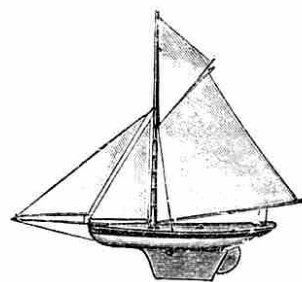
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### CHRISTMAS BARGAINS

Bumble Crystal Receiving Sets, guaranteed for 30 miles, 7/- each. Not a toy, but a complete set. Complete set of finished parts, 6/-. Variometers with knob, 4/6. Contact Studs, 1" x ½", per doz., 6d. Filament Resistances with knob and engraved dial, 2/10.

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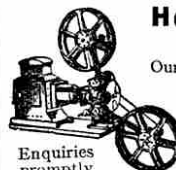
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Our New Season's Illustrated Catalogue  
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**JUST LIKE THE REAL THING.**  
A Chum and a Table  
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Order your Team to-day and start a League among  
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Post Paid. Postage abroad 1/- extra.  
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5/-

Every "Meccano" reader who is interested in Electricity or who one day wants to be an Electrical Engineer should get one of these wonderful Dynamos and learn how Electricity is made. They are easy to work. Will



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**Oxford Street, London.**

5/-

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You will receive by return a splendid British  
14-ct. Gold Nibbed Fleet Fountain Pen value 10/6  
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Gramophone with a giant  
metal horn, extra loud sound-  
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# TRIANGTOIS

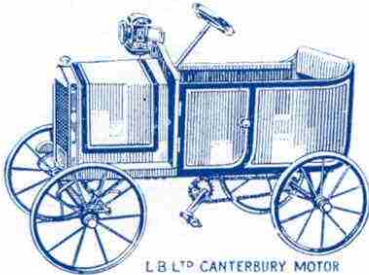
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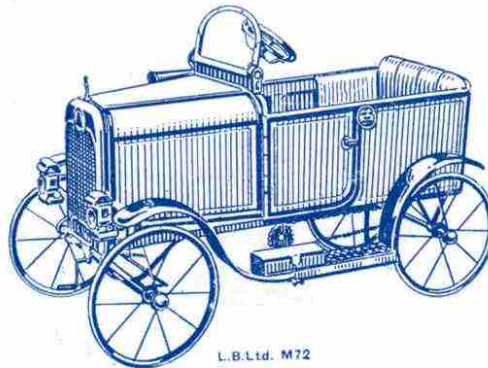
ASK FOR THEM AT YOUR TOYSHOP



L.B.LTD. CANTERBURY MOTOR

### CANTERBURY MOTOR

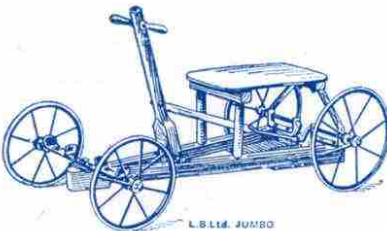
For children 3-8 years, with pedalling gear, upholstered seat, side door to open, Rolls Royce pattern radiator and lamp 65/3



L.B.Ltd. M72

### HUSTLER MOTOR

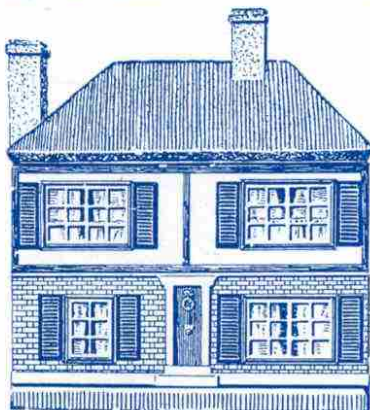
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L.B.Ltd. JUMBO

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Comfortable, safe and strongly made. Handle-propelled. 35 in. long. For boys and girls ... 23/3



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Four rooms, hall, staircase, fireplaces, rough cast half timbered and red brick exterior, curtains, sun shutters, brass knocker and letter plate. 27 in. wide, 31 in. high, 16½ in. deep. 60/-



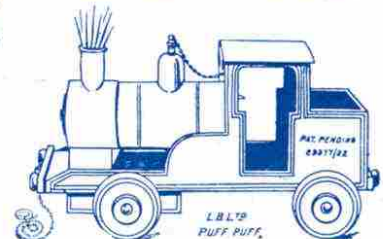
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Built like a bike—but safer. Adjustable saddle and bars, mudguards, free wheel, brake, ball bearing rubber pedals, 12 in. wheels with ½ in. wired-on tyres. Look for the triangle trade mark on the frame. 59/6. Or with Pneumatic Tyres and Ball-Bearing Tangent Spoke Wheels, 89/6. None genuine without the Fairycycle Trade Mark.



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Look for the famous Triangle Trade Mark on all good Toys.

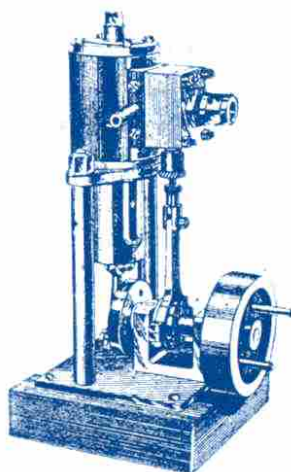
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Above finished Nickel-plated, 7/6 extra.

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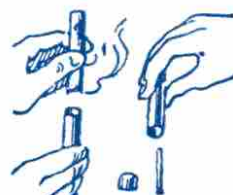
One won't light; another falls to pieces; a third won't move; snake jumps out of the fourth. Excellent value. 1/6  
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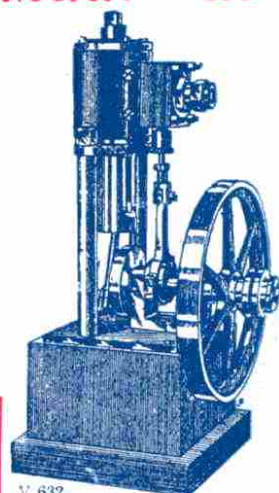
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V 632.

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No. 4. 1 in. bore, 1 in. stroke ... 36/-  
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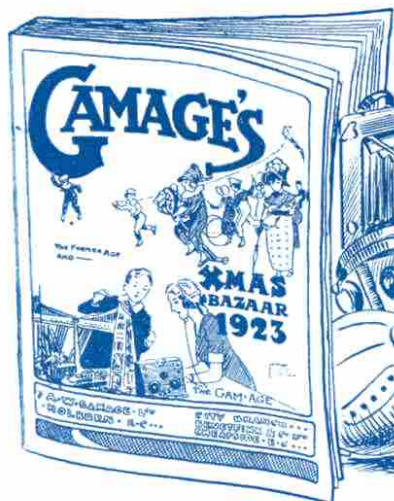
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