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Don't Go Too Far!

In planning a tour care should be taken not to arrange too long a tour in a limited time. If you feel you are riding against time, you lose more than half the pleasure and return fagged out. The "mile average" should be adjusted so as to give sufficient time to enjoy the surrounding scenery, to visit places of interest, and to partake of refreshments in comfort. If it is intended to tour in a hilly district, such as North Wales or Derbyshire, the mile average must, of course, be lower than in the case of a flat district. Don't make it the main object of the tour to pile-up the mileage but arrange so that, if you come to a fine stretch of moorland you can, if you wish, lie in the heather and have an hour's sleep!

Be sure to arrange to have one or two companions. The interest of the ride is very greatly increased by companionship, and toiling up long hills is not half so wearisome as it would be alone and if by any chance you get into difficulties of any kind a friend at hand is invaluable. It is probably more satisfactory to have only one companion on a tour, or two at the most. All kinds of complications arise if there are four or five members of the party and accommodation is more difficult to obtain for a large party.

It is advisable to make a note of the nearest railway stations along the route, in case of accidents, or if the weather should suddenly turn very bad. In such circumstances the knowledge that a railway station is not far distant will relieve a good deal of anxiety, both for yourself and for your parents! A railway guide is helpful, too, and should always be included in the small supply of personal luggage.

A Camping-Out Tour

Now, the kind of tour you can plan depends largely on how much money you have to spend. For instance, if you have been able to "save up," or if you have had a "special allowance" promised to you for the purpose of the tour, you can plan your tour to enable you to enjoy the luxury—on tour—of sleeping between sheets each night, if you wish to do so.

On the other hand, if funds are low, you will of necessity have to plan a camping-out tour.

Either tour can be made very enjoyable, especially the camping-out tour—which is very good fun if only the weather is kind—or you can, of course, plan a tour that is a combination of the two. So you see, a cycling tour can provide you with a great deal of adventure, and the very fact that you don't know where or how you will sleep each night, adds a spice of romance to your trip.

For the first kind of tour you can obtain a list of hotels, or of accommodation, in the towns you propose to visit, from the Cyclists' Touring Association, the Automobile Association, or from the Michelin Guide, and with pencil and paper you can not only compile a suitable list but you can also reckon up, to within a few shillings, what the accommodation will cost you.

For the camping-out tour all you require is a mackintosh-sheet to lie on, and some form of waterproof covering to form a sleeping tent. Even these are not necessary if you decide to take your chance and sleep in barns—for which you can generally get permission from some kind farmer. Straw makes fine bedding—warm and comfortable—and the barn provides the overhead shelter. Specially light waterproof, suitable for tents, may be obtained at any of the large London stores—the whole thing weighs only a pound or two, and is fixed up over a long stick resting at each end on a couple of crossed sticks. These handy tents are not intended to give protection against rain, of course, but simply serve to protect the sleeper from the heavy dews.

Preparing the Cycle

In regard to food—you can buy this ready to eat in the towns and villages en route or, if you prefer, you can cook your own by the camp fire. The latter method is the more fun, of course, but don't carry too many kettles and frying-pans—you will find they get heavier every mile!

Before starting on a tour your cycle should, of course, be thoroughly examined, oiled, and overhauled to the last detail. This is so obvious a necessity that it seems almost unnecessary to mention it, but taking into consideration the number of cycling breakdowns that occur on tour it appears that these preliminary precautions are by no means always carried out.

In particular the brakes should be carefully examined and adjusted, for in an emergency the life of the rider may depend upon their being in efficient condition. The slightest rattling in any part of the machine should be investigated and the cause remedied, as a rattle—in addition to being a constant annoyance—is often a warning that some more serious trouble is beginning to develop. The free-wheel should be cleaned by rinsing with paraffin, or better still, being taken apart and thoroughly overhauled.

It may be safely assumed that every cyclist, except perhaps a few very absent-minded ones, will remember before a tour to clean and fill their lamps and to fill their oil-cans with good lubricating oil.



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NEXT MONTH:—

TYRE-TREATMENT ON TOUR



The Secretary's Notes

Last month I referred briefly to the fact that during the past year there had been a growing tendency among the larger clubs to form sections devoted to individual subjects. In almost every case where this policy has been adopted the result has been to strengthen the club as a whole and to increase the enthusiasm of individual members very considerably. Although Meccano forms the basis upon which all Meccano clubs are built, yet it was never intended that the activities of clubs should be confined to Meccano. Boys' tastes differ, and whereas one may be perfectly content to spend the whole of his time on club evenings with Meccano, another may have wider interests and wish to divide up his time among a variety of subjects. Several keen Leaders have realised this and have formed their clubs into sections, each dealing mainly with one subject. These sections meet on certain nights but the general club night, on which all sections unite, is not allowed to be interfered with in any way.

Among the clubs that have successfully adopted the section system is the Holy Trinity (Barnsbury) M.C. which, after carrying out experiments last session, has now adopted the following sections:— Model Railway Building, Engineering, Fretwork, Radio, and Motor and Dynamo Construction. Each section has its own particular sub-leader who helps and instructs all new members, and many of the articles made in the various sections are sold and the profits devoted to buying material for further work or to helping to meet club expenses. The Rolleston (Burton-on-Trent) M.C. has adopted rather a different plan which, however, has worked very well. The club has been formed into senior and junior sections. The senior section, of course, takes matters more seriously, lectures being particularly popular. The juniors have the option of being present at these lectures, but if they are not interested in the subject or if they are getting tired they are perfectly at liberty to retire and build models or play games as they think fit. This arrangement ensures that each boy shall have the opportunity of availing himself of everything in the club's programme, and yet at the same time effectually prevents any member losing enthusiasm by being compelled to attend lectures, etc., in which he is not interested.

Sectional Work in Clubs

The Redruth M.C. was started in January 1924 and became affiliated with the Guild in February of the same year. Recently the club was divided into two sections called respectively "The Nuts" and "The Bolts," and the Leader goes under the appropriate name of "The Spanner." In addition the club has a Library, Savings Bank, Museum, Sports Team and an Ambulance Class, the last-named having recently been absorbed into the local Cadet Corps of the Ambulance Brigade. The club also publishes an interesting monthly paper called "The Popular Magazine," which has a good circulation. Steady progress has always been maintained by the club under the excellent Leadership of Mr. A. Williams, who is keenly interested in the boys and their hobbies.

Redruth Meccano Club



The secretary, L. Trenberth, is also a most enthusiastic worker and has recruited many members to the Club, the total membership of which now stands at 40.

The majority of Meccano Clubs take every opportunity of paying visits to places in which their members are interested—gas or electricity works, engineering shops, factories, docks, etc.—but the number of such visits is generally strictly limited by financial considerations. It is obvious that the expenses of these outings cannot be met by club funds, for although the cost per individual member is small, the total amount in the case of a fairly large club is very considerable. On the other hand individual members often find that, when the time comes to make some pre-arranged visit, they cannot go because they are unable to pay their share of the expenses. In order to overcome this difficulty several clubs have adopted a very excellent scheme. A savings bank is opened purely for the purpose of accumulating funds for such visits. Each member pays in at regular intervals a small sum—it may be only a copper or two—and this money, gradually increasing, soon becomes sufficient to meet the expenses of the various visits decided upon. When the time for a particular visit arrives, each member is able, if he so wishes, to draw from the bank sufficient money to pay his share of the cost of the outing, and in this manner quite a number of visits may be carried out without any difficulty on the ground of cost. I strongly recommend all club Leaders to consider seriously the adoption of a savings bank scheme of this kind as by so doing they will greatly increase the scope of the club's activities. If desired, of course, the savings bank may be used to accumulate funds for other purposes, but in every case it will be found that the money thus saved is a great source of strength to the Club.

Funds for Club Outings

I have received recently a number of inquiries regarding the allotment of Special Merit Medallions, and as it is very desirable that there should be no uncertainty on this point I wish to make the facts quite clear. Two Special Merit Medallions are allotted to each club for each Session. One of these Medallions is awarded to the member who reads the best paper at the club meetings during the Session, and the other to the member who carries out the best all-round work for the club during the Session. Formerly the Medallions were awarded only for the two winter Sessions, but now that the spring and summer Sessions are firmly established, Medallions are awarded for these Sessions also. I should like all club Leaders to encourage their members to compete for the Special Merit Medallions, for not only are they well worth winning, but also the spirit of emulation produced in trying to win them has a remarkably good effect in increasing the vitality of the club as a whole.



The Medallions which are here illustrated, are very beautiful in both design and finish and have been produced specially for us by a well-known firm. On each Medallion will be engraved the name of the recipient. I trust that all Club Leaders will help me to make this valuable part of the Meccano Club work a great success.



CLUB NOTES

Skelmanthorpe Wesleyan M.C.—The attractive programme for the second Session included three addresses on "Sports Ten Years Ago," by a local schoolmaster; "A Recent Trip around the Canary Isles," by Mr. T. Field; and "Curiously-shaped Coins of other Countries" by the President of the Yorkshire Numismatic Society. It is hoped shortly to commence a Gymnasium. An exhibition of Meccano Models and Hornby Trains was held and the money collected divided equally between the Club and the Sunday School. Affiliation was granted in February. Club roll: 18. **Secretary:** A. Field, King Street, Skelmanthorpe, nr. Huddersfield.

St. Mary (Newington Butts) M.C.—The 5th Annual Club Party was well attended by members, who thoroughly enjoyed themselves. At the conclusion an enjoyable Concert was held, and during the interval the Rev. C. R. J. Day, M.A., Vice-President, presented Special Merit Medallions to G. Burton and T. Imms for the best lecture and best all-round work respectively. Twenty prizes were awarded to other members. During the evening ten new members were enrolled. Other club activities include a lantern lecture by the Leader, Mr. Treves, on "London's Underground." Owing to the increased membership it has been necessary to take larger club rooms. Club roll: 134. **Secretary:** Mr. C. Curle, 37, Pullens Flats, Peacock Street, Kensington, London, S.E.11.

Southall M.C.—Are still unfortunately without a club room, but it is hoped to get the club attached to a Section of Scouts who are trying to obtain funds to build their own club house. Should this materialise, a room has been promised to the club. Mr. Carpenter, the Leader, is keeping in touch with all the club members and hopes to arrange rambles and cycling outings during the summer. Club roll: 12. **Leader:** Mr. E. C. Carpenter, 56, Hammond Road East, Southall, Middlesex.

United Schools (Melton Mowbray) M.C.—Mr. C. R. York, the Leader, has resigned, and Mr. Moalds has taken over the Leadership. A concert has been arranged in which six of the members will give a sketch entitled "Honesty." The old club room has been vacated, as a larger and well-furnished room has been procured from the Wesleyan Chapel. Club roll 24. **Secretary:** H. White, 25, Bayswater Road, Melton Mowbray.

Newcastle-on-Tyne M.C.—Became affiliated with the Guild in February. Meetings are held fortnightly and the programme includes Model-building Competitions, Papers by Members, Lectures, and the formation of Stamp Collecting, Fretwork and Cycling sections. A Cricket Team is also being formed. Club roll: 22. **Secretary:** J. Stoddart, 71, Walker Road, Newcastle.

Holy Trinity (Blackburn) M.C.—Members have been busy constructing models for the local Sale of Work, when quite a number of excellent models will be on show. A wireless set is to be fitted up and it is hoped that this will help to raise funds. Club roll: 28. **Secretary:** H. Jepson, 11, Pine Street, Blackburn.

Redruth M.C.—A lecture on "Different Sources of Electricity" has been given by H. Lidley, and P. Duney is to give a talk on "Motors." The club Library contains a number of interesting books which can be borrowed by members. There is also a "Scrap Library" containing about 200 books, papers and magazines, and the subscription rate is a penny per week. Club roll: 40. **Secretary:** L. Trenberth, Tunnel Stores, Redruth.

Great Baddow (Chelmsford) M.C.—Recently a large model of a Crane was built and a lecture given on its several working parts. Other activities include Model-building, Lectures, Games and a talk by the Leader. A Special Merit Medallion has been awarded to C. E. Rawinson for the best paper written during the Session. Club roll: 14. **Secretary:** G. T. Kemp, 5, King Edward Terrace, Beehive Lane, Baddow Road, Chelmsford.

St. Barnabas (Barnetby) M.C.—Have held a successful ball in the school room. An excellent musical programme was arranged and refreshments were provided during the interval. There were 33 persons present, and it is probable that the object of the social, which was to encourage boys to join the club, was achieved. Club roll: 24. **Secretary:** R. H. Ward, Laurel Villas, Victoria Road, Barnetby, Lincs.

Bromley County School M.C.—Are busy building a large Suspension Bridge designed by a member, A. M. Taylor. It is proposed to hold a Bazaar at which a display of Hornby Trains will be the chief feature. Club roll: 10. **Secretary:** H. Seale, 14, Broadway, Bromley, Kent.

South Park M.C.—Members now pay twopence per month to cover club expenses. Owing to the small size of the club room the membership is limited to 35. The programme includes Model-building, Speed Competitions, Lectures, Debates, Hornby Train Night, Games and Tournament, etc. Club roll: 35. **Secretary:** N. Tweddell, 103, Breamore Road, Seven Kings, Essex.

Accrington M.C.—Members recently paid a visit to the Holy Trinity (Blackburn) M.C. when a most enjoyable evening was spent in playing games, after which supper was served. It was arranged for the Holy Trinity Club to return the visit, and a right royal welcome was assured them. A club magazine has been started and a duplicator that has been purchased is working very well. Club roll: 26. **Secretary:** V. Waterhouse, 45, Ramsbottom Street, Accrington.

Meads (Eastbourne) M.C.—A Social Evening was held to which the local Girl Guides were invited, in return for their help at the club's Concert last October. Merry games were played and a local gentleman told some amusing stories. Members exhibited models they had recently made and prizes were awarded for the best, first prize going to L. Cross for his model of a "Flying Boat." Club roll: 19. **Secretary:** F. Laycock, 10, Victoria Place, Eastbourne.

Marsh St. (Walthamstow) M.C.—An interesting paper was read by W. C. Knight on various types of railway locomotives, and other activities include lectures by the Leader, Mr. Gandy, on the "History of the Submarine Cable," etc. It is proposed to hold an Exhibition in conjunction with the Church Bazaar. Became affiliated last month. Club roll: 13. **Secretary:** C. W. Redfern, 34, Church Hill Road, Walthamstow, London, E.17.

Holy Trinity (Barnsbury) M.C.—Good progress has been made during this session and the newly-established sections are working well. Recent activities include Games, Model Railway Layout, Lantern Lecture on Models, and Talks by the Leader and by the Patron, the Rev. S. C. Rees Jones, on the work carried out by the club last year. The club room has just had its "spring clean" and is looking quite smart. Club roll: 29. **Secretary:** S. A. G. Bone, The Rosary, Kent Hill Road, South Benfleet, Essex.

South Africa

Simonstown Meccano and Wireless Club.—At the final meeting of last session Mrs. J. R. Langland, wife of the Municipal Electrical Engineer of Simonstown, presented prizes of Meccano parts to the successful competitors in the Model-building contest. Books were presented to the two successful girl members, who built models of a Crane and a Railway Bridge respectively. Club roll: 23. **Secretary:** Mr. R. G. Randall, c/o Municipal Office, Simonstown, South Africa.

Clubs not yet Affiliated

Louth M.C.—An interesting session has included a Lecture on Electricity, Model-building, Games, Wireless and Physical Drill. It has been decided to arrange the club's programme monthly in order to enable the committee to introduce improvements resulting from the experience of each month. It is hoped to obtain affiliation very soon. Club roll: 11. **Secretary:** H. Bell, 10, Dyas Terrace, Charles Street, Louth.

Christ Church (Stratford, E.15).—Arrangements have been made to visit the South Kensington Museum and other places of interest during the Spring, and a Savings Bank has been introduced to enable each member to save up for these outings. Other activities include Model-building, an Exhibition, Address by the Vicar and papers on "Steam Engines and Electric Light" by R. H. Bently, "Manufacture of Coal Gas" by J. E. Bently, "Our Ships" by H. Hoods and "The Meccano Guild" by A. Minter. Club roll: 15. **Secretary:** Mr. R. H. Bently, 81, Abbey Lane, Stratford, London, E.15.

Edgeley (Stockport) M.C.—Members have been busy preparing for their Exhibition. The club is well organised and in a sound position. Club roll: 14. **Leader:** Mr. G. McLeod, 13, Avondale Road, Stockport.

Lytham (Lancs.) M.C.—Mr. J. Culey has consented to become the Leader and meetings are held every fortnight at his house. Members are looking forward to their club becoming affiliated with the Guild, which, it is hoped, will take place shortly. Club roll: 10. **Secretary:** S. N. Culey, The Cottage, 20, East Beach, Lytham.

Mansfield (Notts.) M.C.—There was a good attendance at the club's Exhibition and Concert, at which several splendid models were displayed. The proceeds amounted to just over 9/- and owing to this success it is intended to hold another display soon. The Leader, Mr. Gash, is forming a Cricket Club and an Ambulance Class. Club roll: 26. **Secretary:** H. R. Wright, 20, Marlborough Terrace, Mansfield, Notts.

The Sunshine Lodge (Canada) M.C.—Lance Clark, Mount Tolmie, B.C., Canada, has succeeded in starting a club and Mr. Hallwright, 916, Tolmie Avenue, Victoria, B.C., has accepted the Leadership. Those interested should communicate with either Mr. Hallwright or Master L. Clark.

Sea Point (South Africa) M.C.—Have held an interesting Model-building Race, divided into senior and junior sections, the winners being G. Boyle and K. Mills respectively. Mr. Barrett, President of the Observatory M.C. was asked to act as President until the annual meeting. **Secretary:** K. Scaife, 2, Arthurs Road Villas, Sea Point, South Africa.

Siena (Italy) M.C.—Meetings are held regularly every fortnight, and great preparations are now going forward for a Model Exhibition to be held shortly. Members are very enthusiastic and hope to obtain affiliation soon. **Secretary:** Valentino Bruchi, 39, Via Ricasoni, Siena, Italy (Tuscany).

Sliema (Malta) M.C.—The Lyceum Troop Scouts have kindly lent a suitable room where many enjoyable evenings are spent. The syllabus includes Lectures, Outings, Visits to Places of Interest, Model-building, Wireless and Papers by Members. Club roll: 21. **Secretary:** E. Bonnici, 25, Prince of Wales Road, Sliema, Malta.

Southport M.C.—At the first official meeting Mr. W. Bowker was elected Leader and E. Williamson secretary, with W. Leontieff and M. Yates on the committee. Mr. Gresswell explained the objects and aims of the Meccano Guild and promised on some future occasion to lecture on the "Meccano Chassis." A club room has been lent by the Southport Boy Scouts and the members are anxiously looking forward to becoming affiliated with the Guild. Club roll: 10. **Secretary:** E. Williamson, 10, Delamere Road, Ainsdale.

Meccano Club Leaders

No. 20. Mr. A. D. Cecil



Mr. A. D. Cecil, Leader of the Westcliff and District Meccano Club, has always shown keen interest in boys and Meccano and has succeeded in making his club a great success. He has been instrumental in establishing a football team that has achieved a great reputation in the district, and the local paper has made a point of reporting every game played. The members of the team have become so enthusiastic that it is their wish to play "all comers" within a distance of five miles.

The club was started in May 1923, and by August of the same year such marked progress had been made that affiliation with the Meccano Guild was granted. Two girls have now joined the club and it is hoped that more will follow so that a girls' section may be started.

Ilfracombe M.C.—Have been fortunate in obtaining a new club room in the Oddfellow's Hall and members are now working with renewed energy. An interesting programme was drawn up, including Model-building, Lectures, Debates and a Mock Trial. The President, Miss Mais, arranged a Social Evening for the members and paid all expenses. Club roll: 26. **Secretary:** W. Webber, 14, Springfield Road, Ilfracombe.

Davenport M.C.—Make a feature of inviting local gentlemen to give lectures. Mr. B. Varly has given a most interesting talk on "Money," and other lectures promised include "Safety First on Railways," by Mr. S. Stoker, and "Bridges, Ancient and Modern." It is proposed to hold a Draughts Competition. Club roll: 35. **Secretary:** A. D. Stoker, 124, Bramhall Lane, Stockport.

Luton M.C.—A programme has been made out to carry the club's activities well into the Summer Session. After each meeting, the Leader, Mr. Burgoyne, gives a short talk on any happening of interest that has occurred during the week. A special "Hobbies Evening" has been arranged, on which any members bring anything of interest they wish, including steam engines, electrical apparatus, etc. Club roll: 26. **Secretary:** L. Goldsmith, 69, Tennyson Road, Luton.

King Edward (Birmingham) M.C.—An interesting Lantern Lecture on India was given by Major Phillips, D.S.O., F.R.G.S., M.A. This lecture was thrown open to the whole school, and Dr. Baker, Head Science Master, showed the slides. Further activities include an address by the Leader, Mr. McMaster, a Mock Trial, and a Model Railway Layout for which several members were expected to bring their own model railway equipment so as to make a good display. Club roll: 16. **Secretary:** F. J. Fowler, 55, Grantham Road, Smethwick, Suth Staffs.

Chalmers Church (Alloa) M.C.—A Lantern Lecture with local views, given by Mr. R. Kinmont, assisted by Mr. J. Fordyce, the Club President, proved a great success. A gratifying response was made by Church members and friends and a useful sum was raised by the small charge for admission. Mr. J. Snaddon has kindly consented to become assistant Leader. Club roll: 64. **Secretary:** W. Henderson, 13, Paton Street, Alloa, Scotland.



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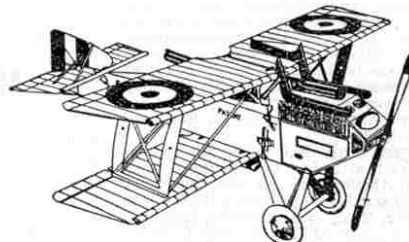
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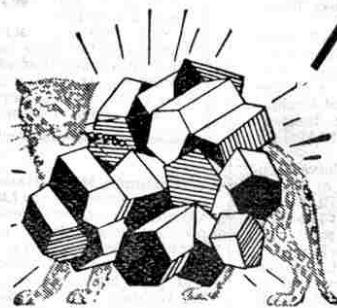
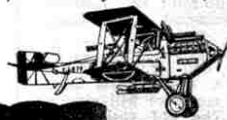
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Essay Competition

This month we are adopting one of the proposals submitted in our "Suggestions" competition—an Essay Contest on the subject: "THE SEVEN MODERN ENGINEERING WONDERS OF THE WORLD." This contest should be of interest to almost every one of our readers, and therefore we hope to have an unusually large number of entries.

Each competitor must select the seven engineering structures or works that appear to him to be the most wonderful of their kind in modern times. Having made his choice, the competitor must then take each of his seven "wonders" in turn and write a brief description of it, at the same time stating why he has made this particular choice. We draw special attention to the last-mentioned point. It is not sufficient merely to describe seven remarkable engineering structures; the reasons for selecting these particular seven must be given.

The competition will be divided into two sections, (A) for those of 16 years and over and (B) for those under 16. Four prizes will be awarded—Meccano goods to the value of £1/1/- and 10/6 for the first and second in each section respectively.

Essays must not exceed 1,000 words in length and must be written legibly on one side of the paper only, with the competitor's name, address and age on the back of each sheet.

After this competition has been decided we intend to publish the names of all the engineering works selected by competitors and then arrange a voting competition to determine the first seven in the opinion of the majority of our readers.

Closing date 30th May (Overseas: 31st August).

Fifth Drawing Competition

Last month in commenting upon the entries for our Third Drawing Competition, the subject of which was "An Electric Tram," we remarked that the average quality of the drawings submitted was distinctly inferior to that of the locomotive drawings in the previous contest. Our Fourth Contest, however, the subject of which was "A Petrol Motor Bus or Motor Lorry," showed a big change, the entries being more numerous and of a quality closely approaching that of the locomotive contest. Apparently our readers are most keenly interested in self-propelled vehicles, and therefore we are announcing this month as the subject of our Fifth Drawing Competition, "A STEAM WAGON OR LORRY." Drawings may be made either in pencil or ink but colours are not to be used.

The competition will be divided into classes A and B for those of 16 and over and those under 16 respectively. Again we are offering four prizes—Drawing or Painting Materials, or Meccano products if preferred, to be selected by the winners, to the value of 10/6 and 5/- respectively for the first and second in each section.

Closing date 30th May (Overseas: 31st August).

Results

"Suggestions" Contest

Our "Suggestions Competition" announced in the February "M.M." produced a large number of interesting entries. Many of the suggestions had to be turned down at once, however, because they were either impractical or in some way undesirable for a magazine like ours. The four readers who put forward what appear to us to be the most practical suggestions are P. A. Dunslow (London), G. S. Marsh (Blackpool), H. Parker (Buckley, nr. Chester) and G. Stacey (Horne Bay). These four readers have therefore been awarded a Meccano Radio Receiver or a pair of Double Head-phones as desired.

The suggestions of the above-named readers, briefly summarised, are as follows:—

1. A list of a certain number of Meccano parts to be published in the "M.M." and prizes offered for the best original model made from these parts. The

author of this suggestion, P. A. Dunslow, lays stress on the great advantage of competitions run on these lines in that they would test severely the ingenuity of the competitors, since every part would have to be used to its greatest advantage.

2. G. S. Marsh sends in the following suggestions:—(a) A voting competition to determine what the readers of the "M.M." consider to be "The Seven Modern Engineering Wonders of the World." (b) A competition for Guild members only, the subject to be "The Best Club Motto." (c) A voting competition to determine the six best models in the Manual, the contest to be divided into two sections, junior and senior. (d) A painting competition, the subject to be "My Hornby Train."

3. H. Parker suggests a series of puzzle pictures drawn to represent the names of models in the Meccano Manual.

4. G. Stacey breaks new ground in suggesting a contest with the subject "The Best Meccano Limerick." As an alternative he suggests that a verse of three lines should be printed in the "M.M." and a prize awarded for the best fourth line. Another suggestion put forward by this reader is that a prize should be offered for "The Best Anecdote about Meccano."

Some of the competitions suggested would naturally take some time to work out but it is possible to start one or two of the others without preparation, and elsewhere on this page we announce a contest on one of G. S. Marsh's suggestions to determine "The Seven Modern Engineering Wonders of the World."

Third Drawing Contest

We were delighted to see so many entries for this competition, which has more than proved what excellent artists many of our readers are. It was a most difficult subject, but the details in most cases were excellently drawn, and it took a considerable time to adjudge the winners. Finally it was decided to award the prizes as follows:—Class A, first prize (Meccano products value 10/6), N. Edgar (Blaydon-on-Tyne); second prize (Meccano products value 5/-), R. Brown (Greenock). In Class B similar prizes were awarded to A. Lumley (Chester) and W. G. Allen (Northampton) respectively.

"My Favourite Railway and Why I Prefer It"

The entries received from boys of all ages for this essay competition were very encouraging, not only in point of numbers but also on account of their excellent quality. It was rather unfortunate that some essays, otherwise good, had to be turned down because the writers, while describing a particular railway, did not give the slightest reason for preferring this particular line. The railways chosen ranged from the Hornby system to the largest group in the country. The Great Western, L.N.E.R. and L.M.S. groups were chosen in approximately equal numbers by the majority of the competitors, but apparently the Southern Railway is not quite so popular. Four prizes were offered in this contest and were awarded as follows:—Section A, first prize (Meccano goods value £1/1/-), R. W. Davies (Wrexham); second prize (Meccano goods value 10/6), E. Wright (Plumstead, London, S.E.18). Section B, first prize (Meccano goods value £1/1/-), W. Russell (Lewes); second prize (Meccano goods value 10/6), A. Ray (Totterdown, Bristol).

Second Cross Word Puzzle Contest

Our cross word puzzle competitions appear to be still growing in popularity and if the same rate of increase is maintained we are afraid the next thing will be a scarcity of dictionaries! Although we endeavoured to make this contest much more difficult than the first, we could not baffle our competitors, the majority of whom solved the puzzles correctly. As in the case of the first competition of this sort, the most important part with which we had to deal was the puzzles invented by the competitors themselves. The three prizes offered in this contest were

finally awarded as follows:—First prize (Meccano goods value £1/1/-), P. Malden (Kidderminster); Second prize (Meccano goods value 10/6), A. Hunter (Kirkcudbrightshire); Third prize (Meccano goods value 5/-), E. L. Bennett (Bury).

Overseas Result

Hornby Railway Essay Contest

The Overseas entries for this competition were not so numerous as those from Home readers but they were certainly equal in merit. As in the case of the Home section the greatest fault in the majority of the entries was that of making the layout too complicated and over-crowding it with accessories.

After careful consideration it was decided to award four prizes as follows:—Section A, First prize (Meccano goods value 10/6), Aly Ahmed Shwaky (Cairo, Egypt); Second prize (Meccano goods value 5/-), Serji M. P. Sammie (Trichinopoly, India). Section B, First prize (Meccano goods value 10/6), Delbert K. Upton (Fairlight, Sask., Canada); Second prize (Meccano goods value 5/-), George Cripps (Queensland, Aus.)

Competition Closing Dates:

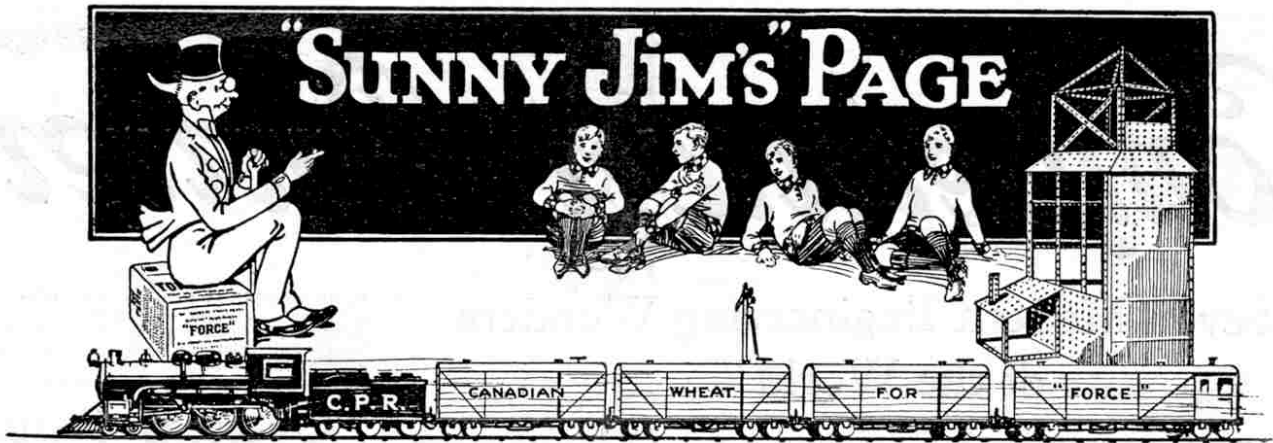
	HOME.	
Essay (March)	...	30th April.
Thirteenth Photo	...	30th April.
Essay (April)	...	30th May.
Fourteenth Photo	...	30th May.
Fifth Drawing	...	30th May.
	OVERSEAS.	
Eleventh Photo	...	31st May.
Cycling Hints	...	31st May.
"My Favourite Railway" Essay	...	31st May.
Third Drawing	...	31st May.
"Suggestions"	...	31st May.
Twelfth Photo	...	30th June.
Fourth Drawing	...	30th June.
Essay (March)	...	31st July.
Thirteenth Photo	...	31st July.
Essay (April)	...	31st August
Fourteenth Photo	...	31st August
Fifth Drawing	...	31st August

Meccano Writing Pads

In response to numerous requests, we have now prepared special Writing Pads in two sizes, each consisting of fifty sheets of tinted bank paper, with cover and blotting paper.



Meccano Writing Pads may be obtained direct from this office. They are just the thing to use when writing to your friends, for the special notepaper shows at once that you are a Meccano boy. Prices: Large, 1/- each (post free); Small, 6d. each (post free).



A TRIP OVER THE "FORCE" MILLS

We are now going to accompany Harry and Dick on their trip over the wonderful mills that turn wheat into "FORCE."
"Come along," said "Sunny Jim."
He took our two friends to an automatic

It was then placed into huge revolving ovens. They saw the barley malt added, and then round and round turned the big steam cookers.

Cooking over, the little steam cooked

to the packing machine. "Here it comes," said Harry, as the crisp flaked "FORCE" began to appear on the belt, and was soon racing off to the huge bin where it is stored for packing.



elevator, which was taking the wheat from the railway trucks and hoisting it to the top of the building.

"Let's take the lift and follow it up," shouted Harry. They did so, and were soon watching the wheat being cleaned.

grains were rolled into flakes, and carried on a travelling belt to the electric ovens.

"Sunny Jim" and the two boys gathered round. "This," said "Sunny Jim," is a conveyor belt that takes the flaked "Force" from the electric ovens

They then watched the automatic machinery packing "FORCE" into the familiar yellow wax papered packets, which were then passed down a conveyor, put into cases, and shot down a chute to the store room.

WOULD YOU LIKE A FREE SAMPLE OF "FORCE"? Send your name to "Sunny Jim," Dept. Mc. 7, 197, Gt. Portland Street, London, W.1., and he will send you one.



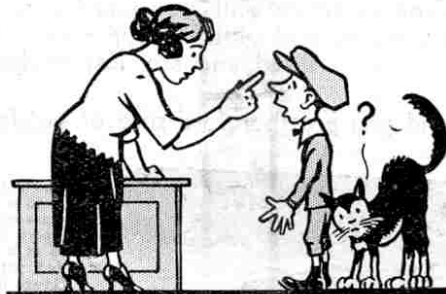
This Month's Short Story

Speed limit,
Road hog,
Police got him,
He's in quod!

* * * * *
Smith: "My father smokes six ounces of tobacco every week."
Brown: "That's nothing, my uncle smokes fifty hams every week!"

* * * * *
Tim: "What are you drawing, Billie?"
Billie: "A dog, of course."
Tim: "But it hasn't got a tail."
Billie: "Oh, its tail is still in the ink bottle!"

A HOPELESS CASE!



Mother: "For goodness sake stop asking questions. Don't you know that curiosity killed the cat?"
Bright boy: "Is that so mother? What did the cat want to know?"

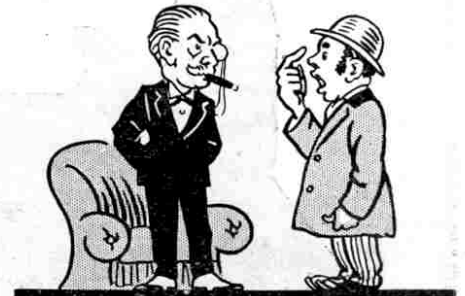
* * * * *
Small boy (to grocer): "Please sir, Mother says this jam is full of stalks."
Grocer: "Can't you read? It says on the label 'Dobson's Jams, Branches Everywhere!'"

* * * * *
Teacher: "Tommy, how many bones have you in your body?"
Tommy: "Nine hundred."
Teacher: "Then you have a great many more bones than I have."
Tommy: "That is because you didn't have fish for breakfast as I did."

* * * * *
Bill: "Even a policeman can't arrest the flight of time."
Sam: "I'm not so sure. I've seen a policeman enter a doorway and stop a few minutes."

* * * * *
Billy: "Something happened to me yesterday that will never happen to me again if I live to be a hundred."
George: "What was it?"
Billy: "I was fourteen years old."

PROOF POSITIVE!



Master (to manservant): "Did you deliver that letter to Mr. Smith?"
Manservant: "Yes sir, but its no use writing to him, he's blind."
Master: "Blind! What on earth do you mean?"
Manservant: "Well sir, he asked me three times where my hat was, and I had it on my head all the time!"

* * * * *
Billie, staying at his uncle's farm, rushed into the house, out of breath and excited. "There's a mouse in the milk pail," he gasped.
"Well, Billie," said his uncle, "did you take it out?"
"No, uncle," said Billie, "I know better than that. I threw the cat in!"

* * * * *
Drill Sergeant (to recruits): "What on earth is the matter with you all? That line is as crooked as a dog's hind leg. Fall out all of you, and have a look at it!"

* * * * *
Q. If a forest were burned down, what trees would remain?
A. The ashes.

* * * * *
Q. Why would lawyers make good soldiers?
A. Because they are always ready to charge!

* * * * *
Boss: "Did you hand that parcel to Mr. Johnson?"
Boy: "No, he was out."
Boss: "But I told you to wait for him."

* * * * *
Boy: "Yes, but the door was locked and a notice on it said 'Return immediately,' so I ran back here as fast as I could."

* * * * *
Visitor: "Do people often fall over this cliff?"
Guide: "No sir, only once."

* * * * *
Sailor: "Yessir. The big ship is a man-of-war and the little one is a tug."
Old Gent: "Ah yes, I know. You mean a tug-of-war."

THE answers to the previous month's puzzles have taken up a great deal of room on this page recently and have crowded out many jokes and riddles to the disgust of many of my readers. I have therefore decided to keep this page exclusively for "Fireside Fun," and commencing with this issue the answers to puzzles will be found on the "Puzzles" page.

Last month's Cross Word Puzzles have tried severely the ingenuity of my readers and I hear that many dictionaries are becoming worn out! The Cross Word Puzzle for this month is not so difficult and it only needs a little perseverance until the two or three awkward corners are fixed up. After that the remainder of the puzzle is straightforward.

For this month's competition I am only giving one Cross Word Puzzle to solve, and I am not requiring an original puzzle from competitors. As will be seen from the instructions on the "Puzzles" page, each entrant must solve the Cross Word Puzzle and four other puzzles to be selected from those on the page. In this way I hope to encourage readers who are not keen on Cross Word Puzzles and who do not care to have to concoct original ones in order to compete.

AMBIGUOUS!



Sergeant (purple with rage): "What did you mean by firing then? Do you know you only just missed me?"
Recruit: "I say Sergeant, I'm awfully sorry!"

* * * * *
Pat: "I've lost my dog, what can I do about it?"
Mike: "Advertise for him, of course."
Pat: "What's the use, my dog can't read advertisements!"

HORNBY CLOCK WORK TRAINS

THE TRAINS
WITH THE
GUARANTEE



YOU can have any amount of fun playing with a Hornby Train. Shunting, coupling-up the rolling stock and making up trains will give you hours of pleasure. Hornby Trains are beautifully finished, strongly made, and will last for ever. One of their most valuable features is that all the parts are standardised, and any lost or damaged part may be replaced with a new one.

Every train is guaranteed, and you are therefore sure of satisfaction if you buy a Hornby.



No. 2 PULLMAN SET

No. 2 Pullman Set

The No. 2 Loco with Tender measures 17 in. in length. The Loco is fitted with superior mechanism and the accurately-cut gears ensure smooth running. Loco, Tender and Coaches are superb in appearance and finish, enamelled in colours and stoved at a high temperature to ensure durability. The Loco is fitted with reversing gear, brake and governor.

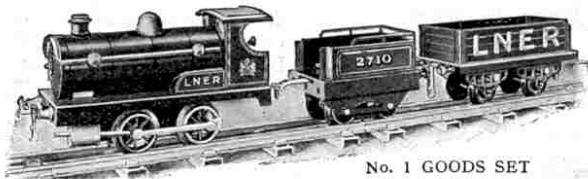
Gauge 0 in colours to represent the L.M.S. or L.N.E.R. Companies' rolling-stock. Each set contains Loco, Tender and two Coaches, with set of rails to form a circle of 4 ft. diameter. Price 60/-.

No. 1 Passenger Set

The Loco is fitted with reversing gear, brake and governor. Loco, Tender and Coaches are superb in appearance and finish, enamelled in colour and stoved at a high temperature to ensure durability. The doors of the Coaches open. Gauge 0 in colours to represent the L.M.S. or L.N.E.R. Companies' rolling-stock. Each set contains Loco, Tender, two passenger coaches and set of rails consisting of two straights and curves to form a circle of 2 ft. diameter. Price 30/-



No. 1 PASSENGER SET



No. 1 GOODS SET

No. 1 Goods Set

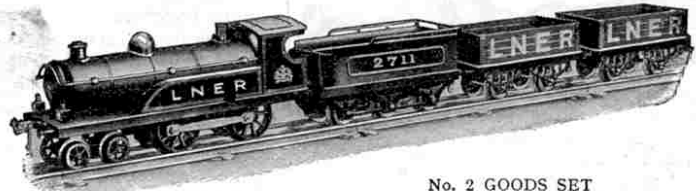
Gauge 0 in colours to represent the L.M.S. or L.N.E.R. Companies' rolling-stock. Each Loco is fitted with reversing gear, brake and governor. Each set comprises Loco, Tender, one Wagon, and set of rails as in the No. 1 Passenger Set. Price 22/6

No. 1 Hornby Loco	Price 15/-	Hornby Passenger Coach	Price 5/-
" " Tender	" 2/6	No. 1 Hornby Wagon	" 2/6

No. 2 Goods Set

Gauge 0 in colours to represent the L.M.S. or L.N.E.R. Companies' rolling stock. This set contains Loco, Tender and Rails as in the No. 2 Pullman Set, and two Wagons. Loco fitted with reversing gear, brake and governor. Price 37/6

No. 2 Hornby Loco ...	Price 22/6	Hornby Pullman or Dining Car ...	Price 15/-
" " Tender	" 3/6	No. 2 Hornby Wagon	" 2/6



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(HORNBY SERIES)

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All Hornby Rolling Stock and Accessories are built in correct proportion to the size, gauge, method of coupling, etc., of the Hornby Trains and all have the uniformly beautiful finish that is the great feature of the Hornby series. With these accessories you can build up a most realistic railway system, and the splendid range of rails, points, and crossings make possible endless variety in rail layout. Hornby Trains are British made, and your dealer will be able to show you specimens of the new products.



SIDE TIPPING WAGON
Excellent design and finish.
Price 3/6



No. 2 LUMBER WAGON
Fitted with bolsters and stanchions for log transport.
Suitable for 2 ft. radius rails only. Price 5/-



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Representative colours.
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Finished in colour. Fitted with double doors. Suitable for 2 ft. radius rails only. Price 6/6



SECCOTINE VAN
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Beautifully enamelled in colour and stoved. Suitable for 2 ft. radius rails only. Price 4/6



No. 1 CATTLE TRUCK
Fitted with sliding door.
Very realistic design.
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Mechanically unloaded.
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Finished in colour.
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Finished in red.
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Beautifully enamelled in colour and stoved. Price 2/-



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Finished in red, lettered gold.
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Finished in colour.
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Enamelled in white, lettered black. Price 4/-



SNOW PLOUGH
Finished in grey, with revolving cutter driven from front axle.
Price 5/6



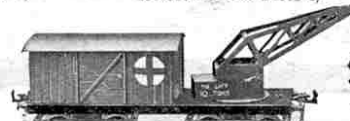
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Working model.
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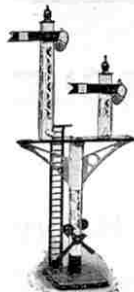
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Price 5/-



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Signal arms operated by levers at base. Very realistic model standing 14 in. in height. Price 5/6



SIGNAL CABIN
Dimensions: height 6½ in., width 3½ in., length 6½ in. Finished in colour and lettered "Windsor." Roof and back open to allow signal-levers to be fitted inside cabin if desired. Price 6/6



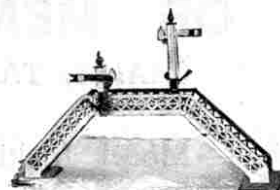
SIGNAL
Price 2/6



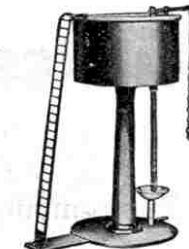
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Beautifully designed in colour. Measures 11½ in. x 7½ in., with Gauge 0 Rails in position. Price 6/6



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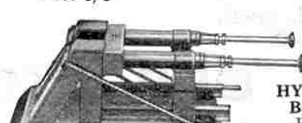
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No. 1. With detachable signals. Price 6/-
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Brightly coloured in red, yellow and black, 8½ in. in height, with flexible tube and pump lever. Price 6/6



SPRING BUFFER STOP
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A Jaeger "Meccano" Jersey is made in the special "Meccano" pattern. It wears splendidly and prevents the frequent chill when a boy gets hot, as every boy will sooner or later. The "Meccano" Jersey appeals to every boy at once as well as to the "grown-ups" who study the health and happiness of children.

24"	26"	28"	30" Chest
8/3	9/-	9/9	10/6

Light Fawn/Brown, Navy/Saxe,
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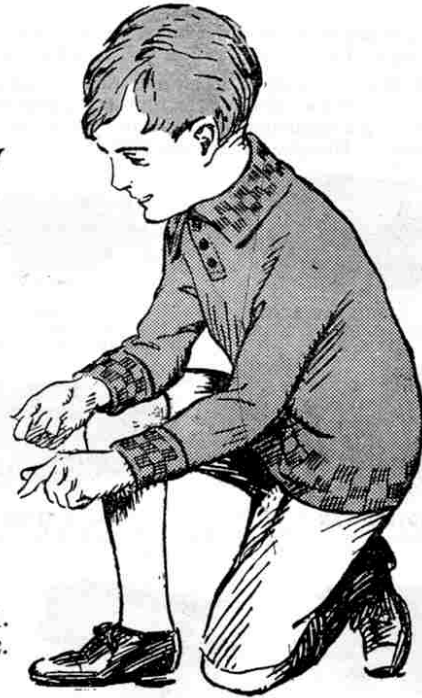
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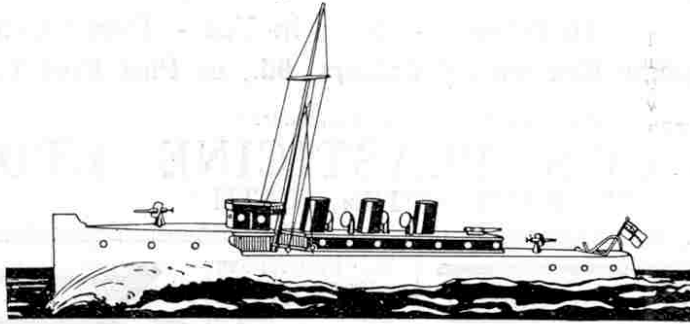
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Tubes 6d. each.

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Write for a free booklet about Seccotine.

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MORE THAN THAT,

this T.B.D. is a scale model in appearance, and works under its own power, clockwork or steam. It is constructed and finished with all the care and attention associated with all "LOWKE" productions.



"DIXIE" MOTOR BOAT

A beautiful little model 21 inches long. Made with either Clockwork or Steam Drive. Spray-hood and hull hand painted; decking hand polished.

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Model "Dixie," with clockwork movement and single-screw	25/-
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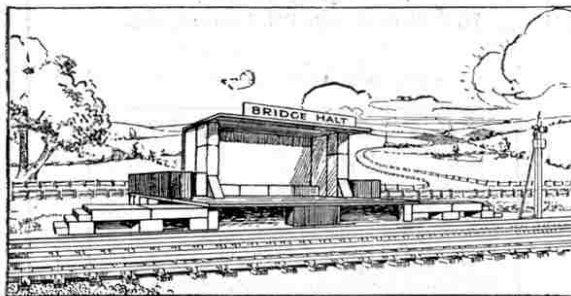
SIGNAL CABIN

Some London Stockists :

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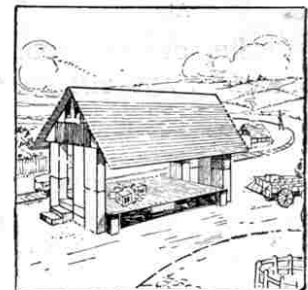
Price 3/3

The box is self contained and complete with designs, bricks, and roofs for 12 Models, three of which are illustrated below.



HALT

The above new plans can be obtained separately price 4d. post free, also roofs and odd bricks, by those who already have the more advanced boxes in Series B.



GOODS SHED

- G. Maggs, Southampton.
- Thackrays, Southport.
- British Sports Emporium, Newark.
- Harris Bradley, Wolverhampton.
- Haywards Ltd., Bristol.
- O. V. Mainstone, Ryde, I. of W.
- Birmingham & Coventry Cycle Co., Southampton.
- The Doll's Hospital, Guildford.
- W. H. Kitch, Bridgwater.

LOTT'S BRICKS LTD., WATFORD, England

ROLLER SKATES



For Boys and Girls.

Every Pair Guaranteed. Strong, Rigid, Adjustable to any size, and beautifully finished. They are exceptional value.

"A joy to own, a pleasure to use."

No. 3 with Threaded Clamps and Case-hardened Steel Wheels are only 5/- pair
 No. 6 with best Ball-bearing Wheels, 10/-
 No. 7 and "Block Heels, as illustrated 11/-
 Postage and Packing 9d. pair extra.

Send at once to

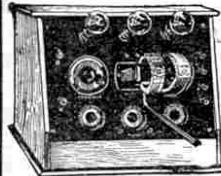
Bateson's Sports Depôt, Blackpool

3 VALVE SET £5

Compare this price with other advertisements or at your local Dealer or Stores.

Cabinet of solid Mahogany with sloping front, Ebonite panel, British made. Receives all B.B.C. Stations and will work Loud Speakers. Size 14 ins. x 12 ins. x 9 ins.

Complete with following accessories—



Sterling Dinkie Loud Speaker, Valves, Lead-in and Aerial Wires, Accumulator, H.T. Battery, Coils, Insulators, Plugs, etc. The whole complete Wireless Outfit Tested and Guaranteed.
 £9 15 0

Can be seen and demonstrated any time.
Godfrey Bros., 68, Plumstead Rd., London, S.E.18

HOBBIES LTD. GREAT SALE

Until April 15th.

FRETWORK OUTFITS, TOOLS, MACHINES AND TIMBER.

Discount 3d. in 1/-.

O.K. FRET MACHINE.

Price 37/6. Sale Price 28/1½

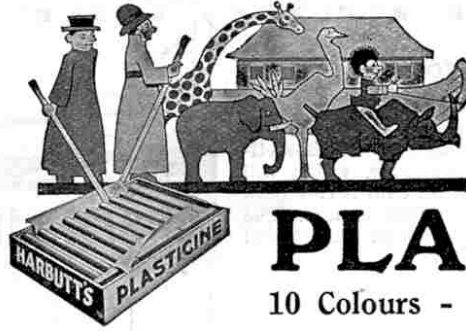
£2,000 Pounds worth of new

WIRELESS FITTINGS
 (except fixed priced goods).

3d. Discount in 1/-.

C. LUCAS,
 35, MANCHESTER STREET,
 LIVERPOOL.

A FEW THINGS WORTH SENDING FOR. Folding Pocket Magnifier with Compass, 1/-; Scholars' Microscope with Muslin Insertion, 1/-; Solid Brass Long Range Tourist Telescope, 2/6. Postage 2d.—Bateson's Sports Depôt, Blackpool.



MODEL WITH HARBUTT'S PLASTICINE

10 Colours - Clean in Use - Ever Plastic
 Sample Rainbow Box with 6 Colours, 9d., or Post Free 1/-

Write Us for Illustrated Circulars:

HARBUTT'S PLASTICINE LTD.
 99, BATHAMPTON, BATH



Find it in Books!

BOOKS ON ANY SUBJECT SUPPLIED.

State full title, author and publisher. Cash with order (including postage—any surplus returned).

S. COMFORT, The Book Store BURY, LANCS.



The JOYS OF RADIO!

Your Crystal Set may be improved 100% if you use Mercite Super Crystal.

Mercite gives ideal results because it is pure natural mineral. It faithfully preserves the rhythmic strains of music, or the mellow tones of a scientific lecturer.

Mercite gives ideal results because it is sensitive at every spot, and has a guarantee, which is an Englishman's bond.

Ask your dealer for Mercite in the sealed glass tube, 1/6, or send direct postal order, and a large Crystal will be sent post free.

ALBERT GLENDINNING,
 71, Earle Road, Edge Hill, Liverpool, Eng.

Mention your dealer's name and quote "Meccano"

THE LATEST JOKES!
 etc., can be obtained at HERBERTS.

- The Breakfast Egg Joke ... 9d.
 - The Magic Platelifter ... 1/-
 - The Black Eye Kaleidoscope ... 10d.
 - The Popping Optic... 1/6
 - Assorted Iron Puzzles, 9 in Box ... 1/6
 - Repeating Pea Pistol, 15 Shot ... 1/9
 - Repeating Pea Pistol, 25 Shot ... 2/6
- ALL POST FREE. P.O.'s or Stamps from Herberts, 27, Adys Road, Peckham, London, S.E.15

ELECTRICITY MAKE YOUR OWN ELECTRIC LIGHT 5/- only.

These wonderful Dynamos light brilliantly a 4-6 volt lamp, and are very easy to work. 5/- Post 6d. Note New Address:



GREENS (Dept. N.), 65, Long Acre, London, W.C.2.

The "PYGMYPHONE"—the gramophone that plays just like a large machine—complete with one double-sided record, 4/6 post free. Also the well-known 25-Shot Automatic Pea Repeater, 2/6 post free.
R. DILNOT,
 125, Chiswick High Rd., London, W.4.

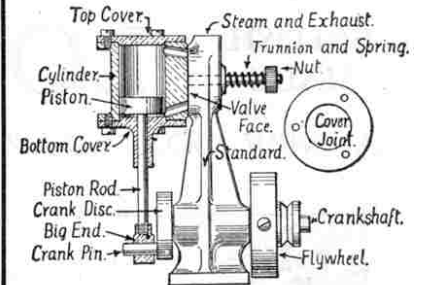


MAKE GRAMOPHONES.

Our 64-page Catalogue tells you for 3d. how to do it and what accessories to choose. Motors in 25 sizes, from 9/-; Tone arms, 4/-; Speakers, 2/-; Headphones, 10/6 pair; Cabinets from 9/- Gramophones from 25/6. Carr. paid. **The Regent Fittings Co., D.78** 120, Old St., London, E.C.1. Telephone: Clerkenwell 2923.



Established 21 years.



"Thank you for sending the S.T. Boiler. The engine, bought at Wembley, was soon coupled up and ran perfectly. My little boy was so pleased to see that it was powerful enough to drive a Meccano Crane."

Thus writes a customer. Above is the drawing sent with the instructions for building and we guarantee the engine will work.

S.T. Engine Parts ... 5/- Post
Finished Boiler 8/- Free

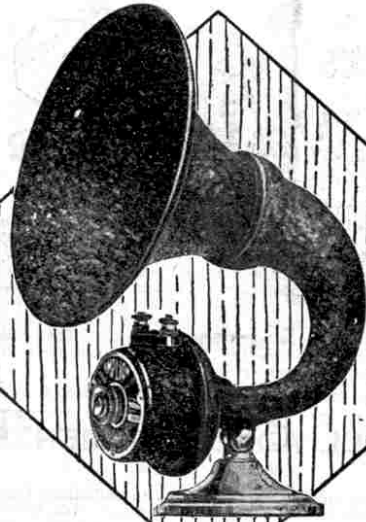
Send stamp for list 12M or 6d. for complete 80-page catalogue.

Stuart Turner Ltd.
 HENLEY-ON-THAMES

MODEL SHIPS' FITTINGS

Send 6d. for Scale Drawing of Splendid Ocean Liner and List of Realistic Fittings. **A. Rodway,** 102, Long Street, Birmingham.





The **25/-**

AMPLION
DRAGONFLY
A Real "Baby" Loud Speaker

IT has achieved the most outstanding success since the inception of Wireless Broadcasting. Although a "Baby" in size and appearance, the performance of the Dragonfly—costing only 25/-—is comparable with that of many large Loud Speakers much higher in price, *particularly where it is associated with a receiving set of suitable power and efficiency.* This miniature instrument bears the AMPLION trademark and embodies the unique constructional details and patented features of the standard AMPLION "Dragon" Models.

It emphasises to the full the real meaning of "efficiency for size" and "value for money."

The
World's
Standard

AMPLION

Wireless
Loud
Speaker

From AMPLION STOCKISTS and Wireless Dealers everywhere.

If you feel in any way dissatisfied with the performance of your AMPLION, please write explaining the circumstances to the House of Graham—Service Section, when practical suggestions will gladly be made.

*Demonstrations gladly given during broadcasting hours at the London Showrooms :—
West End : 25-26, Savile Row, W.1. Suburban : 79-82, High St., Clapham, S.W.4*

Patentees and Manufacturers :—

ALFRED GRAHAM & CO. (E. A. Graham) St. Andrew's Works, Crofton Park,
London, S.E.4.

Associated Companies and Agents :—

AMPLION Corporation of America, New York.
Compagnie Continentale AMPLION, Bruxelles.
Compagnie Francaise AMPLION, Paris.

Burndepot of Canada, Ltd., Toronto.
Amalgamated Wireless (Australasia) Ltd., Sydney
British General Electric Co. Ltd., Johannesburg.



Readers' Sales and Wants



Registered at G.P.O., London, for transmission by Canadian Magazine Post.

EDITORIAL AND ADVERTISING OFFICES:—

BINNS ROAD, LIVERPOOL.

Telegrams: "Meccano, Liverpool."

If you have anything to sell or wish to buy anything take advantage of the service offered by a small advertisement in these columns.

The "M.M." is read by approximately 100,000 people every month. It circulates in every country where the English language is spoken. If you wish to sell your duplicate stamps, your rabbits, or your tools, or to purchase a loud speaker, a steam engine, a model yacht, or a hundred-and-one other things, you will be able to do so through the columns of the "M.M."

The rates are one penny per word, with a minimum

IMPORTANT.—Advertisements dealing with any article in the Meccano catalogue cannot be accepted.

PLEASED ADVERTISERS

We are getting far more enquiries than is usually the case. N. & Co.

I find your periodical very satisfactory.

W.D.Ltd.

The business resulting from the February advertisement was so good that I had to miss your March issue—in fact, replies are still coming in. E.W.P.

I am satisfied with the results of my previous advertisement. H.J.H.

The small space we had with you brought in a fair number of replies. H.P.Ltd.

From my second advertisement in your paper I obtained about one hundred and twenty replies—including thirty-two from abroad. I shall have no hesitation in coming to you again next season. S.H.C.

We have received quite a number of orders for our apparatus this morning as a result of your advertisement. P. & T.Ltd.

I am a confirmed advertiser now in the "M.M." and so far have had very satisfactory results. A.W.N.

We have no hesitation in asserting that our clients are convinced that your Magazine is one of the best pullers in which they advertise. B.D. & Co. Ltd.

We know from the results attained by our advertising in your Journal that your readers are most keenly interested in our goods. A.R.

I had great success with the last advertisement inserted in your columns. L.F.

Recent advertisements in the "M.M." have brought us satisfactory results, both numerically and in regard to the class of readers replying. S.G.Ltd.

We really are getting splendid results. F.Co.

I do not doubt for one moment that $\frac{1}{2}$ in your paper equals $\frac{1}{2}$ page in many purely philatelic journals. S.H.C.

My insertion in your November number produced very satisfactory results. E.C.C.

READERS' SALES

(Rate: 1d. per word, min. 1/-).

Strong Electric Motor, 4 volt, 7/-.—H. Wilson, 1, Clement Road, Wimbledon.

Two Fishing Lines, Telescope, 300 Cigarette Cards, 142 Boys' Books, Magic Lantern, Steam Engine with Whistle. What offers?—Write, E. Young, 30, Lyndhurst Drive, Leyton, E.10.

New Model Liner, complete with Electric Engine and Accumulator, very fast boat, 2ft. 10in. long, £4, carriage paid.—Andrew J. Umphray, Leraback, Foulda, Shetland.

For Sale. Wireless valve panel; long arm, variable condenser (.00035 mfd.); loose valve coupler. Also Vol. 2 "Kodak" Magazine unbound. Good condition. What offers?—Desmond Heap, Southern Avenue, Burnley.

For Sale. Gilbert Motor, quite new, cost 6/6.—Apply Howard, 1, Mount Road, Fleetwood.

Children's Encyclopaedias, 17 vols. for sale, 1909-1921; also Model Engineers, Nos. 1036-1115; Children's Newspapers, Nos. 1-150; Shocking Coil; Foreign Stamps. What offers. Write for particulars.—E. Heffer, 85, Northgate, Wakefield, Yorkshire.

"Meccano Magazines," 20 onwards. What offers.—Lomax, 12, Henry Street, Church, Accrington.

"Meccano Magazines," Nos. 11-35. What offers.—Ratcliff, 19, Old Deer Park Gardens, Richmond, Surrey.

Cinema. Oak base, 6½ spools, flex lamp (220 volts) with two thousand feet of films and 30 slides. New Christmas. Cost £8. Take £5 or offers.—Enquiries, Cornish, 16, Mina Road, Merton Park, London.

For Sale. Dynamo unused, 6 volts, 4/6. Also Variometer, Edison Bell, Condenser Cap, .0005, Set Cymosite Crystals all perfectly new. The lot 7/6.—House, 24, Woodman Terrace, Skipton.

Slide Valve Steam Engine for sale, can be seen running by appointment, suitable for driving Meccano Models, 31/6.—J. Hulme, 51, Peter Street, Blackburn (1½ Stroke).

of 1/- (cash with order).

Your advertisement must be received before the 10th of the month for insertion in the following month's issue.

If a Box Number is used, 4d. should be added to cover the cost of postage of the letters to the advertiser from this office. The letters will be posted one week after the advertisement appears, and a second batch a month after the advertisement appears. They will be sent more frequently if additional postage is included with the advertisement.

SMALL ADVERTISEMENTS

(Rate: 1/- per line).

Patents, Advice, Handbook and Consultations Free. B. T. King, C.I.M.E., Regd. Patent Agent, 146a, Queen Victoria Street, London, E.C.4. 38 years' reference.

British and Exotic Fertile Ova, Larvae and Pupae. Lists Stamp.—Rose, Alexandra Road, Tonbridge.

POWERFUL HORSE SHOE MAGNETS guaranteed to lift one pound weight. Finished bright red, 2/3 each, Postage 3d.—Batesons' Sports Depot, Blackpool.

Remarkable Offer. 5,000 Sex and Pole Indicators, Post free, 9d. each.—Walton's Emporium, Hebden Bridge.

LIVING LARVAE OF BUTTERFLIES AND MOTHS. ½d. stamp for lists.—V. Heather, 51, Woodville Road, King's Heath, Birmingham.

BOYS' STRONG HANDSOME NICKEL SILVER WATCHES, Luminous face, 4/6. Plain face, 3/11. Postage 3d. Reliable Swiss Lever Timekeepers. Guaranteed 5 years. Chains presented free.—W. P. Service, 19b, Rhodesia Rd., Stockwell, London.

MAIL ORDER ADVERTISING, for 7/10 inclusive. Sell your goods to eager provincial buyers through 56 influential newspapers. Prospectus: Central Press, (Series Dept. 55), 190, Strand, London, W.C.2.

MODELS OF 17/6 SWAN, WATERMAN AND ONTO SELF-FILLING FOUNTAIN PENS with Pocket Clips, 5/- each, postage 2d. State Fine, Medium or Broad Nib.—Batesons' Sports Depot, Blackpool.

HOME CINEMATOPHGRAPHS AND FILMS. Great bargains. Lists free.—Pictures, 109, Kenlor Road, Tooting, London.

CINEMA FILMS, 100 ft. 1/-, 1,000 ft. 6/-, delivered.—Phillips, 64, Ewart Street, Brighton.

HOME CINEMATOPHGRAPH MACHINES AND FILMS. List free.—Cinema, 83, Gibbon Road, Kingston, London

CINEMATOPHGRAPH FILMS, Machines, Accessories, Bargains. 100 ft. Film and List 1/-.—Tottenham Film Exchange. Offices, 2, Ascot Rd., S. Tottenham, N.15.

WHY PAY HIGH PRICES FOR CORRESPONDENCE COURSES? I can supply you with any course on any subject at from 50-300% of original cost. State requirements.

R. CLEMOES, St. Budeaux, PLYMOUTH.

MODEL RAILWAY CLUB Exhibition of Members' Work

KINGSWAY HALL, KINGSWAY, LONDON, W.C.

Friday, April 17th, 1925, from 2-10 p.m.

Saturday, April 18th, 1925,

from 10 a.m.—10 p.m.

Admission—Adults 1/3; Children (under 12) 6d. (including tax).

Are You Building a Valve Set?

Yes! Then you need our book of Complete Wireless Circuits, 3/9 post free. All Wireless Parts in stock. Headphones from 11/6. Loud Speakers from 22/6. Transformers, 7/6. Valves, all the best. Basket Honeycomb and Concert Coils. Fixed and Variable Condensers, 1/- up. Switches, Variometers, Cabinets, etc. List Stamp. All goods guaranteed.

PICKERING, 76, HUDSON STREET, PRESTON.

IF YOU PLAY THE VIOLIN

It is well to avoid being without a complete set of strings and have difficulty in obtaining a string when needed.

We will send a complete set of 6 reliable strings, containing 1 "G," 1 "A," 1 "D," and 3 "E" strings complete, post free

FOR 2/6 FROM

A. BISHOP, 88, BRONDESBURY ROAD, LONDON, N.W.6.

Publication Date. The "M.M." is published on the 1st of each month and may be ordered from any Meccano dealer, or from any bookstall or newsagent, price 3d. per copy. It will be mailed direct from this office, 2/- for six issues and 4/- for twelve issues.

To Contributors. The Editor will consider articles and photographs of general interest; payment will be made for those published. Whilst every care will be taken of those submitted, the Editor does not accept responsibility for any loss or damage. A stamped addressed envelope should be sent where the contribution is to be returned if unacceptable.

Binding Cases. Spring-back Binders to take a number of "M.M.'s" are supplied, covered with imitation leather and lettered in gold, price 3/- each (post free).

Meccano Writing Pads. Fifty sheets of tinted bank paper, each printed with Meccano boy at head, 1/- (post free) large size, and 6d. (post free) smaller size.

Advertisements

Readers' Sales and Wants. Private advertisements (i.e., not trade) are charged 1d. per word, minimum 1/-. Cash with order. Editorial and Advertising matters should not be dealt with on the same sheet of paper.

Small Advertisements. 1/- per line (average seven words to the line), or 10/- per inch (average 12 lines to the inch). Cash with order.

Display. Quotations for space bookings, and latest circulation figures, will be sent on request.

Press Day, etc. Copy must be received not later than 10th of each month for publication in following issue. Half-tone blocks up to 100 screen.

Proofs of advertisements will be sent when possible for space bookings of not less than half-an-inch.

Voucher Copies. Sent free to advertisers booking one inch or over. Other advertisers desiring vouchers should add 4d. to their remittance and should order voucher copy at same time.

Remittances. Postal Orders and Cheques should be made payable to Meccano Ltd.

Obtaining the "M.M." Overseas

Readers Overseas and in foreign countries may order the Meccano Magazine from regular Meccano dealers, or direct from this office. The "M.M." is sold Overseas at 3d. per copy, or mailed (post free) direct from Liverpool, 2/- for six issues, or 4/- for twelve issues.

IMPORTANT.

Overseas readers are reminded that the prices shown throughout the "M.M." are those relating to the home market. Current Overseas Price Lists of Meccano Products will be mailed free on request to any of the undermentioned agencies. Prices of other goods advertised may be obtained direct from the firms.

CANADA: Meccano Ltd., 45, Colborne Street, Toronto.
AUSTRALIA: Messrs. E. G. Page & Co., 52, Clarence Street, Sydney, N.S.W.
NEW ZEALAND: Messrs. Browning Ifwersen Ltd., P.O. Box 129, Auckland.
SOUTH AFRICA: Mr. A. E. Harris (P.O. Box 1199), Textile House, Von Brandis St., Johannesburg.

BOYS MAKE YOUR OWN LEAD SOLDIERS.
Cowboys, Indians, Animals, Zulus, Model Station Staff, Rodeo, etc. Our CASTING MOULDS make thousands from any scrap lead WITHOUT PREVIOUS EXPERIENCE. Send stamp to-day for illustrated catalogue. Complete mould ready for work 2/6
RODWAY, 102, Long St., Birmingham
Mention "Meccano."

CUT THIS OUT. 'Meccano' Pen 3d. Coupon, Value 3d.
Send 5 of these coupons with only 2/9 direct to the Fleet Pen Co., Fleet Street, E.C.4. You will receive by return a splendid British 14-ct. Gold Nibbed Fleet Fountain Pen value 10/6 (Fine, Medium, or Broad Nib). If only 1 coupon is sent the price is 3/9. 3d. less for each extra coupon up to 4 (Pocket Clip 4d.). Satisfaction guaranteed. Your own name gilt letters, either pen 1/- extra. Lever Self-Filling Model with Safety Cap, 2/- extra.

Lines Bros.

Famous Toys

THEY'RE BRITISH MADE AND WORLD FAMOUS

Lines Bros. Toys are made at the largest Toy Factory in the world by skilled British Craftsmen. Each Toy is well finished and soundly constructed, and the value is the finest the Toy World has ever seen.

For your protection as well as our own, Lines Bros. Toys are marked with the famous Red Triangle Trade Mark. Every toy that bears this Trade Mark is made to give you complete satisfaction, and your children countless months of happiness.

Look for the
Triangle Trade
Mark on all
these toys



The Pedal Fairykar

Regd. Trade Mark

Here is the very thing for the tiny chap. It is painted a gay, bright red, with nickel-plated handlebar and stem; rubber pedals, etc.

No. 4a No. 5a.

REDUCED PRICES 10/6 & 19/6



The Fairycycle

Regd. Trade Mark

The Fairycycle is a real Cycle—not a make-believe. It is beautifully constructed, and runs ever so easily. It is perfectly safe too.

REDUCED PRICE 39/6

New Model Price 42/-

Similar to Model A but includes new Patent combined Stand and Carrier; a great improvement.

These prices apply only in Great Britain.

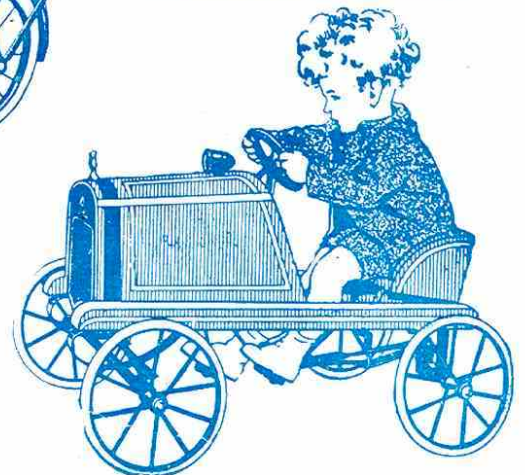
Obtainable from all good Toy Shops and Stores.

Sole Manufacturers:

LINES BROS. LTD., 9, Fore Street,
LONDON, E.C. 2.

The Fairycycle Association

The new Fairycycle Association will appeal very strongly to children everywhere. It has been formed in their interests, and of course, membership, while it is quite free, is confined to all purchasers of the Fairycycle. Full particulars will be gladly sent on application.



The Comet Motor

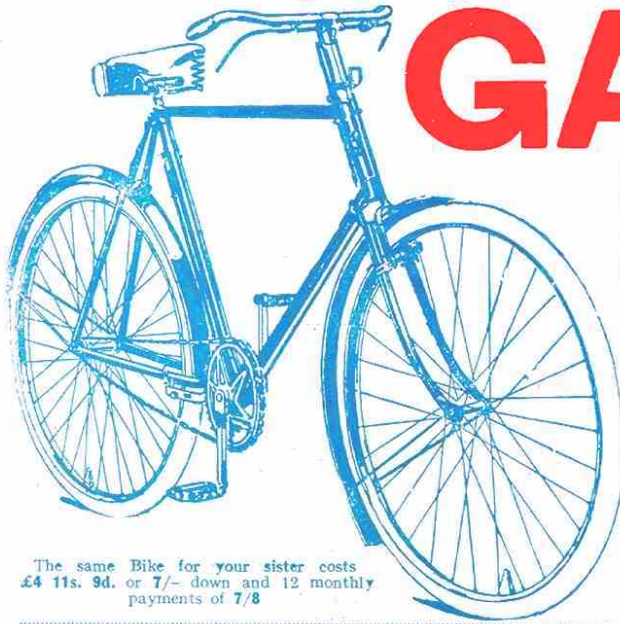
This smart little racing model is the very thing for boys and girls of 2½ to 5 years, and will stand plenty of rough wear.

REDUCED PRICE 21/-

Cricket, Cycling, Camping, "Cup-hunting"
—every single requirement can be obtained cheaper at

GAMAGES

If you live too far away to actually visit this Wonderful Store—write to Gamages for their Latest Free Illustrated Catalogue to be sent you—mentioning the particular game or hobby you are most interested in.



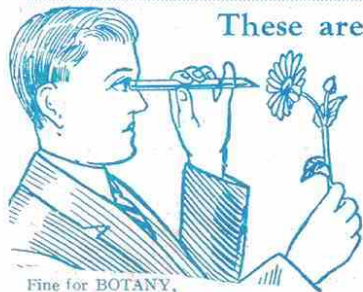
Ride a "Popular" Bicycle

and get the utmost enjoyment from your Summer runs. Thoroughly reliable machines, they are fitted with our celebrated "Holborn" Cord Non-Skid Tyres and all fittings are of splendid quality. Frames are finished three coats of best black hand-polished enamel, artistically lined. Nickel plated Handlebars. 22in., 24in. and 26in. frames. Cash Price

£4 : 5s.

Get Dad to get you one on Easy Terms
7/- DOWN secures delivery! Simply pay your first deposit, take possession of your machine, and settle balance in 12 Monthly Payments of 7/-

The same Bike for your sister costs £4 11s. 9d. or 7/- down and 12 monthly payments of 7/8



These are Good!

Pencil Microscopes—entirely new! Exceedingly powerful, magnifying 18 diams. The lenses are ACHROMATIC and consequently give magnificent definition.

Fine for BOTANY, NATURAL HISTORY, PHILATELY and a thousand-and-one other purposes. No "Meccano" Boy can be without one this Summer. Order yours right away before stocks run low. Post free. Price

5/-

Get a "Designoscope"

—and get amazing beauty from the most unpromising material. By means of this wonderful invention you can produce glorious designs from bits of string, rags, leaves, tinsel—any old thing. Simple, easy to use, and requires no elaborate preparation. A wonderful asset to artists, designers, etc., etc. Post 4d. Price

4/11



Get this Webley Pistol!

.177 or .22 Calibre.

This Air Pistol is supplied in Box containing "Webley" special Pellets, spare Barrel Joint, Washers, and Cleaning Rod.



GUARANTEED ACCURACY

All Pistols before leaving the Factory are mechanically tested for accuracy up to 10 yds.

The Pistol illustrated is extremely accurate and highly recommended. Weight 22 oz. The Barrels are interchangeable.

Price
Extra interchangeable Barrels 10/- net.
.177 Pellets, 2/6 per 1,000. .22 Pellets, 2/6 per 500.
Model de Luxe specially designed for Target practice with adjustable backsight (both lateral and vertical), and special vulcanite grips at

For the best shooting results use "Webley" Pellets.

30/-

40/-

Hornby & Meccano Parts

Gamages stock all Hornby and Meccano Parts and will send them carriage paid to any address in the United Kingdom.

COMPASSES

in brass cases, fixed metal dial 2" diam., with stop. Price
Do., Card Dial, 2 1/2" diam. (no stop) 2/6
Do., Card Dial, 1 9/16" diam. (no stop) 1/3
Do., Card Dial, 1 1/2" diam. (no stop) 1/-



CAMERAS

Nearly Half-Price!

Get one of these Reflex Roll Film Cameras. Daylight loading for standard size Films, 2 1/4 x 3 1/4 British made by HOUGHTON. Takes beautiful pictures. List Price 38/6. Gamages Price to "Meccano" Boys



21/-

Post 8d. Films (any make) per spool of 6, 1/2

Hundreds of Meccano Readers are ordering this Webley Air Rifle!

Power, Accuracy, Simplicity and Perfect Balance



Patented in all the principal countries of the world.

Only the best wrought materials are employed, and all component parts are interchangeable and easily obtainable. .177 or .22 Bore. BARRELS:—Rifled, and, being interchangeable, it is possible to have both calibres in one rifle. PISTON:—Fitted with Patent Rings, replacing the ordinary leather washer. SIGHTS:—Fitted with adjustable foresight laterally and backsight vertically. Complete Booklets, giving complete instructions for Air Rifle

72/6

Extra interchangeable Barrel, Calibre .177 or .22 **25/-**

WEIGHT:—5 1/2 lb. LENGTH:—34 ins. Length of Barrel, 19 ins. Complete Booklets, giving complete instructions for Air Rifle and Pistol, post free on request.

A. W. GAMAGE LTD., HOLBORN, LONDON, E.C. 1

and at **BENEFINKS, CHEAPSIDE, LONDON, E.C. 2.**

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Printed by Stenbridge & Co. Ltd., Albion Street, Leeds.