

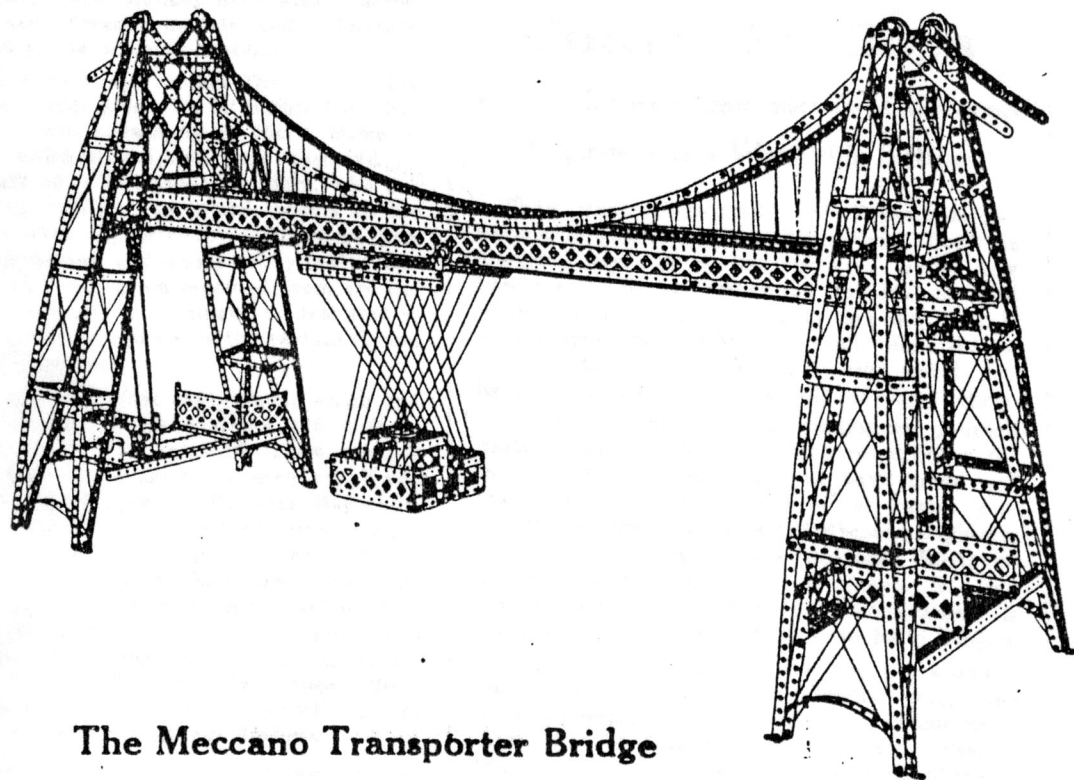
MECCANO MAGAZINE

To Help Meccano Boys To Have More Fun Than Other Boys

August-September, 1918

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Price



The Meccano Transporter Bridge

travels back and forth and carries passengers and freight over the river, from one landing platform to another one on the opposite side. You turn a little handle at one side of the bridge, or better still, you fix in a powerful little Meccano Electric Motor, and switch on the current, then watch the Transporter cross over with its load.

YOU can build this model when you have Meccano, and although it's genuine engineering, and the surprise and admiration of all real engineers, you don't have to know a thing about engineering, because you get full illustrations and instructions of the simplest possible kind. This Transporter Bridge is one of the new models in the No. 2 Meccano Manual.

EDITORIAL

THANK YOU, BOYS! I want to thank all the boys who have written in congratulating us on the success of our action against the makers of the American Model Builder, and to say how much I appreciate their cordial expressions of friendship. Now that our rights have been established, we shall feel safer in introducing some of the fine improvements to Meccano which we have ready. So be on the lookout for new and better Meccano parts, and new and better models than have ever yet appeared.

MECCANO MANUAL, BOOK No. 2. Don't miss this great book, boys, or you will lose a year's fun. The dandiest models you have ever seen are in it, every one a perfect and complete toy. We have hundreds more models ready which will appear in future editions of our Manuals.

OUR ESSAY COMPETITIONS. No doubt about it, judging from their letters to me, my readers certainly have got literary ability, and I am expecting to receive some interesting contributions to our new Essay Competitions. The winning essays will be published in the Meccano Magazine, along with portraits of the winners. Send along your efforts, boys; there are many prizes and nothing to lose.

MECCANO BOYS AND THE WAR. I want to extend a special message of sympathy and good wishes to the many Meccano boys who have written me that their fathers or their brothers are either on their way to France, or are already there fighting to make the world a safe place in which to live. Some of the letters are full of sorrow, and others breathe a spirit of brightness and hopefulness. With my young friends I pray for an early and favorable restoration of peace and the safe return of our dear ones.

EDITING UNDER DIFFICULTIES. Just as we are about to go to press, the editor of the Paris edition of the Meccano Magazine writes me as follows: "The 'Kolossal' gun has been silent since Wednesday. Its last manifestation was felt a few yards away. A shell fell in the Faubourg Poissonnière just by the entrance to Rue Ambroise Thomas (quite near to the Paris offices of the Meccano Co.). We are getting nearly used to this kind of thing now, and our watchword is 'Carry On.'"

Of course it is, but just think, boys, of the excitement you'd get if the enemy were dropping big shells on your town promiscuously, every fifteen minutes!

The Editor

The Life Story of Meccano

By Frank Hornby

EVERY young healthy boy has hobbies, and I often think that the earnestness and thoroughness with which he pursues them is an index to the kind of man he will make when he grows up. It always gives me pleasure to see a boy following his hobbies with the greatest keenness, studying until he gets a thorough knowledge of them, and practising them until he is a thorough master of his games, because I know that when he grows up he will pursue his business in the same keen and thorough spirit.

It was a fortunate circumstance for me that I became interested in mechanics, and made my primitive workshop my hobby. I think that most boys commence their hobbies through some sort of accident, and the accident which got me interested in mechanics was the reading of a book which I had had given to me, containing the life stories of famous inventors, and the difficulties which they had encountered in working out their ideas before success crowned their efforts. I was very young at the time, and this was one of my first books, but nothing which I have read since has exercised such a fascinating influence over me. I wanted to invent like Watt, who discovered the power of steam; like Benjamin Franklin, who discovered electricity, and all the other heroes I was reading about, but, of course, boy like, I did not know where to begin.

... should have accomplished something very wonderful. I certainly should, but it did not take me very long to find out that I was attempting the impossible. Nevertheless, I got abundance of pleasure from making the attempt and if my experience brought me no other success, it at least taught me something of mechanics and engineering.

I have now forgotten most of my inventions, but among them was a toy submarine which, on being placed on top of the water and set going, submerged itself, and was propelled under water. It might have been more successful if I could have got it to come to the surface again of its own accord, but this is just what it failed to do.

My own little workshop at home was my paradise, where I spent many happy hours working out all kinds of ideas. I had not many appliances or tools at my disposal, and when I wanted a device which called for great accuracy I had to pay some one to make it for me, which I remember always made a big hole in my pocket money. Each little device which I invented I patented, and I never had time to feel disappointed over the failure of an invention, because I was always ready with the next and brimming with enthusiasm over it.

I went on in this way for many years, spending all my spare hours, happy as a lark in my little workshop, making all kinds of mechanical models to work by steam, electricity, or clockwork. There was no Meccano then, and I can tell you, boys, that I was hard put to it sometimes to devise and make some of the parts which I required. I often think now of the wonderful things I could have made if I had had a Meccano outfit in front of me to dip into when I wanted a new movement, and it is a firm conviction with me that it was the longing for an easier means of attaining the objects which I had in view in those days which set me thinking along the lines that finally resulted in the introduction of Meccano.

(To be Continued)

A New Meccano Manual

BOOK No. 2

Contains 100 new First Class Models
Ready early in September

This splendid new Manual illustrates a series of entirely new Meccano models, and it forms a fine addition to the Meccano system.

Book No. 2 does not replace the regular big Manual, which still goes with all outfits from No. 1 to 6, but it sells separately at 35c. Some of the models which it contains were designed by our own staff of skilled model-builders, who are experimenting with new parts and models all the time; others were suggested by men whose profession is engineering, and whose hobby is Meccano model-building; then again many of them are the pick of the hundreds of ingenious models sent in to compete for the big prizes in the various Grand Meccano Competitions.

Don't forget, boys, that the Manual which you get free with your outfit contains 326 models, and that Book No. 2 contains 100 more, making a total of 426. There are fun models which you can play games with, such as Roulette, Bagatelle, Box Ball Alley, Joywheel, Helter-Skelter, etc.,—engineering models which operate like real machinery; Cranes, Towers, Elevators, Transport Bridges, Looms for weaving, Automobiles with differential gears, clutch, etc.,—and a fine series of war models including Tanks, Cannon, Rapid-firing Guns, Search Lights and Periscopes. Book No. 2 can be had at your toy store or will be sent post paid for 35c if not at your dealer's.

Build
Meccano War Toys
WITH MECCANO

Meccano is best fitted of all building toys for the construction of tanks, machine guns, bombing planes and other war machinery, because Meccano building is true engineering.

Can You Write?

*Prove It and Walk
Away With a
Dandy Prize*

We often receive very interesting letters from enthusiastic boys telling us of the pleasure they derive from their Meccano outfits, and many of these letters show unusual literary merit. We believe it is a good thing for boys to learn to write well, and to express themselves clearly and intelligently, and we are, therefore, offering a prize of a No. 2 Meccano outfit for the best essay on "Meccano as a Toy", and a similar prize for the best essay on "Meccano as a help to the Study of Engineering". Essays should be written on one side of the paper only and should not consist of more than 500 words. There are no entrance fees and no conditions whatever, any user of Meccano being eligible as a competitor. If the essays show sufficient merit, we shall increase the number of prizes and hold further competitions. The closing date for both competitions is Dec. 31st, 1918.

Address clearly all envelopes containing essays as follows:

ESSAY COMPETITION

Meccano Co., Inc.

Bldg. No. 10, Bush Terminal

Brooklyn, N. Y.



Come On, Boys

Join the International Society of Meccano Engineers and Wear this Button

Show what you're made of. Prove that you have it in you to win real distinction. Don't be merely a boy. Be an unusual boy. Quick, now how many fellows' names can you call to mind without effort? Try it. They are the ones in your neighborhood who have really done things. Every little section of this big world has its distinguished ones and people look up to them.

Nothing enables you to distinguish yourself faster than to excel in building construction toy models. Others see what you have made and marvel at it. The best way to get started is to join the International Society of Meccano Engineers and work up through all three degrees. Engineer, Junior Engineer and Senior Engineer. We say "work" because no study (in a book sense) is needed. All you have to do is to build models.

It costs nothing to join, and you get a dandy button to wear; a Junior Engineer wears the button alone. When he becomes a Senior Engineer, then he adds the bar at the top. Besides the joy and pride of wearing these marks of merit, they are a big help in getting your first job. Here are the details; read them carefully.

Membership—To join, merely send your name and address to the International Society of Meccano Engineers, c/o Meccano Co., Inc., Bldg. No. 10, Bush Terminal, Brooklyn, N. Y. You will get acquainted with it and hear what other boys are doing. For six months you must continue to use a building outfit and do all you can by talking about the Society to increase its membership.

Junior Engineer Degree—A member who has been building at least 6 months may qualify for the degree of Meccano Junior Engineer. To obtain this degree you must write us a letter giving:
Full name and address,

Date you were registered as a member of the Society,

State what you know about Meccano and what you have done with it.

The degree is an award for genuine merit and will not be granted unless a member shows some real knowledge of toy engineering. That is why this degree is so greatly prized.

During the six months period of building you will have learned something of the history of Meccano and its inventor, and the names and uses of Meccano parts. You will also have learned the importance of the Meccano system of standardized strips and girders with holes $\frac{1}{4}$ inch apart. So, it will be easy to write us a letter telling all you know. In this letter add a list of the models you have built and any you may have invented. Be sure to write clearly and use one side of the paper only. As soon as you have been awarded the Engineer degree you will get a beautiful blue enamel button and a letter certifying that you have been admitted to rank in the Society.

Senior Engineer Degree—After you have obtained the first degree and have worn your button for six months and continued to use your building Outfit you have the possibility of obtaining a further honor called the "Senior Engineer Degree." You obtain a second certificate and a silver bar with the word "Senior" on it. The latter is to be worn above the blue enamel button. The two have been designed to match. The illustration above shows exactly how they go together.

To obtain the second degree, send full name and address, date on which you obtained the Junior Degree and what you have done to earn the higher rank. A Senior Engineer is supposed

to know something of the scientific value of Meccano, how different kinds of girders are built and to be able to recite the Meccano "standard details" given at the end of the Manual, and the scientific value of Meccano as illustrated in the March-April issue of the Meccano Engineer.

Address all applications for degrees to Board of Examiners, International Society of Meccano Engineers, Building 10, Bush Terminal, Brooklyn, N. Y.

"Over There"

We have received a letter from Mr. Frank Hornby, the President of Meccano Company, Inc., and inventor of Meccano, who is at present in Liverpool. Part of his letter we are printing, as we feel sure that it will interest every one of our readers. It is good to know that our boys "over there" are bearing themselves bravely. We are certain that the credit and honor of America are safe in their hands. Mr. Hornby writes:

"I have just witnessed one of the most inspiring and touching sights of my life, and I feel I must write and tell you of it. I have seen a line of your boys marching up from the city docks to the Central Station, on their way to France. That sight has given me food for much thought. It seems such a great and glorious thing that so many bright, happy-looking boys should so cheerfully leave their comfortable homes, shoulder their guns, and travel more than 3,000 miles to fight solely for an ideal, without one thought of personal gain. Over here we don't need any stiffening, we have been in the fight for nearly four years now, and we are marching surely, if slowly, towards the goal of democratic freedom, but it does hearten us up, it does send the blood surging through our veins, it does give us the strength to stand firm, it does give us the courage to take our stand by our side to fight with us, and die with us if need be, in the great and just cause which we have adopted.

The American boys who marched through Lord St. and Church St., Liverpool, this morning were fine fellows, each one tanned and tough, as though he had just returned from a camping-out holiday. They marched through an avenue of smiling faces, in which I am sure they read a welcome and the warmest wishes for their safety and success. I noticed a couple of girls leaning far out of a third-story window in a side street just off Church St. They were shouting a welcome, cheering and clapping their hands all the time the boys passed, and every officer and man looked up and waved or shouted back a greeting to them. The enthusiasm in the crowded streets was unbounded, and the boys appreciated it. This is almost a daily scene here, now, and the folks on this side are beginning to feel that they know and understand better the good that America stands for.

At the big new Adelphi Hotel and the London & North Western Hotel, I see in the public rooms naval and military officers whose set, square jaws, confident bearing, and look of serious purpose, mark them down as Americans, and I am sure they understand and appreciate the looks of admiration and approval which greet them on every side. In the streets and restaurants, the jaunty headwear of the American soldier and sailor are now familiar sights to us all, and, believe me, your American boys take to English social life as a duck takes to water. It would bring joy to the heart of every Meccano boy in America if he could only see how his big brother is bearing himself over here—happily and soberly, knowing the work that is before him and determined to do it with all his heart and soul."

Yours sincerely,

FRANK HORNBY.

LIST OF AWARDS IN THE GRAND MECCANO COMPETITION

A PERSONAL MESSAGE TO EACH COMPETITOR

It is always a real pleasure to me to go through the entries in our big Meccano Competitions, and this year has been no exception. There are not many models of outstanding interest this time, but there is a uniformity of merit, which pleases me much better. It shows me that Meccano boys are becoming more and more skilful in model-building and in inventing, and the increasing number of entries also shows me how the hobby is spreading both in this and in other countries. I have been able to select a large number of very excellent movements, many of which are illustrated in our new Manual, Book No. 2, which I strongly recommend you Meccano boys to get at once. Others are being perfected in our Model-making Department, and will appear in future editions of our Manuals. In fact, I may say that we have hundreds of new and beautiful models ready for the new Manuals as soon as they can be issued, and all you boys should watch carefully for them.

You will readily understand, I feel sure, that the many difficulties created by the war have

prevented us from making all the improvements which we should have liked, but our plans are well laid, and as soon as we are able to devote all our time and plant to the work, there will be some notable additions to Meccano which will add a hundredfold to your enjoyment of model-building. Even during the war we have much progress to record. When I remind you that in 1914 our Manual of Instructions contained 133 models only, whereas now we show 426, each one a complete and perfect toy, I think you will admit that we have much to be proud of.

As I write, the Allied Armies are fighting bravely against tremendous odds, and the future is not without anxiety. Meccano boys in this country, and in England, France and Italy, are leagued together in a common bond of sympathy, with eyes turned towards the battle fronts, their hearts full of confidence in our brave soldiers and sailors, who are fighting in the most righteous cause which has ever confronted nations in the history of the world. Thousands of Meccano

boys of all allied nationalities are fighting, or in some other way are taking their share in the great struggle, and my heart warms to them. Letters full of good cheer and confidence reach me daily from these boys, and it has been my happy lot to be able to lighten the dark days for many of them, and to cheer up many of the captive and wounded.

I wish I could tell you of the numerous ways in which Meccano has played its part in the great war, but this is a story which must wait until brighter days come and peace is restored. Within the last few days, I have received a communication from an inventor who has just been paid \$1,000 by one of the Allied governments for an invention worked out with Meccano parts, and this is only one of many similar incidents.

Prizes have now been despatched to the lucky winners in the Meccano Contest, and to all competitors, both winners and losers, I want to express my good wishes and to add the hope that I shall see their names in future Meccano Competitions.

Lucky Meccano Boys and the Prizes They Won

1st Cash Prize - - \$250.00

Divided between two competitors.

R. NEWTON, 65 Selwyn St., Leigh *Spinning Mule*
J. YEMM, 74 Caxelton St., Nelson *Debby Loom*

2nd and 3rd Cash Prizes - - \$75.00

Divided amongst four competitors.

C. M. FUSON, 18 Rue Ste. Hélène, Lyon *Steam Hammer*
R. MCKENZIE, 210 Lincoln Rd., Brooklyn, N. Y., U. S. A. *Subway Excavator*
E. C. HERBERT, 16 Harradon Rd., Aintree, Liverpool *Coaler*
T. PARKES, 2 Gawber Rd., Barnsley *Harmonograph*

4 No. 5 MECCANO OUTFITS

R. W. MERRICK, 3 Magdalen Road, Bath *Wire Testing Machine*
E. H. TOWER, 311 Broadway, New York City, U. S. A. *Battle Tank*
F. WHITE, 139 Victoria Road, Aston, Birmingham *Wire Covering Machine*
E. W. KIMBARK, 926 Michigan Ave., Evanston, Ill., U. S. A. *Electric Fan*

6 No. 4 MECCANO OUTFITS

A. JULLIEN, 9 Impasse des Changes, Chartres, Eure-et-Loire *Crane*
K. HORNER, Trimmingham, Burnley Rd., Halifax *Crimping Machine*
R. FIGGATT, 2298 Creston Ave., Bronx, N. Y., U. S. A. *Stage Coach*
T. A. BALL, 26 W. 76th St., New York City, U. S. A. *Ten Ton Truck*
E. H. GOODYEAR, 7 Bright St., Darlington *Spyrograph*
M. LALOE, 32 Rue Thiers, Cherbourg *Phonograph*

9 No. 2 MECCANO STORAGE CABINETS

F. WHITE, 1 Cheltenham Villas, Stanley Rd., Croydon *Eidograph*
F. YATES, 26 Market St., New Mills, Stockport *Clay Treater*
F. PICKETT, 29 Bartlemas Rd., Oxford *Typewriter*
E. H. BUCKINGHAM, School House, Frimley *Target*
S. THOMAS, Cricklewood, King Edward St., Merthyr Tydfil *Freetsaw*
C. F. LUMSDEN, Park View, Ross, Hereford *Spillmaker*
G. J. GREENSMITH, 60 Crosby Rd., West Bridgford, Notts. *Windspeed Measurér*
E. S. INCE, 32 Leighton Rd., West Ealing, London, W. 13 *Money Box*
W. B. GADD, "Edale", 115 Atwood Rd., Didsbury, M/c. *Grip Tester*

12 No. 3 MECCANO OUTFITS

P. BONIFAS, 12 Rue Lamarck, Paris *Clock*
W. F. IRELAND, "Clevedon", Hale Rd., Hale, Ches. *Boring Mill*
DANA YUNG KWAI, 3312 Highland Ave., Washington, D. C.,
U. S. A. *Disappearing Gun*
NEAL DOW, 17 Lincoln St., Exeter, N. H., U. S. A. *Coast Defense Gun*
E. G. BURTON, Impington Farm, Histon, Cambs *Drilling Machine*
F. DERGINT, 2 Rue Boulard, Paris *Copiograph*
H. PAYAN, 14 Rue Paixhans, Oran, Algeria *Gyroscopes*
M. GRAHAM, Hollingden, Woldingham, Surrey *Weighing Machine*
A. PUX, 54 Rue Madame, Paris *Metronome*
C. COLLINS, 1021 E. 49 Place, Los Angeles, Cal. *Submarine Chaser*
J. VERLINDEN, 27 Rue Germain, Lyon, Rhone *Sewing Machine*
L. B. EMERY, 928 Hoyt Ave., Saginaw, Mich., U. S. A. *Red Cross Wagon*

12 No. 1 MECCANO STORAGE CABINETS

G. CARTER, 45 Taylor St., Blackburn *Flying Boats*
W. LAND, Bank Bldgs., East St., Coggeshall *Milling Machine*
L. C. NORRIS, 70 Disraeli Rd., Forest Gate, London, E. *Platen Machine*
G. BARROWE, 10 Stones Rd., Epsom *Revolving Swing*
J. PICKIN, Earlsdon Ave., Coventry *Monoplane*
C. J. PAER, 45 Hazelbank Road, Catford, London, S. E. *Seaplane*

4th Cash Prize - - \$37.50

A. GRAWE, 10 Center St., Jamaica, N. Y., U. S. A. *Car Unloader*

5th Cash Prize - - \$25.00

HOTAUX, 6 Godfrey Rd., Newport, Mon. *Testing Machine*

6th Cash Prize - - \$12.50

L. BRUNET, 16 Rue Ste. Perpétue, Nîmes *Morse Typewriter*

L. M. HARRIS, Morfa Lodge, Eddisbury Rd., West Kirby, Ches. *Monoplane*
F. BOOTHROYD, T Z 11,472, H.M.T. Wm. Symons, Larne Harbour,
Ireland

W. E. WRIGHT, 23 Checketts Rd., Belgrave, Leicester *Breast Drill*
IRIS FENWICK, 71 Thornhill Rd., Handsworth, Birmingham *Bead Loom*
N. BARNARD, Thorpe, St. James Rd., Sutton, Surrey *Caterpillar Tractor*
S. S. HALL, "Glendon", College Rd., Epsom *Gun Wiring Lathe*

18 No. 2 MECCANO OUTFITS

G. DE CHAMBERET, 9 Rue de Prony, Paris *Circular Saw*
R. JENNE, Pont de Gland, Audincourt, Doubs *Planer*
F. FULLER, 6023 Winthrop Ave., Chicago, Ill.
U. S. A. *Suggested Improvements for Meccano.*

A. R. THOMAS, 32 Drayton Rd., London, W. 13 *Motor Plough*
J. J. PIERRE, Bishop's Court, Lixnaw, Co. Kerry *Hydrostatic Balance*
W. CLARKE, 69 Nasmyth St., Hammersmith, London, W. *Scales*
R. GALLOUIN, 16 Rue Rambuteau, Paris *Machine Gun*
R. NOVE, 66 Rue de la Charité, Lyon *Schlittleur*
B. YOUNG, 11 North Ave., Leicester *Improvements in Meccano Parts*

H. L. KNEEN, Emmetsburg, Iowa, U. S. A. *Drilling Machine*
J. BECKER, 205 Ward Ave., Tomkinsville, N. Y., U. S. A. *Panama Steam Shovel*
H. SCHALLER, Simsinawa, Wis., U. S. A. *Automatic Loading Bomb Thrower*
C. GRIFFITHS, 18 Fortune Green Rd., West Hampstead, London,
N. W. *Adding Machine*

J. PERRET, 3a Place d'Armes, La Chaux-de-Fonds, Switz. *Match Box Distributer*
P. LARRELESTIER, 1 Melrose Ave., Kirkdale, Liverpool *Grain Elevator*
P. BRUNEAU, 123 Rue de Séze, Lyon, Rhone *Balanced Bicycle*
J. LEROI, Rue des Orfèvres, Blois, Loir-et-Cher *Plough*
J. FABRE, Institution Ste. Marie, La Seyne, Var *Hydrocycle*

24 MECCANO WATER MOTORS

A. HOLMES, 11 Lester Rd., Chatham *Copying Machine*
S. DURKAN, 61 South St., Reading *Single Needle Telegraph Instrument*
R. V. STURGERS, 9 Coldharbour, Wendover *Distance Indicator*
E. MASON, 134 Manchester Rd., Denton, Manchester *Grain Elevator*
W. R. TROUT, 1 Beevor St., New Boutham, Lincoln *Electrical Jib Crane*
M. B. CROSS, 26 Biddulph Mansions, Elgin Ave., Maida Vale,
London *Electric Travelling Crane*

T. RIGNALL, 3 Tatton Rd., N., Heaton Moor, Stockport *Tipping Wagon*
F. HENDERSON, 66 St. Georges Rd., Bellevue, Johannesburg,
S. Africa

Two Stamp Battery
E. H. JONES, 106 Cheadle Old Rd., Edgeley, Stockport *Automatic Hammer*
P. N. ANSON, Meadow Hurst, Slinfold, Sussex *Transport Bridge*
W. DALTRY, 8 Malby St., Oldham *Drilling Machine*
B. SHIMWELL, 86 Normandy Ave., High Barnet *Boat Windlass*
R. C. TEMPLE, Prospect House, 86 Leigh Hill, Leigh-on-Sea *Gangway*
J. ROGERS, 2 College Grounds, Malvern *Weighing Machine*
R. HURST, 117 Arthur St., Birkenhead *Shipyard Bogy*

LIST OF PRIZE WINNERS (Continued)

L. RILEY, 208 Horsedge St., Oldham Reeling Machine
 S. MARTIN, 18 Avon Rd., Upper Walthamstown, London, E. Shell Riveting Machine
 A. F. HOWARD, 17 Priory St., Bedford Portable Hand Crane
 A. W. JONES, 15 Garage Cubicles, Graham White Aviation Co., Hendon Reversing Gear Box
 C. R. BOOTH, Mill Cottages, Barnham, Nr. Bognor Calf Cart
 G. E. HOBSON, 7 Reddish Vale Rd., Reddish, Stockport Auto Weighing Machine
 J. NORTHCOTT, 32 Bulstrode Rd., Hounslow, Middlesex Searchlight
 A. P. JAMIESON, 26a Castle St., Carlisle Tobacco Cutter
 A. STRADLING, 25 Jubilee St., Burnham-on-Sea Book Rest

18 No. 1 MECCANO OUTFITS

B. GARDNER, Mt. Carmel, Utah, U. S. A. Jig Dancer
 T. J. KAUFFELD, 47 Fort Washington Ave., New York City Battle Tank
 A. CAVANAGH, 102 Mozart St., Lodge Lane, Liverpool Spring Winder
 L. BAIRD, 36 Barbourne Rd., Worcester Sulky and Driver
 B. HONDOUS, Rue de Torcay, Dreux, Eure-et-Loire Salt Barometer
 F. MAILLE, 103 Avenue Carnot, Parc St. Maur, Seine Extending Candle Bracket
 A. H. TIDMUS, 4 Esme Rd., Sparkhill, Birmingham Market Gardener's Truck
 H. HARDIE, 4702 Chichester Ave., Richmond Hill, S. I., N. Y., U. S. A. Anti-Aircraft Gun
 G. STULTZ, 2327 Walton Ave., Bronx, U. S. A. Sea Crawler
 E. W. SMITH, 53 Clifton Rd., Southport Station Cart
 F. & L. BRUNET, 14 Rue Sta. Perpétue, Nîmes, Gard. Improvements in Meccano Parts
 W. L. JEPSON, 606 Halsey St., Brooklyn, N. Y., U. S. A. Auto Delivery Truck
 C. R. GRABFIELD, 4611 Grand Blvd., Chicago, U. S. A. Tank With Electric Motor
 R. ROWLAND, "Glenview", Wicklow, Ireland Vacuum Pump
 R. THOMAS, 3 King Edward Villas, Merthyr Tydfil Fire Stand

M. J. DESPOUCHES, Villa Roche-Close, Chamallières, Puy-de-Dôme Winged Rooster
 J. COURAUD, 130 Chemin de Pessac, Bordeaux, Gironde Mechanical Heron
 R. RODEN, 86 Wharf St., Burslem, Stoke-on-Trent Vegetable Chopper

24 No. 0 MECCANO OUTFITS

P. TURQUET, 14 Place Saint Venerand, Laval, Mayenne Turning Bridge
 P. BARNARD, Dockham Rd., Cinderford, Glos. Settee
 R. EMERSON, 3 Cawston Rd., Pitmoor, Sheffield Chair for Wounded Soldiers
 KAMMEKER, 24bis Ave. des Lumières, Arcueil, Cachan, Seine Aerial Telegraph
 J. CHOULET, 21 Ave. Flachet, Asnières, Seine Baby Carriage
 N. KLEIN, 353 Gardner Ave., Mt. Vernon, N. Y., U. S. A. Meccano Racer
 P. FEY, Oak Lane, Philadelphia, Pa., U. S. A. Motor Car Chassis
 A. W. BAMPFORD, 42 Ryhall Rd., Stamford Suggestions for Improvements in Meccano
 B. GUNTHER, 851 Fullerton Ave., Chicago, U. S. A. Military Defense Gun
 G. BOURRIER, 28 Rue de Lyon, Paris Drill
 R. JENSEN, 60 Rue de Verneuil, Paris Balance
 H. BOULOGNE, 27 Rue Baudin, Paris Target
 B. HUTCHINSON, Ault Hucknall, Rowthorn, Chesterfield Stretcher
 D. C. RAMSDEN, 257 Hyde Park Rd., Leeds Ellipsograph
 A. H. TIDMUS, 4 Esme Rd., Sparkhill, Birmingham Turnstile
 ENRICO ERNI, Via Nazionale, 30, Livorno, Italy Crane
 E. LEWER, 32 Gascony Ave., W. Hampstead, London Sighting Rule
 C. LEWIS, 1120 Parks Ave., Utica, N. Y., U. S. A. Cableway
 W. E. SHENK, 232 W. 21st St., Erie, Pa., U. S. A. Lighthouse
 P. J. ELSLEY, Willard, Utah, U. S. A. Marble Scenic Railway
 H. WORTHINGTON, Inchelium, Washington, U. S. A. Treadle Grindstone
 J. EUSTACHE, 8 Rue Gambetta, Pont Audemar, Eure Bobinoir
 R. B. PARSONS, Old Forge, N. Y., U. S. A. Yarn Winder
 D. C. HANSEN, 115 Spring Bank, Hull Electric Navy

MECCANO



Our Mail Bag

The Editor has a little talk in this column with his Meccano boys. Whether he has space to reply to them all here or not, he is always glad to hear from them. He receives hundreds of letters each day, and only those which deal with matters which are likely to interest other Meccano boys can be dealt with here.

Correspondents will help the Editor if they will write on one side of the paper only.

L. F. Spaller (Mrs.) Berkeley, Cal.—"Whenever my little son of seven gets what he calls 'hungry' for a new toy, he gets out his Meccano and goes to work. As a very busy mother, one who has talked to hundreds of mothers from the platform, and addressed many more in magazine articles to parents, I want to write and thank you in a personal way for furnishing an interesting and practical means of filling the playtime of boys with rare delight." It is a pleasure to receive so appreciative a letter from a mother, and especially from one whose profession fits her to judge so well. Why not write us a special article such as you refer to? We are quite sure that no one else could do it so well.

W. N. Ostrom, Ottawa, Can.—We have sent you the special instructions you require to build your model. Thanks for your suggestion to issue a special Manual on building a Meccano loom and weaving. It is a big subject, full of fascination, and no doubt, as you say, thousands of Meccano boys would be glad to have it. We will certainly give the matter consideration.

N. L. J., Batavia, Ill.—"It gives me great pleasure to state that furnishing my son with his Meccano outfit we found to be one of the very best investments that we have been able to make for him. The only difficulty experienced is to get him away from his planning and work long enough to give him the necessary food and rest." Yours is the kind of letter we like to receive, N.L.J. An eminent Engineering Professor once told us that he preferred Meccano boys in his office. They were fascinated with engineering from the start, and they had also learned habits of initiative and orderliness.

J. C., Fall River, Mass.—Don't worry because you are only a little Meccano boy. You are setting about to become a big useful Meccano man. Any toy store should be able to sell you Book No. 2 Manual of Instructions. If you have any trouble write us again.

H. S., Springfield, Mo.—"When I came here none of the boys knew much about Meccano, but I have wakened them up a bit. There are fourteen of us now, keen as a razor on Meccano, and we meet once a week to build new models."

You occupy a warm spot in our heart, H. S. You have a knack of gathering followers around you that may lead to great achievements some day.

W. L. C., Bayonne, N. J.—"I feel sorry for the boys who do not know what a corking hobby Meccano model building is." They do miss a whole lot of fun, W. L. C., but they are all coming in by degrees.

J. P., Morristown, Pa.—We like your letter and note your appreciation of the No. 0 outfit. No boy need hesitate because he can afford only a No. 0 or a No. 1. With the No. 0 you can build 78 models, and with the No. 1, 105 models; each is a winner with hours of fun in it.

V. D., Woonsocket, R. I.—Sorry we made such a mistake; we will call you "Miss" next time. We are always delighted to hear from Meccano girls. There are thousands of you, and a live brainy bunch you are, judging by your letters to us.

R. G. M., Portland, Me.—You will find illustrations and instructions for making the "Tank" model in the Meccano Manual Book No. 2. When you receive it, you will be well repaid for the money you have spent on it. You are quite right; the soldiers have given this new engine of destruction the name of "Crime de Menthe."

D. A. S., Syracuse, N. Y.—We enjoyed reading your letter and were very interested to know that your printing machine is fixed up with Meccano, that you made a horn for your bicycle with it, lamp shades, soldiers' forts, signalling apparatus, etc. We are also pleased to know that none of your friends will touch any imitation of Meccano.

E. W. A., Henderson, Ky.—"Last Christmas my mother promised me an Accessory Outfit if I passed my music exam, so you'd better believe I worked hard. I passed the exam, and got my outfit." A little while ago a Meccano boy wrote us that he had allowed the dentist to extract two of his teeth on a similar promise from his mother. You can always trust a mother for putting over a little stunt of this kind.

W. P. Eust, St. Louis, Ill.—It was real nice of you to ask us to come to your birthday party, but you are such a long distance away and there is so much to be done here that we are forced to decline with thanks. We hope you had a good time with your friends.

J. E., Stamford, Conn.—Why are some boys foolish? Of course, your friend was disappointed with his imitation outfit. Nothing but Meccano will make the fine models you mention. Now your friend will have to begin all over again. He ought to thank you for setting him on the right track.

M. A. T., Wilmington, Del.—"I'm only a girl. Do you think it will be possible for me to become an engineer?" It seems to us that women and girls are doing pretty much everything nowadays, and if you have enough perseverance we shouldn't wonder if you succeeded. We have heard of your famous uncle, and a fine engineer he was. It evidently runs in the family. Thanks for poetry on Meccano; the sentiment is first rate, and, as you say, it doesn't matter about the meter.

C. F. D. H., Cambridge, Mass.—"I am rather an old Meccano boy, being 44; but it may be of special interest to you to know that I am blind, nevertheless I find myself able to make models with Meccano, and it affords me pleasant recreation. Perhaps this information may show the world yet another use to which Meccano can be applied. I fear there will be many return sightless from the war." We know of some already, C. F. D. H., and unhappily there will be many more. You would be pleased to know how many blind people share with you the joys of Meccano building.

W. B., Grand Rapids, Mich.—"You will see that I have now joined the Army. I owe a great debt to Meccano. I attribute my position as Motor Cycle Mechanic to its having unearthed and developed my engineering abilities." We receive many letters like yours, and we are proud of the fact that so much knowledge acquired from Meccano is now being used in the Great Cause.

Special Notice

In future we shall only be able to send the Meccano Magazine to those who apply for it. The scarcity of paper, and especially news-print makes it imperative that we issue just the exact number of copies necessary, and only supply the live subscribers. You ~~must~~ had sufficient copies. ~~and~~ good the Meccano Magazine in New York it's up to you to keep it coming regularly. This you can do by sending 6c in stamps to pay for the next three issues. This will bring it postpaid as promptly as printed. Just 2c a copy pays for it and postage.

Subscribe today! Send your six cents to: Subscription Dept., Meccano Magazine, Building 10, Bush Terminal, Brooklyn, N. Y.

Prices of Meccano

Meccano Outfits		Accessories	
No. 00 Outfit	\$1.00	No. 00A Access'y Outfit	\$0.50
" 0 "	1.50	" 0A "	1.50
" 1 "	3.00	" 1A "	3.00
" 1x "	4.50	" 2A "	3.00
" 2 "	6.00	" 3A "	6.00
" 2x "	7.50	" 4A "	5.00
" 3 "	9.00	" 5A "	20.00
" 3x "	12.00	Inventors'	3.00
" 4 "	15.00	E1 Electric Motor	2.00
" 5 "	20.00	E2 "	4.00
" 5x "	25.00	Transformer	2.00
" 6 "	40.00	S1 Spring Motor	3.00

Each Meccano outfit is complete with all parts and tools necessary for building models. Full instructions are included and the youngest boy can commence to build at once without study. An accessory outfit may be purchased at any time enabling bigger and more interesting models to be built. Additional parts may also be purchased separately, at prices given in our published lists.

Remember that though boys play with Meccano for pleasure, and though they get more genuine fun from it than from any other toy, it also gives them a sound knowledge of engineering. Through playing with Meccano, many a bright boy has been started on a prosperous career in one of the most important and profitable professions—engineering and mechanics.