

In these columns we reply to suggestions regarding improvements or additions to the Meccano and Hornby Train systems. We receive many hundreds of such suggestions every week, and consequently we are able to publish only ideas that show particular interest or ingenuity. Suggestions submitted for consideration in this section must be written on separate sheets of paper and the name and address of the sender must appear on each sheet used. Envelopes should be addressed to "Suggestions," Meccano Ltd., Binns Road, Liverpool.

Suggested New Meccano Parts

LONGER COMPRESSION SPRINGS.—We were interested in your suggestion regarding the introduction of longer Compression Springs, but we do not think that your proposed part would have any great advantage over the existing Spring, No. 120b. The occasions on which it could be used would probably be rare. (Reply to D. Weston, London, N.10).

ably be rare. (Reply to D. W.
GRUB-SCREWS IN PULLEYS, ETC.—We have not
found many occasions where
it has been necessary to substitute Grub-screws for the
ordinary Set-screws supplied
in the majority of the Pulley
Wheels, etc. A better grip on
the axles can be obtained with
the Set-screws and on the few the axles can be obtained with the Set-screws and on the few occasions when their heads are likely to foul the adjacent mechanism, it is a simple matter to substitute a Grub-screw. (Reply to H. Hatch, Three Rivers, Ontario).

C O R N E R A N G L E
BRACKETS.—You will be interested to know that the new
Corner Angle Bracket may be
obtained in both right-hand
and left-hand types, as indicated in the special announcement on this page. (Reply to
S. Riley, Stowmarket).

CURVED ANGLE GIRDERS. CURVED ANGLE GIRDERS.

—Curved Angle Girders supplied in short lengths would have a limited application we fear, but we have noted your suggestion for further consideration at a later date. (Reply to A. Godder, Canterbury)

BRAKE BANDS.—We think that a special band for external contracting brakes is scarcely necessary, as the functions of such a part are easily covered by cords or even Meccano Strips. See the various types of brakes described under Section VI of the Standard Mechanisms Manual. (Reply to A. Godder, Canterbury): BRAKE BANDS .- We think Canterbury).

LUBRICATING CUPS.-We are very interested in your suggested oil cup for insertion in journal bearings formed from the bosses of Cranks or Meccano Wheels, etc. We agree that such an accessory would form a very attractive addition to many models, and we shall contract the contraction of the very careful consideration. Meanwhile

attractive addition to many models, and we shall give the idea very careful consideration. Meanwhile, we may point out that where bearings of the type indicated above are used, the threaded bores of the Cranks, etc., form useful receptacles to receive the oil. These receptacles may be closed after the oil is applied by screwing a Handrail Support or other similar part into the threaded bore. (Reply to S. Holyoak, Coventry).

CORRUGATED PLATES.—We agree that the addition of corrugated steel plates to form roofs for cranes and similar models would prove very effective, but we fear that such accessories would not conform with the existing Meccano system. (Reply to A. Custance, Woodbridge).

NEW DOUBLE ANGLE STRIPS.—We will give further consideration to the question of introducing 1"x\frac{1}{2}" and 1"x1" Double Angle Strips. (Reply to D. H. Williams, Ipswich).

TRIPLE-ANGLE STRIPS.—We note your suggestion regarding a part resembling a Double Angle Strip bent at right angles at its centre. We fail to see that such a part would be of much use, however. Two Double Angle Strips bolted together would fulfil the same functions admirably. (Reply to J. Stephens,

Edinburgh).

LAMP HOLDER.—We were interested in your suggested new lamp holder, consisting of a screw holder, to take standard 4-volt bulbs, on a shaped metal base. We think, however, that in most cases the existing Meccano Lamp Holder (part No. 310) can be used in place of your proposed accessory. (Reply to J. Martin, Glasgow).

LONGER WINDING KEY.—We note your suggestion re a longer winding key for the Clockwork Motor, but we do not think that much advantage would accrue from its adoption.

By the exercise of a little ingenuity the Motor can, in most cases, be put in an easily accessible position on the model. (Reply to P. Hollings, Northchurch, Herts.)

NEW REVERSED ANGLE BRACKETS.—Your proposed 1"x\p'"x\p'" Reversed Angle Bracket is interesting but bardly worth while including in the Meccano system as a new accessory. We think that you should find it a simple matter to contrive such a part from the existing Reversed Angle Bracket with the addition of a Flat Bracket botted rigidly in the desired position. (Reply to A. Jones, London, N.W.1).

NEW DOUBLE ANGLE STRIP.—A 1½"×1" Double Angle Strip may easily be built up from existing parts. Two 1"×½" Angle Brackets bolted securely to a 1½" Strip should serve the purpose admirably. (Reply to P. Graham, Avening, Glos.)

WIRE STAYS .- We are very WIRE STAYS.—We are very interested in your suggestion that wire rods should be manufactured in different lengths for use as stays in roofs of buildings, such as stations, etc., and in bridges, aeroplanes, and similar models. We will bear the idea in mind. (Reply to N. S. Dunn, Kingston)

MECCANO TOOL.—We have noted your ideas concerning a Meccano tool of circular or a Meccano tool of circular or square section, for use in model machine tools. We are keeping a careful record of all suggestions bearing on this subject, and later we shall be able to judge as to the advisability of introducing such a part into the Meccano system. (Reply to A. Staveley,

MECCANO MOTOR IMPROVEMENT.—We have noted your suggestion regarding the extension of the Meccano Electric Motor armature spindle through both side plates of the Motor. We hope to adopt this idea in the near future. (Reply to E. Rawlings, Westmount, Canada).

NEW FLAT PLATES.—We are not in favour of your proposal regarding the supply of Flat Plates 1½" in width and in various lengths, for these parts could easily be built up from existing accessories, such as Flat Girders. (Reply to D. Williams, Ipswich).

DISCS FOR MOTOR CAR WHEELS.—Your proposed disc, specially shaped to fit on to the 3° Pulley Wheels when the latter are used as motor car wheels, is scarcely suitable as a Meccano accessory, since its uses would be very limited. (Reply to A. Custance, Woodbridge).



The new parts shown above are the latest additions to the Meccano system. They make possible the construction of numerous new models and should improve the appearance and operation of many of the existing models. The particulars of the parts are as follows:—

No. 20b, Flanged Wheels, \(\frac{3}{2} \) diam., price 4d. These may be used as travelling wheels in all models that are required to run on rails, but they are particularly suited for use as bogic wheels in locomotives, etc. In addition they are designed to fit over the end of the Sleeve Piece (part No. 163) to form a complete cylinder unit. They also form excellent belt pulleys, especially if two are butted together on an Axle.

No. 116a, Fork Piece, small, price 3d. This part is designed for pivotal connections between Rods and Strips. Owing to its smaller design it lends itself to adaptations not possible with the existing Fork Piece (part No. 116). For example, it forms an excellent bearing for a \(\frac{1}{2} \) loose Pulley for use in connection with electric trolley arms, etc.; the Pulley should be journalled on a \(\frac{1}{2} \) Bolt passed through the Fork, and the boss of the latter should be secured to the end of a convenient Axle Rod.

a ½" Bolt passed through the Fork, and the boss of the latter should be secured to the end of a convenient Axle Rod.

No. 138a, Ship's Funnel, Cunard Type, price 6d. This part is of different design from the existing Ship's Funnel (part No. 138) and is designed primarily for use in model liners and other Meccano vessels. It is oval in shape, raked, and is fitted with a miniature steam pipe. It is enamelled red with black top, after the pattern adopted by the famous steamship line. No. 154b, Corner Angle Bracket, left-hand, price 6d. per half dozen. This is a companion part to the Corner Angle Bracket illustrated in the October "M.M.," and like that part, is designed for use in cases where two ½" ½" Angle Brackets bolted together would prove either too cumbersome or insufficiently rigid. The bracket previously announced will be known as the "right-hand" type and will bear the number 154a instead of 154.

No. 163, Sleeve Piece, price 6d. per pair. This part measures 1¾" in length by ½" in diameter. Fitted with a ½" Flanged Wheel at each end, it forms an excellent cylinder. Two or three Sleeve Pieces may be used to build up a chimney or length of hollow shafting, etc.

No. 164, Chimney Adaptor, price 2d. This is in the form of a small cylinder closed at one end except for a hole of standard size, with the aid of which the adaptor may be bolted to any Meccano part. This accessory forms a suitable chimney for model locomotives, etc.

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LARGE FLANCED PLATES.—The uses of your suggested large Flanged Plate with flanges formed on the ends only are covered already by the Plates already included in the Meccano system. We do not think that we should be justified in bringing out such a part as you suggest. (Reply to D. Weston, London, N.10).

HOLES IN LARGE BEVEL GEARS.—You will be interested to know that since our announcement in the October "M.M.," it has been decided to include eight holes in the face of the 14" Bevel Gear (part No. 30c). This improvement will increase the adaptability of the part to a considerable extent, as you point out. (Reply to P. Graham, Avening, Glos.)

RATCHET SPANNER.—We were very interested in your proposed ratchet spanner. It is certainly a very good idea but we fear that it would be rather difficult and expensive to manufacture. We find that the present type of spanner is suitable for all the requirements likely to arise in Meccano model-building. (Reply to D. Davies, Cwngwrack, Glam.)



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MECCANO Ships' Funnels

The realistic Ship's Funnel, Cunard type, introduced recently, has proved so extremely popular that we have decided to introduce 24 additional funnels representing those of nearly all the principal Shipping Companies. Four of the new funnels are described below and in subsequent issues of the "M.M." we propose to deal similarly with the others in the range.

The Meccano Ships' Funnels are raked and are provided with two perforated lugs by means of which they may be bolted to any Meccano Strip or Plate. They are all beautifully enamelled and finished.

Price 9d. each



138g White Star Line. Buff funnel. Broad black band at top.

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King Line Ltd.
Shaw Savill & Albion Co. Ltd.



No. 138w
Moss Line
Black funnel with broad
white band.

Also representative of the following:

American Line.
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Stephenson Clark & Co. Ltd.
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No. 138b
Isle of Man S.P. Co. Ltd.
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MECCANO

Ships' Funnels

In the November "M.M." we announced the introduction of 24 ships' funnels representing those of nearly all the principal Shipping Companies. Four of the new funnels were

illustrated and described in page 888 of that issue.

Details of a further group, composed of seven funnels, are given below. In some cases the funnels represent more than

one shipping line and we have indicated the names of these.

The Meccano Ships' Funnels are raked and are provided with two perforated lugs by means of which they may be bolted to any Meccano Strip or Plate. They are all beautifully are alled and faithed. fully enamelled and finished.

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Donald & Taylor.
Duncan, J. T. & Co.
Dundalk & Newry, S.P. Co. Ltd.
Dunlop, Thos. & Sons.
Eastern & Australian S.S. Co. Burdick & Cook.

No. 138z British & Irish S.P. Co. Ltd. Green Funnel. Broad black band at top.



No. 138k Lamport & Holt Blue funnel. Broad black band at top with broad white band immediately beneath.

Also representative of Jas. Cormack & Co.

General Steam Nav. Co. Ltd.
Gibson-Rankine Line.
Glover Bros.
Henderson, P. & Co.
Hudson, R. N. & Son Ltd.
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Kyle Transport Co. Ltd.
Miller, Wm. S. & Co.
Mogul Line.
Morgan & Cadogan Ltd.
Murphy, Michael Ltd.
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Pickard, A. W. & Co.
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Shamrock Shipping Co. Ltd.
Southern Railway Co. (South
Eastern & Chatham Section).
Stott, W. H. & Co. Ltd.
Summerfield Steamship Co. Ltd.
Watts, Watts & Co.
Welsford, J. H. & Co. Ltd.
Woods, Tyler & Brown.

No. 138r Brussels S.S. Co. Yellow funnel. Black band at top with red and green bands round middle.



No. 138u Yeoward Line. Black funnel. Yellow hand above middle flanked by two red bands.

Black

funnel

Essex Line Ltd. General Steam Nav. Co. Ltd. Gibson-Rankine Line.



No. 138q Clan Line. Black funnel with two red bands above

middle. Also representative of W. R. Davies Steamers.



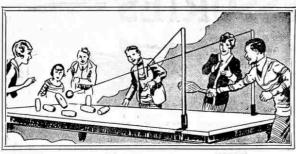
No. 138f

Alfred Holt & Co.

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MECCANO

Ships' Funnels

The new range of Meccano Ships' Funnels has become extremely popular with Meccano model-builders. There are 25 funnels in the series representing those of nearly all the principal Shipping Companies. Eleven of the funnels have already been illustrated and described, four in the November 1929 issue and seven in the January 1930 issue of the "M.M."

Details of a further group, composed of seven funnels, are given below. In some cases they represent more than one shipping line and the names of these are indicated.

The Meccano Ships' Funnels are raked and are provided

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138T Canadian Pacific S.S. Co.



Buff funnel

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John Hall, Junr. & Co. Ltd.
Joseph Constant.
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MacAndrews' Line.

Orient Line (Anderson, Green & Co. Ltd.).
Pacific S.N. Co.
Garth Shipping Co. Ltd. (H. Clapham & Co. Ltd.).
Asiatic S.N. Co. Ltd.
Eastern Telegraph Co. Ltd.
Eastern Greig & Co.
New Zealand Shipping Co.



No. 138Y
Furness Line.
Black funnel.
Broad red band
round middle with
narrow black and
red bands immediately above.



No. 138A
Cunard S.S. Co.
Red funnel. Broad
black band round
top with three thin
black bands round
middle.



No. 138V

A. Coker & Co.
Ltd.

Blue funnel. Broad
black band at top
with narrower
white band below.



No. 138C
T. & J. Harrison.
Black funnel. Red
band flanked by
two white bands.

Also representative of the following:— Alf. Rowland & Co. John Harrison Ltd.



No. 138L Manchester Liners Ltd. Orange funnel,

Orange funnel, Broad black band at top and narrower black band round middle.

Also representative of the following:— Whimster & Co. Joseph Constantine S.S. Ltd.



No. 1388
Union Castle Mail
S.S. Co. Ltd.
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black band round
top with thin black
band round middle.

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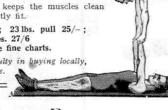
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MECCANO

Ships' Funnels

The new range of Meccano Ships' Funnels has become extremely popular with Meccano model-builders. There are 26 funnels in the series representing those of nearly all the principal Shipping Companies. Eighteen of the funnels have already been illustrated and described in the "M.M.," four in the November 1929 issue and seven in each of the January and February 1930 issues.

Details of the final group, composed of eight funnels, are given below. In some cases they represent more than one shipping line and the names of these are indicated.

The Meccano Ships' Funnels are raked and are provided

with two perforated lugs by means of which they may be bolted to any Meccano Strip or Plate. They are all beautifully enamelled and finished.



No. 138 I

Holland America Line. Buff funnel. White band round middle flanked by two green bands.



No. 138X

Leyland Line. Pink funnel. Broad black band round top.

Also representative of the following:— Bibby Bros & Co. Haldin S.S. Co. J. Hay & Sons Ltd.



No. 1380

Aberdeen, Newcastle & Hull Steam Co.
Black funnel with two narrow white bands. Also representative of the following:— British India S.N. Co. Ltd. West Australian S.N. Co. Ltd.
Evan Thomas Radcliffe & Co.
Sharp S.S. Co. Ltd.



No. 138N

Southern Railway, London, Brighton & South Coast Section. White funnel. Broad black band round top.

Also representative of the following :— Burmah Oil Co. Ltd. London & North Eastern Railway (Gt. Central Section, Grimsby). James Westoll. James Mitchell & Sons.

Dover Navigation Co. Ltd.

British & Continental S.S. Co. Ltd.





No. 138M

London & North Eastern Railway Co. Red funnel. Broad black band round top and narrow white band immediately below.

Also representative of the following:—

Sutcliffe & Co. Ltd. Chr. Salveson & Co., Leith. Wilson's, & North East-ern Railway Shipping Co. Ltd.



No. 138P

Nelson Line. Nelson Line.
Red funnel. Broad black
band at top with three
narrower bands (black
band and two white
b a n d s)? immediately
below.



Ellerman Line. Ellerman Line.
Buff funnel. Broad black
band at top with narrower
white band immediately
below. The latter is
divided from the main
buff portion by a thin
black band.

Also representative of the following: the following:—
Ellerman City Line.
Ellerman Hall Line.
Ellerman Papayanni Line
Ellerman Lines Ltd.
(Westcott & Laurance
Line Ltd.)



No. 138D

United States Lines. Red funnel. Broad black band at top with white band of same width immediately below.

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