

New Outfit Models

Gantry Crane—Tricycle—Motor Car—Aircraft Carrier

THE chief feature of the four new models described this month is their variety. They range from an aircraft carrier and a small motor car, built from Outfits Nos. 1 and 2 respectively, to a realistic model of an ice cream tricycle and a splendid gantry crane. The ice cream tricycle requires an Outfit No. 4 for its construction, while the gantry crane can be built from an Outfit No. 7 or one larger.

The model aircraft carrier is shown in Fig. 1. Each side of the hull consists of two $6\frac{1}{2}$ " compound strips built up from $5\frac{1}{2}$ " and $2\frac{1}{2}$ " Strips, which are fastened together by Flat Brackets. The sides are joined by $\frac{3}{8}$ " Bolts at the forward end, and the flight deck is fastened to them by Angle Brackets inside the hull.

The deck is formed by two $5\frac{1}{2}$ " \times $1\frac{1}{2}$ " Flexible Plates overlapped two holes, and at one side of it two Double Angle Strips are fitted by a Reversed Angle Bracket to form the base of the island superstructure. The Reversed Angle Bracket also supports two Angle Brackets that represent the bridge. A Flat Bracket is fastened to the top of the superstructure by an Angle Bracket to form a support for the $3\frac{1}{2}$ " Rod that is used for the mast.

Parts required to build model aircraft carrier: 4 of No. 2; 4 of No. 5; 2 of No. 10; 7 of No. 12; 1 of No. 16; 1 of No. 17; 3 of No. 22; 26 of No. 27a; 28 of No. 37b; 2 of No. 48a; 2 of No. 111c; 1 of No. 125; 2 of No. 126; 2 of No. 189.

The chassis of the simple model two-seater motor car shown in Fig. 2 consists of two $5\frac{1}{2}$ " Strips 1, which are joined at their rear ends by a $2\frac{1}{2}$ " \times $\frac{1}{2}$ " Double Angle Strip. Two $2\frac{1}{2}$ " Strips 2 are bolted to each Strip 1 to form the supports for the sides and the roof of the car.

The rear side of the car is built up from a $5\frac{1}{2}$ " and a $2\frac{1}{2}$ " Strip together with a $2\frac{1}{2}$ " \times $\frac{1}{2}$ " Double Angle Strip, while the side not seen is similar except that the Double Angle Strip is replaced by Flat Trunnion 4. A $2\frac{1}{2}$ " \times $1\frac{1}{2}$ " Flexible Plate fixed in position by two Trunnions 3 is used for the top of the bonnet and the radiator is represented by a Flat Trunnion attached to the sides of the car by two Angle Brackets.

The roof of the body consists of two $2\frac{1}{2}$ " \times $2\frac{1}{2}$ " Flexible Plates curved to shape and fastened by Angle Brackets to two $2\frac{1}{2}$ " Curved Strips, which are secured to the upper ends of $2\frac{1}{2}$ " Strips 2.

Parts required to build model two-seater motor car: 4 of No. 2; 6 of No. 5; 2 of No. 10; 6 of No. 12; 2 of No. 16; 1 of No. 17; 4 of No. 22; 1 of No. 23a; 2 of No. 35; 40 of No. 37a; 38 of No. 37b; 2 of No. 38; 2 of No. 48a; 2 of No. 90a; 1 of No. 111c; 2 of No. 126; 2 of No. 126a; 4 of No. 155a; 1 of No. 186; 1 of No. 188; 2 of No. 190; 1 Magic Motor (not included in Outfit).

Construction of the ice cream man and his tricycle shown in Fig. 3 is commenced with the ice cream

container. The top of this consists of a $5\frac{1}{2}$ " \times $2\frac{1}{2}$ " Flanged Plate, to each of the longer flanges of which a $5\frac{1}{2}$ " \times $1\frac{1}{2}$ " Flexible Plate is bolted. One of the $5\frac{1}{2}$ " \times $1\frac{1}{2}$ " Flexible Plates is extended downwards by a $5\frac{1}{2}$ " \times $2\frac{1}{2}$ " Flexible Plate to form one side of the container, but to the other are bolted two $2\frac{1}{2}$ " \times $2\frac{1}{2}$ " Flexible Plates so that a space is

left for the winding shaft of a No. 1 Clockwork Motor. The latter is bolted direct to the flange of the $5\frac{1}{2}$ " \times $2\frac{1}{2}$ " Flanged Plate. The lower edges of the $5\frac{1}{2}$ " \times $2\frac{1}{2}$ " Flexible Plate and the two $2\frac{1}{2}$ " \times $2\frac{1}{2}$ " Flexible Plates are braced by $5\frac{1}{2}$ " Strips.

The front and rear of the container are each formed by a $2\frac{1}{2}$ " \times $1\frac{1}{2}$ " and a $2\frac{1}{2}$ " \times $2\frac{1}{2}$ " Flexible Plate and a $2\frac{1}{2}$ " Curved Strip, all of which are bolted to the end flanges of the Flanged Plate and also are attached to the sides of the ice cream container by two

$2\frac{1}{2}$ " \times $\frac{1}{2}$ " Double Angle Strips.

The front Road Wheels are locked on a $3\frac{1}{2}$ " Rod that is journaled in two Flat Brackets bolted to the sides of the container. The Rod carries at its centre a 1" Pulley, which is connected by a $2\frac{1}{2}$ " Driving Band to the driving shaft of the Motor.

The lower frame of the tricycle consists of two $5\frac{1}{2}$ " Strips. The latter are bolted at their forward ends to a Double Bracket that in turn is secured by a lock-nutted bolt to the centre hole of a Double Angle Strip fastened

between the sides of the container. A pair of 3" compound strips, each consisting of two $2\frac{1}{2}$ " Strips overlapped four holes, are used for the rear forks, and they are mounted on the two $5\frac{1}{2}$ " Strips by a 2" Rod that forms the axle for the rear wheel. Two $3\frac{1}{2}$ " Strips are mounted on a $1\frac{1}{2}$ " Rod passed through the sixth hole from the forward ends of the $5\frac{1}{2}$ " Strips. The upper ends of the $3\frac{1}{2}$ " Strips and those of the 3" compound strips are bolted to the lugs of a Double Bracket. Two Flat Trunnions are fastened to the Double Bracket to represent the saddle. One end of

the $1\frac{1}{2}$ " Rod carries a Bush Wheel and at the other end is a 1" Pulley that is connected to another 1" Pulley on the rear axle.

The illustration shows how the ice cream man himself is built up and secured on the saddle by means of an Angle Bracket. The $2\frac{1}{2}$ " Strips forming his legs are fastened together by lock-nutted bolts. One of his feet is attached to the Bush Wheel and the other to an Angle Bracket bolted to the boss of the 1" Pulley on the $1\frac{1}{2}$ " Rod, so that as the model runs along the floor his feet move up and down realistically, as if he were pedalling.

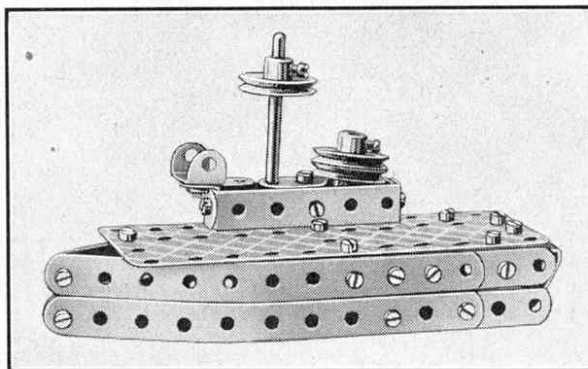


Fig. 1. A simple but effective model of an aircraft carrier built from Outfit No. 1.

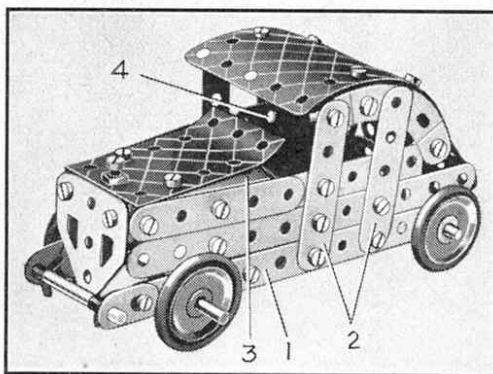


Fig. 2. A Meccano two-seater coupé driven by a Magic Motor.