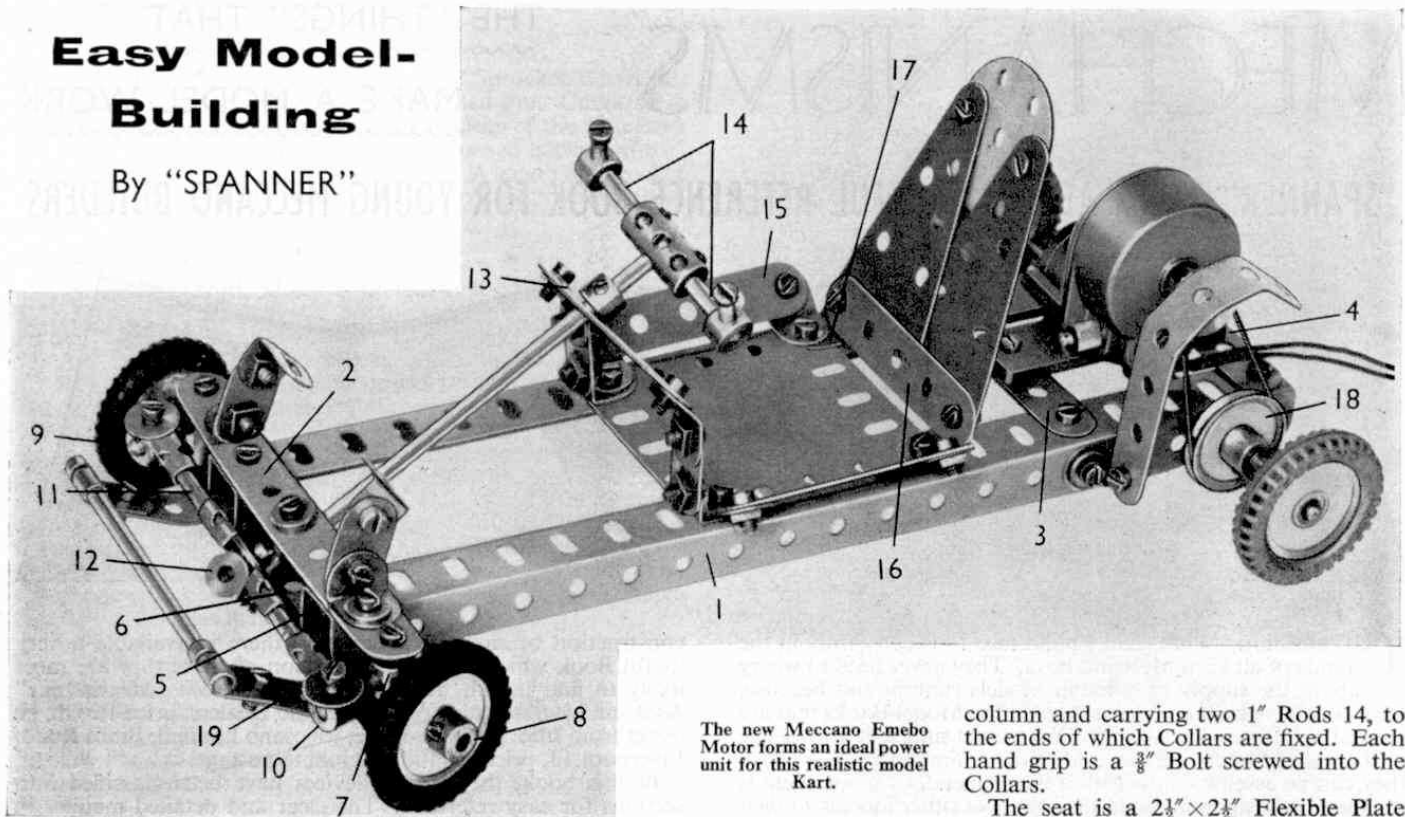


# Easy Model-Building

By "SPANNER"



The new Meccano Emebo Motor forms an ideal power unit for this realistic model Kart.

IN view of the popularity of Karting in this country today a typical Kart has been chosen as the subject for our simple new model

Couplings and on this a 1" Pulley with boss fitted with Tyre is placed. The Pulley is free on the Rod and is held in position by a Collar 8.

A further 1" Rod 9 is fixed in the higher

column and carrying two 1" Rods 14, to the ends of which Collars are fixed. Each hand grip is a  $\frac{3}{8}$ " Bolt screwed into the Collars.

The seat is a  $2\frac{1}{2}$ " x  $2\frac{1}{2}$ " Flexible Plate edged along each side with  $2\frac{1}{2}$ " Strips 15 bolted to Obtuse Angle Brackets. Two  $2\frac{1}{2}$ " x  $1\frac{1}{2}$ " Triangular Flexible Plates joined at the top by a 6-holed Wheel Disc and at the bottom by a  $2\frac{1}{2}$ " Strip 16, form the seat-back, which is connected to the seat itself by Angle Brackets 17.

The rear axle is a  $5\frac{1}{2}$ " Rod that carries a 1" Pulley with boss 18 and the rear wheels, which are 1" Pulleys fitted with Tyres. The Pulley 18 holds the axle in place in the chassis on one side whilst a Collar serves the same purpose on the other.

The Emebo Motor is fixed on Strips 3 and 4 by bolts passed through their centre holes, and the drive is taken from the Motor to Pulley 18 by a  $2\frac{1}{2}$ " Driving Band. A "chain case" is made from a  $3\frac{1}{2}$ " Strip, bent as shown, and joined to Angle Girder 1 by an Angle Bracket.

The accelerator and brake are each represented by an Angle Bracket, to which is joined a Fishplate and another Angle Bracket, bolted to the Strip 2 as shown in the illustration.

The front bumper is a  $3\frac{1}{2}$ " Rod held in two Right-Angle Rod and Strip Connectors, which are connected to Strip 6 by  $1\frac{1}{2}$ " Strips 19.

*Parts required to build the Meccano Kart:* 5 of No. 2; 2 of No. 2a; 1 of No. 3; 1 of No. 8a; 4 of No. 10; 2 of No. 11; 10 of No. 12; 6 of No. 12c; 1 of No. 14a; 1 of No. 15; 1 of No. 16; 2 of No. 18a; 6 of No. 18b; 5 of No. 22; 1 of No. 24c; 43 of No. 37a; 45 of No. 37b; 8 of No. 38; 8 of No. 59; 2 of No. 63; 2 of No. 63d; 1 of No. 90a; 3 of No. 111c; 4 of No. 142c; 1 of No. 190; 4 of No. 212; 2 of No. 212a; 2 of No. 221.

## A KART DRIVEN BY EMEBO MOTOR

this month. The model is ideal for driving with the Meccano Emebo Motor as this can be supplied with current from a battery, enabling the model to be self-contained.

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The chassis of the Meccano Kart illustrated above consists of two  $9\frac{1}{2}$ " Angle Girders 1 joined together by a  $4\frac{1}{2}$ " Strip 2 and two  $2\frac{1}{2}$ " Strips 3 and 4. The bolts fixing Strip 2 to the Angle Girders 1 hold also a Double Bracket 5, and to the other lug of these a further  $4\frac{1}{2}$ " Strip 6 is bolted. Through each of the holes of the Strips 2 and 6 a bolt is fixed, with the nut on the inside. A Short Coupling 7 is fixed between each pair of bolts and is allowed to swivel on their shanks. A 1" Rod is fixed tightly in the lower transverse holes of the

transverse holes and on the end of this is a Collar 10 with one of its threaded holes uppermost. A Rod and Strip Connector, carrying a  $1\frac{1}{2}$ " Rod 11, is supported loosely on a bolt screwed into this hole. The other ends of the Rods 11 carry a Rod and Strip Connector also, and these are connected to a Coupling 12 by a  $\frac{3}{8}$ " Bolt held in its upper transverse hole. In the lower transverse hole a 5" Rod, forming the steering column is mounted loosely. It then passes through an Angle Bracket bolted through the centre hole of Strip 2, and also through a  $2\frac{1}{2}$ " Stepped Curved Strip 13 joined to each Angle Girder 1 by an Obtuse Angle Bracket, a Fishplate and an Angle Bracket as shown. The Rod is held in place by a Collar.

The steering "handle bar" is made up from a Coupling attached to the steering