

# Easy Model-Building

## Spanner's Special Section for Juniors

ONE of my two new models this month is an attractive Motor Coach that should delight those who have an Outfit No. 2 and a *Magic* Motor. For model-builders with an Outfit No. 3 or one larger, there is a working Windmill, which is also fitted with a *Magic* Motor as the power unit.

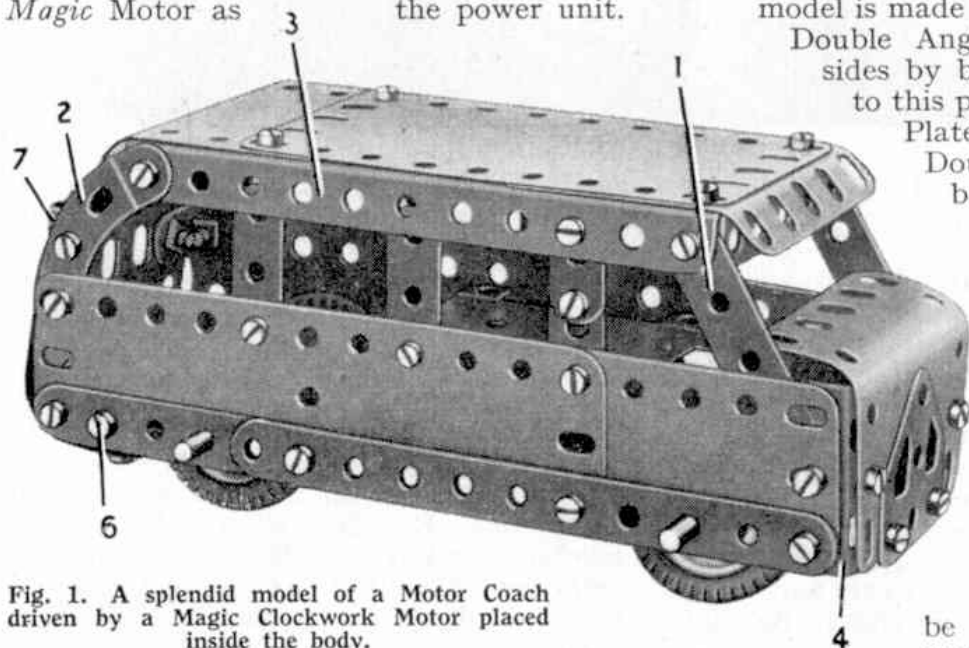


Fig. 1. A splendid model of a Motor Coach driven by a *Magic* Clockwork Motor placed inside the body.

Let us start with the Motor Coach, which is seen in Figs. 1 and 2 on this page. Each side of the Coach is formed by a  $5\frac{1}{2}'' \times 1\frac{1}{2}''$  and a  $2\frac{1}{2}'' \times 1\frac{1}{2}''$  Flexible Plate. These Plates are strengthened along their lower edges by two  $5\frac{1}{2}''$  Strips overlapped seven holes. A  $2\frac{1}{2}''$  Strip 1 is fixed at an angle to the front end of each side, and a  $2\frac{1}{2}''$  Stepped Curved Strip 2 is bolted to the rear end. A  $5\frac{1}{2}'' \times 2\frac{1}{2}''$  Flanged Plate 3 is supported by the Strips 1 and the Curved Strips 2 of the sides, and the window frames on each side are

represented by two  $2\frac{1}{2}''$  Strips and two Fishplates bolted together.

The front of the Coach is made by bolting a Trunnion 4 to each side, and to these Trunnions is fixed a  $2\frac{1}{2}'' \times 2\frac{1}{2}''$  Flexible Plate curved as shown and fitted with a Flat Trunnion. The rear end of the model is made by attaching a  $2\frac{1}{2}'' \times \frac{1}{2}''$

Double Angle Strip between the sides by bolts 6 and then fixing to this part a U-section Curved Plate 5. A further  $2\frac{1}{2}'' \times \frac{1}{2}''$  Double Angle Strip 7 is bolted between the Curved Strips 2.

The roof is completed by bolting a  $4\frac{1}{2}'' \times 2\frac{1}{2}''$  Flexible Plate, a  $2\frac{1}{2}'' \times 2\frac{1}{2}''$  Flexible Plate and a  $1\frac{1}{8}''$  radius Curved Plate to the Flanged Plate 3.

If a *Magic* Clockwork Motor is available it can be bolted by its lugs to one side of the model (see Fig. 2), and its pulley connected by a Driving Band to a  $\frac{1}{2}''$  Pulley on the rear axle.

Parts required to build the Motor Coach: 4 of No. 2; 6 of No. 5; 4 of No. 10; 2 of No. 12; 2 of No. 16; 4 of No. 22; 43 of No. 37a; 40 of No. 37b; 4 of No. 38; 2 of No. 48a; 1 of No. 52; 2 of No. 90a; 3 of No. 111c; 2 of No. 126; 1 of No. 126a; 4 of No. 142c; 2 of No. 188; 2 of No. 189; 2 of No. 190; 1 of No. 191; 1 of No. 199; 1 of No. 200; 1 *Magic* Clockwork Motor.

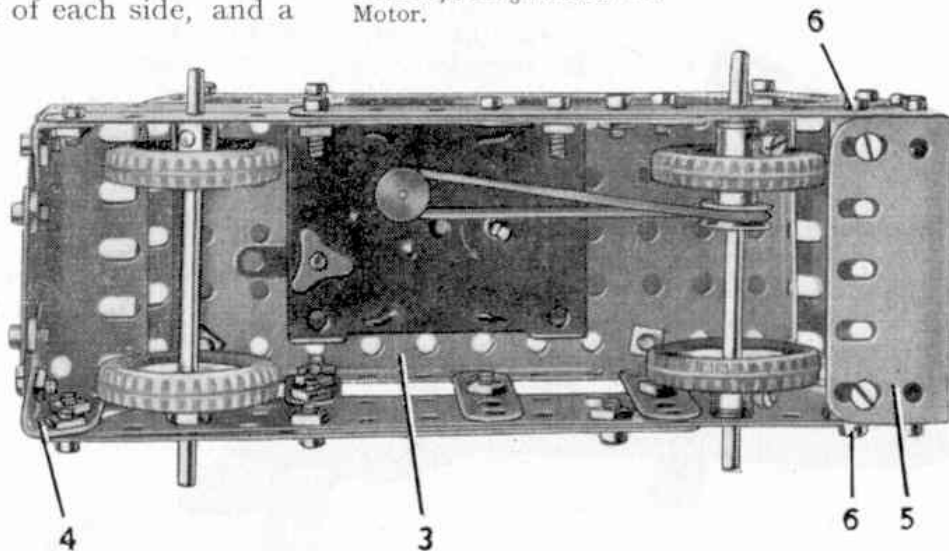


Fig. 2. This picture of the Motor Coach shows how the *Magic* Motor is connected to the rear wheels.

