

Fig. 1. A Sports Motor Car, designed for construction from Outfit No. 4.

A Sports Motor Car

Attractive Subject for Outfit No. 4

IF you own an Outfit No. 4 or one larger you will have all the parts needed to build the attractive Sports Car shown in Fig. 1.

To commence construction, start with the chassis, which consists of two $12\frac{1}{2}$ " Strips joined at each end by $2\frac{1}{2}$ " \times $\frac{1}{2}$ " Double Angle Strips 1 and 2.

The front end of the car is made up from two $2\frac{1}{2}$ " \times $1\frac{1}{2}$ " Flexible Plates 3 and 4, with a Wheel Disc and a $2\frac{1}{2}$ " Strip to represent the radiator grille. An Angle Bracket is held by a bolt 5, which also fixes the Wheel Disc in place. Angle Brackets 6 and 7, which are bolted to the lower corners of the $2\frac{1}{2}$ " \times $1\frac{1}{2}$ " Flexible Plates, each have a slightly curved Formed Slotted Strip, one of which is seen at 8, and a $2\frac{1}{2}$ " Stepped Curved Strip bolted to them to form part of the front wheel arch.

Each wing of the car is made up from two $2\frac{1}{2}$ " \times $1\frac{1}{2}$ " Triangular Flexible Plates and one $2\frac{1}{2}$ " \times $2\frac{1}{2}$ " Flexible Plate. These are arranged as shown and two $5\frac{1}{2}$ " Strips are then bolted in the two upper end holes of the Formed Slotted Strip. The front wheel arch on each side of the car is completed by a second $2\frac{1}{2}$ " Stepped Curved Strip as shown.

The top of the bonnet is a $5\frac{1}{2}$ " \times $2\frac{1}{2}$ " Flexible Plate. This is bolted at the front end to the Angle Bracket held to the front Flexible Plates by bolt 5. At the rear end

this $5\frac{1}{2}$ " \times $2\frac{1}{2}$ " Flexible Plate is edged by two $2\frac{1}{2}$ " Strips bolted end to end, the bolt 9 passing through a $2\frac{1}{2}$ " \times $\frac{1}{2}$ " Double Angle Strip. To the lugs of the latter are bolted the inner ends of two $5\frac{1}{2}$ " Strips, one of which is marked 10 in Fig. 1. The other ends of these Strips are bolted to the Double Brackets 11. The holding bolts fix in place also a Flat Trunnion 12 on each side of the model. The sides of the windscreen frame are $2\frac{1}{2}$ " Strips and they are bolted to the sides of the Sports Car, the same bolts holding a $3\frac{1}{2}$ " Strip in place. Angle Brackets are bolted to the upper end holes of the $2\frac{1}{2}$ " Strips, and the top of the windscreen frame consisting of two $2\frac{1}{2}$ " Strips bolted together overlapping two holes, and a $1\frac{1}{2}$ " \times $\frac{1}{2}$ " Double Angle Strip, are bolted to the Angle Brackets as shown.

The sides of the body are completed with a $5\frac{1}{2}$ " \times $1\frac{1}{2}$ " Flexible Plate and a $2\frac{1}{2}$ " Semi-Circular Plate at the tail.

On the inside of the body, on each side, a $2\frac{1}{2}$ " \times $\frac{1}{2}$ " Double Angle Strip 13 is bolted to a Fishplate, which in turn is attached to the side of the car by a bolt 14. This bolt holds also the $3\frac{1}{2}$ " Strip that is bolted across the upper edge of the Sports Car door as shown. A streamlined effect is given by a $2\frac{1}{2}$ " Strip that is bolted to the centre hole of the $2\frac{1}{2}$ " \times $\frac{1}{2}$ " Double Angle Strip 13 and to the rear $2\frac{1}{2}$ " radius Curved Plate on each side.

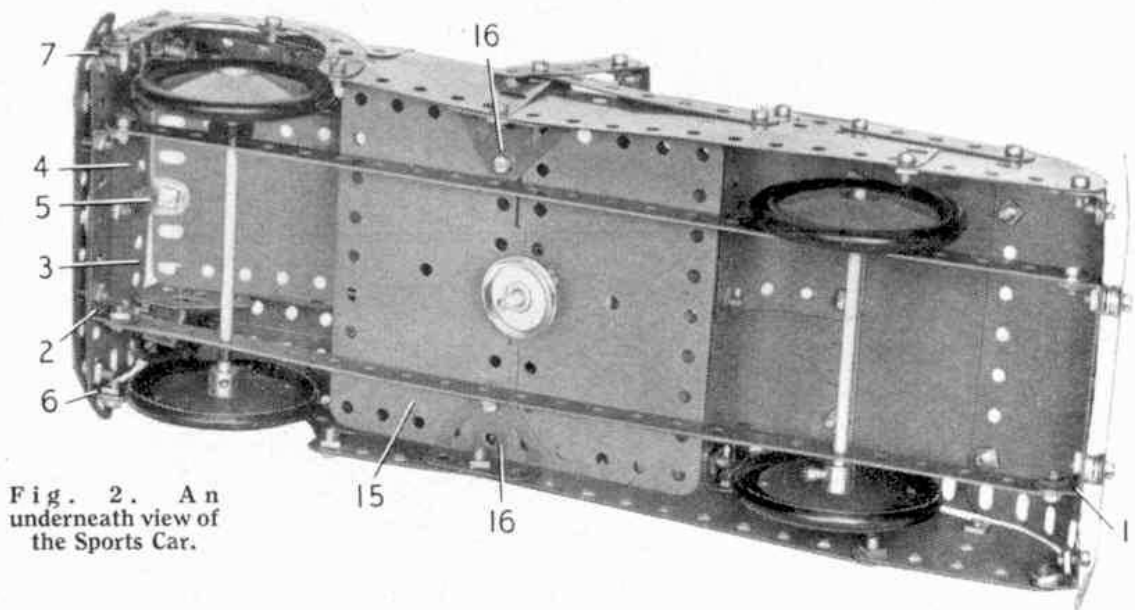


Fig. 2. An underneath view of the Sports Car.

The floor of the car is a Hinged Flat Plate 15 bolted to two Trunnions 16 that in turn are attached to the side plates of the body.

The tail and boot of the body are made up from two $2\frac{1}{2}'' \times 2\frac{1}{2}''$ Flexible Plates and two $4\frac{1}{2}'' \times 2\frac{1}{2}''$ Flexible Plates. The lower corners of the tail are fixed at each side to Angle Brackets bolted to the sides of the car. The driving seat consists of two further $2\frac{1}{2}'' \times 2\frac{1}{2}''$ Flexible Plates curved as shown. The headlights are 1" Pulleys fixed on $1\frac{1}{2}''$ Rods mounted in Reversed Angle Brackets, which are held by the bolts 17. The steering wheel is fixed on the end of a $3\frac{1}{2}''$ Rod passed through the lugs of a $2\frac{1}{2}'' \times \frac{1}{2}''$ Double Angle Strip bolted underneath the bonnet. A short Rod held in two 1" Pulleys placed above and below the floor represents the gear change lever.

The rear wheels are mounted on a $4\frac{1}{2}''$ Rod that is journalled six holes from the rear of the $12\frac{1}{2}''$ Strips of the chassis. The front

wheels are mounted on a $4\frac{1}{2}''$ Rod and spaced from the $12\frac{1}{2}''$ Strips by Spring Clips.

The bumpers are $5\frac{1}{2}''$ Strips and they are bolted to the $2\frac{1}{2}'' \times \frac{1}{2}''$ Double Angle Strips 1 and 2 by $\frac{3}{8}''$ Bolts, which also serve to fix the body in place. The rear bumper is spaced from the body by Washers on the shanks of the $\frac{3}{8}''$ Bolts, and the front bumper is also spaced from the body by two Spring Clips. The bumpers are curved slightly.

The fog lamp at the front consists of a $\frac{3}{4}''$ Washer bolted to a Fishplate that in turn is bolted to the front bumper.

Parts required to build the Model Sports Car:
 2 of No. 1; 8 of No. 2; 2 of No. 3; 9 of No. 5; 3 of No. 10;
 2 of No. 11; 3 of No. 12; 2 of No. 12c; 2 of No. 15b;
 1 of No. 16; 1 of No. 17; 2 of No. 18a; 4 of No. 22;
 1 of No. 24; 1 of No. 24a; 6 of No. 35; 72 of No. 37a;
 68 of No. 37b; 8 of No. 38; 1 of No. 48; 6 of No. 48a;
 4 of No. 90a; 4 of No. 111c; 2 of No. 125; 2 of No. 126;
 2 of No. 126a; 4 of No. 187; 2 of No. 188; 2 of No. 189;
 2 of No. 190; 2 of No. 191; 1 of No. 192; 1 of No. 198;
 2 of No. 199; 2 of No. 200; 2 of No. 214; 2 of No. 215;
 4 of No. 221.

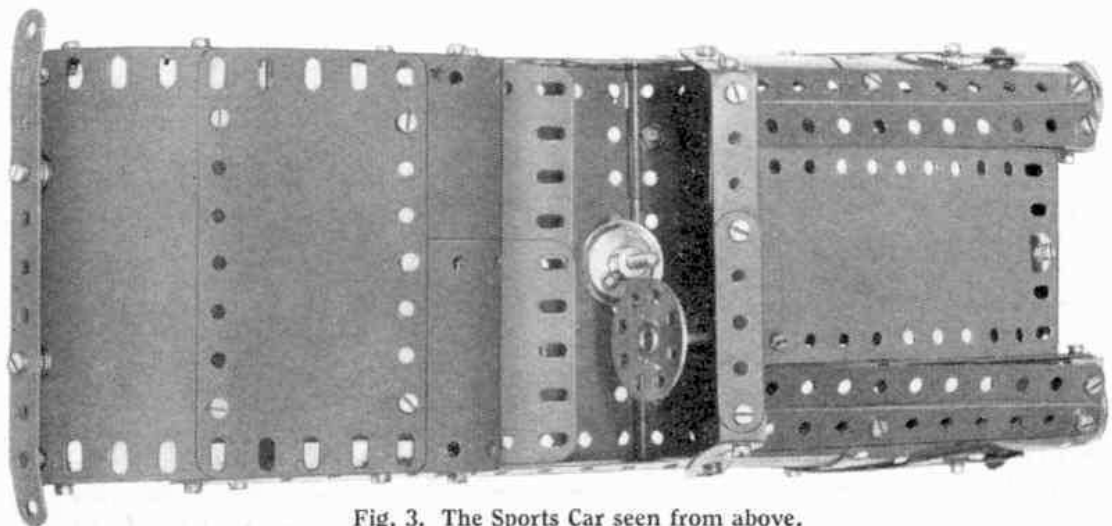


Fig. 3. The Sports Car seen from above.