

Easy Model-Building

Spanner's Special Section for Juniors

Aircraft Carrier and Aeroplane Roundabout

FOR the benefit of new readers, of whom there is usually a large number at this time of the year, it should be mentioned that the models we illustrate and describe in the "Easy Model-Building" Section each month are specially designed to interest those who have only small Outfits or limited experience in the use of Meccano parts. All the models dealt with are described in detail and will be found quite easy to build.

The Aircraft Carrier shown in Fig. 1 can be built from Outfit No. 1. For each side of the hull you will require two $2\frac{1}{2}$ " and two $5\frac{1}{2}$ " Strips, joined together to provide made-up strips 7" in length. These strips should be bent slightly as shown and connected together by Fishplates held by bolts 1 and by another Fishplate 2. One of the bolts 1 on each side secures also an Angle Bracket, and a Flat Trunnion bolted to the Angle Bracket is used to connect the sides of the hull together.

To make the flight deck bolt together two $5\frac{1}{2}$ " \times $1\frac{1}{2}$ " Flexible Plates and attach them to one side of the hull and to the stern by means of Angle Brackets. Use the bolts that fix the Plates to the Angle Brackets at the stern to support also a Trunnion 3, which fills in the stern of the model. Fix a Flat Trunnion and a $2\frac{1}{2}$ " Stepped Curved Strip to the front ends of the Flexible Plates.

The superstructure is made by bolting two $2\frac{1}{2}$ " \times $\frac{1}{2}$ " Double Angle Strips 4 together through their lugs, using one of the bolts to attach them to a $\frac{1}{2}$ " Reversed Angle Bracket 5 fixed to the flight deck. Two Angle Brackets are bolted to the free lug of the Reversed Angle Bracket. To make the support for the mast fix a Fishplate to an Angle Bracket and bolt the assembly to one of the Double Angle Strips 4. Use a $3\frac{1}{2}$ " Rod for the mast, passing it through the Fishplate and a hole in the flight deck, with Spring Clips to hold it in place. For the funnel fix two 1" Pulleys on a 2" Rod, pass

the Rod through a hole in the flight deck and fasten it in place with a Spring Clip.

A list of the parts required to build this model is given at the end of this article.

You should begin building the fascinating working model Aeroplane Roundabout shown in Figs. 2 and 3 by making the base. All the parts required to build the model will be found in Outfit No. 3. Bolt two $5\frac{1}{2}$ " \times $2\frac{1}{2}$ " and two $2\frac{1}{2}$ " \times $2\frac{1}{2}$ " Flexible Plates to the sides of a $5\frac{1}{2}$ " \times $2\frac{1}{2}$ " Flanged Plate, and connect the lower corners of the Flexible Plates with $2\frac{1}{2}$ " \times $\frac{1}{2}$ " Double Angle Strips.

Fasten four Angle Brackets to the Flanged Plate as shown and use each one to support a $5\frac{1}{2}$ " Strip. You must bolt together the upper

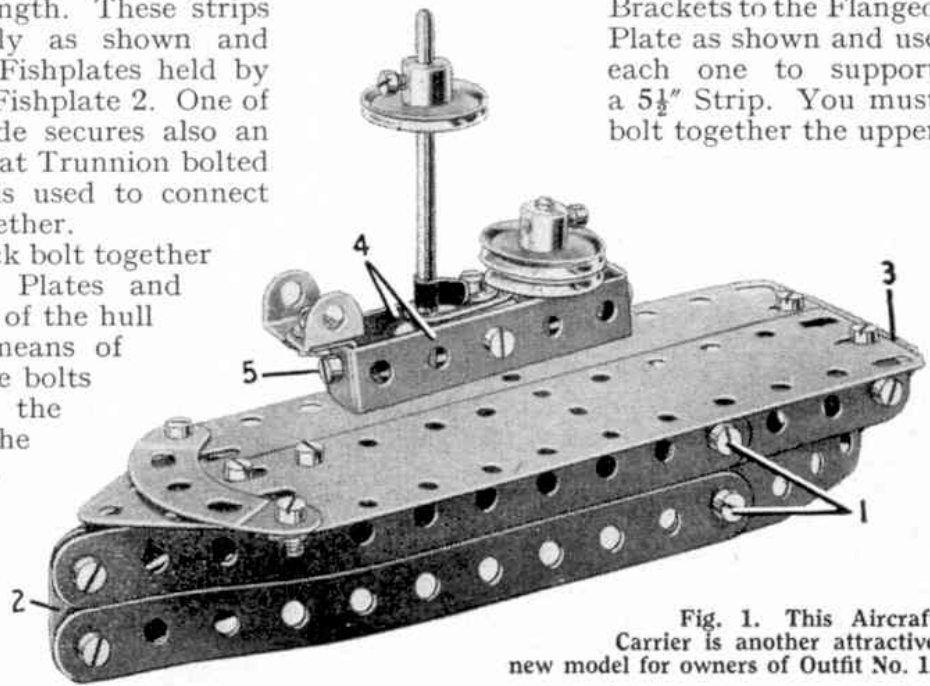


Fig. 1. This Aircraft Carrier is another attractive new model for owners of Outfit No. 1.

ends of the two Strips on each side, and connect them to the Strips on the other side by a Double Bracket 1, using the same bolts to support $2\frac{1}{2}$ " Strips 2. The Strips 2 are braced to the $5\frac{1}{2}$ " Strips by two $2\frac{1}{2}$ " Stepped Curved Strips on each side, and a Double Bracket 3 is bolted between the upper ends of the Strips 2. Take care to arrange the bolts that pass through the Strips 2 with their heads on the inside.

The arms that support the aeroplane are formed by a $12\frac{1}{2}$ " Strip with a Bush Wheel bolted centrally to it. You must fix the Bush Wheel on the upper end of a 4" Rod

