

Fig. 1.

New Meccano Models

For Outfits Nos. 00 and 4

A THREE-WHEELED Dumper Truck that can be built with Outfit No. 4 is the first of our two new models to be described this month. This model is driven by a *Magic* Clockwork Motor concealed inside the body, and the vehicle is fitted with a neat steering mechanism. The Dumper Truck makes good use of the new Triangular Flexible Plates and Right Angle Rod and Strip Connectors now included in a No. 4 Outfit. The Triangular Flexible Plates help to reproduce the body of the real machine realistically, and novel use is made of the Right Angle Rod and Strip Connectors in pivoting the hopper to the chassis.

The Truck is shown in Figs. 1, 2 and 3, and it is best to begin construction by bolting a $2\frac{1}{2}'' \times 2\frac{1}{2}''$ Flexible Plate and a $2\frac{1}{2}'' \times 1\frac{1}{2}''$ Triangular Flexible Plate to a made-up strip 1 on each side. These strips form the chassis members, and each consists of two $5\frac{1}{2}''$ Strips overlapped eight holes. At the front a $2\frac{1}{2}''$ Stepped Curved Strip 2 is fixed to each of the strips 1, and is connected to the Triangular Flexible Plate by another $2\frac{1}{2}''$ Stepped Curved Strip.

The sides are connected together by two $2\frac{1}{2}'' \times \frac{1}{2}''$ Double Angle Strips held by bolts 3, and by a further $2\frac{1}{2}'' \times \frac{1}{2}''$ Double Angle Strip 4. At the rear end of the chassis another $2\frac{1}{2}'' \times \frac{1}{2}''$ Double Angle Strip 5 is fixed between the strips 1. Each of the Curved Strips 2 is extended upward by a Fishplate, and the latter parts are connected by a $1\frac{1}{2}'' \times \frac{1}{2}''$ Double Angle Strip that supports two Flat Trunnions 6 joined together by Double Brackets.

A *Magic* Clockwork Motor is bolted by two of its lugs to one side of the body, and the Motor pulley is connected by a crossed Driving Band to a 1" Pulley on a $3\frac{1}{2}''$ Rod 7. This Rod is supported in Wheel Discs bolted to the strips 1, and is held in place by a $\frac{1}{2}''$ Pulley and a Spring Clip. The $\frac{1}{2}''$ Pulley is supplied with the

Magic Motor, and it is connected by a Driving Band to a 1" Pulley on the rear axle. This axle consists of a $3\frac{1}{2}''$ and a 2" Rod joined by a Rod Connector. The 1" Pulley is spaced from one of the strips 1 by five Washers and a Spring Clip. A $\frac{1}{2}''$ Reversed Angle Bracket is lock-nutted to the Motor

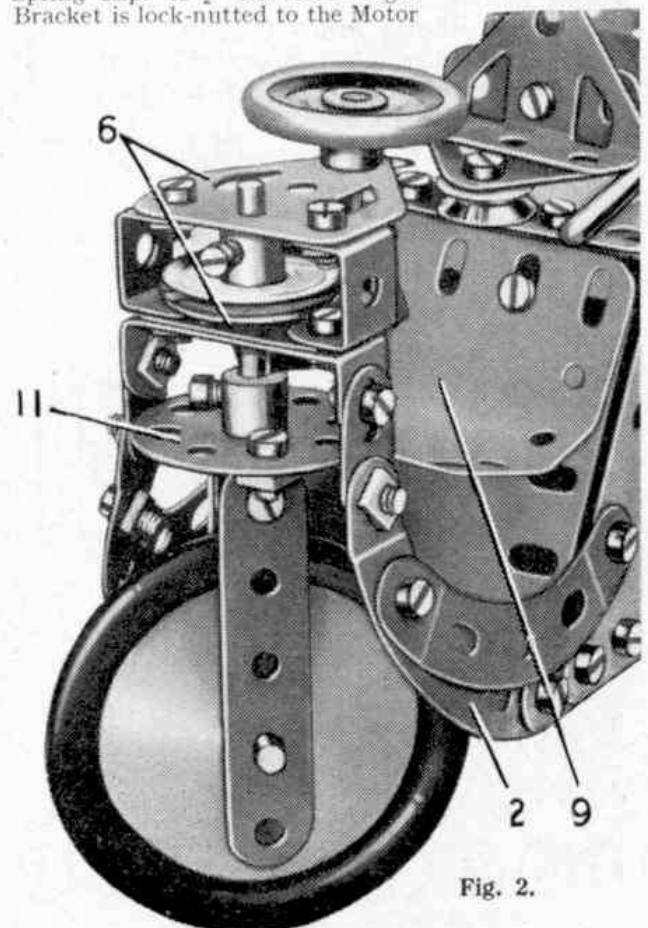


Fig. 2.

Fig. 1. A fine model Dumper Truck with which the builder can have real fun. It can be built from the parts in Outfit No. 4.

Fig. 2. A "head-on" view of the steering mechanism of the Dumper Truck.