A New Model for Outfit No. 6

Delivery Van

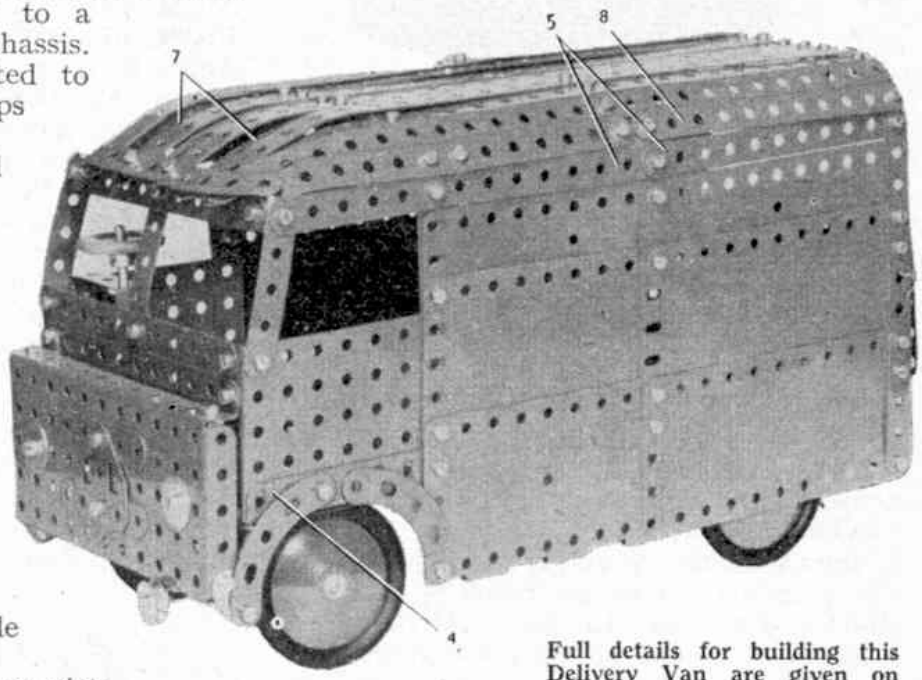
TO make the chassis two $2\frac{1}{2}'' \times \frac{1}{2}''$ Double Angle Strips are bolted between the ends of two $12\frac{1}{2}''$ Angle Girders. The rear axle is a 5" Rod held by Spring Clips in Flat Trunnions bolted to the Girders.

Each front axle is a $1\frac{1}{2}''$ Rod mounted in a Double Bracket and held in place by a Collar and a Road Wheel. A $1\frac{1}{2}''$ Strip 1 is placed between the lugs of one Double Bracket and a $2\frac{1}{2}''$ Strip 2 is passed between the lugs of the second Double Bracket. A $\frac{3}{8}''$ Bolt is passed through the Strip and the Double Bracket at each side, and is lock-nutted to a Trunnion 3 bolted to the chassis. A $3\frac{1}{2}''$ Strip is lock-nutted to the rear ends of the Strips 1 and 2.

The floor of the model is made by attaching a $12\frac{1}{2}'' \times 2\frac{1}{2}''$ Strip Plate to each of the chassis Girders. These Plates are strengthened at the front and the rear by $2\frac{1}{2}''$ Strips, and $12\frac{1}{2}''$ Angle Girders 4 are bolted along the outer edges of the Plates. The gap between the Plates is filled by a $12\frac{1}{2}''$ Strip attached to two $2\frac{1}{2}'' \times \frac{1}{2}''$ Double Angle Strips.

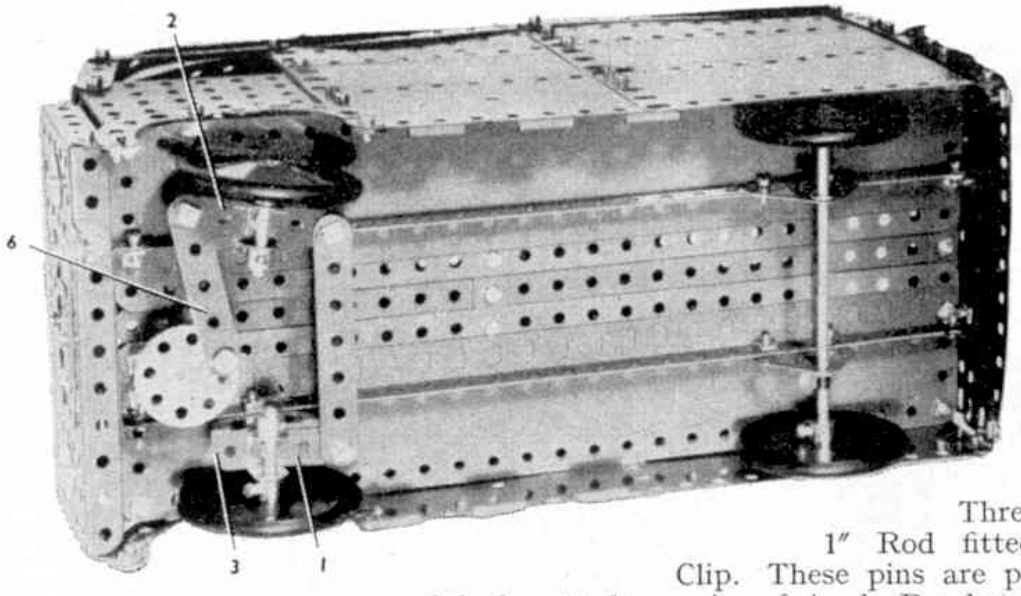
Each side of the body consists of a $3\frac{1}{2}'' \times 2\frac{1}{2}''$ Flanged Plate, one half of a Hinged Flat Plate, two $5\frac{1}{2}'' \times 2\frac{1}{2}''$ Flexible Plates, two $5\frac{1}{2}'' \times 1\frac{1}{2}''$ Flexible Plates and a $4\frac{1}{2}'' \times 2\frac{1}{2}''$ Flexible Plate. These Plates are bolted together as shown and the side is attached to the Girders 4 and to $5\frac{1}{2}''$ Strips fixed vertically to the Girders. The rear $5\frac{1}{2}''$ Strip is extended downward by a $2\frac{1}{2}''$ Strip, and two $5\frac{1}{2}''$ Strips 5 overlapped three holes are attached to the upper ends of the vertical Strips. The Strips 5 are extended forward by a 3" Strip, which is connected to the $3\frac{1}{2}'' \times 2\frac{1}{2}''$ Flanged Plate by a $2\frac{1}{2}''$ Strip to form the side windows. The front wheel arch on each side consists of two $2\frac{1}{2}''$ Stepped Curved Strips.

The front of the cab is made by bolting two $5\frac{1}{2}''$ Strips to the flanges of the $3\frac{1}{2}'' \times 2\frac{1}{2}''$ Flanged Plates, and then fixing a $5\frac{1}{2}'' \times 2\frac{1}{2}''$ Flanged Plate to Angle Brackets held by the same bolts as the lower Strip. The bottom corners of the Flanged Plate are connected to the wheel arches by Fish-plates. Two $\frac{3}{4}''$ Washers bolted to the Flanged Plate represent headlamps, and two $2\frac{1}{2}''$ Strips and a Flat Trunnion form the radiator. A $\frac{1}{2}''$ Pulley attached by a $\frac{3}{8}''$ Bolt to an Angle Bracket represents a fog lamp. The upper edge of the windscreen frame is a $5\frac{1}{2}''$ Strip fixed to Angle Brackets, and the centre division is a $3\frac{1}{2}'' \times \frac{1}{2}''$ Double Angle Strip.



Full details for building this Delivery Van are given on these pages. The model is designed for construction with parts in a No. 6 Outfit.

The steering wheel is a 1" Pulley with Rubber Ring fixed on a $3\frac{1}{2}''$ Rod. The Rod is held by a Collar in two $1\frac{1}{2}'' \times \frac{1}{2}''$ Double Angle Strips bolted to one side of the cab, and it carries at its lower end a $\frac{1}{2}''$ Pinion. The Pinion engages a 57-tooth Gear on a $1\frac{1}{2}''$ Rod, which is mounted in the cab floor and in a Double Bent Strip bolted underneath the floor. The $1\frac{1}{2}''$ Rod carries at its lower end a Bush Wheel, to which a $2\frac{1}{2}''$ Strip 6 is connected by a Pivot Bolt. The Strip 6



This picture shows the arrangement of the chassis and the steering mechanism.

is lock-nutted to the front end of the 2½" Strip 2—as shown above.

To make the cab roof Formed Slotted Strips are fixed to the vertical 5½" Strips at each side. The inner ends of the Formed Slotted Strips are connected to those of the opposite side by 2½" × ½" Double Angle Strips. The centre section of the roof is filled in by five 12½" Strips bolted to the 2½" × ½" Double Angle Strips. Further 12½" Strips, numbered 7, are attached to the centre holes of the Formed Slotted Strips, and made-up strips 8 on each side are attached in the free sections of the slotted holes in the Formed Slotted Strips. The strips 8 on one side consist of two 5½" and a 3½" Strip, while on the other side a 5½" Strip, two 3½" Strips and a 2½" × ½" Double Angle Strip are used.

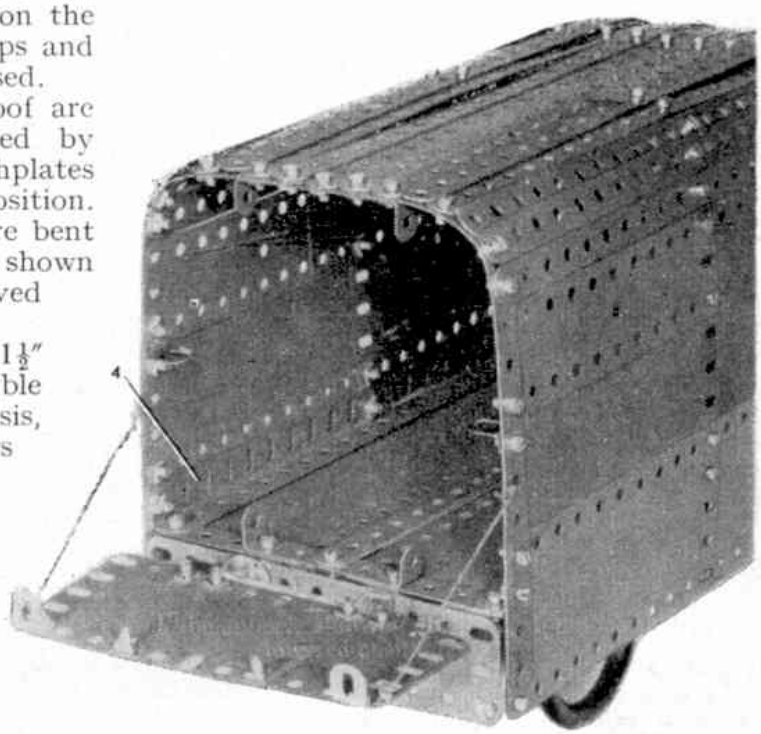
The remaining sections of the roof are filled in by 12½" Strips supported by Obtuse Angle Brackets and Fishplates attached to the Strips already in position. The front ends of the roof Strips are bent downward slightly and are edged as shown by a 1½" Strip and two 2½" Curved Strips.

At the rear of the body three 2½" × 1½" Flexible Plates are bolted to the Double Angle Strip at the end of the chassis, and are connected to the lower corners of the sides by Angle Brackets. The tailboard consists of three 2½" × 2½" Flexible Plates bolted together and fitted with two Right Angle Rod and Strip Connectors. These are mounted on a 4" Rod supported in Angle Brackets bolted to the back of the body. Further Angle Brackets are fixed to the tailboard and the sides of the body, so that they overlap when the tailboard is raised.

Pins to secure the tailboard in the raised position are formed by a Threaded Pin and a 1" Rod fitted with a Spring Clip. These pins are passed through the pairs of Angle Brackets.

If a Clockwork Motor is available it will be easy to modify the model to take a Motor drive.

Parts required to build the Delivery Van: 12 of No. 1; 14 of No. 2; 4 of No. 3; 2 of No. 4; 12 of No. 5; 2 of No. 6a; 4 of No. 8; 6 of No. 10; 2 of No. 11; 13 of No. 12; 2 of No. 12c; 1 of No. 15; 1 of No. 15b; 1 of No. 16; 3 of No. 18a; 1 of No. 18b; 1 of No. 22; 1 of No. 23; 1 of No. 24; 1 of No. 26; 1 of No. 27a; 3 of No. 35; 137 of No. 37a; 128 of No. 37b; 2 of No. 38; 2 of No. 38d; 1 of No. 40; 1 of No. 45; 2 of No. 48; 7 of No. 48a; 1 of No. 48b; 1 of No. 52; 2 of No. 53; 3 of No. 59; 2 of No. 90; 4 of No. 90a; 3 of No. 111c; 1 of No. 115; 2 of No. 126; 3 of No. 126a; 1 of No. 147b; 1 of No. 155; 4 of No. 187; 3 of No. 188; 4 of No. 189; 3 of No. 190; 2 of No. 191; 4 of No. 192; 2 of No. 197; 1 of No. 198; 2 of No. 212a; 4 of No. 215.



A rear view of the model, showing the hinged tailboard in its lowered position.