

**MODEL OF THE MONTH**

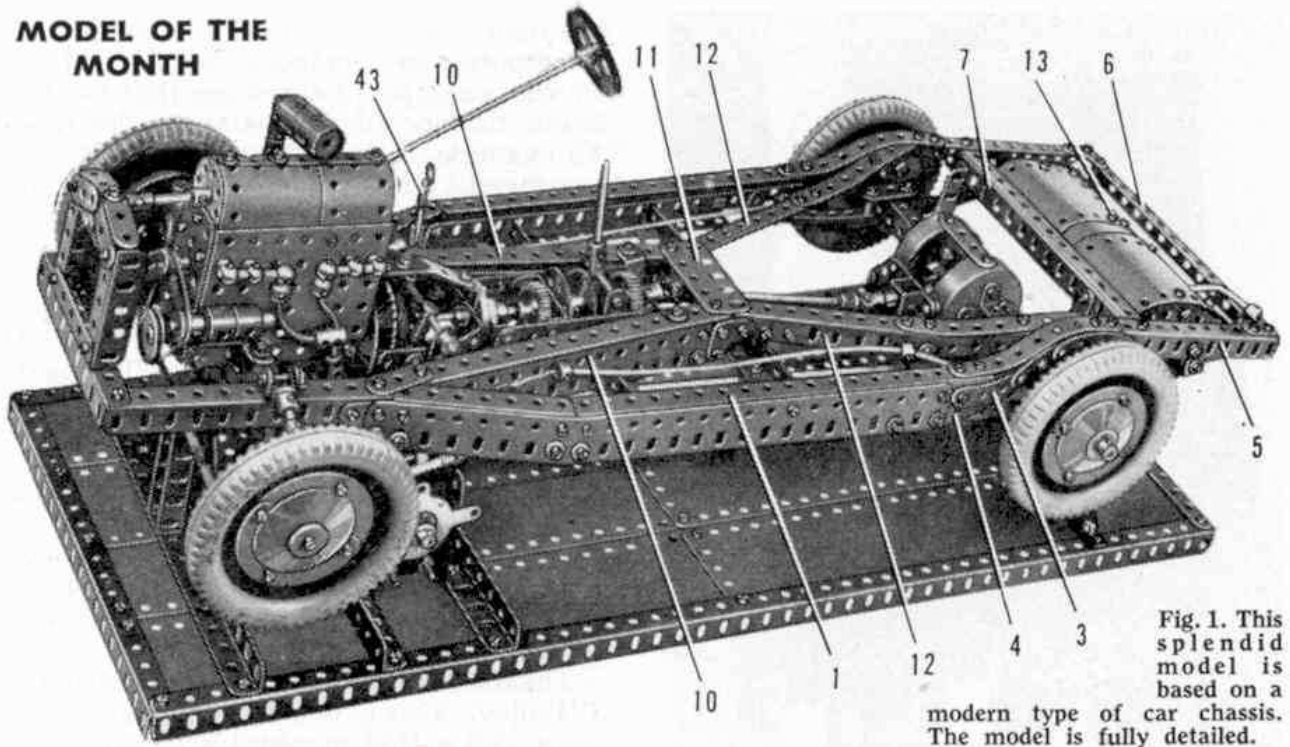


Fig. 1. This splendid model is based on a modern type of car chassis. The model is fully detailed.

# A Modern Motor Chassis

MOTOR vehicles, with their many ingenious mechanisms, make excellent subjects for Meccano models and it is not surprising to find that models of cars, lorries, etc., appear regularly among entries in *M.M.* model-building contests. There is no doubt whatever that a fully equipped motor chassis, with steering,

brakes, clutch, gear-box and differential mechanism, is particularly interesting to build and to operate, and for our January Model of the Month therefore an excellent example of a modern car chassis in Meccano has been chosen.

The model has independently sprung front wheels, so that it is really up to date.

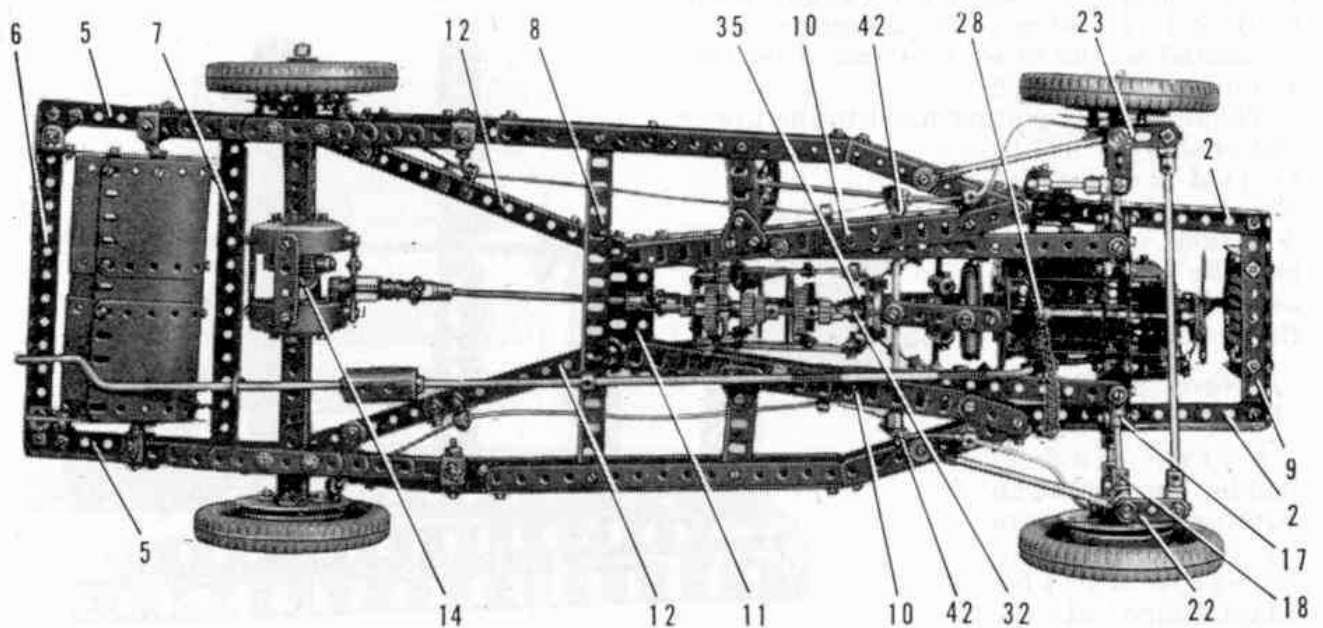
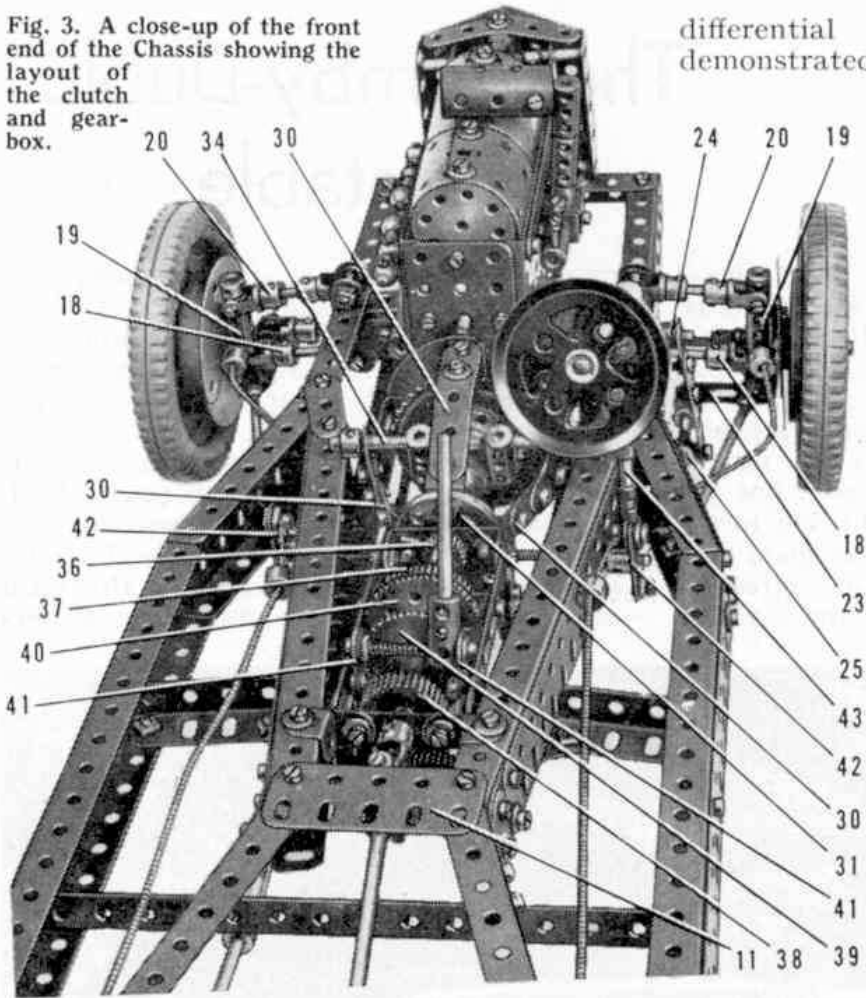


Fig. 2. The general arrangement of the Chassis can be seen in this underneath view of the model.

Fig. 3. A close-up of the front end of the Chassis showing the layout of the clutch and gear-box.



differential mechanism, etc., can be demonstrated and studied much more easily than is the case in a model designed to travel along the ground.

The gear-box gives three forward speeds and one reverse. In the model the change speed lever is locked in position so that top gear is engaged, but the lever can be released and the gears arranged to allow gear changing.

Full constructional details and a list of the parts required to build this splendid model can be obtained by writing to the Editor, enclosing a 2d. stamp for postage. Readers living in Canada, Australia, New Zealand, South Africa and Ceylon can obtain copies of the Instructions for building the *current* "Model of the Month" by writing to the main Meccano Agents for those countries and enclosing stamps for postage.

It is driven by an E 20 R (S) Electric Motor, but an interesting variation from the usual type of Meccano vehicle is that the Motor is fitted to a base that supports the model and is linked to the realistic chassis engine unit by Sprockets and Chain. The chassis is supported so that its wheels are clear of the base, and thus the action of the steering, clutch,

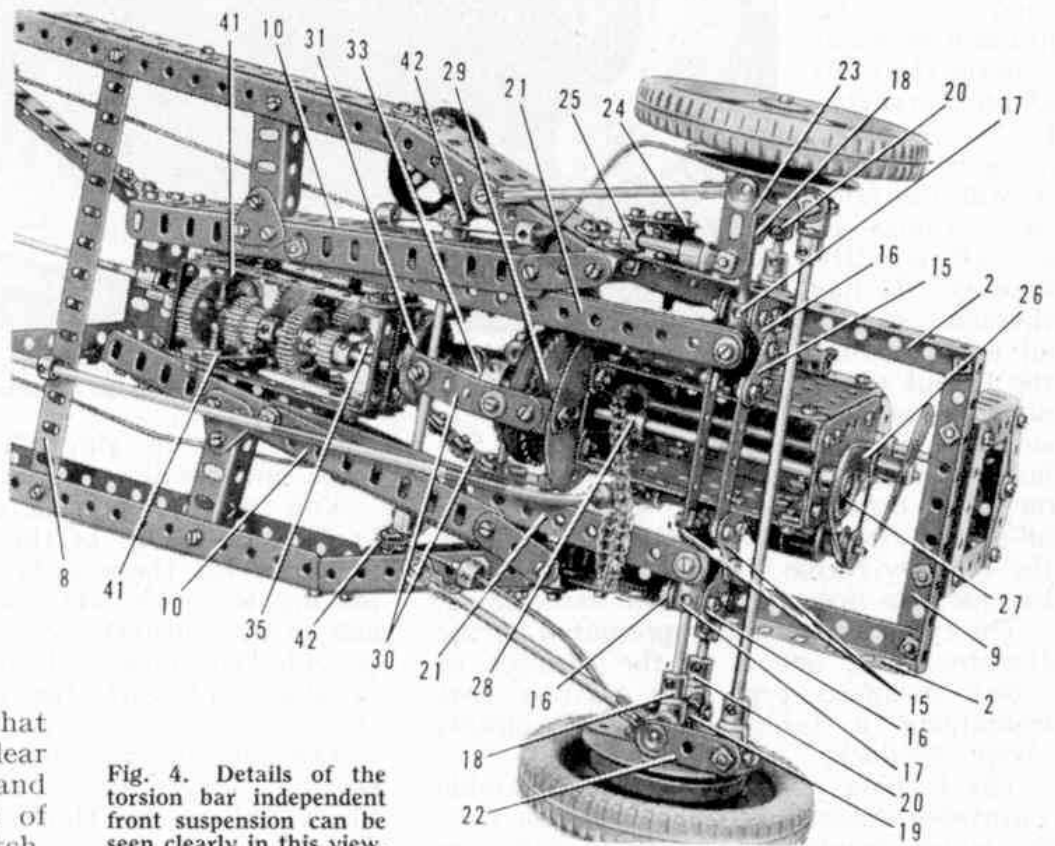


Fig. 4. Details of the torsion bar independent front suspension can be seen clearly in this view.