

## car outline

# COMPETITION

## 50 Dinky Toy Models to be Won!

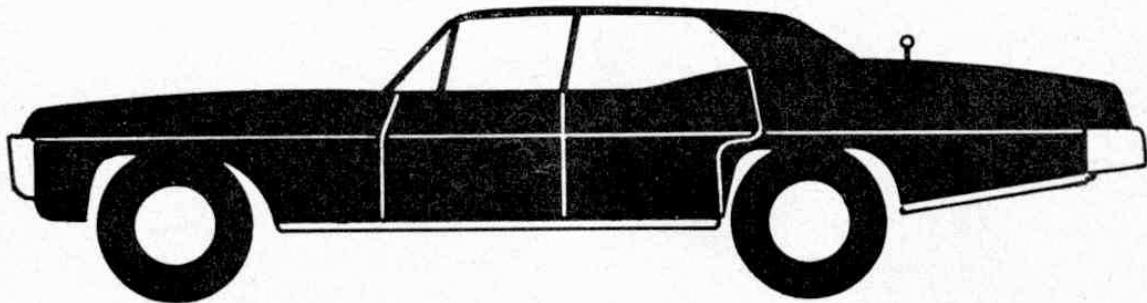
Fill in the form opposite and simply send it in to Meccano Magazine, Comp', 13-35 Bridge Street, Hemel Hempstead, Herts., marked "Car Outline Competition" or if you don't want to cut your magazine just jot down your answer on a postcard and don't forget your address!

The first 50 correct entries received will be sent a model of the vehicle illustrated.

The vehicle illustrated is.....

Name.....

Address.....



### MECCANO CONSTRUCTORS GUIDE

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Rise and fall motion for three gallopers in line are provided by linking two Crank Shafts, part No. 134, by a central crank made from a pair of Couplings secured to a 1 in. Axle Rod. This arrangement allows all three motions to be adjusted for rise and fall at 120° intervals giving very realistic galloping in correct phase. Universal joints connect the Contrate drives to the galloper crank shafts, while twin Fishplates and Rod and Strip Connectors form the swivel ends for the horse poles, these being located on the pins of the cranks with Washers and Spring Clips. The lower end of the horse poles pass through slots in Flat Girders which form radial elements of the decking below.

The roundabout illustrated was adequately driven from 6 volts by a D.C. Motor with 6-ratio Gear Box, which also provided power for a horizontal replica "steam" engine built on to the side of the central pillar. This, together with an illuminated "steam" organ with working musicians, made the model a most attractive and realistic roundabout.

Coloured lights add tremendously to the realism of fairground models and all the models mentioned in this chapter are fitted with lights on both stationary and revolving parts. This requires the use of commutators or slip rings to feed current to the rotating parts—no less than five separate rings being required for the "Torpedoes". A later chapter in the Guide will deal with the circuits and components required for multiple illuminations, but elementary systems can be assembled using existing Meccano electrical parts.

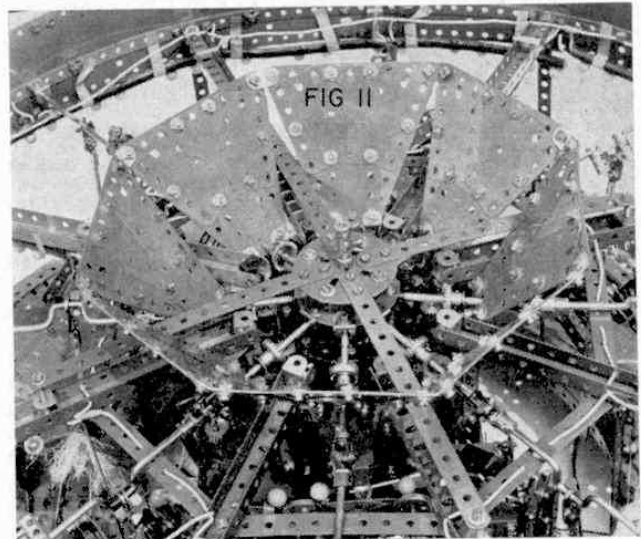


Fig. 11. The "crownhead" gearing for a Meccano 24-horse galloper. Note universal joints to the galloping cranks.

Those constructors who are adept with a sewing machine, or can recruit a member of the family in this direction, can make their fairground models very attractive with bunting and canopies in bright colours. The canopy for the roundabout shown in Fig. 10 is made from triangles of red and white material, trimmed with pinkish shears and sewn at the centre to a 1 in. Rubber Ring. This nestles snugly over a small Flanged Wheel which supports the chimney extension.