



A fine model of a Chevrolet Sports Car built by Mr. A. J. Jones, Port Elizabeth, South Africa, as an exhibit for a local Hobbies Carnival.

## Among the Model- Builders

By "Spanner"

### A Fine Model Car

The attractive working model car shown in the upper picture on this page was built by Mr. A. J. Jones, Port Elizabeth, South Africa, and it was one of the exhibits in a Hobbies Carnival held in that town in 1958. The photograph is reproduced by courtesy of the *Eastern Provinces Herald* and it appeared in their issue in July last year. The lady seen in the picture is Mr. Jones' mother, who is evidently very pleased with her son's handiwork.

The model is built entirely from Meccano parts and is powered by an E20R(S) Electric Motor. Among its many mechanical features it includes coil suspension on all four wheels, hand and foot-operated brakes, semi-automatic clutch and gear-box with four forward and reverse drives. A non-slip differential is another feature of this interesting chassis and the bodywork is fitted with openable doors, electric headlamps and capacious boot.

Fig. 1. A centrifugal type clutch designed by Mr. J. R. Sharp, Huddersfield.

### Centrifugal Clutch

I have received details of a centrifugal clutch mechanism of unusual design from Mr. J. F. Sharp, Huddersfield. The mechanism is shown in Fig. 1. The clutch is very compact and is contained entirely inside a Boiler End, which forms the driven member and is attached to the output shaft. The chief advantage of the mechanism is that although it is compact, comparatively heavy weights are used and these enable the clutch to transmit a powerful drive, particularly if the inner face of the Boiler End is lined with tape or thin rubber.

The driving member of the mechanism is a 2" Pulley 1 fixed on the input shaft, which should pass only part way into the boss of the Pulley. The remaining section of the boss accommodates the inner end of the output shaft 4 when the clutch is assembled. The Angle Brackets are bolted to the Pulley, and a 1½" Strip is fixed

