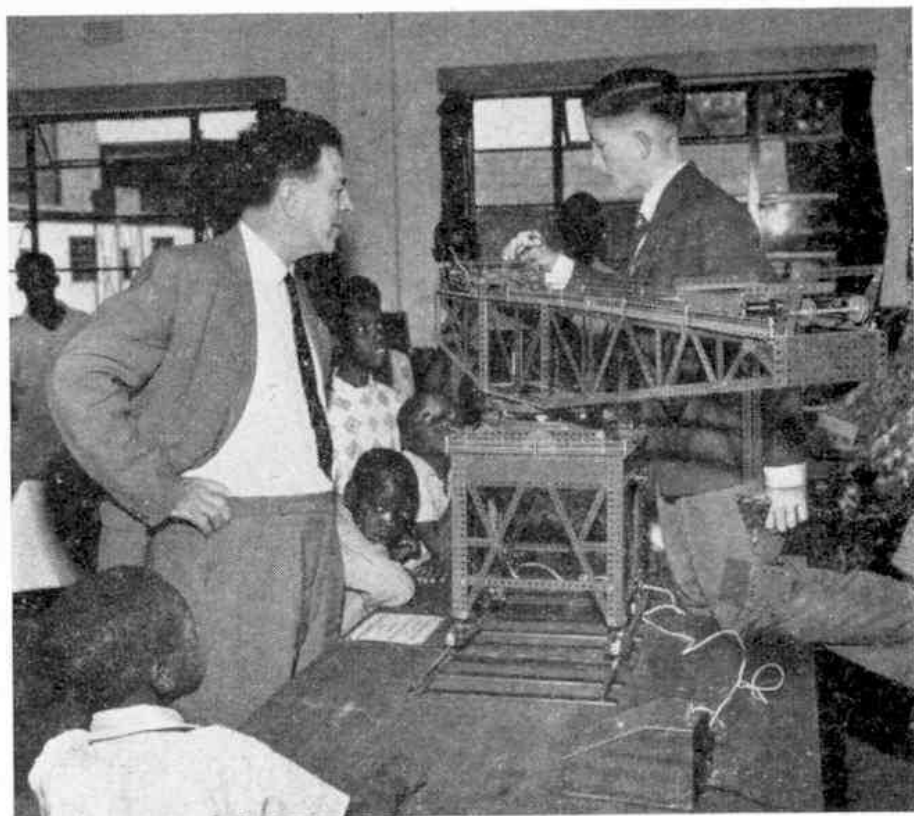


Ideas and Suggestions for Meccano Model-Builders

By
"Spanner"



The illustration on this page shows a moment of success in the life of young David McGowan, who lives in Nairobi, Kenya. David is a keen Meccano model-builder and in the illustration referred to he is shown demonstrating to an audience including Sir J. R. Farquharson (General Manager of the East African Railways) and several young African children, a fine Block-setting Crane he built entirely by himself as an exhibit for the eighth annual Arts and Crafts Exhibition of the East African Railways and Harbours. Later David was presented with a special prize for his efforts by Lady Farquharson.

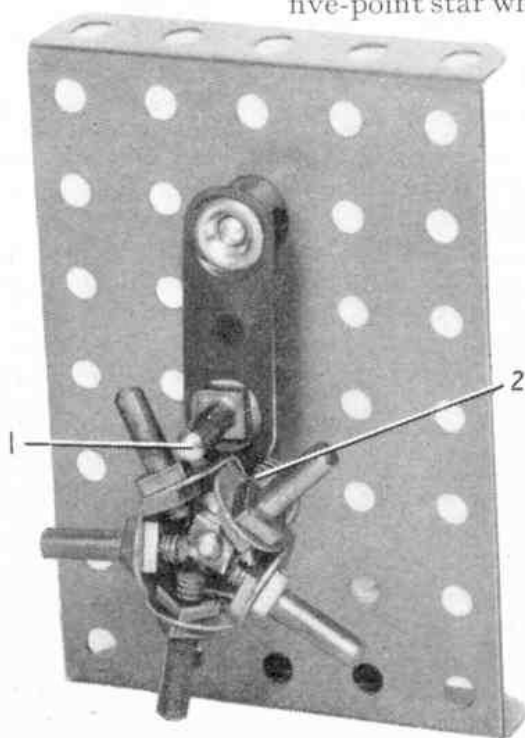
African children are taking an ever increasing interest in Meccano and many are really keen and capable model-builders themselves.

The photograph on which our illustration is based is reproduced by courtesy of the East African Railways and Harbours.

Sir J. R. Farquharson (General Manager of the East African Railways and Harbours) surrounded by keenly interested African children, watching a demonstration of a Block-setting Crane built by David McGowan, Nairobi, at an Arts and Crafts Exhibition.

An Intermittent Drive Arrangement

Fig. 1 illustrates an unusual form of intermittent drive that makes use of a five-point star wheel built up from Threaded Pins. By means of this arrangement a fifth of a revolution of the driven shaft can be obtained for each complete revolution of the driving shaft. When the device is used in conjunction with a 2:1 gear ratio it will provide a total ratio of 10:1 and it is therefore suitable for use in revolution counters and calculating machines. Details of the arrangement are as follows. The driving shaft carries a Crank fitted with a Threaded Pin 1.



An intermittent motion mechanism that can be used to give a 10:1 ratio between driving and driven shafts.