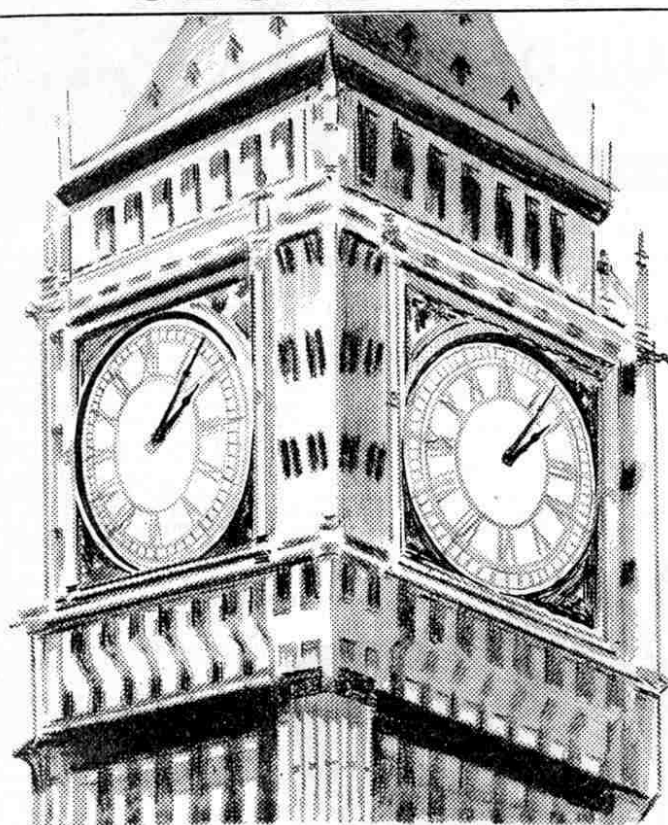


## SECRETS OF ENGINEERING



### How does a Clock keep Time?

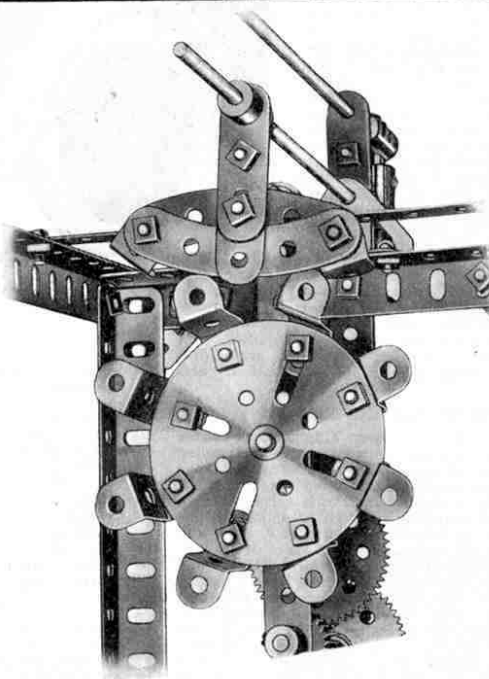
Full instructions for building a complete Meccano Grandfather Clock are contained in the special Instruction Leaflet No. 14A, obtainable from any Meccano dealer price 2d., or direct from Meccano Ltd., Binns Road, Liverpool 13.  
Price 2d. post free.

Every modern clock, from the smallest household type to great turret clocks like "Big Ben," depends for its accurate time-keeping upon some form of regulating mechanism. Many types of such mechanisms have been devised, but the most widely used and the most reliable consists of a pendulum acting through a pallet and an escapement wheel. The operation of this device is based on the property possessed by a pendulum of always swinging at a constant rate, and thus providing a regulating influence that is transmitted to the clock movement.

The lower illustration on this page shows how perfectly this ingenious arrangement can be reproduced in Meccano. This is the mechanism that is incorporated in the well-known Meccano Grandfather Clock, and it enables the clock to keep excellent time. This clock is a splendid example of Meccano model-building, and it presents a very striking and attractive appearance when fitted into its case, which is 7 ft. in height.

#### PRICES OF MECCANO OUTFITS

Outfit	Builds	Price	Outfit	Builds	Price
No. X1	70 models	1/3	No. 3	687 models	27/6
No. X2	96 "	2/-	No. 4	753 "	52/6
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No. 00	189 "	3/6	No. 5 (Cabinet)	798 "	100/-
No. 0	343 "	5/-	No. 6 (Carton)	844 "	125/-
No. 1	573 "	10/-	No. 6 (Cabinet)	844 "	155/-
No. 2	629 "	16/-	No. 7 (Cabinet)	889 "	415/-



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