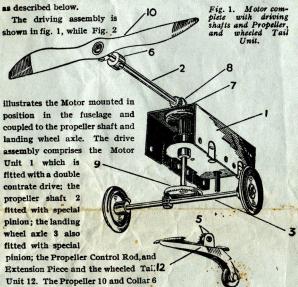
INSTRUCTIONS

MECCANO AERO CLOCKWORK MOTOR No. 2

The Meccano Aero Clockwork Motor No. 2 is designed to fit in the fuselage of the Meccano Aeroplane models. It provides a high-speed drive for the Propeller of the machine, and at the same time rotates the landing wheels so that the complete model taxies along the floor or table under its own power in a most realistic manner.

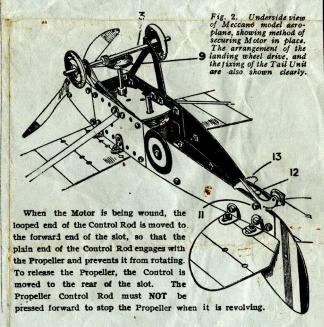
The Motor should NOT BE WOUND UP until it is fitted into a model with the Propeller Control Rod in the "Forward" or "Stop' position,



are contained in the standard Meccano Aeroplane Constructor Outfits. A Stop Control Rod is supplied with the Motor and this must be fitted to the Fuselage Top Front and Fuselage Front before the propeller shaft and Motor are incorporated. The plain end of the Propeller Control Rod is pushed down through the slot in the Fuselage Top Front and continued through the small hole in the Fuselage Front. The Extension Piece is then assembled to the looped end of the Propeller Control Rod by means of nuts from the Aeroplane Set-one nut in front and one at rear of screwed portion. This Extension Piece will then enable the Control Rod to be manipulated quite easily. Next, the Collar 6 is placed on the propeller shaft 2 and locked in position. The Collar 6 should be adjusted so that the special pinion on the end of the shaft meshes with the Contrate Wheel 7 of the Motor, when the Collar 6 rests against the inside of the Fuselage Front. The end of the propeller shaft 2 complete with Collar 6 is then pushed through the upper hole in the Fuselage Front. the end of the propeller shaft 2 is passed through the hole in the bearing lug 8 on the top of the Motor, so that the pinion on the shaft 2 meshes with the contrate wheel 7.

The Motor is next lowered into position, and at the same time the Undercarriage V Struts, are placed on each side of the fuselage. The Motor and V Struts are held in place by means of 7/32" Bolts passed through the lower holes in the Fuselage Sides. The landing wheelaxle 3 is then placed in position as illustrated in Fig. 2. The Propeller 10 may now be placed on the end of the shaft 2 that projects through the Fuselage Front, and locked in position by means of the Grub-screw in its boss. A Landing Wheel complete with Rubber Tyre should be placed on each end of the landing wheel axle 3. The Landing Wheels should be adjusted so that the special pinion on the axle 3 engages with the contrate wheel 9 attached to the driving shaft of the Motor. Care should be taken to see that the shafts 2 and 3 are free to turn in their bearings. A little oil applied to the teeth of the contrates 7 and 9 will improve the running.

The wheeled Tail Unit enables the direction in which the model travels to be altered at will, and it also reduces the friction considerably. The Tail Unit is secured to the tail of the fuselage by means of a § Bolt 11. The Bolt is passed through the rear lower holes in the Fuselage Side Rear sections and through the two perforated lugs 5 attached to the Tail Unit. By adjusting the position of the wheel frame 12 on the toothed rack 13 the model may be made to travel in any forward direction.



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