

# VALVE-GEARS

FOR

## STEAM-ENGINES

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**Location of the Reverse-shaft.**—The centre of the reverse-shaft arm  $S$ , Fig. 2, Pl. XX, may now be located as follows: Bisect the line  $mm'$  (shown also on Fig. 7, Pl. XXa) by a line perpendicular to the axis  $XX'$  and on it locate  $N_0$  at a distance from the axis equal to the length of the hanger; draw  $N_0S$  parallel to the axis and make it equal to the length of the reverse-shaft arm. Drill a hole in the drawing-board at  $S$  and connect up the hanger with wooden washers at  $N$  and  $m'$  to give proper clearance so that the model may work freely.

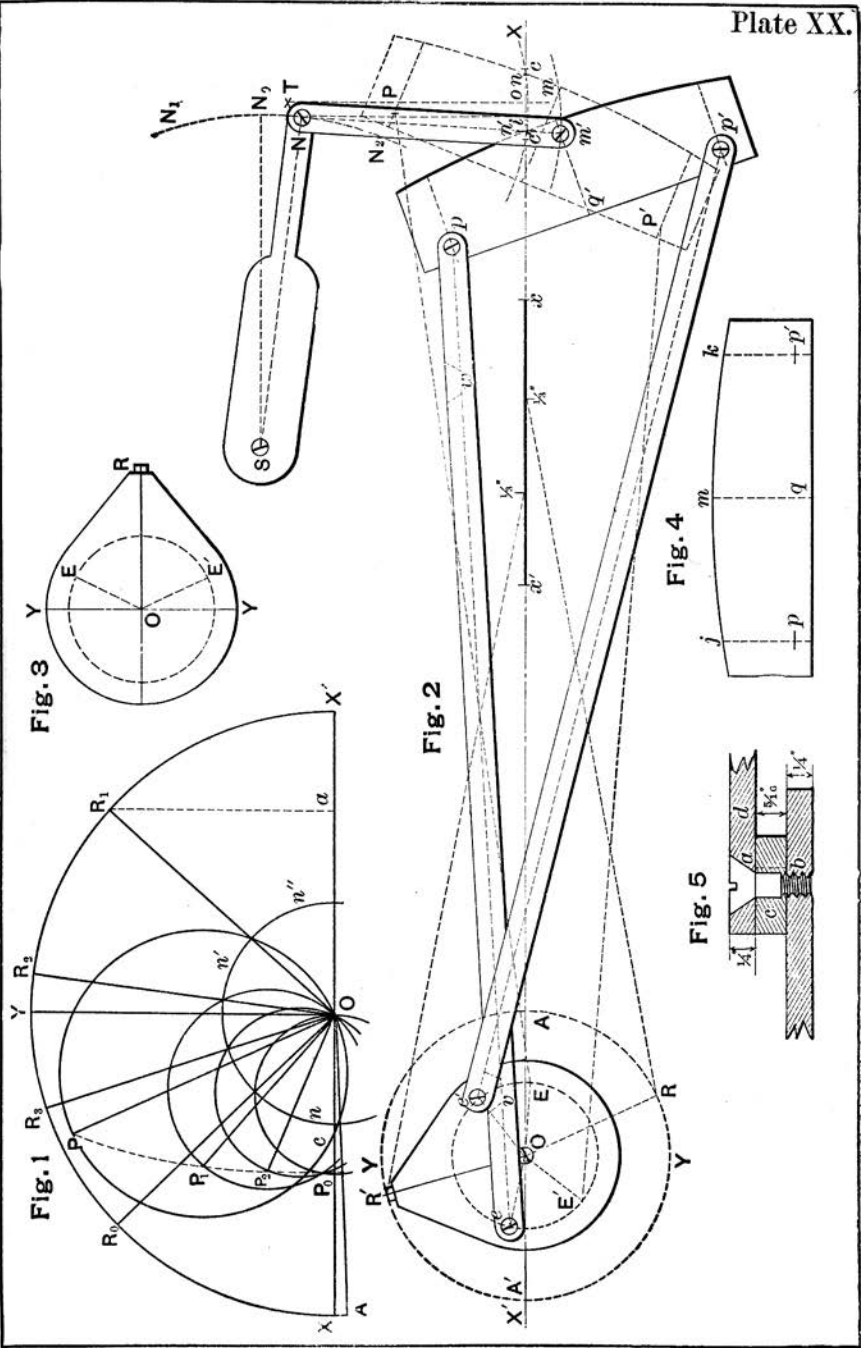


Fig. 1

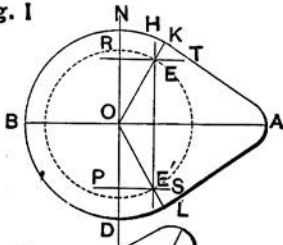


Fig. 2

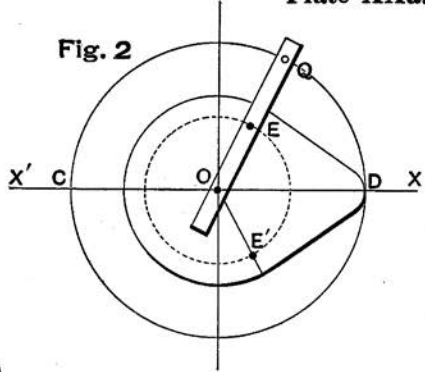


Fig. 3

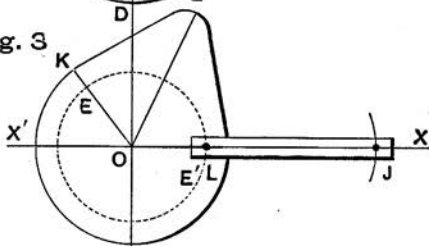


Fig. 4

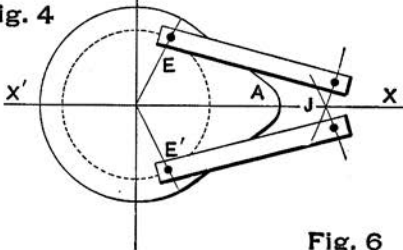


Fig. 5

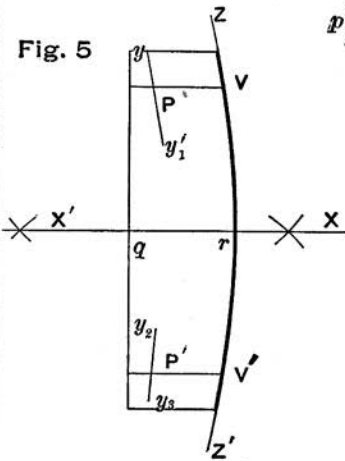


Fig. 6

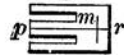


Fig. 7

