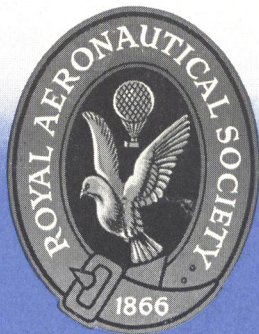


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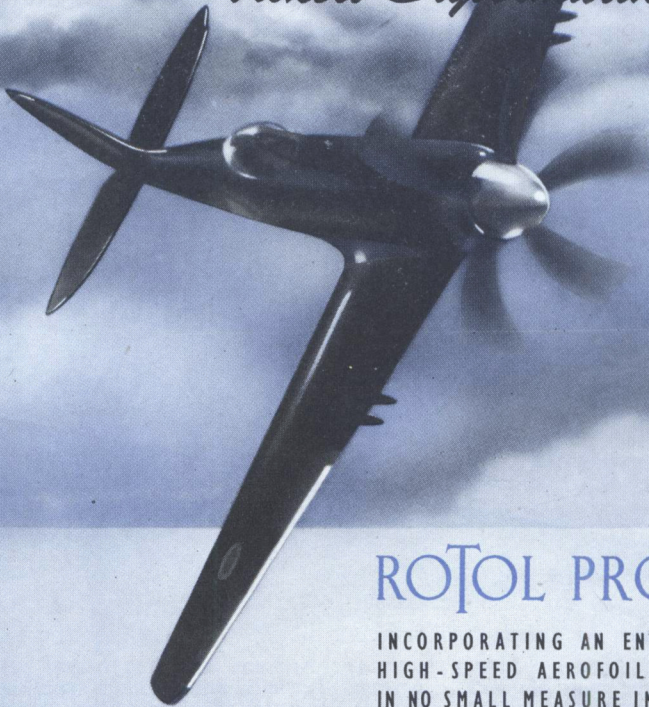
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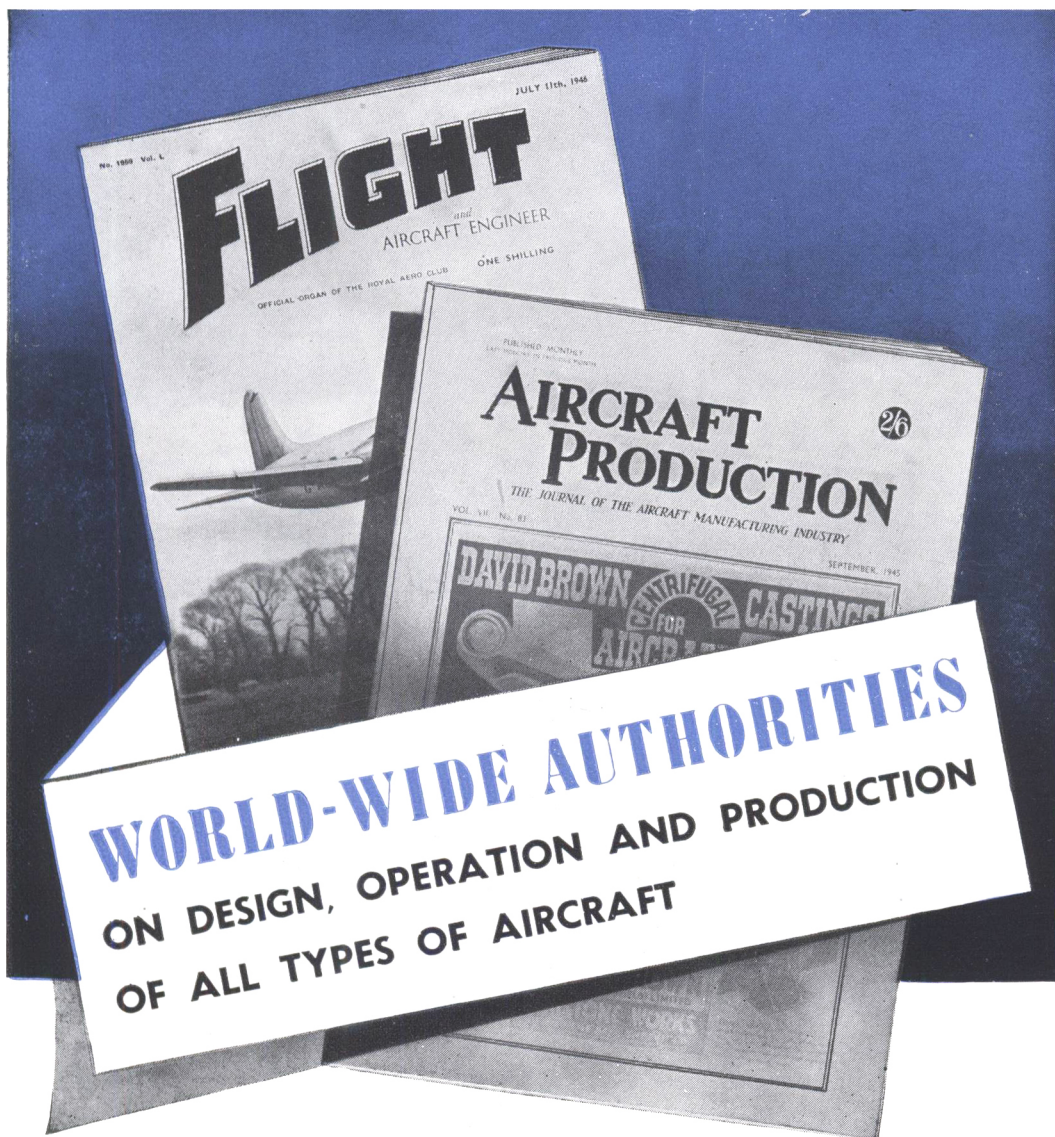
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$$W = 100,000 \text{ lb}; C_D = 0.018;$$
$$T = 288^\circ \text{K}; p = 14.7 \text{ lb/sq}''$$

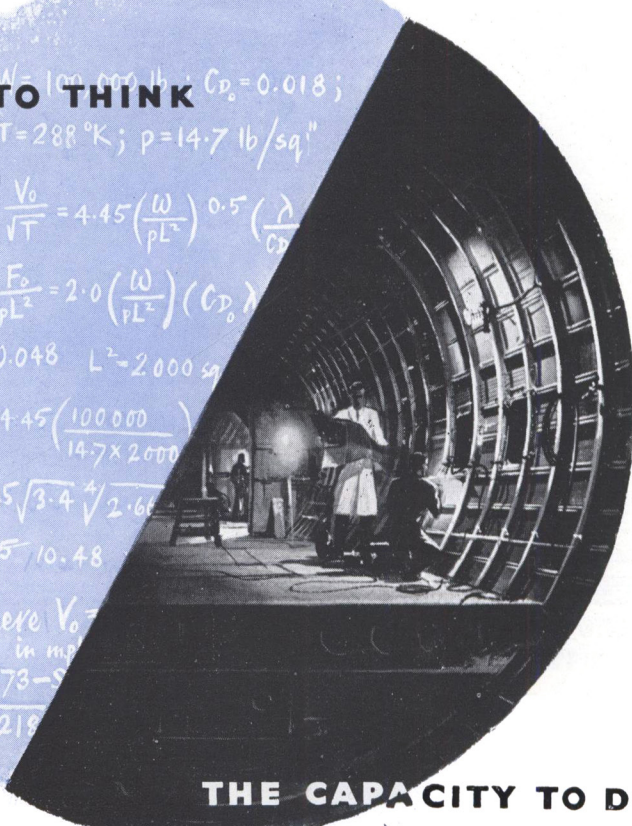
Find V/\sqrt{T}

$$V_0 = 4.45 \left(\frac{W}{pL^2} \right)^{0.5} \left(\frac{\lambda}{C_D} \right)$$

For a number of $\frac{F_0}{pL^2} = 2.0 \left(\frac{W}{pL^2} \right) (C_D \lambda)$

$$\lambda = 0.048 \quad L^2 = 2000 \text{ sq}$$
$$\frac{V_0}{\sqrt{T}} = 4.45 \left(\frac{100,000}{14.7 \times 2000} \right)$$
$$= 4.45 \sqrt{3.4} \sqrt{2.6}$$
$$= 10.45 \quad 10.48$$

10.5 -- where $V_0 =$
in mph
 $T = 273 - S$
 $10.5 \sqrt{218}$



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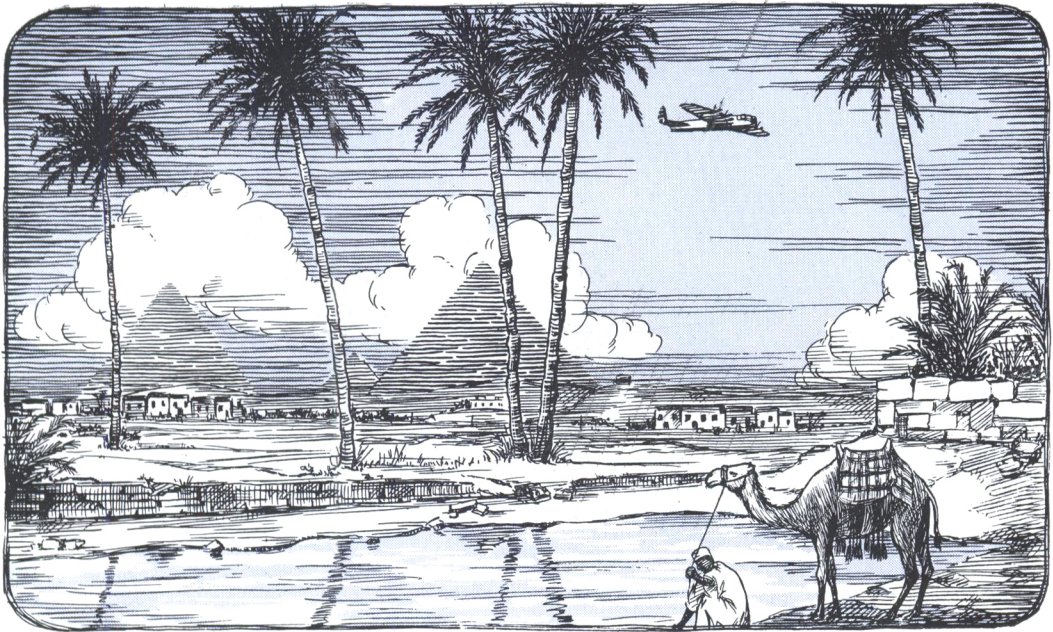


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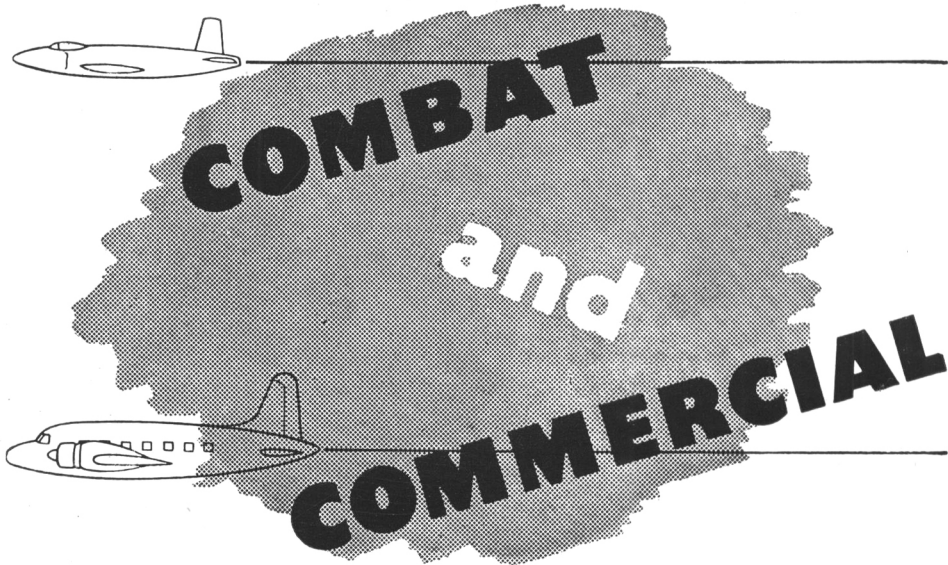
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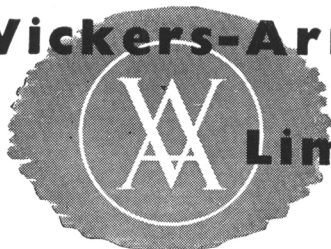
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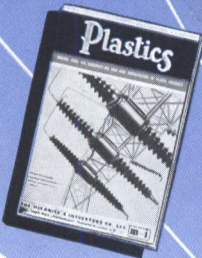
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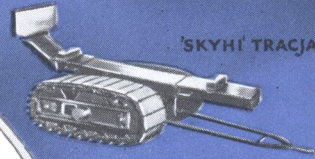
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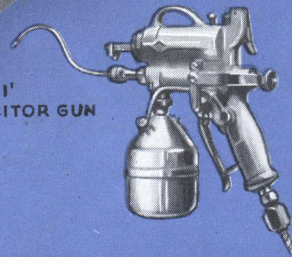
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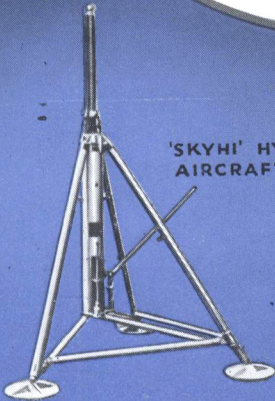
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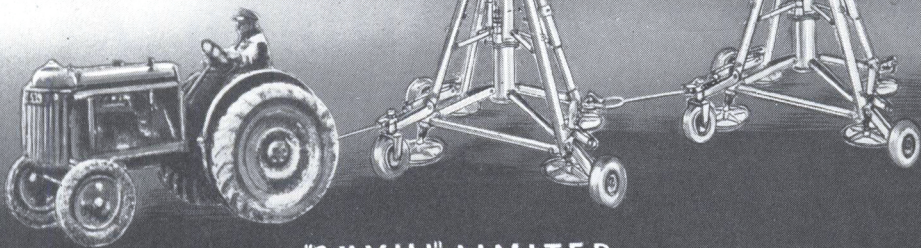
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