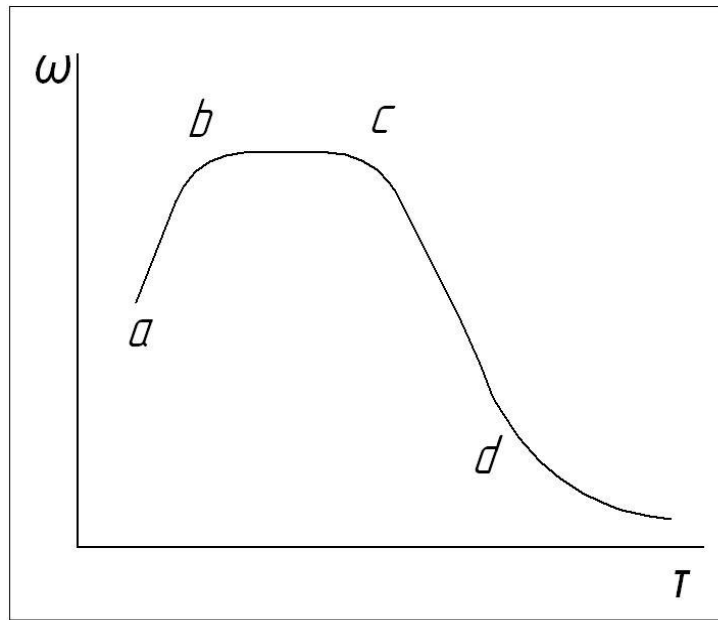


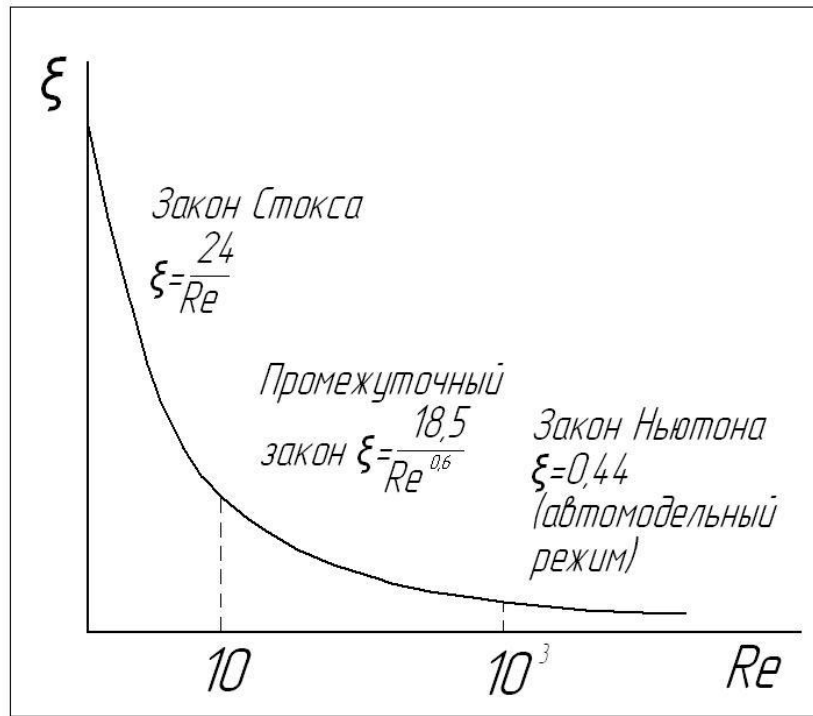
$$P - R = ma$$

$$\omega = 0 \text{ и } R = 0, \quad a_{\text{нач}} = \frac{P}{m} \quad - \text{ max.}$$

$a = 0$, т.е. $\omega = \text{const} = \omega_0$ – скорость осаждения.



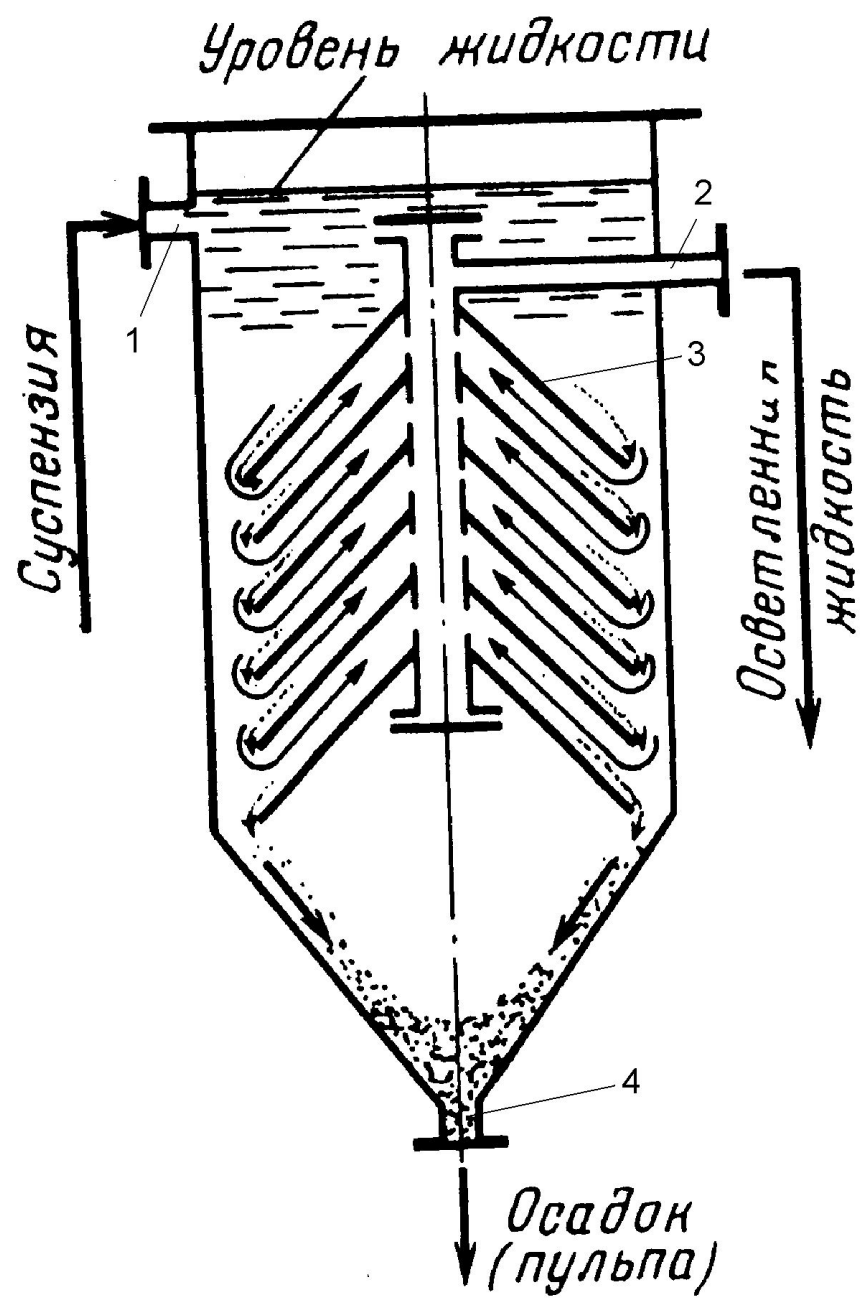
$$P = R = \xi F \frac{\rho \omega^2}{2}$$

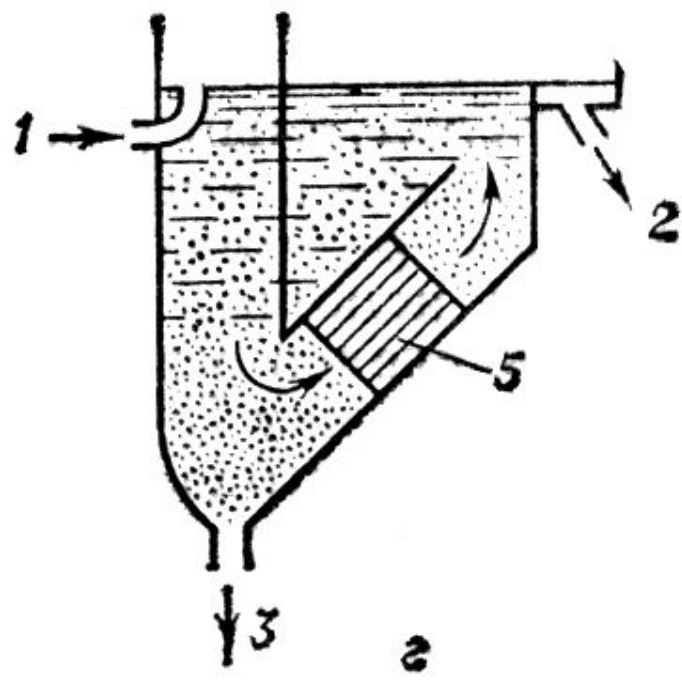
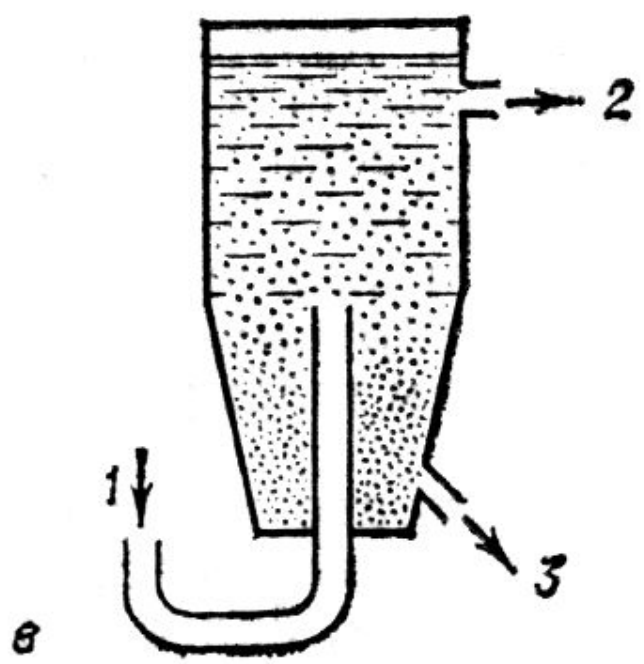
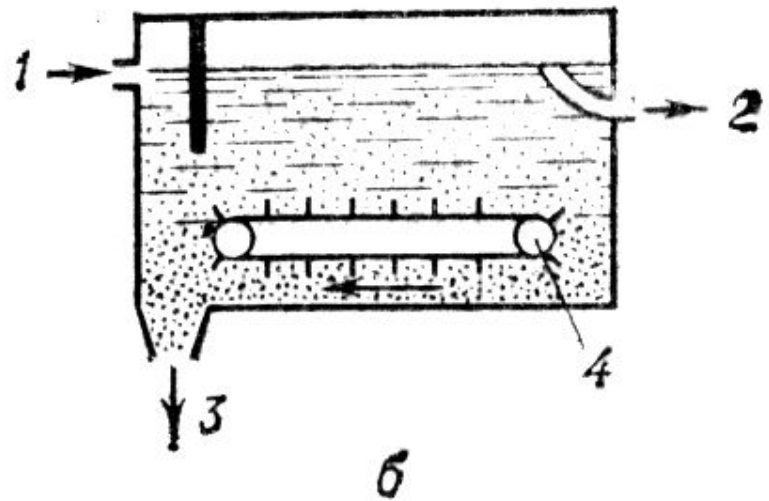
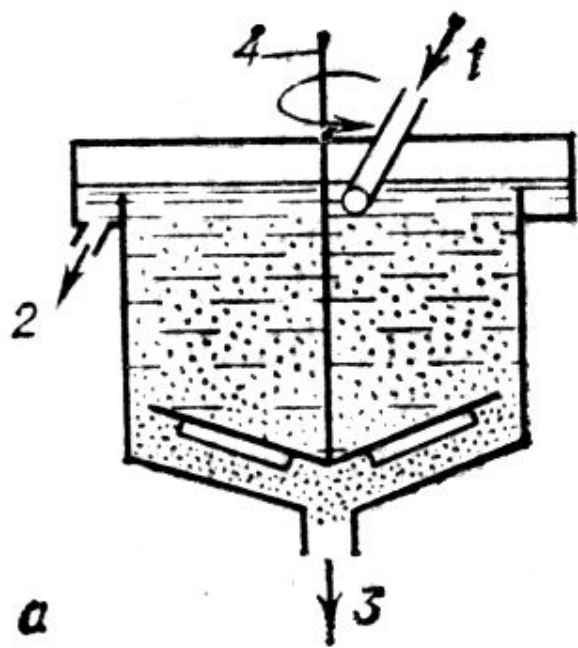


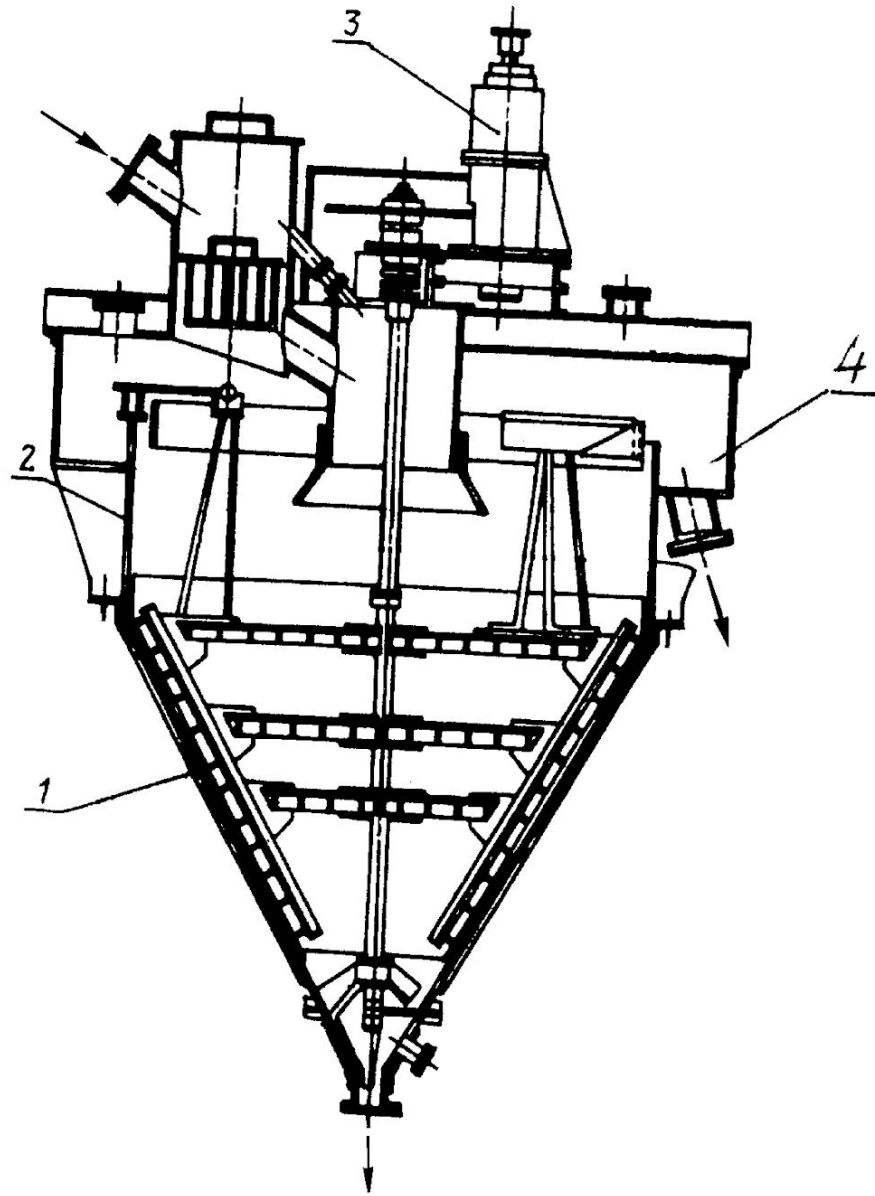
$$V = \frac{h \cdot F}{\tau}$$

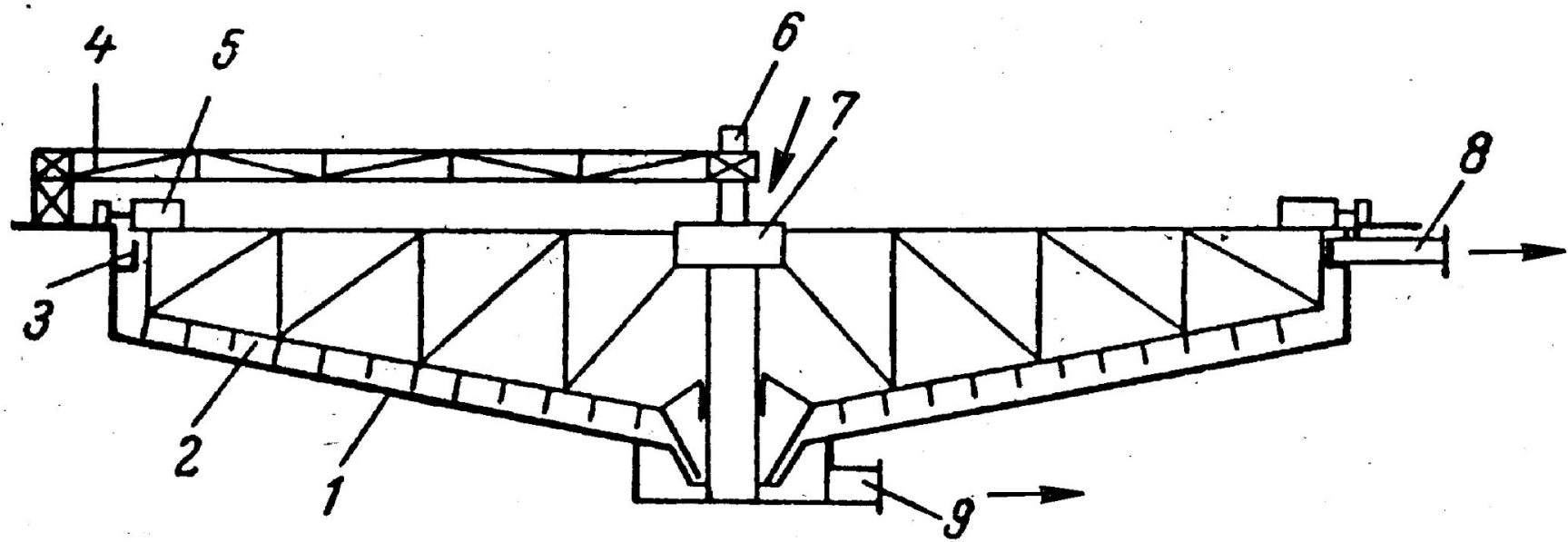
$$h = \omega_0 \cdot \tau$$

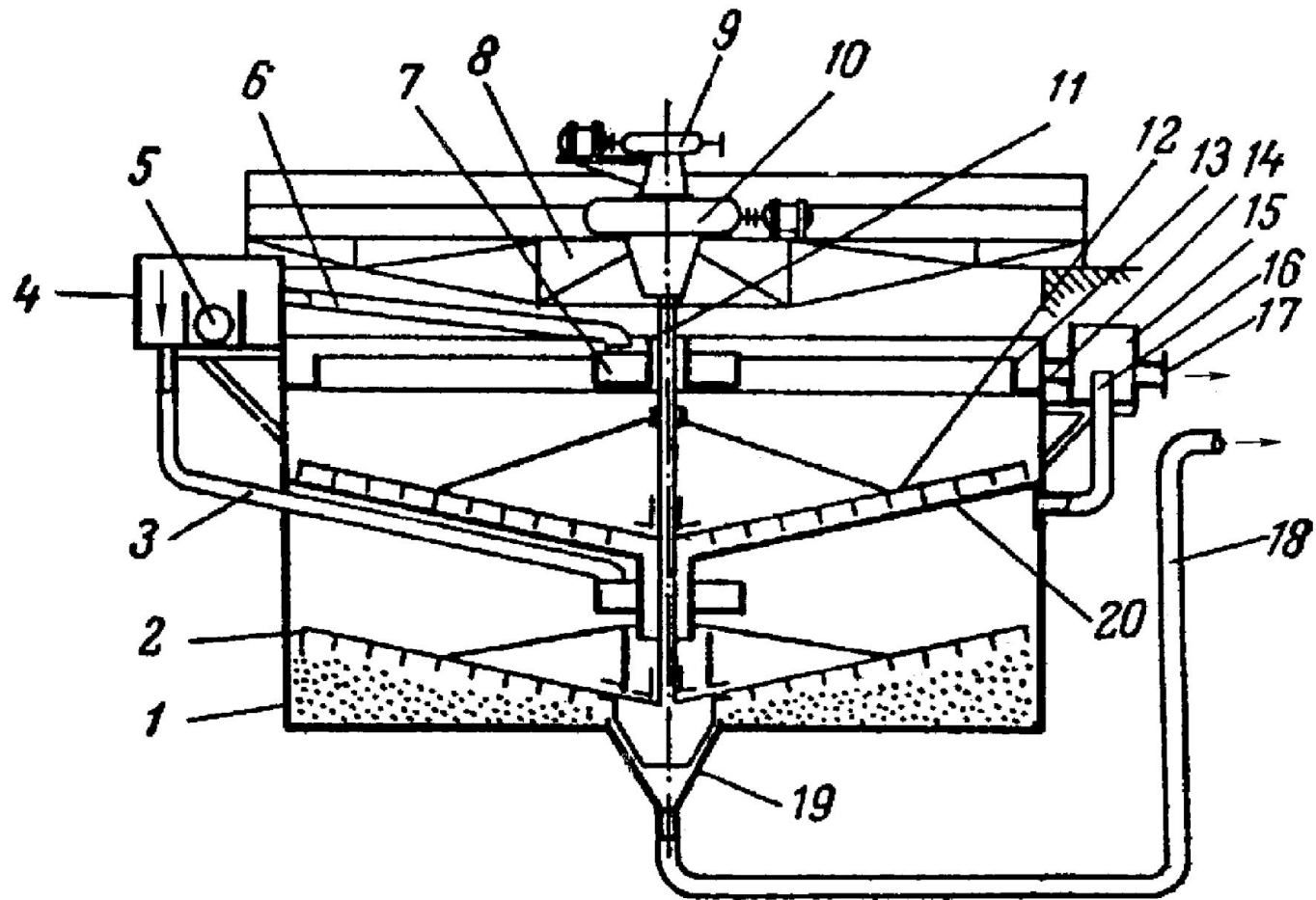
$$V = F \cdot \omega_0$$











$$\text{Re}_{\text{CT}} = \text{Ar} \varepsilon^{4,75} / \left(18 + 0,6 \sqrt{\text{Ar} \varepsilon^{4,75}} \right) \quad (1)$$

$$\text{Re}_{\text{CT}} = w_{\text{CT}} d \rho_{\text{ж}} / \mu_{\text{ж}}$$

$$\text{Ar} = \left(g \rho_{\text{ж}} d^3 / \mu_{\text{ж}}^2 \right) (\rho_{\text{T}} - \rho_{\text{ж}})$$

$$\psi = 4,836 V_{\text{ч}}^{2/3} / S_{\text{ч}} < 1,$$

$$d_{\text{ч}} = \left(\frac{6V_{\text{ч}}}{\pi} \right)^{1/3}.$$

$$\varepsilon = 1 - (c_{\text{H}} \rho_{\text{c}} / \rho_{\text{T}}),$$

$$\rho_{\text{c}} = 1 / \left(\frac{c_{\text{H}}}{\rho_{\text{T}}} + \frac{1 - c_{\text{H}}}{\rho_{\text{ж}}} \right)$$

$$F_{\text{oc}} = V_{\text{ocв}} / W_{\text{ст}}$$















