

: → → → .

, .
 , .
 $40 \times 100 \times 150$,
 2-4 ;

350 .
 210 .
 36 , 80 ,

30 , 10 .
 20-30 ;

1.

2.

! (. 1).

(. 2).

$$m^2 = \rho \cdot S \cdot c \cdot \tau$$

ρ - , S - , -
 (. .
)
 v,

$$m^2 v = f \cdot \tau = p \cdot S \cdot \tau$$

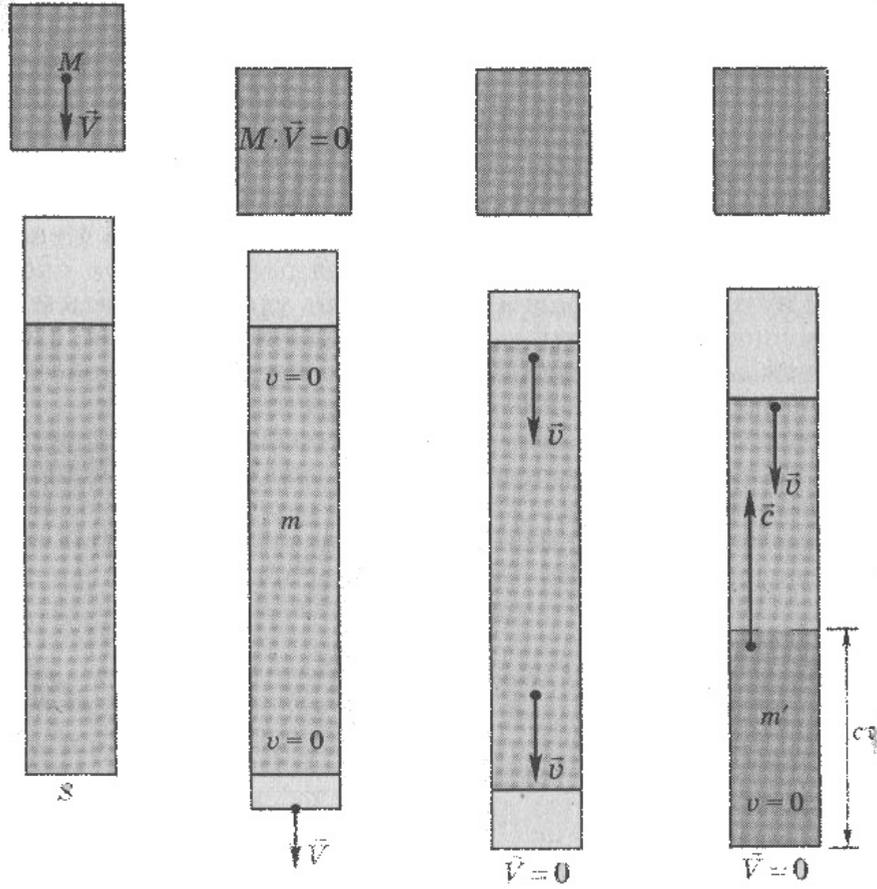
f - , - .



. 1

$$p = \rho \cdot c \cdot v \quad (1)$$

(= 1500 /),



.2

1899 .

«

».

(.2).

V,

$$\frac{M \cdot V^2}{2} = \frac{m \cdot v^2}{2}$$

$$v = \sqrt{\frac{M}{m}} V.$$

(1),

$$p = \rho \cdot c \cdot \sqrt{\frac{M}{m}} V \quad (2)$$

, , = . 0,5 ; $V = \sqrt{2gh} \approx 3$ / .
 (2), ,

$$p = 10^3 \cdot 1,5 \cdot 10^3 \cdot 3 = 45 \cdot 10^5 (\quad).$$

, 45 !

3. , 2,

3 / .

4. , ,

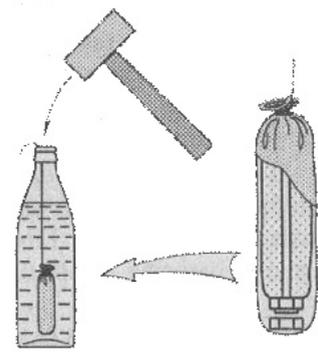
(2)

4 60 ,

5-6 ,

5.

(
).
2,
(. 3).
!



6.

. 3

!

— ∴ , 2007, c.220-224