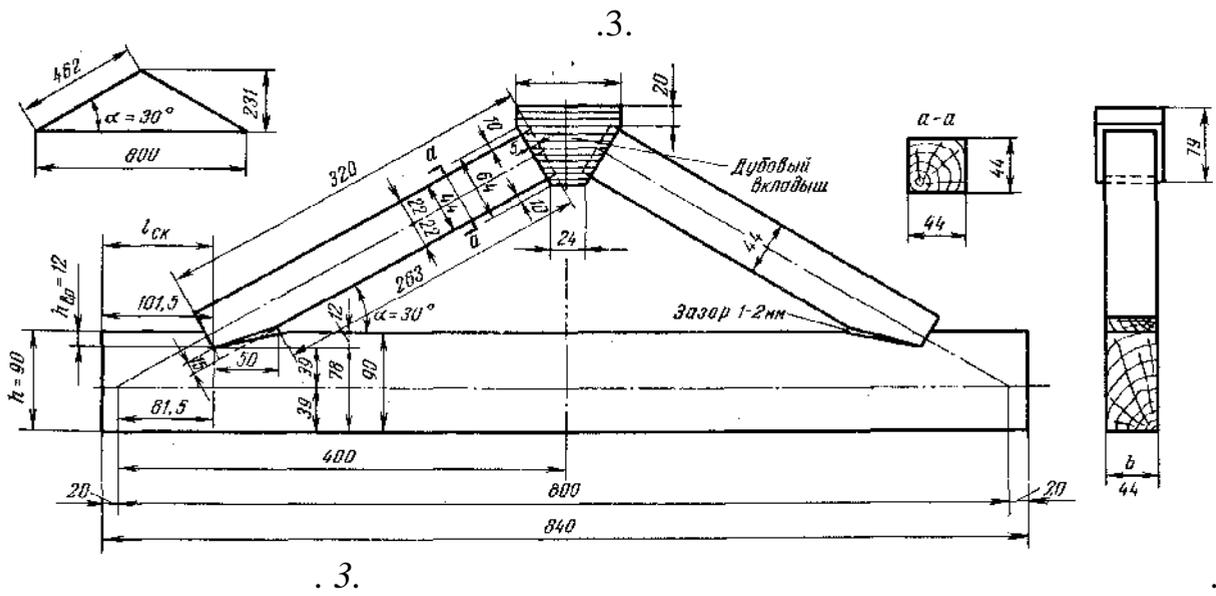


2.

1. N , [];
2. N_t , [];
3. δ , [];
4. D ;
- 5.



$b = \underline{\hspace{2cm}}$;

$h = \underline{\hspace{2cm}}$;

$h = \underline{\hspace{2cm}}$;

$$L = \text{_____} ;$$

$$= \text{_____} ;$$

$$\alpha = 30$$

$$\text{_____} (\quad 2- \quad)$$

$$W = \text{_____} \% .$$

(. . . 3

/2/)

$$R = \text{_____} ;$$

(. . .

3 /2/)

$$R_{90} = \text{_____} ;$$

$$\alpha = 30$$

$$R_{\alpha} = \frac{R}{1 + \left(\frac{R}{R_{90}} - 1 \right) \sin^3 \alpha} = \text{-----} = \text{_____} ,$$

$$R_{\alpha} - \quad \quad \quad \alpha;$$

$$R_c - \quad \quad \quad ;$$

$$R_{90} - \quad \quad \quad .$$

(.

. 3 /2/)

$$R^{\max} = \text{_____} ;$$

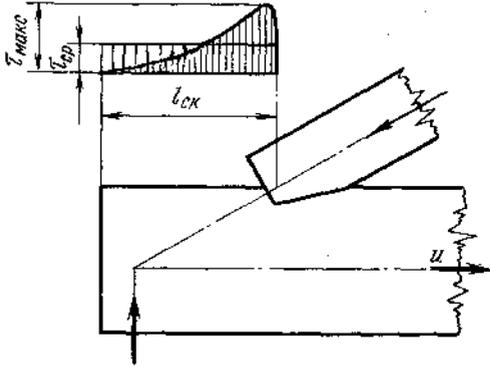
$$R = \frac{R^{\max}}{1 + \beta * \left(\frac{L}{\text{---}} \right)} = \text{-----} = \text{_____} ,$$

$$R -$$

, ;

L - ;
 - ; $\beta=0.25$
 $\beta=0.25,$ (.

.4).



.4.

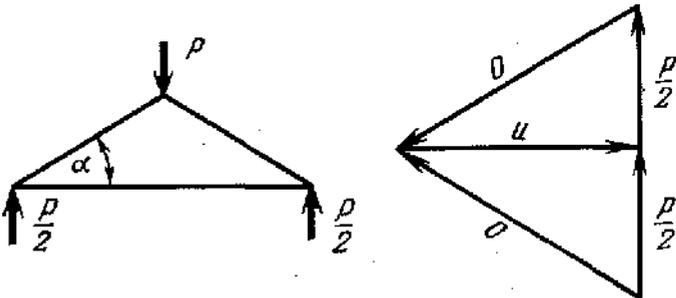
).

(.5):

$$U = \frac{P}{2 * \operatorname{tg} \alpha} ;$$

$$\operatorname{tg} = \operatorname{tg} 30^{\circ} = 0,577 ,$$

$$P = 2 * U * \operatorname{tg} \alpha = 2 * 0,577 * U \cong 1,15 * U$$



.5.

).

$$U = R * L * b = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} .$$

$$U = R_{\alpha} \cdot h \cdot b = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} .$$

).

,

N

$$= N \cdot = 1.15 \cdot U = \underline{\hspace{2cm}} =$$

_____ .

$$= N \cdot = 1.15 \cdot U = \underline{\hspace{2cm}} =$$

_____ .

).

(

) Nt

Nt

, , . ,

(. 3 /2/)

/3/:

(, .),

/5/.

Nt

$$Nt = \frac{N}{m} \cdot \gamma_m = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$m = 0,66 -$$

$$= 0,7 -$$

N

2-

Ym=1.1 -

,
/5/, =1;
/3/.

20
D

-5

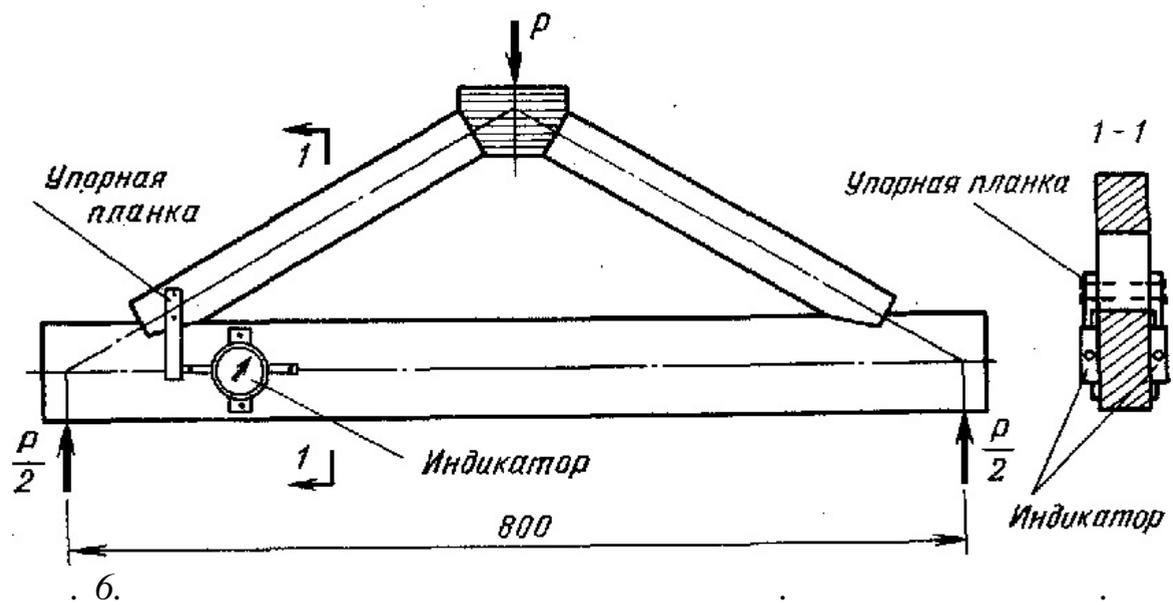
Nt.

. 6.

0.01

(N=0).

(.1).



- 1

D

(. .1).

8- - 10-

	1		2		()
	,	-	,	,	
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
			Nt,		
				δ	

* - (. .7, 8);

** -

$$\delta = D_{(N)} - \delta ;$$

. 1

:

,

()

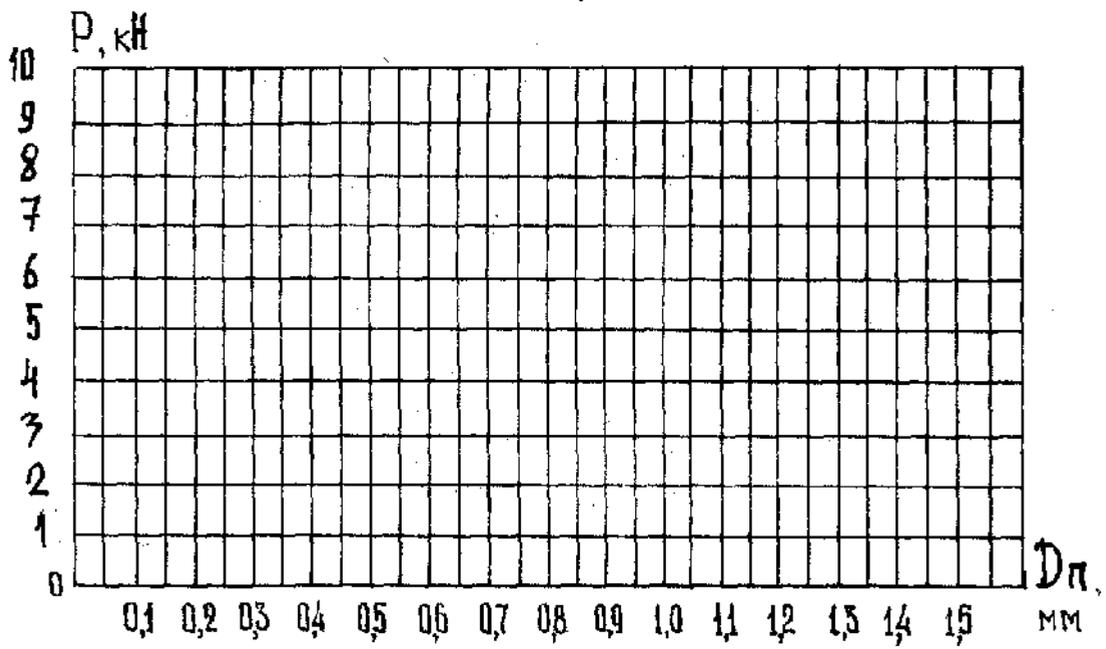
D

(.8).

δ

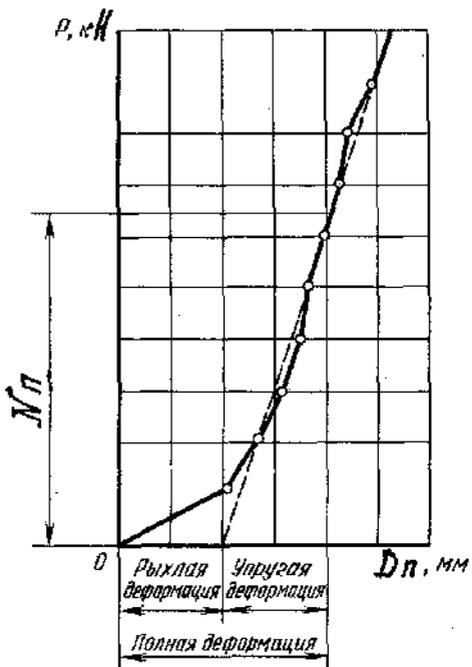
(.8)

δ



.7.

D



.8.

δ

δ

()

1.

() Nt

Nt = _____

() Nt

Nt = _____ .

$\frac{Nt - Nt}{Nt} * 100\% = \text{-----} * 100\% = \text{_____} \% .$

2.

$= \frac{Nt}{Nt} = \text{-----} = \text{_____}$

3.

δ

,

$\delta = \text{_____} .$

$\delta = \text{_____} .$

$\frac{\delta - \delta}{\delta} * 100\% = \text{-----} * 100\% = \text{_____} \% .$

δ

.16 /2/ .

()