

1.

1. —

ABC (1):
; 2 —

[1],

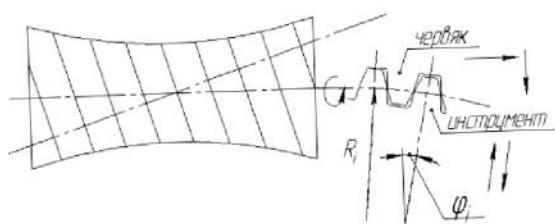
[2, 3].

2-

[1],

2,

2.



.2.

 R_i i

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 R_i

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1

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2-

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[1]

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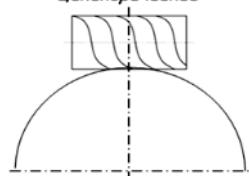
(.3).

,

4,

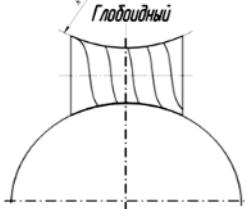
a)

Цилиндрический



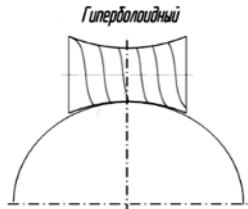
б)

Глобоидный



в)

Гиперболоидный

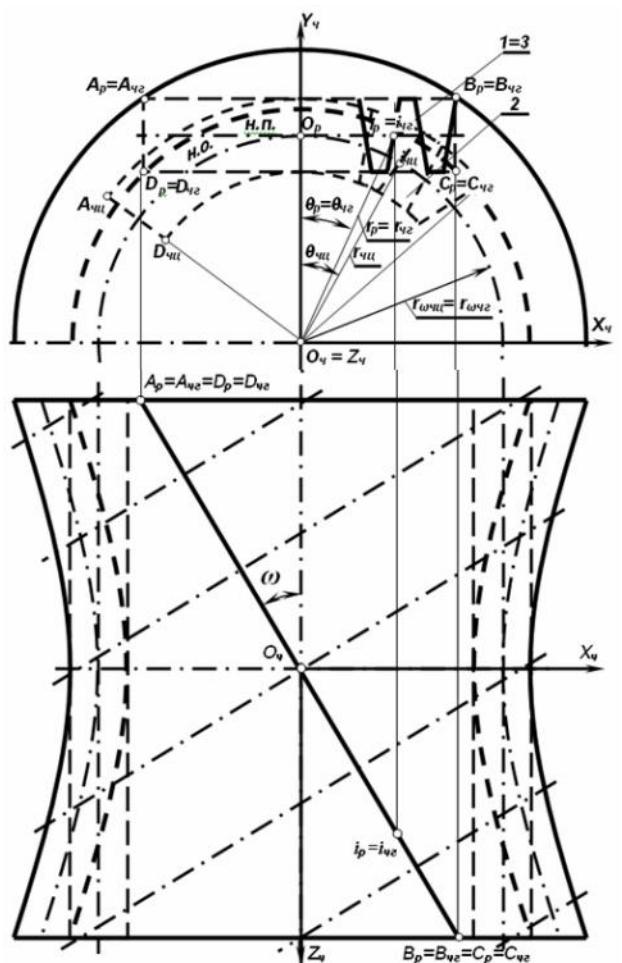


.3.

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. 4.

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3

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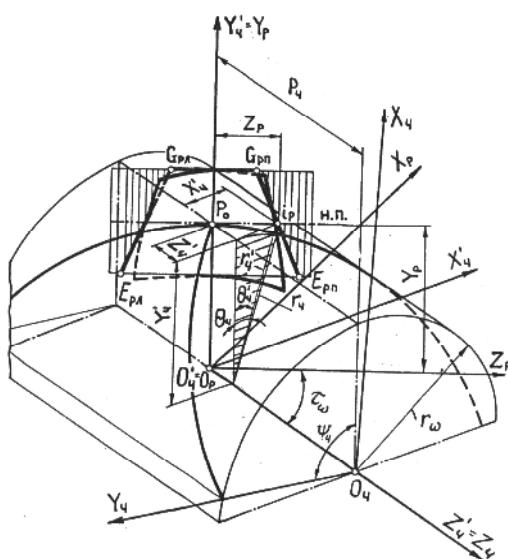
3

, ,

: $i = i$, $= r =$,

1

, ,

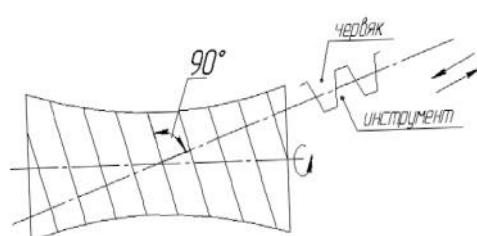


5.

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E



.6.

2200262 [2],

(.6).

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[1], 2200262 [2]

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(.7.).

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(.7.).

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(.7.). , , ,

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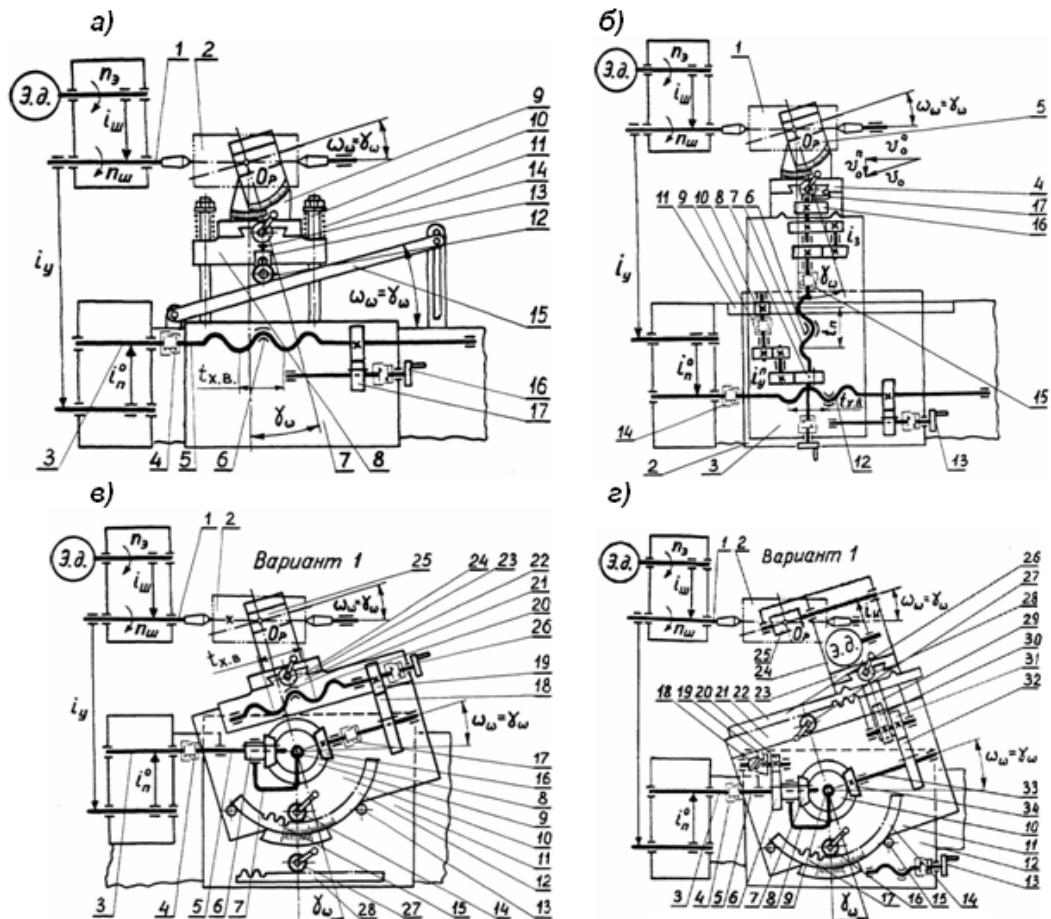
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(. . 8).

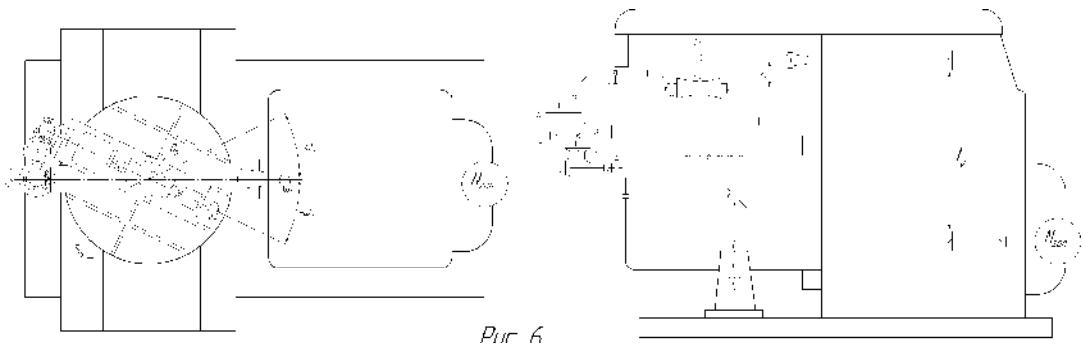


7.

[3],

,
 t

S



.8.

S_t

1

$$s_z = t \cos(\theta), \quad s_z = t \sin(\theta), \quad t = \dots$$

$$S_{\mathcal{Z}}.$$

S_v

s_z , s_x , s_z

i_s

$$s_x = t \cos(\theta), \quad s_y = t \sin(\theta), \quad t =$$

s_x

s_z

i_s

[3]

[4-6].

1.

2.

3.

4.

5.

2220062.

1.

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2220062

, 1996. - . 41-42. 2.

08.09.98. 7 2003. 3.
07.04.08.

98116838/28
2008 04415

15.05.10. 4.

XXI XIII
, 2006, 3. - 92-97. 5.

// XXI XIV
, 2007, 3. - 91-96. 6.

// XXI XV
, 2008, 3. - 4-9.

02.06.2010 .

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NEW TECHNOLOGICAL PROCESSES FOR TREATMENT OF HELICOIDAL WORM TRANSMISSIONS

Nastasenko V.A. (KHSMI, Kherson, Ukraine).

Modern trends of helicoidally worms transmissions and their influence on the process of production are shown on the bases of the analysis of the general ways of the improvement of worm transmission. According to these that ways which can be realized in the nearest future are determined. The simplest and the most effective variant of the equipment modernization which simplifies their manufacture considerably was suggested.

Keywords: helicoidally worm-gear, technological process.