95-0334

The invention relates to the m,achine building, particulary to the cogged articles with modified teeth production.

The aim of the invention is the increase of technological possibilities at the expense of obtaining the barrel-shepeness settled value. When treating the barrel;-shaped teeth of the spherical toothed article its longitudinal axle is installed at an angle to the generating axle with the gear ring intersection into the central cross-section plane in the co-ordinated angular travel conditions. For that the contact article is assigned in correspondence with $\gamma = (2R / b)[1/\sqrt{1-(b/2R)^2} - 1$ ú, wherein:

R - is the radius of the settled barrel-shapeness,

b - is the width of the article gear ring.