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The invention relates to the mechanical gears. The aim of the invention: reliability and service life increasing by means of engagement uniform loading. The rotation movement from the carrier 2 by the pin 3 is transmitted to the precession wheel 4 manufactured with two corona: the general 10 and the complementary one 11 having teeth in the form of rollers. The precession wheel 4 revolving around the rigid cone wheel 9 sends the rotation to the output shaft 7 through the cone wheel 8. The rotation axes of carrier 2 and output shaft 7 are mutual perpendicular. The cone wheels 8 and 9 and precession wheel 4 are carried by the spherical support 6.