

A hydraulic steering gear of a vehicle contains a housing, in which the piston is mounted dividing the cavity of housing into two working chambers connected through the distributor with the source of liquid pressure, steering rack located on the piston and which meshes with the toothed quadrant of the pitman arm shaft, shaft with the screw part, nut, female screw part of the shaft made as a unit with the piston and placed in the axial direction in one section with the steering rack, with return channel in the form of the bent tube, which connects the beginning and the end of the helical groove of the nut, and balls located between the shaft and the nut in the helical grooves and in the return channel. According to invention, in the nut coaxially with the ends of the tube, the bushings are mounted, the thickness of walls of which exceeds the thickness of the wall of tube, in this case some ends of bushings fit closely to the ends of tube, and on other the reflectors are made entering into the helical grooves. Invention ensures the increase in strength of surfaces, which direct balls into the tube, thus improving the reliability of operation of steering gear.