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(54) **TOOL POSITIONING STRUCTURE AND WORKING MACHINE**

(57) To make it possible to carry out tool position adjustment automatically with high accuracy.

A tool holder 10 is, on one end thereof, fixed on a shank 12 and has, on the other end thereof, a housing 16 wherein a tool 14 such as a boring bar is mounted on the side thereof, a drive mechanism 18 that imparts a force to rotate around the center axis of the shank 12, and a rotating force conversion mechanism 20 that is capable of adjusting the position of the tool 14 in the radial direction by converting the rotating force into linear motion in only one direction among radial directions of the shank 12.

FIG. 1

