

ABSTRACT

A tool magazine disclosed is fundamentally the same in construction as a corresponding prior art tool magazine but is capable of handling tools (T) of diameters greater than those of tools which can be handled by the prior art tool magazine. The tool magazine comprise a magazine body (59) provided with an endless guide groove (60A), and a plurality of tool pots (61) each for holding a tool, fixedly provided with guide members (70) engaging the endless guide groove (60A) for sliding movement along the guide groove. A feed mechanism (55) moves the tool pots (61) along the endless guide groove (60A) with idlers (62) in contact with the guide members (70) of adjacent tool pots, respectively. The idlers (62) are substantially the same in shape and dimensions as the guide members (70). The guide groove (60A) has horizontal guide surfaces (108) and vertical guide surfaces (109). A head portion (72) of the guide member (70) is in guided sliding contact with the horizontal guide surfaces (108). A guided porion (73) of the guide member (70) is in guided sliding contact with the vertical guide surfaces (109). A contact portion (74) of the guide member (70) is in engagement with the feed mechanism (55) to be fed thereby.

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