

A WEB-SPOOL FOR A CARTRIDGE

ABSTRACT

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A web-spool (40) for a cartridge (10) comprises a cylindrical core (44) having an outer periphery at each end thereof with at least one core lug (48) and an annular ring (52) extending radially outward from each periphery in axially spaced relation to form a core peripheral groove (54) therebetween at each core end. The annular rings (52, 52) at both core ends have respective inner tapered surfaces (56, 56) that face each other to initially guide a web (42) being wound onto the core (44), and also to provide clearance between the wound web edges and adjacent core flanges (46, 46), to thereby accommodate any web telescoping and thus permit the flanges (46, 46) to be readily secured to the core ends without interfering with the web edges. Each flange (46) has an axially inner surface with an annular throat (64) extending axially outward therefrom for receiving the core lug(s) (48) and annular ring (52). Within the annular throat (64) is at least one radially inwardly extending flange lug (66) with recesses (70 and 71) at both sides thereof, the flange lug(s) (66) being adapted to nest within the core peripheral groove (54), and the recesses (70 and 71) being adapted to receive the core lug(s) (48) and the core ring (52) respectively, when a core end is inserted into the flange throat (64), the core (44) and flange (46) then being rotatable relative to each other to secure them (44 and 46) together. Complementary ratchet teeth (55 and 78) are provided on opposed mating surfaces (76 and 80) of the core (44) and flange (46), to permit relative rotation therebetween in one direction for securing the two (44 and 46) together, and to prevent relative rotation in the opposite direction and consequent unintended disassembly of those members (44 and 46).

