

Title (en)
Adjustable fabric stretcher

Title (de)
Verstellbarer Warenbreithalter

Title (fr)
Elargisseur d'étoffe ajustable

Publication
EP 1033429 B1 20031008 (DE)

Application
EP 00104110 A 20000229

Priority
DE 19909207 A 19990303

Abstract (en)
[origin: EP1033429A2] Adjustable fabric spreader has rigid end pieces (2,3) at a fixed angular position in relation to each other but with a linear adjustment through a setting system. The end pieces (2,3) have a triangular shape, with their points downwards, and a quadrilateral is fitted to their upper corners, which can be adjusted for length but not for width, and is a square when in the center setting. The adjustable fabric spreader, especially for tubular knit goods from a circular knitter, has rigid end pieces (2,3) at a fixed angular position in relation to each other but with a linear adjustment through a setting system. During adjustment, the end pieces retain their shape and alignment. The shifts from the ideal square shape are relatively small. The gaps between the ends (11,12;14,15) of the end piece members (4-7) are the same for both end pieces (2,3), at the corners of the quadrilateral. The setting mechanism moves the end pieces (2,3) towards and away from each other, and holds the end pieces (2,3) in their alignment without a swing shift. The sliding members (4-7) have a fixed length, linked together without a swing movement.. The lower ends of the sliding members (4-7) are linked together by a U- or V-shaped connector (8,9). Each sliding member (4-7) has a carrier (21,22) at the center zone, to link each end piece (2,3) with the setting mechanism. The setting mechanism has a remote control or remote operation. The setting system has a drive (41) and a gearing which moves each end piece (2,3) in opposite directions for their relative linear positioning. The gearing has a spindle, cogwheel, cam or cable system. The setting mechanism can have a fluid drive or a handwheel (41) drive, or an electrical drive. The setting action brings a sprung and pliable positioning to the end pieces (2,3).

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D04B 15/88

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