

(12) **EUROPEAN PATENT APPLICATION**

(21) Application number: 81101872.0

(51) Int. Cl.³: **D 04 B 9/06**

(22) Date of filing: 13.03.81

(30) Priority: 19.03.80 IT 2077080

(43) Date of publication of application:
23.09.81 Bulletin 81/38

(88) Date of deferred publication of search report: 25.11.81

(84) Designated Contracting States:
DE FR GB

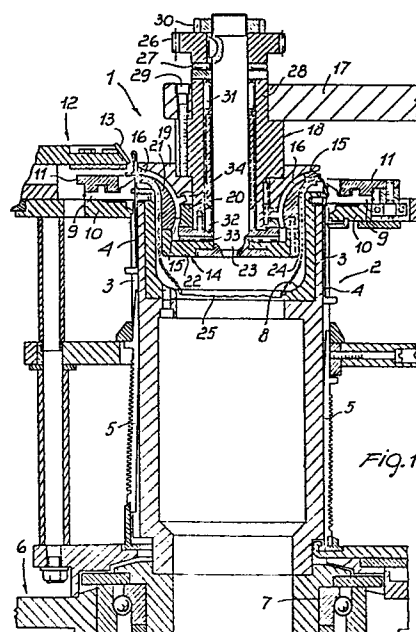
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(54) **Single-cylinder circular knitting machine having two needle beds for knitting plain and purl stitches.**

(57) In a single-cylinder circular knitting machine having two needle beds or needle-carrying structures (1,2), the lower structure (2) comprises a needle cylinder and the upper structure (1) penetrates for its major portion into the cylinder and has needle tricks (15) therein of arcuate shape with their center of curvature located on the same side as the cylinder, for accommodating arcuately bent latch needles (16). The needles (16) have their hooks and latches arranged on the convex side of the arcuate shape. They may have butts intended for controlling their movements, or be controlled by means of jacks. The upper needle-carrying structure (1) may advantageously be open at the center to allow the knitted fabric (25) to be pulled and/or discharged to the top. A machine of this type may have the same number of needles in both needle-carrying structures (1,2) even where the latter have small diameters, and a smaller height dimension than traditional needle cylinder and dial machines of equal diameter.





DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	US - A - 1 855 019 (GRIEVE) * Page 2, lines 5-47; figures 4-7 *	1	D 04 B 9/06
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A	DE - C - 168 (BIERNATZKI) * Page 4, left-hand column, lines 38-53; figure 4 *	1	
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A	DE - A - 2 613 179 (MAISEL) * Page 5, lines 1-8; figures *	1	TECHNICAL FIELDS SEARCHED (Int. Cl.)
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			CATEGORY OF CITED DOCUMENTS
			X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons
			&: member of the same patent family, corresponding document
<input checked="" type="checkbox"/> The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
The Hague	31-08-1981	V. GELDER	