



Espacenet

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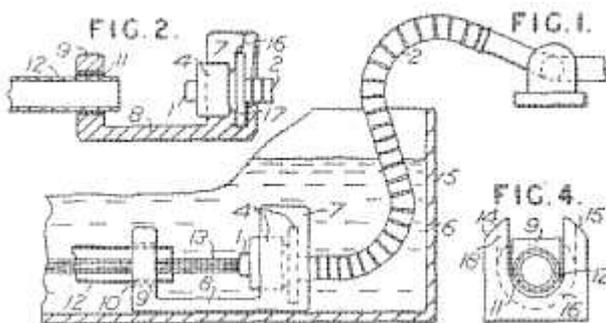
Improvements in and relating to spinning machines

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Abstract of GB 799379 (A)

<PICT:0799379/IV (a)/1> <PICT:0799379/IV (a)/2> <PICT:0799379/IV (a)/3> Apparatus for securing and positively locating a spinning jet, for use in the production of artificial filaments by the wet spinning process, comprises a union, with an externally projecting radial flange, for connecting a spinning jet to a flexible resilient supply-pipe, and a holder, for accommodating the union, with a seating for the forward face and outer edge of the flange, the latter being held securely, when in the holder, by the resilience of the supply-pipe forcing the forward face of the flange against the face of the seating.

Preferably the holder has a longitudinal U-shaped channel for accommodating the union and an entry passage for the flange to its seating, preferably in the form of a pair of slots cut in the walls of the channel and inclined at a small angle to the plane of the seating. The seating may enclose sufficient of the outer edge of the flange to prevent transverse movement of the jet. The holder may also serve to align a spinning tube, through which the freshly formed filaments pass, coaxially with the jet by means of a bracket attached at that end of it opposite to the channel for the union. The longitudinal axes of the union, the jet and the spinning tube may be horizontal and the face of the seating vertical. As shown in Fig. 1, a resilient flexible pipe 2 is connected at its submerged end to a jet 1 by a flanged union 4. Jet 1 is held in a bath 5 of coagulating liquid 6 by a holder 7 mounted on a base 8. A bracket 9 also mounted on base 8 has an aperture 10 lined with a resilient bush 11 into which is fitted the end of a glass tube 12, the latter being coaxially aligned with jet 1 so that freshly formed filaments 13 pass through tube 12 to a take-up device (not shown). Referring to Figs. 2 and 4 the holder 7 has two walls 14, 15 between which is cradled the jet union 4. A seating 16 is cut into walls 14, 15 for a flange 17 of union 4 which is urged into position by the resilient nature of pipe 2. The seating encloses more than 180 degrees of the circumference of the flange 17 so that, when the union 4 is in position, no transverse movement of the jet is possible. To provide access for the flange 17 to the seating 16, a pair of lead-in slots 18, one in each wall 14, 15, are cut in a plane set at an angle to the plane of, and leading into, the seating 16.



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