

The invention relates to the textile industry, in particular to the carpet weaving, and may be applied in both mechanical and manual confection of carpets.

The process consists in catching of a knot-forming thread portion with the hooks of the thread catching members of the knotting device, placement of the knot-forming thread transversal to two adjacent warp threads over the right side of the carpet, separation of two adjacent warp threads by introduction between them of a separator of the knotting device, bending of two adjacent threads of the knot-forming thread warp by displacement of the knotting device over the carpet inside and knotting by extraction of the knot-forming threads ends over the right side of the carpet between two adjacent warp threads. When bending two adjacent warp threads around the knot-forming thread, the warp threads pass between the thread catching members and the separator over the inside of the thread catching members up to the base of the knotting device head, and when knotting, the warp threads fetch up into the clearance between the thread catching members and the head teeth, bending by turns the flat springs.

The device contains a head, inside of which it is fixed a separator of the warp threads, on both sides of which there are placed two thread catching members with hooks. Novelty consists in that the head is made in the form of a fork, the head teeth, the separator and the thread catching members are placed in the form of parallel plates, onto the interior surface of the head teeth along the longitudinal axis of the device, there are made grooves, and onto the surface of each thread catching member from the head teeth end, along the longitudinal axis of the device, at an angle with it, there are fixed flat springs, oriented towards the open end of the head, the amount of which correspond to the amount of grooves into the head teeth, the free ends of the flat springs being into the grooves of the head teeth, the thread catching members are tightened to the separator and installed into the head, forming a clearance between their interior face and the base of the head, the external ends of each thread catching member are curved towards the corresponding head tooth, and the hooks are placed onto the ribs of the thread catching members.

The result consists in increasing the output of the device due to the simplification of the construction thereof and exclusion of a series of technological operations.