

D 03 J AUXILIARY WEAVING APPARATUS; WEAVERS' TOOLS; SHUTTLES

1/00 Auxiliary apparatus combined with or associated with looms

- 1/02 . for treating warp, e.g. cleaning, moistening
- 1/04 . for treating weft
- 1/06 . for treating fabric (cutting pile on the loom [D 03 D 39/24](#))
- 1/08 . . for slitting fabric
- 1/10 . for indicating pattern to weaver
- 1/12 . transferring bobbins between loom and winding station (bobbin-winding machines [B 65 H](#))
- 1/13 . for leasing warp (leasing in general [D 02 H 9/00](#)) [2]
- 1/14 . Apparatus for threading warp stop-motion droppers, healds, or reeds
- 1/16 . Apparatus for joining warp ends (knot-tying tools [3/00](#))
- 1/18 . . for joining, e.g. tying, a complete series of fresh warp threads to the used warp threads
- 1/20 . Measuring length of fabric or number of picks woven
- 1/22 . Temples
- 1/24 . Mirrors or other arrangements for inspecting loom parts

3/00 Weavers' tools, e.g. knot-tying tools

- 3/02 . Reed and heald hooks
- 3/04 . Shuttle-threading tools (threading devices in shuttles [5/20](#))

5/00 Shuttles (swivel shuttles [D 03 D 31/00](#); shuttles for smallware looms [D 03 D 35/00](#); circular loom shuttles [D 03 D 37/00](#); selvedge shuttles [D 03 D 47/46](#))

- 5/02 . Construction of shuttle body
- 5/04 . . Shuttle tips
- 5/06 . Dummy shuttles; Gripper shuttles
- 5/08 . Supports for pirns, bobbins, or cops
- 5/10 . . Pegs or spindles
- 5/12 . . . removable
- 5/14 . . . pivoted
- 5/16 . . Bobbin clamps, e.g. for automatic bobbin-changing loom shuttles
- 5/18 . . for coreless cops, i.e. shuttles having no peg or bobbin clamp
- 5/20 . Devices in shuttles for threading (separate tools for threading shuttles [3/04](#))
- 5/22 . . for self-threading, i.e. threading automatically when shuttle is picked
- 5/24 . Tension devices