

**CPC****COOPERATIVE PATENT CLASSIFICATION****D03J****AUXILIARY WEAVING APPARATUS; WEAVERS' TOOLS; SHUTTLES****D03J 1/00****Auxiliary apparatus combined with or associated with looms**

D03J 1/001

- . {Cloth or warp beam replacement}

D03J 1/002

- . {Climatic conditioning or removing lint or dust}

D03J 1/003

- . {Devices for lubricating machine parts}

D03J 1/004

- . {Detection and repair of broken warp yarns}

D03J 1/005

- . { Displays or displaying data}

D03J 1/006

- . { Controlling a group of looms}

D03J 1/007

- . { Fabric inspection on the loom and associated loom control}

D03J 1/008

- . { Cooling systems}

**WARNING**

Not complete pending the completion of a reclassification; see also group [D03J 1/00](#)

D03J 1/02

- . for treating warp, e.g. cleaning, moistening

D03J 1/04

- . for treating weft

D03J 1/06

- . for treating fabric ([cutting pile on the loom D03D 39/24](#))

D03J 1/08

- . . for slitting fabric

D03J 1/10

- . for indicating pattern to weaver

D03J 1/12

- . transferring bobbins between loom and winding station ([bobbin-winding machines B65H](#))

D03J 1/13

- . for leasing warp ([leasing in general D02H 9/00](#))

D03J 1/14

- . Apparatus for threading warp stop-motion droppers, healds, or reeds

D03J 1/16

- . Apparatus for joining warp ends ([knot-tying tools D03J 3/00](#))

D03J 1/18

- . . for joining, e.g. tying, a complete series of fresh warp threads to the used warp threads

D03J 1/20

- . Measuring length of fabric or number of picks woven

D03J 1/22

- . Temples

D03J 1/223

- . . {acting on the full width of cloth}

D03J 1/226

- . . {provided with a thread cutter}

D03J 1/24

- . Mirrors or other arrangements for inspecting loom parts

**D03J 3/00****Weavers' tools, e.g. knot-tying tools**

D03J 3/02

- . Reed and heald hooks

D03J 3/04

- . Shuttle-threading tools ([threading devices in shuttles D03J 5/20](#))

**D03J 5/00**

**Shuttles** ([swivel shuttles D03D 31/00](#); [shuttles for smallware looms D03D 35/00](#); [circular loom shuttles D03D 37/00](#); [selvedge shuttles D03D 47/46](#))

- D03J 5/02 . Construction of shuttle body
- D03J 5/04 . . Shuttle tips
- D03J 5/06 . Dummy shuttles; Gripper shuttles
- D03J 5/065 . . {for travelling-wave-shed looms}
- D03J 5/08 . Supports for pirns, bobbins, or cops
- D03J 5/10 . . Pegs or spindles
- D03J 5/12 . . . removable
- D03J 5/14 . . . pivoted
- D03J 5/16 . . Bobbin clamps, e.g. for automatic bobbin-changing loom shuttles
- D03J 5/18 . . for coreless cops, i.e. shuttles having no peg or bobbin clamp
- D03J 5/20 . Devices in shuttles for threading ([separate tools for threading shuttles D03J 3/04](#))
- D03J 5/22 . . for self-threading, i.e. threading automatically when shuttle is picked
- D03J 5/24 . Tension devices

**D03J 2700/00**

**Auxiliary apparatus associated with looms; Weaving combined with other operations; Shuttles**

- D03J 2700/02 . Treatment of the weaving material on the loom, e.g. sizing, humidifying, cleaning
- D03J 2700/04 . Efficiency control of looms
- D03J 2700/06 . Auxiliary devices for inspecting, counting or measuring
- D03J 2700/10 . Shuttles
- D03J 2700/12 . . for automatic bobbin changing
- D03J 2700/14 . . Gripper shuttles
- D03J 2700/16 . . . with warp or weft stop motion