

**CPC****COOPERATIVE PATENT CLASSIFICATION****D03J****AUXILIARY WEAVING APPARATUS; WEAVERS' TOOLS; SHUTTLES****Guidance heading:****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

### **Guidance heading:**

### **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