

CPC**COOPERATIVE PATENT CLASSIFICATION****D03C****SHEDDING MECHANISMS; PATTERN CARDS OR CHAINS;
PUNCHING OF CARDS; DESIGNING PATTERNS****WARNING**

The following IPC groups are not used in the CPC scheme. Subject-matter covered by these groups is classified in the following CPC groups: - [D03C 9/04](#) covered by [D03C 9/028](#)

D03C 1/00**Dobbies****D03C 1/005**

- {Electronic dobbies}

WARNING

Not complete pending the completion of a reclassification, see also group [D03C 1/00](#)

D03C 1/02

- Single-lift dobbies, i.e. dobbies in which the same draw-knife or equivalent operates for every pick ([D03C 1/10 takes precedence](#))

D03C 1/04

- . Open-shed single-lift dobbies

D03C 1/06

- Double-lift dobbies, i.e. dobbies in which separate draw-knives or equivalent operate on alternate picks

D03C 1/08

- . reversible, i.e. correct sheds open automatically when the loom is driven backwards

D03C 1/10

- Centre-shed dobbies, i.e. shed formed by lifting some threads and lowering the others from central shed-closed position

D03C 1/12

- Dobbies employing toothed gearing instead of draw-knives

D03C 1/14

- Features common to dobbies of different types ([stop motions acting on defective operation of shedding mechanisms D03D 51/46](#))

D03C 1/142

- . {Leveling mechanisms}

WARNING

Not complete pending the completion of a reclassification, see also group [D03C 1/14](#)

D03C 1/144

- . {linking to the heald frame}

WARNING

Not complete pending the completion of a reclassification, see also group [D03C 1/14](#)

D03C 1/146

- . {Independent drive motor}

WARNING

Not complete pending the completion of a reclassification, see also group [D03C 1/14](#)

- D03C 1/148
 - . . {Eccentrics}
 - WARNING**
 - Not complete pending the completion of a reclassification, see also groups [D03C 1/00](#) and [D03C 1/14](#)
- D03C 1/16
 - . . Arrangements of dobby in relation to loom
- D03C 1/18
 - . . Knives; Knife frames
- D03C 1/20
 - . . Hooks; Lifters
- D03C 1/22
 - . . Needles; Needle boxes; Needle boards
- D03C 1/24
 - . . Cylinders; Cylinder battens
- D03C 1/26
 - . . Facilitating engagement of lifting-hooks with draw-knives
- D03C 1/28
 - . . . by creating and then eliminating back-lash between hooks and knives
- D03C 1/30
 - . . . wherein all the hooks are disengaged from the knives, and selected hooks then re-engaged
- D03C 1/32
 - . . . wherein all the hooks are engaged with the knives, and unselected hooks then disengaged
- D03C 1/34
 - . . Arrangements wherein warp threads pass one another at different heights to avoid congestion
- D03C 1/36
 - . . Card- or chain-saving arrangements, e.g. cross-border dobbies
- D03C 3/00**
 - Jacquards** (controlling jacquard by scanning design [D03C 17/06](#); for gripper Axminster looms [D03D 39/08](#))
- D03C 3/02
 - . Single-lift jacquards
- D03C 3/04
 - . . of open-shed type
- D03C 3/06
 - . Double-lift jacquards
- D03C 3/08
 - . . of open-shed type
- D03C 3/10
 - . Centre-shed jacquards
- D03C 3/12
 - . Multiple-shed jacquards, i.e. jacquards which move warp threads to several different heights, e.g. for weaving pile fabrics
- D03C 3/14
 - . Jacquards not employing lifting-hooks, e.g. employing knotted cords in conjunction with keyhole slots
- D03C 3/16
 - . Verdol or other jacquards having intermediate power-operated needles between reading needles and lifting-hooks
- D03C 3/18
 - . Selvage jacquards
- D03C 3/20
 - . Electrically-operated jacquards
- D03C 3/205
 - . . {Independently actuated lifting cords}
 - WARNING**
 - Not complete pending the completion of a reclassification, see also group [D03C 3/20](#)
- D03C 3/22
 - . Fluid-operated jacquards
- D03C 3/24
 - . Features common to jacquards of different types
- D03C 3/26
 - . . General arrangements of jacquards, or disposition in relation to loom

- D03C 3/28 . . Pick-finding arrangements; Arrangements for preventing next shed from being opened during stopping of loom
- D03C 3/30 . . Arrangement wherein hooks are positively operated to close shed
- D03C 3/32 . . Jacquard driving mechanisms
- D03C 3/34 . . . Cylinder operating mechanisms
- D03C 3/36 . . . Griffe operating mechanisms
- D03C 3/38 . . Comber boards
- D03C 3/40 . . Constructions of lifting-cords
- D03C 3/42 . . Arrangements of lifting-cords
- D03C 3/44 . . Lingoos

D03C 5/00 Cam or other direct-acting shedding mechanisms, i.e. operating heald frames without intervening power-supplying devices

- D03C 5/005 . {Leveling mechanisms}

WARNING

Not complete pending the completion of a reclassification, see also groups [D03C 5/00](#) and [D03C 5/02](#)

- D03C 5/02 . operated by rotating cams
- D03C 5/04 . . Construction or shape of cams ([cams in general F16H 53/00](#))
- D03C 5/06 . operated by cam devices other than rotating cams

D03C 7/00 Leno or similar shedding mechanisms

- D03C 7/005 . {Combined leno and patterned shedding motion}

WARNING

Not complete, classification to this group is a continuous process

- D03C 7/02 . Gauze healds
- D03C 7/04 . Mechanisms having discs oscillating about a weftwise axis and having apertures for warp threads
- D03C 7/06 . Mechanisms having eyed needles for moving warp threads from side to side of other warp threads
- D03C 7/08 . Devices for twisting warp threads repeatedly in the same direction

D03C 9/00 Healds; Heald frames ([for leno shedding D03C 7/00](#))

- D03C 9/02 . Healds
- D03C 9/022 . . {anti-buckling}

WARNING

Not complete pending the completion of a reclassification, see also group [D03C 9/02](#)

D03C 9/024	<ul style="list-style-type: none"> . . {Eyelets} <p><u>WARNING</u></p> <p>Not complete pending the completion of a reclassification, see also group D03C 9/02</p>
D03C 9/026	<ul style="list-style-type: none"> . . {Material used} <p><u>WARNING</u></p> <p>Not complete pending the completion of a reclassification, see also group D03C 1/14</p>
D03C 9/028	<ul style="list-style-type: none"> . . . {Metal}
D03C 2009/04	<ul style="list-style-type: none"> . . {Metal healds}
D03C 9/06	<ul style="list-style-type: none"> . Heald frames
D03C 9/0608	<ul style="list-style-type: none"> . . {Construction of frame parts}
D03C 9/0616	<ul style="list-style-type: none"> . . . {Horizontal upper or lower rods}
D03C 9/0625	<ul style="list-style-type: none"> {Composition or used material}
D03C 9/0633	<ul style="list-style-type: none"> {Heald bars or their connection to other frame parts}
D03C 9/0641	<ul style="list-style-type: none"> {Distance guides for keeping distance to the next frame}
D03C 9/065	<ul style="list-style-type: none"> . . . {Side stays}
D03C 9/0658	<ul style="list-style-type: none"> . . . {Intermediate supports or their connection to other frame parts}
D03C 9/0666	<ul style="list-style-type: none"> . . {Connection of frame parts (D03C 9/0633 and D03C 9/0658 take precedence)}
D03C 9/0675	<ul style="list-style-type: none"> . . . {Corner connections between horizontal rods and side stays}
D03C 9/0683	<ul style="list-style-type: none"> . . {Arrangements or means for the linking to the drive system}
D03C 9/0691	<ul style="list-style-type: none"> . . {Arrangements of means for damping or noise reduction}
D03C 11/00	Selvage shedding mechanisms not forming part of main shedding mechanism (selvage jacquards D03C 3/18 ; leno selvage mechanism D03C 7/00)
D03C 13/00	Shedding mechanisms not otherwise provided for
D03C 13/02	<ul style="list-style-type: none"> . {with independent drive motors (D03C 1/146 and D03C 3/205 take precedence)} <p><u>WARNING</u></p> <p>Not complete pending the completion of a reclassification, see also groups D03C 5/00 and D03C 13/00</p>
D03C 13/025	<ul style="list-style-type: none"> . . {with independent frame drives} <p><u>WARNING</u></p> <p>Not complete pending the completion of a reclassification, see also groups D03C 5/00 and D03C 13/00</p>
D03C 15/00	Pattern cards or chains

- D03C 15/02 . Chains of metal, wood, or similar material with projecting pattern-indicating elements
- D03C 15/04 . Cards or paper perforated to indicate pattern
- D03C 15/06 . Apparatus for setting pegs in, or removing pegs from, pattern cards
- D03C 15/08 . Apparatus for interconnecting, e.g. by lacing, or disconnecting pattern cards

- D03C 17/00** **Card-punching apparatus** ([marking record carriers in digital fashion G06K](#))
- D03C 17/02 . manually-controlled, i.e. holes to be punched determined by the operator
- D03C 17/04 . . power-operated
- D03C 17/06 . automatic, i.e. design scanned optically or otherwise to control punching apparatus or to control loom jacquard directly

- D03C 19/00** **Miscellaneous methods or devices concerned with designing or making patterns**
- D03C 19/005 . {Electronic}

- D03C 2700/00** **Shedding mechanisms**
- D03C 2700/01 . Shedding mechanisms using heald frames
- D03C 2700/0105 . . Cam-driven heald frame movement
- D03C 2700/0111 . . . Devices for levelling the heald frames; Coupling and uncoupling the drive for the heald frames; Devices for holding the shed open
- D03C 2700/0116 . . . Arrangements in which warp threads pass one another at different heights
- D03C 2700/0122 . . . Devices for adjusting the geometric and time parameters of shed opening
- D03C 2700/0127 . . Programme-controlled heald frame movement
- D03C 2700/0133 . . . with mechanical transmission
- D03C 2700/0138 using hooks or lifters
- D03C 2700/0144 Single-lift mechanisms
- D03C 2700/015 of closed-shed type
- D03C 2700/0155 Double-lift mechanisms
- D03C 2700/0161 of negatively-driven type
- D03C 2700/0166 of positively-driven type
- D03C 2700/0172 Constructional details
- D03C 2700/0177 . . . Devices for levelling the heald frames; Coupling and uncoupling the drive for the heald frames; Devices for holding the shed open
- D03C 2700/0183 . . . Devices for adjusting the geometric and time parameters of shed opening
- D03C 2700/0188 . . Heald frame return devices
- D03C 2700/0194 . . Frame-operating devices for ribbon looms
- D03C 2700/14 . . Heald frame lifting devices