

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

D03C 1/146
(continued)

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 .. Lingoies

- 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

D03C 9/022

(continued)

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

D03C 9/024

.. {Eyelets}

WARNING

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

D03C 9/026

.. {Material used}

WARNING

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

D03C 9/028

... {Metal}

D03C 2009/04

.. {Metal healds}

D03C 9/06

. Heald frames

D03C 9/0608

.. {Construction of frame parts}

D03C 9/0616

... {Horizontal upper or lower rods}

D03C 9/0625

.... {Composition or used material}

D03C 9/0633

.... {Heald bars or their connection to other frame parts}

D03C 9/0641

.... {Distance guides for keeping distance to the next frame}

D03C 9/065

... {Side stays}

D03C 9/0658

... {Intermediate supports or their connection to other frame parts}

D03C 9/0666

.. {Connection of frame parts ([D03C 9/0633](#) and [D03C 9/0658](#) take precedence)}

D03C 9/0675

... {Corner connections between horizontal rods and side stays}

D03C 9/0683

.. {Arrangements or means for the linking to the drive system}

D03C 9/0691

.. {Arrangements of means for damping or noise reduction}

D03C 11/00

Selvedge shedding mechanisms not forming part of main shedding mechanism ([selvedge jacquards D03C 3/18](#); [leno selvedge mechanism D03C 7/00](#))

D03C 13/00**Shedding mechanisms not otherwise provided for**

D03C 13/02

. {with independent drive motors ([D03C 1/146](#) and [D03C 3/205](#) take precedence)}**WARNING**

Not complete pending the completion of a reclassification, see also groups
[D03C 5/00](#) and [D03C 13/00](#)

D03C 13/025

.. {with independent frame drives}

WARNING

D03C 13/025

(continued)

Not complete pending the completion of a reclassification, see also groups
[D03C 5/00](#) and [D03C 13/00](#)

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