

SECTION D — TEXTILES; PAPER

D03 WEAVING

D03C SHEDDING MECHANISMS; PATTERN CARDS OR CHAINS; PUNCHING OF CARDS; DESIGNING PATTERNS

Subclass index

SHEDDING MECHANISMS

Dobbies; jacquards; cam and other direct-acting mechanisms.....	1/00, 3/00, 5/00
Healds.....	9/00
Selvage mechanisms not forming part of shedding mechanisms.....	11/00
Other shedding mechanisms.....	7/00, 13/00

PATTERN CARDS OR CHAINS; CARD-PUNCHING; METHODS OR DEVICES FOR PREPARING

PATTERNS.....	15/00, 17/00, 19/00
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1/00 Dobbies	3/10 • Centre-shed jacquards
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)	3/12 • Multiple-shed jacquards, i.e. jacquards which move warp threads to several different heights, e.g. for weaving pile fabrics
1/04 • • Open-shed single-lift dobbies	3/14 • Jacquards not employing lifting-hooks, e.g. employing knotted cords in conjunction with keyhole slots
1/06 • Double-lift dobbies, i.e. dobbies in which separate draw-knives or equivalent operate on alternate picks	3/16 • Verdol or other jacquards having intermediate power-operated needles between reading needles and lifting-hooks
1/08 • • reversible, i.e. correct sheds open automatically when the loom is driven backwards	3/18 • Selvage jacquards
1/10 • Centre-shed dobbies, i.e. shed formed by lifting some threads and lowering the others from central shed-closed position	3/20 • Electrically-operated jacquards
1/12 • Dobbies employing toothed gearing instead of draw-knives	3/22 • Fluid-operated jacquards
1/14 • Features common to dobbies of different types (stop motions acting on defective operation of shedding mechanisms D03D 51/46)	3/24 • Features common to jacquards of different types
1/16 • • Arrangements of dobbie in relation to loom	3/26 • • General arrangements of jacquards, or disposition in relation to loom
1/18 • • Knives; Knife frames	3/28 • • Pick-finding arrangements; Arrangements for preventing next shed from being opened during stopping of loom
1/20 • • Hooks; Lifters	3/30 • • Arrangements wherein hooks are positively operated to close shed
1/22 • • Needles; Needle boxes; Needle boards	3/32 • • Jacquard driving mechanisms
1/24 • • Cylinders; Cylinder battens	3/34 • • • Cylinder operating mechanisms
1/26 • • Facilitating engagement of lifting-hooks with draw-knives	3/36 • • • Griffe operating mechanisms
1/28 • • • by creating and then eliminating back-lash between hooks and knives	3/38 • • Comber boards
1/30 • • • wherein all the hooks are disengaged from the knives, and selected hooks then re-engaged	3/40 • • Constructions of lifting-cords
1/32 • • • wherein all the hooks are engaged with the knives, and unselected hooks then disengaged	3/42 • • Arrangements of lifting-cords
1/34 • • Arrangements wherein warp threads pass one another at different heights to avoid congestion	3/44 • • Lingoës
1/36 • • Card- or chain-saving arrangements, e.g. cross-border dobbies	5/00 Cam or other direct-acting shedding mechanisms, i.e. operating heald frames without intervening power-supplying devices
3/00 Jacquards (controlling jacquard by scanning design D03C 17/06; for gripper Axminster looms D03D 39/08)	5/02 • operated by rotating cams
3/02 • Single-lift jacquards	5/04 • • Construction or shape of cams (cams in general F16H 53/00)
3/04 • • of open-shed type	5/06 • operated by cam devices other than rotating cams
3/06 • Double-lift jacquards	7/00 Leno or similar shedding mechanisms
3/08 • • of open-shed type	7/02 • Gauze healds
	7/04 • Mechanisms having discs oscillating about a weftwise axis and having apertures for warp threads

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- 7/06 • Mechanisms having eyed needles for moving warp threads from side to side of other warp threads
- 7/08 • Devices for twisting warp threads repeatedly in the same direction

9/00 **Healds; Heald frames** (for leno shedding D03C 7/00)

- 9/02 • Healds
- 9/04 • • Metal healds
- 9/06 • Heald frames

11/00 **Selvedge shedding mechanisms not forming part of main shedding mechanism** (selvedge jacquards D03C 3/18; leno selvedge mechanism D03C 7/00)

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

15/00 **Pattern cards or chains**

- 15/02 • Chains of metal, wood, or similar material with projecting pattern-indicating elements

- 15/04 • Cards or paper perforated to indicate pattern
- 15/06 • Apparatus for setting pegs in, or removing pegs from, pattern cards
- 15/08 • Apparatus for interconnecting, e.g. by lacing, or disconnecting pattern cards

17/00 **Card-punching apparatus** (marking record carriers in digital fashion G06K)

- 17/02 • manually-controlled, i.e. holes to be punched determined by the operator
- 17/04 • • power-operated
- 17/06 • automatic, i.e. design scanned optically or otherwise to control punching apparatus or to control loom jacquard directly

19/00 **Methods or devices concerned with designing or making patterns, not provided for in other groups of this subclass**