

D03 WEAVING**D03C SHEDDING MECHANISMS; PATTERN CARDS OR CHAINS; PUNCHING OF CARDS; DESIGNING PATTERNS****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**

1/00 Dobbies

- 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)
- 1/04 . . Open-shed single-lift dobbies
- 1/06 . Double-lift dobbies, i.e. dobbies in which separate draw-knives or equivalent operate on alternate picks
- 1/08 . . reversible, i.e. correct sheds open automatically when the loom is driven backwards
- 1/10 . Centre-shed dobbies, i.e. shed formed by lifting some threads and lowering the others from central shed-closed position
- 1/12 . Dobbies employing toothed gearing instead of draw-knives
- 1/14 . Features common to dobbies of different types (stop motions acting on defective operation of shedding mechanisms D03D 51/46)
- 1/16 . . Arrangements of dobby in relation to loom
- 1/18 . . Knives; Knife frames
- 1/20 . . Hooks; Lifters
- 1/22 . . Needles; Needle boxes; Needle boards
- 1/24 . . Cylinders; Cylinder battens
- 1/26 . . Facilitating engagement of lifting-hooks with draw-knives
- 1/28 . . . by creating and then eliminating back-lash between hooks and knives
- 1/30 . . . wherein all the hooks are disengaged from the knives, and selected hooks then re-engaged
- 1/32 . . . wherein all the hooks are engaged with the knives, and unselected hooks then disengaged
- 1/34 . . Arrangements wherein warp threads pass one another at different heights to avoid congestion
- 1/36 . . Card- or chain-saving arrangements, e.g. cross-border dobbies
- 3/00 Jacquards** (controlling jacquard by scanning design D03C 17/06; for gripper Axminster looms D03D 39/08)
 - 3/02 . Single-lift jacquards
 - 3/04 . . of open-shed type
 - 3/06 . Double-lift jacquards
 - 3/08 . . of open-shed type
 - 3/10 . Centre-shed jacquards
 - 3/12 . Multiple-shed jacquards, i.e. jacquards which move warp threads to several different heights, e.g. for weaving pile fabrics
 - 3/14 . Jacquards not employing lifting-hooks, e.g. employing knotted cords in conjunction with keyhole slots

- 3/16 . Verdol or other jacquards having intermediate power-operated needles between reading needles and lifting-hooks
- 3/18 . Selvage jacquards
- 3/20 . Electrically-operated jacquards
- 3/22 . Fluid-operated jacquards
- 3/24 . Features common to jacquards of different types
- 3/26 . . General arrangements of jacquards, or disposition in relation to loom
- 3/28 . . Pick-finding arrangements; Arrangements for preventing next shed from being opened during stopping of loom
- 3/30 . . Arrangements wherein hooks are positively operated to close shed
- 3/32 . . Jacquard driving mechanisms
- 3/34 . . . Cylinder operating mechanisms
- 3/36 . . . Griffe operating mechanisms
- 3/38 . . Comber boards
- 3/40 . . Constructions of lifting-cords
- 3/42 . . Arrangements of lifting-cords
- 3/44 . . Lingoes
- 5/00 Cam or other direct-acting shedding mechanisms, i.e. operating heald frames without intervening power-supplying devices**
 - 5/02 . operated by rotating cams
 - 5/04 . . Construction or shape of cams (cams in general F16H 53/00)
 - 5/06 . operated by cam devices other than rotating cams
- 7/00 Leno or similar shedding mechanisms**
 - 7/02 . Gauze healds
 - 7/04 . Mechanisms having discs oscillating about a weftwise axis and having apertures for warp threads
 - 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 Selvage shedding mechanisms not forming part of main shedding mechanism** (selvage jacquards D03C 3/18; leno selvage mechanism D03C 7/00)
- 13/00 Shedding mechanisms not otherwise provided for**

D03C

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**