

## 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
Selvedge 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

- 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 • Selvedge 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

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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 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**
- 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**