

**CPC****COOPERATIVE PATENT CLASSIFICATION****D04C****BRAIDING OR MANUFACTURE OF LACE, INCLUDING BOBBIN-NET OR CARBONISED LACE; BRAIDING MACHINES; BRAID; LACE**

( machines for making soles from strips of material [A43D 29/00](#); cane working [B27J 1/00](#) )

**D04C 1/00****Braid or lace, e.g. pillow-lace; Processes for the manufacture thereof****D04C 1/02**

- . made from particular materials

**D04C 1/04**

- . . Carbonised or like lace

**D04C 1/06**

- . Braid or lace serving particular purposes

**D04C 1/08**

- . . Tulle fabrics

**D04C 1/10**

- . . . Pattern tulle fabrics

**D04C 1/12**

- . . Cords, lines, or tows

**D04C 3/00****Braiding or lacing machines****D04C 3/02**

- . with spool carriers guided by track plates or by bobbin heads exclusively

**D04C 3/04**

- . . with spool carriers guided and reciprocating in non-endless paths

**D04C 3/06**

- . . with spool carriers moving always in the same direction in endless paths

**D04C 3/08**

- . . with means for superimposing threads or braids

**D04C 3/10**

- . . with means for forming edge loops, ears, or eyes

**D04C 3/12**

- . . with means for introducing core threads

**D04C 3/14**

- . . Spool carriers

**D04C 3/16**

- . . . for horizontal spools

**D04C 3/18**

- . . . for vertical spools

**D04C 3/20**

- . . Arrangement of bobbin heads and guides or track plates in the machine

**D04C 3/22**

- . . Guide or track plates ( with means for controlling spool carriers [D04C 3/24](#) )

**D04C 3/24**

- . . Devices for controlling spool carriers to obtain patterns, e.g. devices on guide or track plates

**D04C 3/26**

- . . . by stopping bobbin heads

**D04C 3/28**

- . . . by stopping only the spool carrier

**D04C 3/30**

- . . . by controlling switches of guide or track plates

**D04C 3/32**

- . . Pattern input

**D04C 3/34**

- . . Beater, or beat-up, mechanisms

**D04C 3/36**

- . . Frames

**D04C 3/38**

- . . Driving-gear; Starting or stopping mechanisms

**D04C 3/40**

- . for making tubular braids by circulating strand supplies around braiding centre at equal distances

**D04C 3/42**

- . . with means for forming sheds by controlling guides for individual threads

- D04C 3/44 . . with means for forming sheds by subsequently diverting various threads using the same guiding means
- D04C 3/46 . . with thread carriers supported on rolls
- D04C 3/48 . Auxiliary devices

#### **D04C 5/00      Twist or bobbin-net lace-making machines**

- D04C 5/02 . Net looms for tulle fabrics
- D04C 5/04 . Net or lace curtain machines
- D04C 5/06 . Machines for making twist-lace fabrics
- D04C 5/08 . Bobbin carriages ( [bobbins B65H 75/02](#) )
- D04C 5/10 . Bobbin-carriage guides; Drives for swinging bobbin carriages
- D04C 5/12 . Drives for advancing bobbin carriages
- D04C 5/14 . . Pattern input
- D04C 5/16 . Warp thread feeding or guiding devices
- D04C 5/18 . . Guide bars; Guiding means therefor; Pattern input by control thereof
- D04C 5/20 . . Jacks or pickers; Pattern input by control thereof
- D04C 5/22 . Delivery devices
- D04C 5/24 . Driving-gear; Starting or stopping mechanisms
- D04C 5/26 . Auxiliary devices

#### **D04C 7/00      Tools or apparatus for braiding or lacing by hand**