

CPC**COOPERATIVE PATENT CLASSIFICATION****B31C****MAKING WOUND ARTICLES, e.g. WOUND TUBES, OF PAPER OR CARDBOARD****NOTE**

The term "winding" in this subclass means forming two or more complete convolutions.

B31C 1/00**Forming tubes or pipes of paper or cardboard by feeding at right angles to the winding mandrel centre line**

B31C 1/02

- Machines therefor having additional mandrels

B31C 1/04

- and forming a tube end into a container bottom

B31C 1/06

- and inserting into a tube end a bottom to form a container

B31C 1/08

- Accessories of machines therefor not otherwise provided for

B31C 1/083

- . {Winding mandrels}

B31C 1/086

- . . {expansibles}

B31C 3/00**Forming tubes or pipes of paper or cardboard by feeding obliquely to the winding mandrel centre line**

B31C 3/02

- and inserting into a tube end a bottom to form a container

B31C 3/04

- Seam processing

B31C 5/00**Forming tubes or pipes of paper or cardboard without mandrels****B31C 7/00****Forming conical articles of paper or cardboard by winding**

B31C 7/02

- Forming truncated cones

B31C 7/04

- . on two or more mandrels

B31C 7/06

- . . and inserting into a cone end a bottom to form a container

B31C 7/08

- Forming pointed cones

B31C 7/10

- . on two or more mandrels

B31C 9/00**Simultaneous forming of cylindrical and conical shapes by winding separate webs, e.g. forming bottles****B31C 11/00****Machinery for winding paper or cardboard combined with other machinery**

B31C 11/02

- for additionally shaping the articles

B31C 11/04

- for applying impregnating by coating-substances during the winding

B31C 11/06

- for drying the wound and impregnated articles

B31C 13/00**Making wound articles not otherwise provided for**