

CPC**COOPERATIVE PATENT CLASSIFICATION****B31C**

MAKING WOUND ARTICLES, e.g. WOUND TUBES, OF PAPER OR CARDBOARD (characteristics relating to the working of plastics [B29](#); shaping of plastics or substances in a plastic state [B29C](#))

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 ([winding blanks B31B](#))

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 ([winding blanks B31B](#))

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