

**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**