

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

**MAKING WOUND ARTICLES, e.g. WOUND TUBES** ([characteristics relating to the working of plastics B29](#))

**NOTE**

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

**B31C 1/00**

**Forming paper tubes or pipes 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 paper tubes or pipes 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 paper tubes or pipes without mandrels**

**B31C 7/00**

**Forming conical paper articles 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**                    **Paper-winding machinery 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**