

SECTION D — TEXTILES; PAPER

D21 PAPER-MAKING; PRODUCTION OF CELLULOSE

D21D TREATMENT OF THE MATERIALS BEFORE PASSING TO THE PAPER-MAKING MACHINE [5]

1/00 **Methods of beating or refining; Beaters of the Hollander type** (knotter screens D21F)

- 1/02 • Methods of beating; Beaters of the Hollander type
- 1/04 • • Beater rolls or bars
- 1/06 • • Bed plates
- 1/08 • • Beaters with means for driving the pulp quickly
- 1/10 • • Beaters with means for regulating the pressure between the beater roll and the bed plate
- 1/12 • • Beaters with means for continuous pulp discharge
- 1/14 • • Beaters with one beater roll and with vertical stuff circulation canal
- 1/16 • • Beaters with means for returning the pulp over the head of the beater roll
- 1/18 • • Beaters with two or more beater rolls
- 1/20 • Methods of refining
- 1/22 • • Jordans
- 1/24 • • • Jordan rolls
- 1/26 • • • Jordan bed plates
- 1/28 • • Ball or rod mills
- 1/30 • • Disc mills
- 1/32 • • Hammer mills
- 1/34 • • Other mills or refiners
- 1/36 • • • with vertical shaft

- 1/38 • • • with horizontal shaft

- 1/40 • • Washing the fibres

5/00 **Purification of the pulp suspension by mechanical means; Apparatus therefor** (centrifuges, cyclones B04)

- 5/02 • Straining or screening the pulp
- 5/04 • • Flat screens
- 5/06 • • Rotary screen-drums
- 5/08 • • • combined with a rocking movement
- 5/10 • • • • of the tank
- 5/12 • • • • of the screen
- 5/14 • • • • of the tank and the screen
- 5/16 • • Cylinders and plates for screens
- 5/18 • with the aid of centrifugal force
- 5/20 • • in apparatus with a horizontal axis
- 5/22 • • in apparatus with a vertical axis
- 5/24 • • in cyclones
- 5/26 • De-aeration of paper stock
- 5/28 • Tanks for storing or agitating pulp

99/00 **Subject matter not provided for in other groups of this subclass [2006.01]**