

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 [8]