

CPC**COOPERATIVE PATENT CLASSIFICATION****D21D****TREATMENT OF THE MATERIALS BEFORE PASSING TO THE PAPER-MAKING MACHINE****D21D 1/00****Methods of beating or refining; Beaters of the Hollander type ([knotter screens D21F](#))****D21D 1/002**. { [Control devices](#) }**D21D 1/004**. { [Methods of beating or refining including disperging or deflaking](#) }**D21D 1/006**.. { [Disc mills](#) }**D21D 1/008**... { [Discs](#) }**D21D 1/02**

. Methods of beating; Beaters of the Hollander type

D21D 1/04

.. Beater rolls or bars

D21D 1/06

.. Bed plates

D21D 1/08

.. Beaters with means for driving the pulp quickly

D21D 1/10

.. Beaters with means for regulating the pressure between the beater roll and the bed plate

D21D 1/12

.. Beaters with means for continuous pulp discharge

D21D 1/14

.. Beaters with one beater roll and with vertical stuff circulation canal

D21D 1/16

.. Beaters with means for returning the pulp over the head of the beater roll

D21D 1/18

.. Beaters with two or more beater rolls

D21D 1/20

. Methods of refining

D21D 1/22

.. Jordans

D21D 1/24

... Jordan rolls

D21D 1/26

... Jordan bed plates

D21D 1/28

.. Ball or rod mills

D21D 1/30

.. Disc mills

D21D 1/303... { [Double disc mills](#) }**D21D 1/306**... { [Discs](#) }**D21D 1/32**

.. Hammer mills

D21D 1/34

.. Other mills or refiners

D21D 1/36

... with vertical shaft

D21D 1/38

... with horizontal shaft

D21D 1/40

.. Washing the fibres

D21D 5/00**Purification of the pulp suspension by mechanical means; Apparatus therefor ([centrifuges, cyclones B04](#))****D21D 5/005**. { [Forming fibrous aggregates](#) }

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|------------|---|
| D21D 5/02 | . Straining or screening the pulp |
| D21D 5/023 | .. { Stationary screen-drums } |
| D21D 5/026 | ... { with rotating cleaning foils } |
| D21D 5/04 | .. Flat screens |
| D21D 5/043 | ... { Vibrating screens } |
| D21D 5/046 | ... { Rotary screens } |
| D21D 5/06 | .. Rotary screen-drums |
| D21D 5/08 | ... combined with a rocking movement |
| D21D 5/10 | of the tank |
| D21D 5/12 | of the screen |
| D21D 5/14 | of the tank and the screen |
| D21D 5/16 | .. Cylinders and plates for screens |
| D21D 5/18 | . with the aid of centrifugal force |
| D21D 5/20 | .. in apparatus with a horizontal axis |
| D21D 5/22 | .. in apparatus with a vertical axis |
| D21D 5/24 | .. in cyclones |
| D21D 5/26 | . De-aeration of paper stock |
| D21D 5/28 | . Tanks for storing or agitating pulp |
| D21D 99/00 | Subject matter not provided for in other groups of this subclass |