

(21)

()

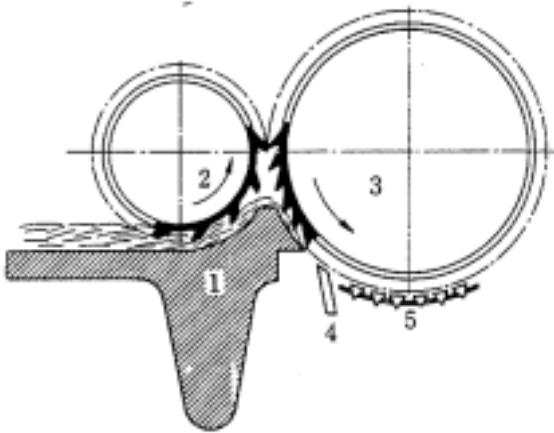
2.2.2

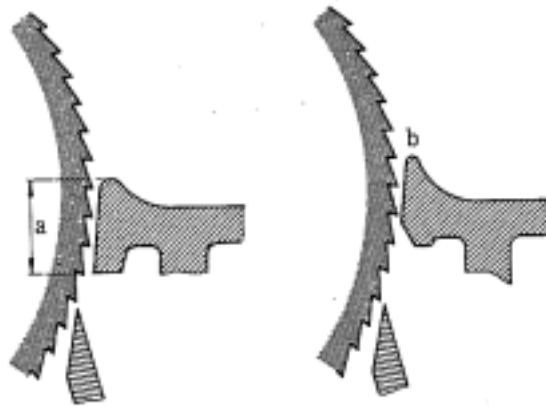
2.2.2.1

- (batt :)
-
-

(84) (1)

(2)가 (feed table)





< 85 >

(divertor; 85 b)가 .

가 (a) 가 . 가

가 .

가 .

가 (a)

, 가 가 가

(waste

receiver) . ,

가 . 가

()

80~100mm

가

가

2.2.2.2

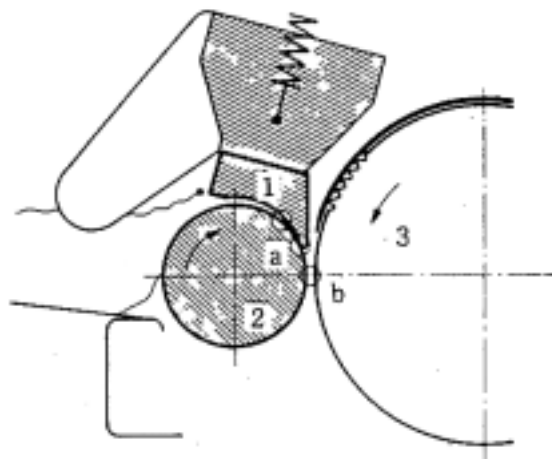
가

가

가 ,

가

Rieter



< 86>

(Rieter)

이 때, (86 2) ,

(1)

가

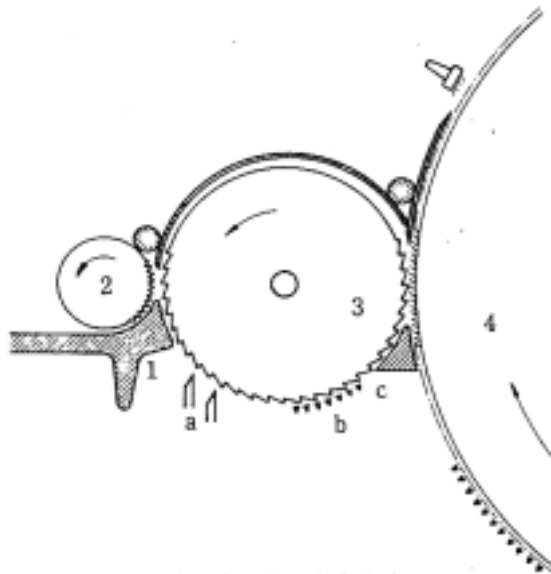
()

(, 86 a

b)가

2.2.3

2.2.3.1 < 87>



< 87>

250mm
 (carding segment) , (grid)
 800~1,500rpm(900~1,200rpm) 600rpm

2.2.3.2

가

50% 가
 , 50%

가

1,000rpm (600,000) , 13m/s(50km/hr) , 1,000 가
 (point)

-
-
-
-

○
○
○

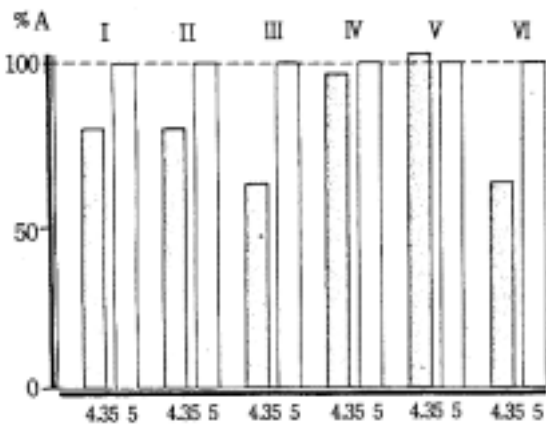
“ (wedge-shape)”

“ ”

“ ”

, Gabt Dr. W. Topf가

가



A : (%), : , : : 가 , : : :
: (Classimat)

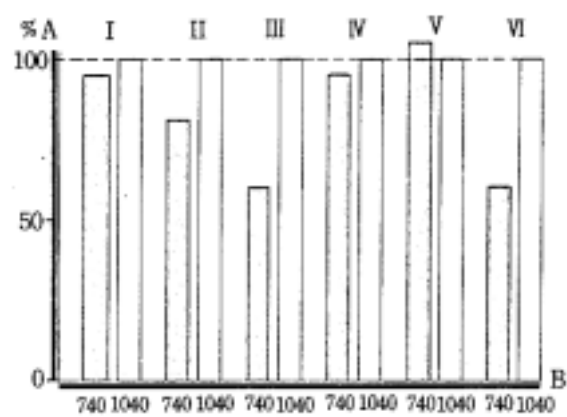
< 88> (B = , ktex)가

< 88> ()가

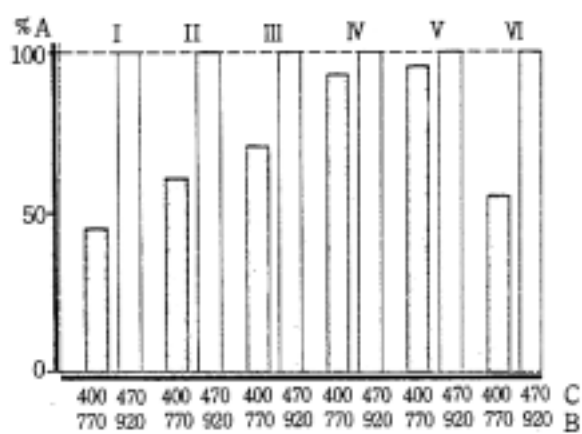
(4,35ktex 5ktex)

() 가

. < 89> < 90> Abt Topf ,
가 가 가



A : (%), B : , : , : 가 ,
: , : (Classimat)
< 89> 가

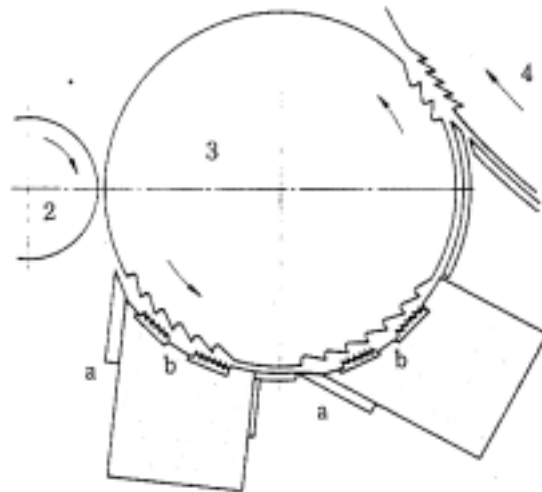


A : (%), B : (rpm), C : (rpm), : ,
: 가 , : , : (Classimat)
< 90> 가

< 89>

<

90>



< 91>

2.2.3.3

1~2

(87 a)

(slotted sheet)

(perforated sheet)

가

가

가

가

(carding segment) . Rieter
 (flock :) (91 a)
 (carding plate ; b) ,
 (4) 가

2.2.3.4

(doffing disposition)
 .
 .
 .
 ,
 가 1 : 2가 . ,
 2가 (1 가
 , 가
 .)

2.2.4

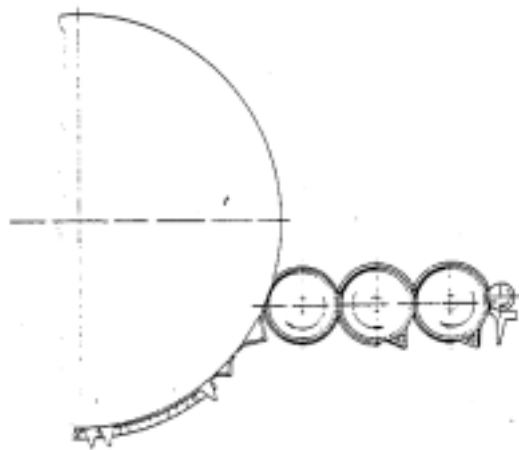
2.2.4.1

(combing rate)
 . (in/min)
 가 .
 (point) , 가

. , 0.3 (3)
 10~15 .
 가
 가 .
 , (,)
 가 .
 .
 ○ ()
 ○
 ○ (carding surface) (carding position)
 가 .
 ,
 가 .
 가 가
 가
 .
 25kg/h 60kg/h 가 , 300rpm
 750rpm 가 .
 .
 가 가 가

- 가
- 가
- 가

2.2.4.2 가



< 92> (Schubert & Salzer)

가 ,

個數 個數 가

가

가 ,

3 (Schubert & Salzer社, 92) 2 (Marzoli, Trützschler社)

가 .

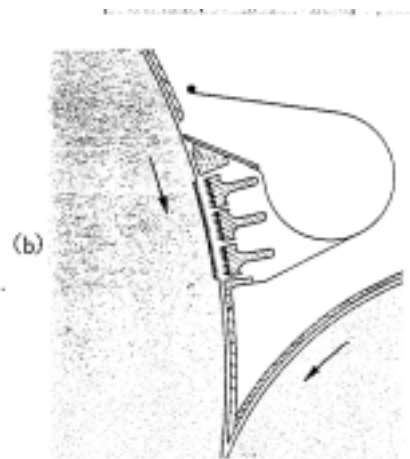
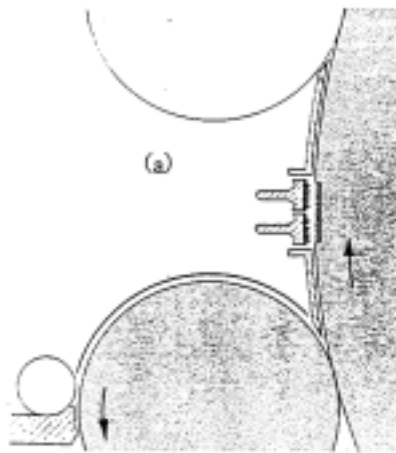
가 , 600rpm(

) 1,200rpm 1,800rpm()

가 .

2.2.4.3 가

-
-
-



< 93>

(a)

(b)

< 91>

, Graf

가 < 93> a b

(a)

가

,

(b)

가

가

(1~4)

Graf社, Hollingsworth社, Wolter社

2.2.4.4

가

가

가

가

가

(carding zone)

Schmolke Schneider 가 < 94, 95>

가

가

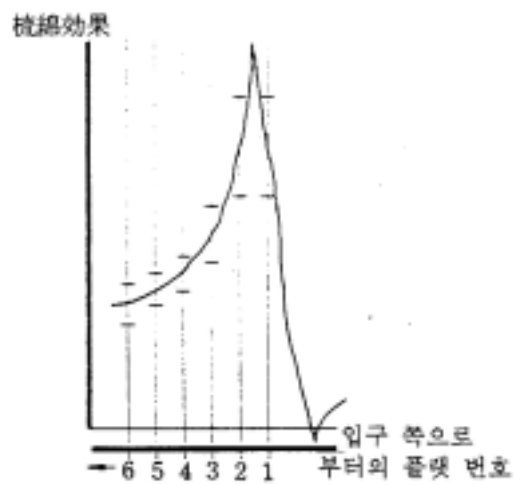
-
-
-
-
-
-
-
-

가

가

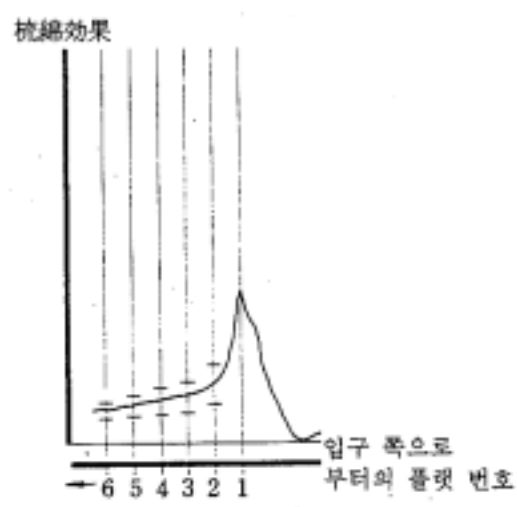
Artzt, Abt Maidel

< 96>

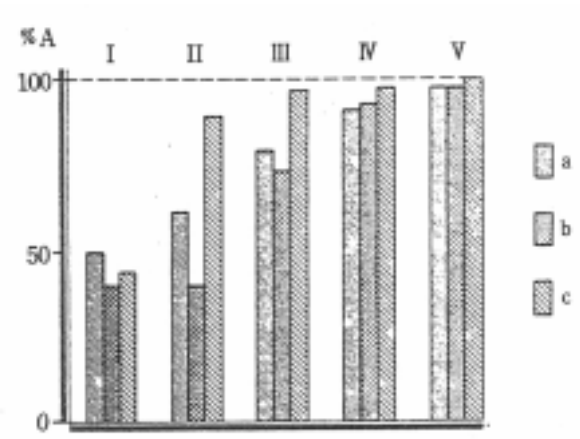


< 94> 가

가



< 95> 가 가



< 96>

A : 가 (100%) , : , : ,
: 가 , : , :
a : , 430 /in² b : , 660 /in²
c : , 770 /in²

2.2.5 (main cylinder)

2.2.5.1

(cast iron)

(Schubert & Salzer).

1,280~1,300mm 가 , 250~500(600
)rpm 가 .
가 가 0.1mm
(roundness tolerance)

2.2.5.2

가 가 가

Rieter

가

가
(knife blade)

가

,

가

(flat stripping)

가

,

.