

1.2

1.2.2 (carding)

가 (nap),
(nep) (lap) (chute)
,
가 .
가 ,
가
, 가 .
(card card engine) (flat card)
, .



1) (fixed flat card · stationary flat card)

2) (revolving flat card) , .

가)

)

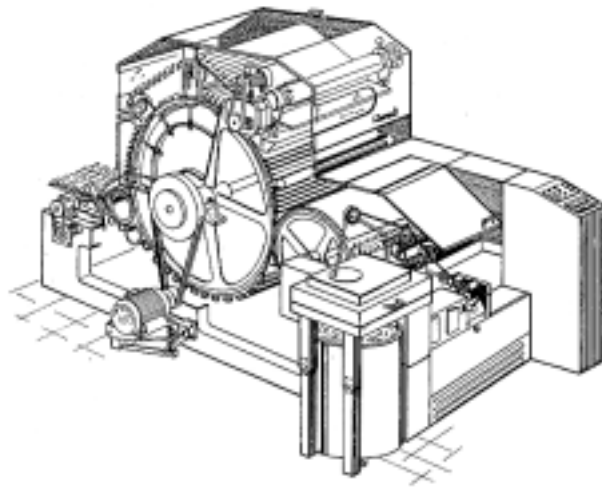
) (tandem card)

가

가 ,

가

가 .



< 1-15>

가

가

1-8 rpm(revolutions per minute)) 가

, 1998 가 35rpm 가 30.2% 1/3

< 1-8>

rpm	180	300~700
rpm	10~20	25~48

2

, 1 2
 (transfer roller) .
 , (crush)

OE

(絲切)

1.2.2.1

(taker-in)

(cylinder)

, (carding) 가 .
가 (fly comb)
(stripping roller) (web)

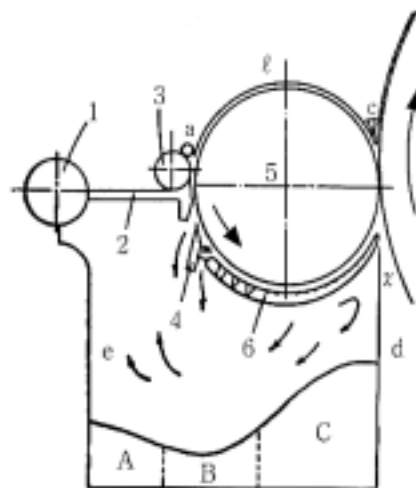
1.2.2.2.

(1) (taker-in licker-in)

1-16 3

가

(undercasing)

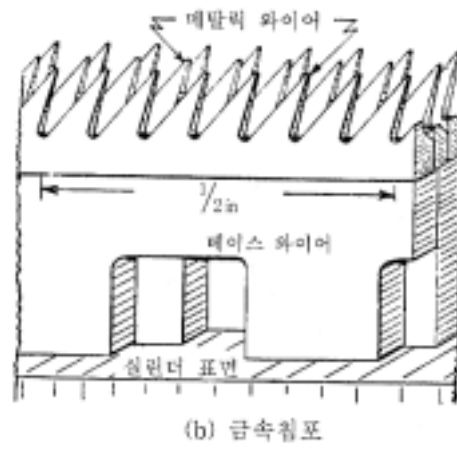
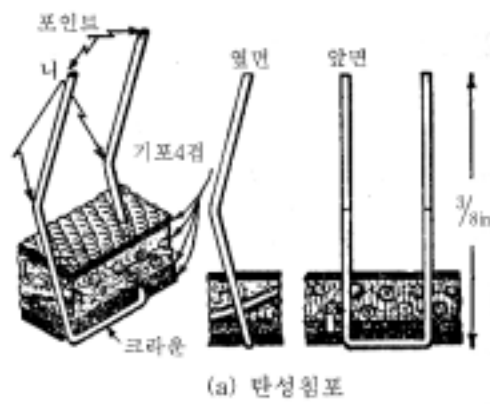


1. lap roller
2. dish plate
3. feed roller
4. mote knife
5. taker-in
6. taker-in undercasing
- a. feed roller clearer
- b. taker-in cover
- c. taker-in fender
- d. division sheet

(2) (cylinder)

(carding action)

()



< 1-17 >

(鋼線)

(flexible card clothing · fillet card clothing)

, 1922

(metallic card

clothing · MCC

metallic wire)가

가

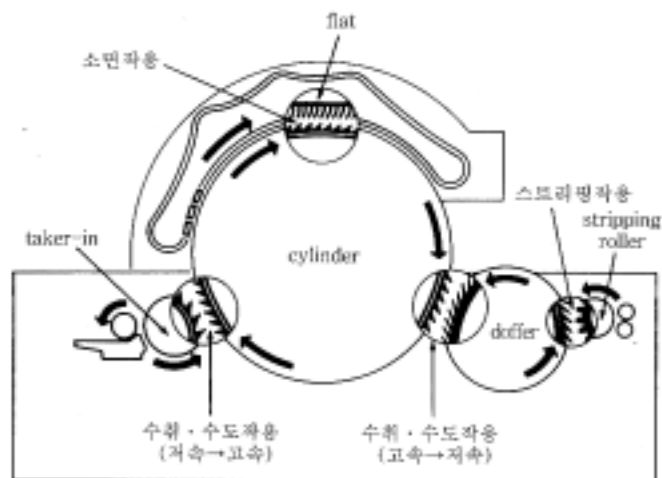
1)

1-18

가

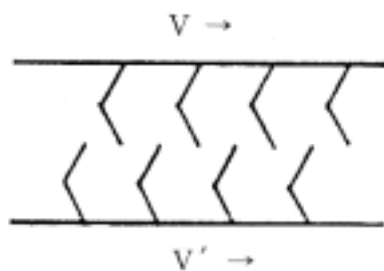
(garnett wire · saw

tooth)가



< 1-18 >

1-19 가 가 가 , . (point to back) 가 $V' < V$. 가 1.2~2 가 1.2~2 $V-V'$ 가 가 . (point against back) (剥綿) , (受取・受渡) , .



< 1-19> point to back

2)

가 . (top) , 凸 (flat bar) 凸 106 (flat chain)

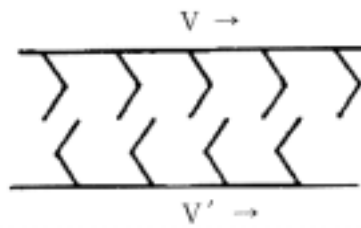
, 2-18

1 2in .

1-18

(point to point

point against point) 가 .



< 1-20> Point to point

가

1-20 ,

가 V ' , V

V ' , V V ' -

V .

(gauge)가 ,

가 (web) ,

, 가

가 가 가

.

7/1,000in(0.18mm),

9/1,000in(0.23mm) , 가

.

가 , ,

2/1,000in(0.05mm) 가

가 .

(3) (doffer)

1-18

, 가

(氣流) 가 .

, 가 .

가 가 가, 가

가 , 가 ,

가 .

(blade) (doffer

comb · fly comb)

.

. 가 1 1,200~2,000

가 가 ,

.

(card web) (crush roller)

. OE

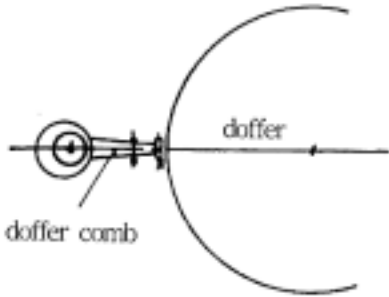
(trumpet plate)

가 .

가 가

(calender roller)

(coiling)



< 1-21>

(4) (coiler)

가 (coiler tube) .

,

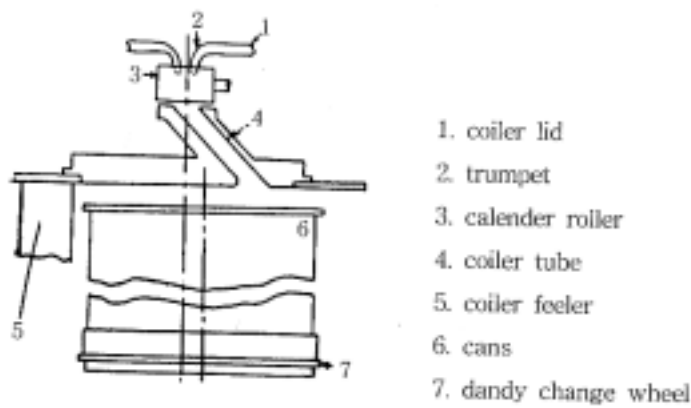
1-23(a)

가 .

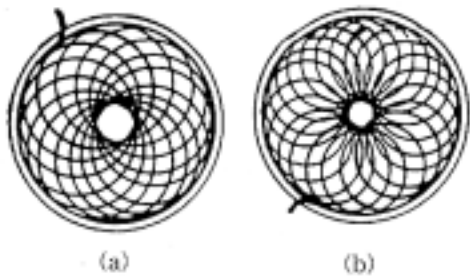
(a) , (b)

5~10% 가

20~40in large package)



< 1-22>



(a) over center coiling
(b) under center coiling

< 1-23>

1.2.2.3

가

가

， ， ，
·
·

(1)

，

(evener roller)

， ， ，
·

(stationary flat)

· ，

1998 81.8% ·

(2)

가 가 300 ~

400rpm ， 700rpm ·

· ·

，

， ，

·

(3)

1998 40rpm
19.1%, 35rpm 30.2% ,
 ,
 .

(inverter)

가 ,
 .

가 ,
 1998 20in 98.7%
가 . 25in 25.9%
 . (auto an
changer) 1998 17.1%가

(4)

가

가 ,

(conveyer)

(pneumatic 吸引排出裝置)

가 ,

(fly ·)

89.2%(1998) 9

가 , 10.8%

가 .

(5) (auto-leveller)

가

,

.

(measuring sensor)

가

.

,

(funnel)

(sensor)

(feed roller)

.

가 79.3%(1998) .