

1.2 (製織工程)

1.2.1 (warp preparation)

1.2.1.3 (通經 · sizing)

(weaver's beam ·

loom beam warp beam)

(綜統·heald·heddle)

(reed)

4 (張 · 枚), 8

(mail)

2

가

가

가

가 가

가

가

가

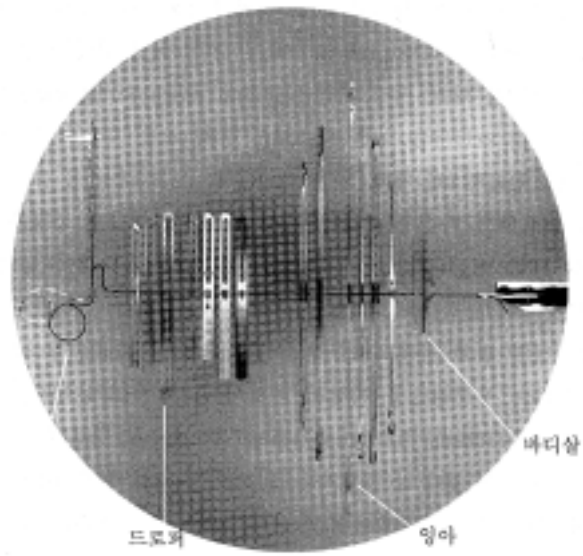
가

가

가

(dropper)

(leasing)가



< 1-18> , ,

(1) (leasing machine)

가

(back rest)

，
150~200 /
，
(2)
(drawing-in frame) ，
，
가 (· warp hook)
(denting hook) .
，

가 가 .
(3) (reaching machine)
.
(半)

·
(4) (drawing-in system)
， 가
가

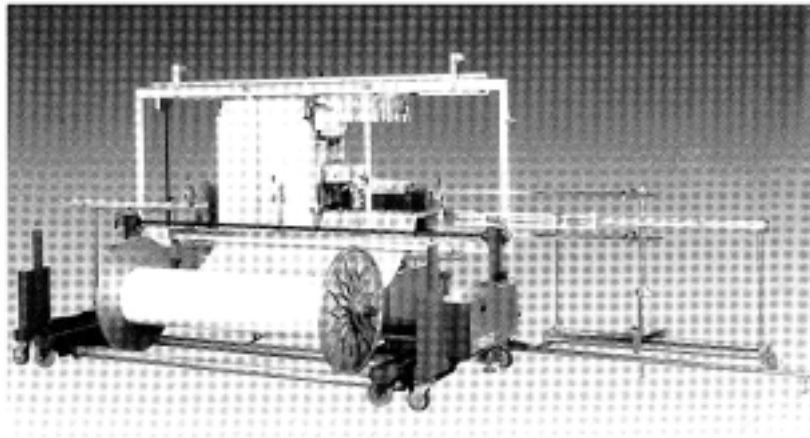
1 가 8,000~9,600 /8

(5) (automatic drawing-in machine)

가

가

200 / , 150~200 /



< 1-19>

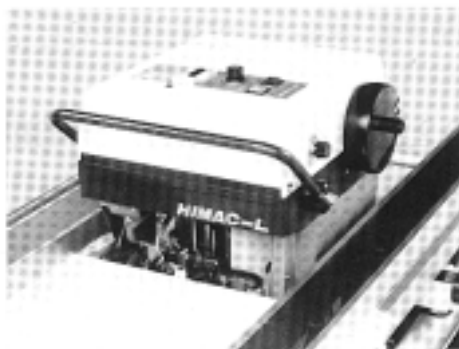
(6) (· warp tying machine)

가

가

，
 ， (knotter)
 가
 ，
 (stational type)
 (portable type) .

，
 ，
 가
 .



< 1-20>

， ，

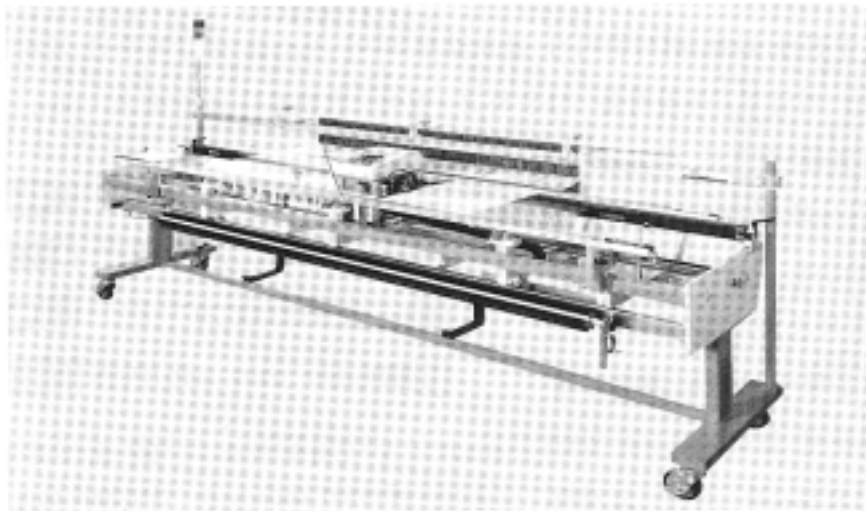
2~3 ，

5~7

． 600 / ， 400~500 /

(7) (reed drawing-in machine)

가 ,



< 1-21>

(8) (dropper pinning machine)

, 1-18

가 가 , 가 (closed type)

(open type) ,

,

， 2~6 가 .

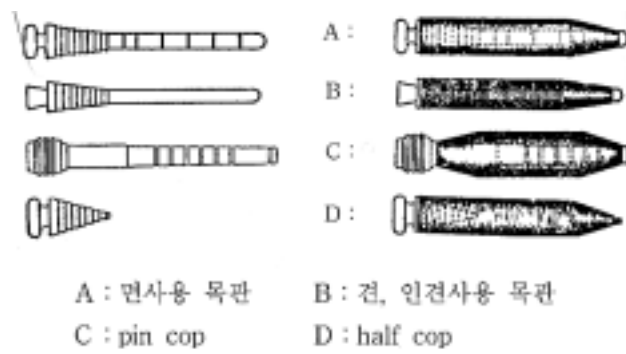
1.2.2 (weft or filling preparation)

가
가
가
가
가

(shuttle)

가 가

(緯管捲絲 · pirn winding · weft spooling)



< 1-22 >

(緯絲木管)

(cop · weft cop · pirn bobbin) , ()

.

1-22 ,
, C (cop change) , D
(太絲) .

가

.

(cup pirn winding)

(disc pirn winding)

(cone pirn winding)

1.2.2.1 (緯捲機 · 緯管機 · pirn winder · spool winder · quiller)

(1) (cup pirn winder)

가 1-23 C (tin roller) A

(pulley) B가 (pin) F

B E C

. D C

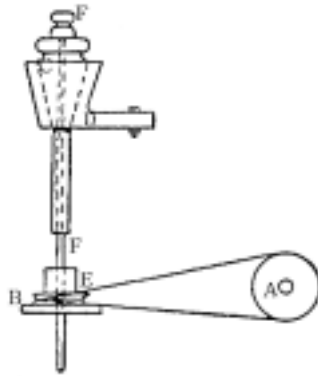
,

.

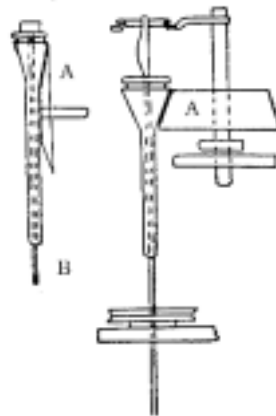
가

.

,



< 1-23>



< 1-24>

(2) (disc pinn winder)

1-24

A가

가

(傾斜) (beveled disc · conical bowl)가

가 .

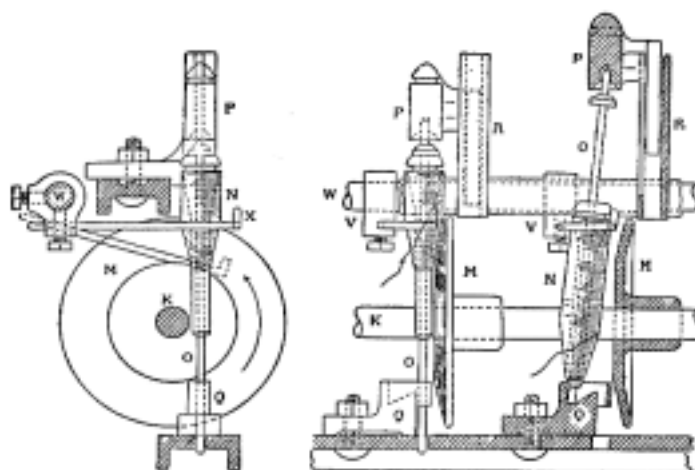
1-25

N K

M .

(bobbin)

가 .



< 1-25>

(3) (cone pirn winder)

(圓錐) () (conical roller · cone · bowl)

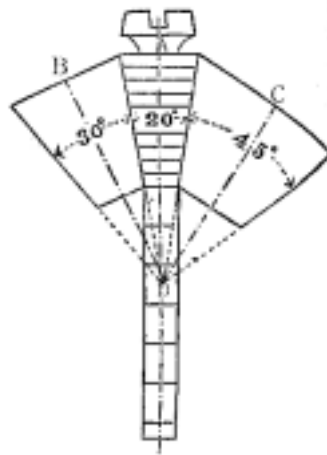
1-26

(圓心)

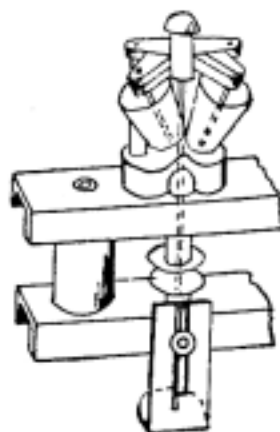
1 3~4 가 , 8
 , 1-27 3

(traverse)

(絲層)



< 1-26>



< 1-27>

(4) (loom winder)

가

가 .

(殘絲)

1 가 ,

,

.

1.2.2.2 (shuttleless loom)

. 가

가

, 가 1kg LP

(jumbo) 3~5kg (large cone package)

(slub catcher) , (air splicer)

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