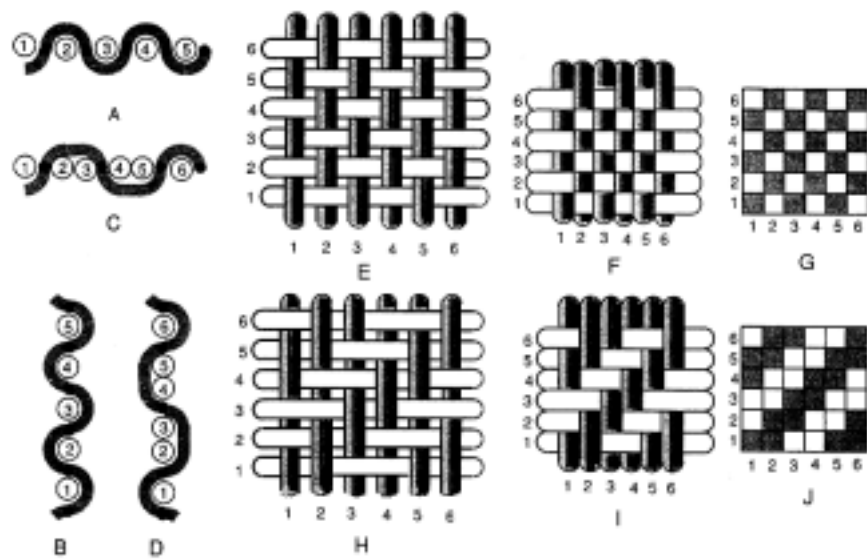


1.2 (製織工程)

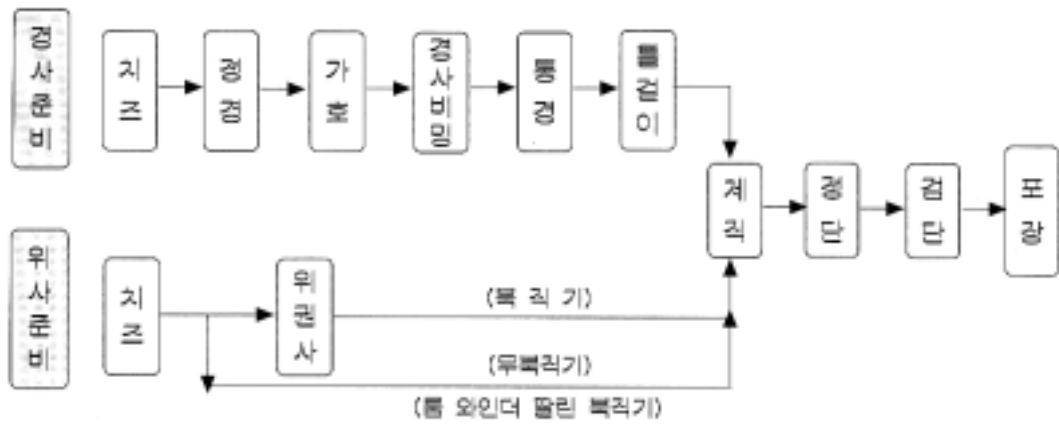
(fiber) (fabric) , , ,
가
(經絲 · warp) (緯絲 · weft filling)
.
, (編成
物 · 編物 · 編織物 · knitted goods · knitted fabric),
(組物 · 紐織 · braid),
(lace), (網 · net),
가 (不織布 · non-woven fabric)
, 가 가 ,
가
.
(woven fabric · textile fabric) 가
, 가 (浮沈作用)
.
가 가
가 , 가
.
1-5 A, B, E, F, G 가
, C, D, H, I, J .

E H . E
1 1 2
가 . 2 1 1
, 2 .
,



< 1-5>

H 1 1 , 2 3
, 4 5 , 2 1 2 , 3
4 , 5 6 , 3 4
2 , 가
.



< 1-6> ()

가

가 ,

가

가

(warping beam)

가

가

가

.(加糊)

가

가 가 .

(warp beam)

(harness · heald · heddle)

() (reed)

· (通經 · heald-in · drawing-in) ,

가 (dropper)

·

,

(連經機 · tying-in machine)

· , ,

, (cloth roller)

, ,

(looming ·) .

(緯捲機) ,

· (loom winder)가

가

· (shuttleless loom)

(緯捲) .

가 가 (一絲不亂)

(sheet) ,

가

· (整緞),

(檢緞) ·

1.2.1 (warp preparation)

1.2.1.1 (整經 · wrap beaming · warping)

(creel) ,

·

, ·

(1) (beam warper)

,

500~800 가 ·

500~800 , ,

· 800~1,000m/min

, , ·

·

1) (部)

V H ,

. V

, .

가 . 1-7 (a) V

가

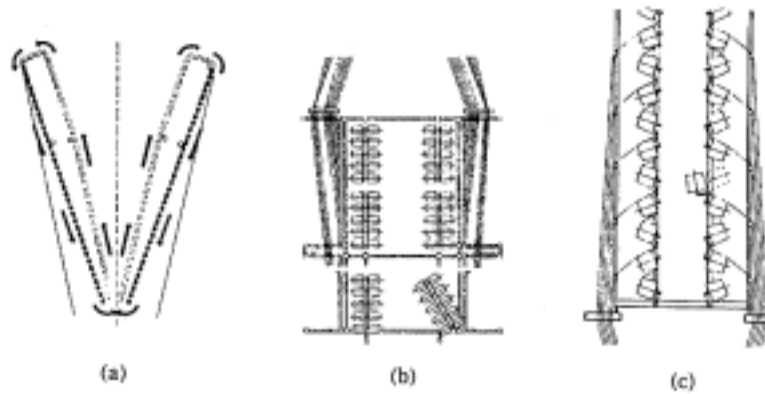
가

(traveling package creel) .

(comb)

H .

가 .



< 1-7> 가

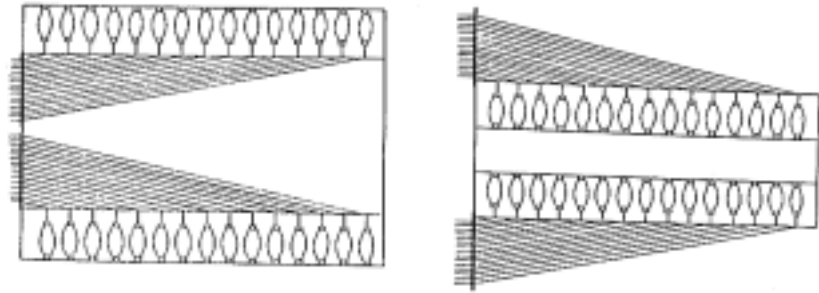
H

.

가

, .

.(1-8)



< 1-8 >

1-7 (b) H

2-5

(turn table)

(c)

,

, 가

.

.

2) (beam warping)

(yarn sheet)

,

,

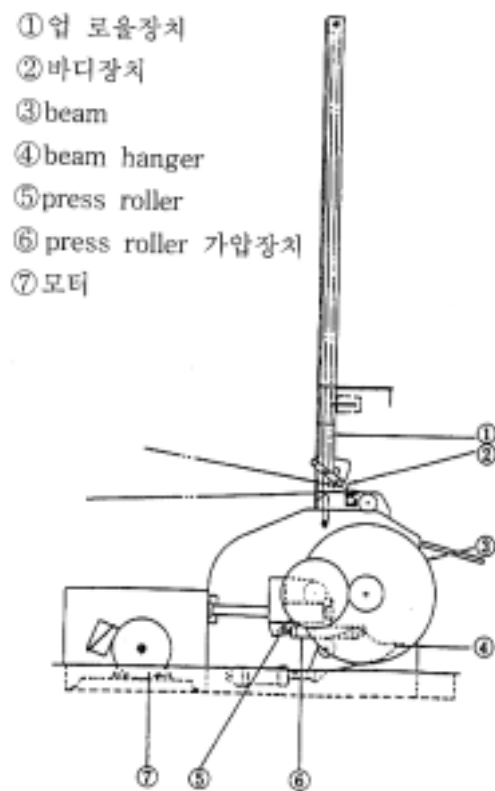
(press roller) ,

,

가

(空)

가 , ,
(up roll) ,
 , 가 .



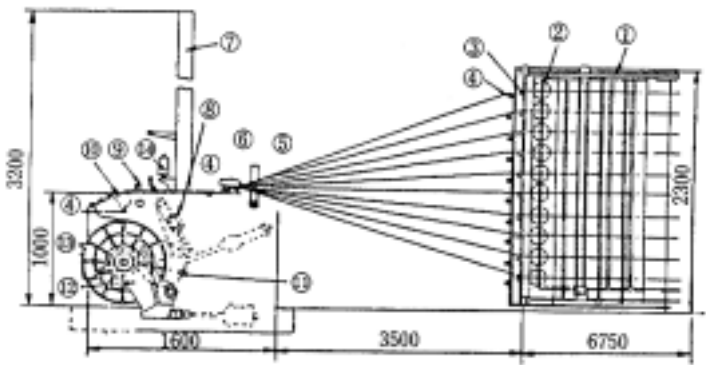
< 1-9>

가 ,
가 ,

(non-drum beam warper)가
가

DC 가 가

(soft beam)
LP(large package) ,



1. 2. 3. 4. 5.back reed 6.guide roller 7.
8.up roll 9. 10. 11.press roller 12.beam 13. 14.
< 1-10>

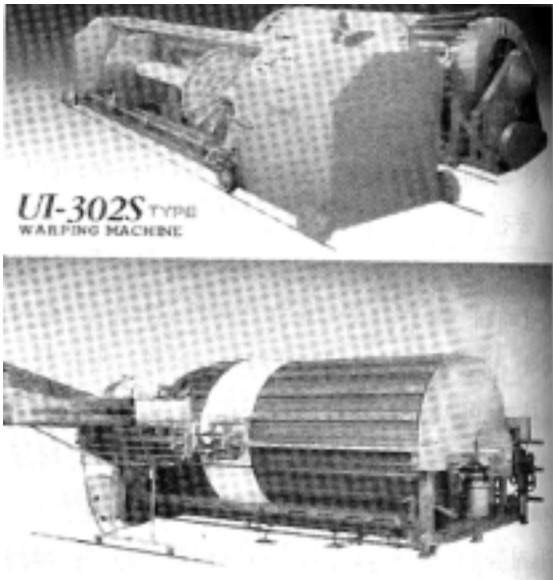
(2) (部分整經機 · sectional warper)

1/n , n

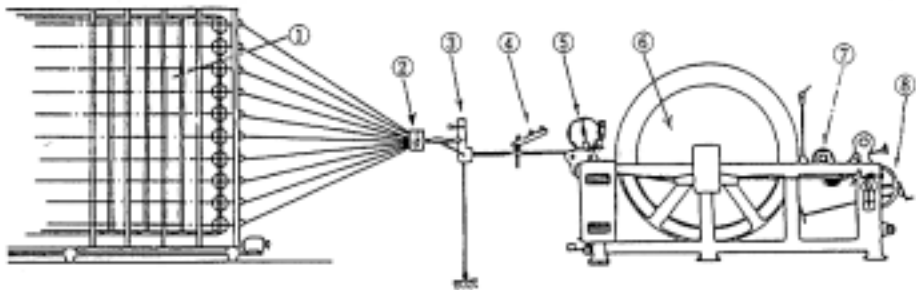
1/n ,

n

가



< 1-11>



1. 2.yarn collection board 3. 4.dividing rod
5. 6. 7.tension roller 8.

< 1-12>

가

(3)

, LP 가

가

(省力化)가

1)

가

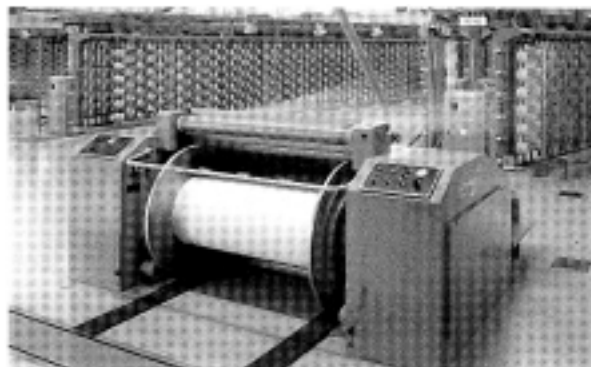
(絲屑 ·)

500mm

800~1,000mm

800~1,000m/min

(disc brake)



2) (絲切檢知裝置)

(drop pin)

가 , 가

(接点)

가 가 .

3) (張力調節裝置)

, 가

,

(rod

tensor) (washer tensor) ,

(tension rod)

(ballooning)

,

(cutter)

.

가

(over run), (tension

plate) .

4)

가

가

(blow suction)

.

.

5)

(up roller)

.