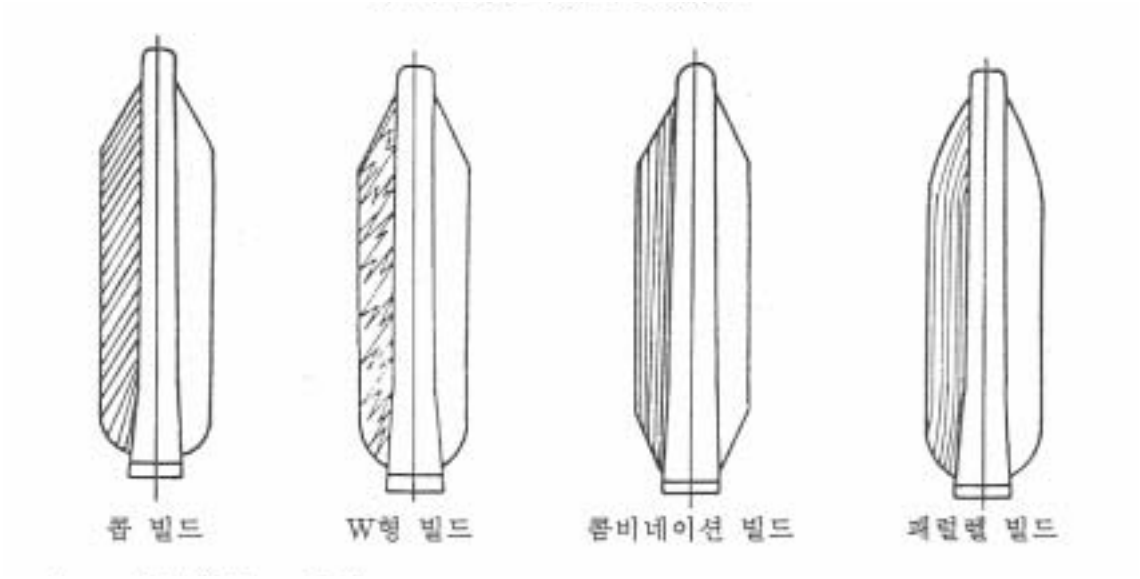


() - (5)

(,)

(5) (building motion)

1) < 1.20>



< 1.20>

가 (double cone) .

4 가 , 가 .

cop build(filling wind)

W build

combination build

parallel build

a) cop build(filling wind)

1. 가 ,

가

•

가 , 가 .

가 , 가

가 .

가 2~3가

(snarl)

가 .

(smoke)

•

b) combination build

■

(slough-

off) .

1 (chase) 가 ,

(stretch) 가 , 가

가

•

(smoke yarn)

(filling wind)

· _____ , 가 가

· , ()
가 .

가

가

가 1 .

2)

가 .

(chase) 가

·

가 .

1 , ,

1 : 2 ~ 1: 4 .

,

·

3) < 1.21>

· (A) (B) ,

(C) , (D)

.

(E) (F) ,

(G) . (I) (G) ()

(H) (J) (K)

.

(L)

,

(M)

.

(G) (F)

,

(D) (B)

.

(cop)

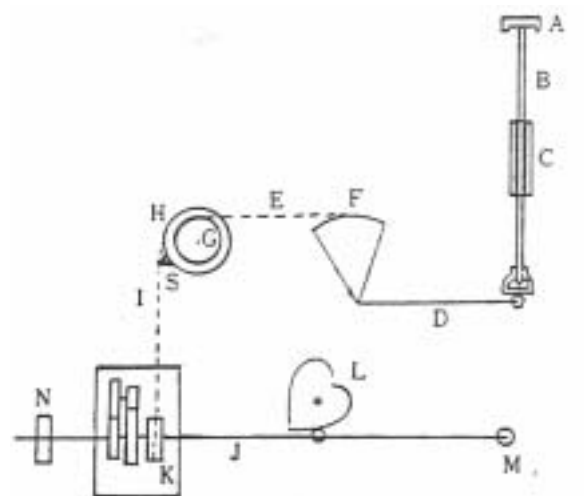
,

(N)

.

(H) (S)가

(H) 1



< 1.21> (chain)

< B>

() , ,

.

가 (1) ,

.

1) (2), 가 ,

(3) .

2) 가 , (4)가 .

3) 1 (5)

[

]

[] (1) , (2) , (3) , (4) , (5)

< C>

1 : 2 ~ 1 : 4

,

.

[] , (slough-off)

,

.

< A>

○ , ×

(1) (shaper wheel) , .

(2) 가 ,

·
(3)
·
(4) , ·

[] (1) ○

(2) × 가 ,

가 .

(3) ○

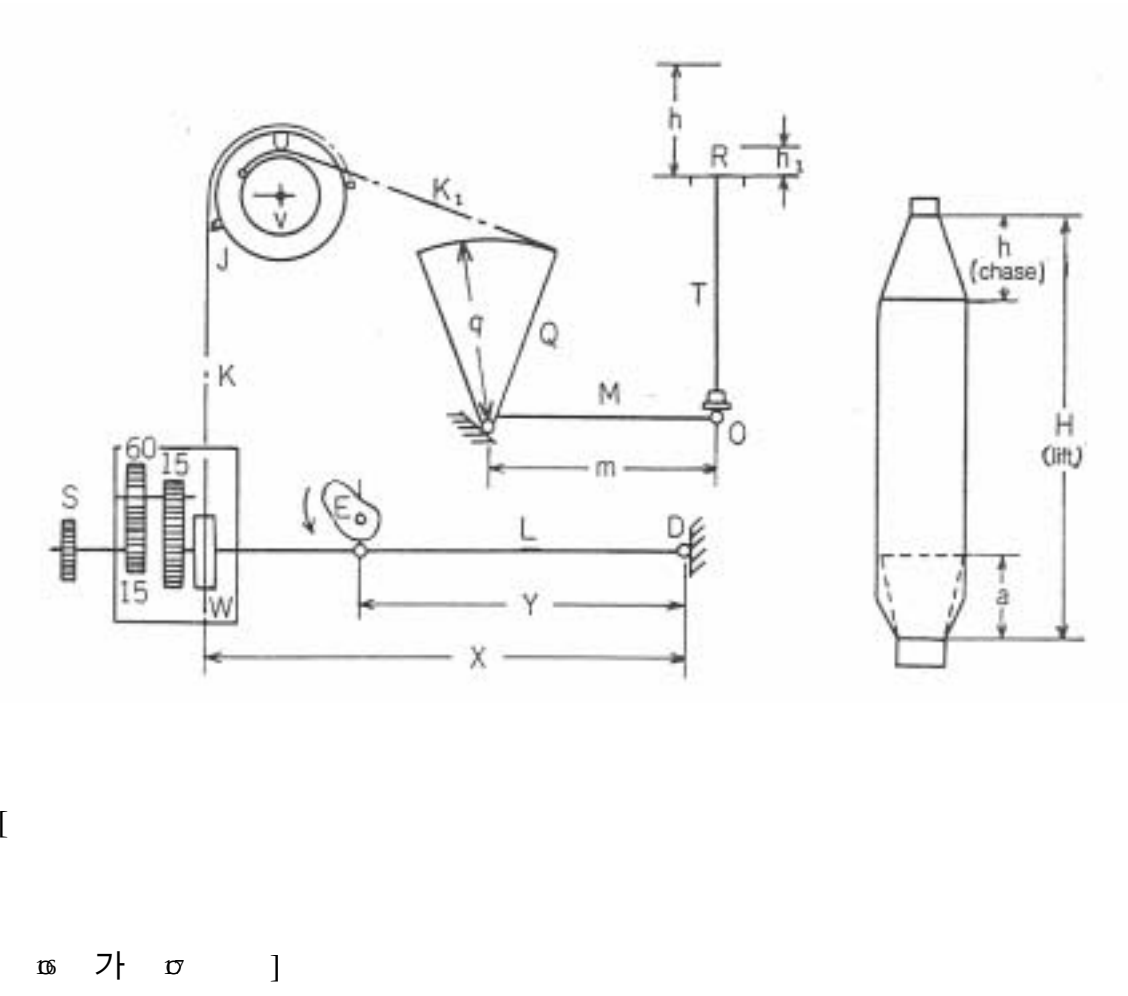
(4) × ,

(slough-off) .

< C>
· , . ()
· , ,
·
1) : 1 · h(chase) (1)
1 가 (2)
· , (3) a
·
2) : (4) , 1 : 2 ~ 1: 4
·
3) : a (5) ,
· (6) .
E가 1 (7) ,

$$h_1 \frac{m}{q} \times \frac{v}{u} \times \frac{X}{Y}$$

. u, v K₁, K₁ U, V , U
 J가 K U ,
 h₁ (8) L (9) 1 (pawl)
 W , 가
 J (10), 가 .



[]

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
		ㅅ							