

()

1.2.4 Gegauff (noil)

1.2.4.1

Charles Gegauff (noil)
(detachment setting) (feed
distance) .
, .
,
.
가 .

Z : (nipper)

A : (detaching roller)

B : (nipper) (fringe ;

K : (combing segment)

E : (detachment setting)

, (bite ;) (nip line)

S : (combing cycle) (mm)

M : 가 가 (mm)

a : $\geq E$

b : $=E-S$

c : < E-S

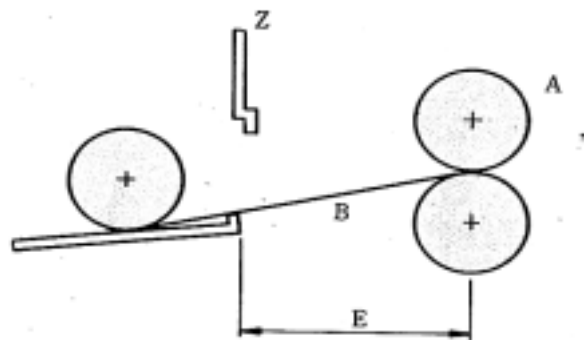
p : (noil)

(concurrent feed) 가

(sheet) .

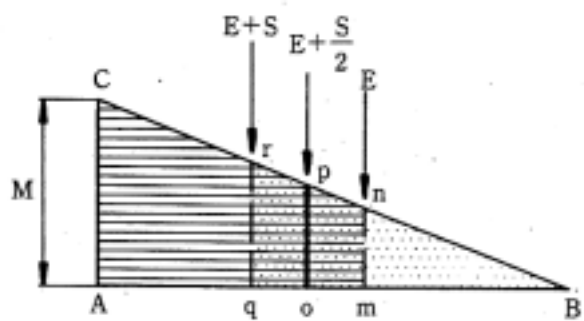
(counter-feed) 가

< 13> (staple diagram)



< 12> (counter feed) (detaching

cylinder) 가 (E)



< 13> (counter feed)

()

1.2.4.2 (counter-feed) (noil)

< 12> (detaching step)

가 가 (nip line)

, E . E

< 13> m-n , 가

. < 13> m-n (

AmnC) 가 .

가 (comb) (feed roller)

S (14).

E+S .

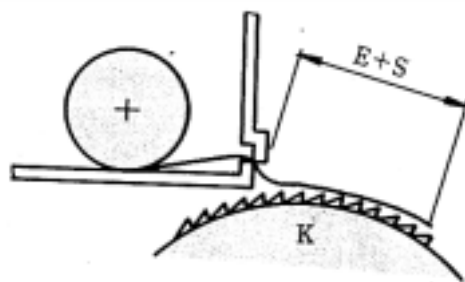
E+S

가 .

q-r . q-r

가 (

qBr).



< 14> (fringe)

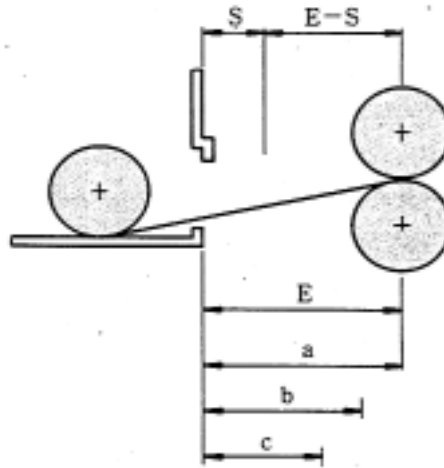
< 13> qmnr , 가

. ,
 AopC
 가 oBp
 가 .
 E+S/2 가 .
 ,
 가 가
 .

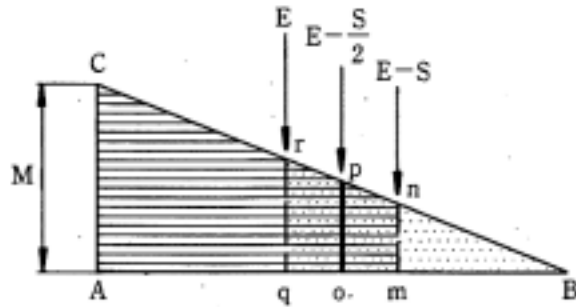
$$\begin{aligned}
 P\% &= [(oBp)/(ABC)] \times 100 \\
 &= [(op)^2/(AC)^2] \times 100 \\
 &= \{[E+(S/2)]^2/M^2\} \times 100
 \end{aligned}$$

1.2.4.3 (concurrent feed) < 15>
 가 , 가 E 가 가
 . (return stroke) 가
 E . 가 E
 가 , < 16>
 qBr .
 (forward stroke) , S
 가 가 . 가 E(15 a)
 . 가 E (E-
 S) b S (nip line)
 . , 가 (E-S)

, AmnC .



< 15> (concurrent feed) 가
가 가



< 16> ()

qmnr O-P(E-S/2)

, 가

$$P\% = [(oBp)/(ABC)] \times 100 [(op)^2/(AC)^2] \times 100$$

$$= \{[E-(S/2)]^2/M^2\} \times 100$$

distance)가 가 , (feed
가 가 가 .

1.2.5

, (E
E-S) 가
 . ()
 . 가
가 (web) 가 .
(comb)

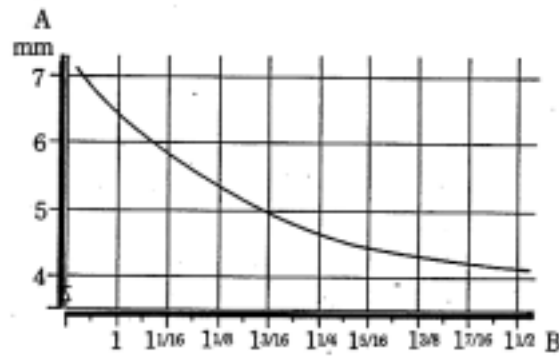
,
(combing) . ,
 ,
(nep) . ,
 .

1.2.6 (setting)

1.2.6.1 (cycle)

,
가 가 가 , (web)
 . ,

< 17>



< 17>

A : (mm)
B : (staple length)

1.2.6.2

5~12%(14%) “ (upgrading)”

12~25%

(

)

1.2.6.3 (detachment setting)

(nip line) 가 가

가

가 , (11).

15~25mm .

()가 , () .

1.2.6.4 (comb) (point) (comb segment) (clothing of needle) 가 . (point) (top comb) 가 , (saw-tooth clothing)가 . 가 , (comb) . (top comb) 가 23~32 가 (waste) 가 .

가 .

1.2.6.5 (top comb)

가 0.5mm , 2%
(nep)
(piecing)
가

1.2.6.6 (piecing)

(sheet)
(tuft ;
(piecing)
(web)
(ribbon)
가 가
(rectilinear cmber)

가
(spectrogram) (30~75cm)
가
(web pan)

가 [18(a)].

가

[b] , (b) 가].

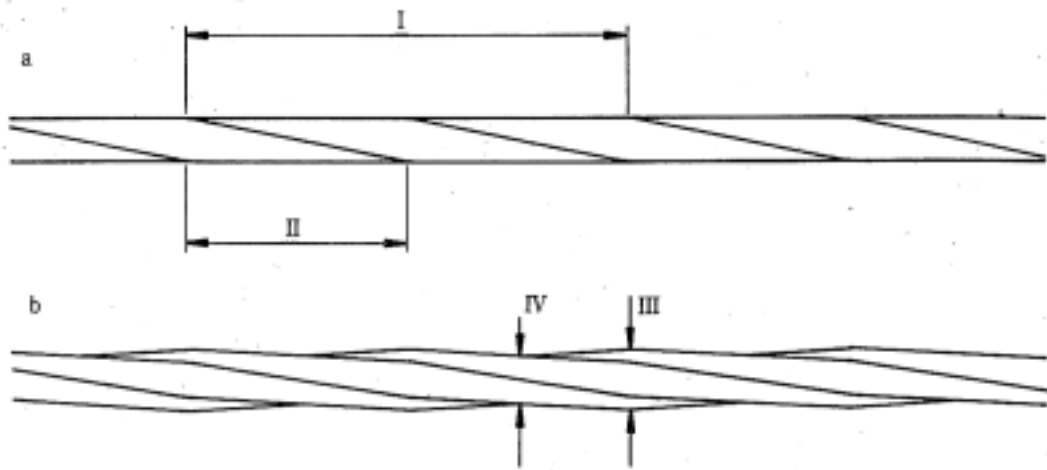
가

(nip line)

(trimming)

(timephasing) 가 ()

() .



< 18> (web)

a : (piecing) b :