

1.

50

60

가

(

, 가

가

)

2

가

가?

가

가

(byssinosis,

)

3

가

(

)

가

, ,

가

가

OSHA

가

1m³ 1mg

가

(waste)

(가

(air conditioner)

가)

. 가 . 가

가

.

2.

2.1

,

가 .

.

가

가?

-

가

가?

-

-

가

가?

가

가?

1 3

2 4

.

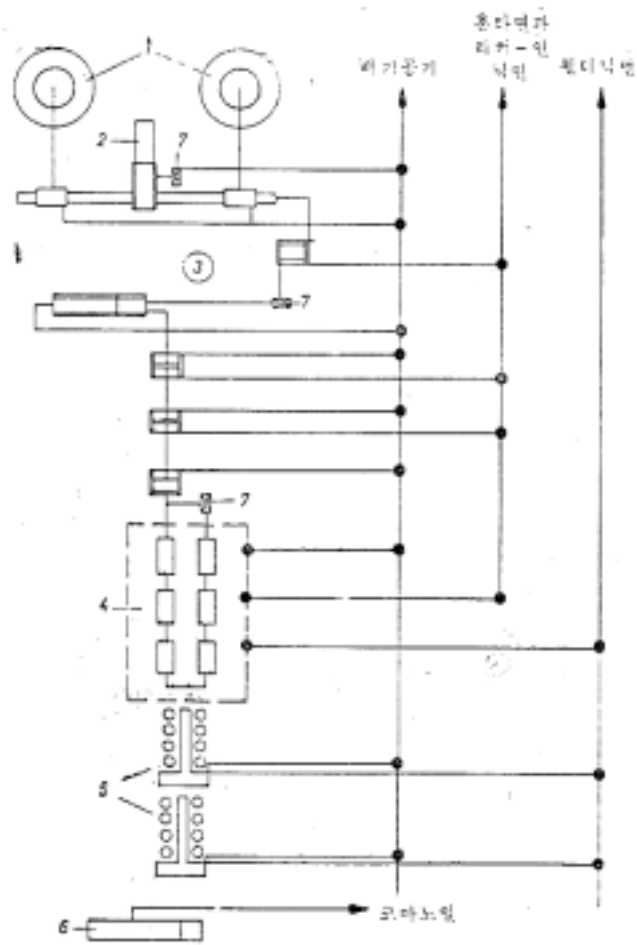
,

.

.

< 1>

.



< 1 >

1. 2. 3. 4. 5.
6. 7. (fans)

가

(a) , (b) , (c)

- (dropping)

(a) (b) , ,

, .

(waste)

， ， ．

(a) (b)

．

(Comber waste)

2.2

(1) (2)

(3) (4) (5) % ．

- 4~5% ．

500kg

20~25kg(44~50lbs) ． 1.5~2.0%, 7.5kg~10kg
(16.5~22lbs) ． 가

가 ．

가 ．

2.3

가, 가

．

， ， ，

．

， ， ， ．

俵(bale) ．

俵 ． -

가

, (filling material)

,

.

俵 . 俵

가 가

俵 .

3500kcal(6300 B.Th./lbs) .

(central

municipal incinerator)

.

1 .

가 .

3.

. (1) . (2) (3) .

3.1

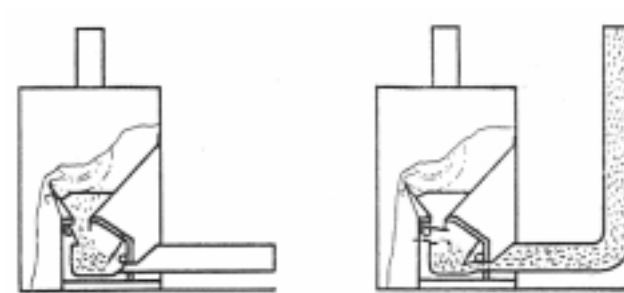
3.1.1 -

. ,

- , .

, , .

.
 .
 (, ,) .
 가 < 2> (0.5m²)
 가 -



< 2>

3.1.2

가 가
 가
 가 가

(a) < 3>

(integrated aspiration)

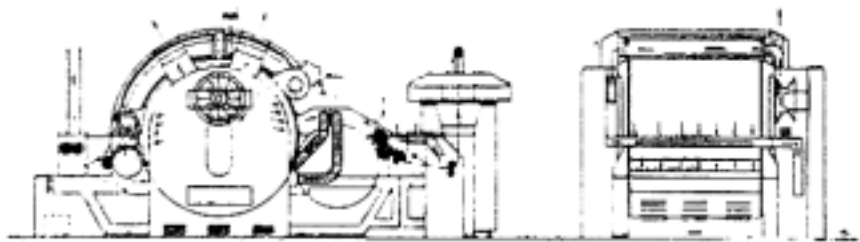
(b) 가 가

(4).

集積 (filter box)

(central system)

가



< 3> (C1/2)



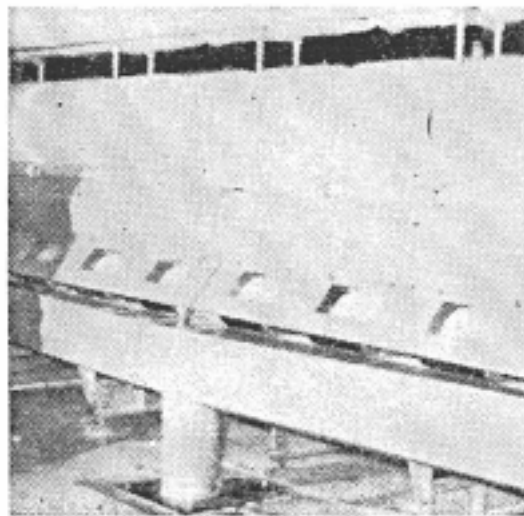
< 4> 가

- 1.
- 2.
- 3.
- 4.
- 5.

3.1.3

(pneumatic removal system)

.< 5>



< 5a>



< 5b>

가

3.2

- (pneumatic pipeline system) .
가
,
(pneumatic evacuation system) 가
.
()가 . < 3>
가 .

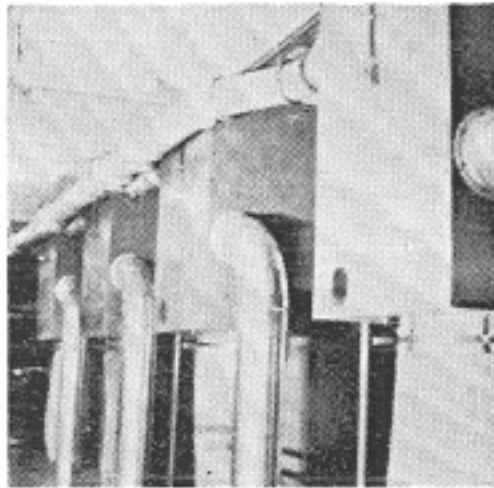
3.3

가 .
가 .
(a) 俵
가
. < 6>



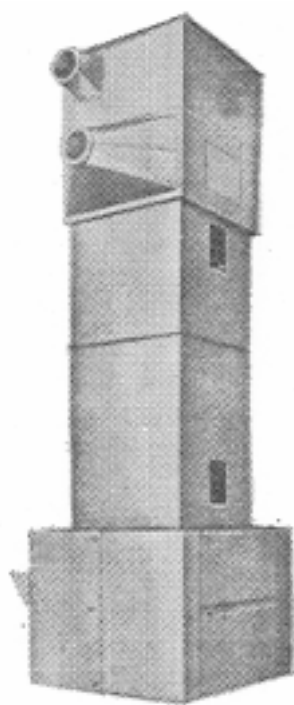
< 6>

(b) (bag) < 7> : (bag)
 (pneumatic pipeline) .
 (cyclone) . (worm)
 (ramming piston)
 30~50kg(66~110lbs.) 가 .
 200kg(440lbs.) .

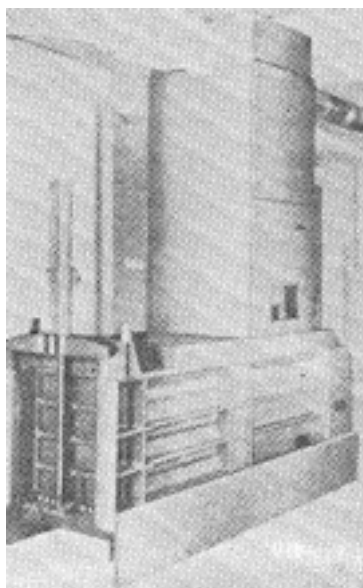


< 7> (bag)
 (c) (silo) < 8>.
 (b) 가 .
 가 . 가
 俵 .
 가 . 俵 150~200kg (330~440lbs.) .
 俵 가
 가 . 가
 (banding)

1000kg(2200lbs.) .



< 8>



< 9> 俵

(d) 俵 :

. < 9>

俵 俵 .
80~120kg(175~265lbs.) 150kg(330lbs.) .

4.1 間歇的

(waste)

(fan)

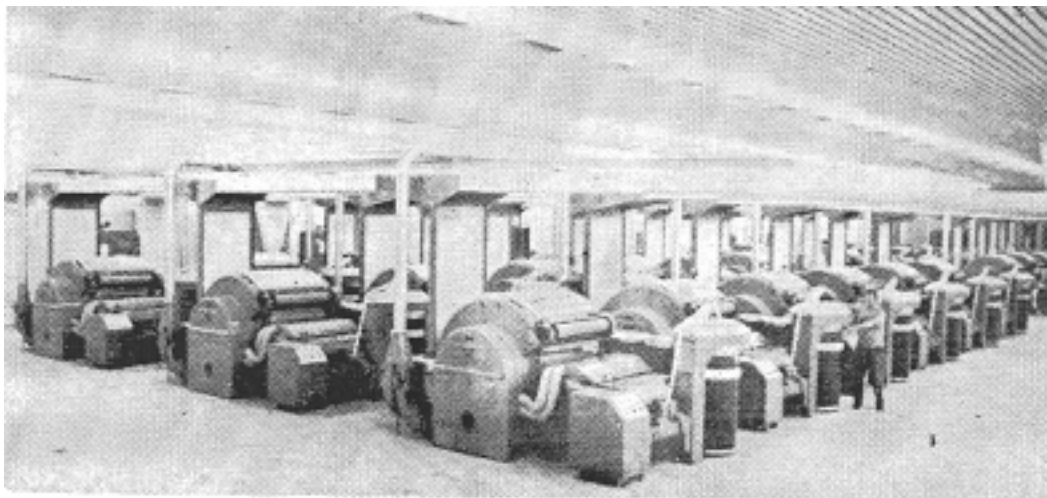
. < 10> 가

(waste)

가 .

가 가 , ,

6~12



< 10> (aerofeed)

가

.

.

가

.

(dust)

(fly)가

가 .

4.2

,

가

가 .

가

.

가

(filter)

.

4.3

.

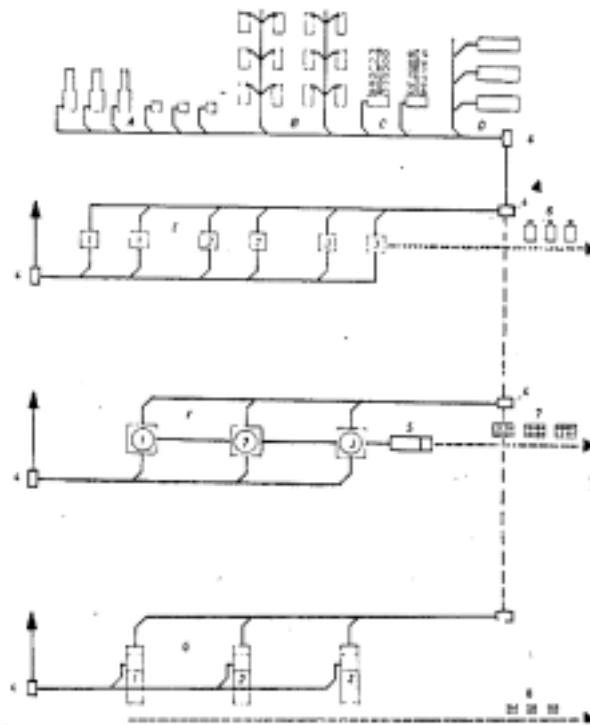
.

(lot) 3

等

絲

4.3.1 (bag) < 11>



< 11>

(a)

(b) 儀

(c) 儀

A: B: C: D: E:

F: 儀 G: 儀

1. -
2. , , 3. 4.
5. 儀 6. 7. 儀
8. 儀

2

(bag)

가

가

A

- (licker-in)

- (dropping)

1

2

3

(comber waste)

300~400kg (660~880lbs)

가 400~1,000kg/h (880~2,200lbs/h)

(baling press)가

(silo)

4.3.2. (silo)가

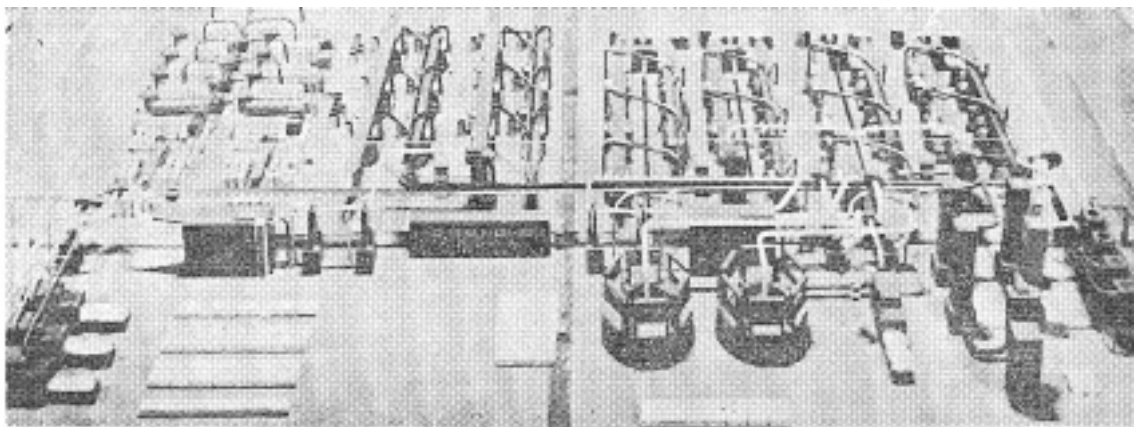
.(11). 7.5m(24 7)

150~250kg 1俵

.
 (pressing)
 .
 俵
 .
 俵 (: , ,) (pressing)
 .
 150~200kg (330~440lbs) 가
 가 가

.
 4.3.3. 俵 가
 (bag) 俵 가

가
 < 12>



가 .

5.

(fly) 가
가 .

.

.

.

가 .

.