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1.

## [0006]

To prevent deterioration in quality of a heat resistance material due to erosion, for example, Patent Document 1 suggests coating the entire surface of a body (a fusion cell) composed of the heat resistance material such as a firebrick with platinum or a platinum alloy by flame spraying.

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## **CITATION LIST**

PATENT LITERATURE

[0007]

Patent Document 1: Japanese Unexamined Patent publication (Kokai) No. 2099-99999

## SUMMARY OF INVENTION

# **TECHNICAL PROBLEM**

## [0008]

Now referring to an enlarged view in FIG. 1, the lower end 103 of a body 100 composed of, for example, the firebrick is somewhat rounded. The reason is that if the lower end 103 of the body 100 is sharp, then the lower end is easy to crack during production of the body 100 or formation of a glass plate g; this may cause a serious trouble: for example, a crack of the body 100 occurs beginning at that crack.

[0009]

When the lower end 103 of the body 100 is rounded as above, on the other hand, molten glass gm

may be separated from both the side surfaces 102 of the body 100 before the molten glass is combined at the lower end 103 of the body 100. If such separation occurs, a space X shown in the figure is defined between the lower end 103 of the body 100 and the molten glass plate g.

#### [0010]

The formation of this space X allows air in the space X to enter the combined portion when the molten glass gm is combined, generating defects such as air bubbles in the glass plate g. This gives rise to the degradation of the product quality of the glass plate g.

## [0011]

It is to be noted that these conditions are not changed by forming coating such as platinum coating by spraying on the surface of the body 100 composed of the heat resistance material as disclosed in Patent Document 1. More specifically, this is because, even though the surface of the body 100 is coated, the coating is naturally rounded so as to follow the shape of the lower end 103 of the body 100. The body 100 even coated with platinum or a platinum alloy by spraying may accordingly define the space X shown in FIG. 1, thereby still arising the problem of the defects such as air bubbles. [0012]

In view of the above circumstances, it is an object of the present invention to prevent the formation of defects such as air bubbles in the glass plate to be formed.

#### 2.

## (Example 2)

Five sets of composite yarn produced in example 1 was used to produce the inventive knitted gloves by a knitted gloves producing apparatus of seven gauges made by SHIMA SEIKI MFG., ltd. The number of cutting as the cut resistance of the inventive knitted gloves was 16,256. For reference, five sets of 100% twaron yarn 20/2 was also used to produce reference knitted gloves by the knitted gloves producing apparatus of seven gauges made by SHIMA SEIKI MFG., ltd. The number of cutting as the cut resistance of the inventive knitted gloves by the knitted gloves producing apparatus of seven gauges made by SHIMA SEIKI MFG., ltd. The number of cutting as the cut resistance of the reference knitted gloves was 16. Although the inventive knitted gloves were less comfortable to wear than the reference knitted gloves because of hard texture, there was no problem in use. The inventive knitted gloves were produced at lower cost than the reference knitted gloves.

3.

A tensioner 10 for use in belt transmission system, comprising:

a cylinder 11 including a first hole 13 and an oil passage 18 connecting to the first hole 13, the first hole 13 and the oil passage 18 being formed in an interior of the cylinder 11;

a piston 12 including a second hole 17 formed in an interior of the piston, the piston being inserted in the first hole 13;

a coil spring 16 whose ends contact a bottom of the second hole 17 and a bottom of the first hole

13, the coil spring being slidably accommodated in an interior of the second hole 17; and

a check value 19 that allows hydraulic oil to flow from the oil passage to the first hole 13 while inhibiting the flow in an opposite direction, wherein

the piston 12 has an outer circumference on which a piston rack 20 is partially formed, and the cylinder 11 has an opening 22 connecting to the first hole 13, a cylinder rack 21 engaging with the piston rack 20 through the opening 22, and a biasing portion 25 configured to bias the cylinder rack 21 toward the piston rack 20.