[0004]

In order to solve the above described problems, there is provided a range hood which includes: an inner face panel provided at an inner face of a hood and having an opening part through which air is sucked; and a straightening plate opposed to the inner face panel and attached to cover the opening part, and in which, in a mounted state, a first end of the inner face panel and a first end of the straightening plate corresponding to the first end of the inner face panel are respectively in higher positions than a second end of the inner face panel and a second end of the straightening plate corresponding to the second end of the inner face panel, the inner face panel and the straightening plate being tilted so as to be in a high position on a front side and in a low position on a rear side and the range hood is a side draft type range hood, the range hood further including: an air volume suppressing part which reduces a space between the straightening plate and the inner face panel partly on a second end side of the straightening plate or on a second end side of the inner face panel; and an oil receiving part provided on the second end side of the straightening plate or on the second end side of the inner face panel and having a greater width than that of the second end of the straightening plate.

In this way, the flowrate of air partly at the lower side which is the second end of the straightening plate is reduced, the force of sucking air is dispersed among other parts, the suction performance in positions other than in the swelling part improves, and the range hood can be provided which secures the force for sucking oily smoke at air inlets away from the opening part.

[0005]

Furthermore, the air volume suppressing part may be a swelling part formed by a part of the inner face panel swelling toward the straightening plate to a position corresponding to a center part on the second end side of the straightening plate.

In this way, the opposed ends of the lower side which is the second end of the straightening plate are provided in the vicinity of a cooker, the suction force concentrates in the vicinity of the opposed ends, oily smoke can efficiently be caught in a position near the cooker before being diffused, the suction performance can be improved without increasing the number of parts, and therefore the suction performance can be improved inexpensively. The swelling part is provided seamlessly with the inner face panel for example by press-working, which makes cleaning easy.

[0006]

Furthermore, the second end side of the inner face panel at the swelling part may have a smaller width than that of the oil receiving part.

In this way, oil adhering to the inner face panel or the like is allowed to flow to the oil receiving part along the swelling part.

[CLAIMS]

[Claim 1]

A range hood comprising:

an inner face panel provided at an inner face of a hood and having an opening part through which air is sucked; and

a straightening plate opposed to the inner face panel and attached to cover the opening part,

wherein, in a mounted state, a first end of the inner face panel and a first end of the straightening plate corresponding to the first end of the inner face panel are respectively in higher positions than a second end of the inner face panel and a second end of the straightening plate corresponding to the second end of the inner face panel, the inner face panel and the straightening plate being tilted so as to be in a high position on a front side and in a low position on a rear side and the range hood is a side draft type range hood,

the range hood further comprising:

an air volume suppressing part which reduces a space between the straightening plate and the inner face panel partly on a second end side of the straightening plate or on a second end side of the inner face panel; and

an oil receiving part provided on the second end side of the straightening plate or on the other end side of the inner face panel and having a width greater than that of the second end of the straightening plate.

[Claim 2]

The range hood of claim 1, wherein the air volume suppressing part is a swelling part formed by a part of the inner face panel swelling toward the straightening plate to a position corresponding to a center part on the second end side of the straightening plate.

[Claim 3]

The range hood according to claim 2, wherein the second end side of the inner face panel at the swelling part has a smaller width than that of the oil receiving part.

[Claim 4]

The range hood according to claim 2 or 3, wherein the swelling part is covered with the straightening plate.

[Claim 5]

The range hood according to claim 1, wherein the air volume suppressing part is a flange formed by a part of the straightening plate rising toward the inner face panel in a center part of the second end of the straightening plate.

[Claim 6]

The range hood of any one of claims 1 to 5, wherein the oil receiving part is provided perpendicularly under the second end of the straightening plate.

[Claim 7]

The range hood according to any one of claims 1 to 6, wherein the second end of the inner face panel comprises a leading flange part which leads oil adhering to a back side to the oil receiving part.

[Claim 8]

The range hood according to claim 7, wherein the leading flange part has a shorter width in a direction along the greater width of the oil receiving part than a width of the oil receiving part in the same direction.

[Claim 9]

The range hood according to any one of claims 1 to 8, wherein the inner face panel has an attached part to which an attaching part of the straightening plate is attached,

the attached part is provided at the air volume suppressing part when the air volume suppressing part is provided at the inner face panel, and

the attaching part is provided at the air volume suppressing part when the air volume suppressing part is provided at the straightening plate.

[Claim 10]

The range hood according to any one of claims 1 to 9, further comprising a blower box including a fan casing therein, wherein

the fan casing has a fan casing oil drain hole which guides an oil content adhering to an inside of the fan casing in a downward direction,

the blower box has a blower box oil drain hole which guides oil dropping from the fan casing oil drain hole or an oil content adhering to an inside of the blower box further in the downward direction,

a front side end part of the blower box oil drain hole is positioned nearer to a rear side than a rear side end part of a filter fitted to the opening part, and

a rear side end part of the blower box oil drain hole is positioned nearer to a front side than a rear side end part of the oil receiving part.