Claims

1. A suction tool attached to a suction-type cleaning device, the suction tool comprising:

a case configured to define an internal space between a pair of side walls disposed respectively at positions spaced away from each other in a left-to-right direction and a channel for air flowing from the internal space into the cleaning device on a rear wall, the internal space being configured to extend upward from a suction opening which is opened downward and allows dust to be sucked from the suction opening;

a rotary cleaning body including a proximal end connected to one of the pair of side walls and being configured to extend laterally in the internal space and come in contact with a floor surface through the suction opening, the rotary cleaning body being configured to taper toward a distal end of the rotary cleaning body, and

~~another~~ a second rotary cleaning body including a proximal end connected to the other of the pair of side walls and being configured to extend laterally in the internal space and come in contact with the floor surface through the suction opening, the ~~other~~ second rotary cleaning body being configured to taper toward a distal end of the ~~other~~ second rotary cleaning body,

wherein the rotary cleaning body and the ~~other~~ second rotary cleaning body are supported in a cantilever style by the case so that a space is formed between the distal ends of the rotary cleaning body and the ~~other~~ second rotary cleaning body, the space being configured to allow dust winding around the rotary cleaning body and the ~~other~~ second rotary cleaning body to be removed through the space.

2. The suction tool according to claim 1,

wherein the space is formed near an opening end of the channel which is opened toward the internal space.

3. The suction tool according to claim 2,

wherein the space is aligned with the opening end in an opening direction of the opening end.

~~5~~4. The suction tool according to any one of claims 1 to 3,

wherein ~~a pair of the rotary cleaning bodies~~ the rotary cleaning body and the second rotary cleaning body are symmetrical in shape with each other with respect to the space.

5. The suction tool according to any one of claims 1 to 4,

wherein an axis of the rotary cleaning body is inclined downward from the side portion configured to support the proximal end of the rotary cleaning body.

6. The suction tool according to any one of claims 1 to 4,

wherein the case includes a front wall situated in front of the internal space, and

wherein the axis of the rotary cleaning body is inclined frontward from the side portion configured to support the proximal end of the rotary cleaning body, and

wherein the space is situated in front of the opening end of the channel which is opened toward the internal space.

7. The suction tool according to any one of claims 1 to 6,

wherein the rotary cleaning body includes a core rod extending laterally, and a scraping portion provided on an outer peripheral surface of the core rod and configured to scrape off dust on the floor surface, and

wherein the scraping portion extends spirally on the outer peripheral surface of the core rod or extends diagonally to three-dimensionally intersect an axis of the core rod.

8. The suction tool according to claim 7,

wherein a projection amount of the scraping portion is uniform.

9. The suction tool according to claim 7,

wherein a projection amount of the scraping portion from the outer peripheral surface of the core rod is reduced toward the distal end of the rotary cleaning body.

10. The suction tool according to any one of claims 7 to 9,

wherein the scraping portion is made of an elastically deformable material.