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(12) **United States Design Patent**  
**Jin**

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(54) **VACUUM CLEANER**

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A47L 9/26; A47L 11/34; A47L 7/0038;  
B65H 75/18

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

|              |         |                    |       |        |
|--------------|---------|--------------------|-------|--------|
| D333,195 S * | 2/1993  | Oberdorfer-Bogel   | ..... | D32/23 |
| D333,890 S * | 3/1993  | Oberdorfer-Bogel   | ..... | D32/23 |
| D334,258 S * | 3/1993  | Oberdorfer-Bogel   | ..... | D32/23 |
| D581,608 S * | 11/2008 | Dammkoehler et al. | ..... | D32/21 |
| D633,665 S * | 3/2011  | Dammkoehler        | ..... | D32/21 |
| D655,874 S * | 3/2012  | Dammkoehler        | ..... | D32/24 |
| D667,597 S * | 9/2012  | Dammkoehler        | ..... | D32/21 |
| D669,646 S * | 10/2012 | Theising et al.    | ..... | D32/23 |

|                   |         |                    |       |        |
|-------------------|---------|--------------------|-------|--------|
| D715,505 S *      | 10/2014 | Dammkoehler        | ..... | D32/21 |
| D725,328 S *      | 3/2015  | Aglassinger et al. | ..... | D32/21 |
| D725,329 S *      | 3/2015  | Aglassinger et al. | ..... | D32/21 |
| 2015/0074936 A1 * | 3/2015  | Plato et al.       | ..... | 15/324 |

**OTHER PUBLICATIONS**

Extract from catalog of Alfred Kaercher GmbH & Co. KG, "Programme 2009 Kaercher Professional Commercial", cover, pp. 85-87, 94-101 and last page. (Mar. 2009).

Extract from catalog of Alfred Kaercher GmbH & Co. KG, "Programme 2009 Kaercher Residential", cover, pp. 81, 83, 86, 87 and last page. (Mar. 2009).

Extract from catalog of Alfred Kaercher GmbH & Co. KG, "Programme 2010 Kaercher Home & Garden", cover, pp. 80-85, 89 and last page. (Nov. 2009).

Extract from catalog of Alfred Kaercher GmbH & Co. KG, "Programme 2010 Kaercher Professional", cover, pp. 94-105 and last page. (Nov. 2009).

Extract from catalog of Alfred Kaercher GmbH & Co. KG, "Programme 2011 Kaercher Professional", cover, pp. 120-134, 136, 138, 142, 148 and last page. (Nov. 2010).

(Continued)

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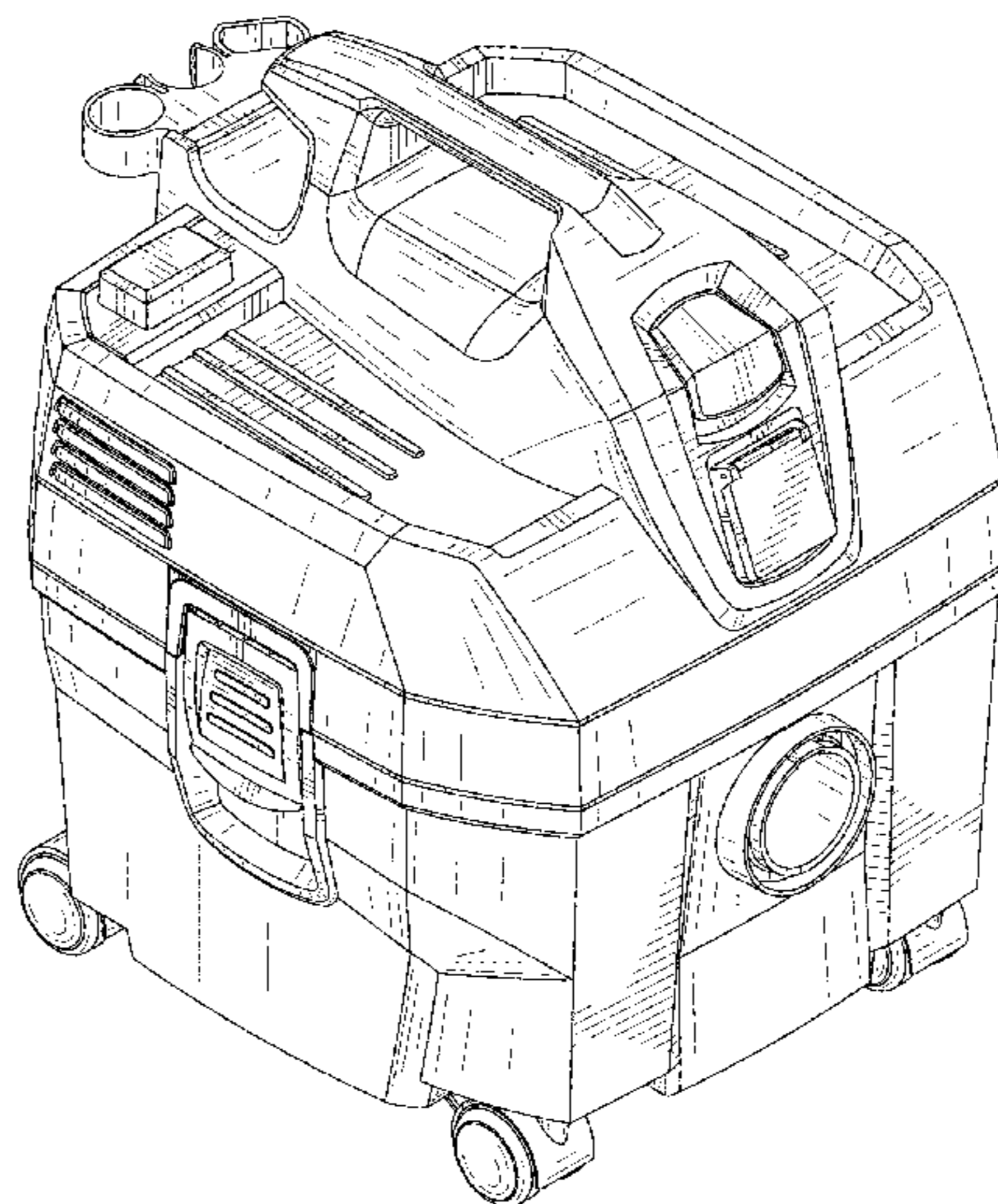
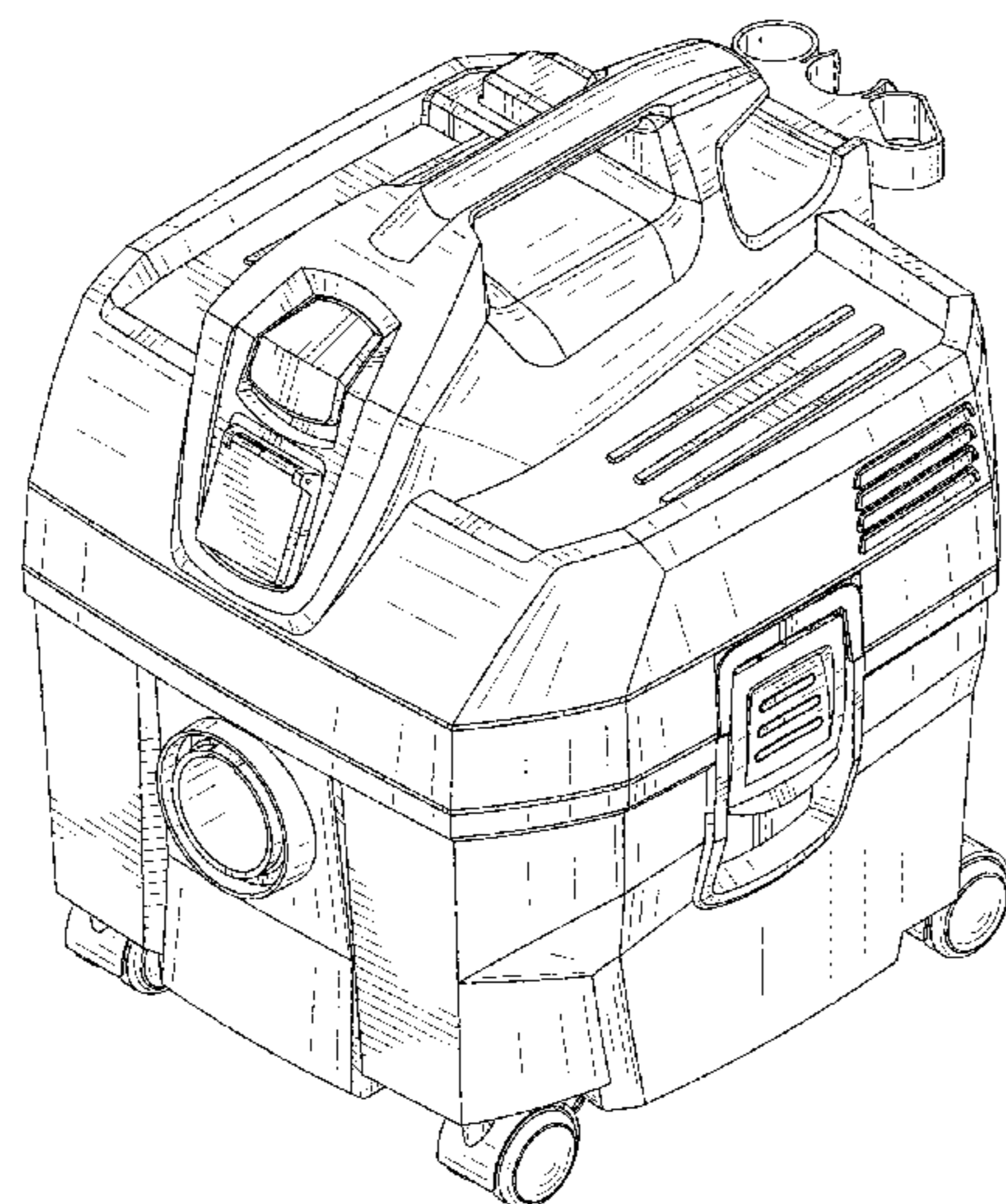
(57) **CLAIM**

The ornamental design for a vacuum cleaner, as shown and described.

**DESCRIPTION**

FIG. 1 is a front, top and left side perspective view of a vacuum cleaner showing the new design;  
FIG. 2 is a front, top and right side perspective view thereof;  
FIG. 3 is a front elevational view thereof;  
FIG. 4 is a left side elevational view thereof;  
FIG. 5 is a rear elevational view thereof;  
FIG. 6 is a right side elevational view thereof; and,  
FIG. 7 is a top plan view thereof.

**1 Claim, 7 Drawing Sheets**



(56)

**References Cited**

OTHER PUBLICATIONS

Extract from catalog of Alfred Kaercher GmbH & Co. KG, "Programme 2012 Kaercher Professional (Professional Industrial)", cover, pp. 108, 110, 111, 115-118 and last page. (Nov. 2011).

Extract from catalog of Alfred Kaercher GmbH & Co. KG, "Programme 2012 Kaercher Professional", cover, pp. 126-134, 136, 138, 140, 142, 144, 146, 148, 150, 151, 162 and last page. (Nov. 2011).

Extract from catalog of Alfred Kaercher GmbH & Co. KG, "Programme 2012 Kaercher Home & Garden", cover, pp. 72-81 and last page. (Oct. 2011).

Extract from catalog of Alfred Kaercher GmbH & Co. KG, "Programme 2013 Kaercher Home & Garden", cover, pp. 70-86 and last page. (Oct. 2012).

Extract from catalog of Alfred Kaercher GmbH & Co. KG, "Programme 2013 Kaercher Xpert", cover, pp. 14, 15 and last page (Nov. 2012).

Extract from catalog of Alfred Kaercher GmbH & Co. KG, "Programme 2013 Kaercher Professional", cover, pp. 238, 240-267 and last page (Nov. 2012).

\* cited by examiner

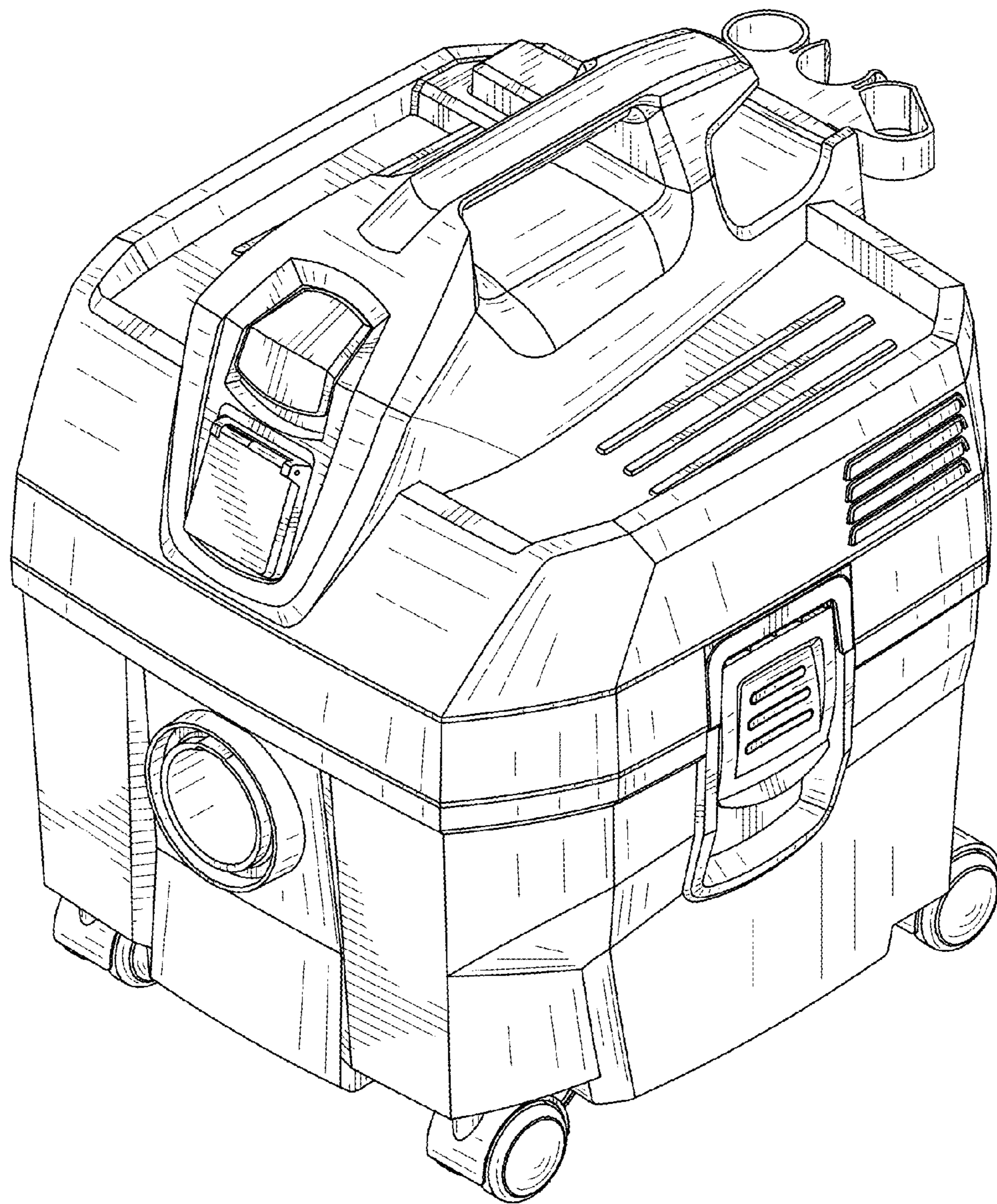


FIG. 1

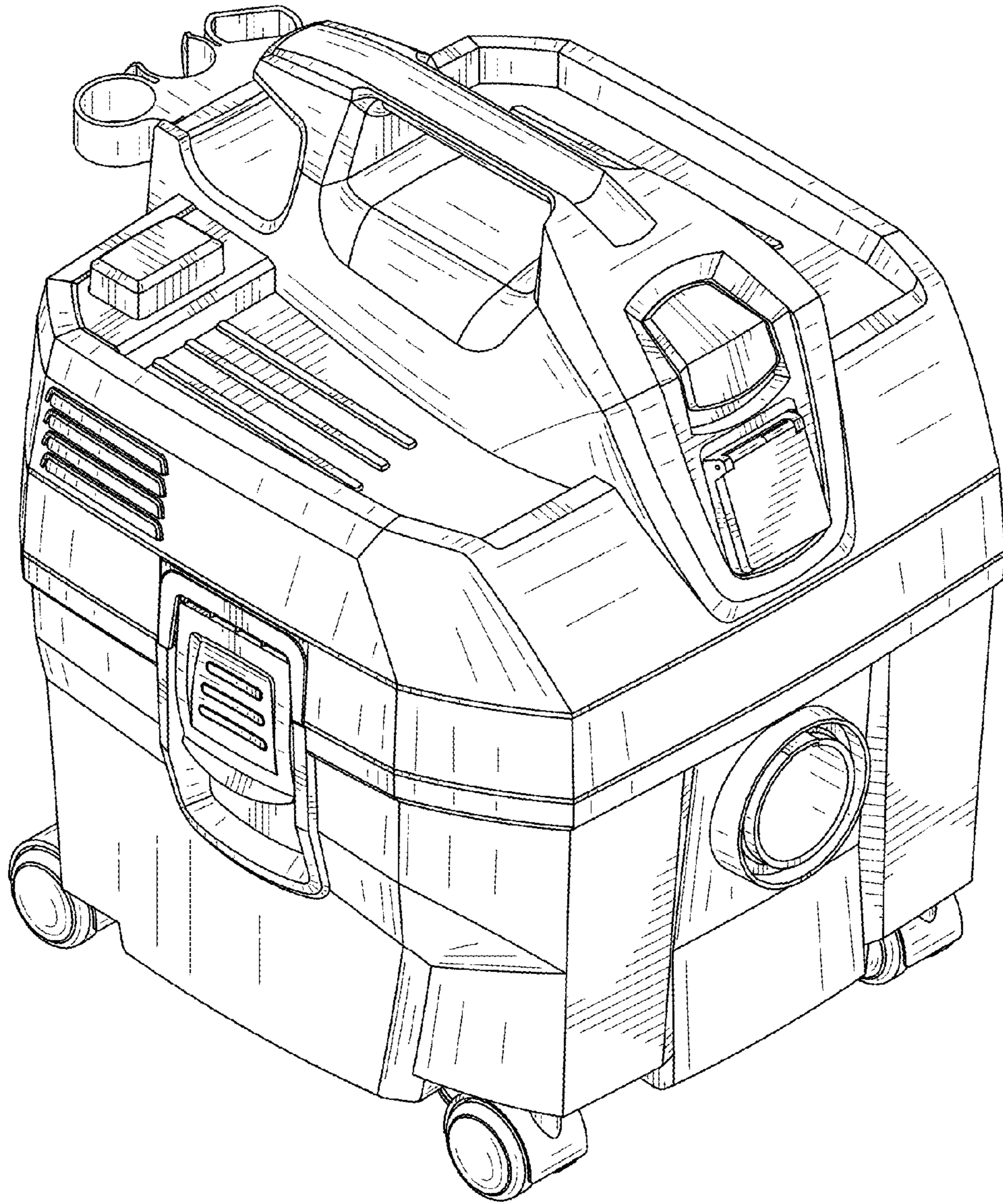
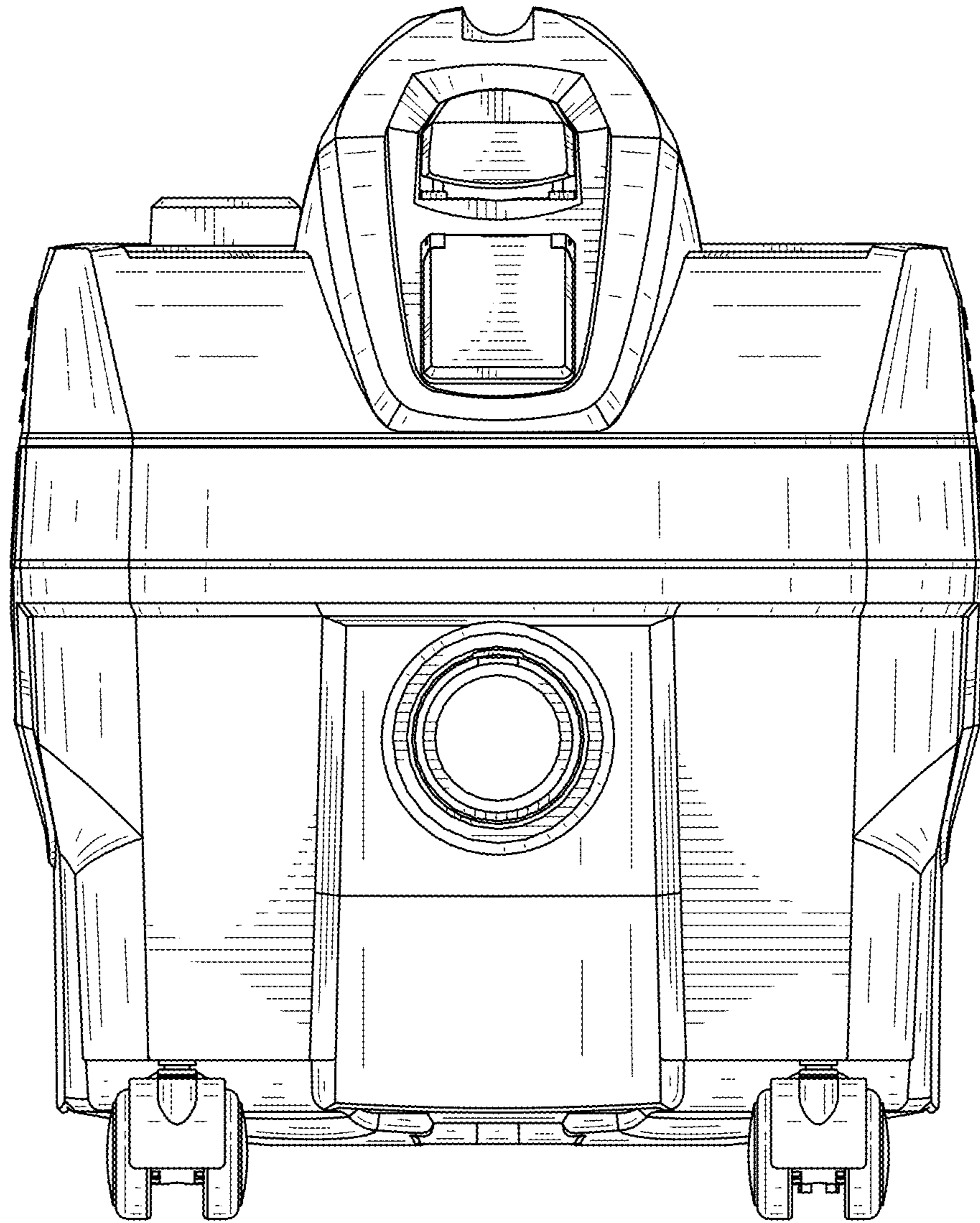


FIG. 2



**FIG. 3**

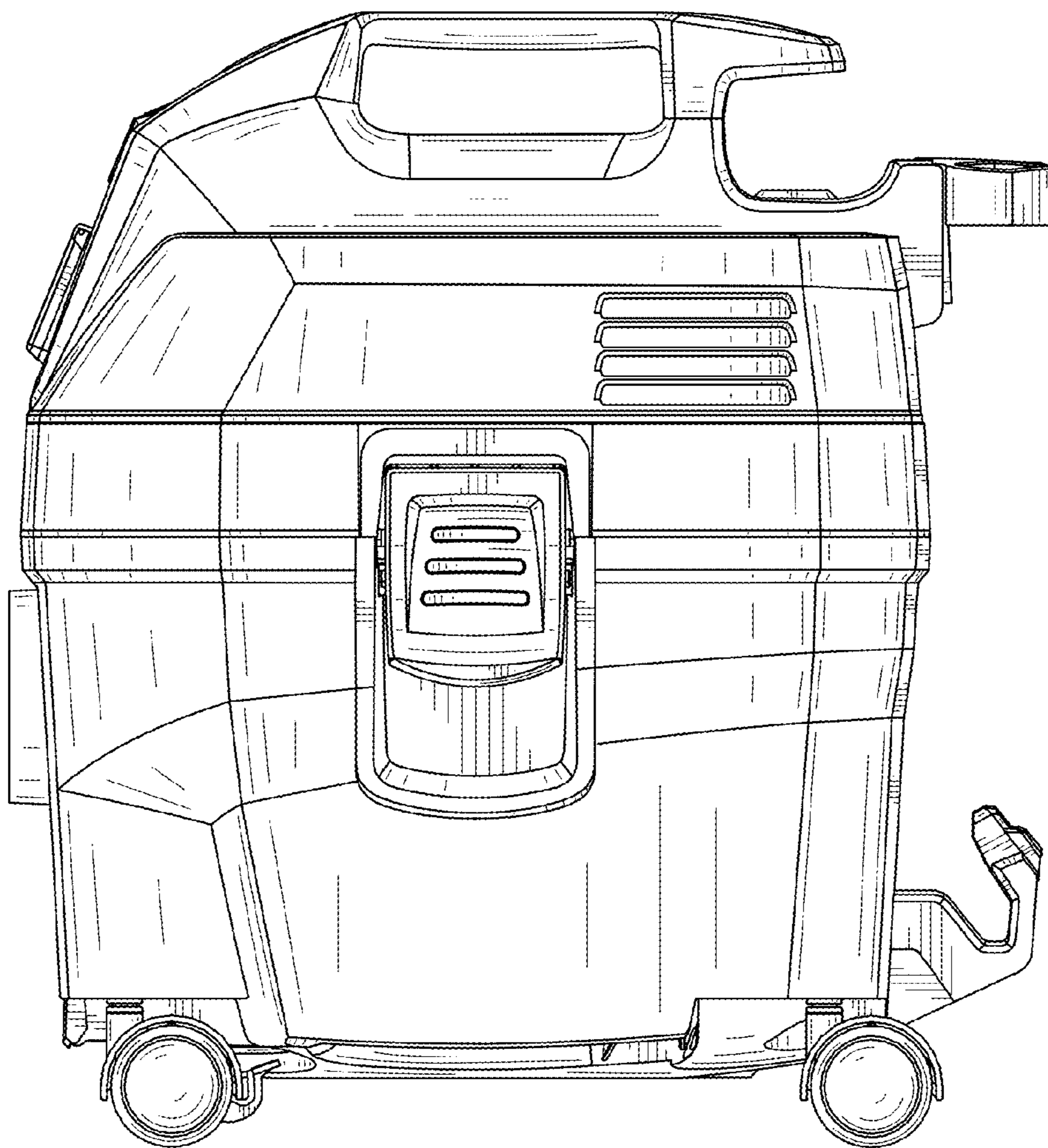
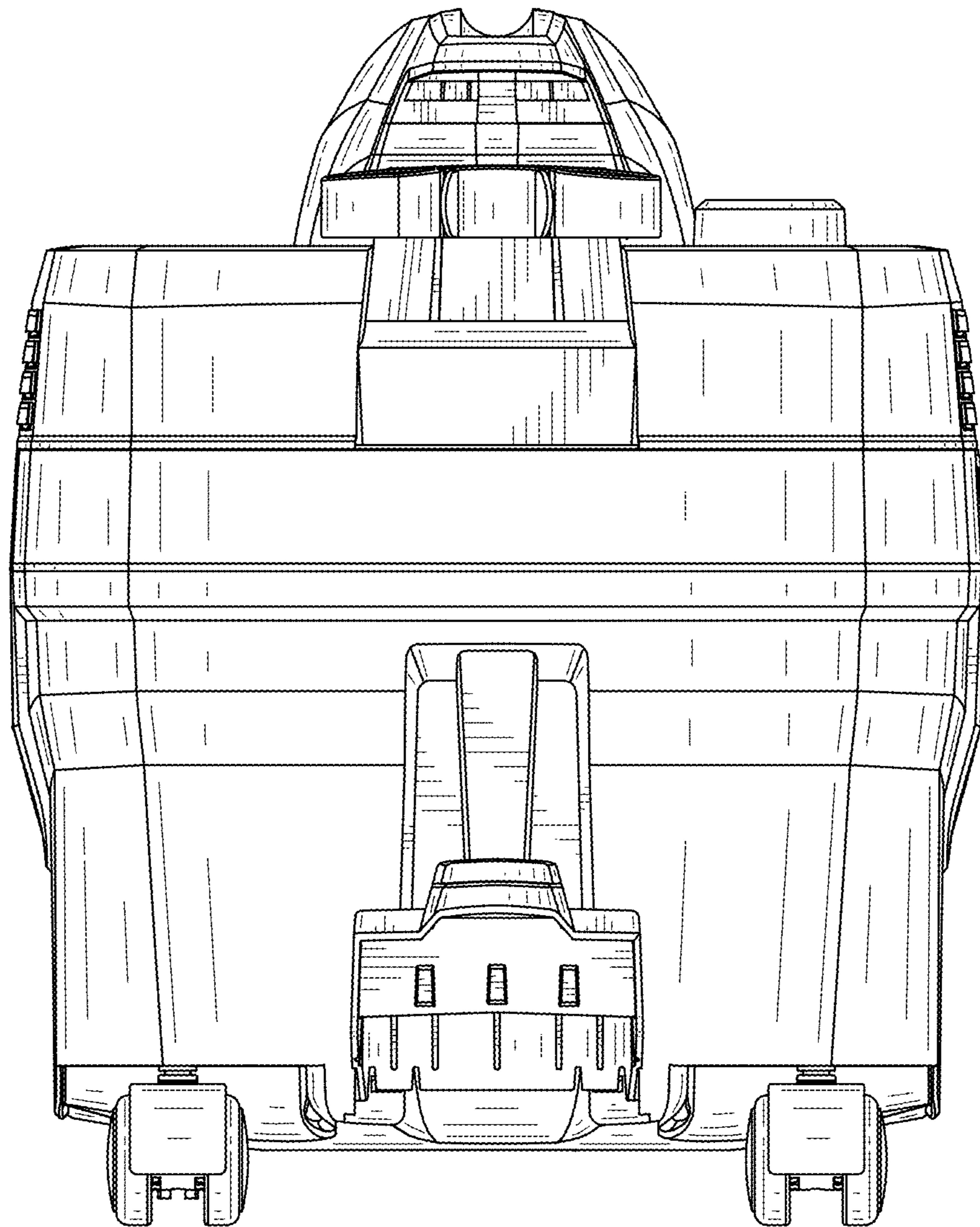


FIG. 4



**FIG. 5**

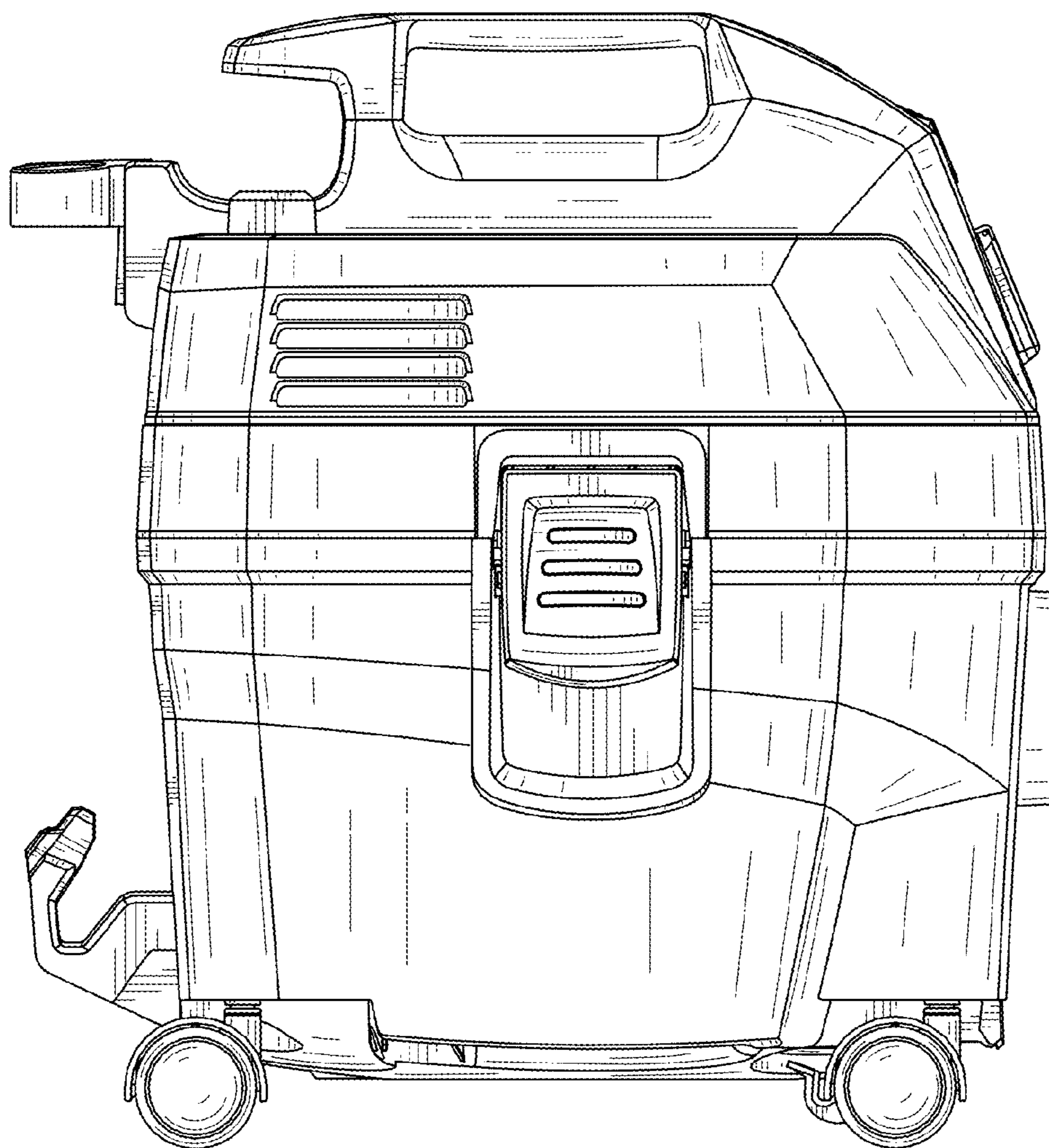
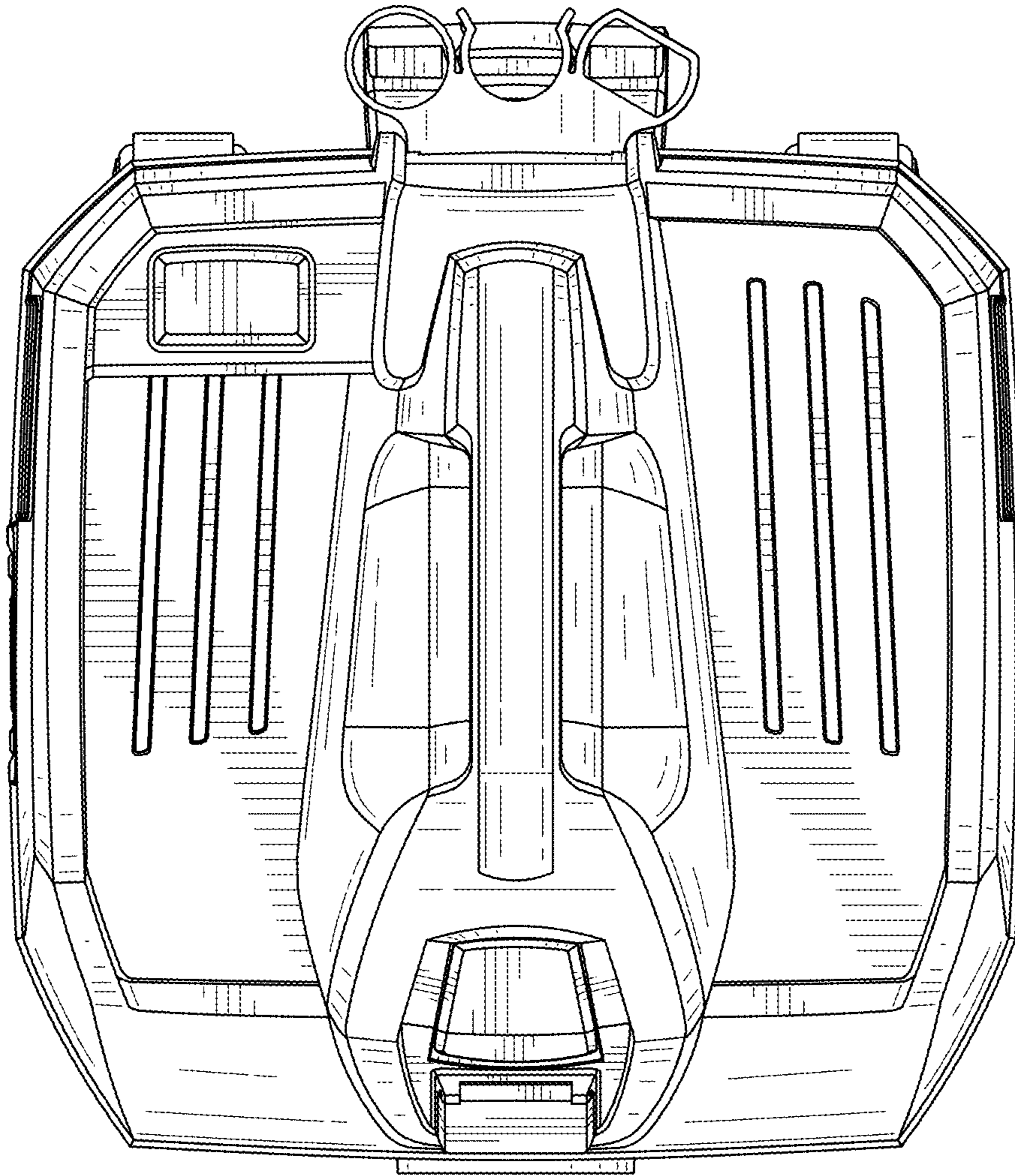


FIG. 6





**FIG. 7**