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(12)

United States Design Patent

Xia et al.

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(54) CLEANING ROBOT

(71) Applicant: Beijing Roborock Technology Co., Ltd., Beijing (CN)

(72) Inventors: Pei Xia, Beijing (CN); Wanqi Li, Beijing (CN); Fanwei Meng, Beijing (CN)

(73) Assignee: Beijing Roborock Technology Co., Ltd., Beijing (CN)

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USPC D32/21

(58) Field of Classification Search
USPC D32/15, 16, 18, 19, 21, 31–33, 25
(Continued)

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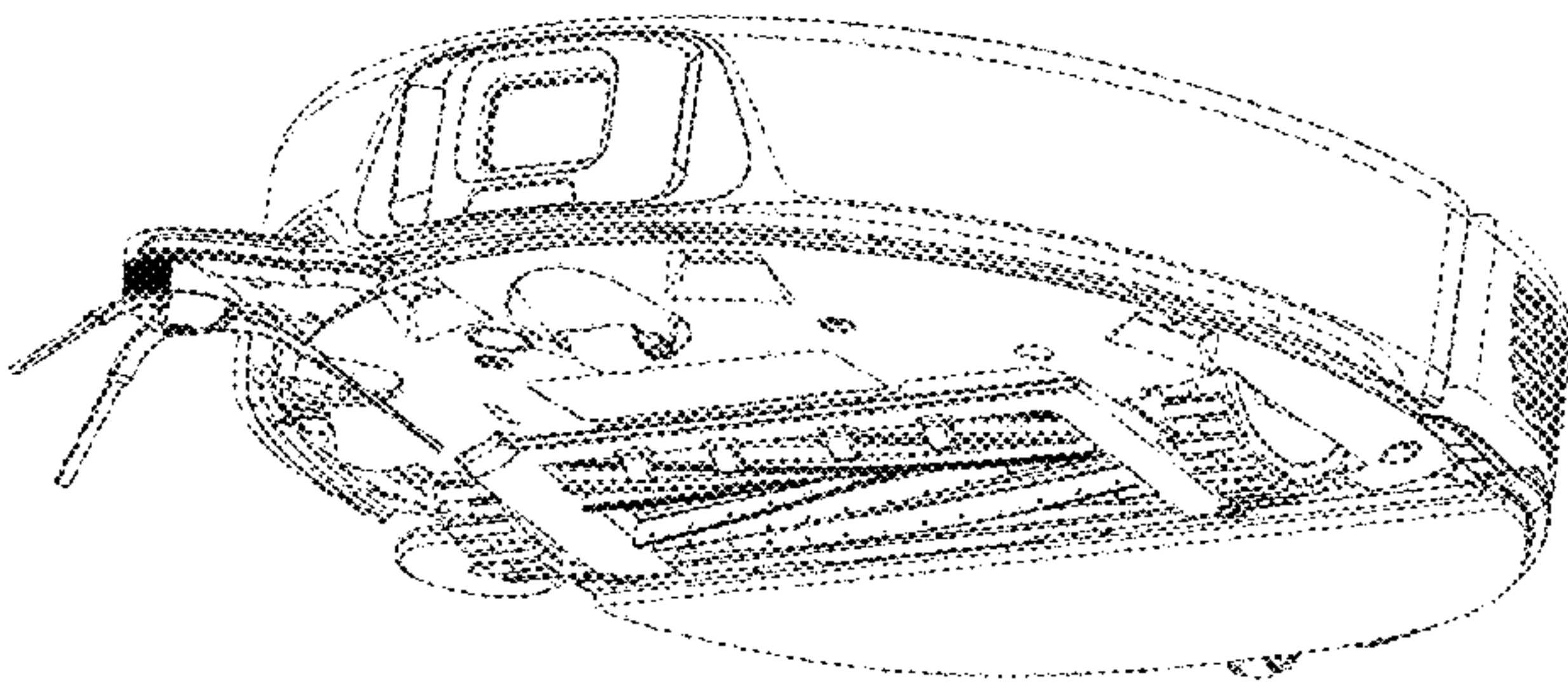
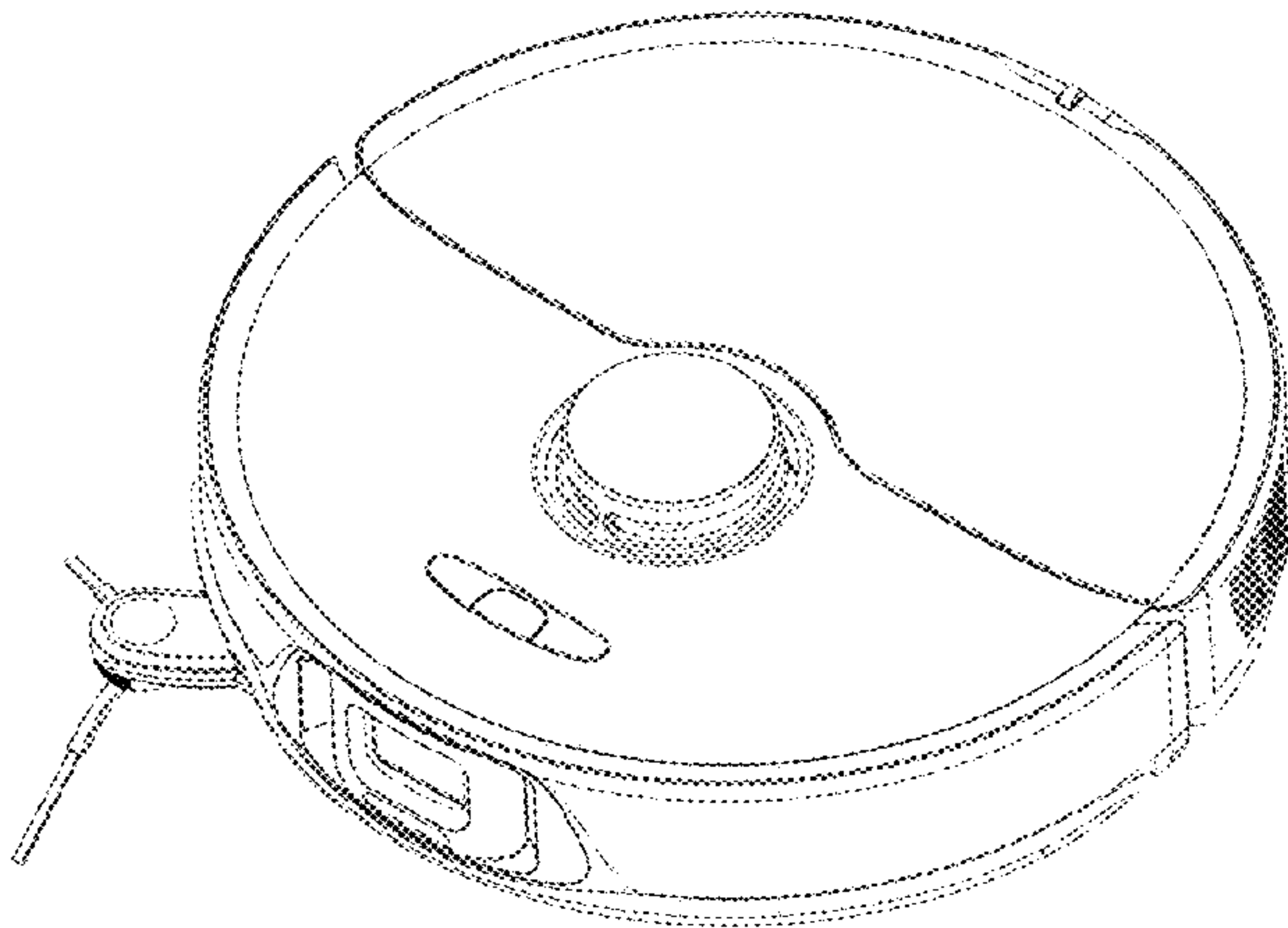
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(57) CLAIM

The ornamental design for a cleaning robot as shown and described.

DESCRIPTION

Cleaning robot
1.1 is a front view of a first embodiment of a cleaning robot;
1.2 is a back view thereof;
1.3 is a left view thereof;
1.4 is a right view thereof;
1.5 is a top view thereof;
1.6 is a bottom view thereof;
1.7 is a front perspective view thereof;
1.8 is a back perspective view thereof;
2.1 is a front view of a second embodiment of a cleaning robot;
2.2 is a back view thereof;
2.3 is a left view thereof;
2.4 is a right view thereof;
2.5 is a top view thereof;
2.6 is a bottom view thereof;
2.7 is a front perspective view thereof;
2.8 is a back perspective view thereof;
3.1 is a front view of a third embodiment of a cleaning robot;
(Continued)



3.2 is a back view thereof;
3.3 is a left view thereof;
3.4 is a right view thereof;
3.5 is a top view thereof;
3.6 is a bottom view thereof;
3.7 is a front perspective view thereof;
3.8 is a back perspective view thereof;
4.1 is a front view of a fourth embodiment of a cleaning robot;
4.2 is a back view thereof;
4.3 is a left view thereof;
4.4 is a right view thereof;
4.5 is a top view thereof;
4.6 is a bottom view thereof;
4.7 is a front perspective view thereof;
4.8 is a back perspective view thereof;
5.1 is a front view of a fifth embodiment of a cleaning robot with a side brush in a retractive position;
5.2 is a back view thereof;
5.3 is a left view thereof;
5.4 is a right view thereof;
5.5 is a top view thereof;
5.6 is a bottom view thereof;
5.7 is a front perspective view thereof;
5.8 is a back perspective view thereof;
5.9 is a front view of the fifth embodiment showing the cleaning robot in a variation state that the side brush is shifted to a protruding position;
5.10 is a back view thereof;
5.11 is a left view thereof;
5.12 is a right view thereof;
5.13 is a top view thereof;
5.14 is a bottom view thereof;
5.15 is a front perspective view thereof;
5.16 is a back perspective view thereof;
6.1 is a front view of a sixth embodiment of a cleaning robot with a side brush in a retractive position;
6.2 is a back view thereof;
6.3 is a left view thereof;
6.4 is a right view thereof;
6.5 is a top view thereof;
6.6 is a bottom view thereof;
6.7 is a front perspective view thereof;
6.8 is a back perspective view thereof;
6.9 is a front view of the sixth embodiment showing the cleaning robot in a variation state that the side brush is shifted to a protruding position;
6.10 is a back view thereof;
6.11 is a left view thereof;
6.12 is a right view thereof;
6.13 is a top view thereof;

6.14 is a bottom view thereof;
6.15 is a front perspective view thereof; and
6.16 is a back perspective view thereof.

1 Claim, 46 Drawing Sheets

(58) **Field of Classification Search**
CPC A47L 2201/00; A47L 2201/02; A47L 9/0466; A47L 9/0472; A47L 9/066; A47L 9/0673; A47L 11/14; A47L 13/20; A47L 13/254; A47L 13/256; A47L 13/46
See application file for complete search history.

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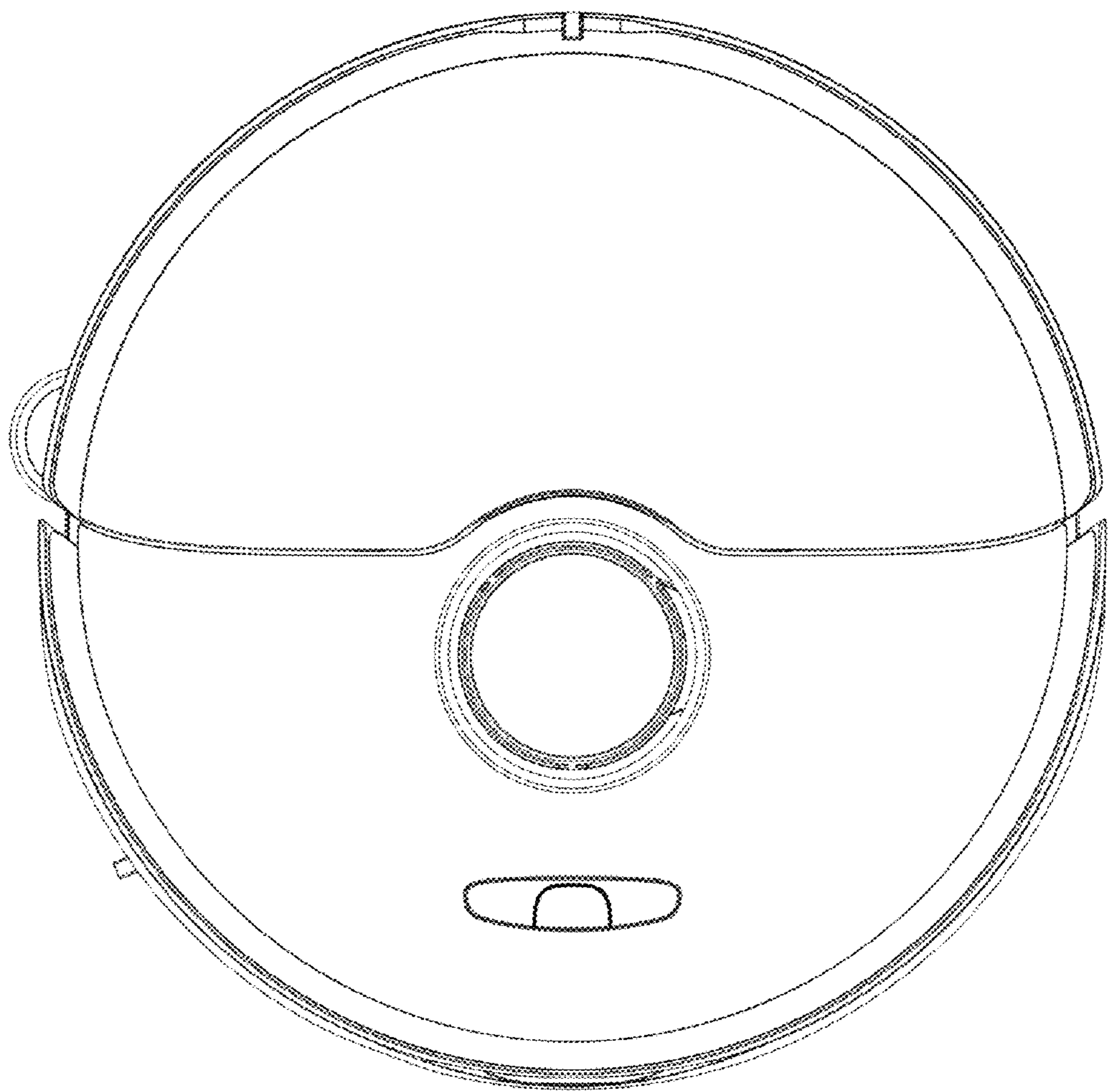
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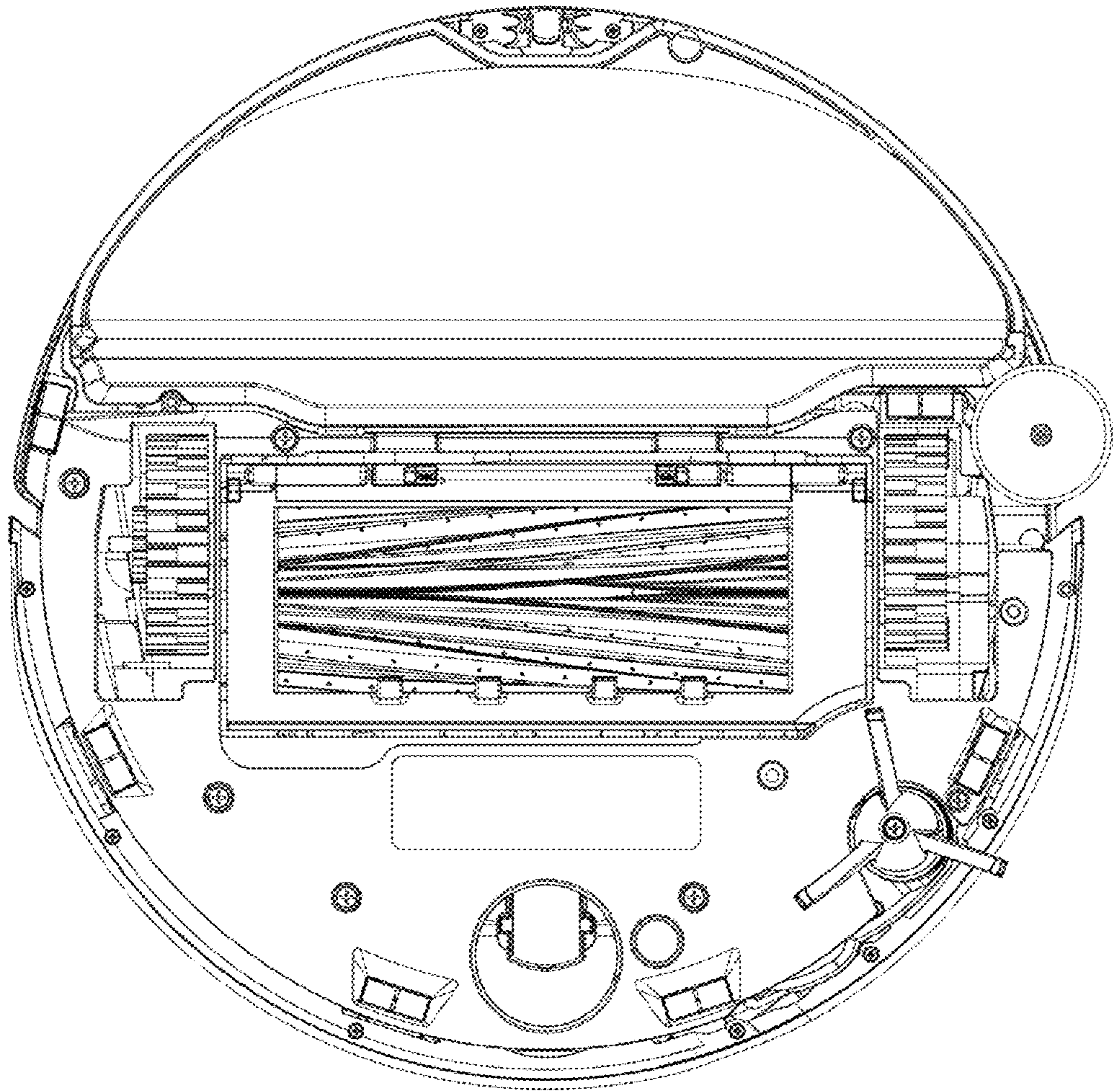
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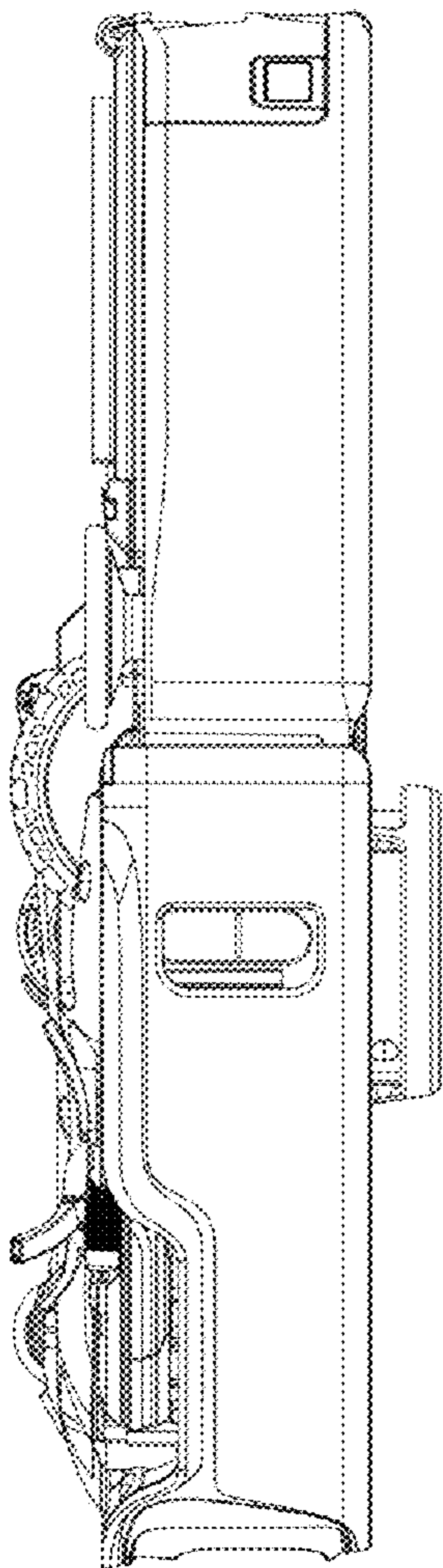
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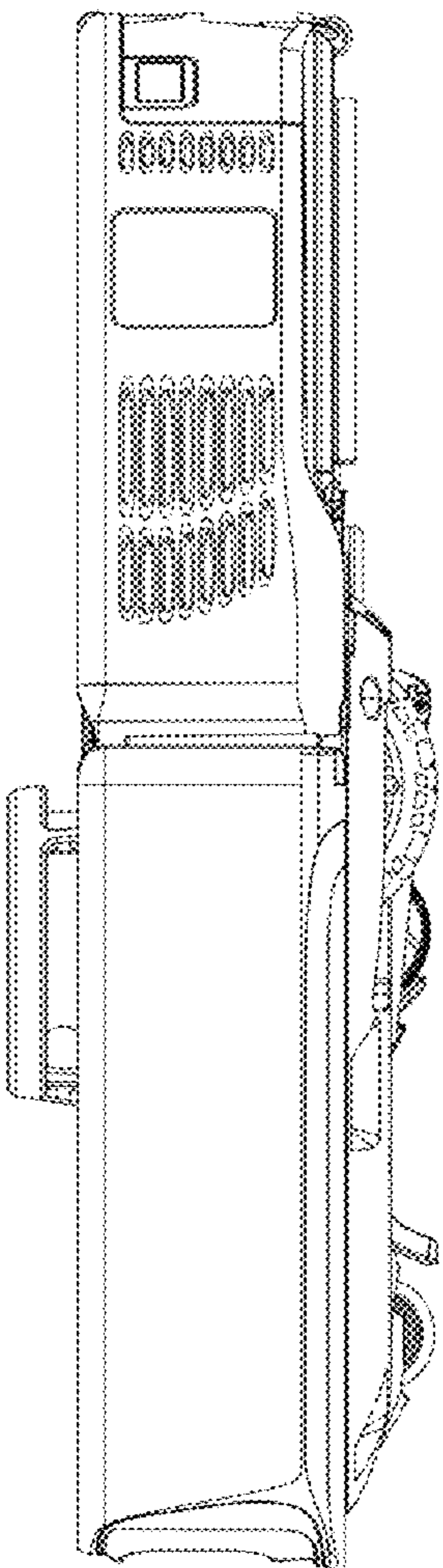
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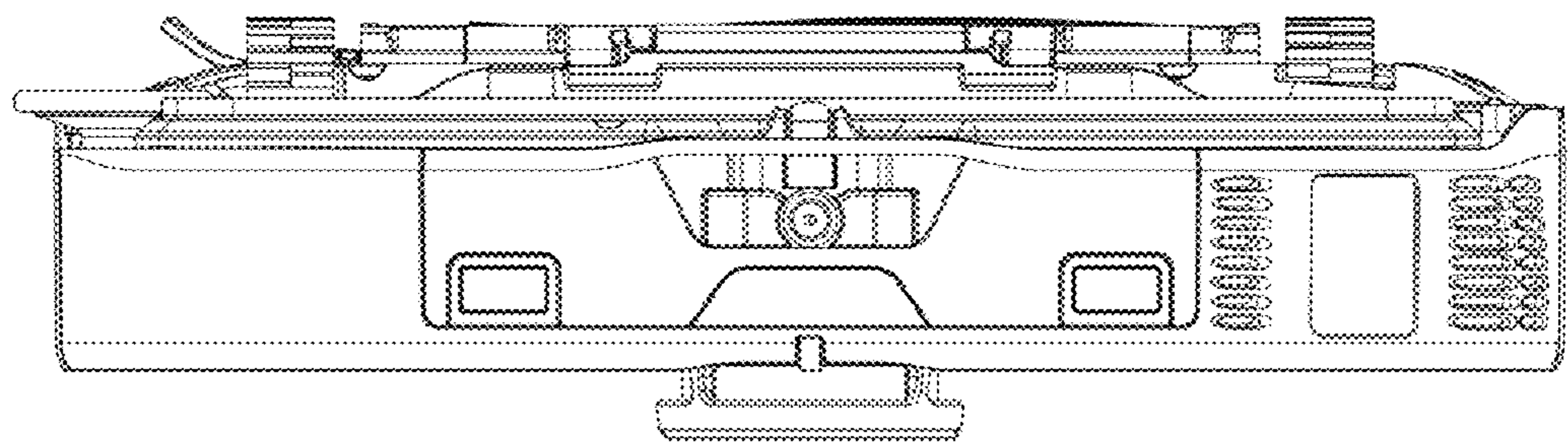




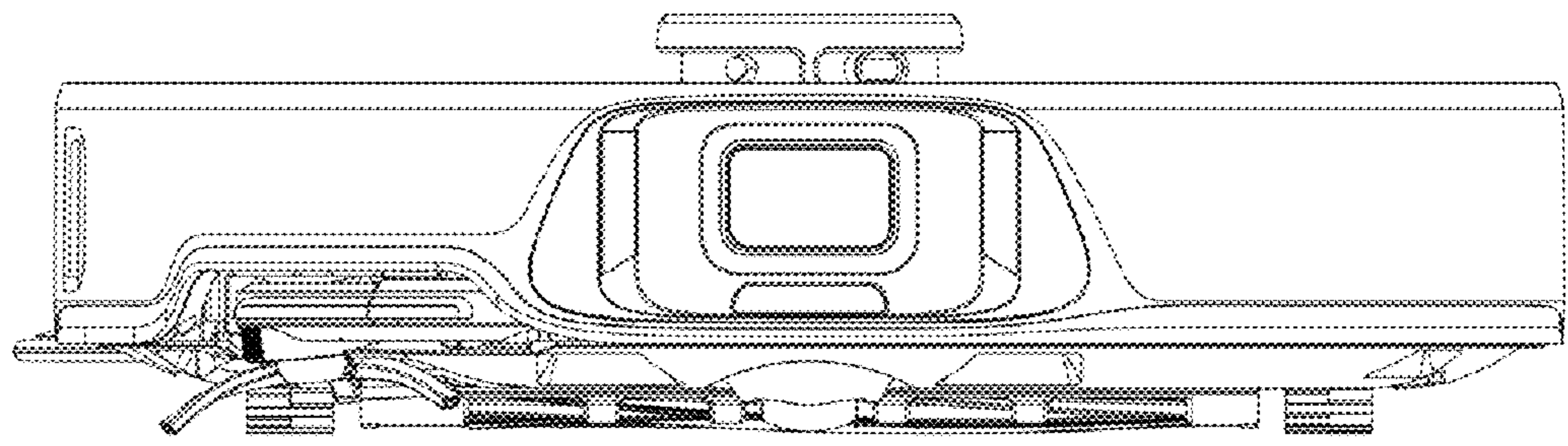
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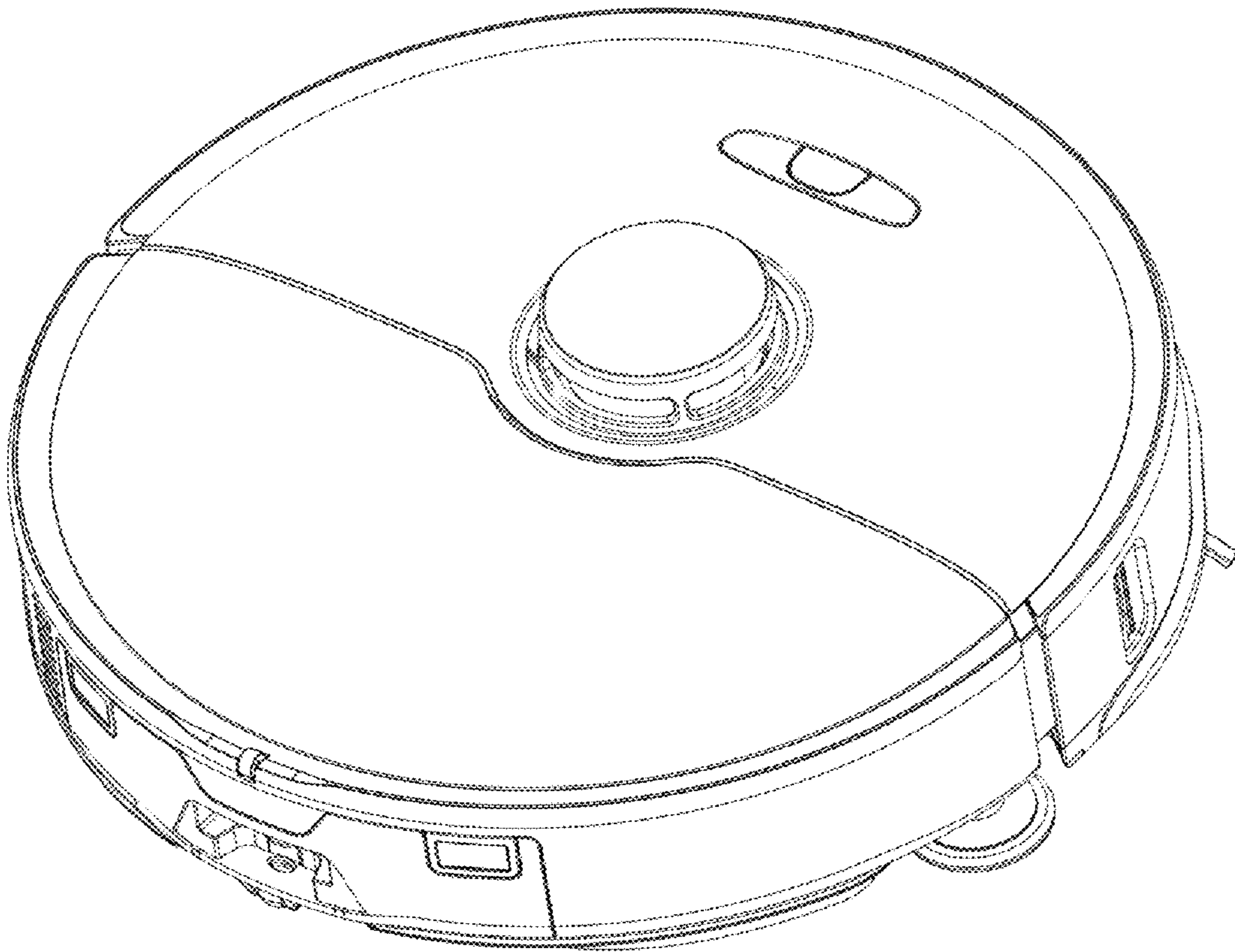
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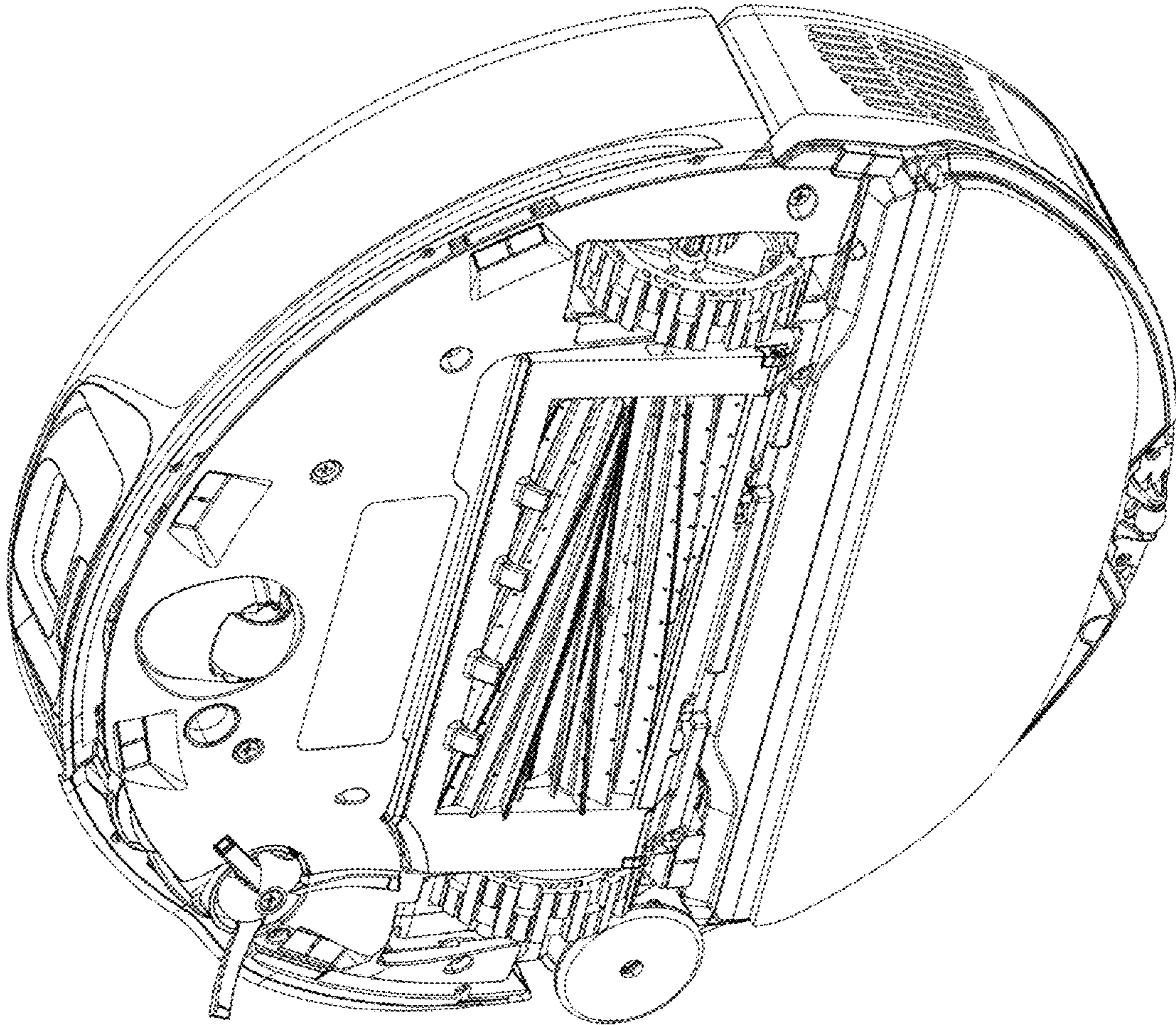
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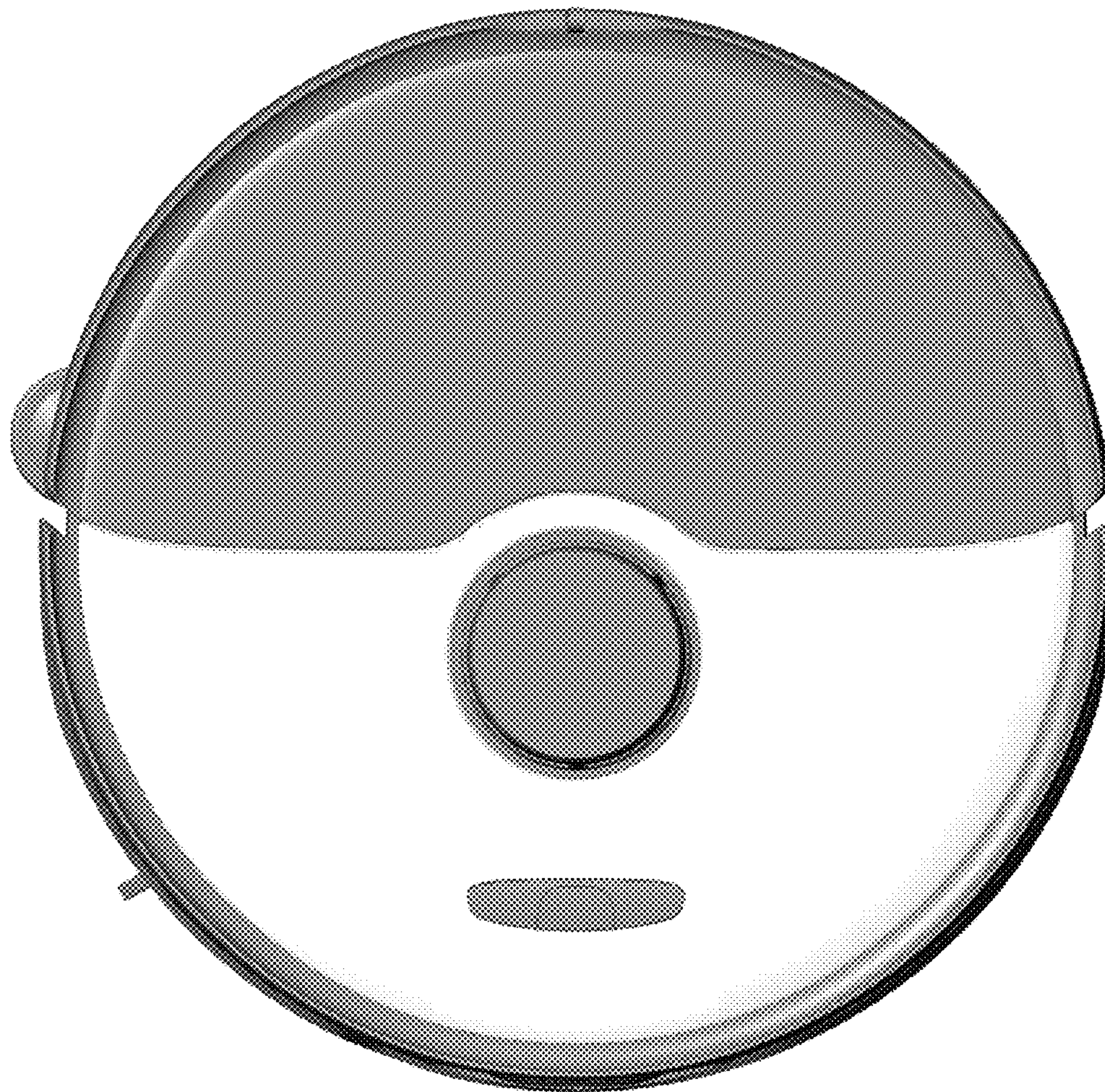
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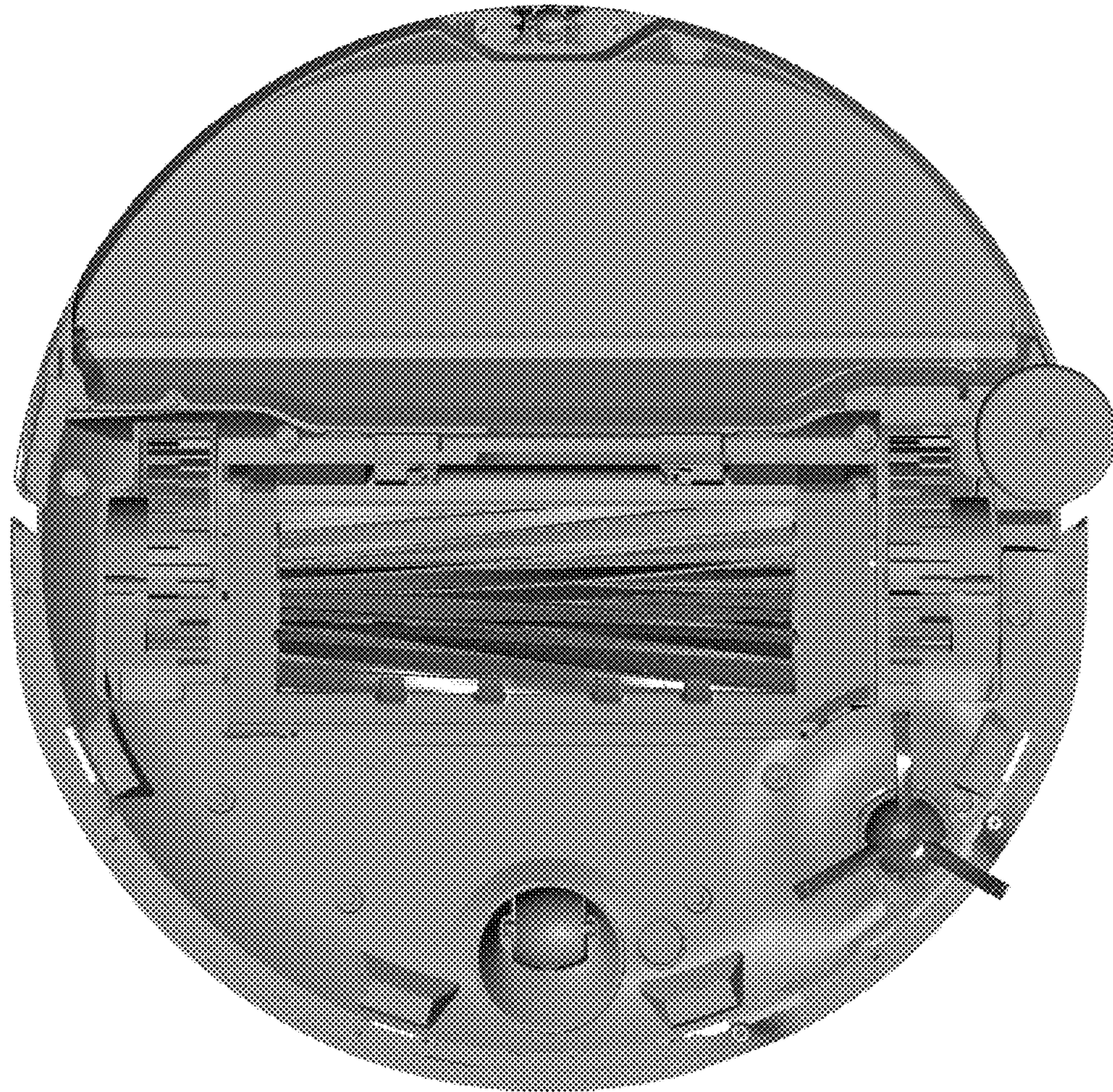
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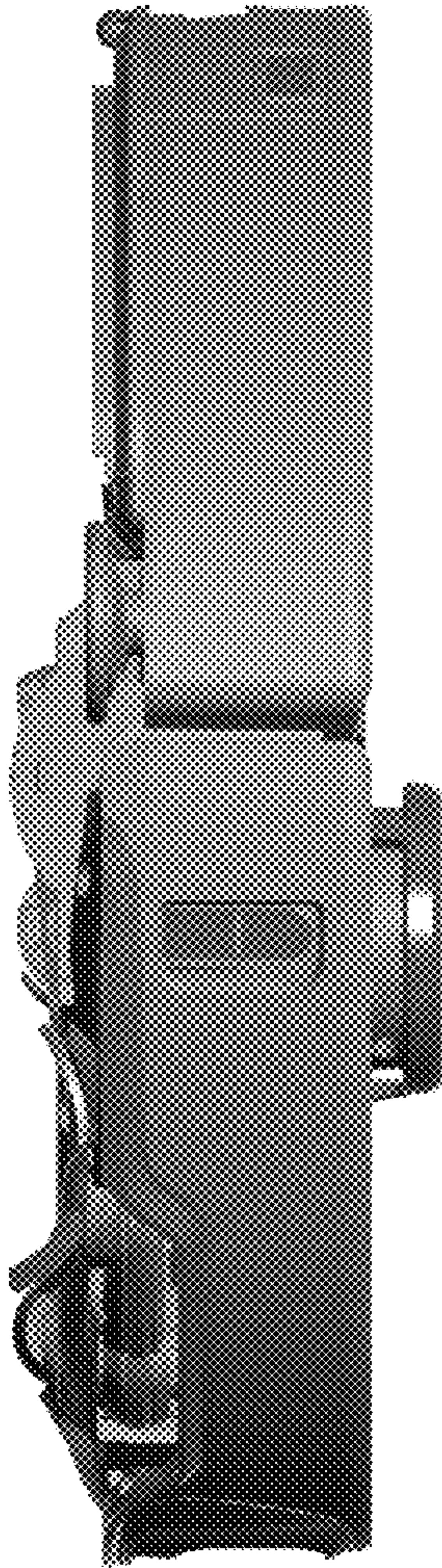


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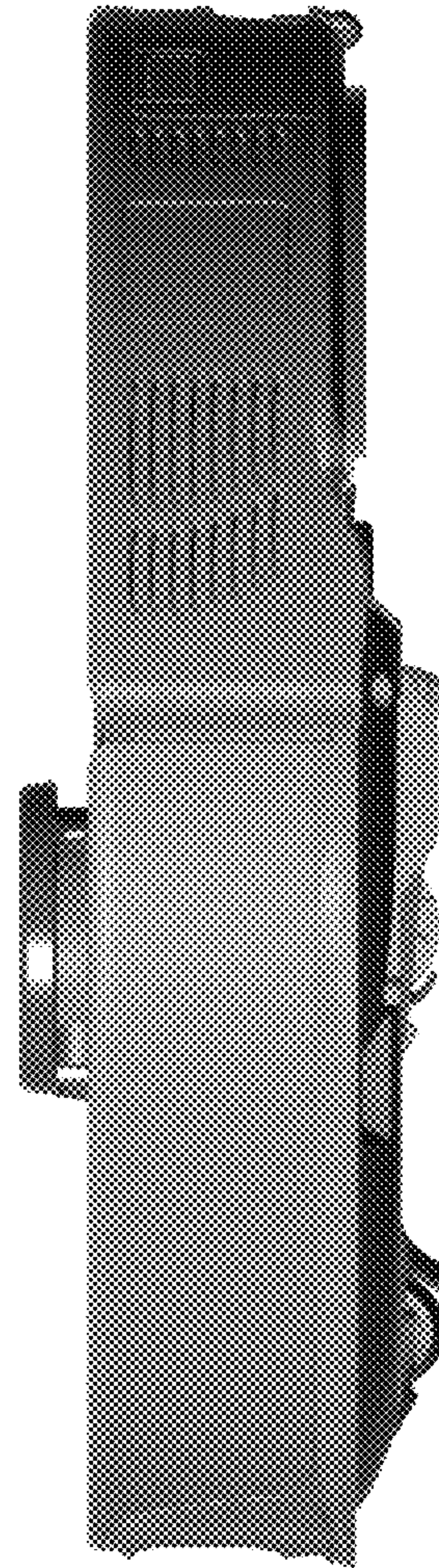


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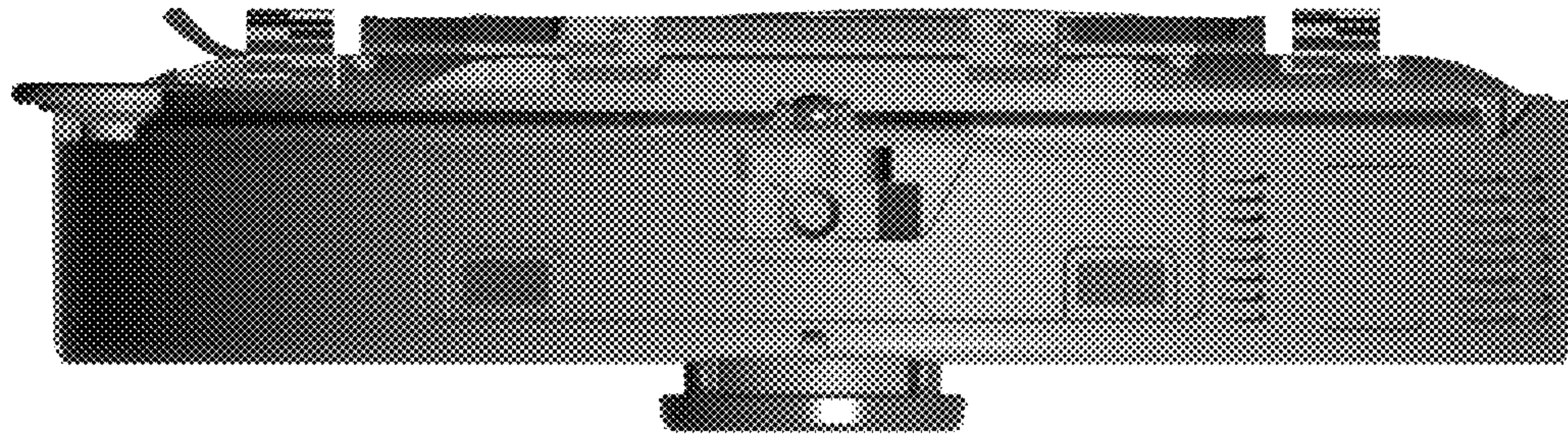




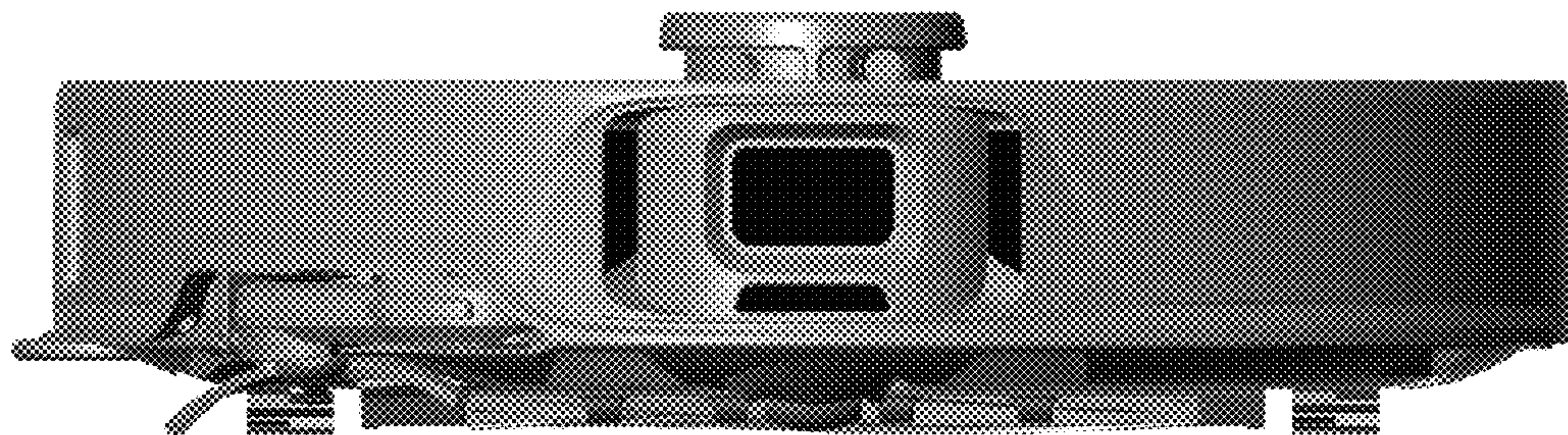
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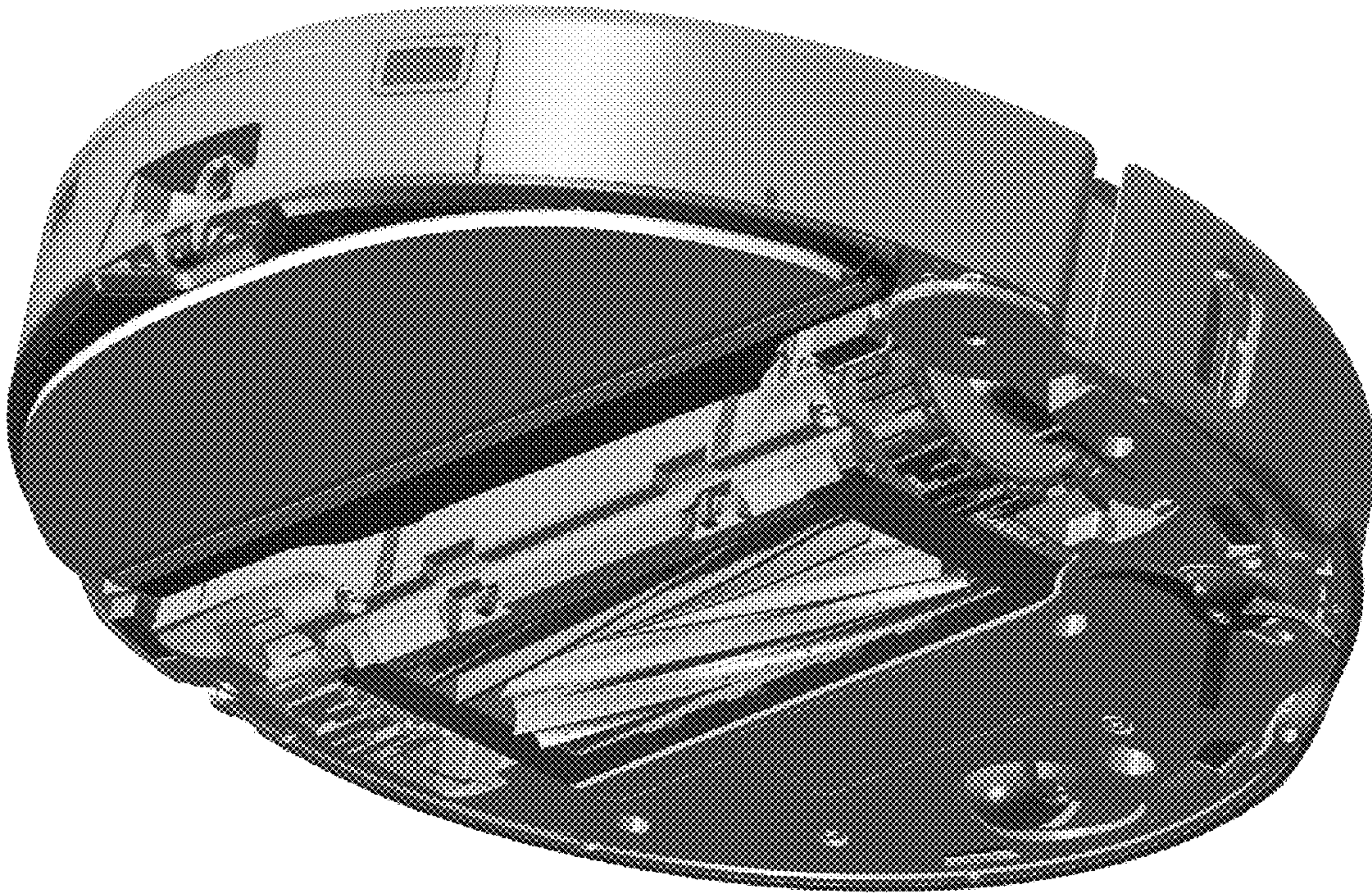


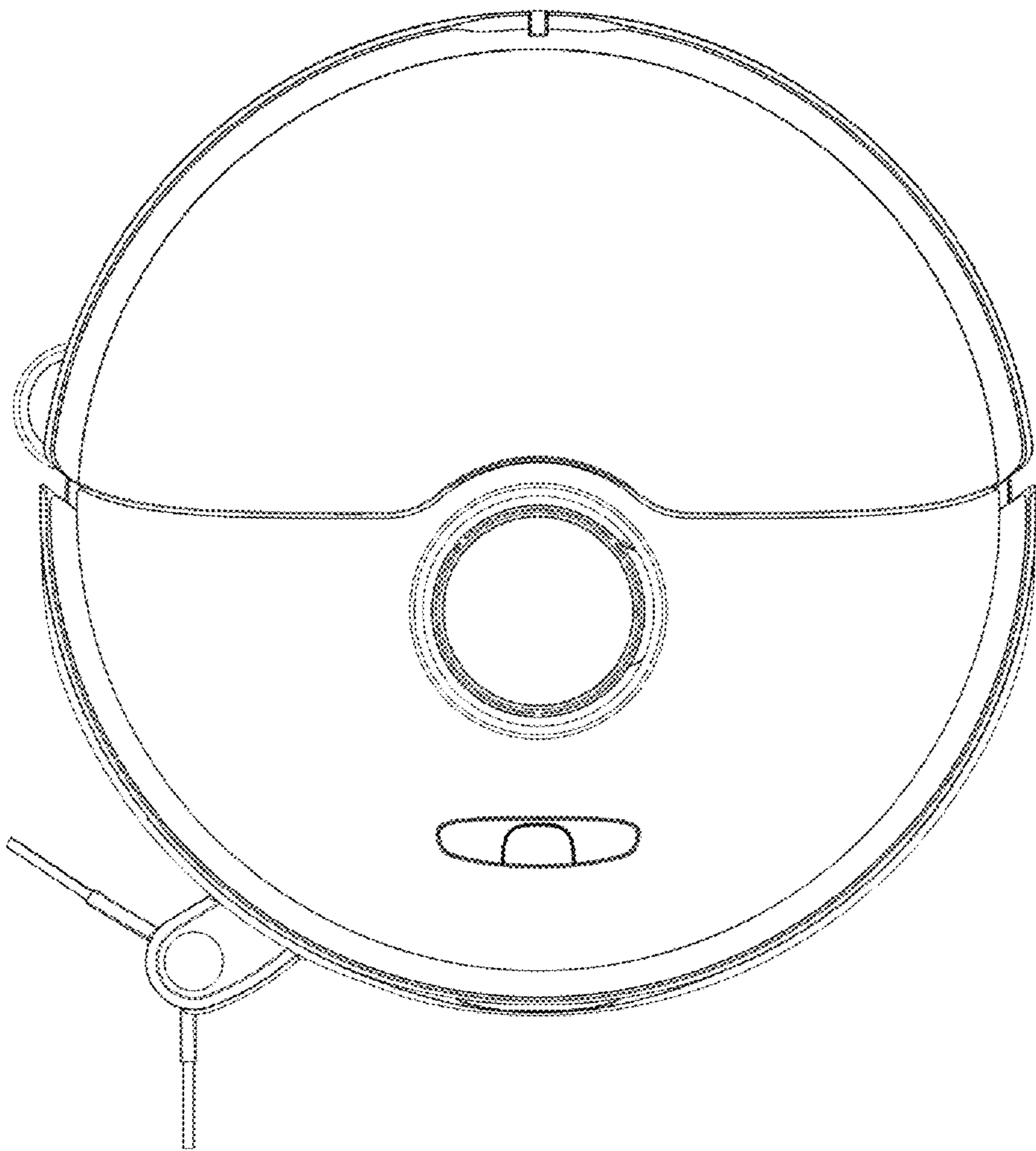
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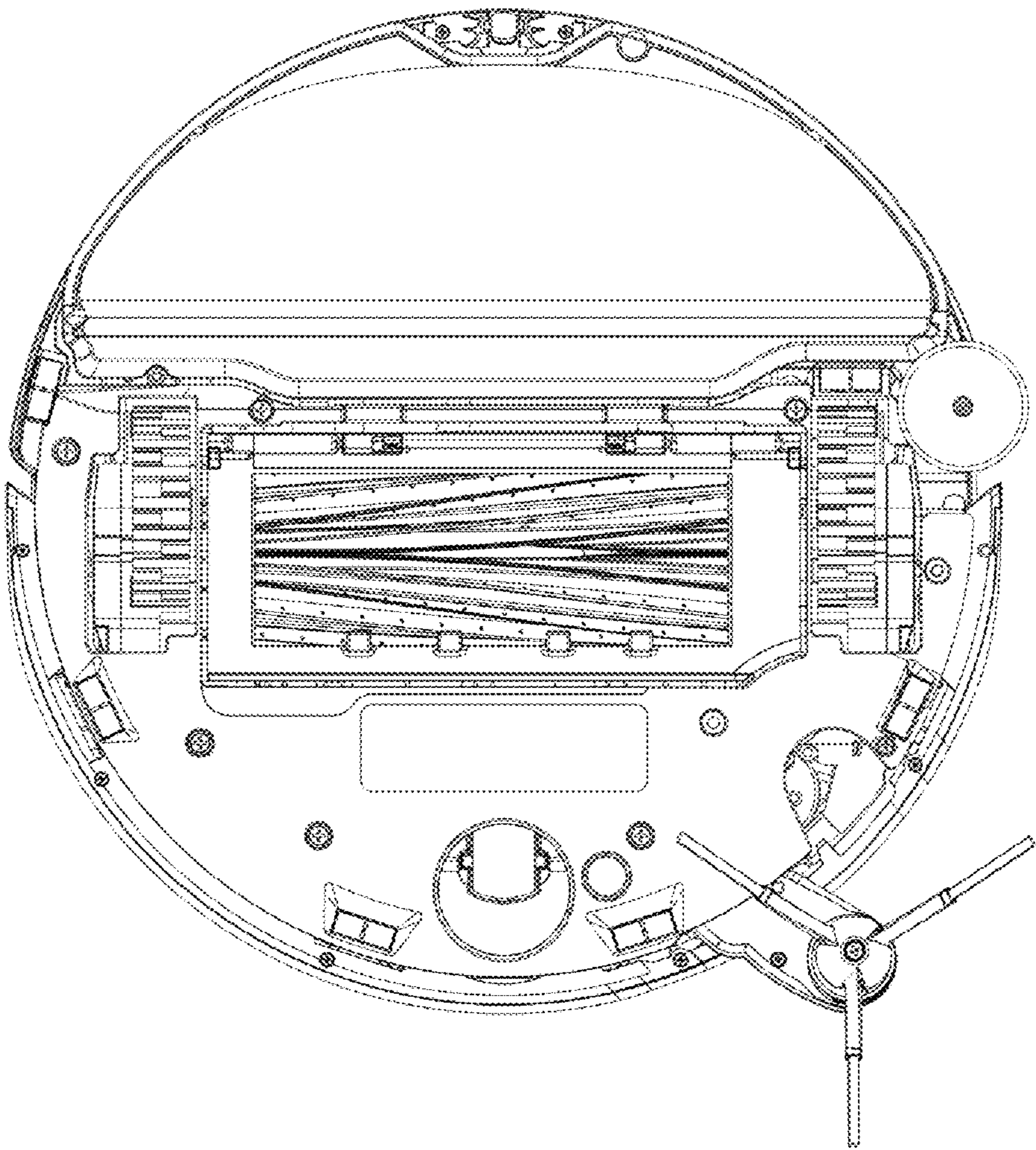
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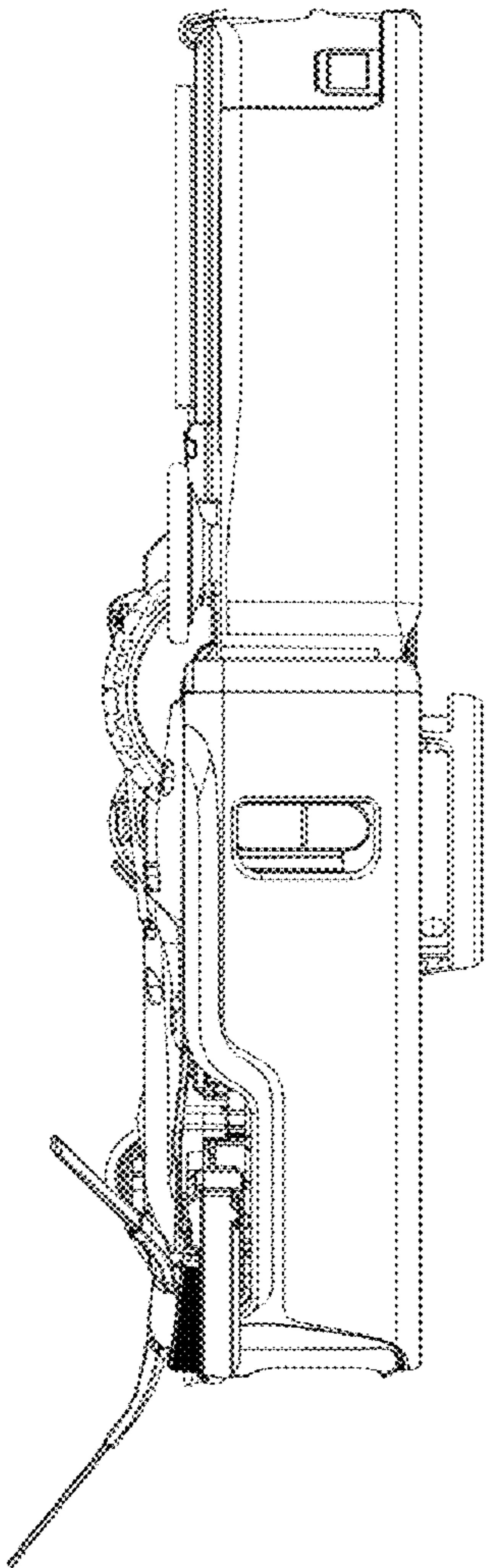




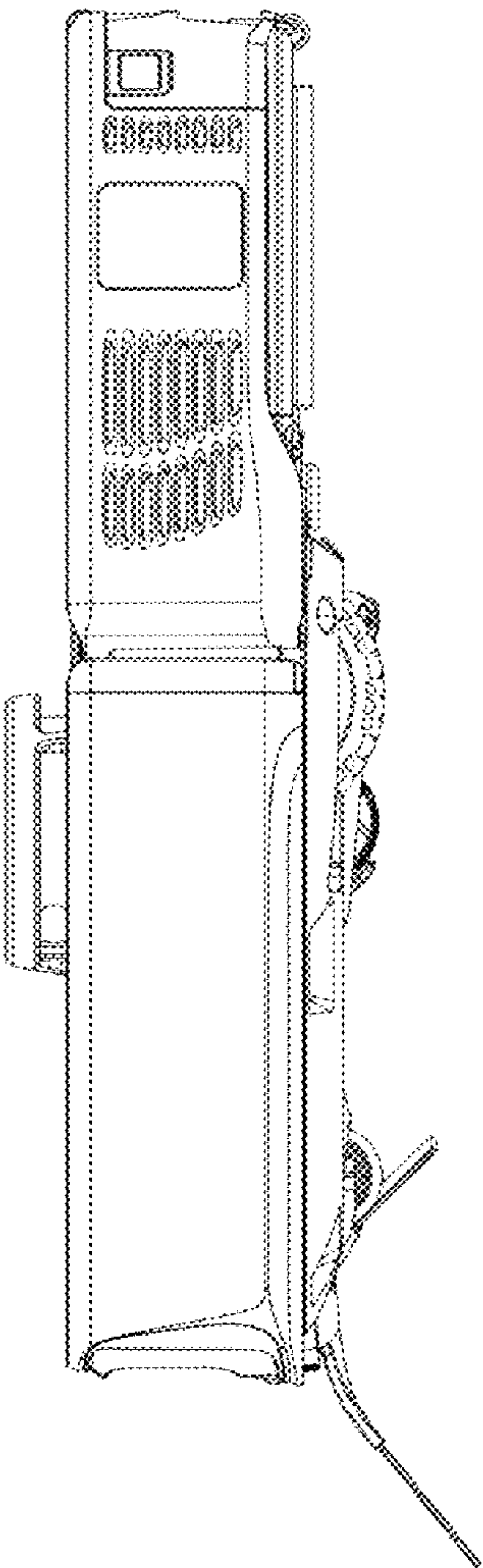


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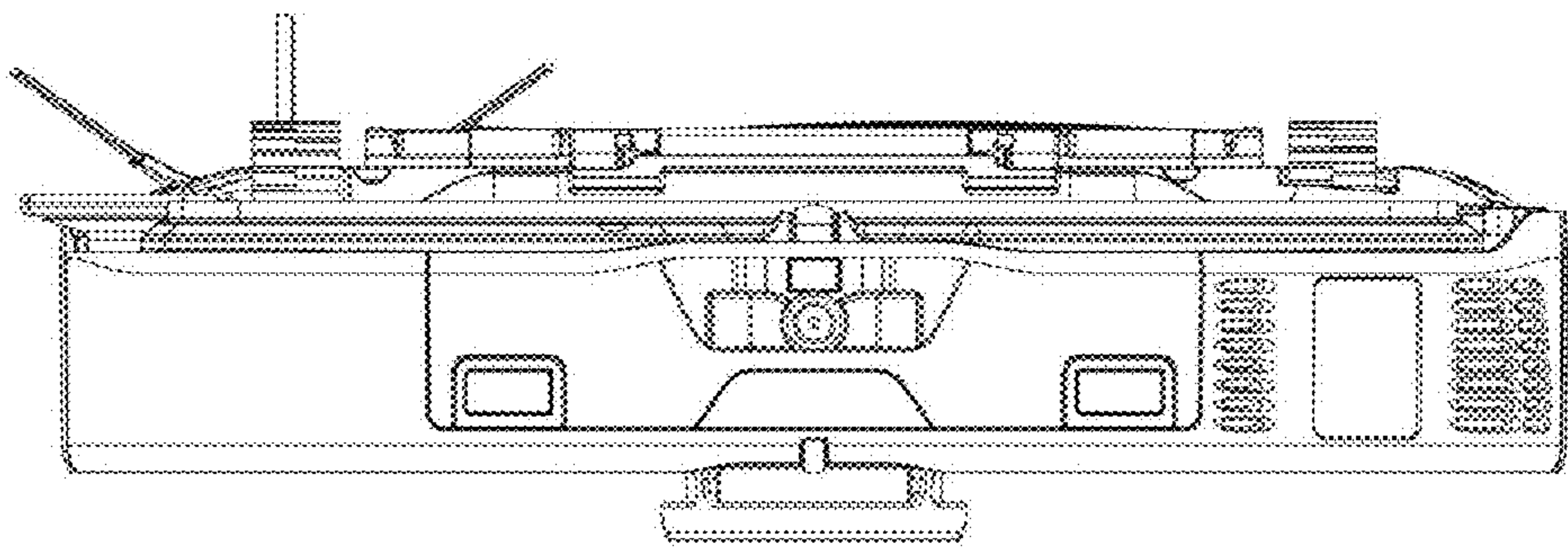




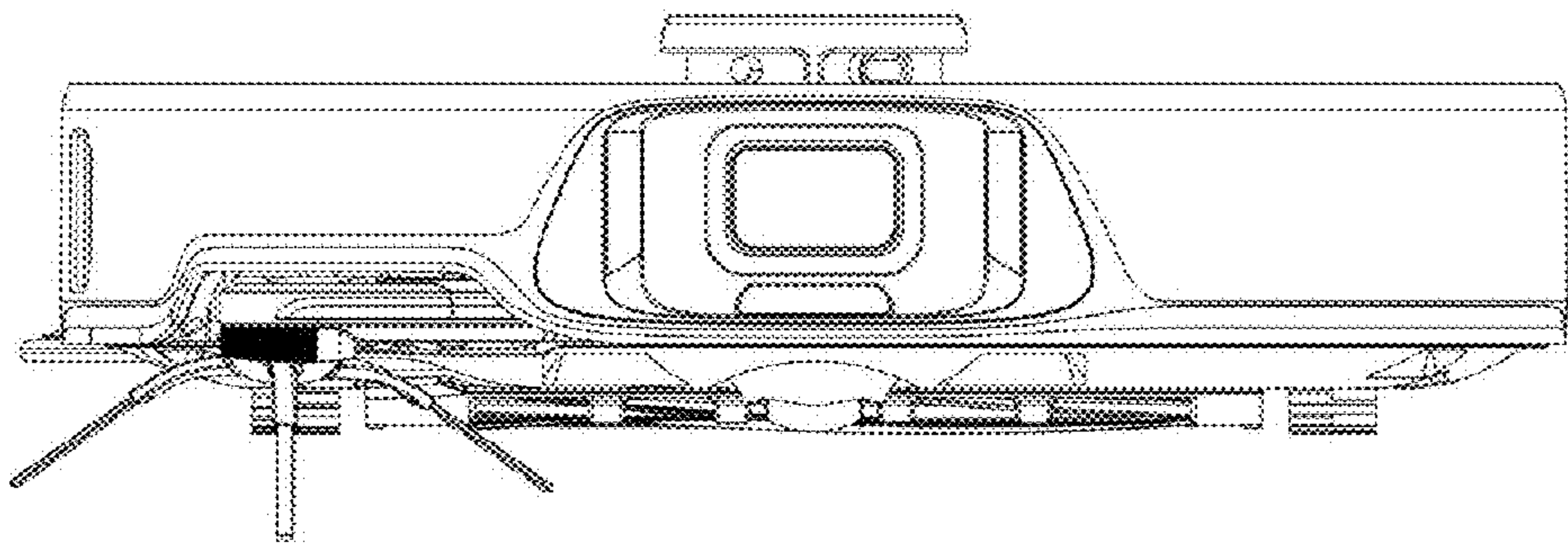
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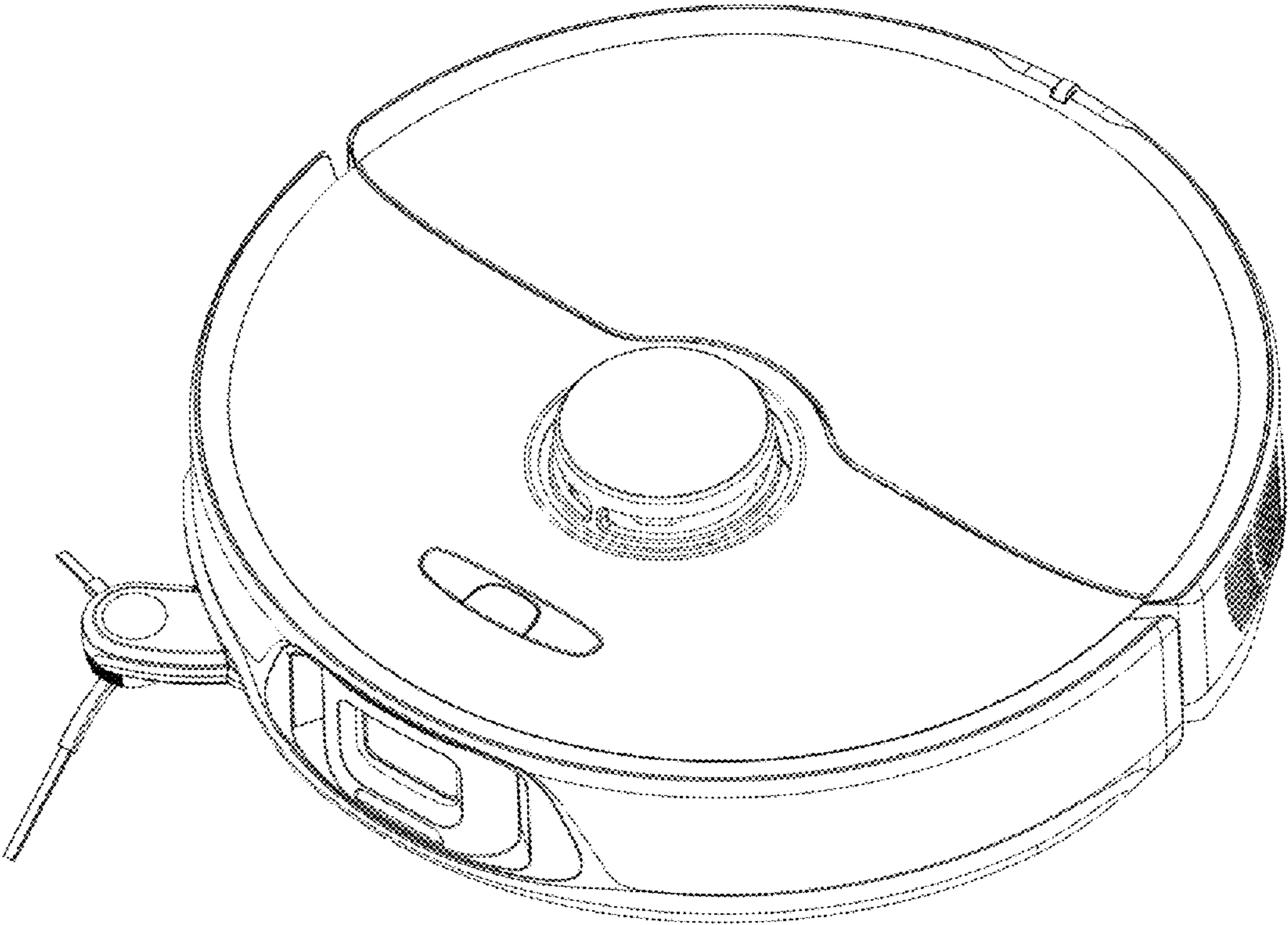
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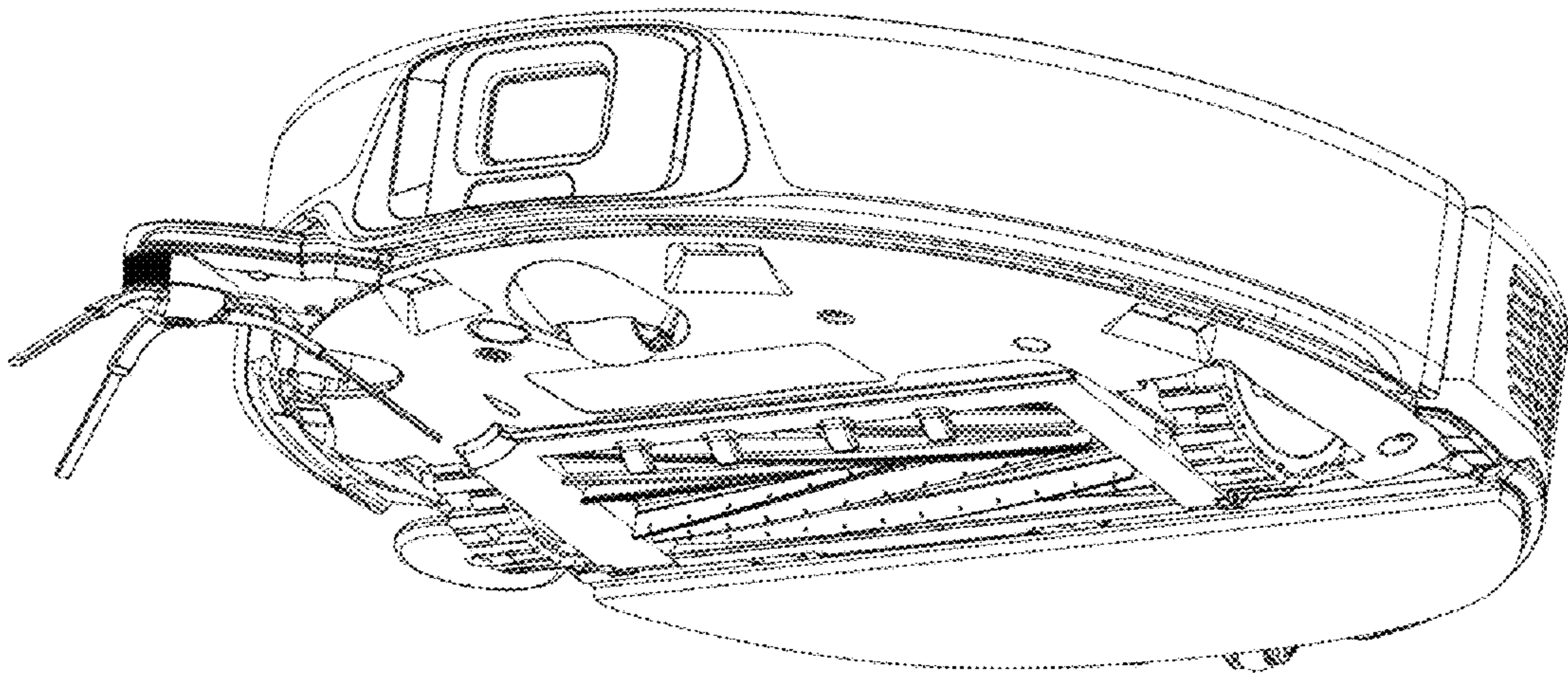
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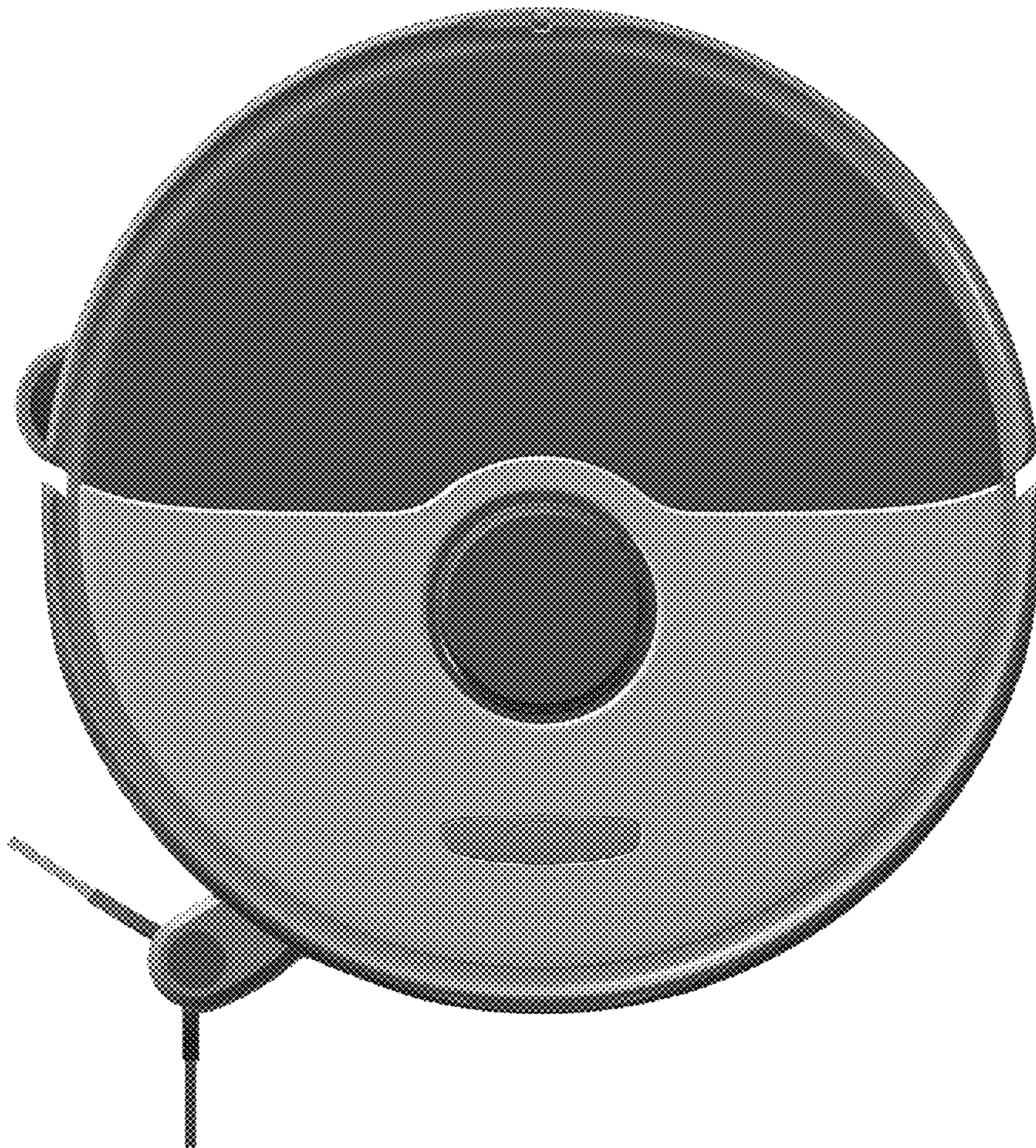
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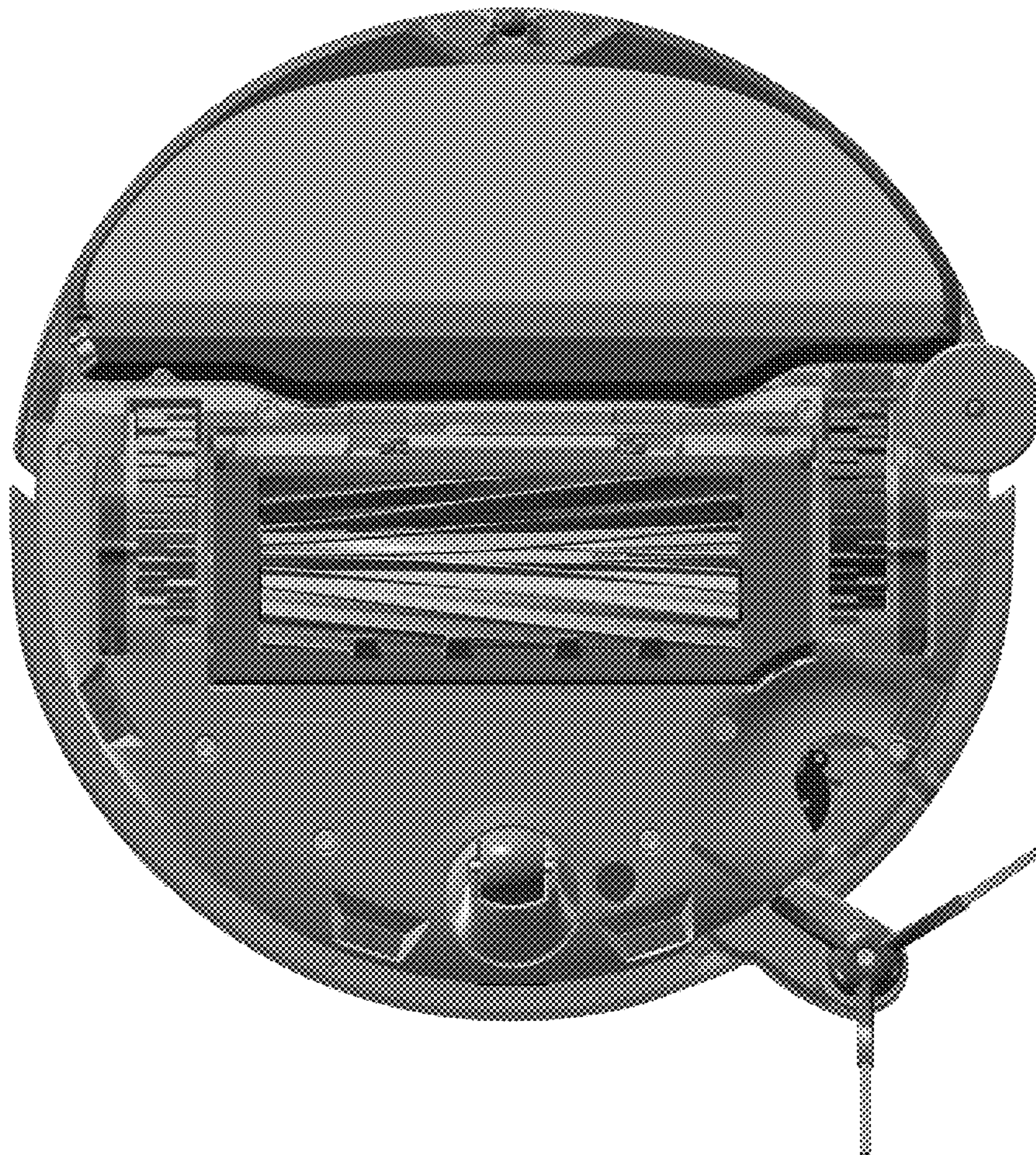
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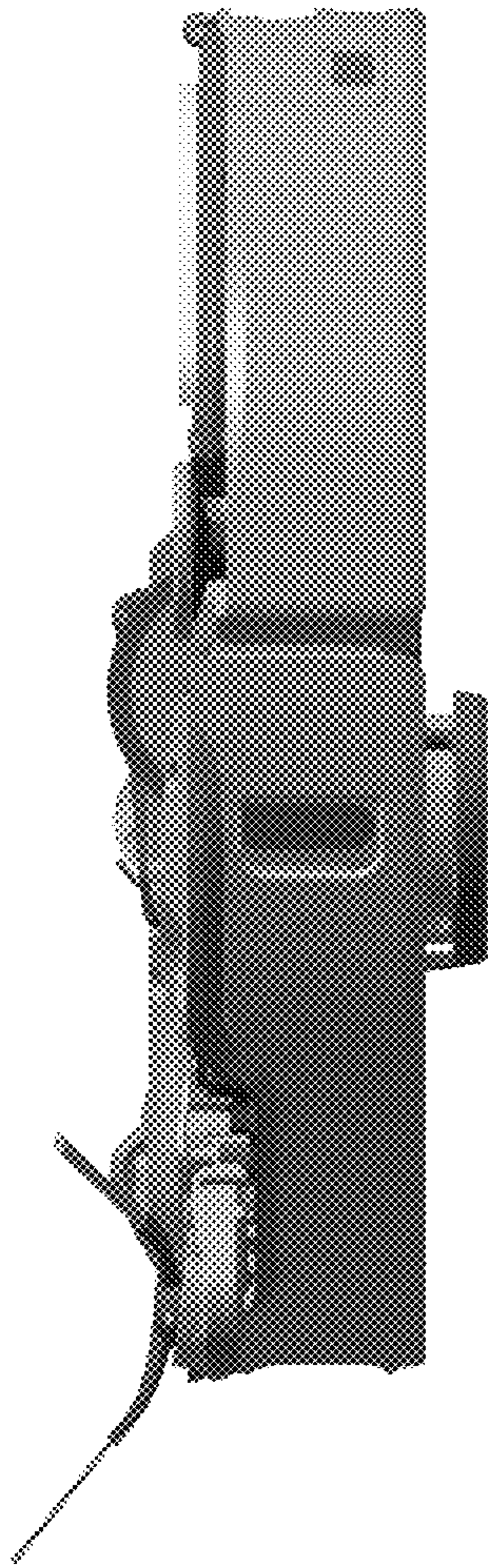


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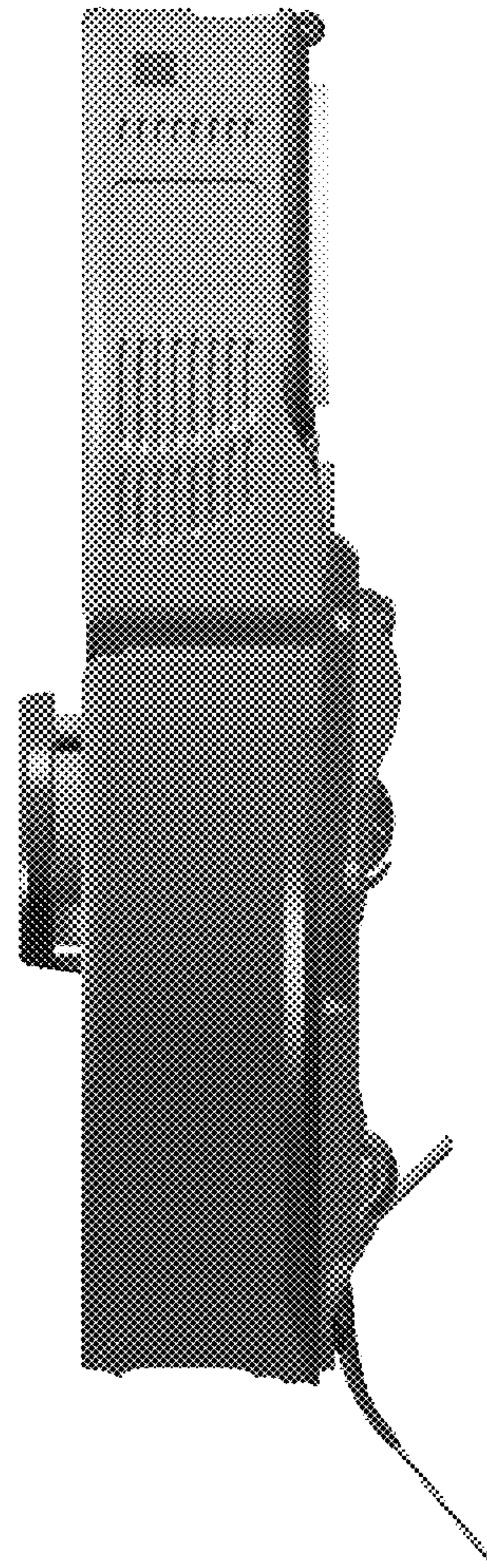


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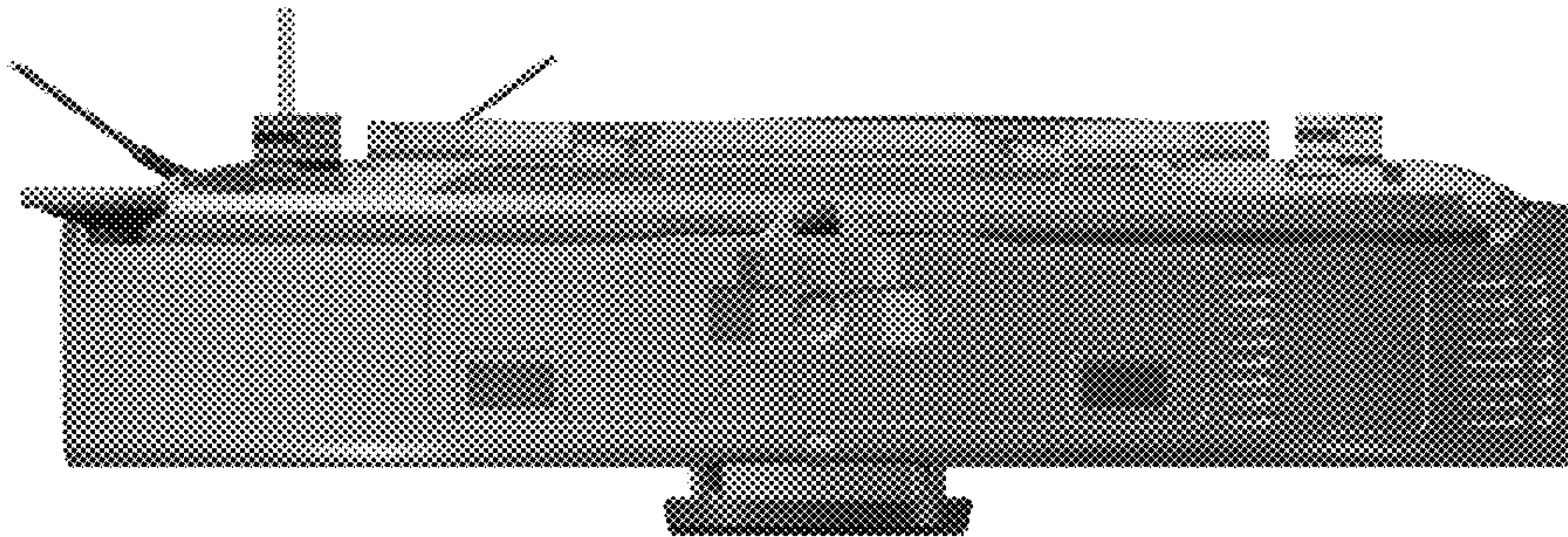




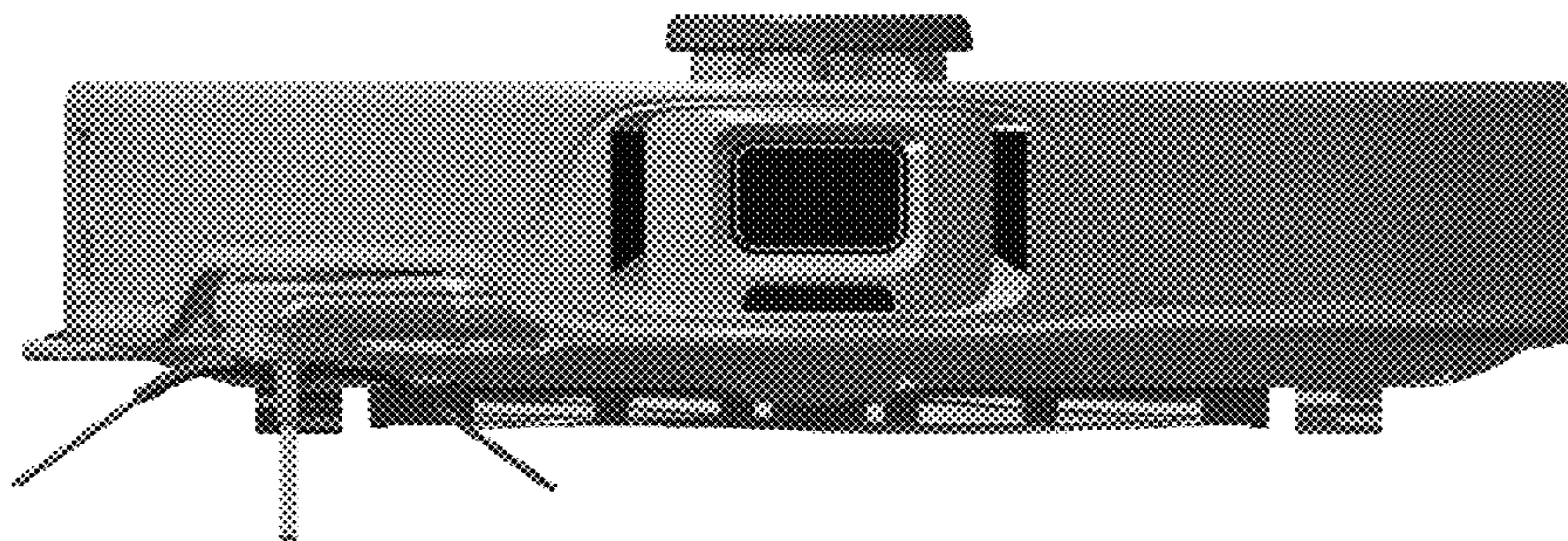
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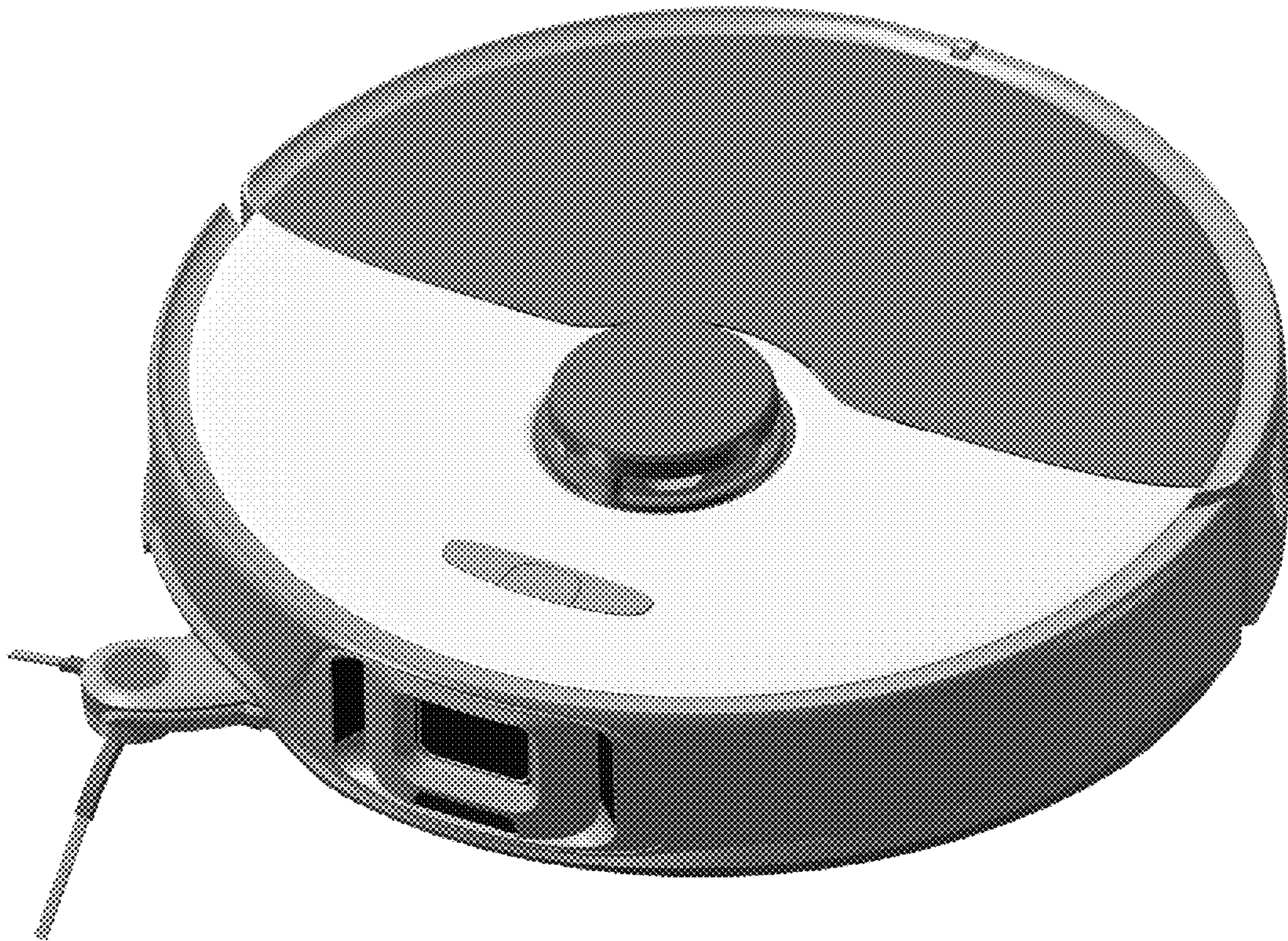
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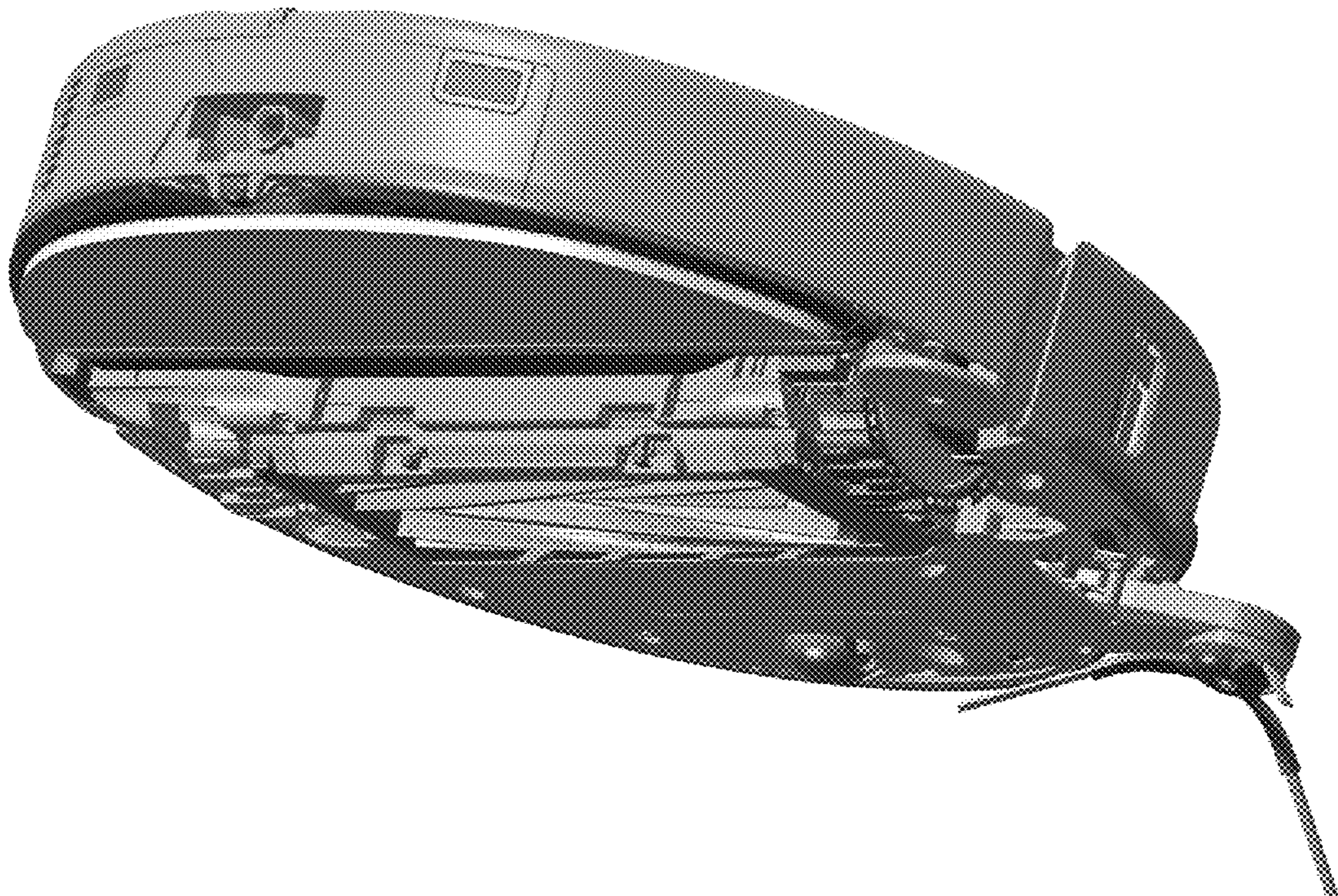


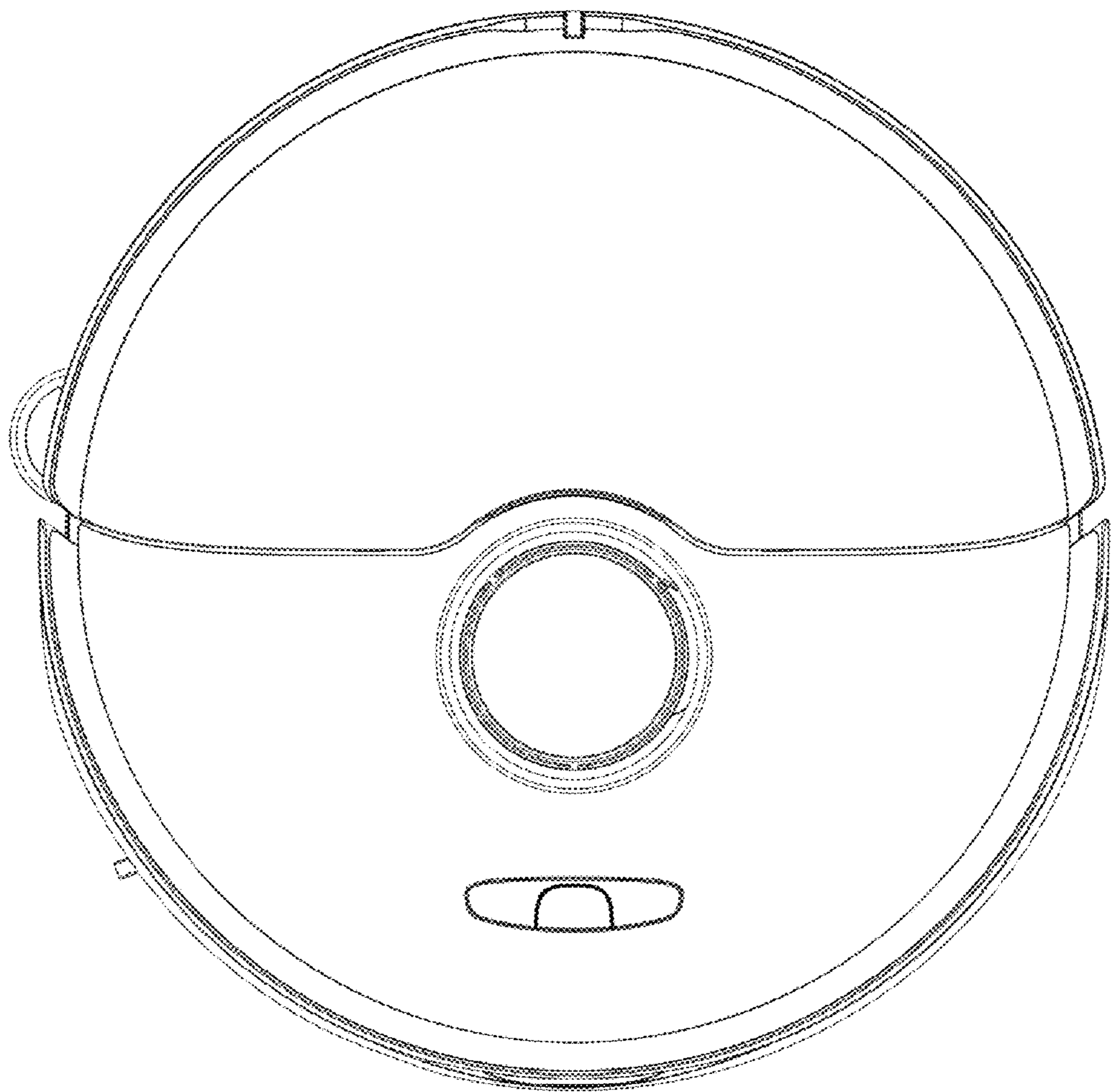
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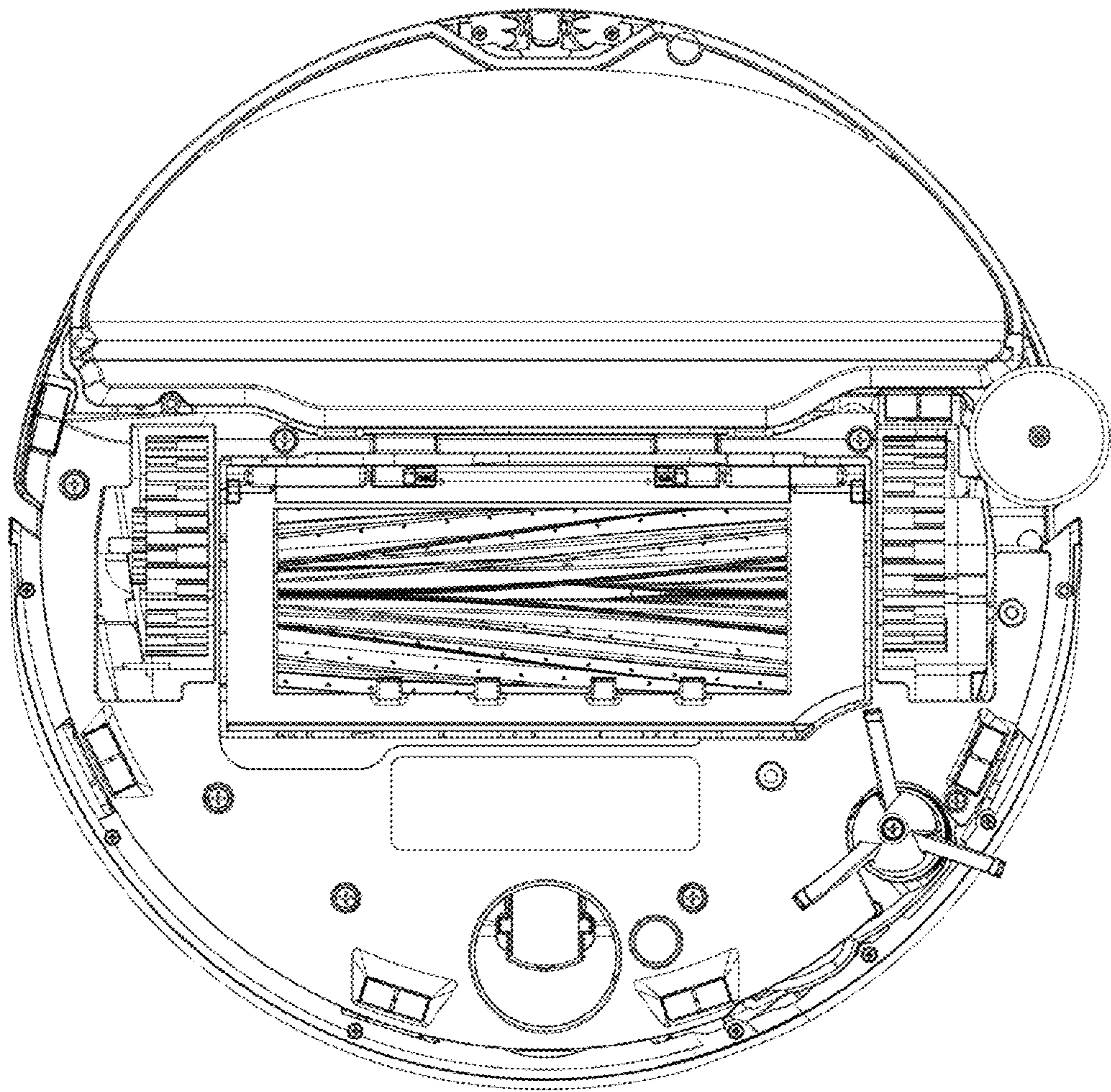
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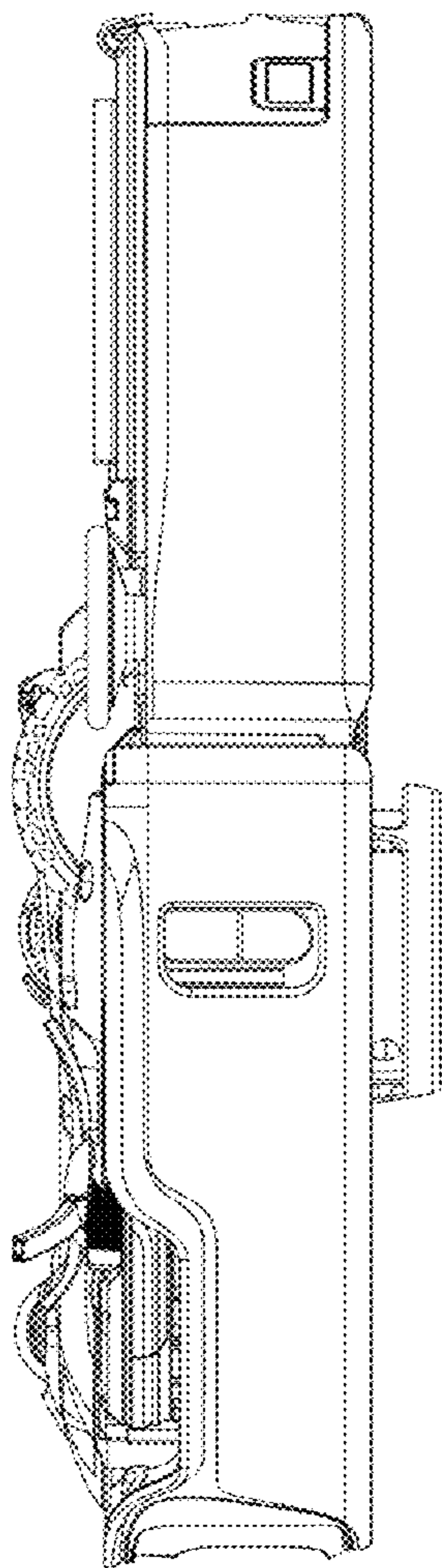




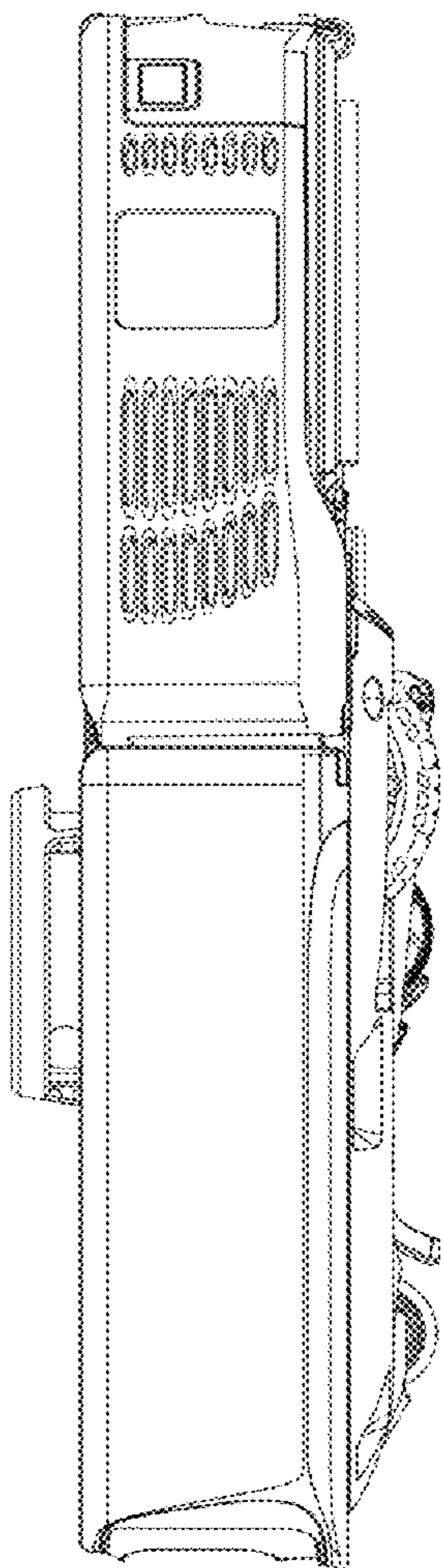


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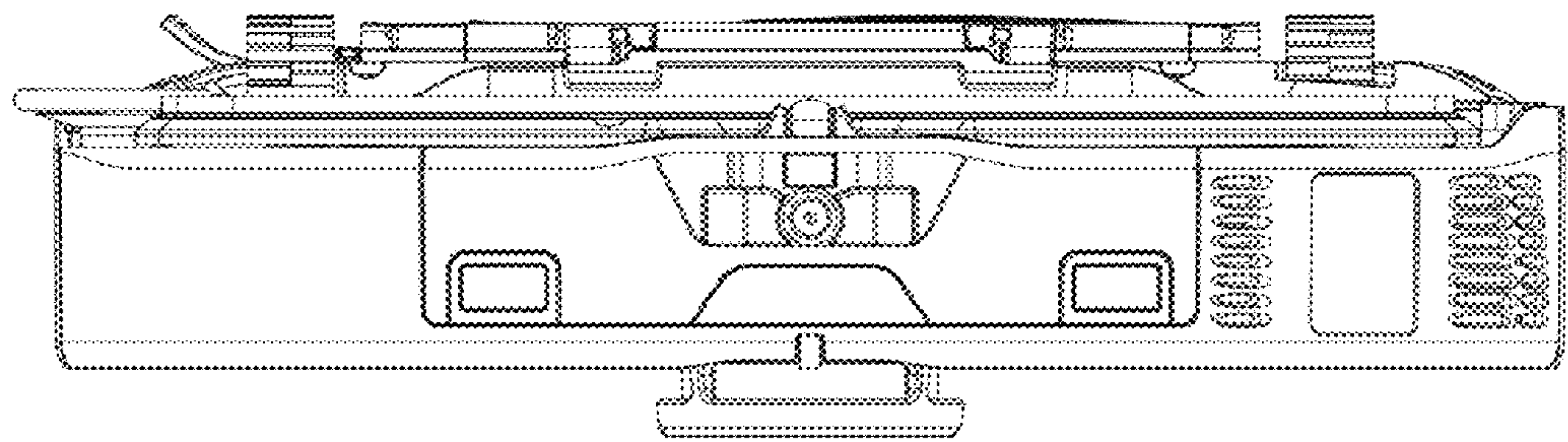




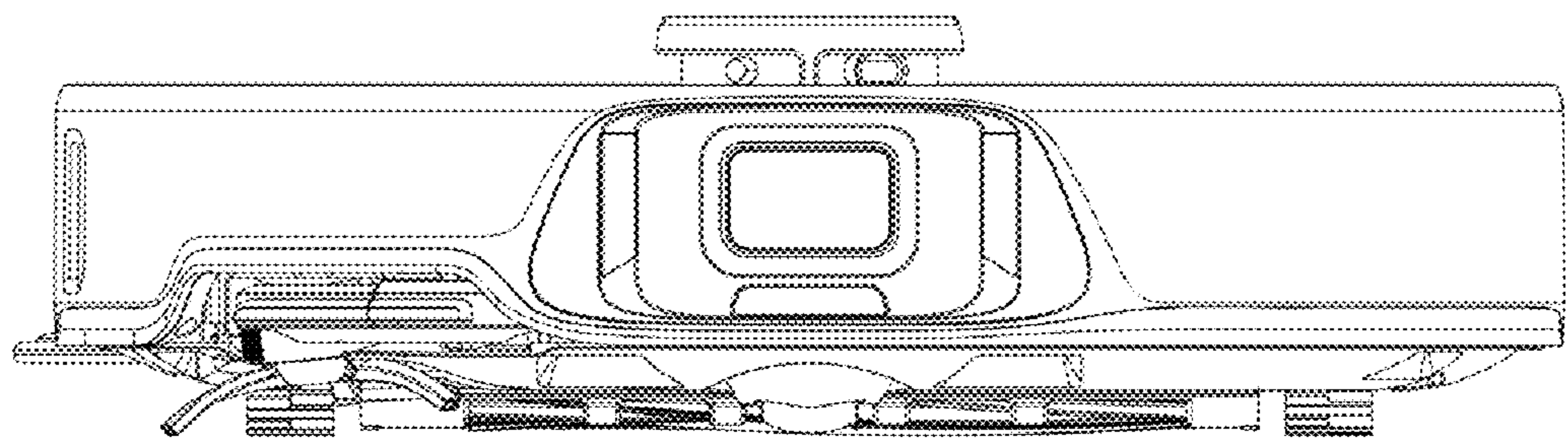
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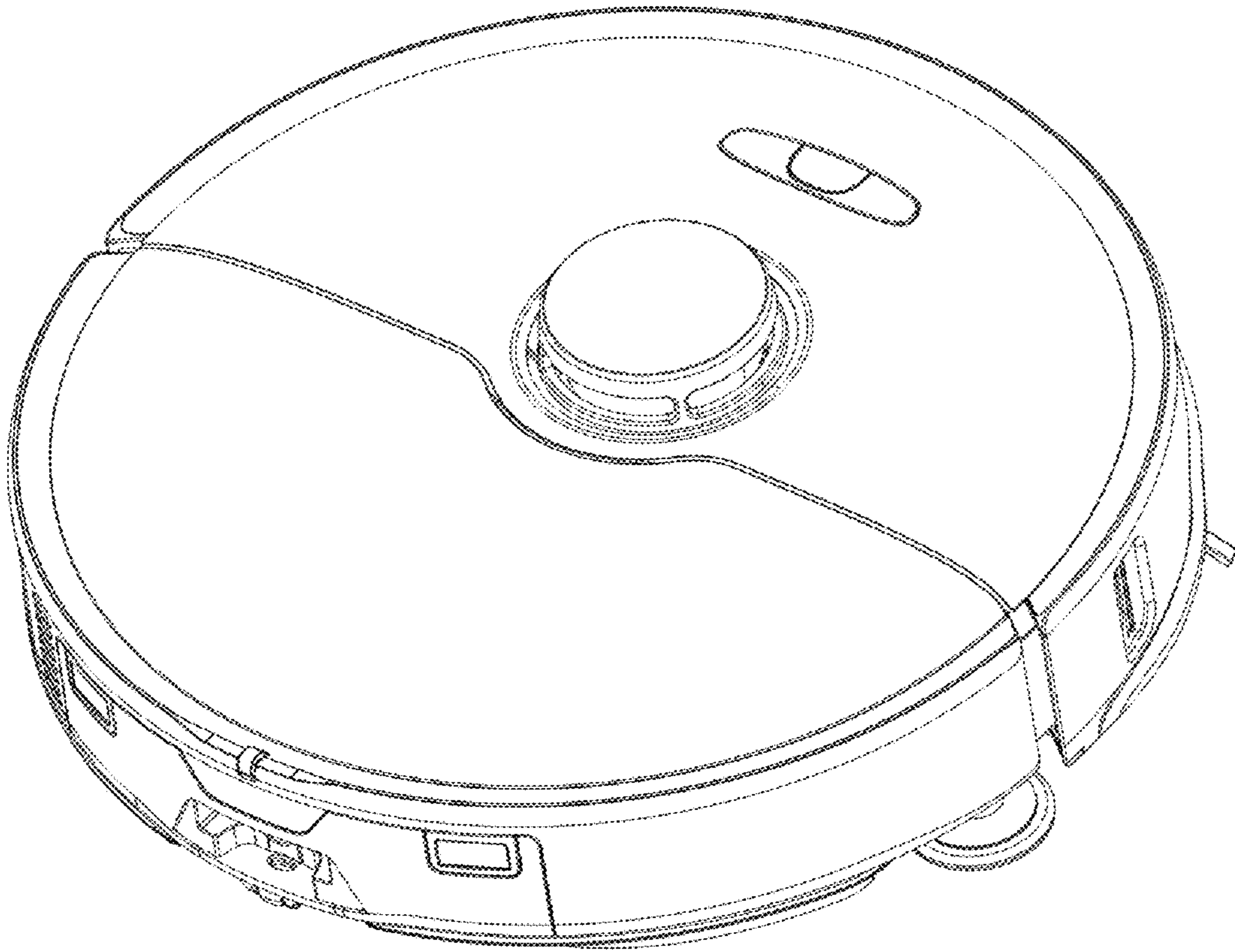
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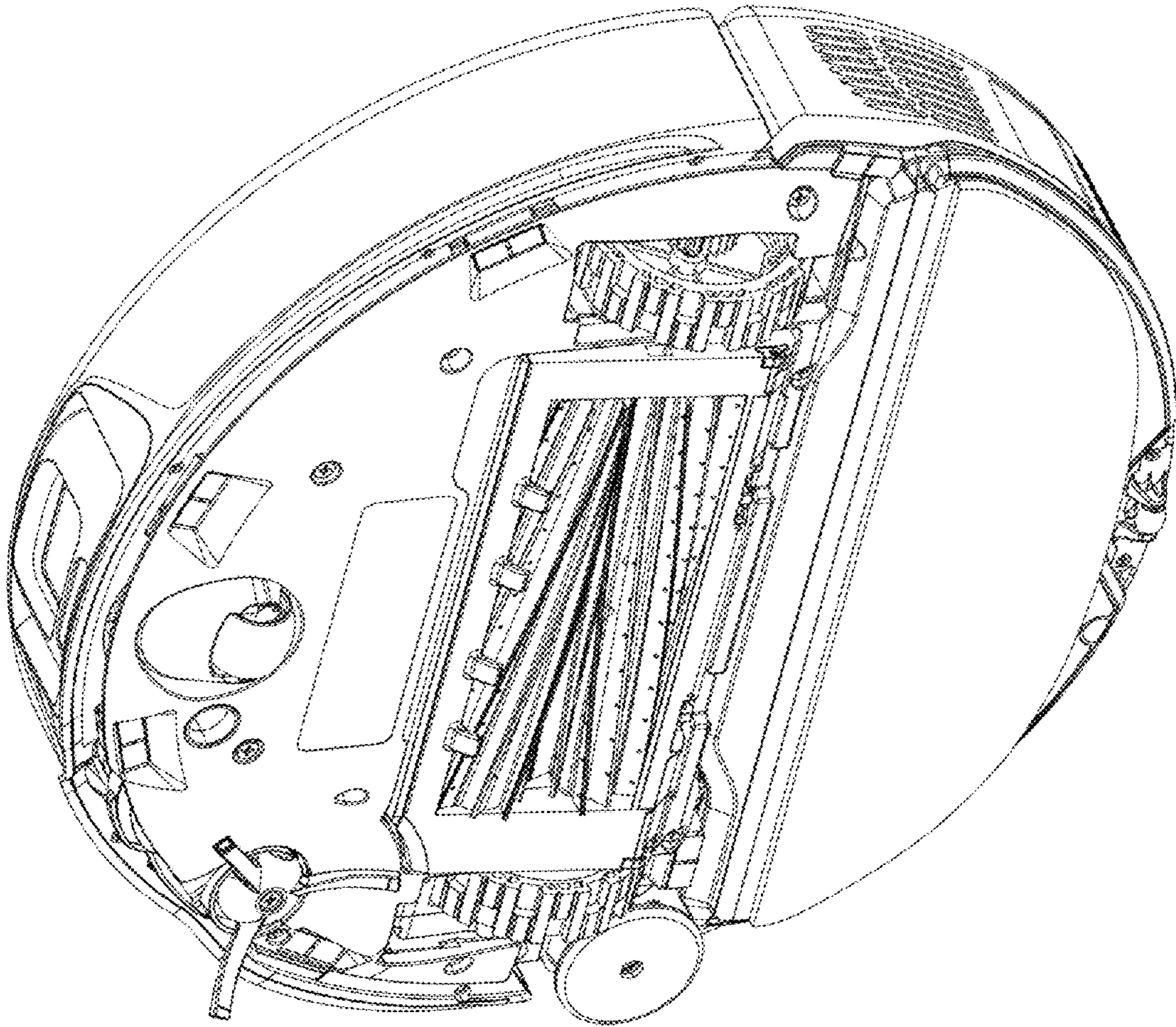
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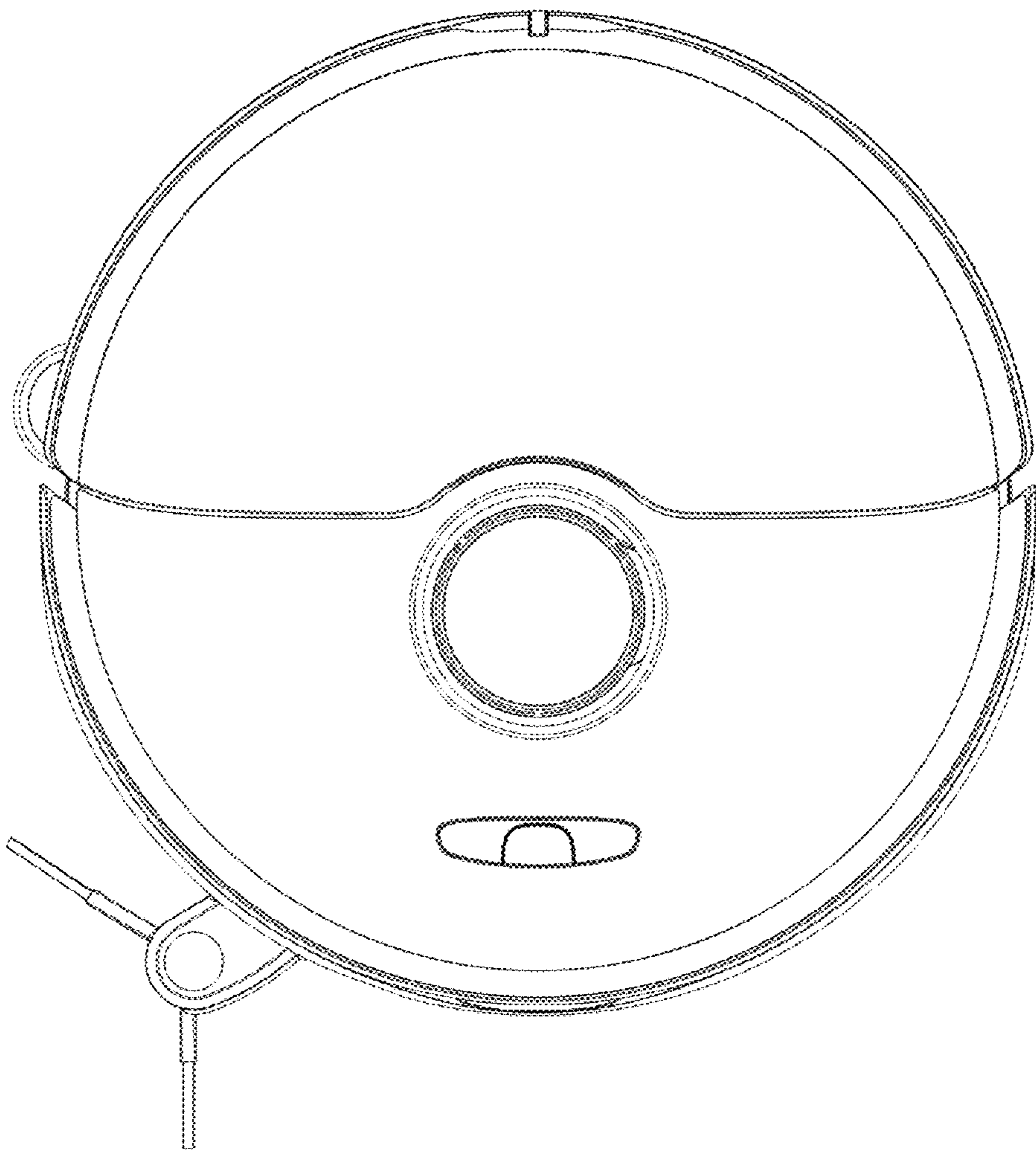
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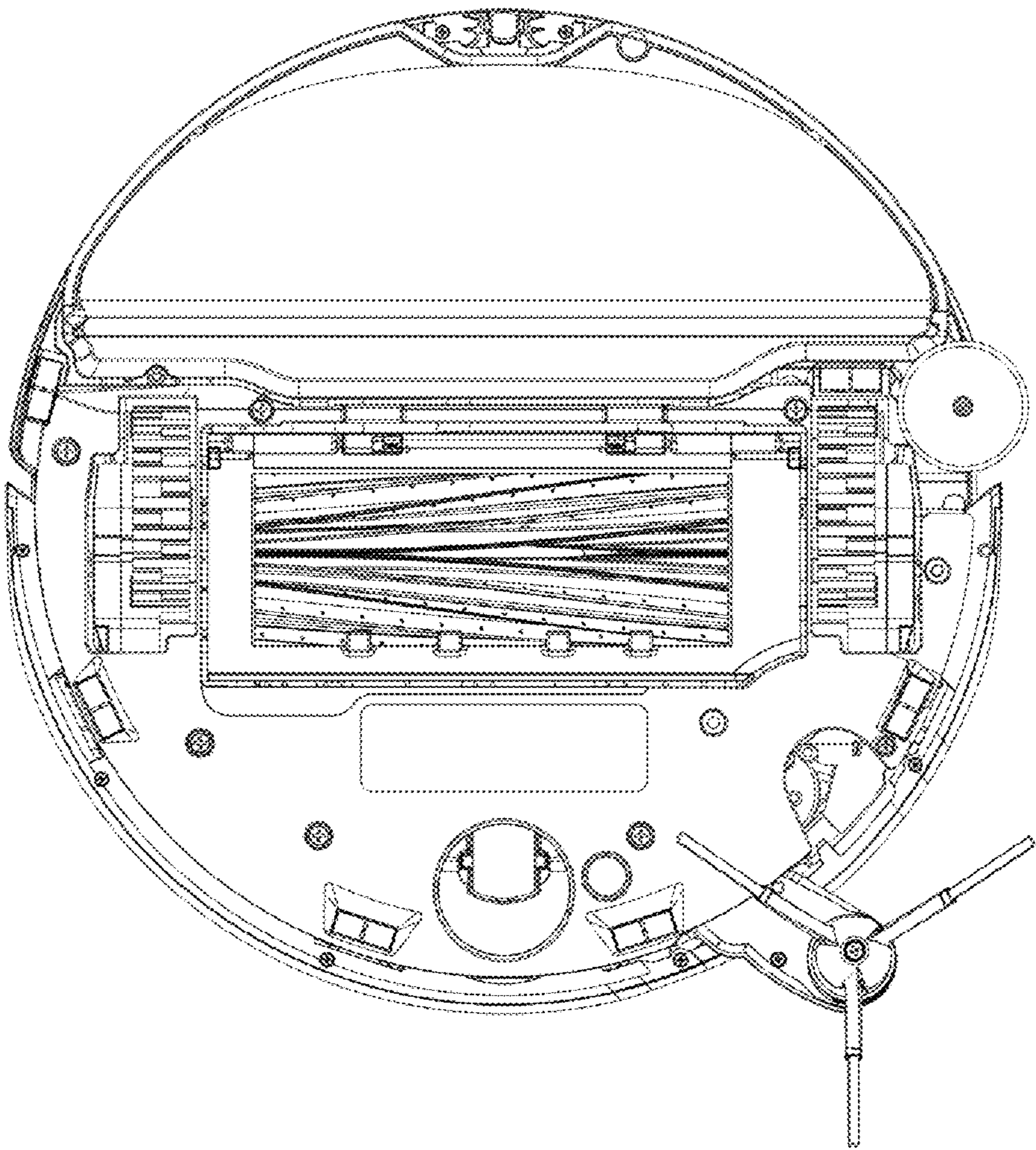


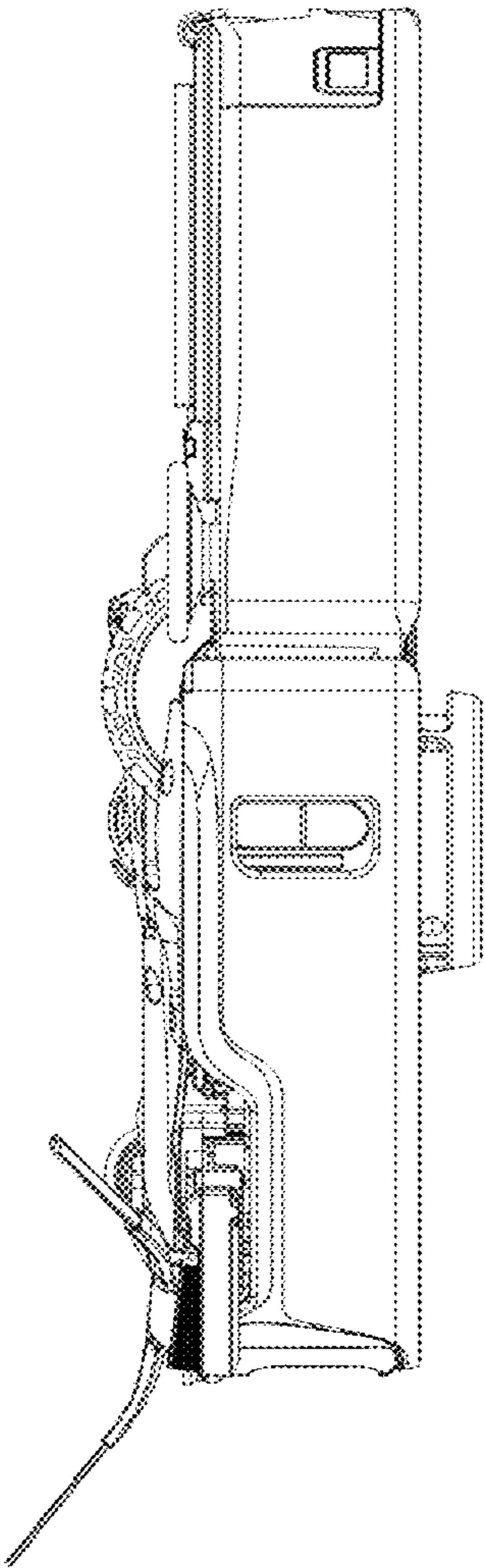
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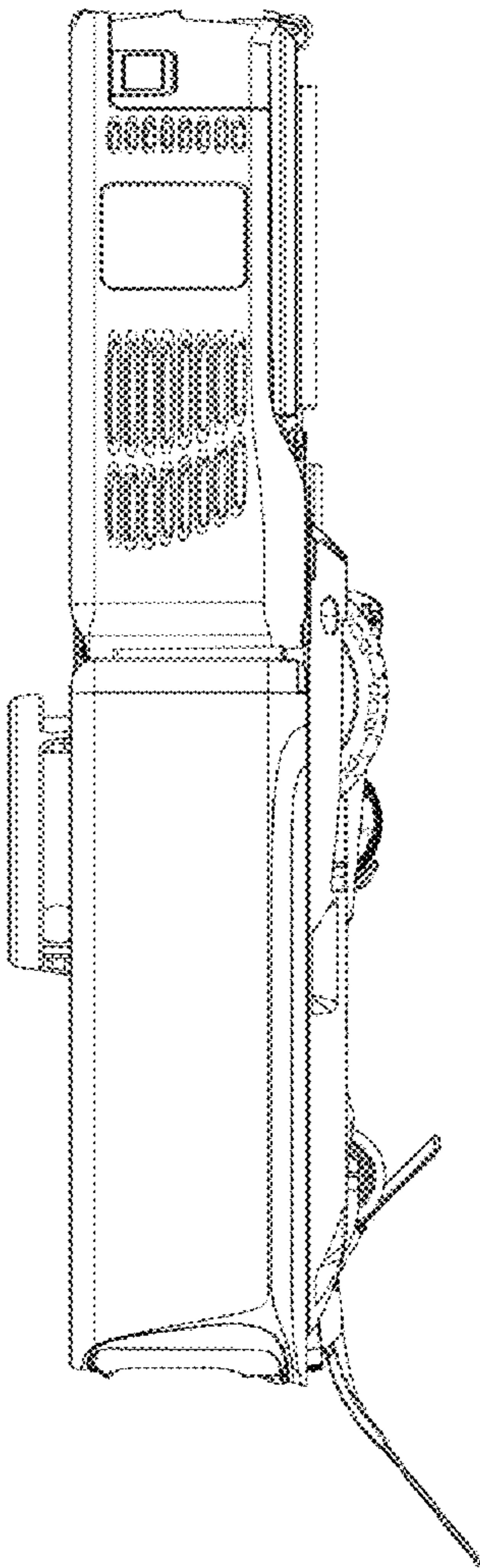
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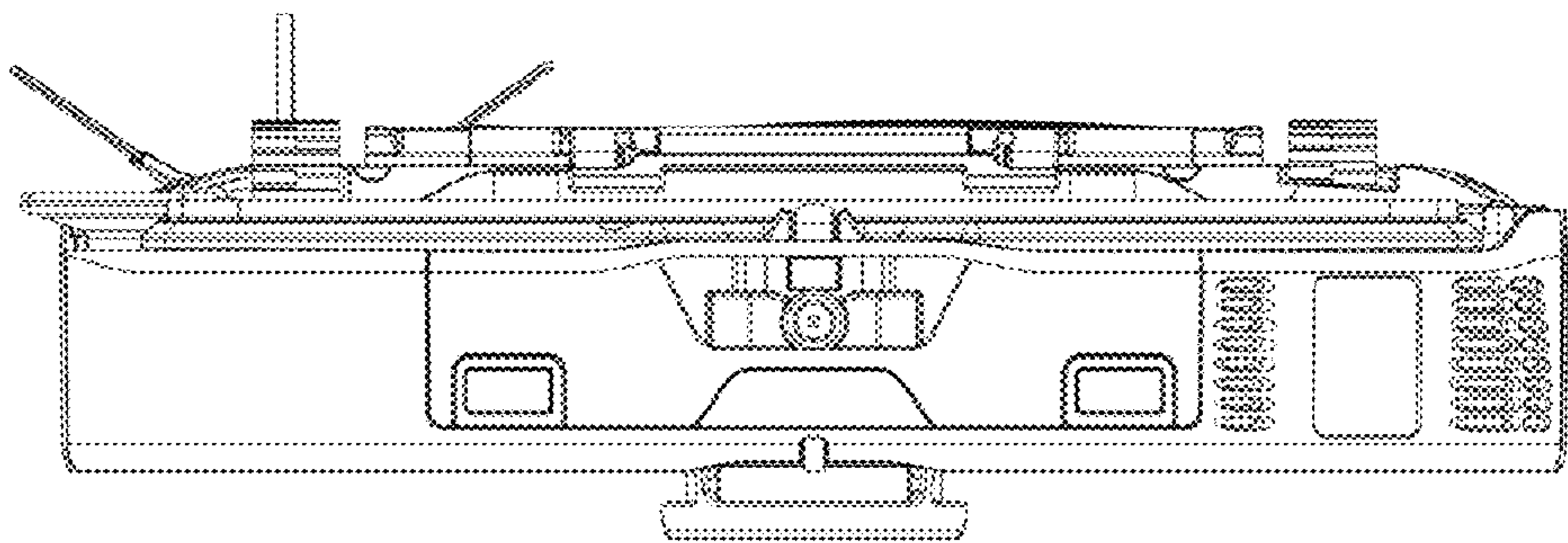




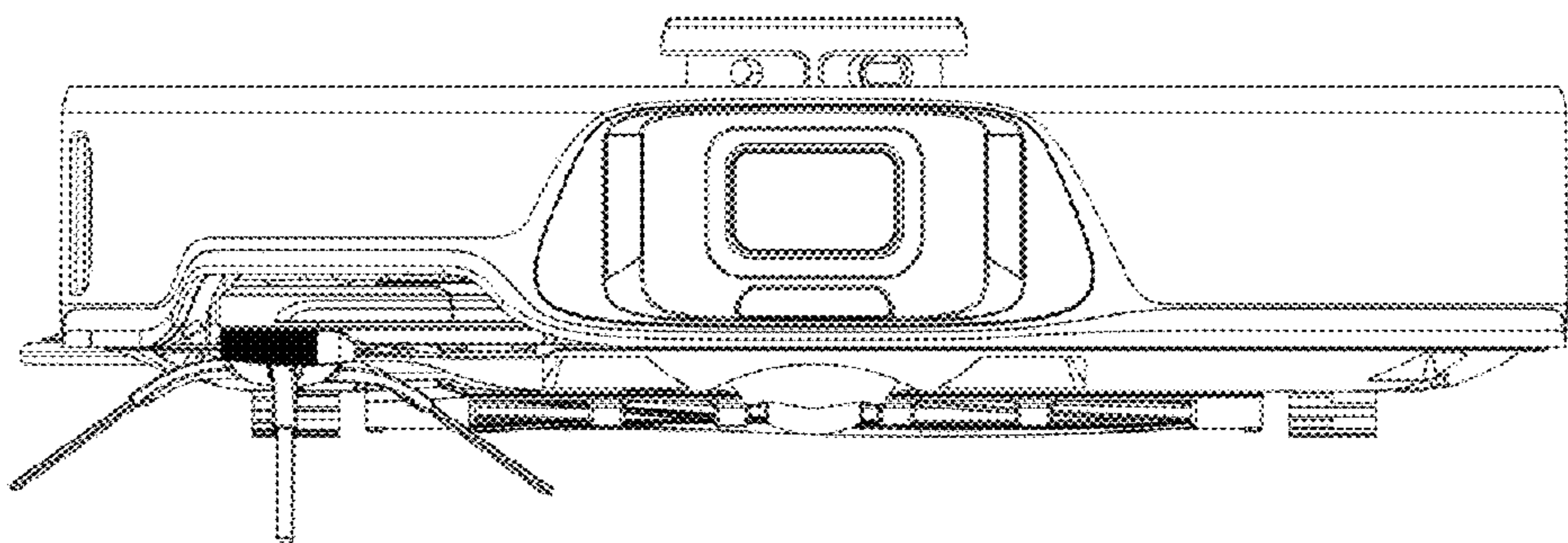
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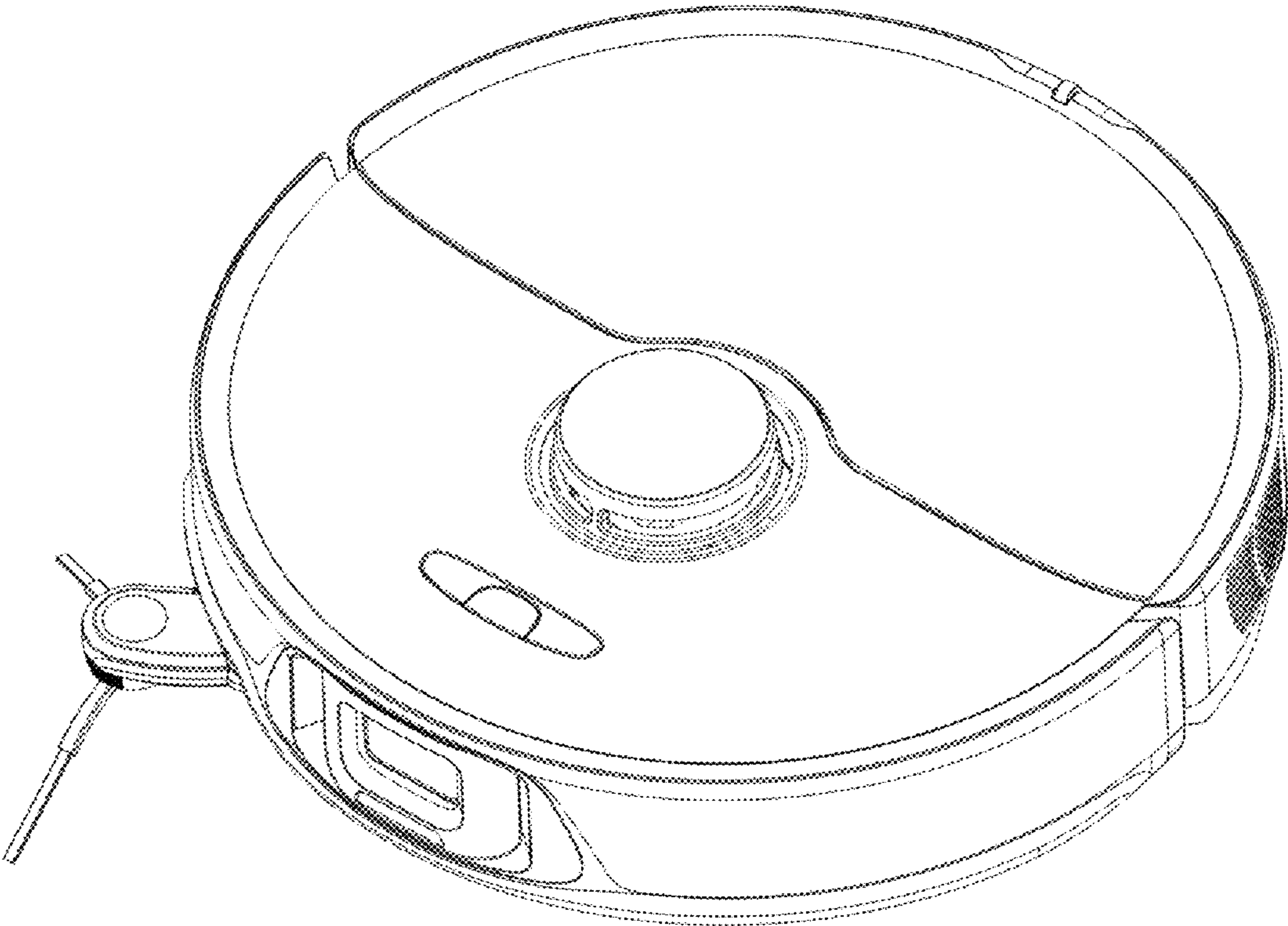
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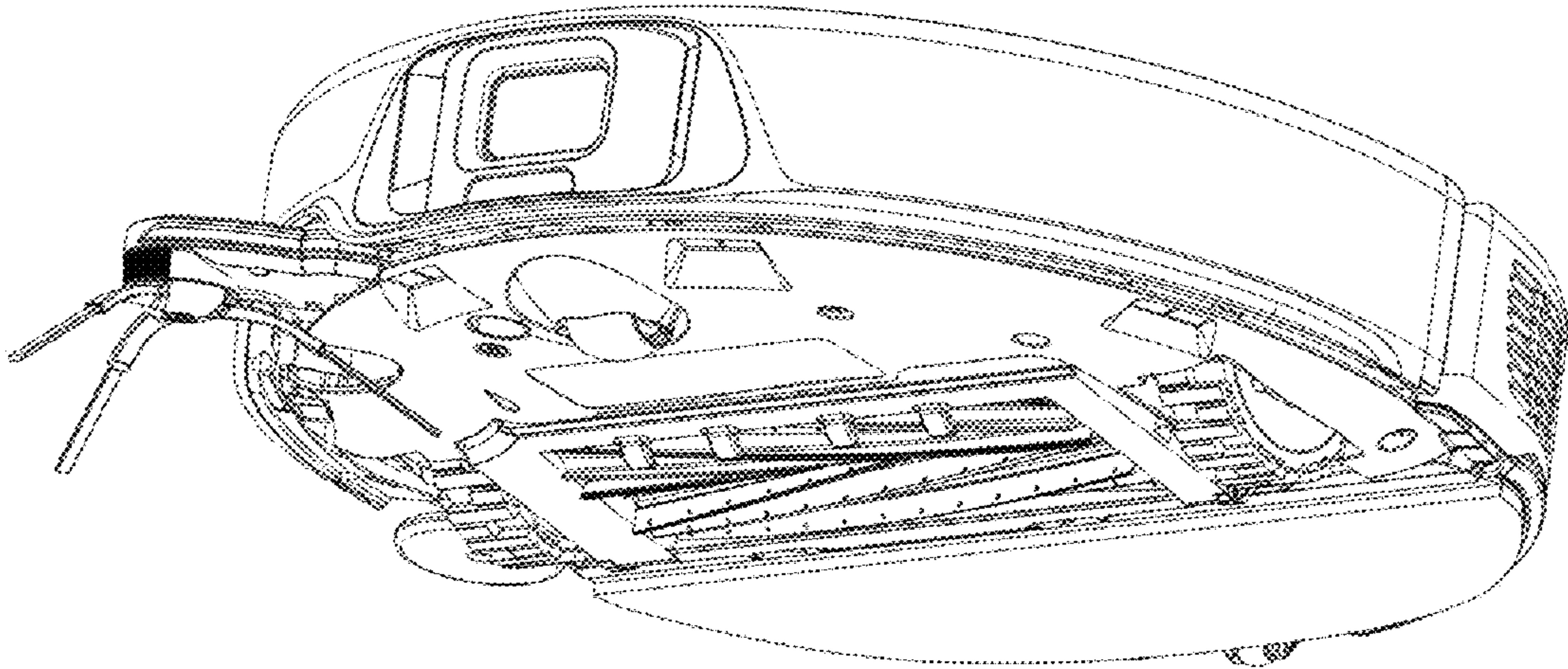
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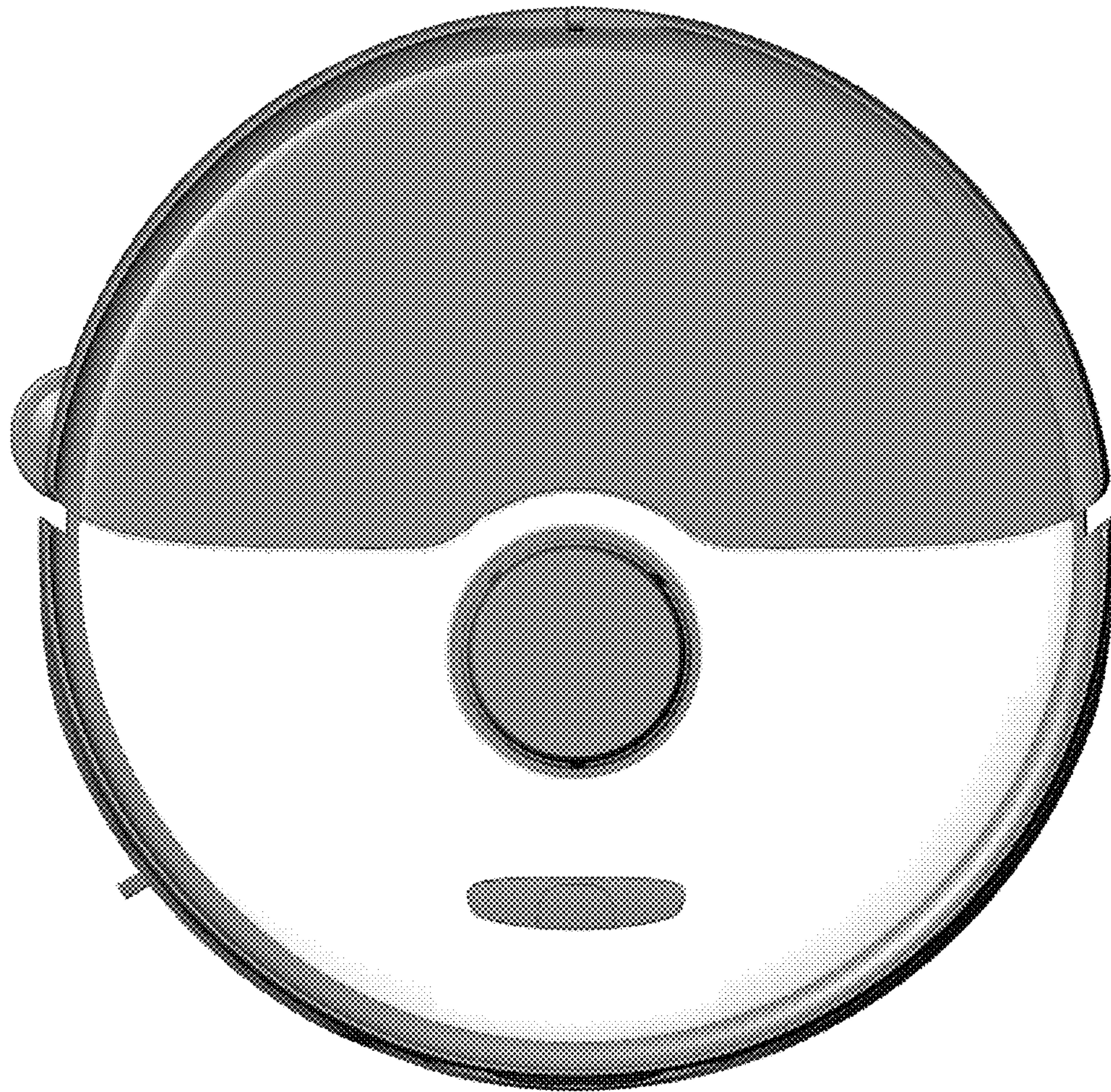
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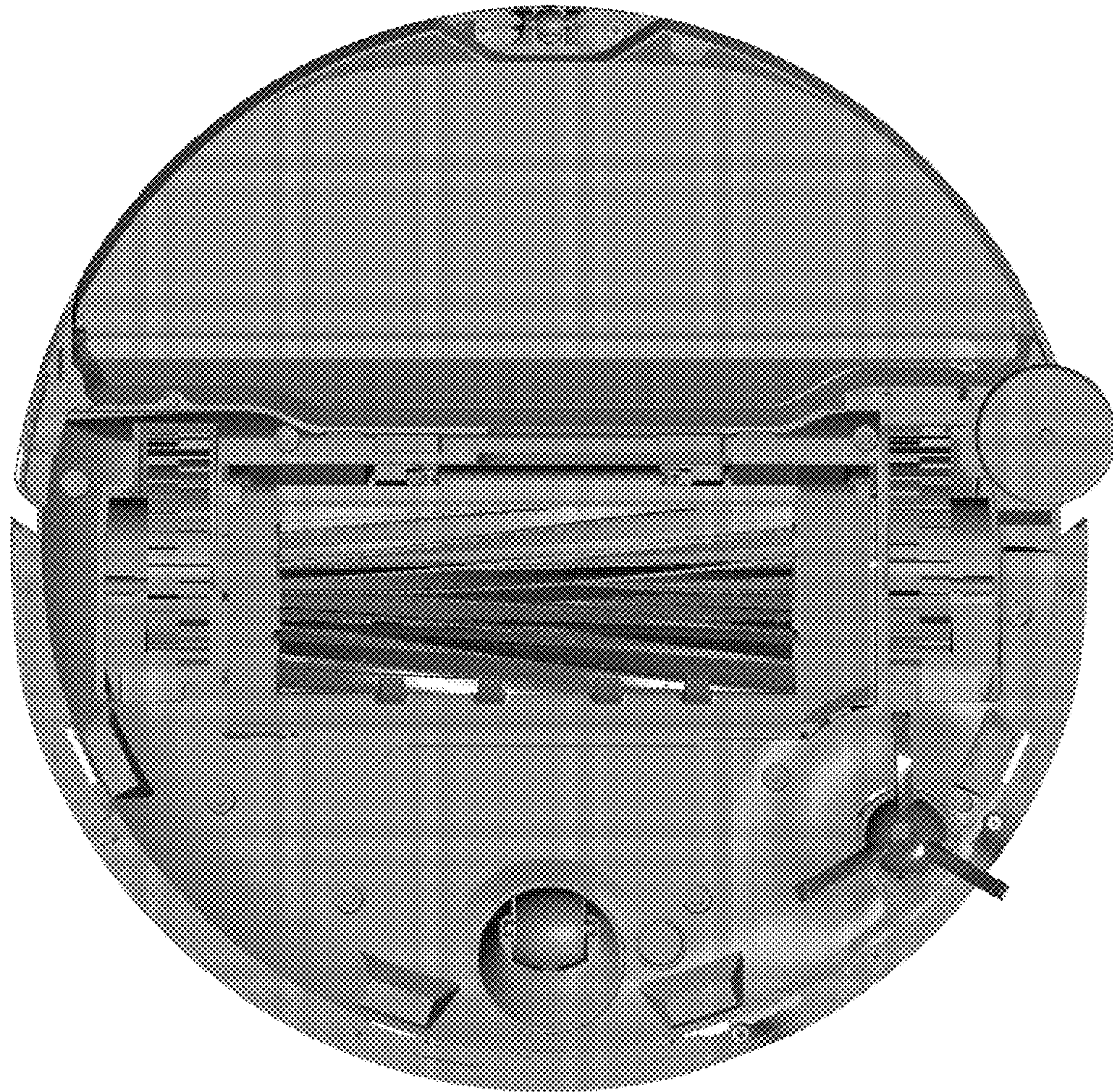
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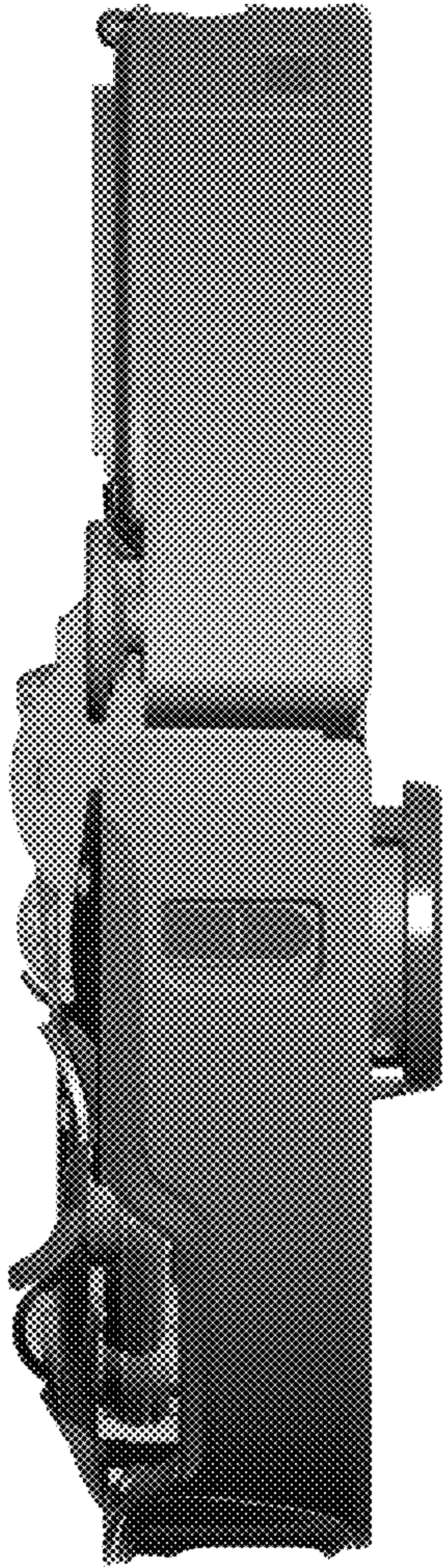


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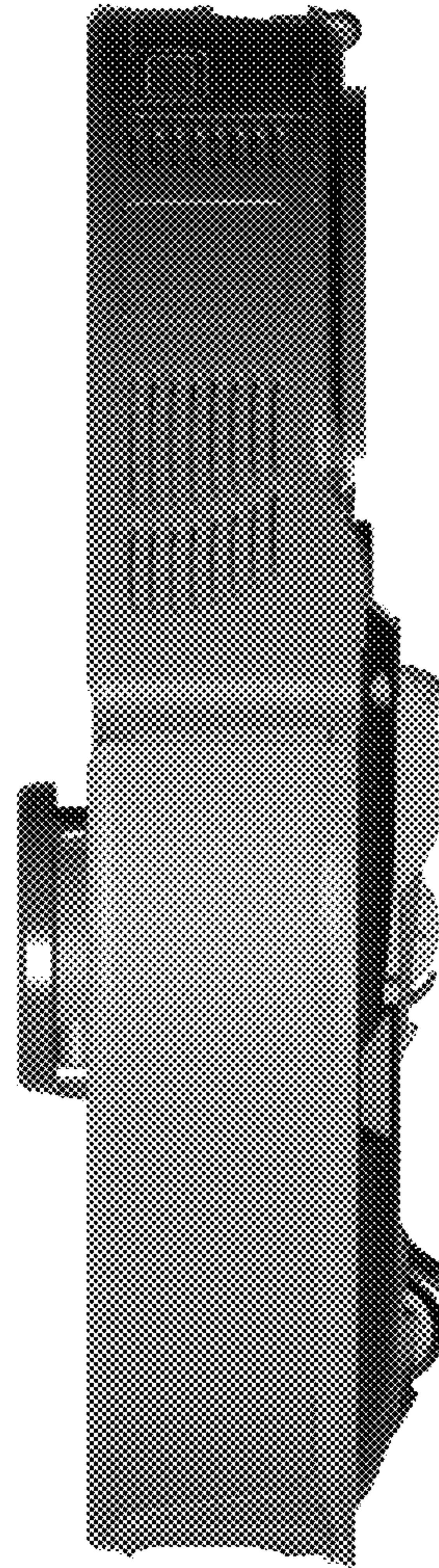


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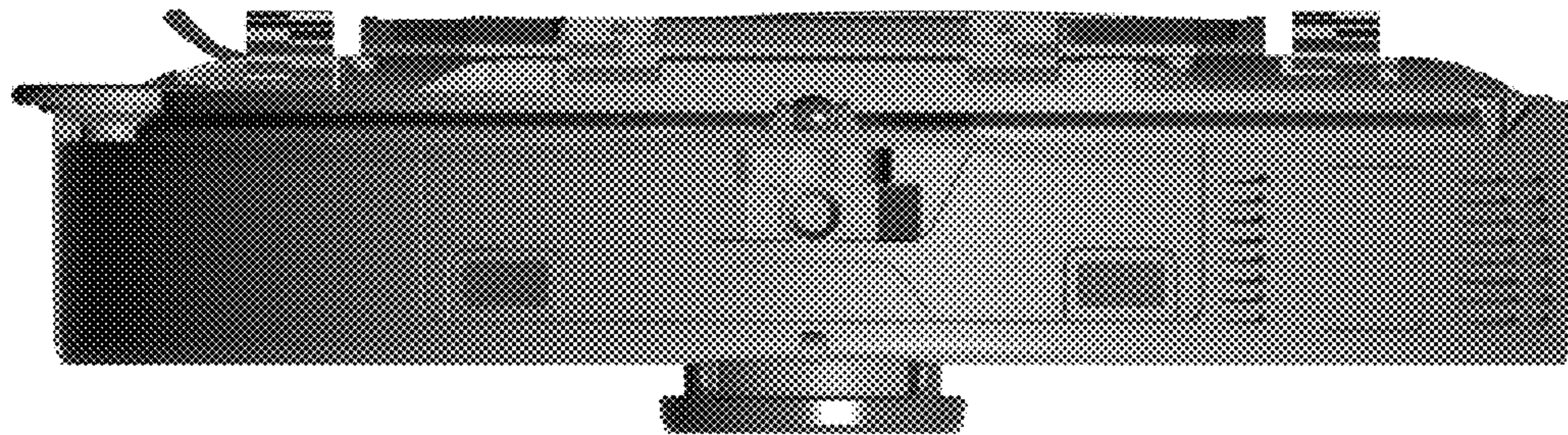




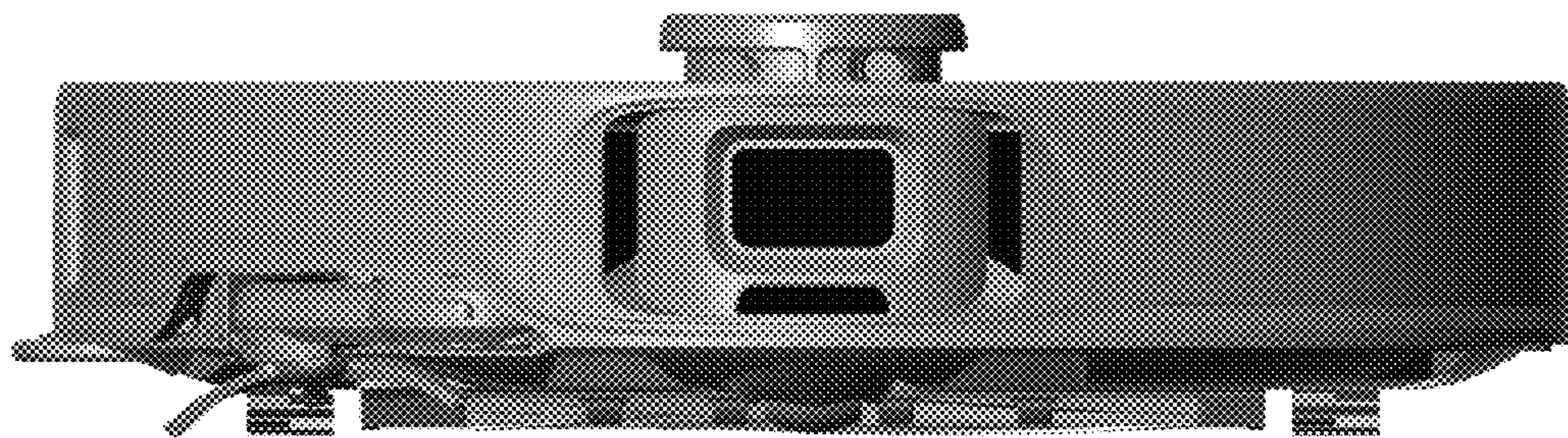
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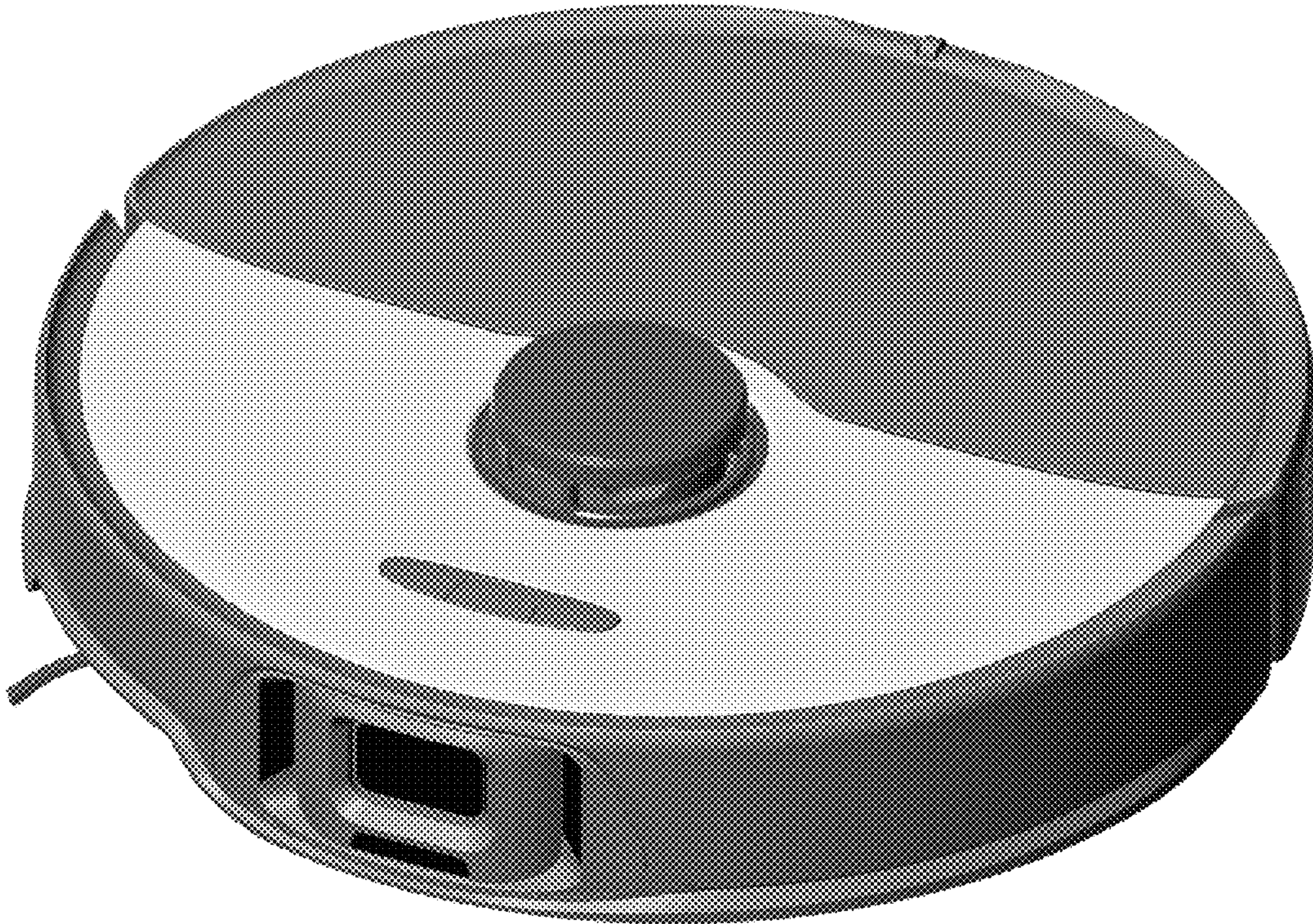
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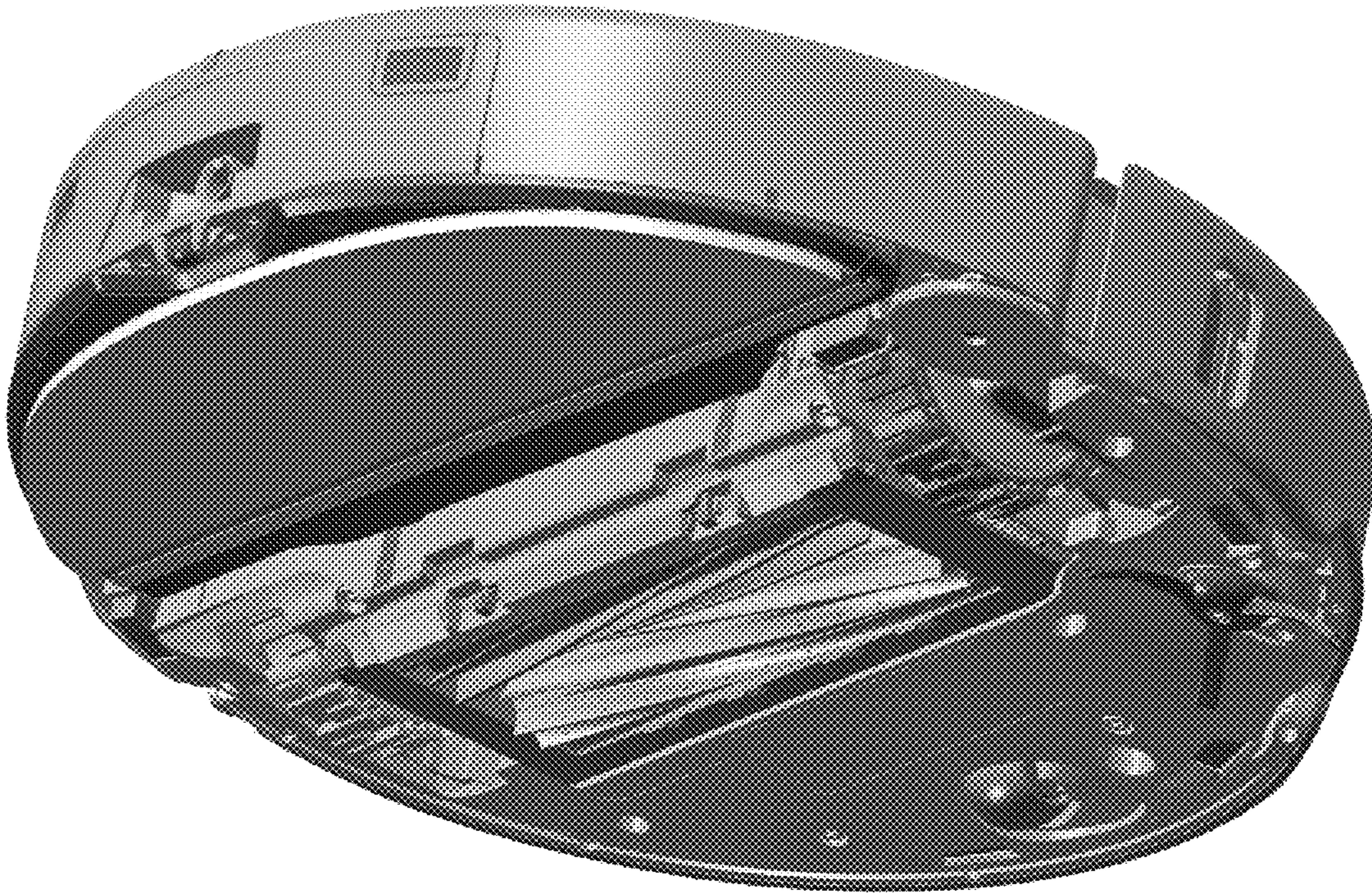


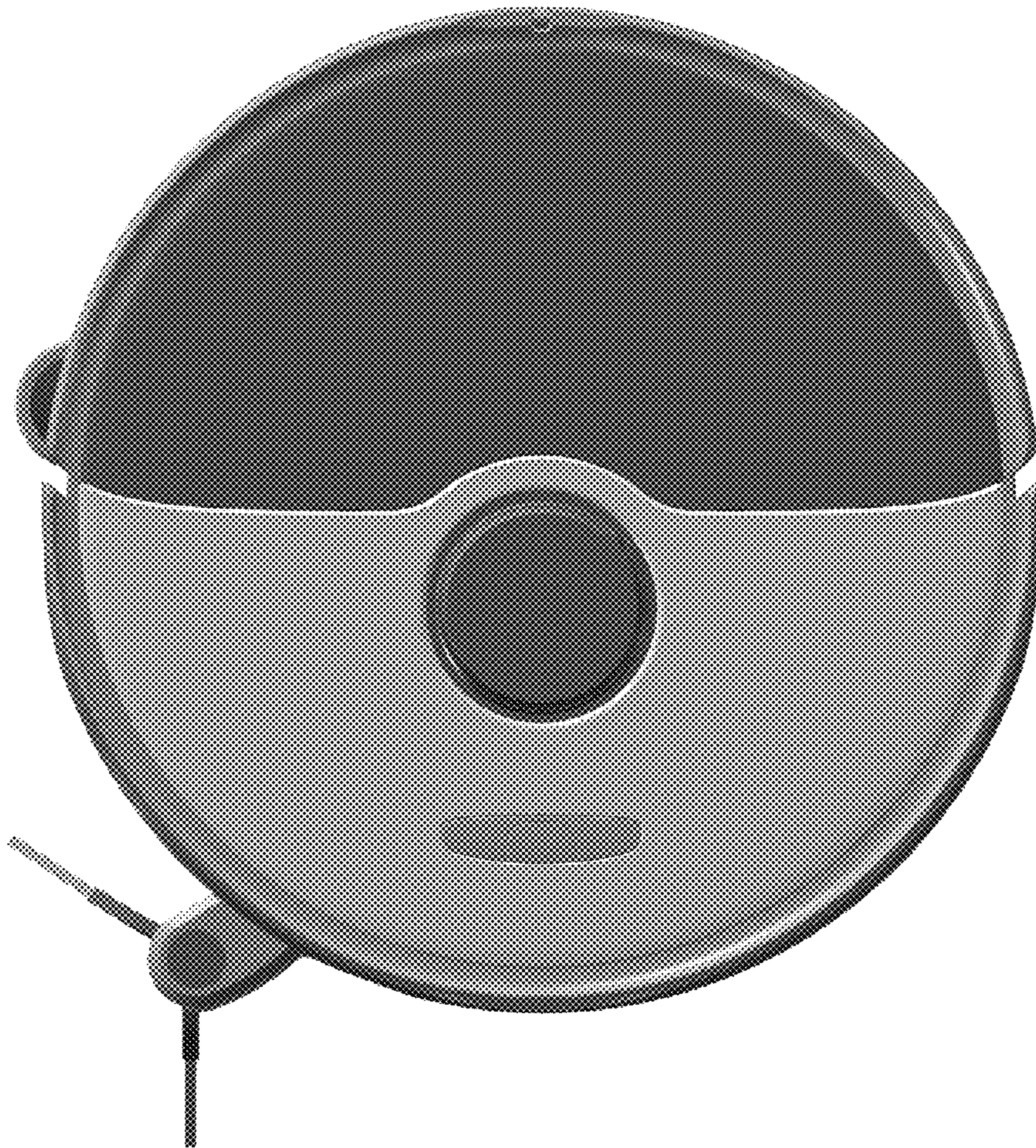
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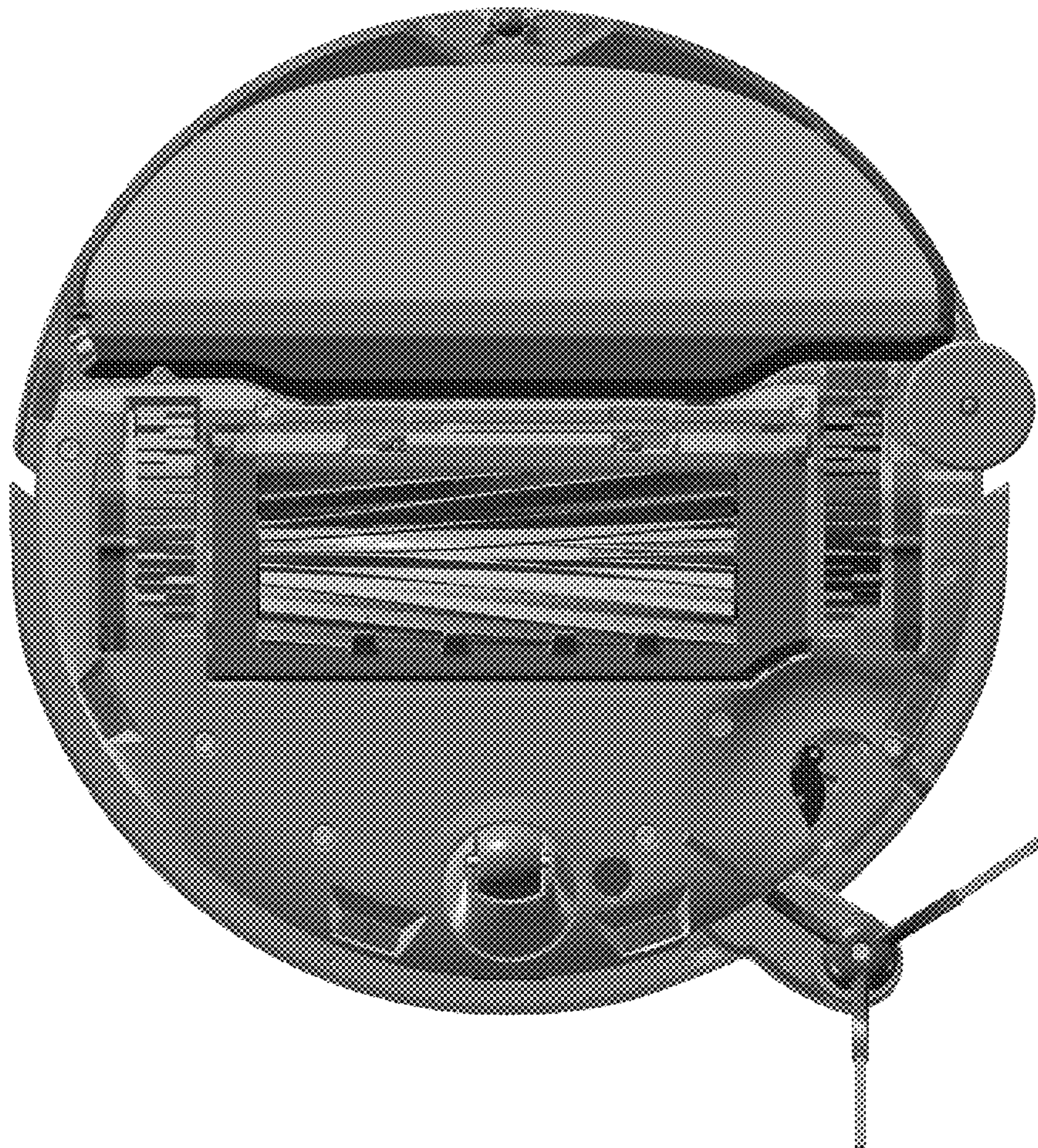
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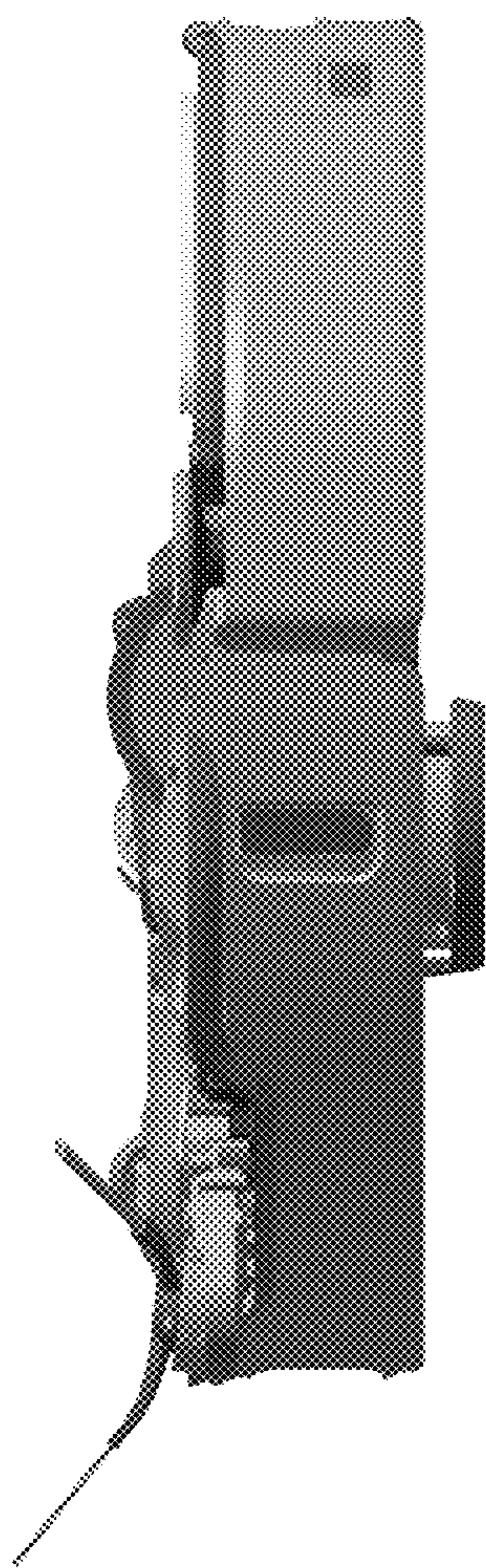




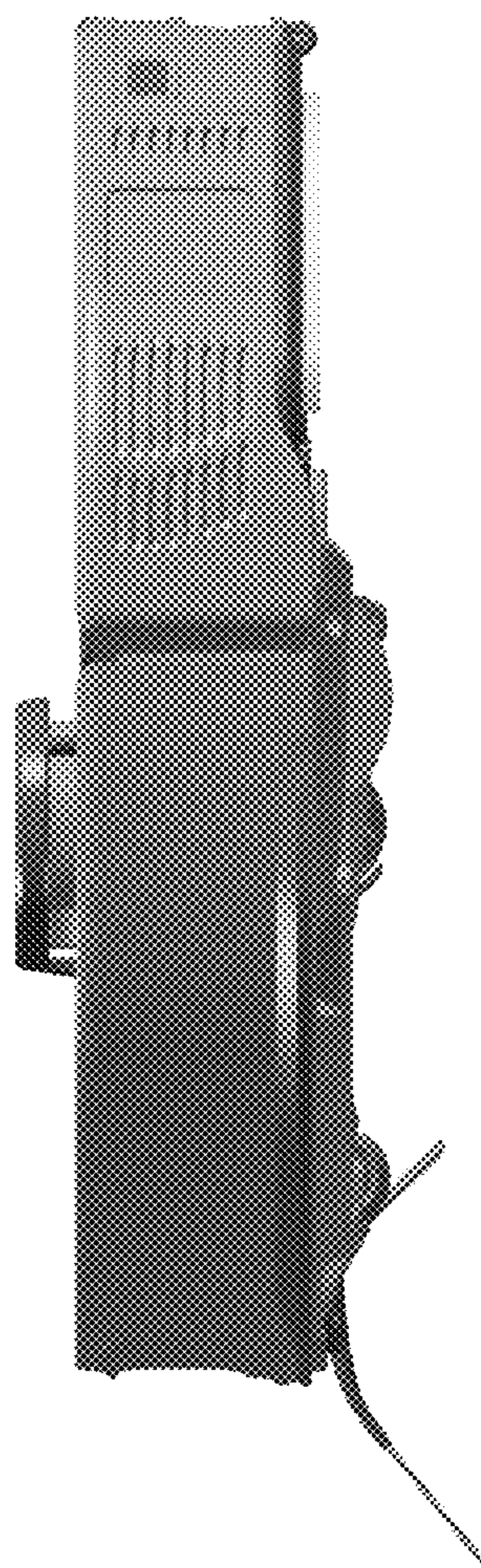
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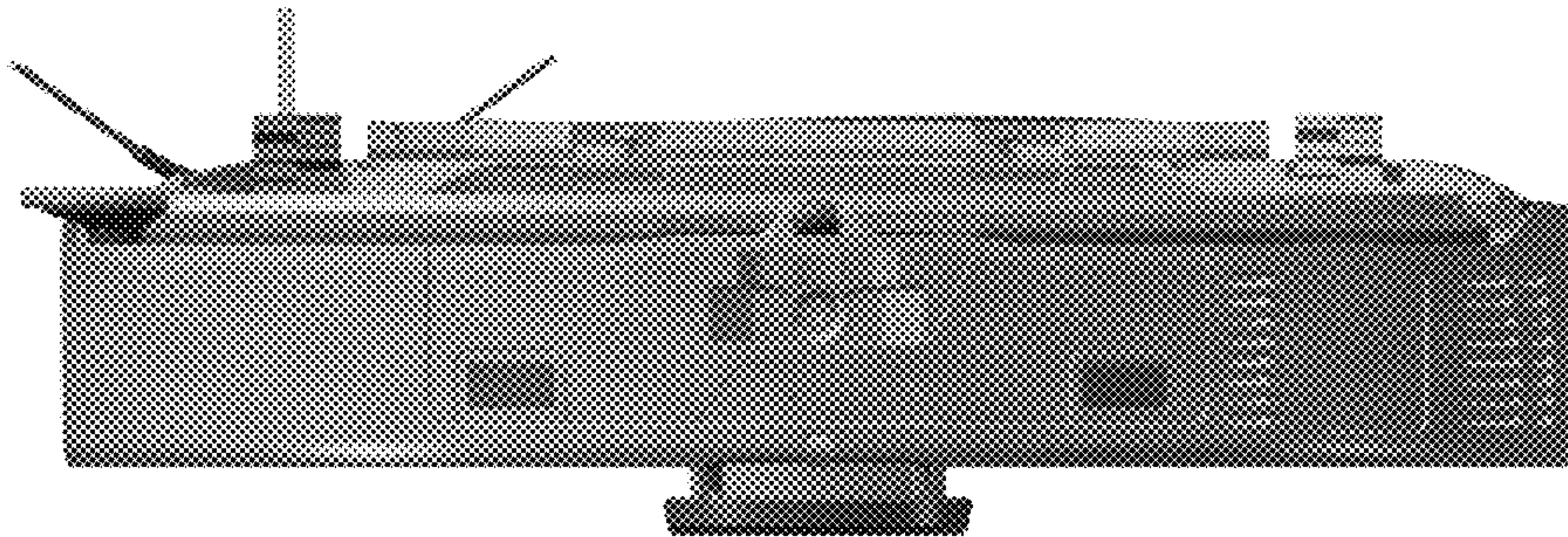
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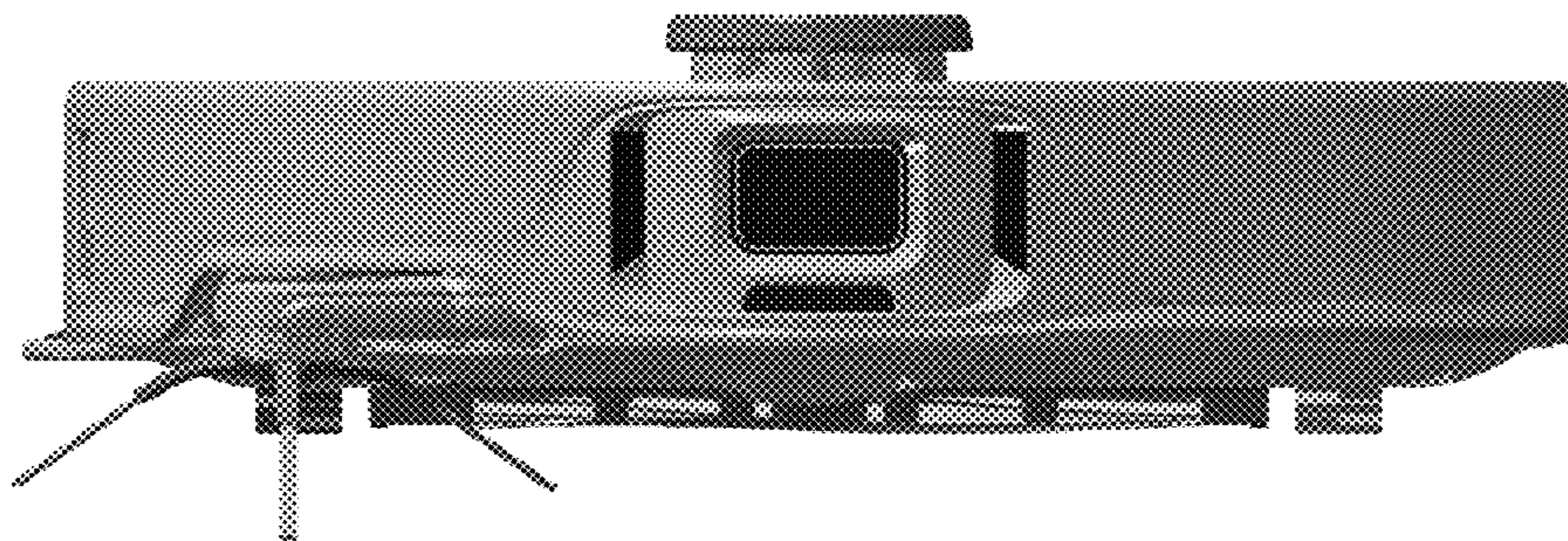
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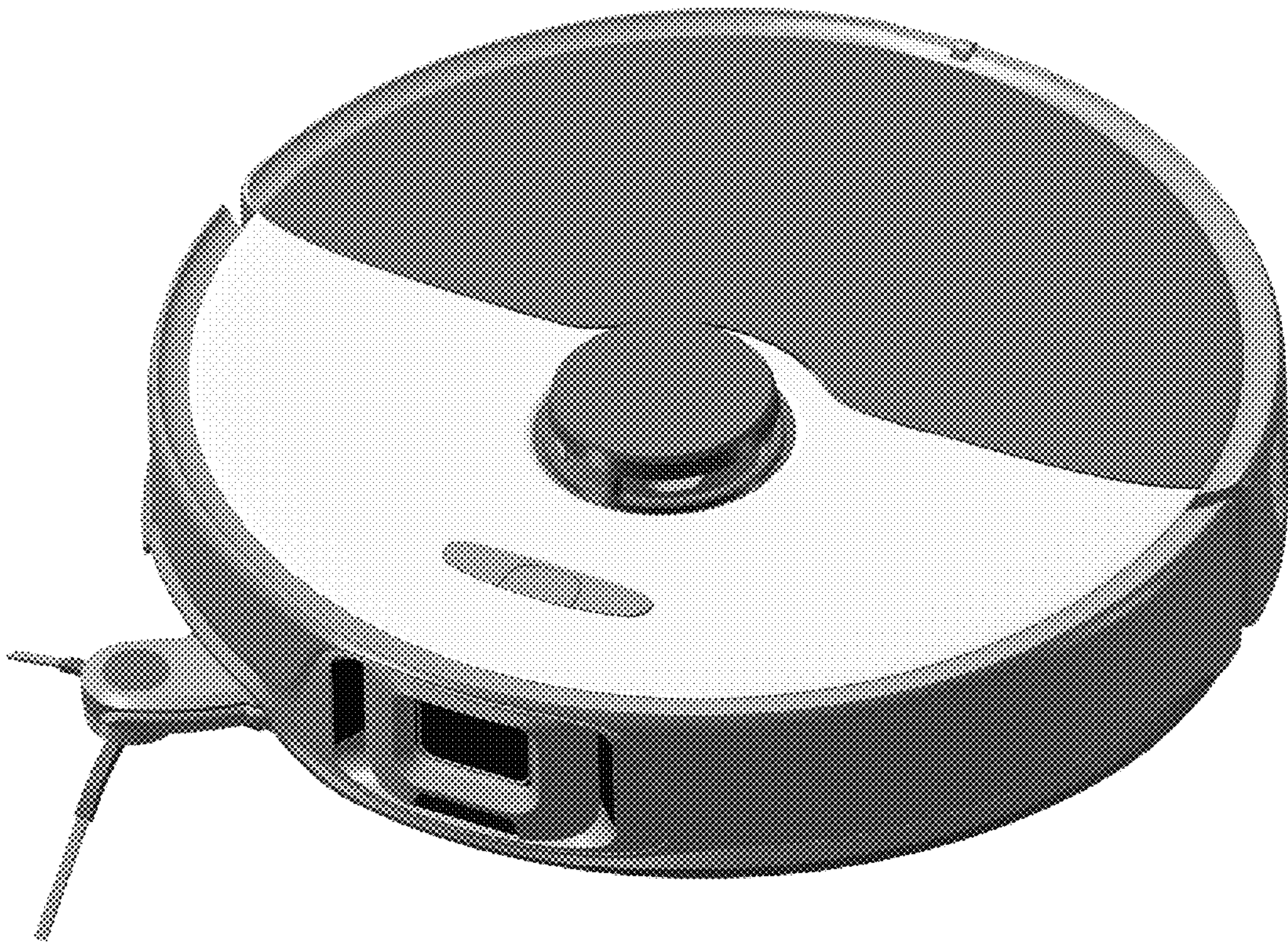
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6.13



6.14



6.15

