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

(10) **Patent No.:** **US D976,669 S**  
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(54) **KNIFE SHARPENER**

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(72) Inventor: **Jihui Li, Yangjiang (CN)**

(\*\*) Term: **15 Years**

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(22) Filed: **Sep. 27, 2022**

(30) **Foreign Application Priority Data**

Jun. 11, 2022 (CN) ..... 202230356741.9

(51) **LOC (14) Cl.** ..... **08-05**

(52) **U.S. Cl.**  
USPC ..... **D8/93**

(58) **Field of Classification Search**  
USPC ..... D8/63, 90, 91, 92, 93  
CPC .... B24B 3/54; B24B 3/36; B24B 3/58; B24B  
3/00; B24B 23/08; B24D 15/00; B24D  
15/06; B24D 15/063; B24D 15/08; B24D  
15/081

See application file for complete search history.

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(57) **CLAIM**

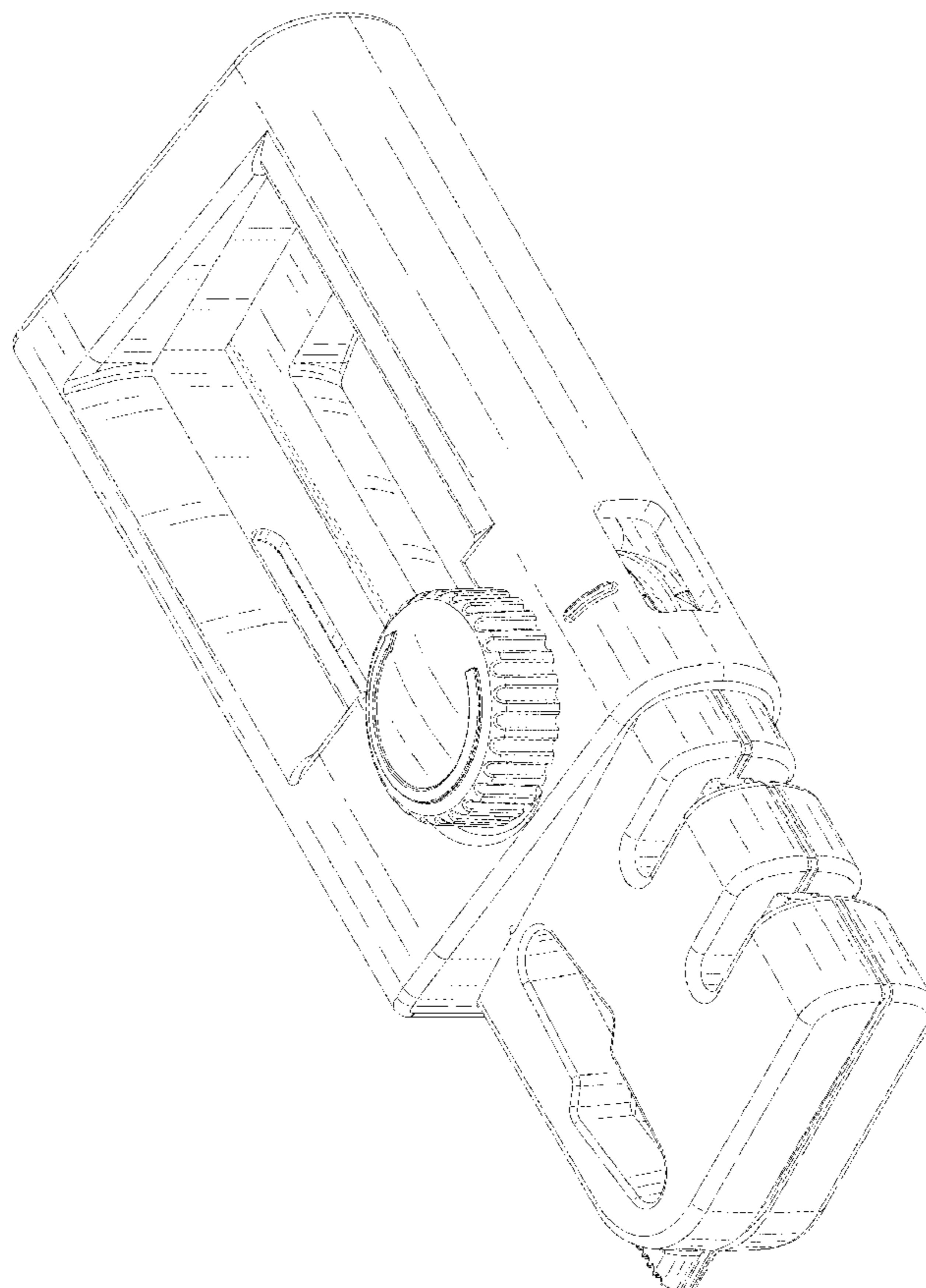
The ornamental design for a knife sharpener, as shown and described.

**DESCRIPTION**

FIG. 1 is a top front perspective view of a knife sharpener, showing my new design;  
FIG. 2 is a bottom, rear perspective view thereof;  
FIG. 3 is a front elevation view thereof;  
FIG. 4 is a rear elevation view thereof;  
FIG. 5 is a bottom plan view thereof;  
FIG. 6 is a top plan view thereof;  
FIG. 7 is a left end elevation view thereof;  
FIG. 8 is a right end elevation view thereof, and,  
FIG. 9 is a top, front perspective view thereof, in the folded condition.

The broken lines shown in the drawings illustrate portions of the knife sharpener that form no part of the claimed design.

**1 Claim, 9 Drawing Sheets**



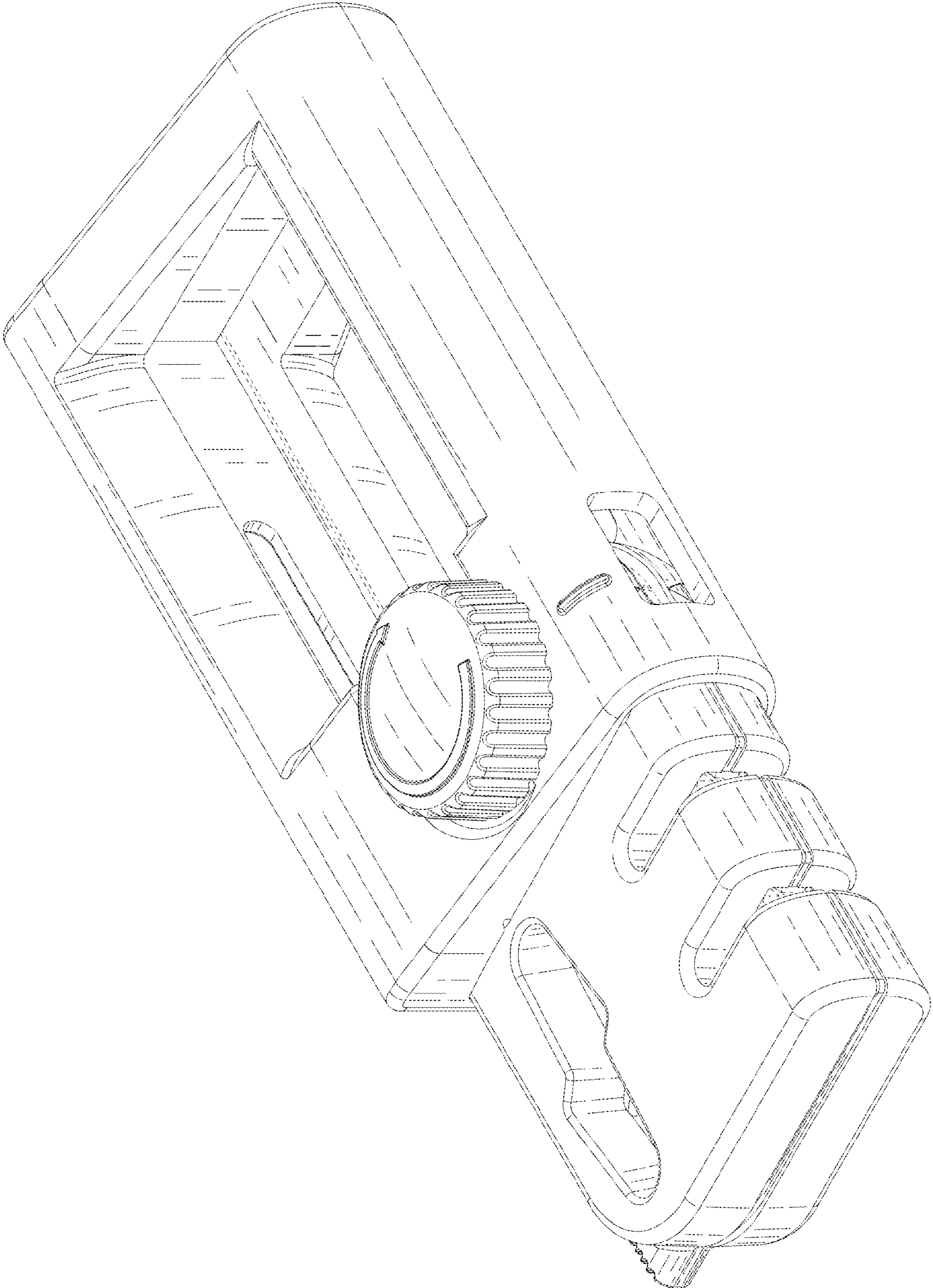


FIG. 1

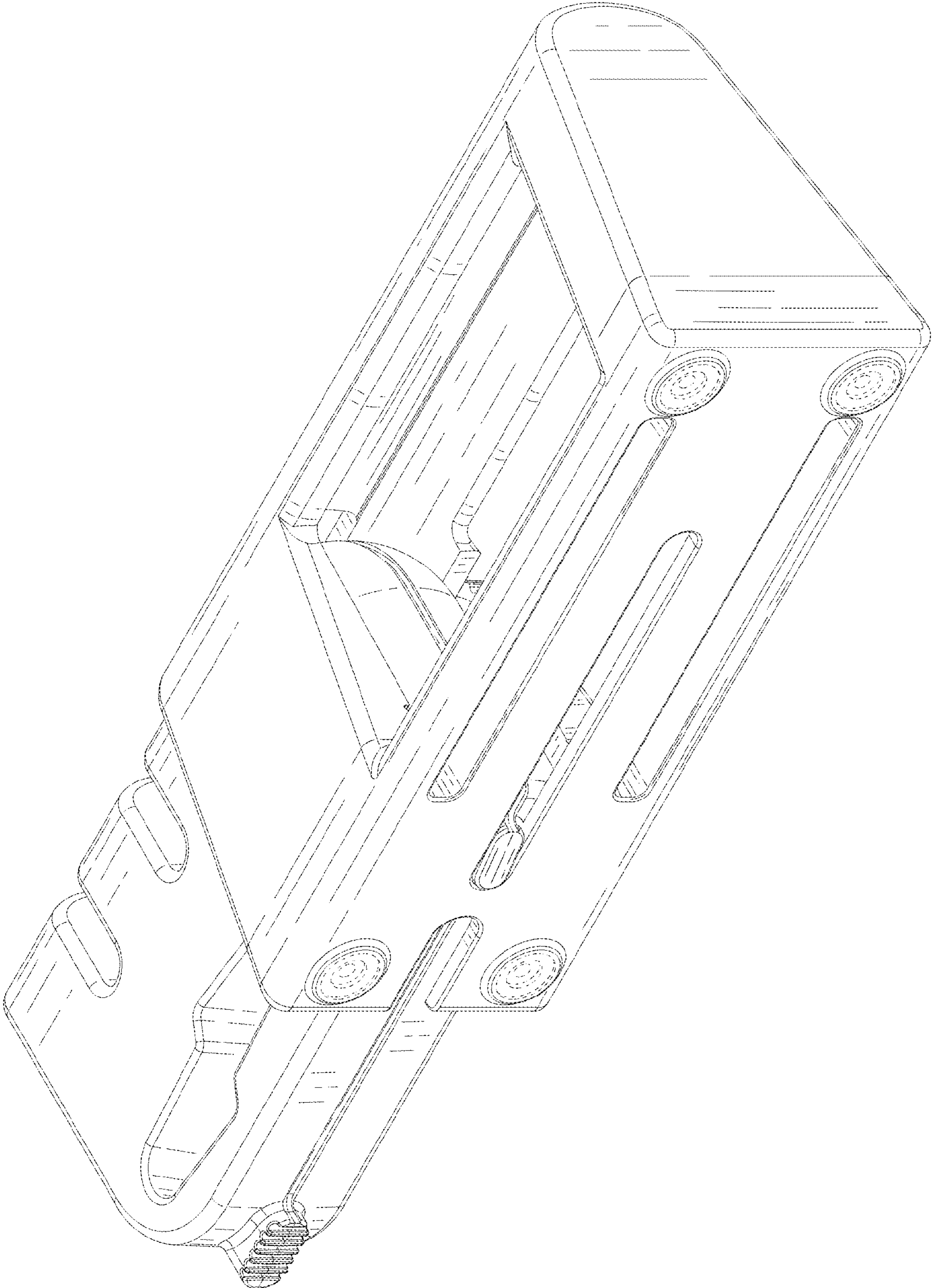


FIG. 2

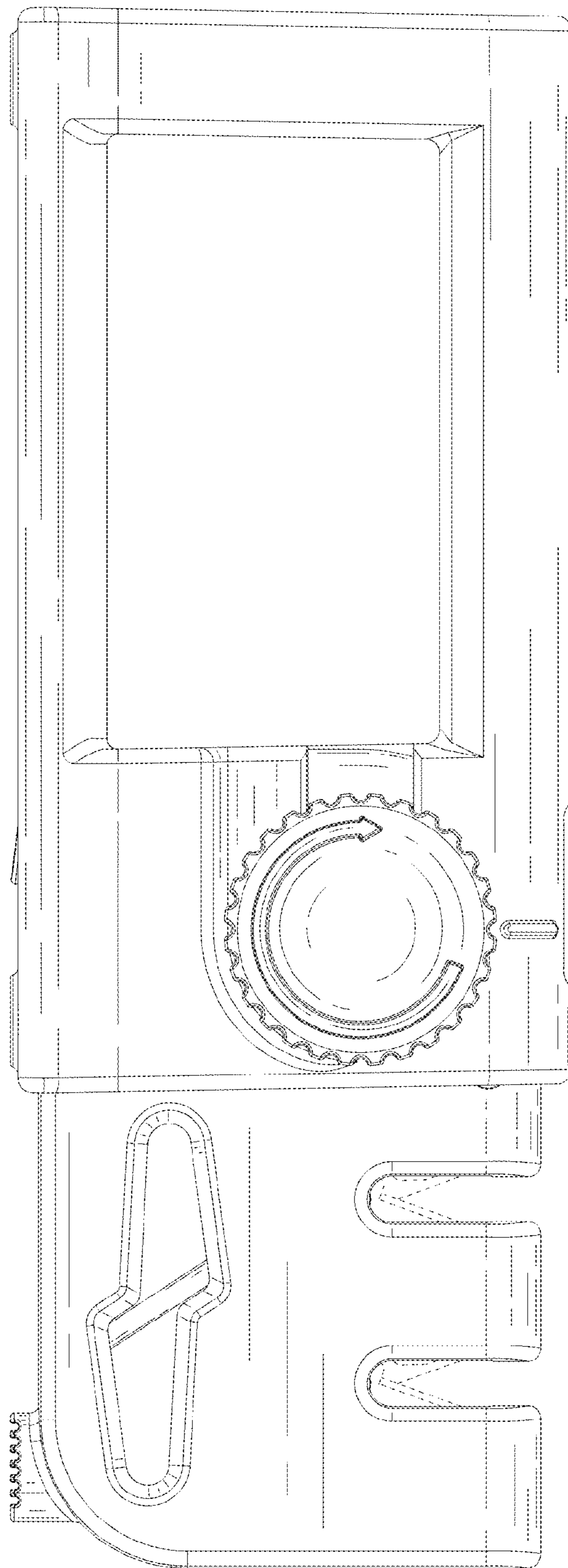


FIG. 3

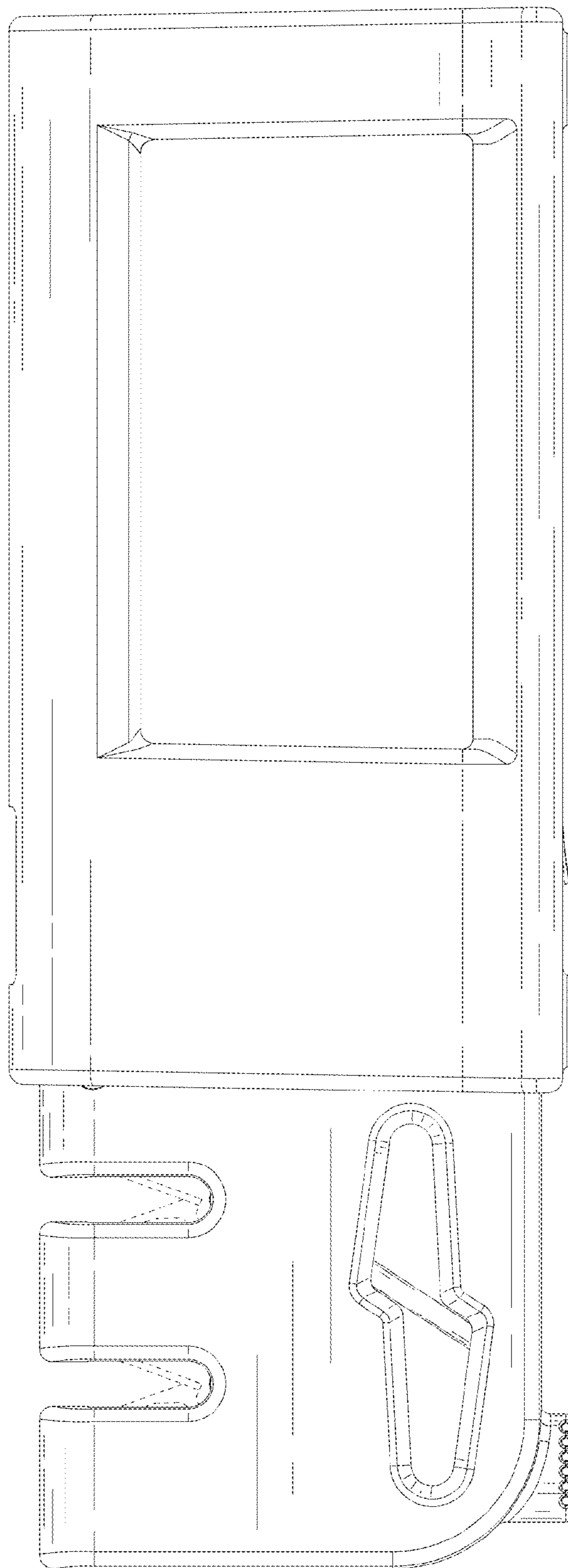


FIG. 4

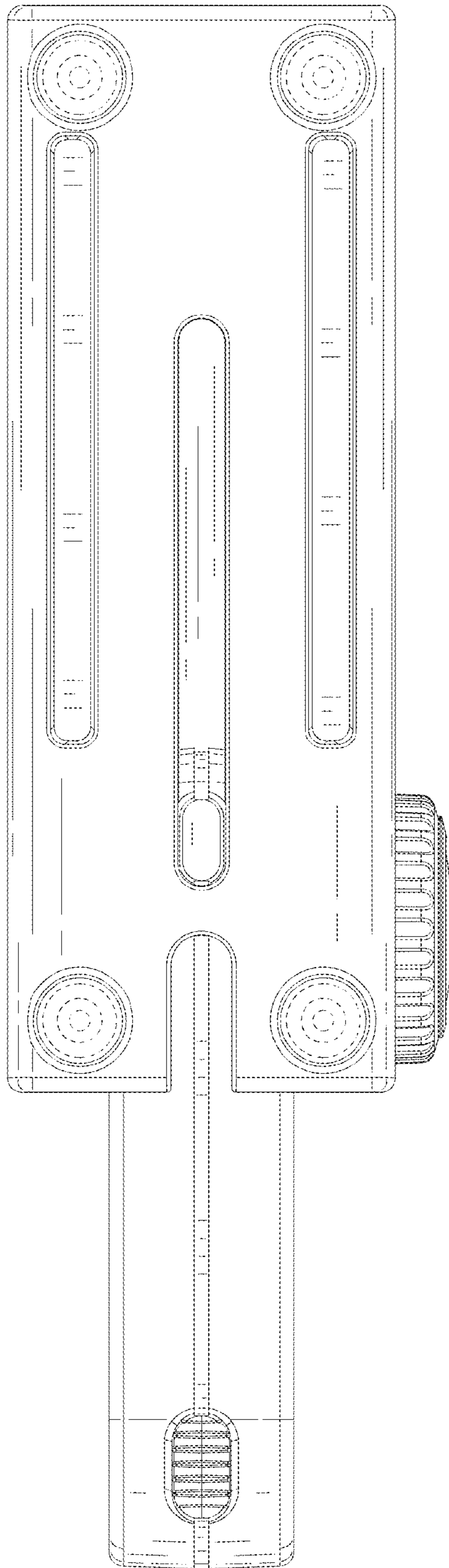


FIG. 5

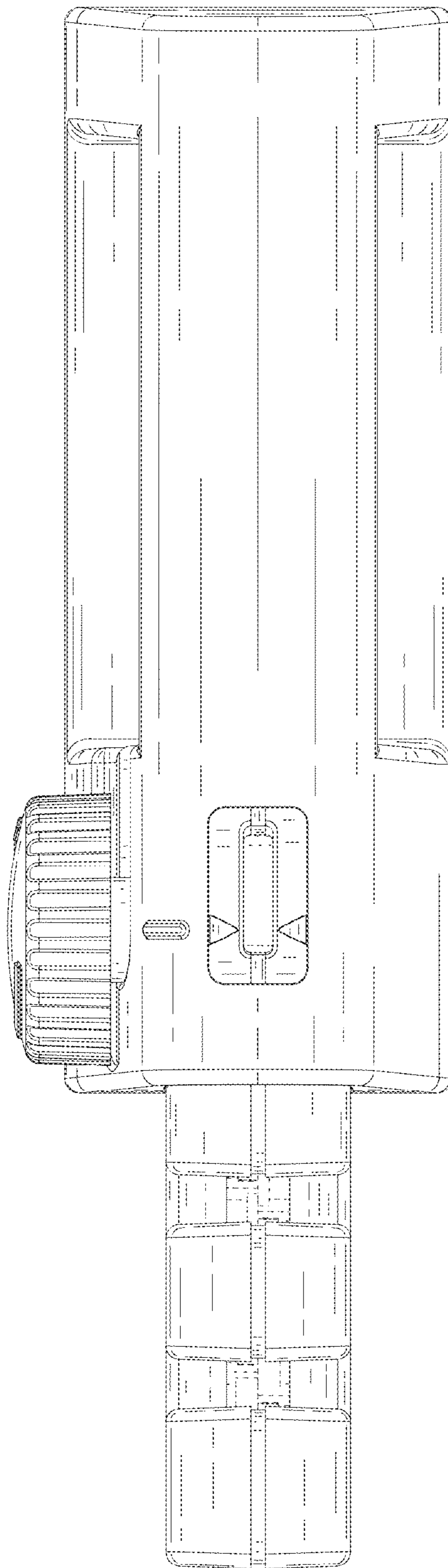


FIG. 6

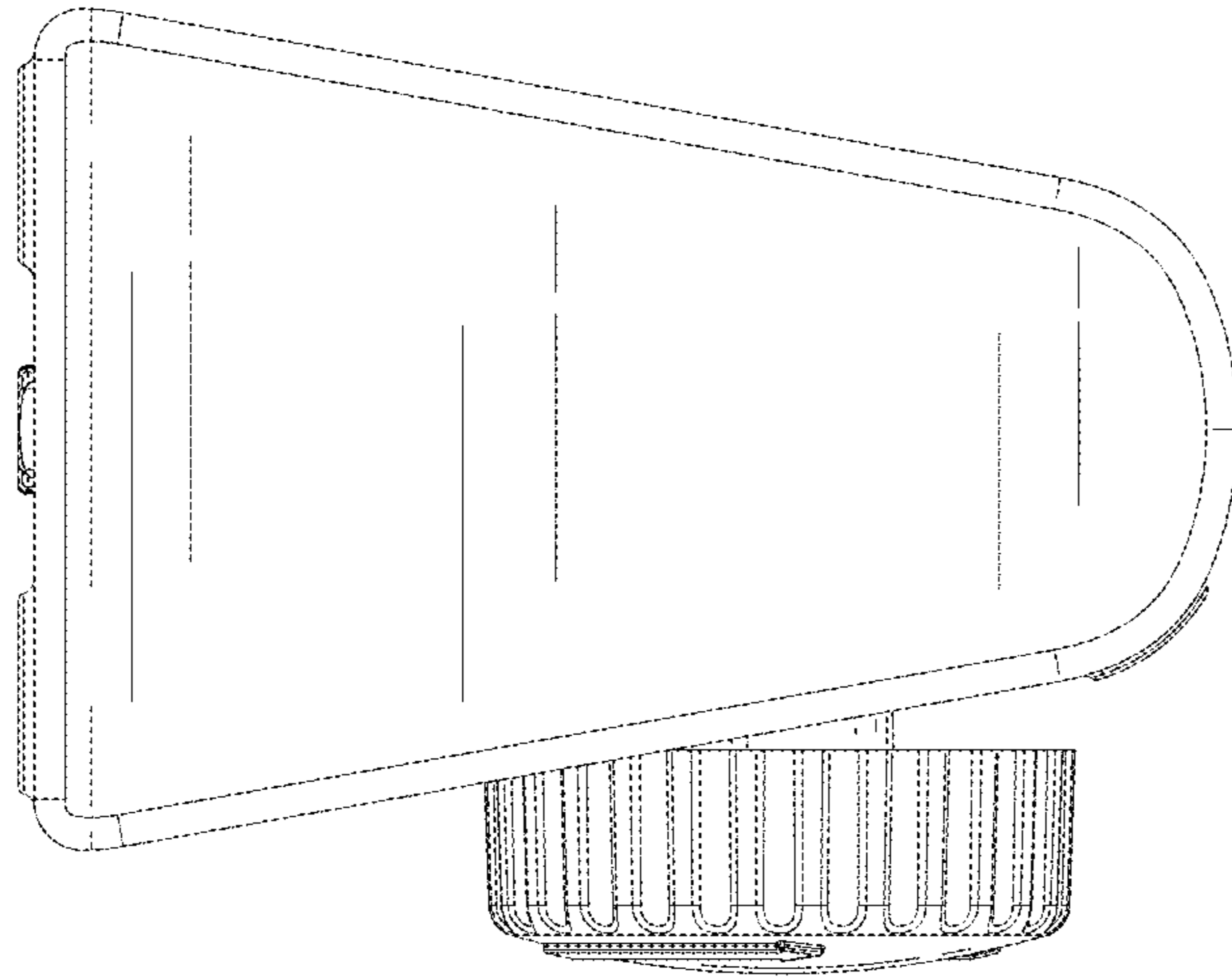


FIG. 7



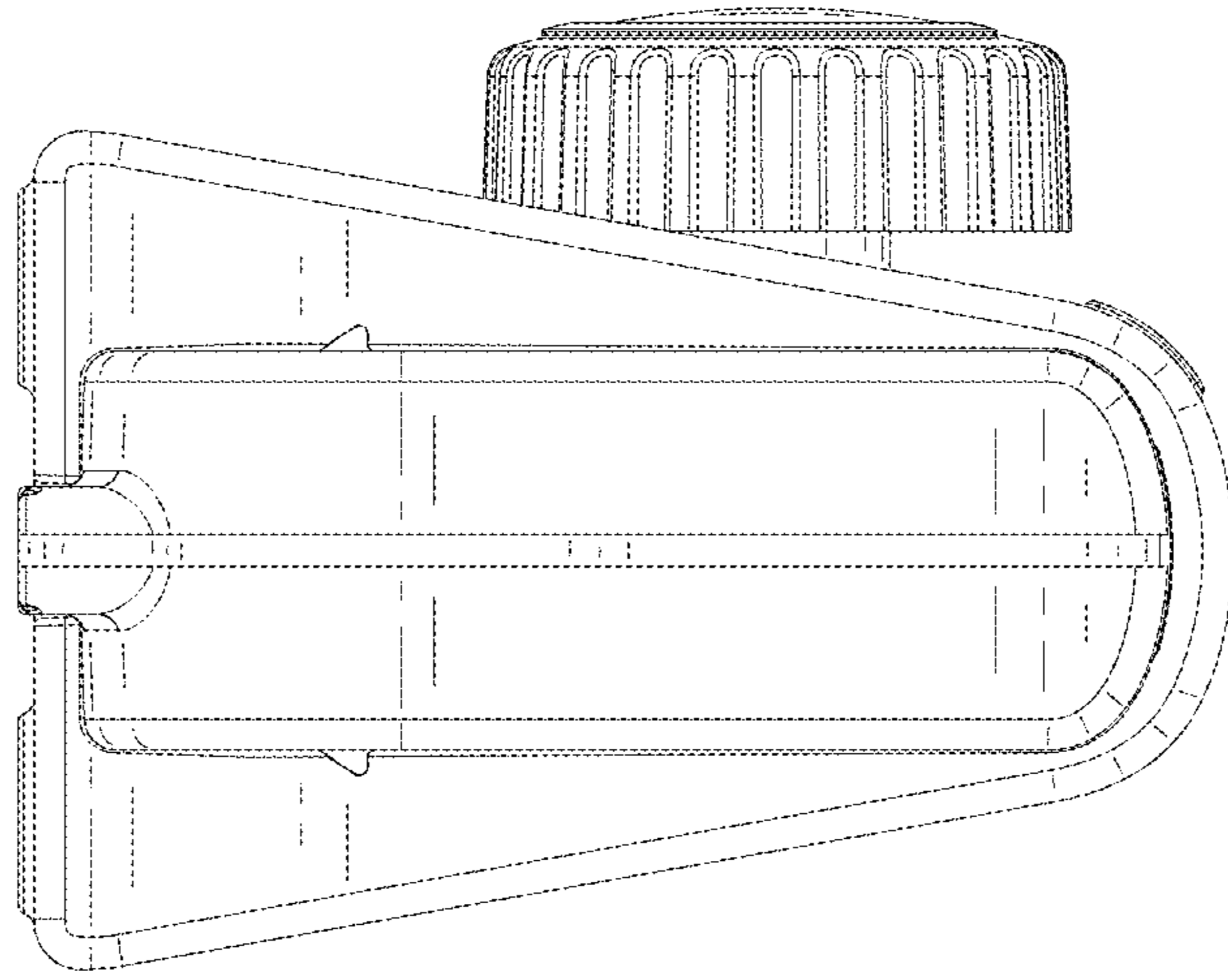


FIG. 8

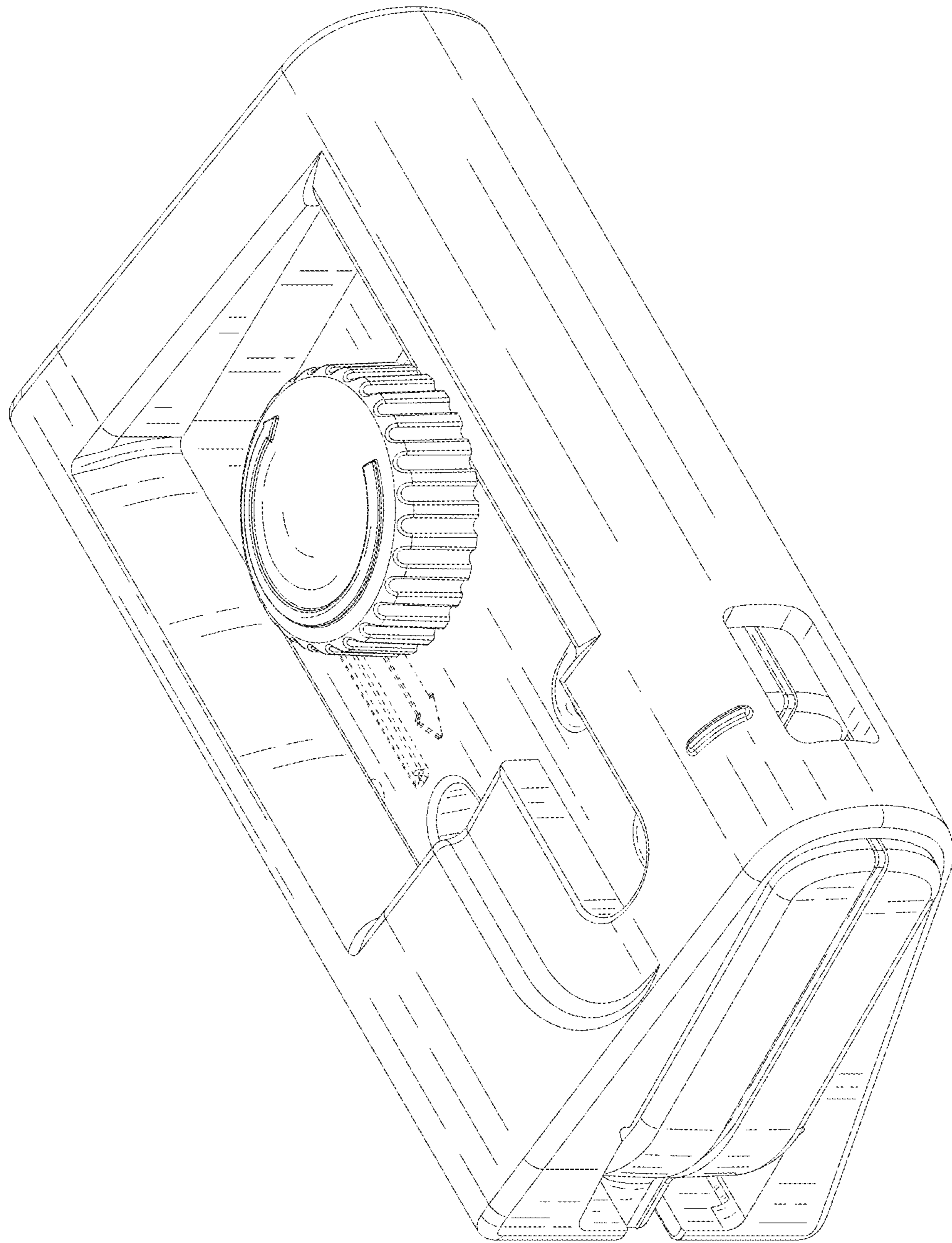


FIG. 9