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(12) **United States Design Patent** (10) **Patent No.:** **US D963,975 S**
He (45) **Date of Patent:** **** Sep. 13, 2022**

(54) **VACUUM CLEANER**

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

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(51) **LOC (13) Cl.** **15-05**

(52) **U.S. Cl.**
USPC **D32/18; D32/31**

(58) **Field of Classification Search**
USPC D32/17, 18, 21, 22, 31; D21/526
CPC A47L 5/24; A47L 5/28; A47L 5/30; A47L 5/34; A47L 5/36; A47L 9/04; A47L 9/102; A47L 9/106; A47L 11/30; A47L 11/302; A47L 11/4005; A47L 11/4008; A47L 11/4044; B04C 5/185; B23Q 11/0046; B23Q 11/0071; E04H 4/1636
See application file for complete search history.

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(Continued)

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(57) **CLAIM**

I claim the ornamental design for a vacuum cleaner, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a vacuum cleaner, showing the new design;

FIG. 2 is a top plan view thereof;

FIG. 3 is a bottom plan view thereof;

FIG. 4 is a left-side, elevational view thereof;

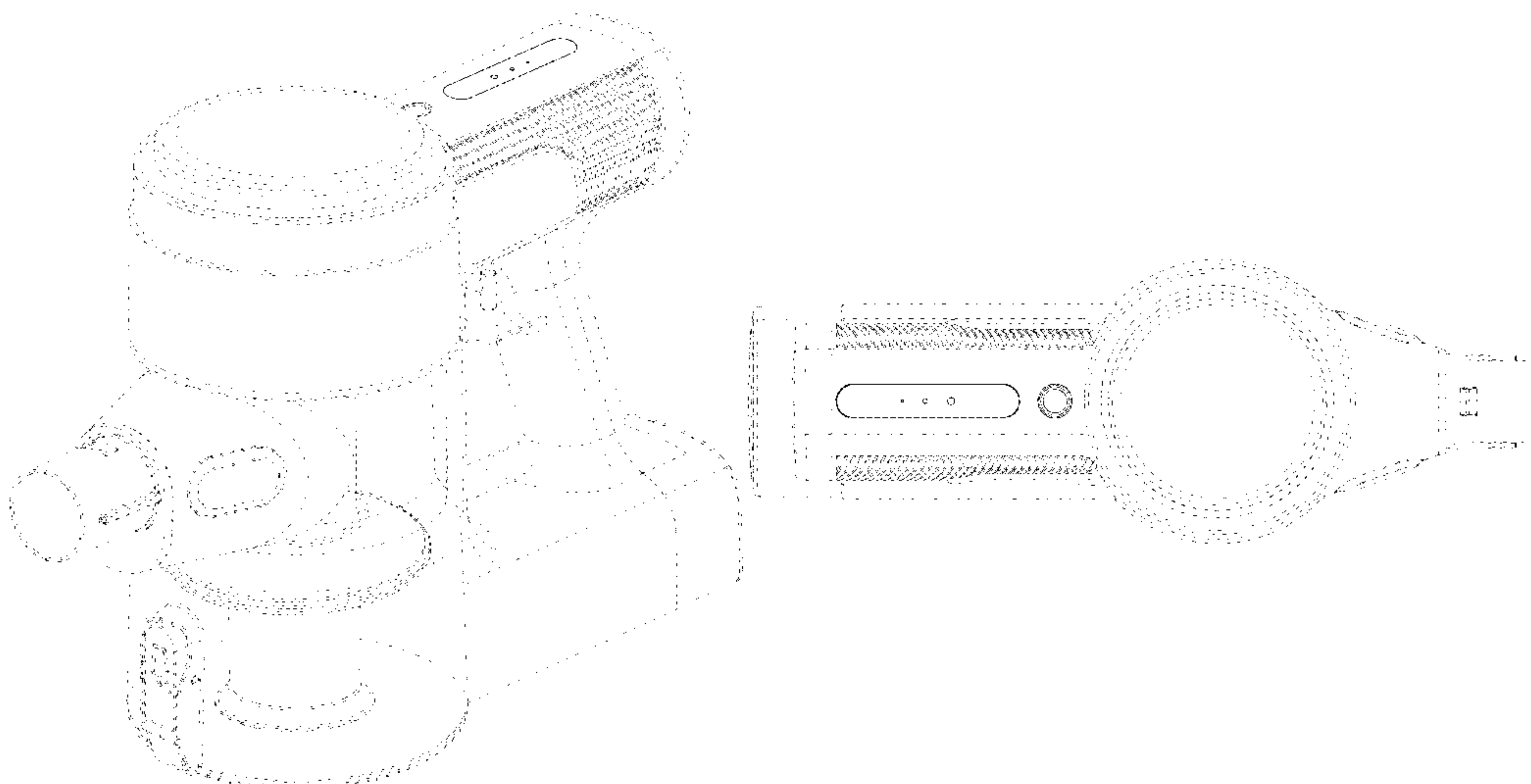
FIG. 5 is a right-side, elevational view thereof;

FIG. 6 is a front elevational view thereof; and,

FIG. 7 is a rear elevational view thereof.

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

1 Claim, 6 Drawing Sheets



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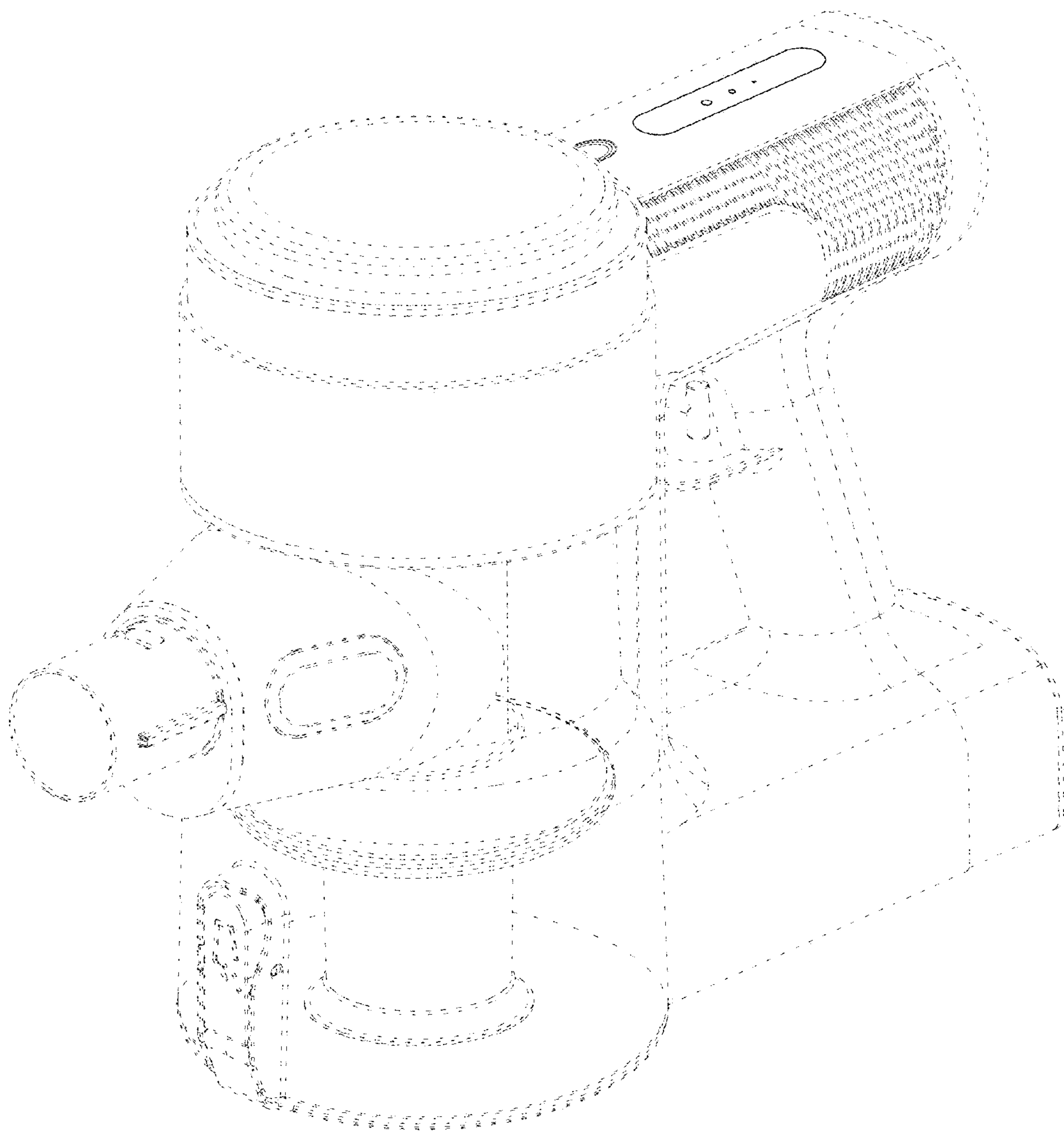


FIG.1

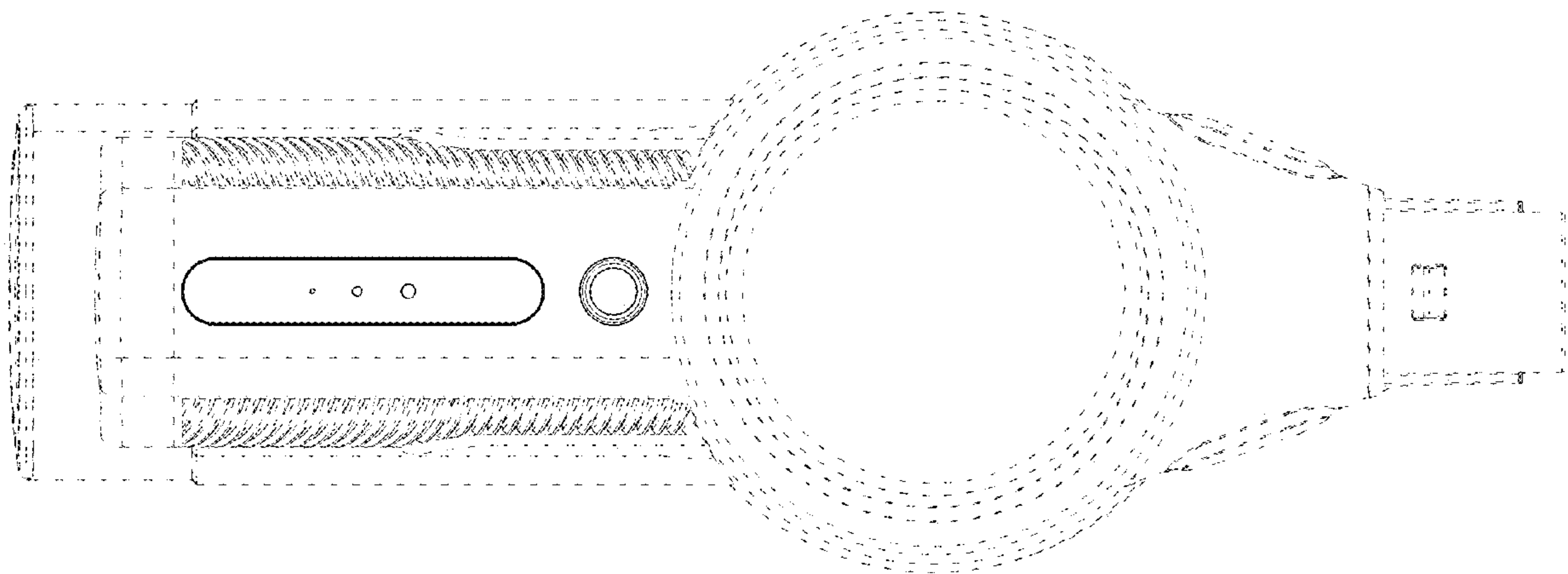


FIG.2

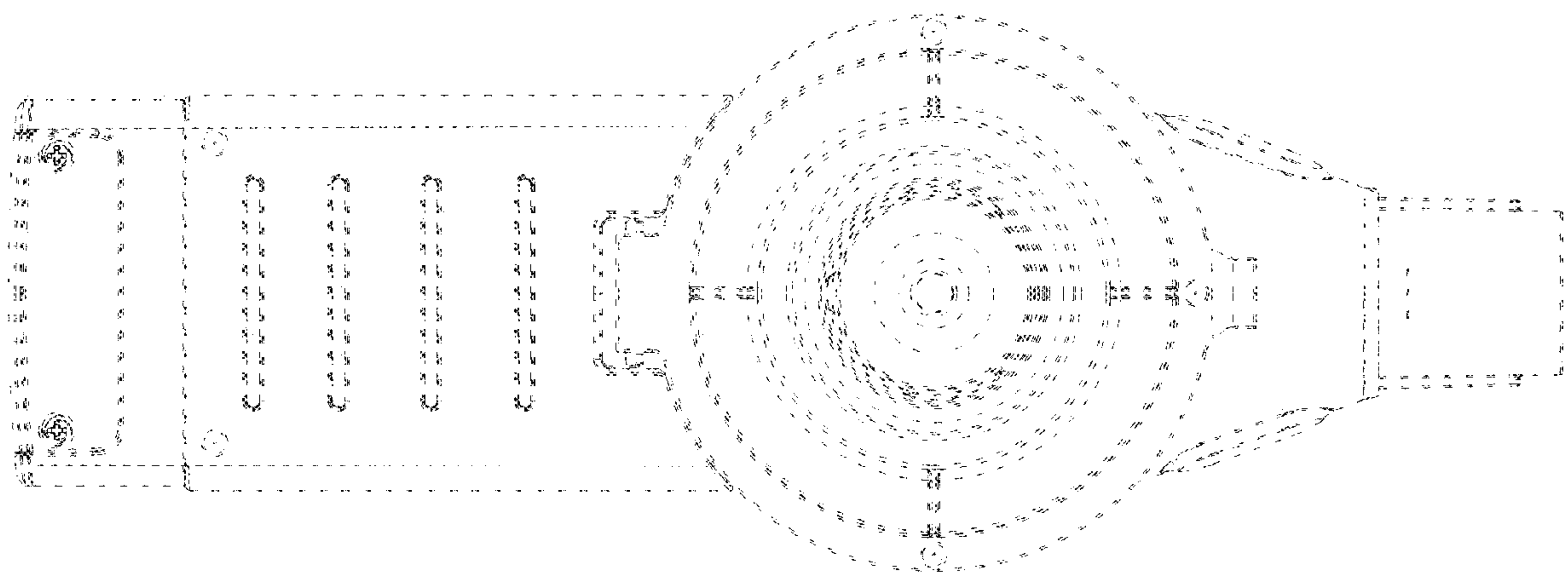


FIG.3

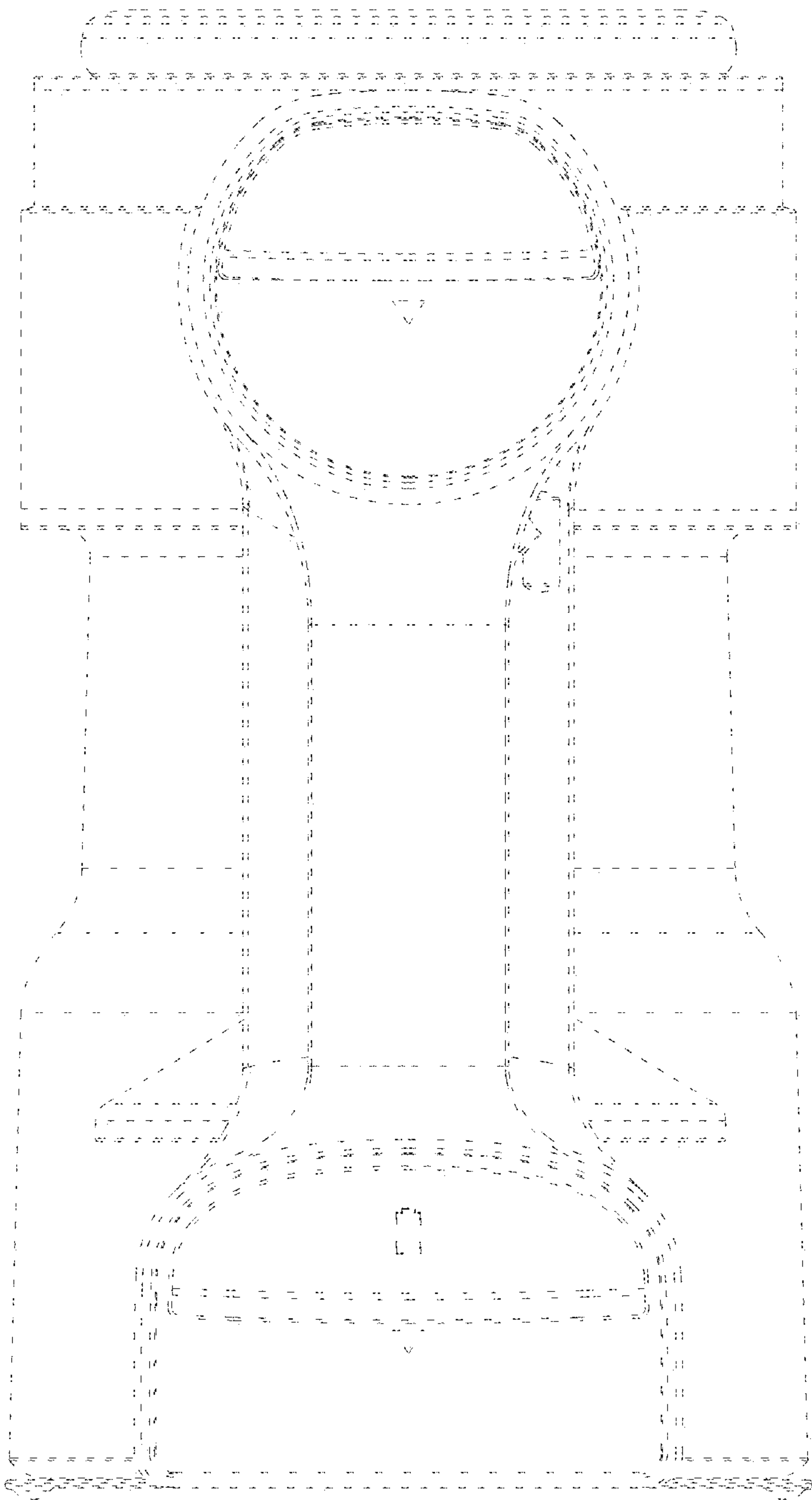


FIG.4

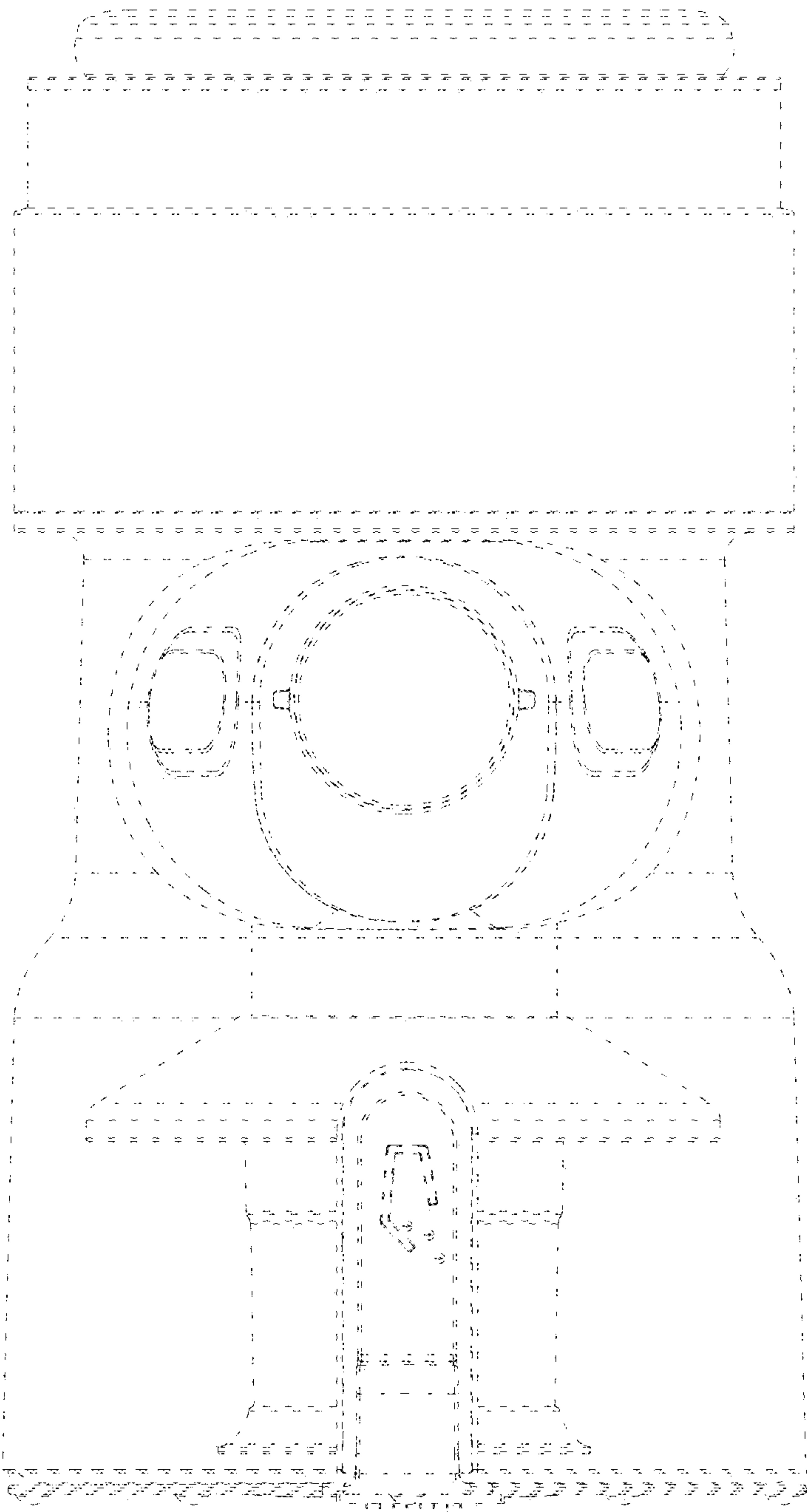


FIG.5

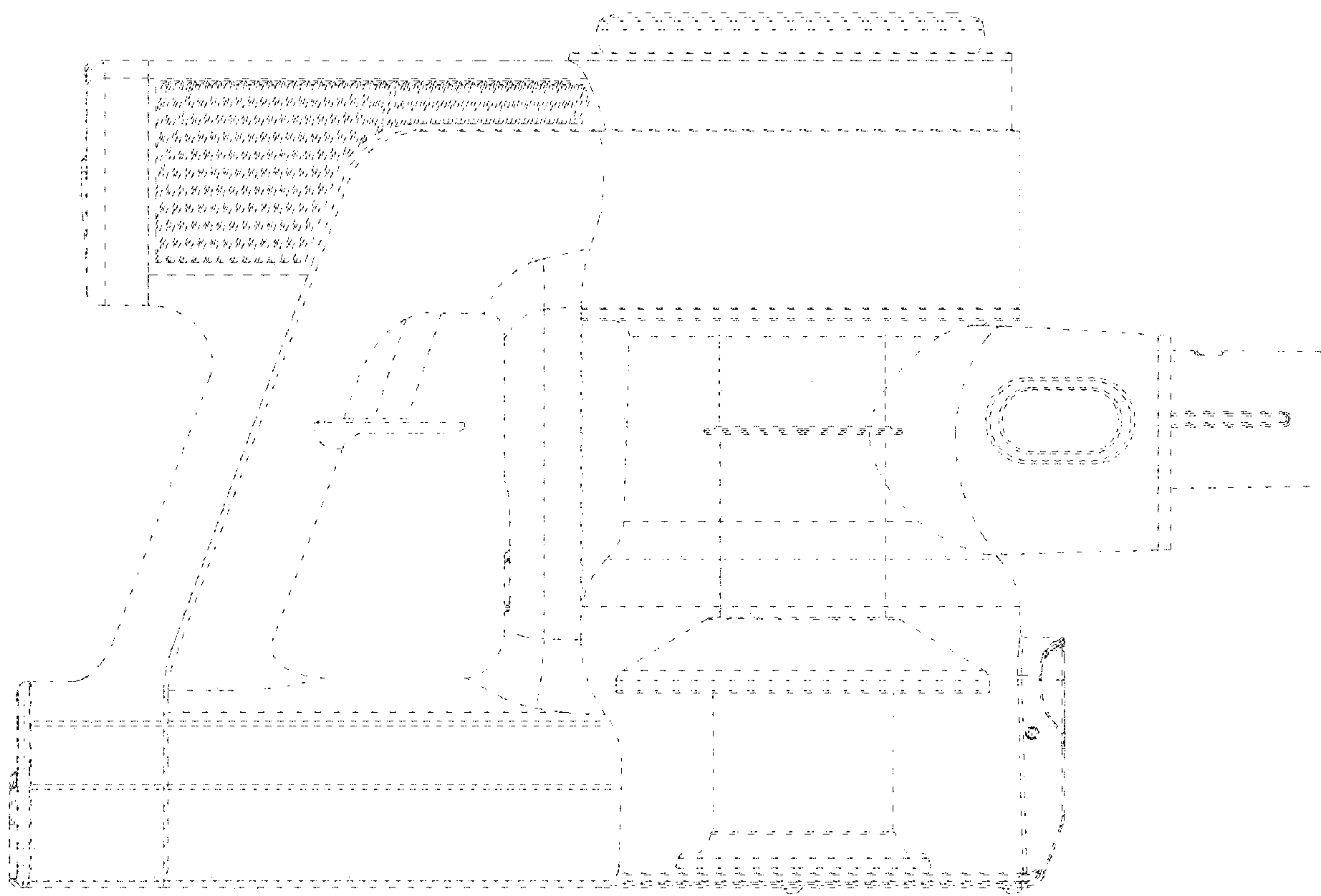


FIG.6

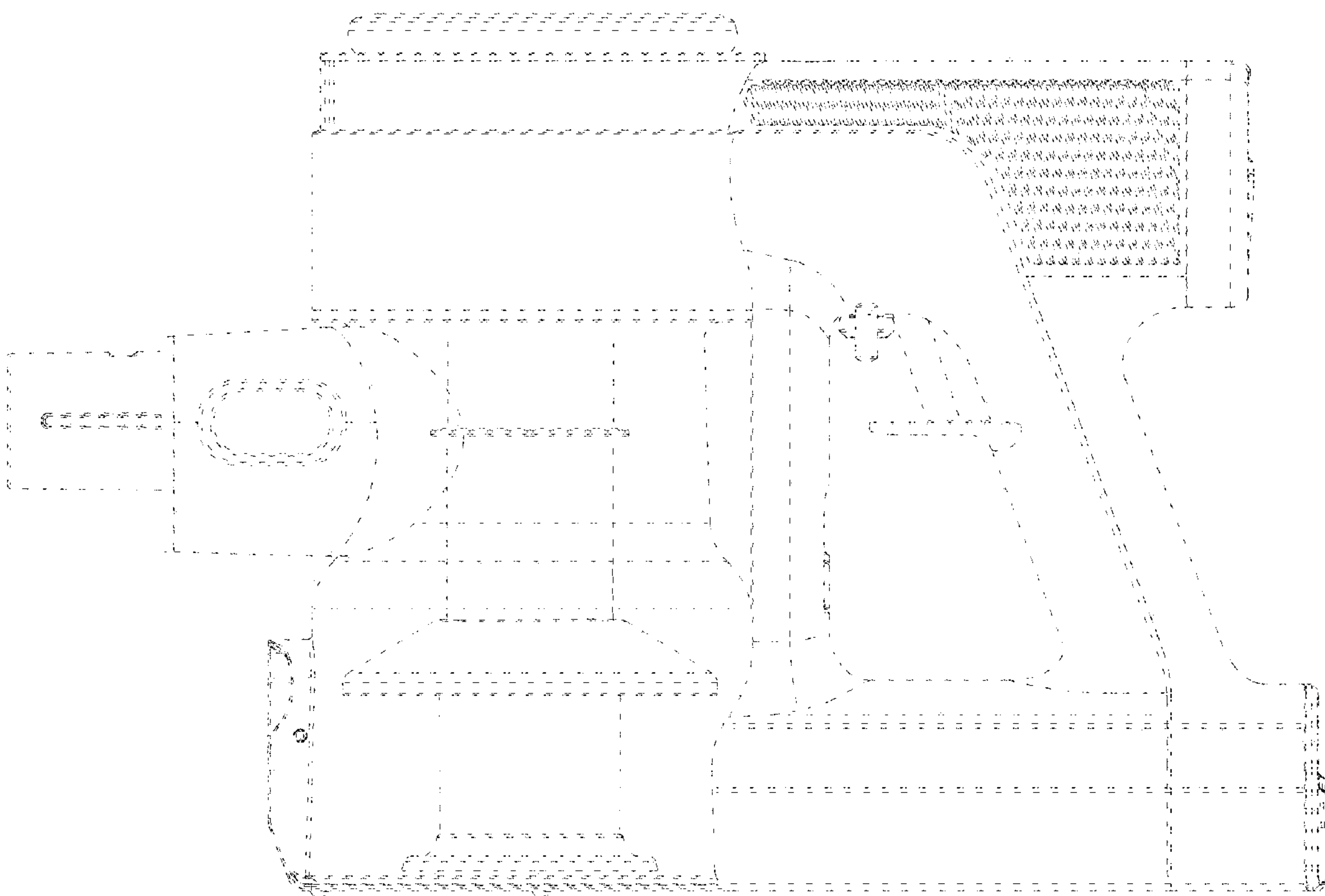


FIG.7