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(12) **United States Design Patent**
Shin et al.

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- (54) **VACUUM CLEANER**
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- (51) **LOC (10) Cl.** **15-05**
- (52) **U.S. Cl.**
USPC **D32/18**
- (58) **Field of Classification Search**
None
See application file for complete search history.

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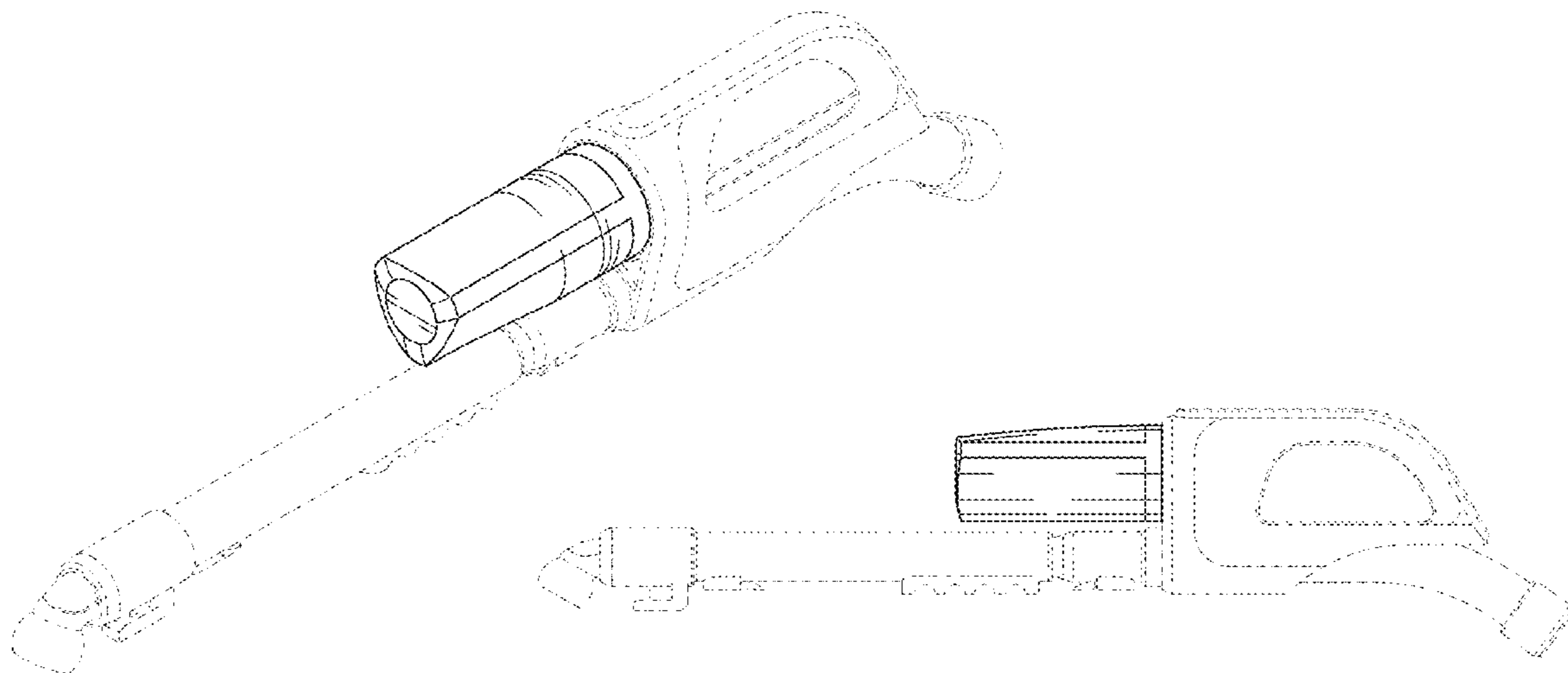
Primary Examiner — Ruth McInroy
(74) *Attorney, Agent, or Firm* — NSIP Law

(57) **CLAIM**
The ornamental design for a vacuum cleaner, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a vacuum cleaner, showing our new design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a left-side view thereof;
FIG. 5 is a right-side view thereof;
FIG. 6 is a top plan view thereof;
FIG. 7 is a bottom plan view thereof; and,
FIG. 8 is a right-side view of the vacuum cleaner of FIG. 1, in which broken lines illustrating portions of the vacuum cleaner are for environmental purposes only and form no part of the claimed design.
The broken lines are for environmental purposes only and form no part of the claimed design.

1 Claim, 5 Drawing Sheets



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FIG. 1

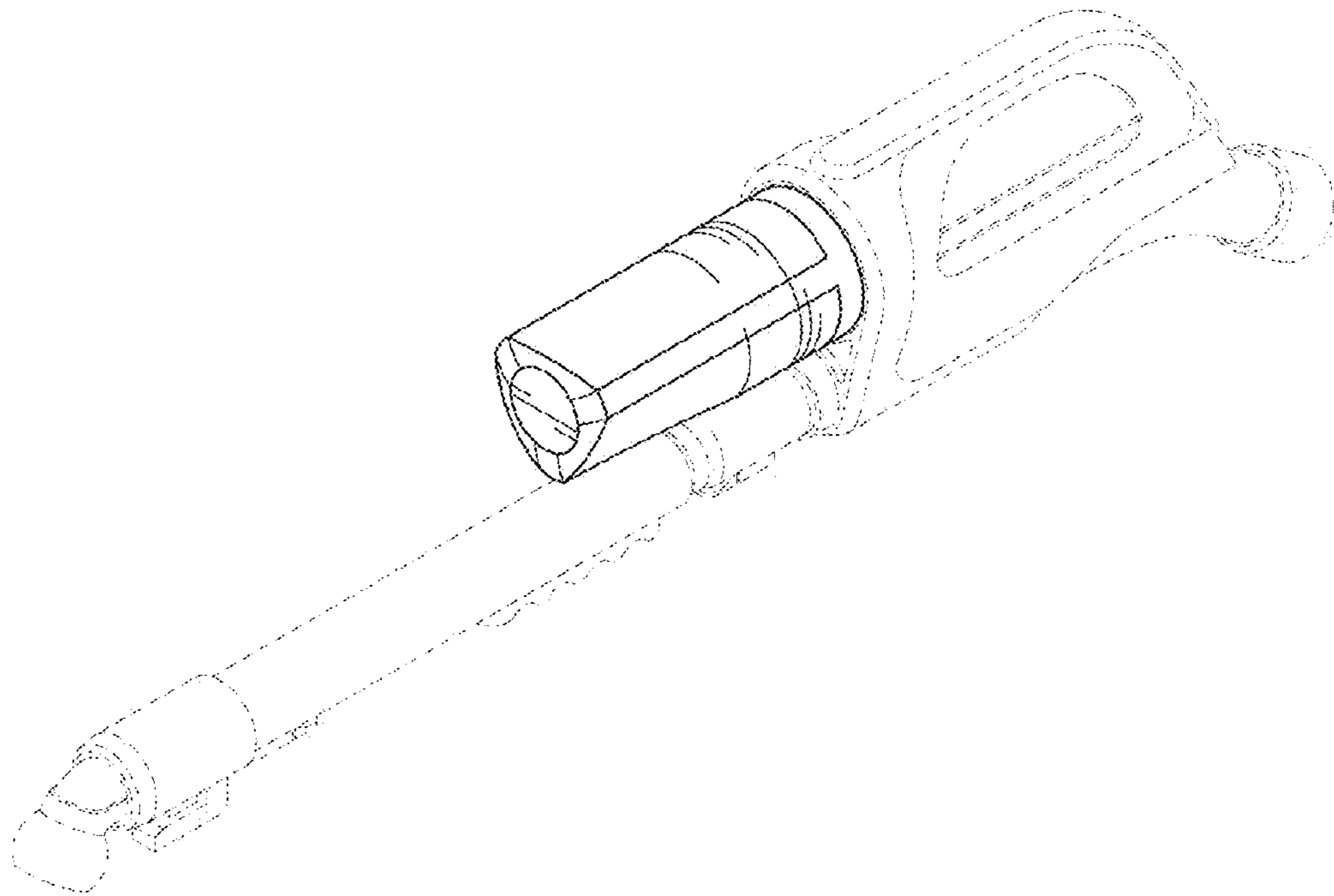


FIG. 2

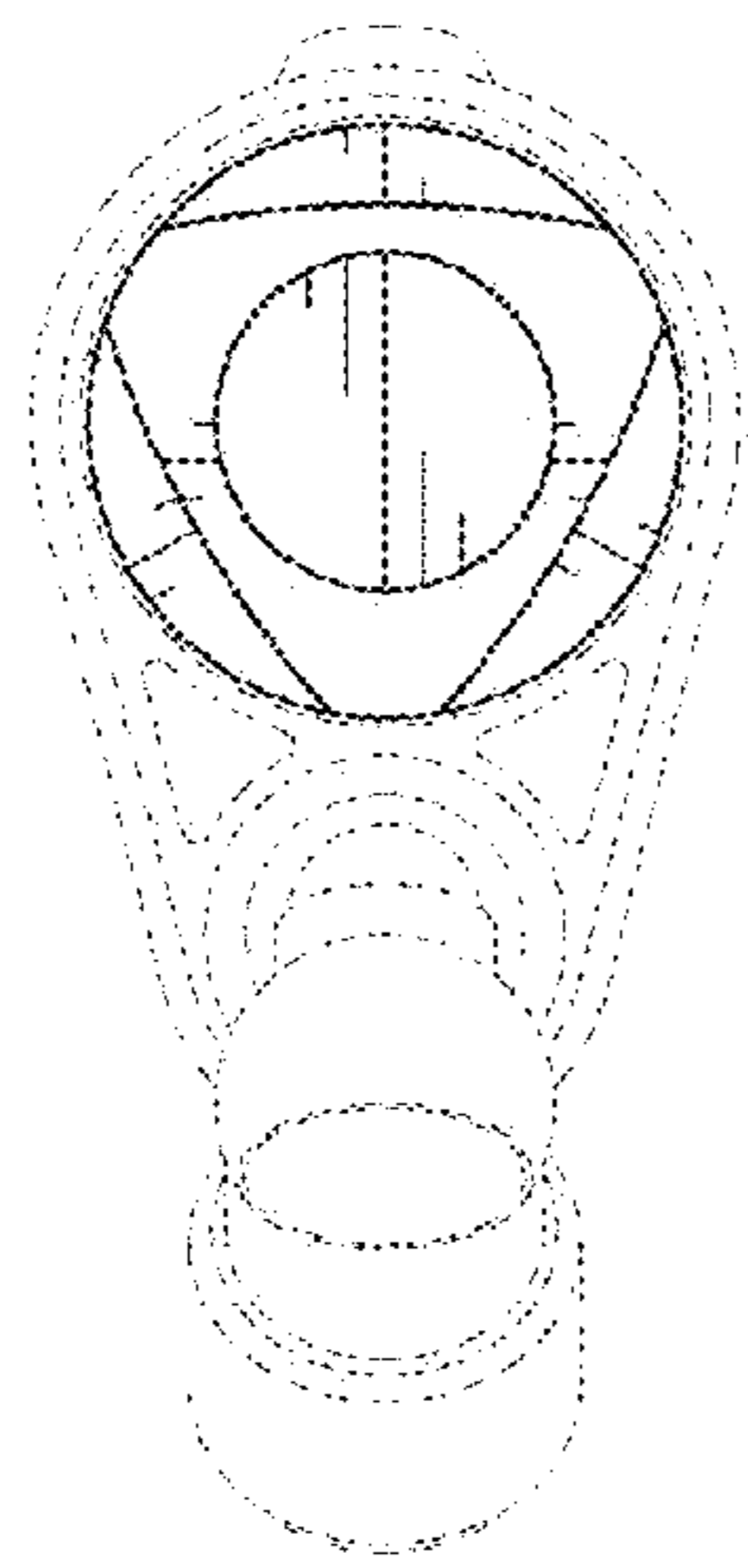


FIG. 3

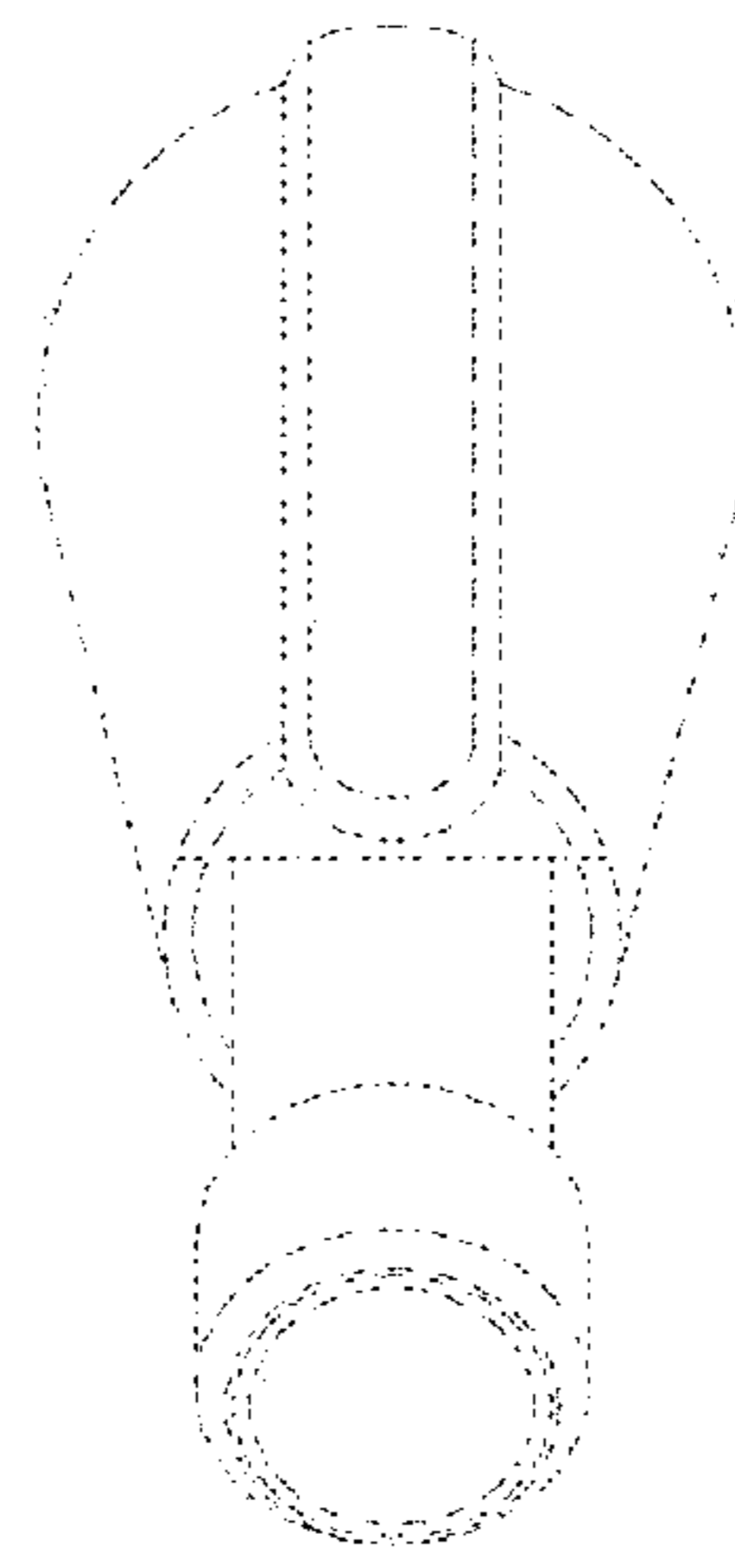


FIG. 4

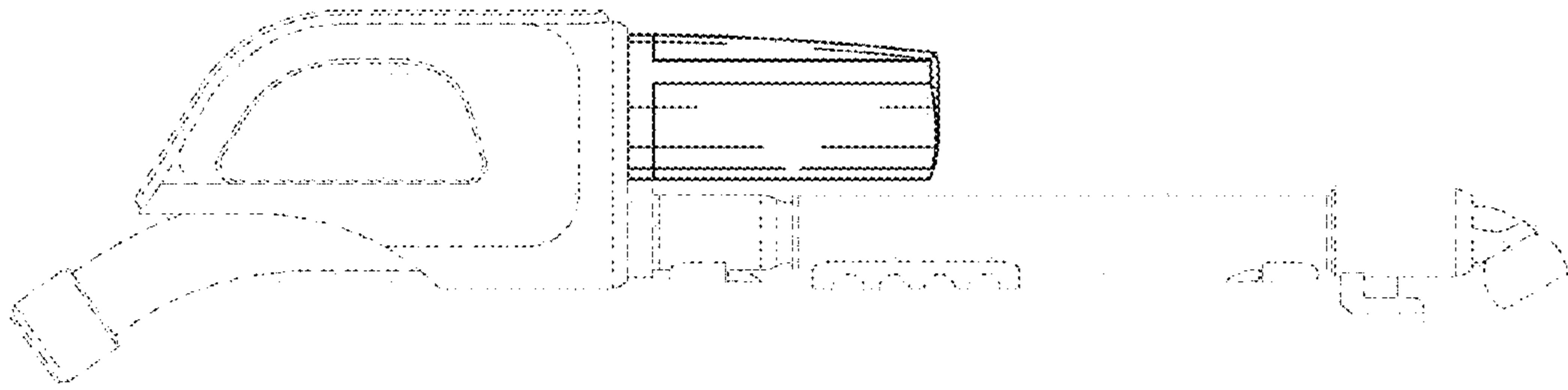


FIG. 5

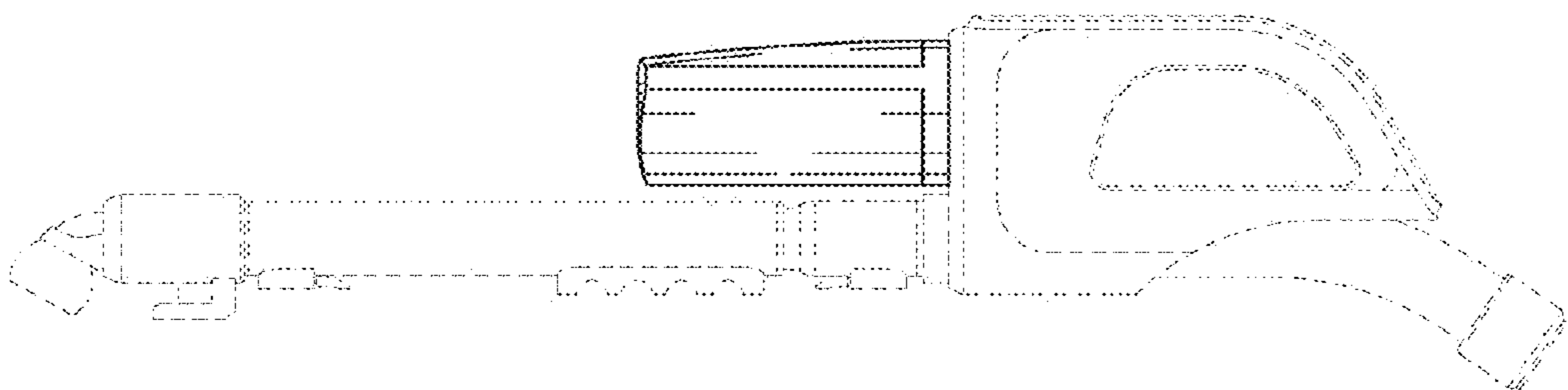


FIG. 6

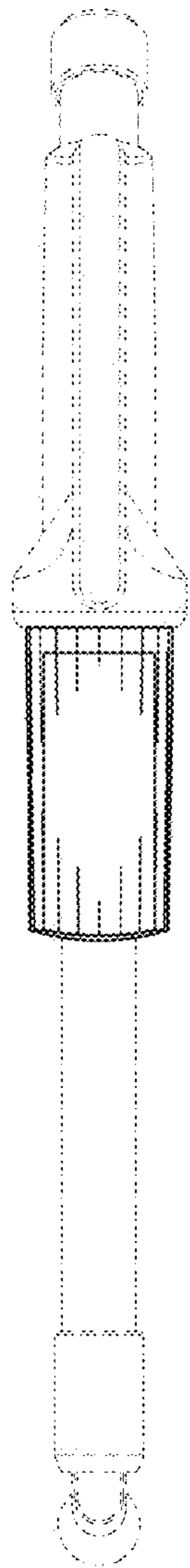


FIG. 7

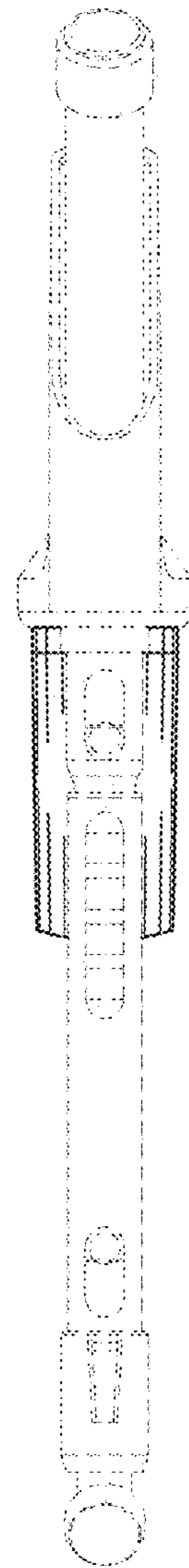


FIG. 8

