



US00D847881S

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

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(54) **AIR-OPERATED GRINDING DEVICE**

(56) **References Cited**

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(72) Inventors: **Biao Guo**, Zhejiang (CN); **Yong An Jia**, Zhejiang (CN)

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

(21) Appl. No.: **29/635,250**

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*Primary Examiner* — Khawaja Anwar

(51) **LOC (11) Cl.** ..... **15-03**

(52) **U.S. Cl.**  
USPC ..... **D15/124**

(57) **CLAIM**

(58) **Field of Classification Search**  
USPC ..... D15/122, 123, 124, 138  
CPC ..... B24B 23/04; B24B 23/005; B24B 45/006;  
B24B 23/02; B24B 23/028; B24B 23/08;  
B24B 55/102; B24B 9/007; B24B 19/14;  
B24B 21/04; B24B 21/08; B24B 21/18;  
B24B 23/03; B24B 23/06; B24B 27/0015;  
B24B 27/0038; B24B 27/0069; B24B  
27/0084; B24B 29/00; B24B 37/04; B24B  
37/22; B24B 37/30; B24B 41/007; B24B  
41/042; B24B 41/06; B24B 41/068; B24B  
47/10; B24B 47/12; B24B 49/04; B24B  
49/16; B24B 55/00; B24B 55/10; B24B  
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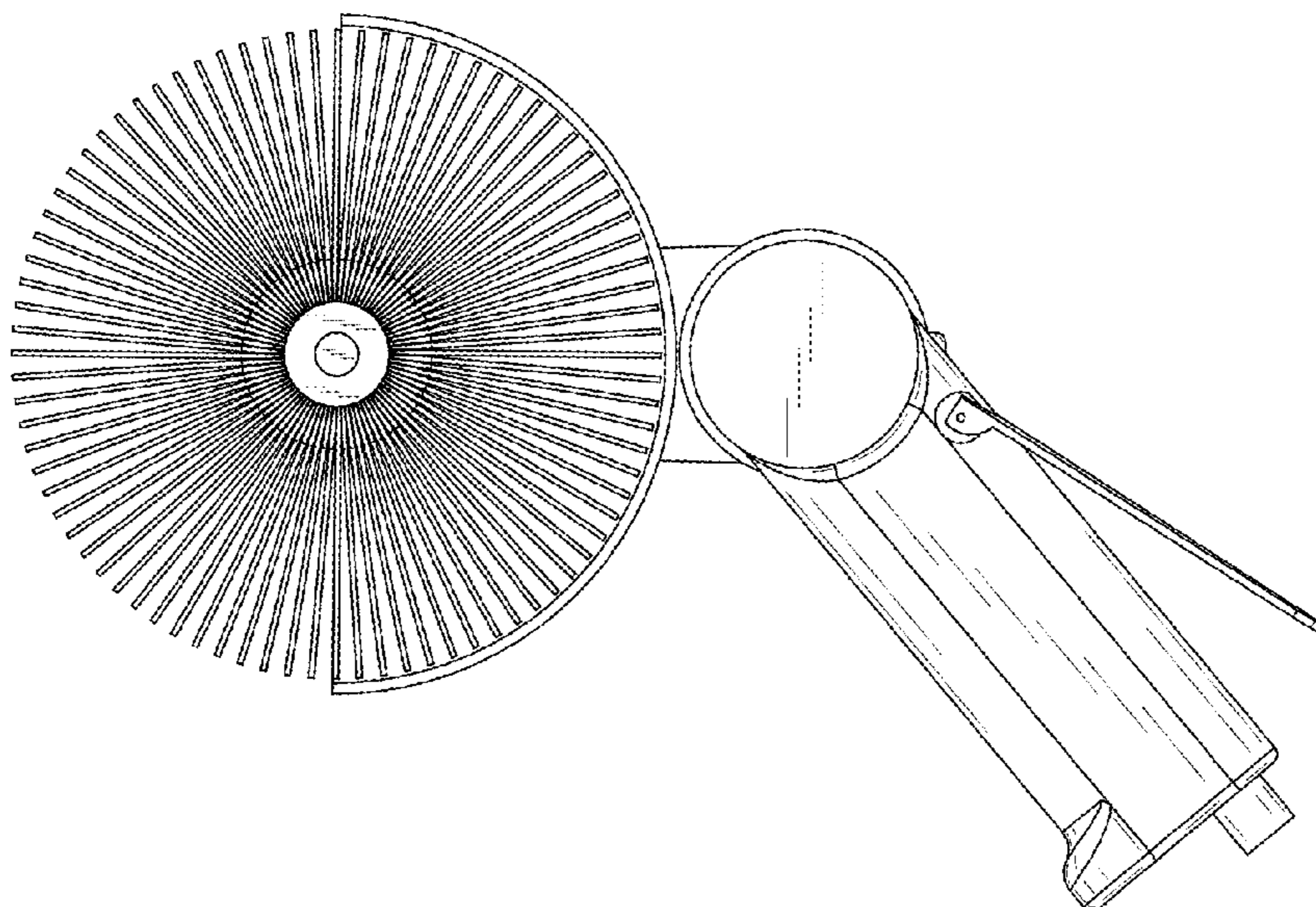
The ornamental design for air-operated grinding device, as shown and described.

**DESCRIPTION**

FIG. 1 is a front view of the air-operated grinding device showing our new design;  
FIG. 2 is a back view thereof;  
FIG. 3 is a left side view thereof;  
FIG. 4 is a right side view thereof;  
FIG. 5 is a top view thereof;  
FIG. 6 is a bottom view thereof;  
FIG. 7 is a perspective view thereof; and,  
FIG. 8 is another perspective view thereof.

See application file for complete search history.

**1 Claim, 6 Drawing Sheets**



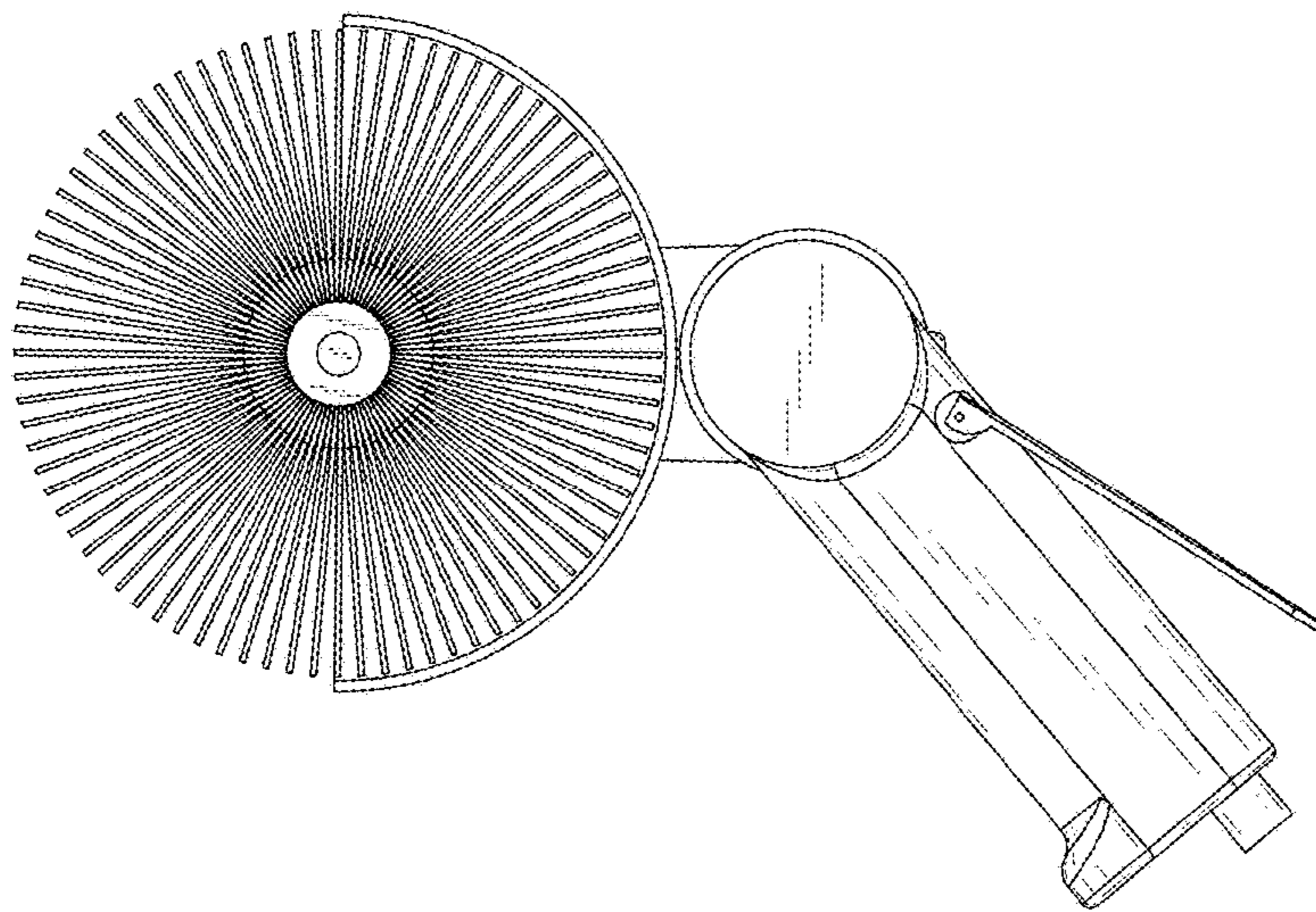


Fig.1

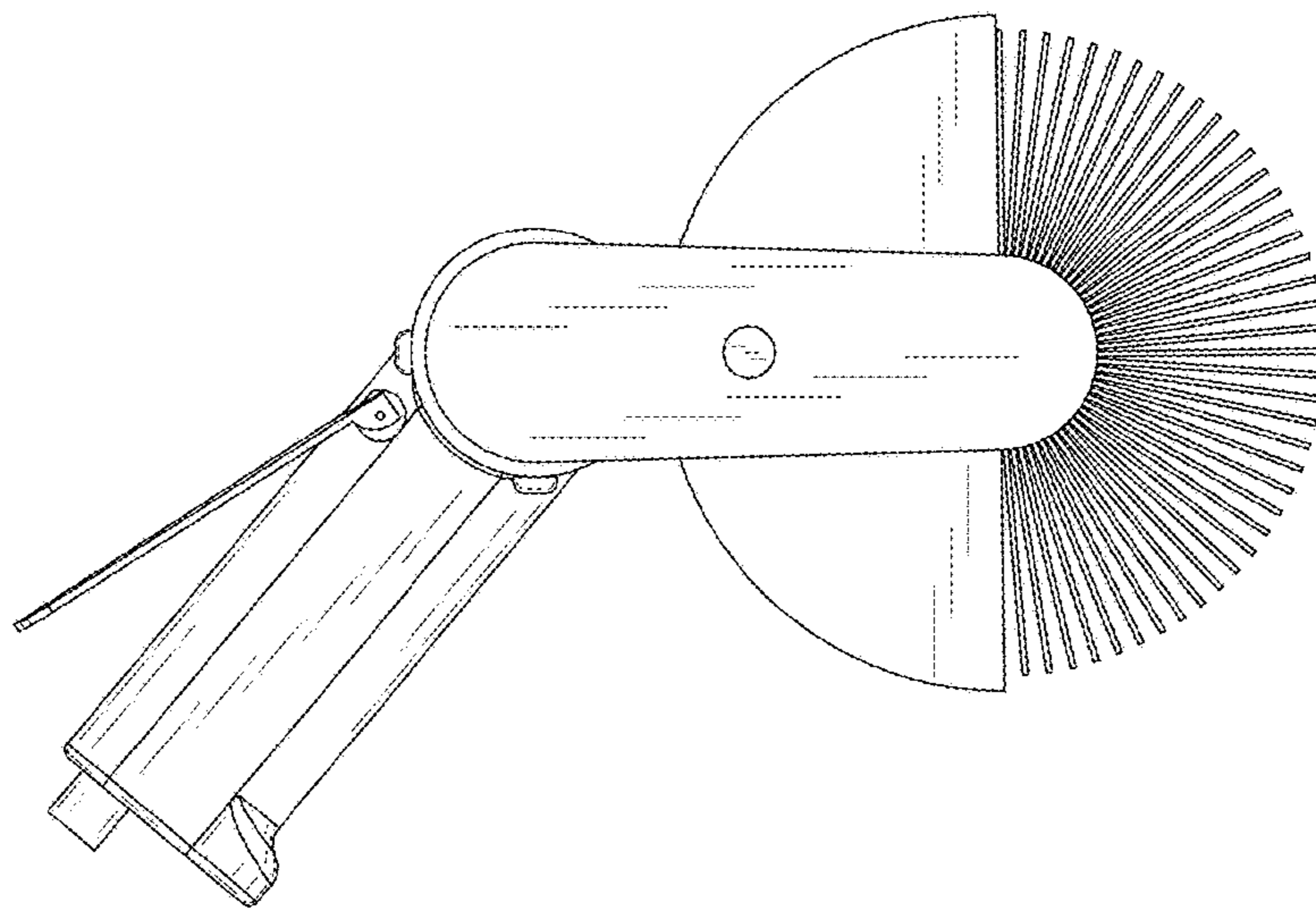


Fig.2

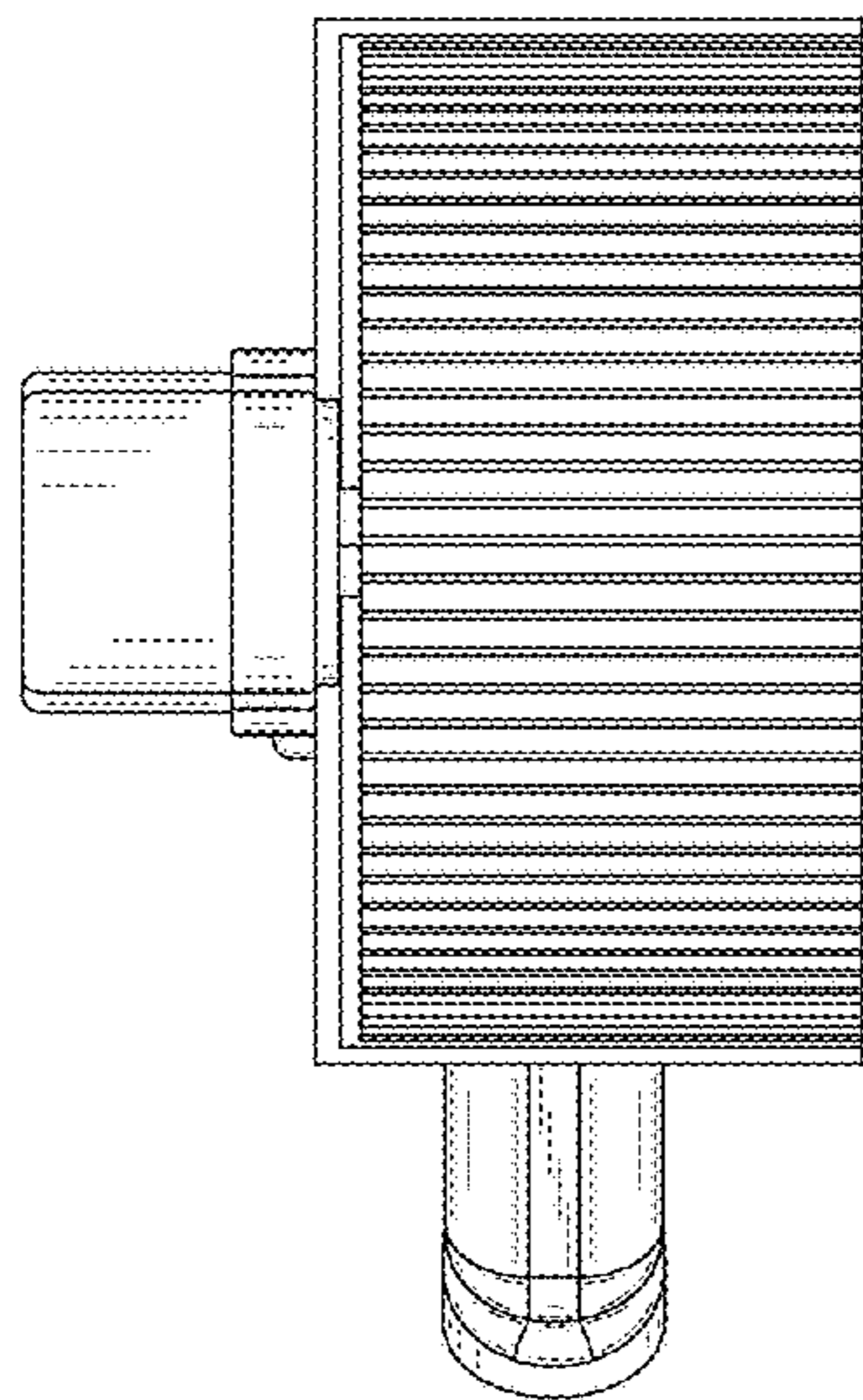


Fig.3

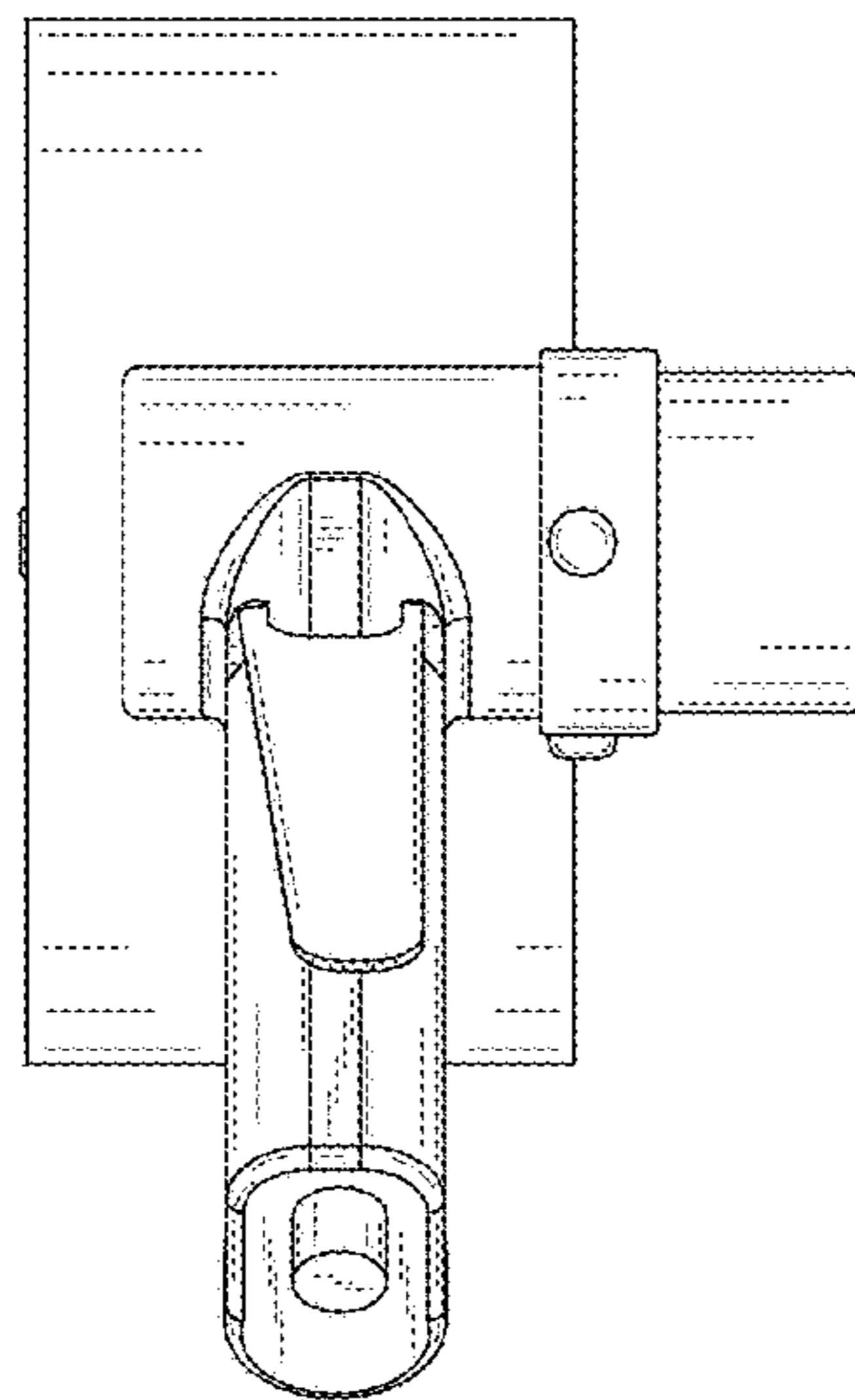
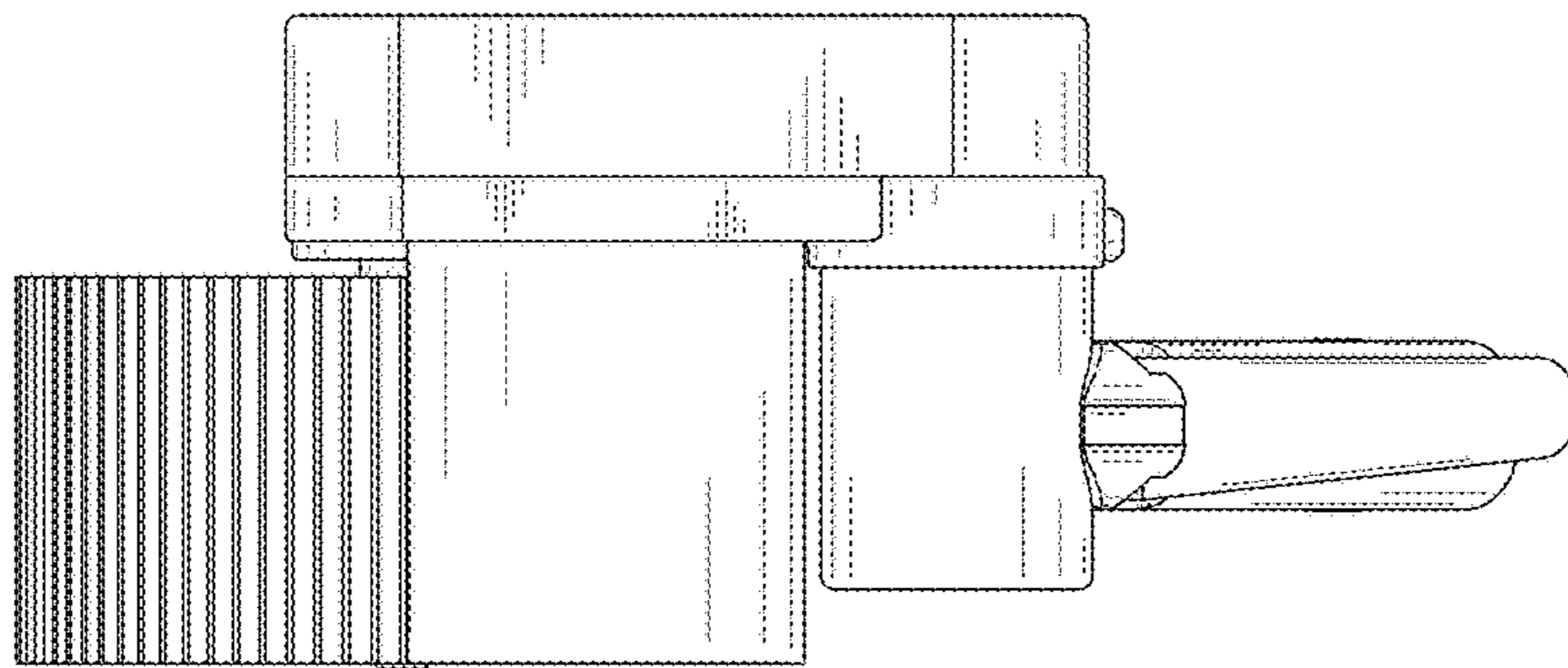
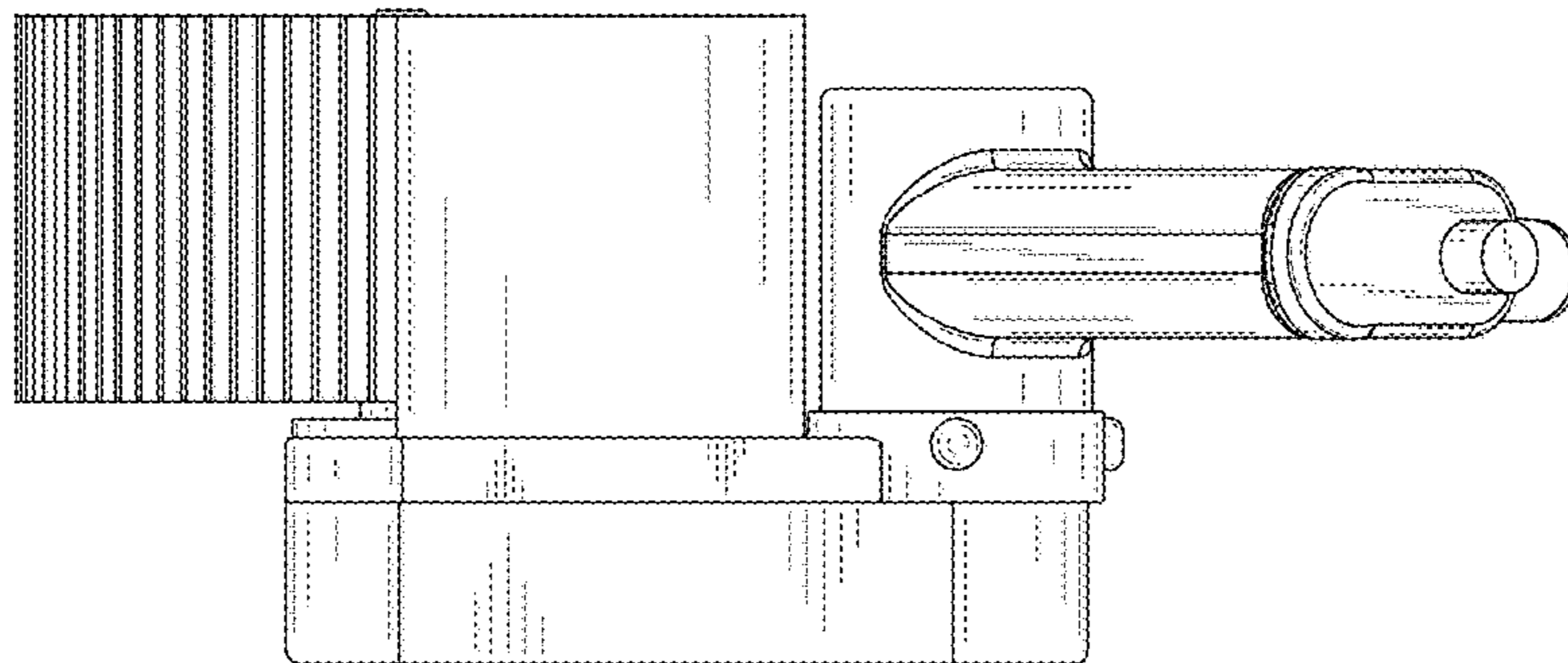


Fig.4





*Fig.5*



*Fig.6*

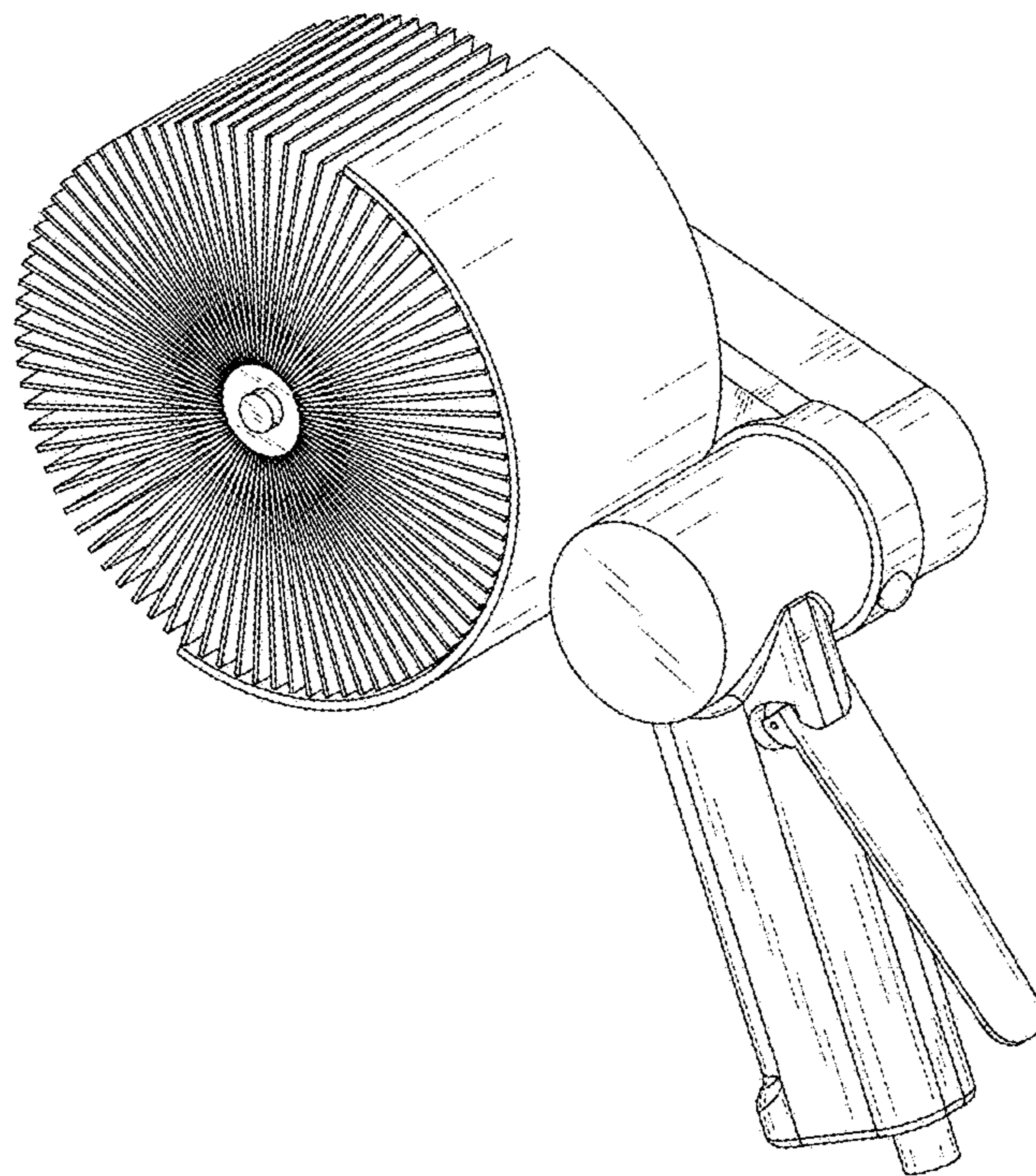
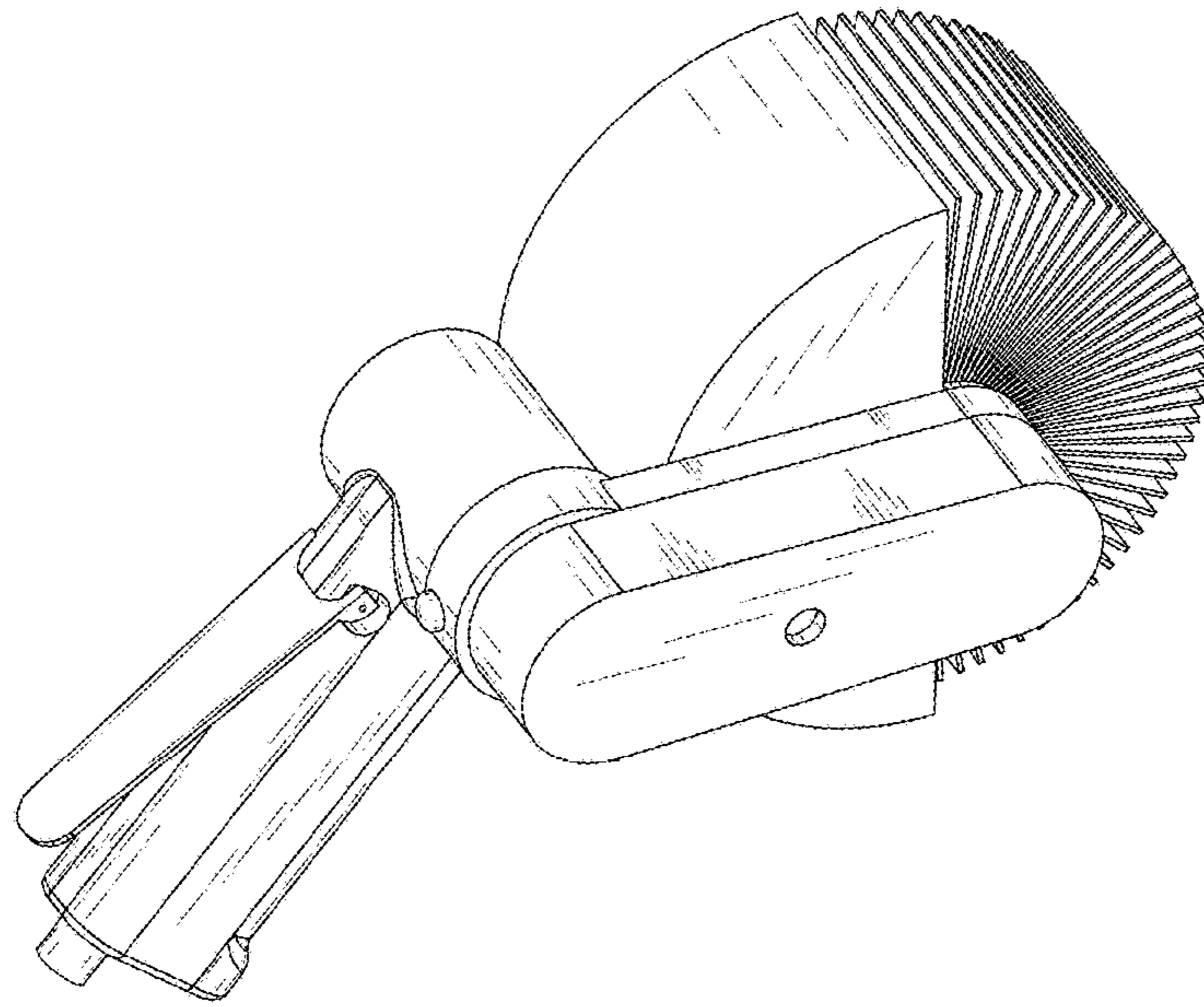


Fig.7



*Fig.8*