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

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(54) **WELDING NOZZLE CLEANER**
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(JP)

D567,267 S * 4/2008 Minor D15/138
D629,025 S * 12/2010 Greenleaf D15/138
D629,430 S * 12/2010 Harada D15/138
(Continued)

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(JP)

FOREIGN PATENT DOCUMENTS

JP 06079462 A * 3/1994
JP 06238453 A * 8/1994
JP 2011000596 A * 1/2011

(**) Term: **15 Years**
(21) Appl. No.: **29/734,382**
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OTHER PUBLICATIONS

Fleetfarm.com hornady primer pocket reamer package <https://www.fleetfarm.com/detail/hornady-primer-pocket-reamer-package/0000000377953> (Year: 2022).*
(Continued)

(30) **Foreign Application Priority Data**

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(51) **LOC (13) Cl.** **15-09**

(52) **U.S. Cl.**
USPC **D15/144**

(57) **CLAIM**

The ornamental design for a welding nozzle cleaner, as shown and described.

(58) **Field of Classification Search**
USPC 7/144, 146, 158; 219/136; D15/126,
D15/138, 144, 144.1, 144.2, 199;
D17/99; D24/133

DESCRIPTION

CPC A61B 17/1666; B23B 31/006; B25D 3/00;
B23K 9/328; E21B 10/40
See application file for complete search history.

FIG. 1 is a front elevation view of a welding nozzle cleaner showing my new design, the rear elevation view being a mirror image thereof;
FIG. 2 is an enlarged left side elevation view thereof;
FIG. 3 is an enlarged right side elevation view thereof;
FIG. 4 is a top plan view thereof, the bottom plan view being identical thereto;
FIG. 5 is a bottom, left, front perspective view thereof; and,
FIG. 6 is an enlarged sectional view taken along line 6-6 of FIG. 1.

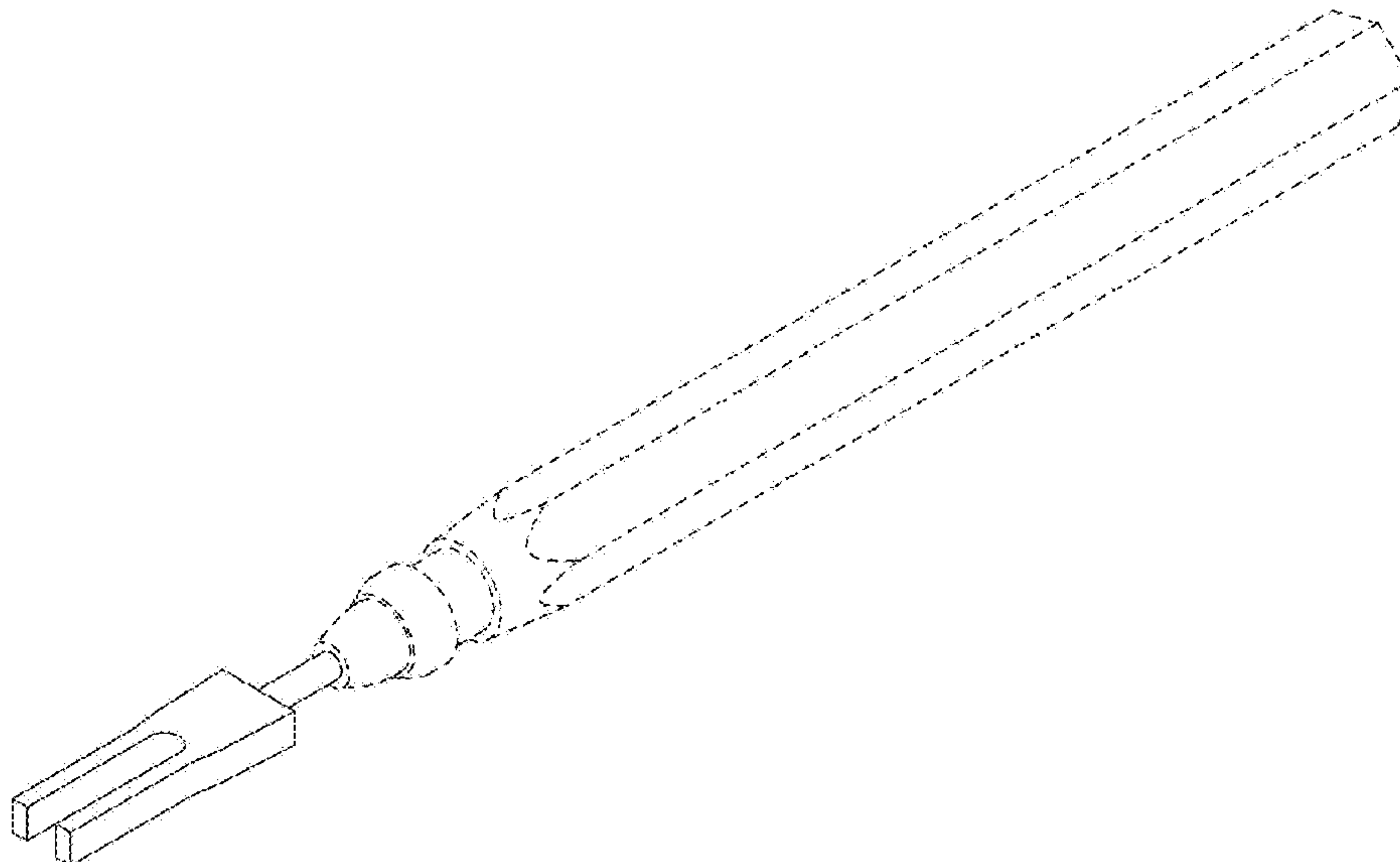
(56) **References Cited**

U.S. PATENT DOCUMENTS

3,053,118 A * 9/1962 Lavallee B23B 31/006
403/279
3,077,938 A * 2/1963 Franklin E21B 10/40
175/407
3,284,608 A * 11/1966 McDonald B23K 9/328
219/137.43
D262,938 S * 2/1982 Schulze D8/70
D269,521 S * 6/1983 Braun D8/30
D385,288 S * 10/1997 Nakagawa D15/138

The broken line showing is for the purpose of illustrating unclaimed portions of the welding nozzle cleaner and forms no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D640,298 S * 6/2011 Launius, Jr. D15/138
D720,785 S * 1/2015 Sato D15/144.2
D790,693 S * 6/2017 Mercer D24/133
D792,493 S * 7/2017 Sato D15/144.1
9,902,055 B1 * 2/2018 Baker B25D 3/00
D846,009 S * 4/2019 Takemura D15/144
D855,089 S * 7/2019 Hopkins D15/138
D868,123 S * 11/2019 Bell D15/144
D897,172 S * 9/2020 Kita D8/30
D901,564 S * 11/2020 Murata D15/144.1
D947,912 S * 4/2022 Kang D15/144
2011/0115342 A1 * 5/2011 Yang H01L 41/04
310/365
2015/0082642 A1 * 3/2015 Raymond B43L 9/04
7/158
2017/0000499 A1 * 1/2017 Crandall A61B 17/1666

OTHER PUBLICATIONS

amazon.com emi medical sensory tuning fork https://www.amazon.com/s?k=emi+medical+sensory+tuning+fork+1024+hz&crd=YGLMYONT02U8&sprefix=emi+medical+sensory%2Caps%2C99&ref=nb_sb_ss_ts-doa-p_1_17 (Year: 2015).*

* cited by examiner

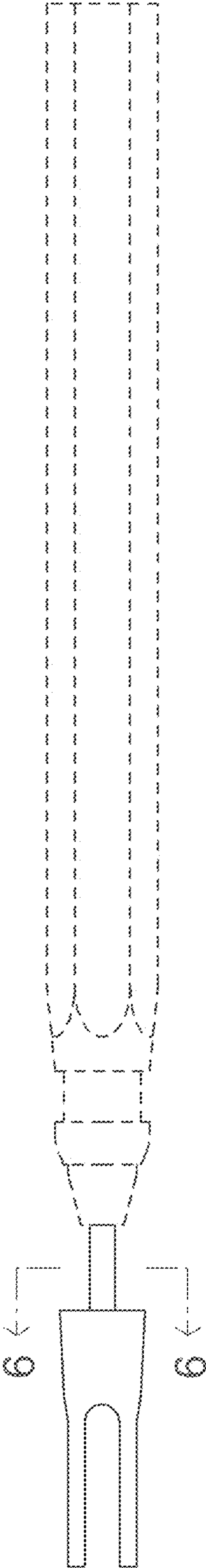


FIG. 1

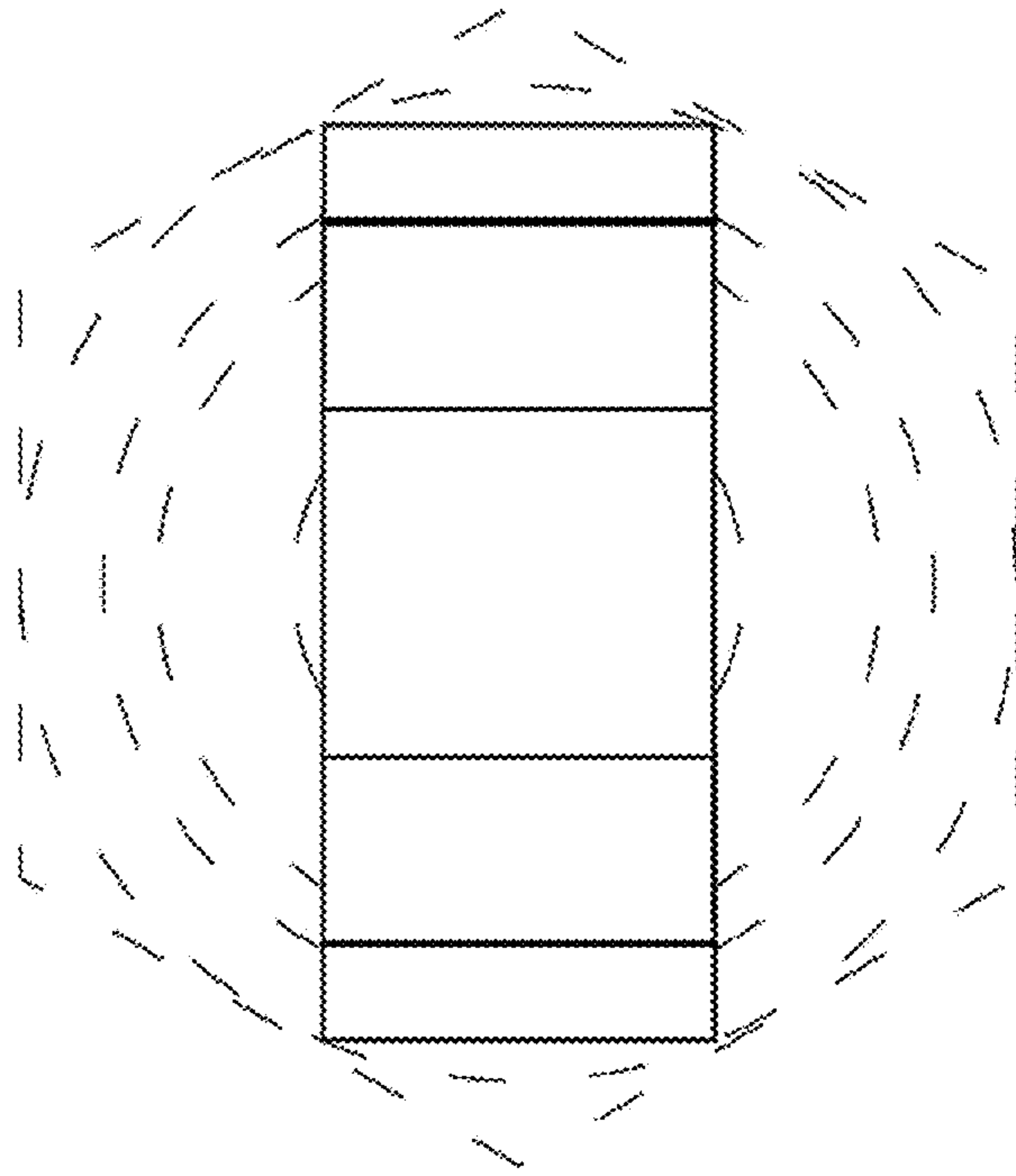


FIG. 2

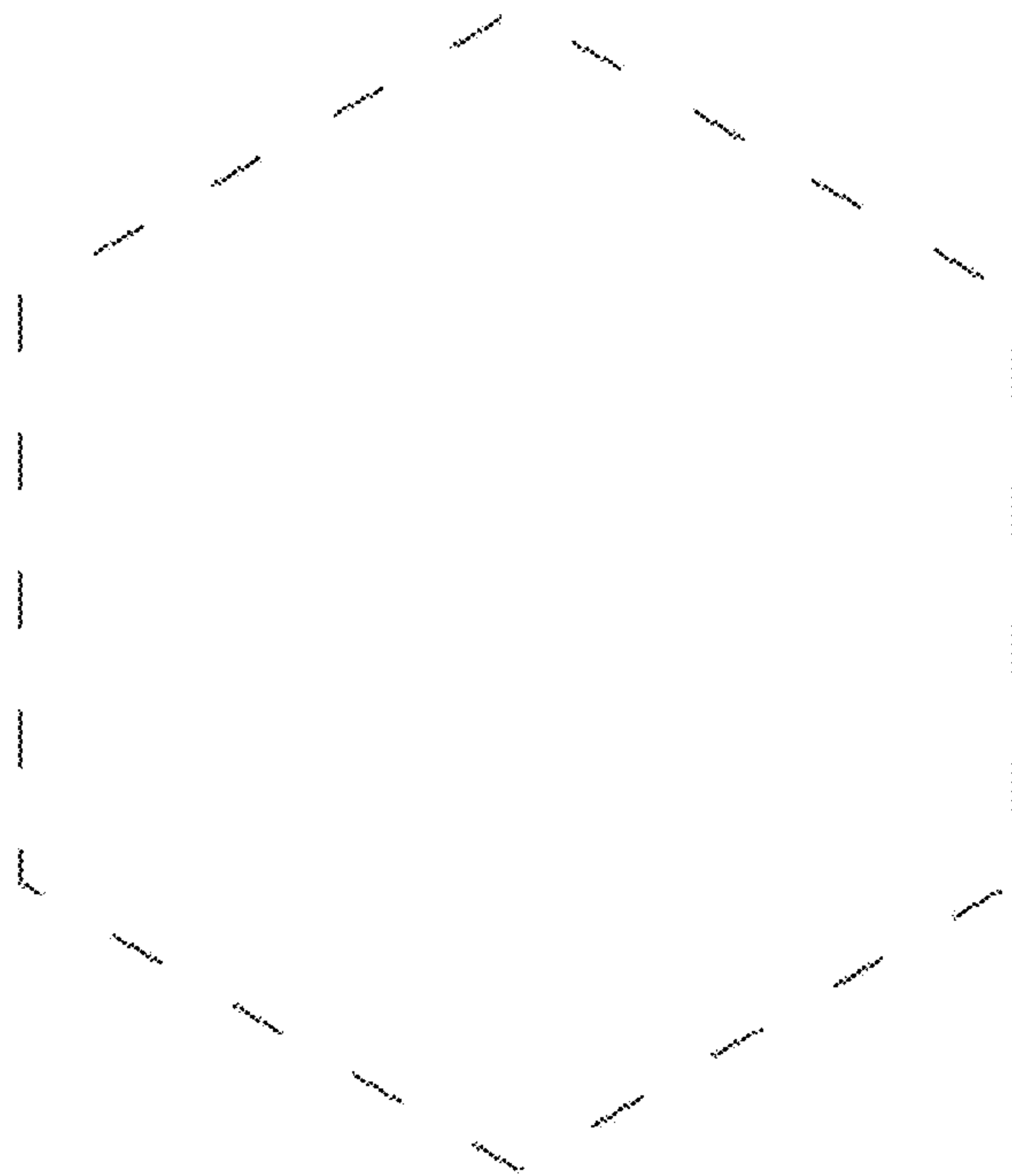


FIG. 3

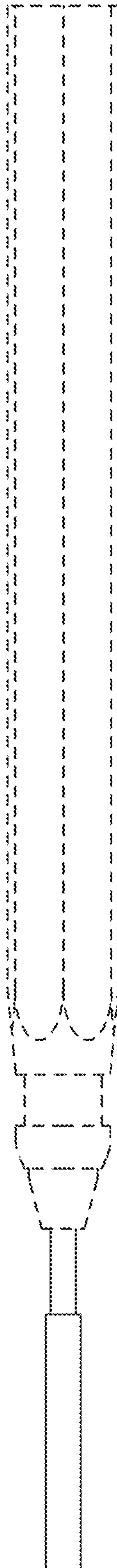


FIG. 4

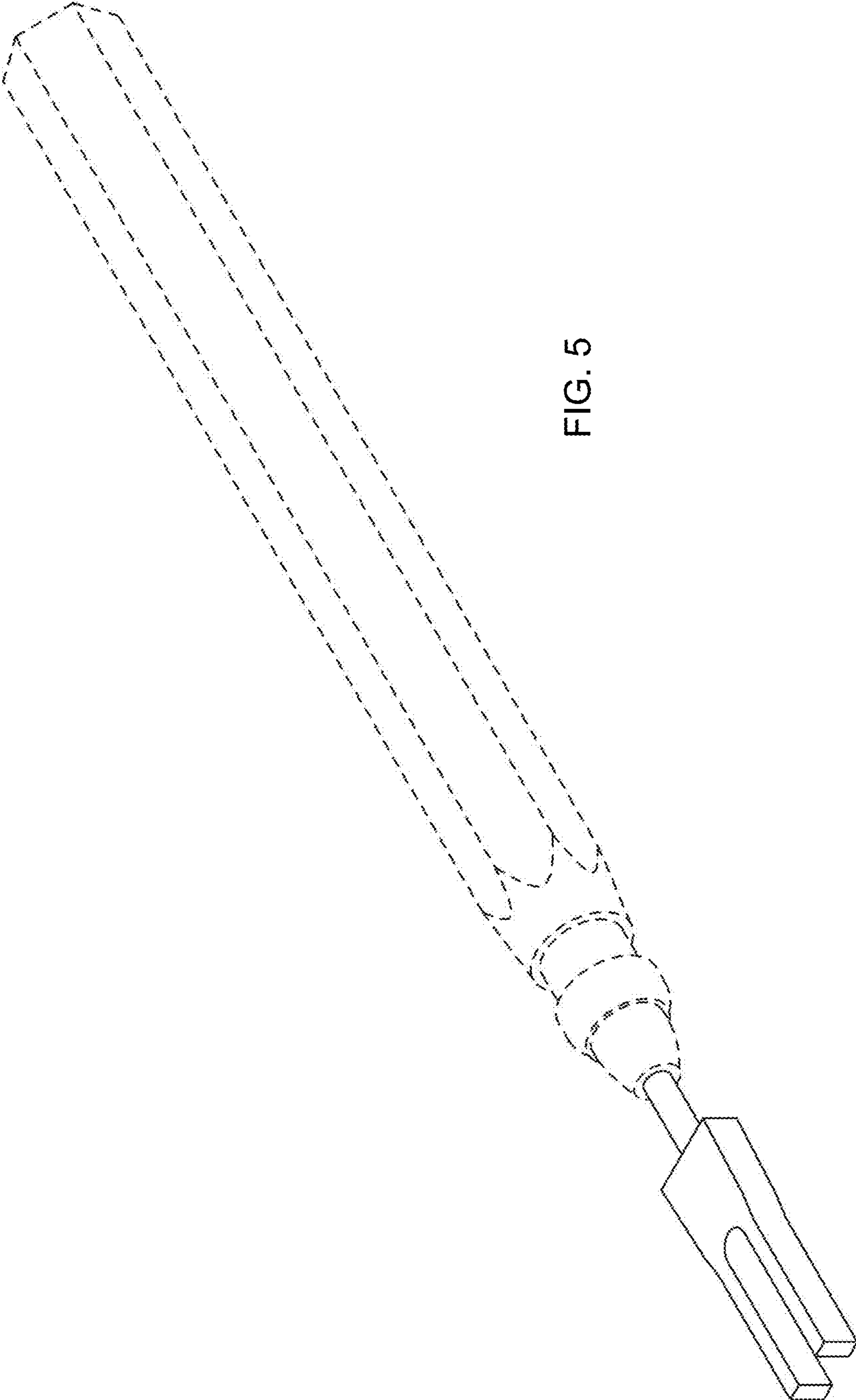


FIG. 5

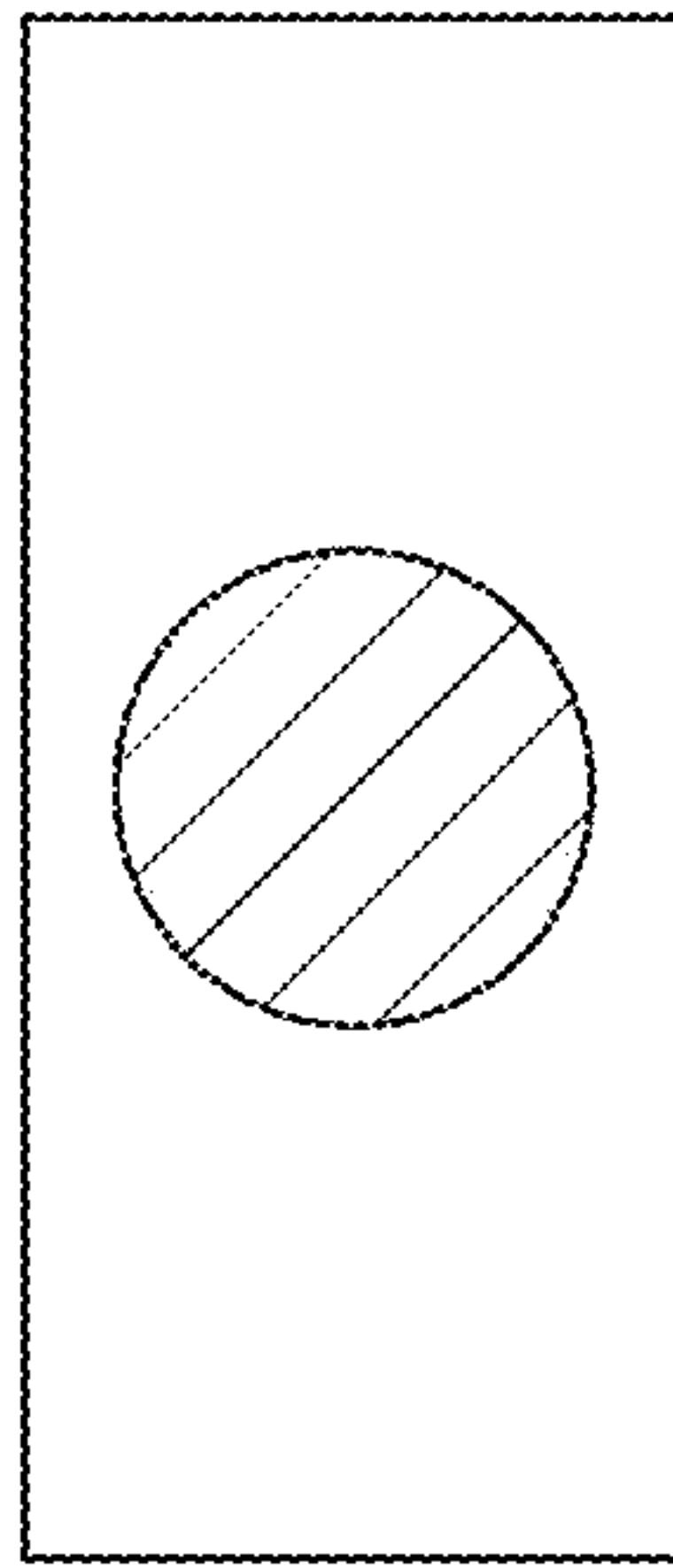


FIG. 6