



US00D805658S

(12) **United States Design Patent** (10) **Patent No.:** **US D805,658 S**
Sailer (45) **Date of Patent:** **** Dec. 19, 2017**

(54) **STEP UNIT WITH FALL ARREST
CAPABILITY**

(71) Applicant: **Glenn Sailer**, Escondido, CA (US)

(72) Inventor: **Glenn Sailer**, Escondido, CA (US)

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

(21) Appl. No.: **29/596,114**

(22) Filed: **Mar. 6, 2017**

Related U.S. Application Data

(63) Continuation of application No. 15/263,128, filed on
Sep. 12, 2016, now abandoned, which is a
(Continued)

(51) **LOC (10) Cl.** **25-04**

(52) **U.S. Cl.**
USPC **D25/69**

(58) **Field of Classification Search**
USPC D25/62-67, 68, 69; 182/100, 152, 189,
182/92

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,399,746 A * 9/1968 Wood E06C 9/04
182/100
4,449,612 A * 5/1984 Southard A63B 27/00
108/152

(Continued)

OTHER PUBLICATIONS

StepBoltInst.doc (Rev. Feb. 10, 2015) P/N 230311, Buckingham
Mfg. Co. Inc., Warnings/Instructions, Step Bolt with Anchor (part
No. 3058 & 3075).

(Continued)

Primary Examiner — Cynthia Ramirez

Assistant Examiner — Gino Colan

(74) *Attorney, Agent, or Firm* — LambentIP

(57) **CLAIM**

The ornamental design for a step unit with fall arrest
capability, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a step unit with fall arrest
capability, in an assembled configuration, showing my
design.

FIG. 2 is an exploded perspective view thereof.

FIG. 3 is a right side elevational view thereof.

FIG. 4 is a top plan view thereof.

FIG. 5 is a perspective view of the step member of the step
unit with fall arrest capability.

FIG. 6 is a right side elevational view thereof.

FIG. 7 is a front elevational view thereof.

FIG. 8 is a rear elevational view thereof.

FIG. 9 is a top plan view thereof.

FIG. 10 is a bottom plan view thereof.

FIG. 11 is a perspective view of the plate member of the step
unit with fall arrest capability.

FIG. 12 is a rear elevational view thereof.

FIG. 13 is a top plan view thereof, the bottom plan view
being a mirror image of FIG. 13.

FIG. 14 is a right side elevational view thereof.

FIG. 15 is a front elevational view thereof.

FIG. 16 is a perspective view of the rod member of the step
unit with fall arrest capability.

FIG. 17 is a right side elevational view thereof.

FIG. 18 is a top plan view thereof.

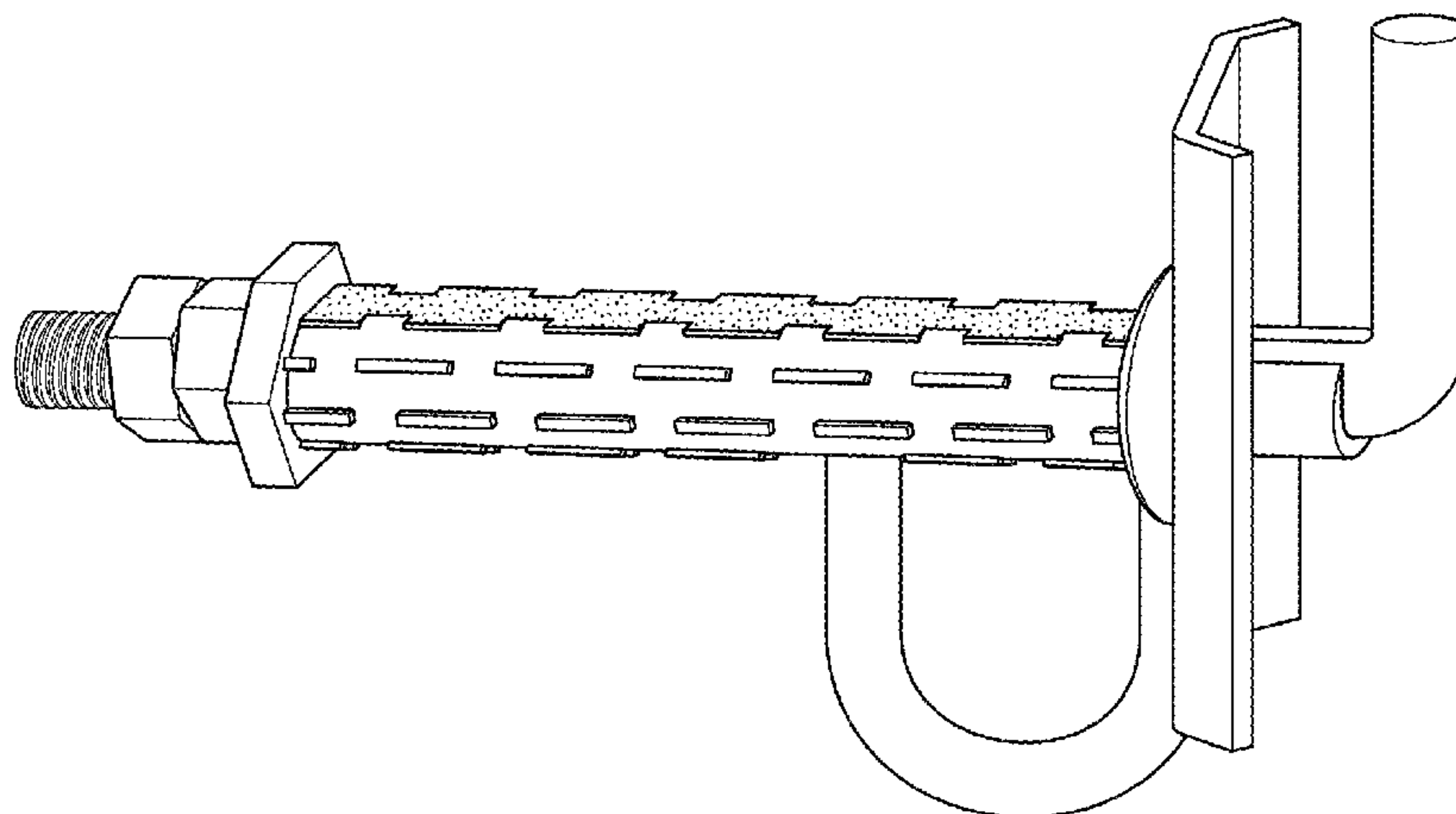
FIG. 19 is a bottom plan view thereof.

FIG. 20 is a front elevational view thereof; and,

FIG. 21 is a rear elevational view thereof.

Members of the step unit with fall arrest capability are
shown separately in FIGS. 5-21 for clarity of illustration.
The broken line shown in FIGS. 3 and 4 are for the purpose
of illustrating environment and form no part of the claimed
design.

1 Claim, 9 Drawing Sheets



Related U.S. Application Data

continuation-in-part of application No. 14/811,713,
filed on Jul. 28, 2015, now abandoned.

(58) Field of Classification Search

CPC A63B 27/00; E06C 7/081; E06C 7/084
See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

4,932,497 A * 6/1990 Raso A63B 27/00
182/189
5,544,717 A 8/1996 White et al.
5,941,485 A 8/1999 Davidson et al.
D429,002 S * 8/2000 Takahashi D25/69
D429,003 S * 8/2000 Takahashi D25/69
6,378,822 B1 4/2002 Franks
6,595,323 B2 7/2003 Lindsey et al.
D631,981 S * 2/2011 Henry D25/69
D655,597 S 3/2012 Matzek et al.
8,387,752 B2 3/2013 Lagerstedt
9,409,055 B1 * 8/2016 Niemela A63B 27/00
2005/0040303 A1 2/2005 Diggle et al.
2009/0045012 A1 * 2/2009 Mencl A63B 27/00
182/92

OTHER PUBLICATIONS

SP421 REV.D, Permanent D-Bolt Anchorage Connectors, Models:
415, 416, 416SS, 417, 417SS, 418, 418SS, 419, 419SS, Miller by
Honeywell.

* cited by examiner

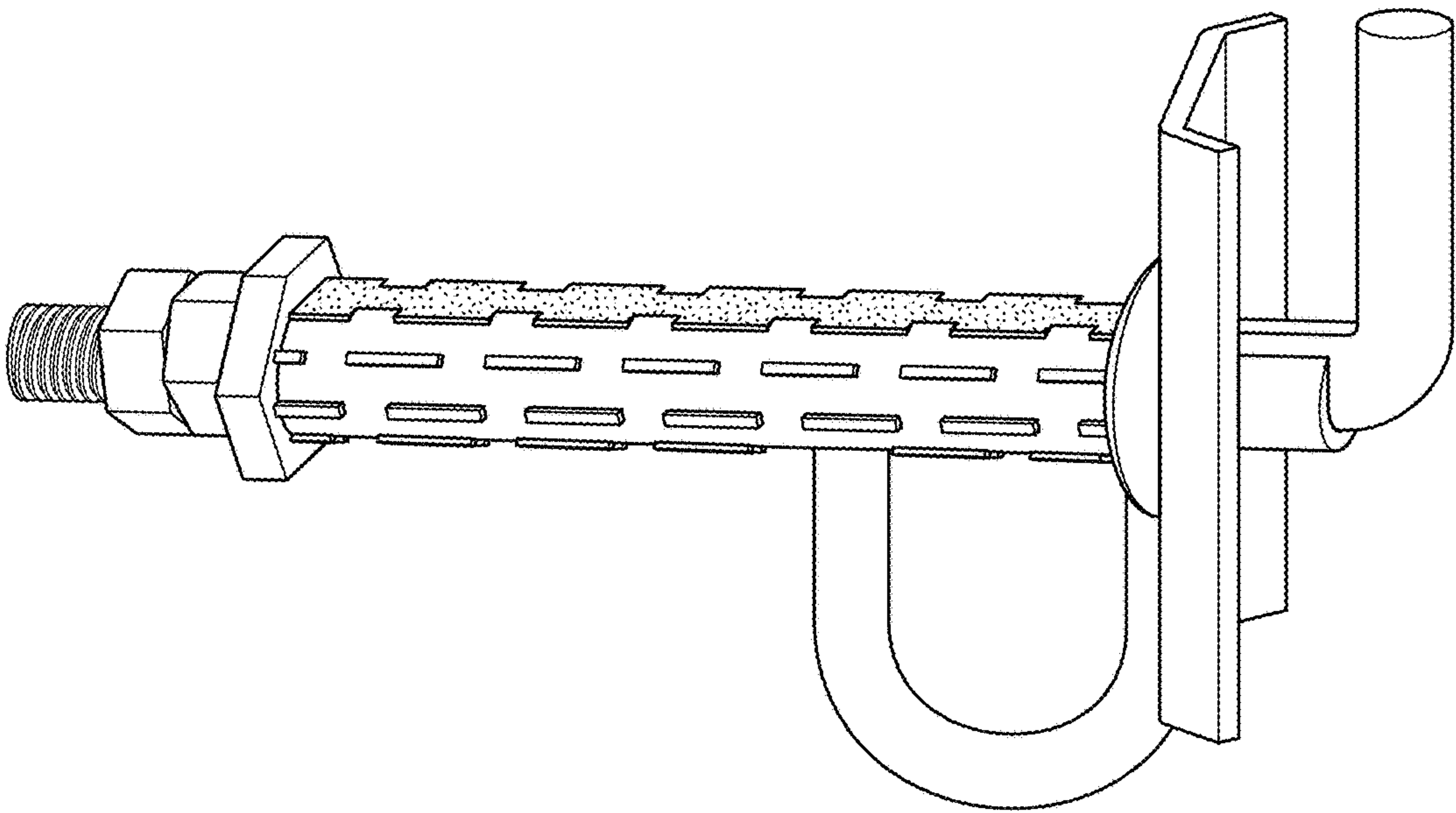


FIG. 1

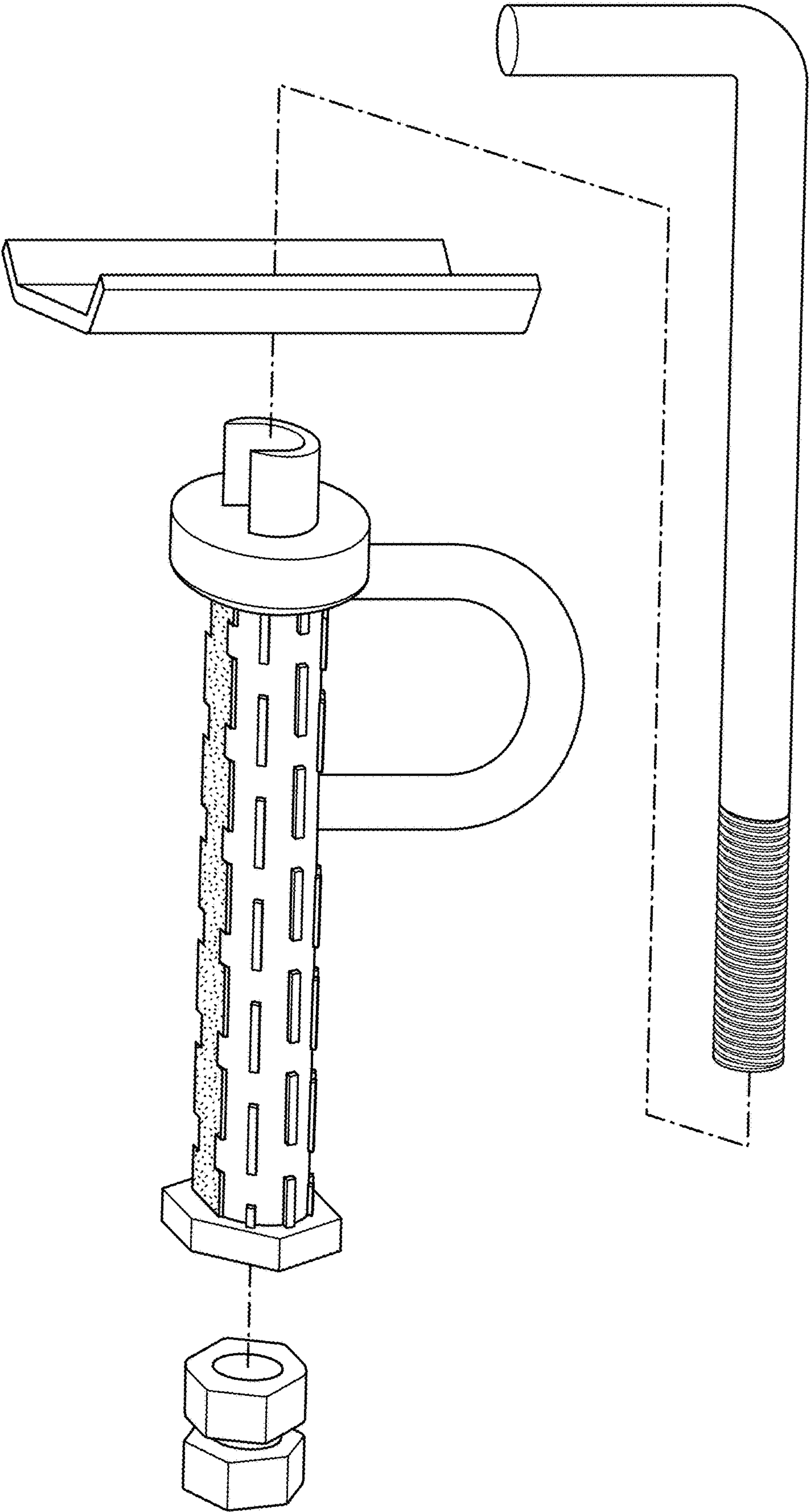


FIG. 2

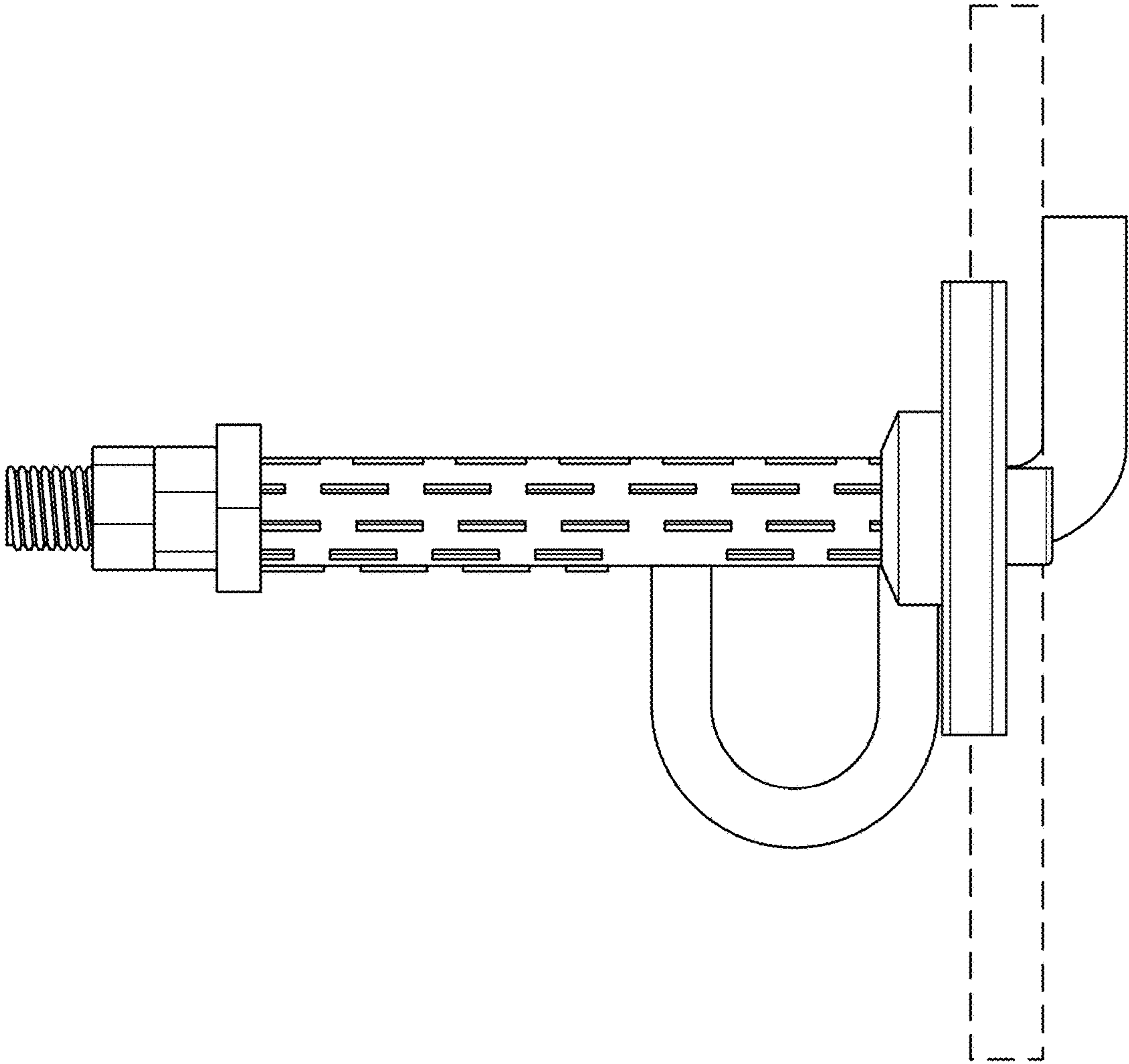
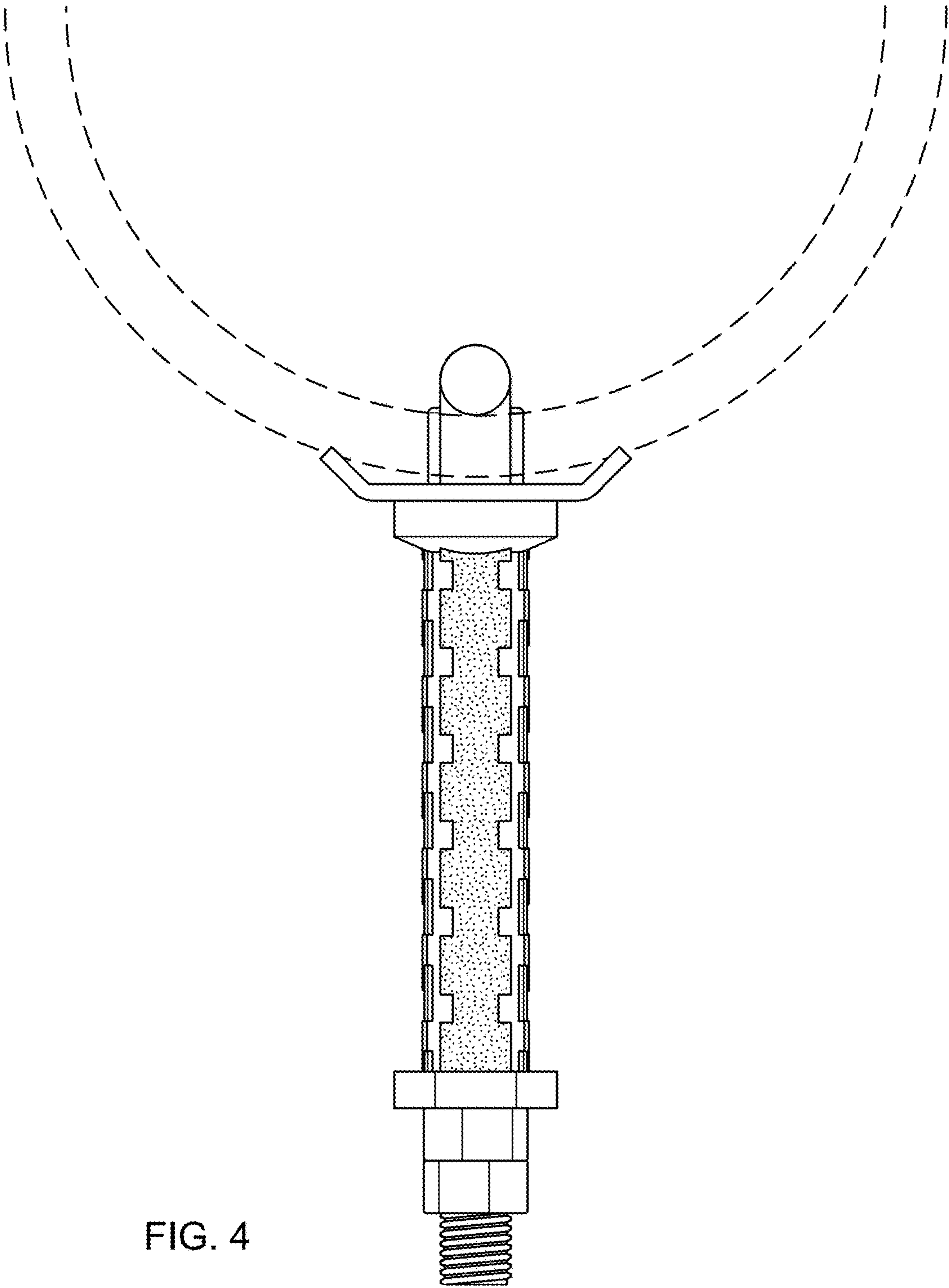


FIG. 3



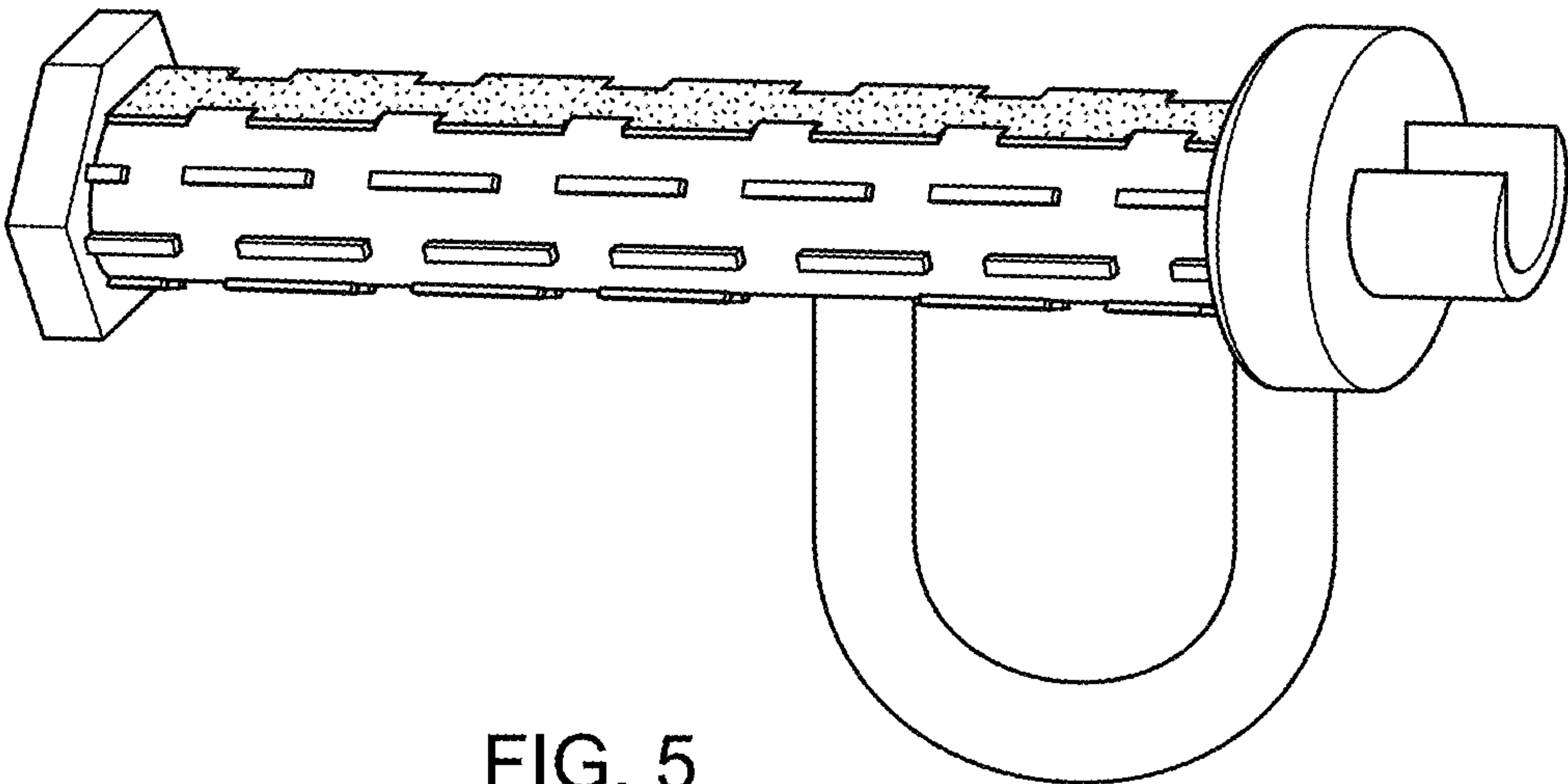


FIG. 5

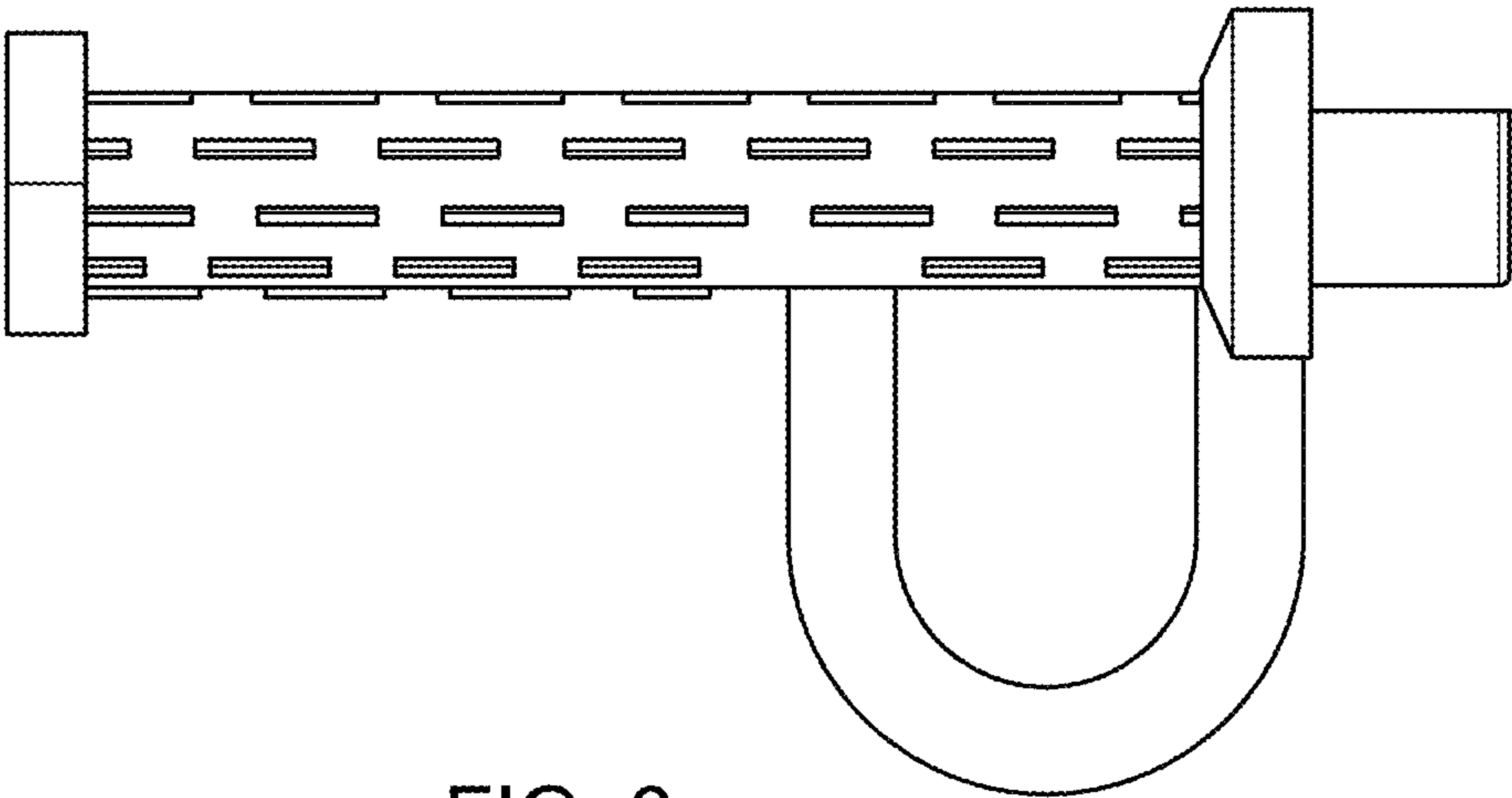


FIG. 6

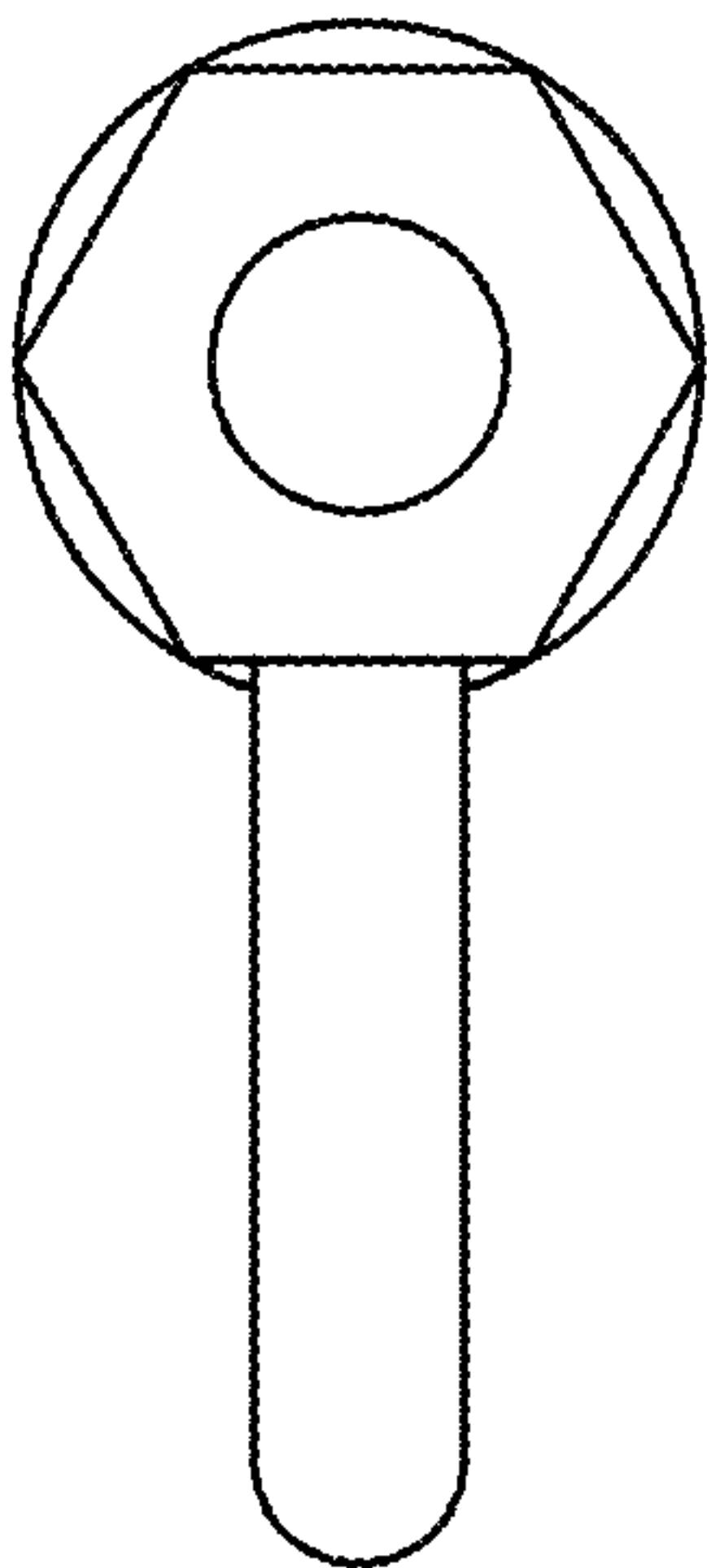


FIG. 7

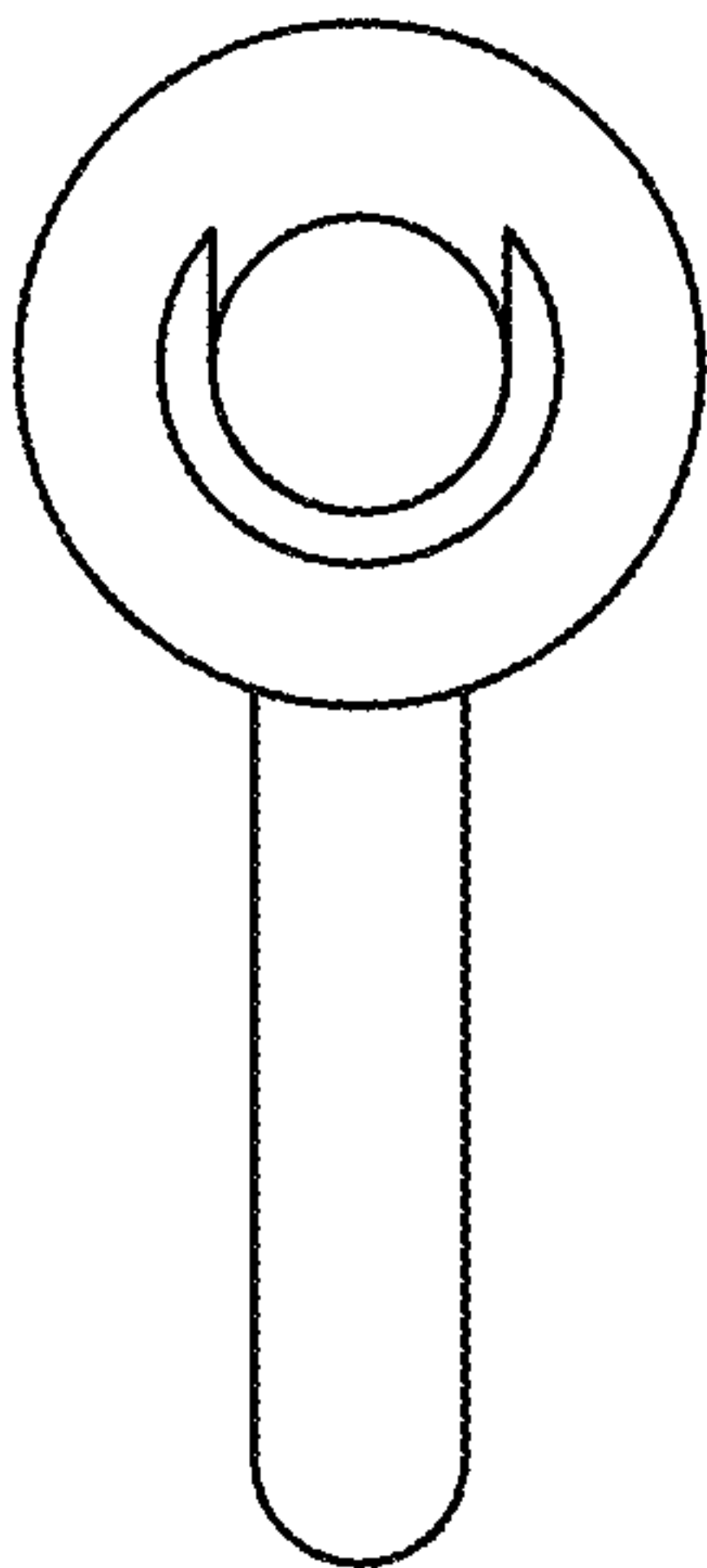


FIG. 8

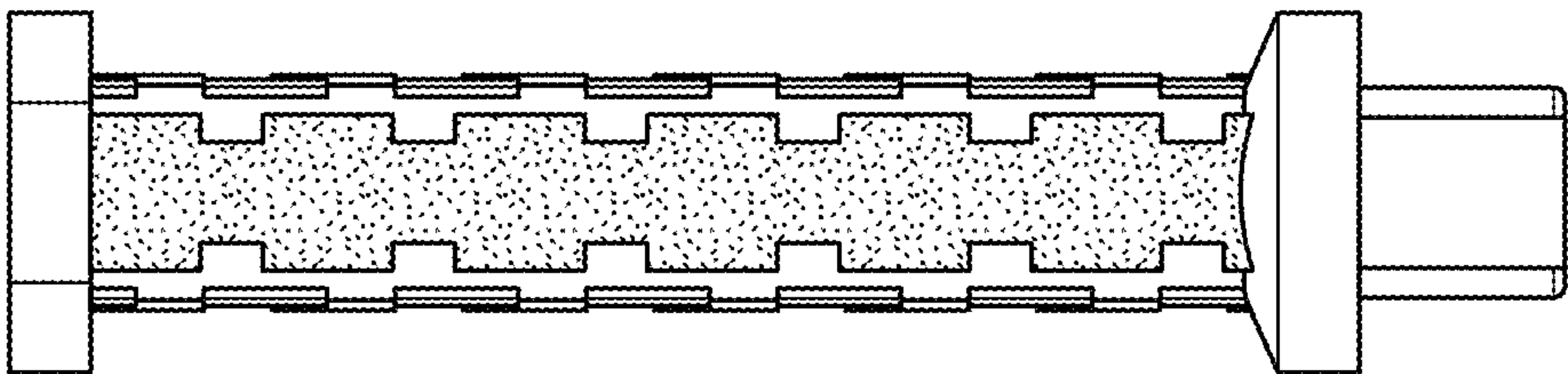


FIG. 9

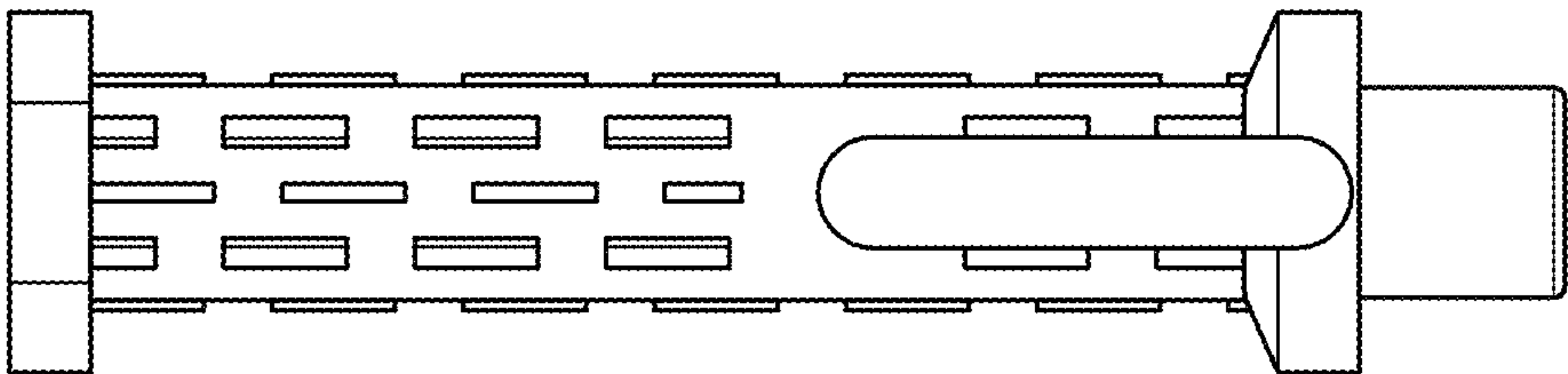


FIG. 10

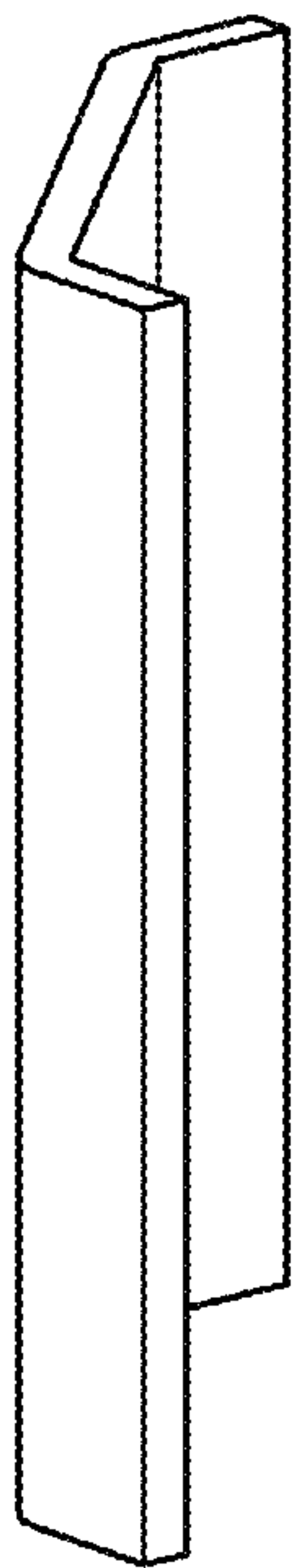


FIG. 11

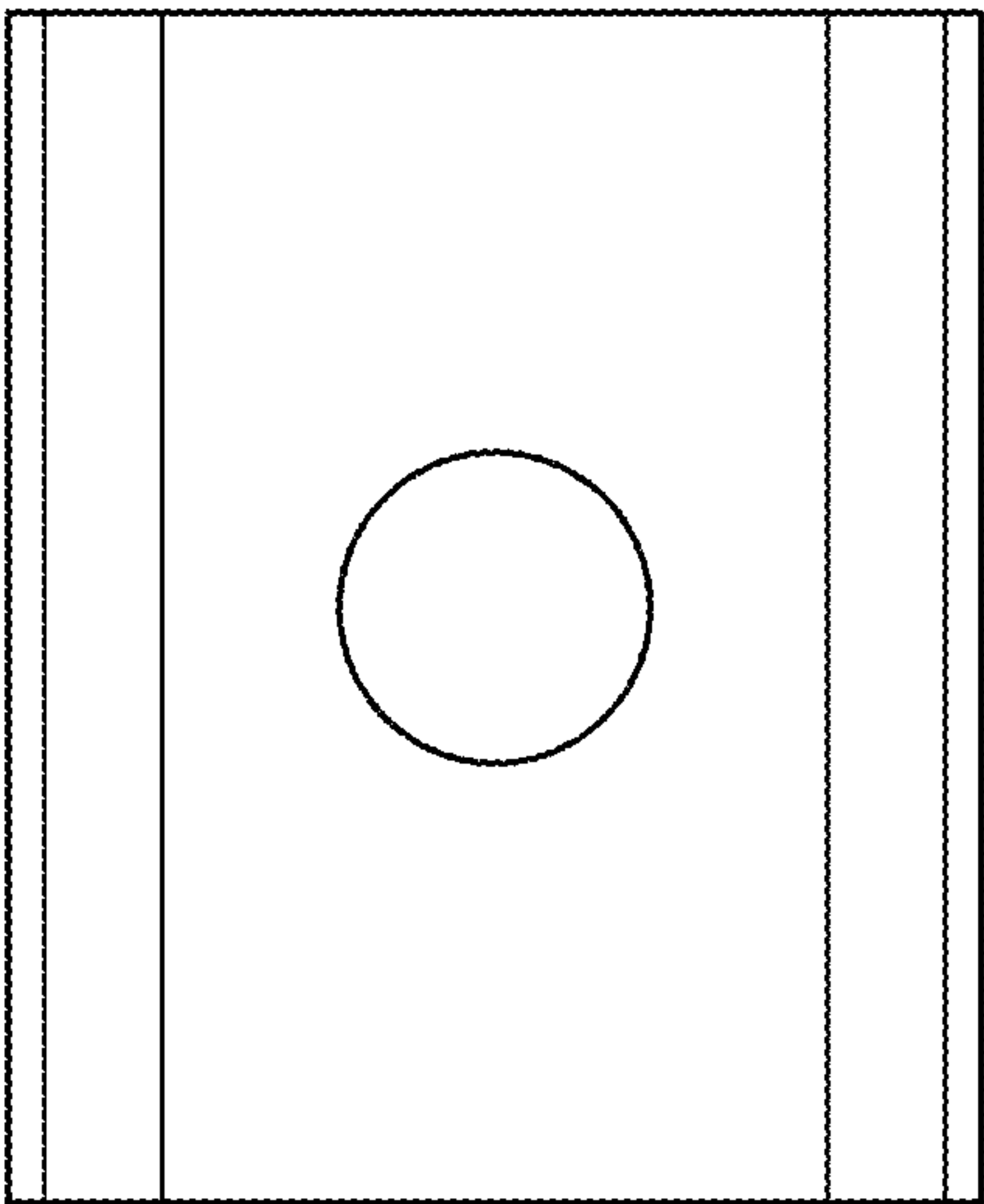


FIG. 12

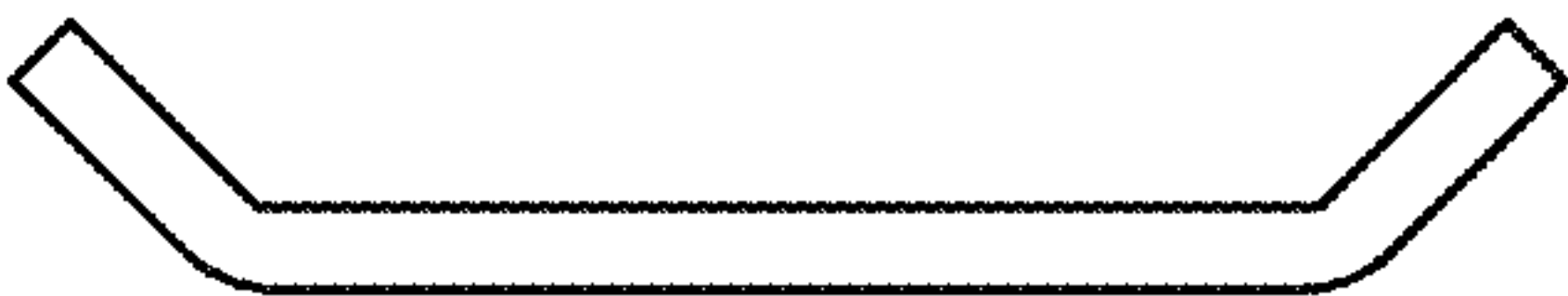


FIG. 13



FIG. 14

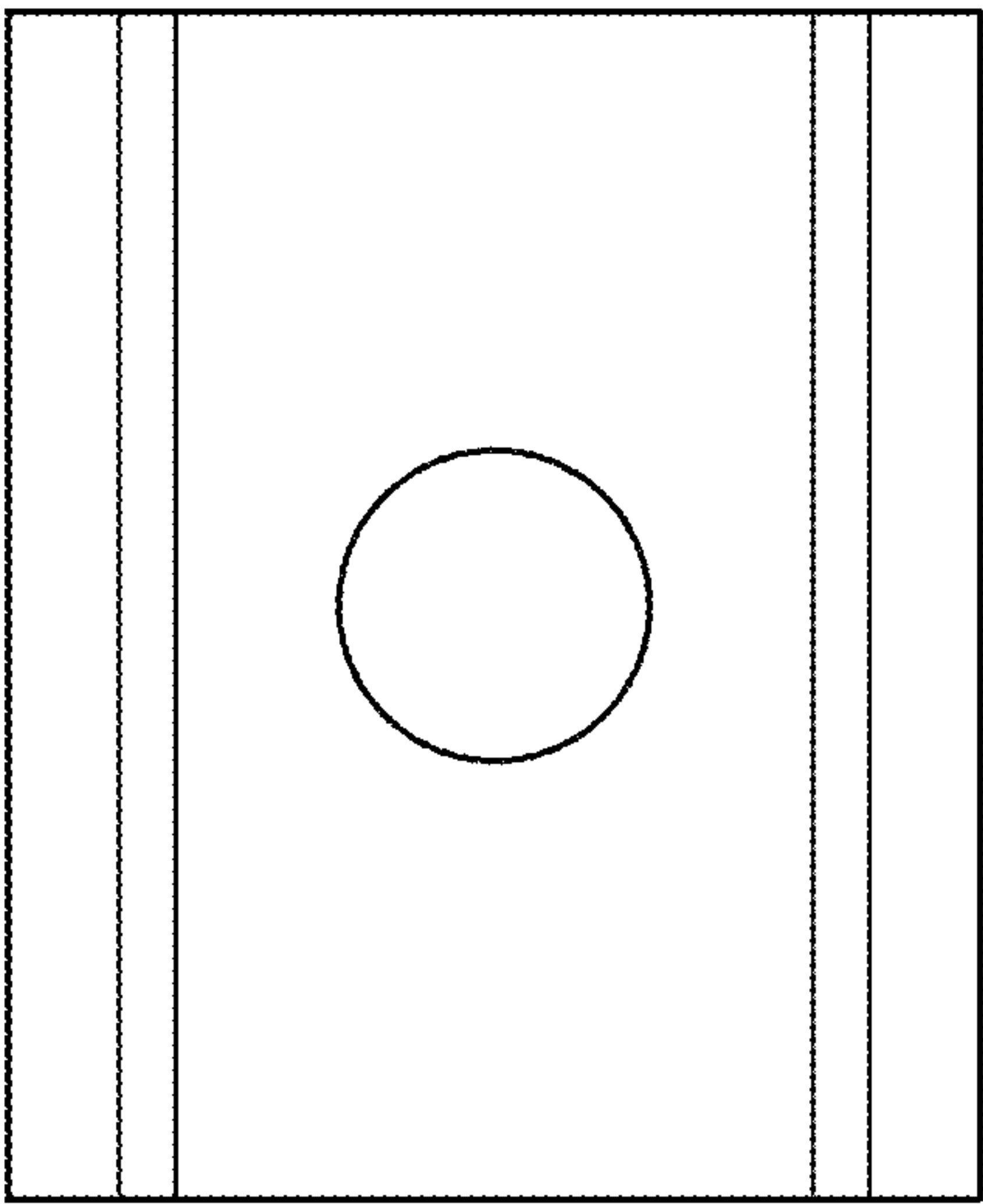


FIG. 15

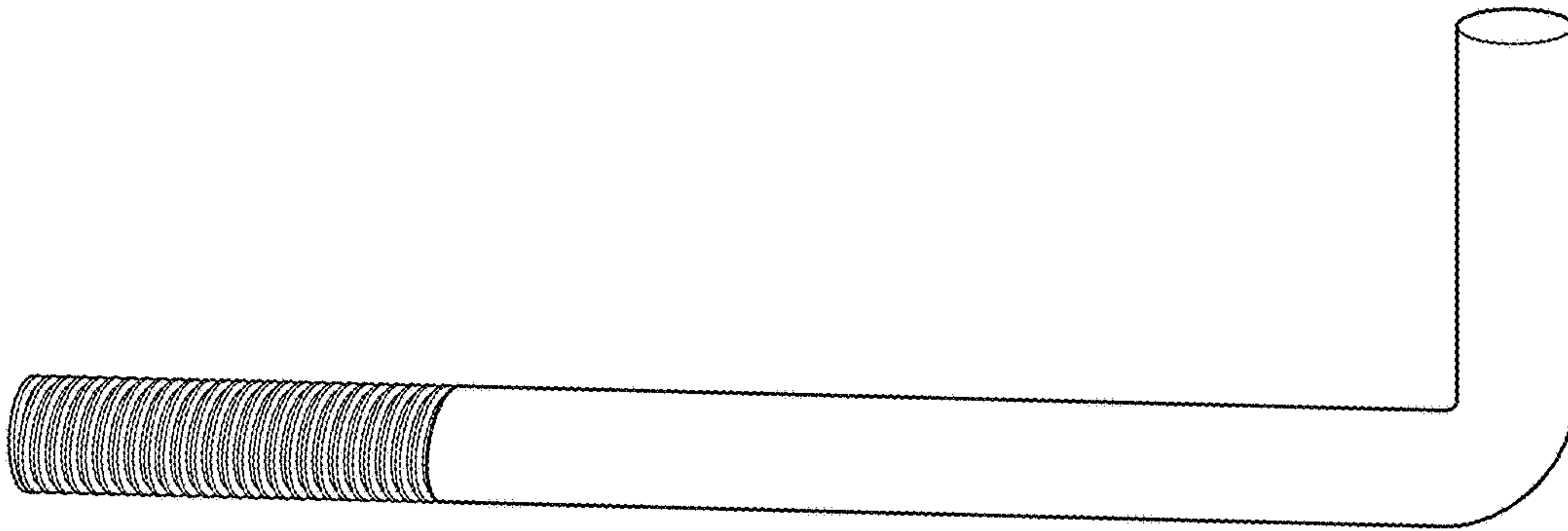


FIG. 16

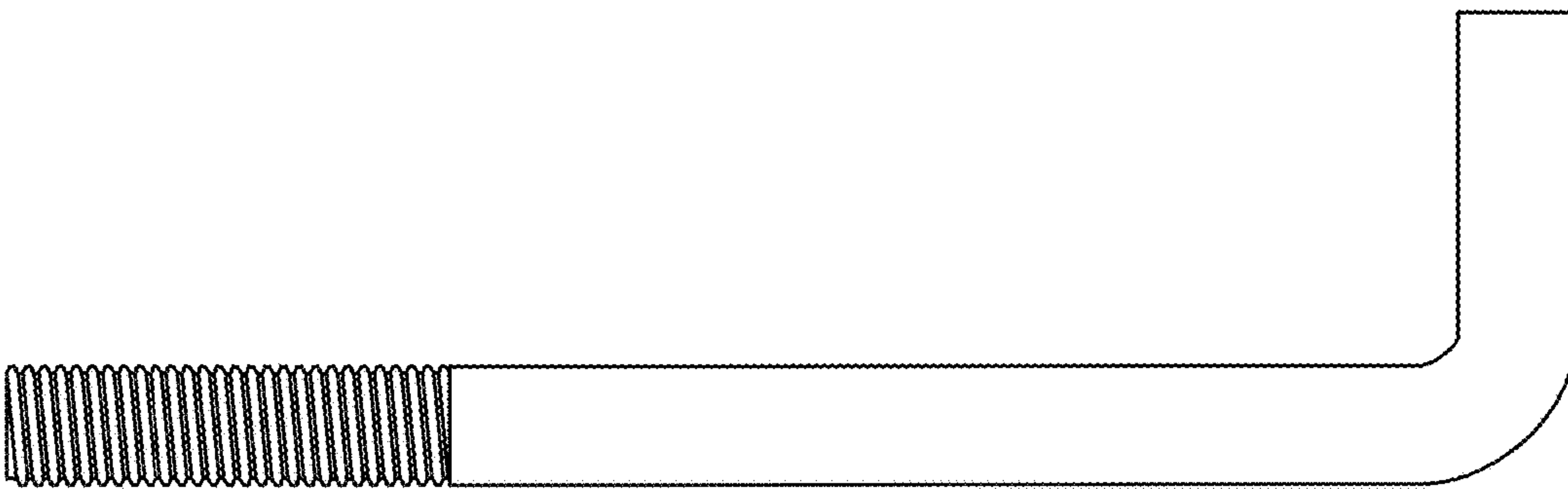


FIG. 17



FIG. 18



FIG. 19



FIG. 20

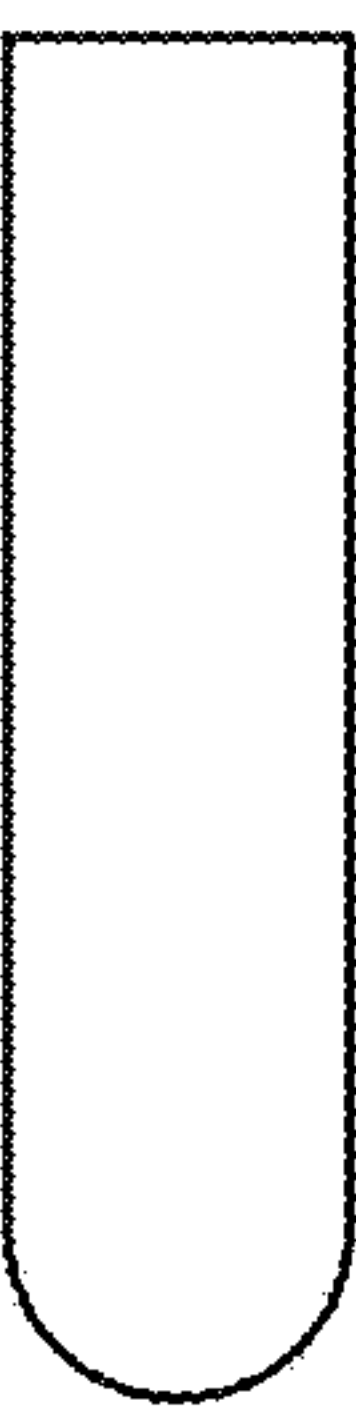


FIG. 21