

(12)

United States Design Patent

Godfrin et al.

(10)

Patent No.:

US D980,452 S

(45)

Date of Patent:

** Mar. 7, 2023

(54)

GRID BOX TO STORE MULTIPLE SAMPLE TYPES FOR CRYOGENIC ELECTRON MICROSCOPY

2014/0083212

A1 *

3/2014

Schryver

.....

A01N 1/0252

73/863.11

2017/0176367

A1 *

6/2017

Pennington

.....

G01N 1/42

2020/0161080

A1 *

5/2020

Chun

.....

H01J 37/261

(71)

Applicant:

NanoSoft, LLC, Coventry, RI (US)

(72)

Inventors:

Michael Philip Godfrin, Narragansett, RI (US); Michael Franzblau, Scituate, RI (US)

(73)

Assignee:

NanoSoft, LLC, Coventry, RI (US)

(**)

Term:

15 Years

(21)

Appl. No.:

29/762,347

(22)

Filed:

Dec. 16, 2020

(51)

LOC (14) Cl.

.....

24-02

(52)

U.S. Cl.

USPC

.....

D24/226

(58)

Field of Classification Search

USPC

.....

D24/107, 108, 121, 186, 216–232; D3/203.1, 203.2, 202; D10/81; D9/434, D9/435, 436, 449, 452

CPC

.....

G01N 1/42; G01N 23/225; H01J 37/26; H01J 37/20

See application file for complete search history.

(56)

References Cited

U.S. PATENT DOCUMENTS

D438,633 S * 3/2001 Miller D24/216

D522,145 S * 5/2006 Best D10/81

D600,120 S * 9/2009 Kawamura D9/452

D616,090 S * 5/2010 Kawamura D24/127

D657,886 S * 4/2012 Mayfield D24/224

D659,254 S * 5/2012 Miyashita D24/216

D767,162 S * 9/2016 Schimmel D24/226

D788,317 S * 5/2017 Orcutt D24/232

D931,101 S * 9/2021 Tse D9/449

2010/0181482 A1 * 7/2010 Zhang H01J 37/20

250/311

2013/0011582 A1 * 1/2013 Lin B23K 15/00

427/596

OTHER PUBLICATIONS

TGB-4 cryo grid box for 4 grids (each). Online, published date 2014. Retrieved on Jan. 12, 2022 from URL: <https://emresolutions.com/product/em-tec-gb-4-cryo-grid-box-for-4-tem-grids-each/>.*

New Metal Cryo Grid Storage Box. Online, published date unknown. Retrived on Jan. 12, 2022 from URL: https://www.tedpella.com/grids_html/gridbox.aspx#_160_52.*

* cited by examiner

Primary Examiner — Omeed Agilee

(74) Attorney, Agent, or Firm — Cesari and McKenna, LLP; James A. Blanchette

(57)

CLAIM

The ornamental design for a grid box to store multiple sample types for cryogenic electron microscopy, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the top and side of a grid box to store multiple sample types for cryogenic electron microscopy;

FIG. 2 is a top view thereof;

FIG. 3 is a sectional view thereof taken from line 3-3 in FIG. 2;

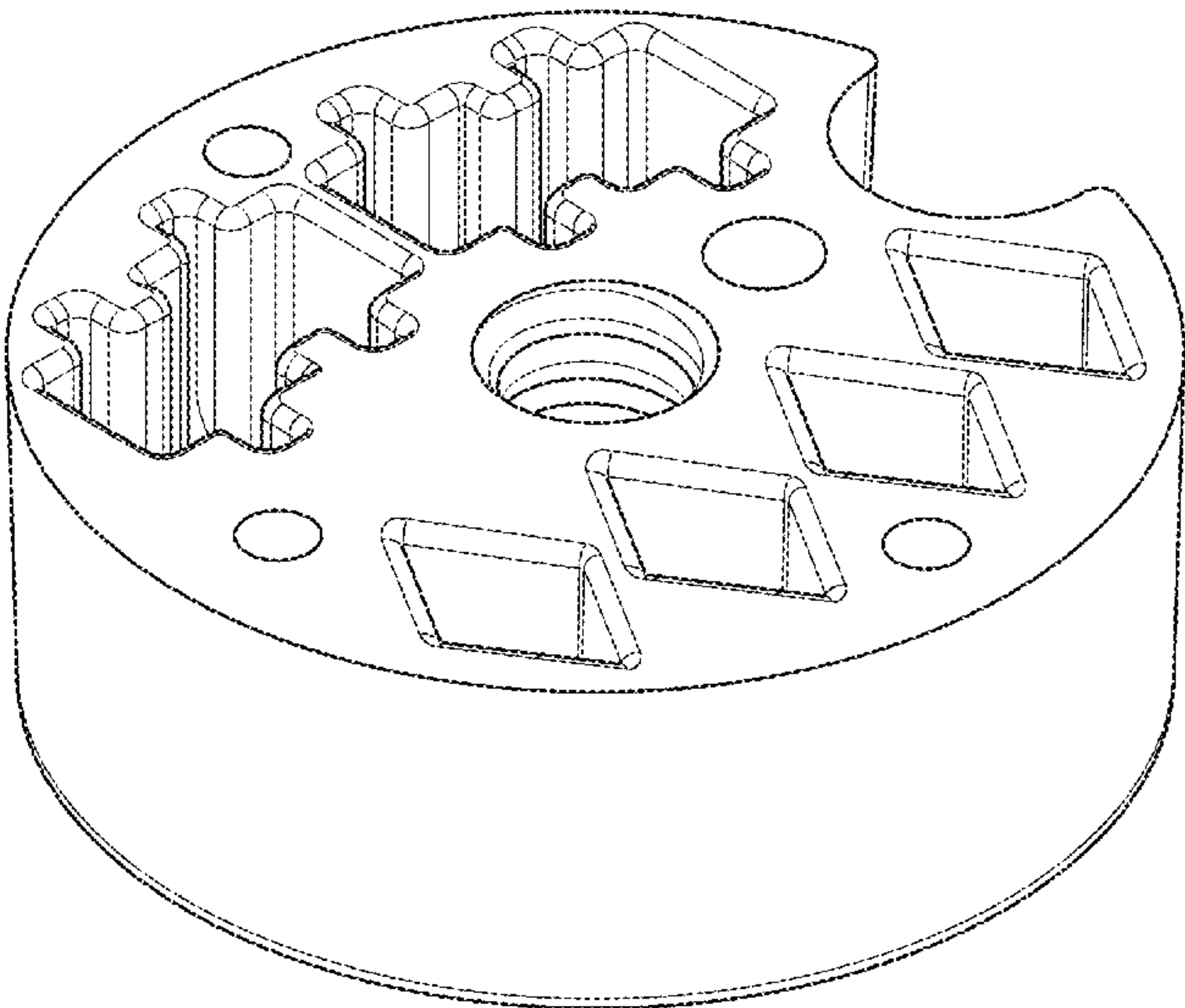
FIG. 4 is a sectional view thereof taken from line 4-4 in FIG. 2;

FIG. 5 is a sectional view thereof taken from line 5-5 in FIG. 2;

FIG. 6 is a perspective view of the bottom and side thereof; and,

FIG. 7 is a bottom view thereof.

1 Claim, 7 Drawing Sheets



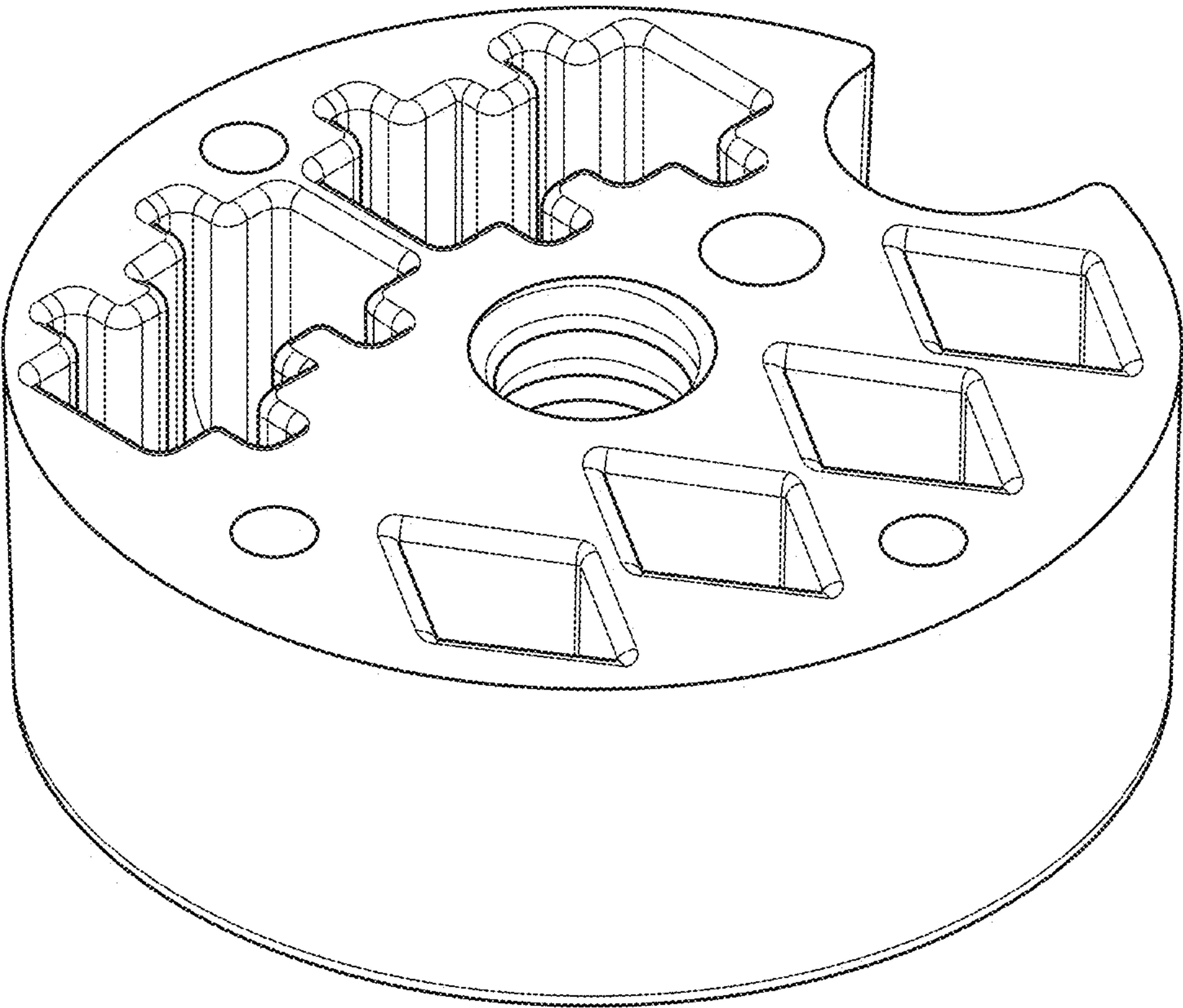


FIG. 1

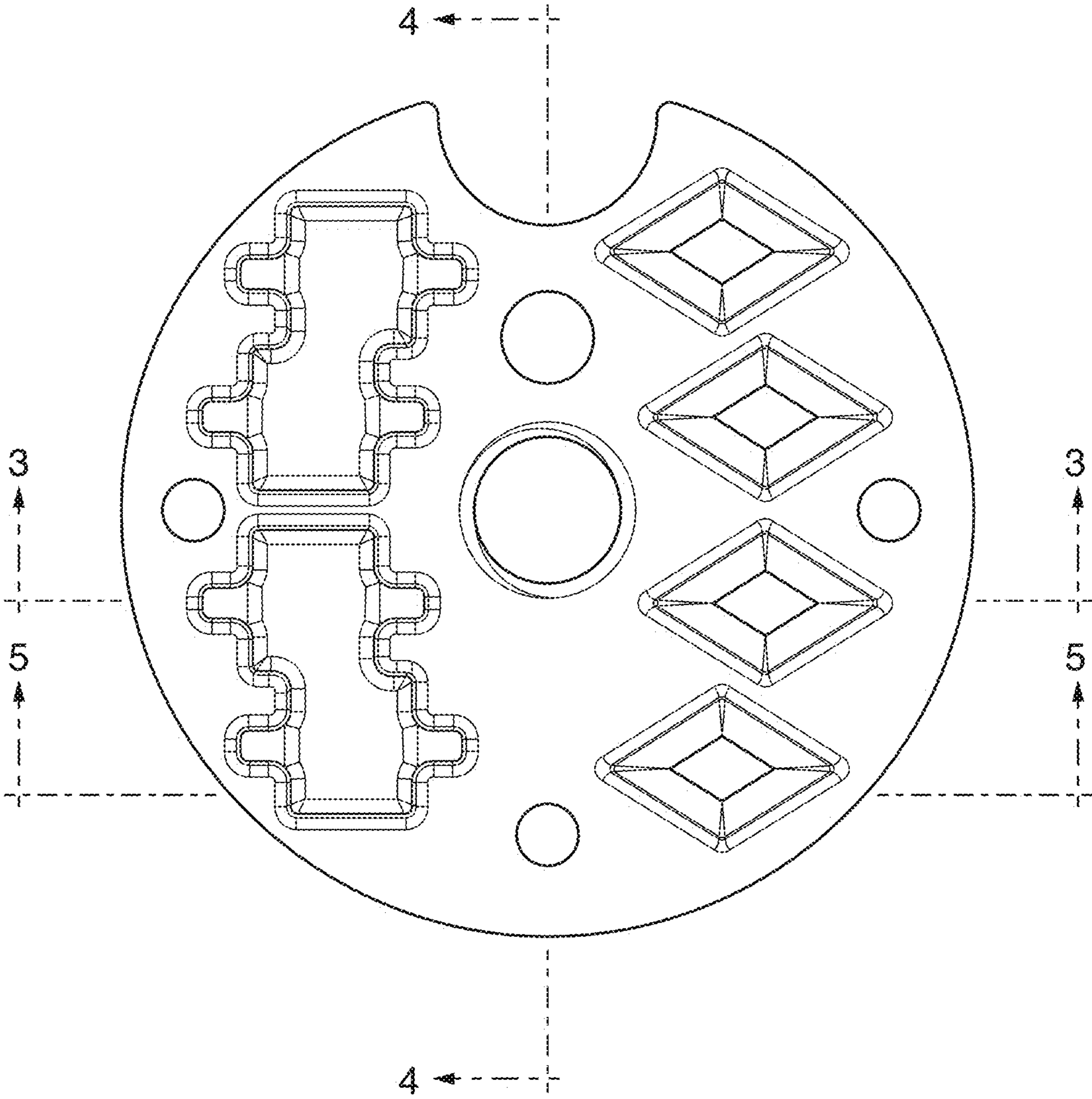


FIG. 2

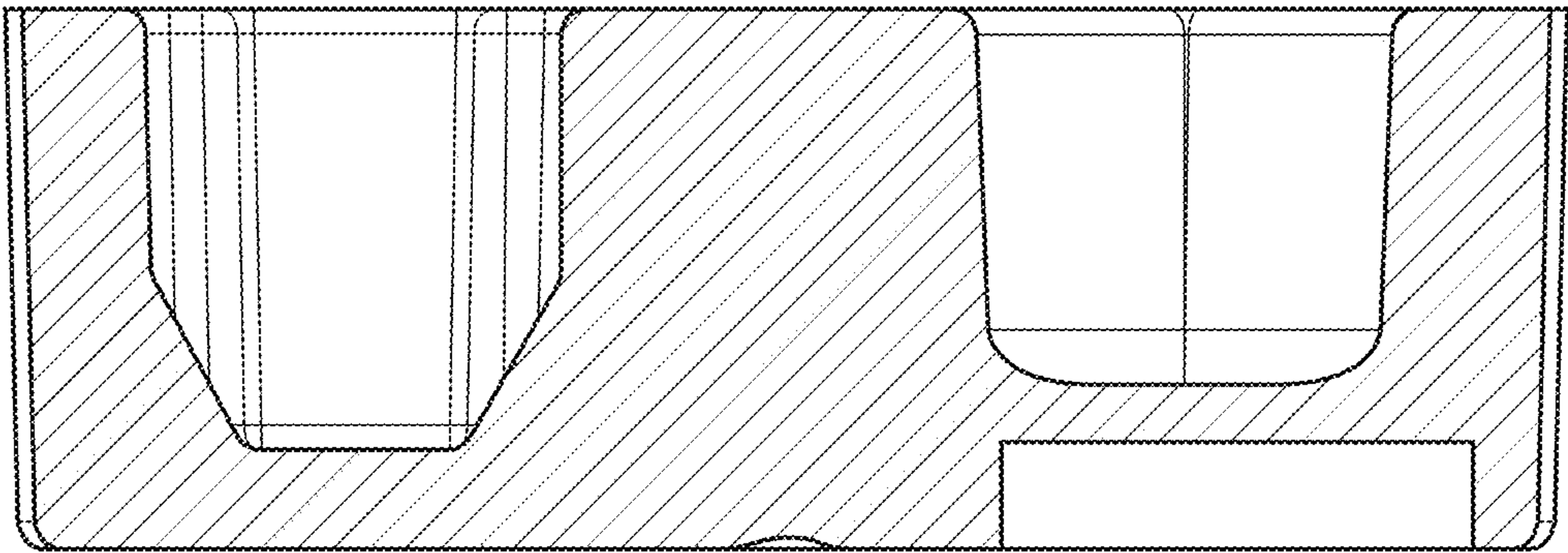


FIG. 3

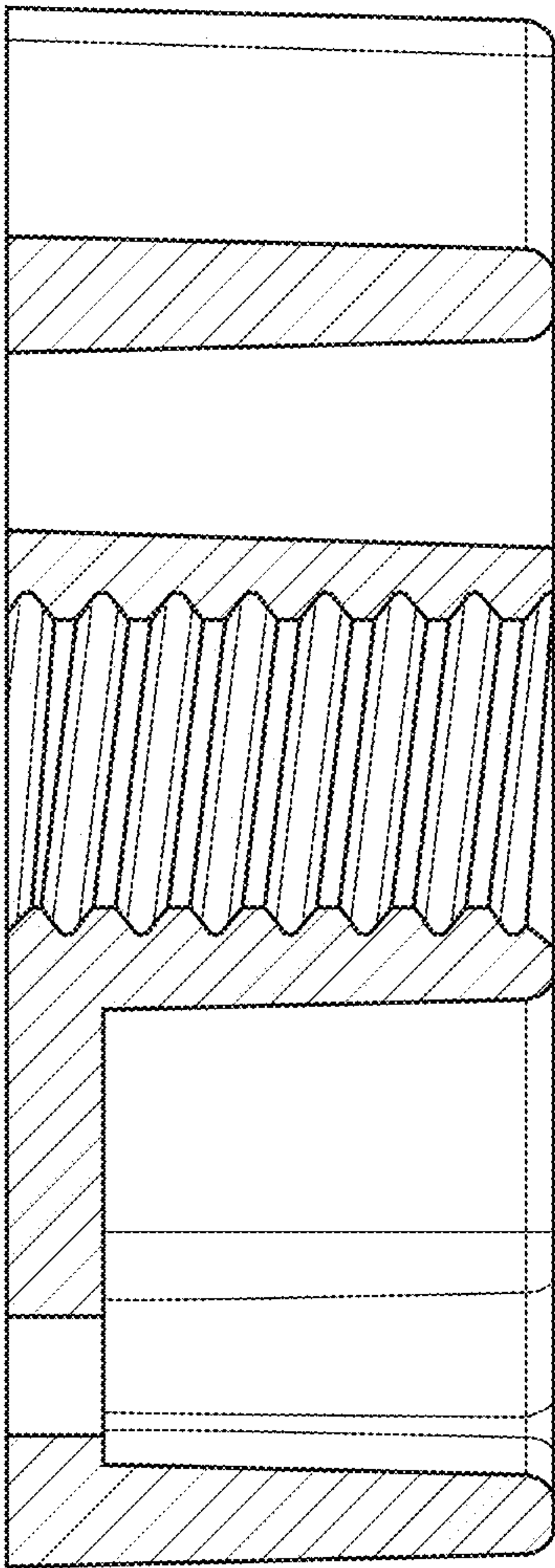


FIG. 4

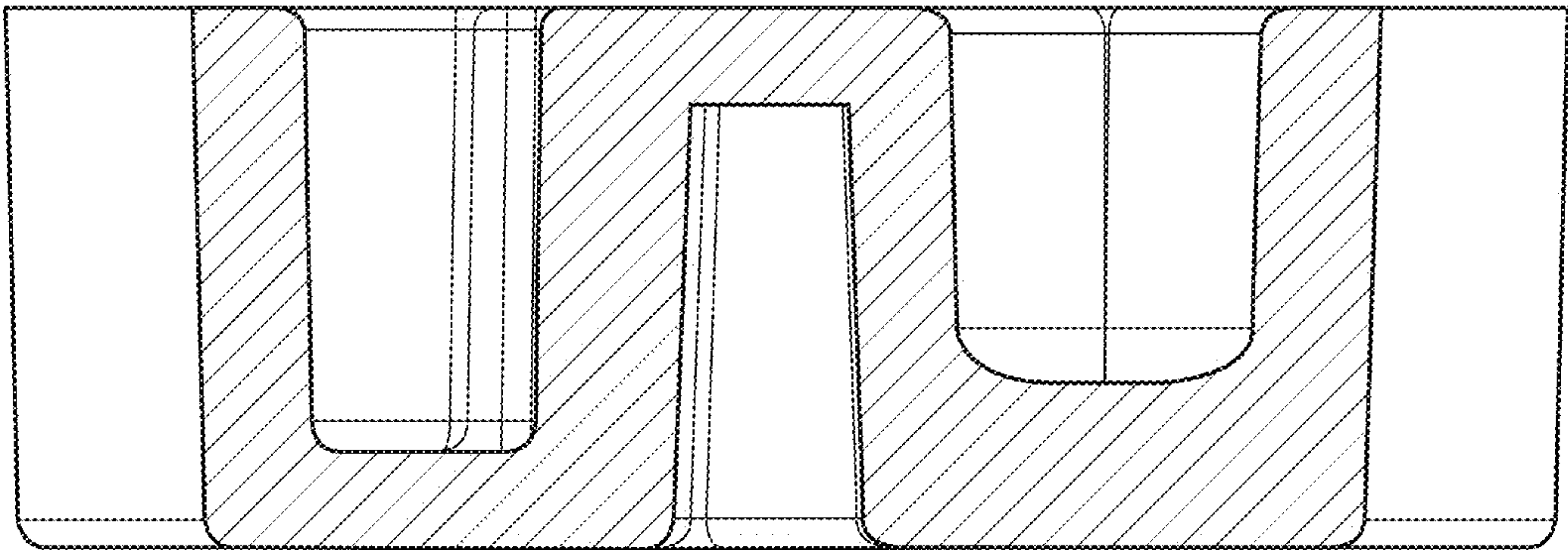


FIG. 5

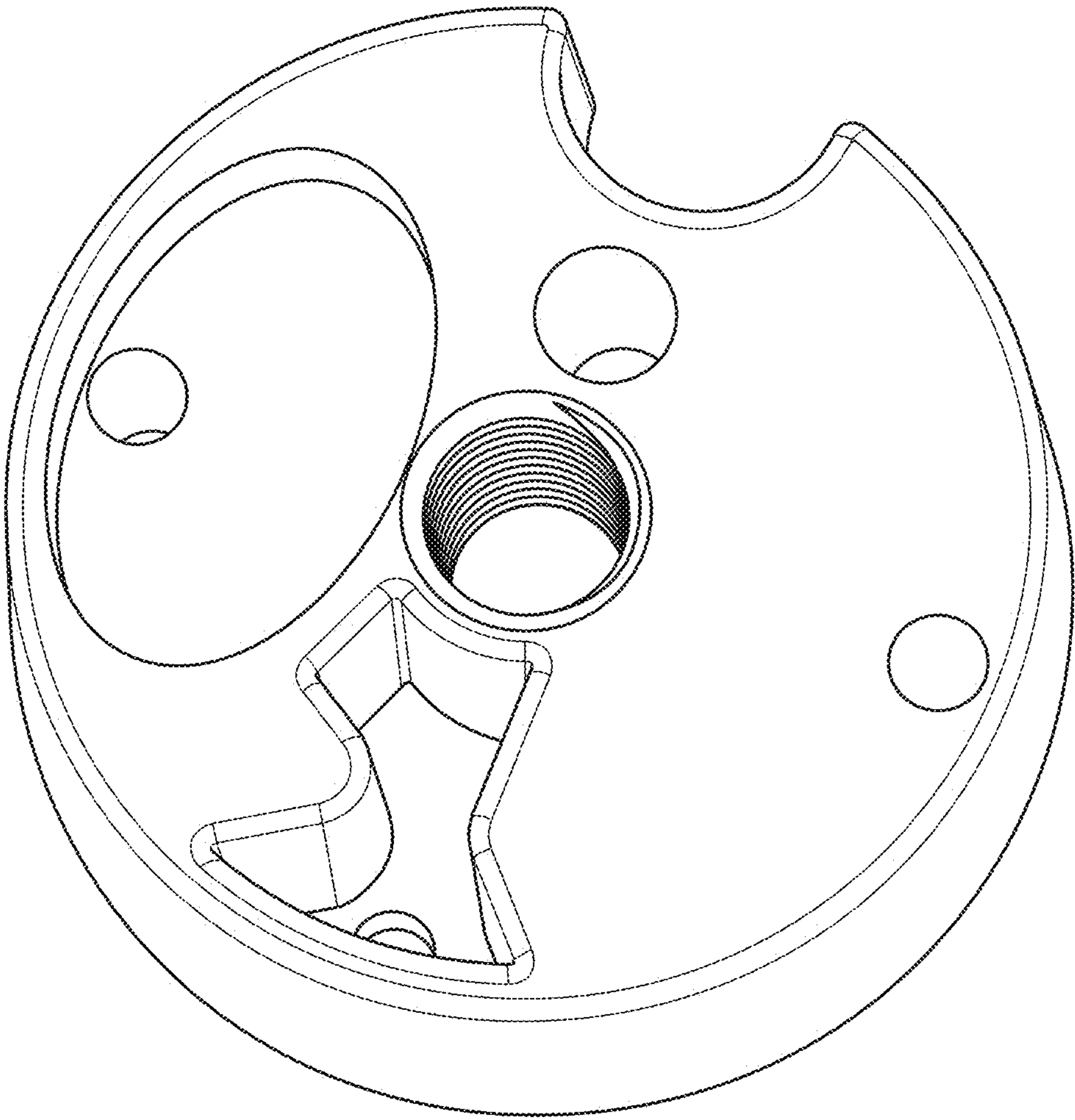


FIG. 6

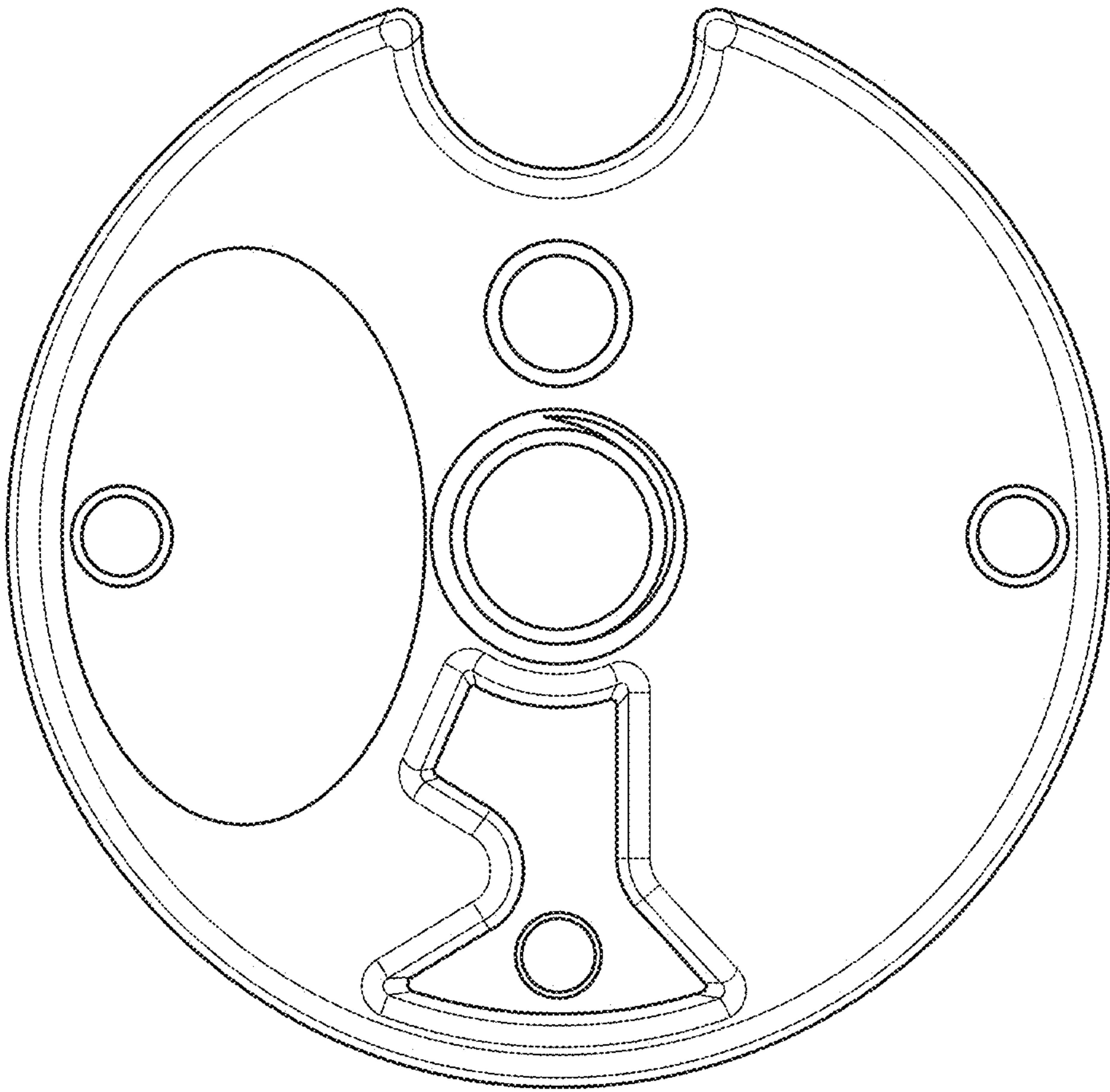


FIG. 7