

US00D947253S

(12) **United States Design Patent** (10) **Patent No.:** **US D947,253 S**
Sullivan et al. (45) **Date of Patent:** **** Mar. 29, 2022**

(54) **BULKHEAD FOR A PERFORATING GUN ASSEMBLY**

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

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Related U.S. Application Data

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6, 2020.

(51) **LOC (13) Cl.** **15-03**

(52) **U.S. Cl.**
USPC **D15/21**

(58) **Field of Classification Search**
USPC **D15/21**

(Continued)

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Primary Examiner — Mark A Goodwin

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IP

(57) **CLAIM**

The ornamental design for a bulkhead for a perforating gun
assembly, as shown and described.

DESCRIPTION

FIG. 1 is a first perspective view of a bulkhead for a
perforating gun assembly, showing our new design in a first
embodiment. A signal transmission pin is shown residing
within the bulkhead for a perforating gun assembly, in a first
design.

FIG. 2 is a second perspective view of the bulkhead for a
perforating gun assembly of FIG. 1, shown from a different
angle.

FIG. 3 is a front plan view of the bulkhead for a perforating
gun assembly of FIG. 1.

FIG. 4 is a rear plan view thereof.

FIG. 5 is a top plan view thereof.

FIG. 6 is a bottom plan view thereof.

FIG. 7 is a right side elevation view thereof.

FIG. 8 is a left side elevation view thereof.

FIG. 9 is a third perspective view of the bulkhead for a
perforating gun assembly of FIGS. 1 and 2. Here, the signal
transmission pin and o-rings have been removed.

FIG. 10 is a fourth perspective view of the bulkhead for a
perforating gun assembly of FIG. 9, shown from a different
angle.

FIG. 11 is a front plan view of the bulkhead for a perforating
gun assembly of FIG. 1, with o-rings attached.

FIG. 12 is a rear plan view of the bulkhead for a perforating
gun assembly of FIG. 11.

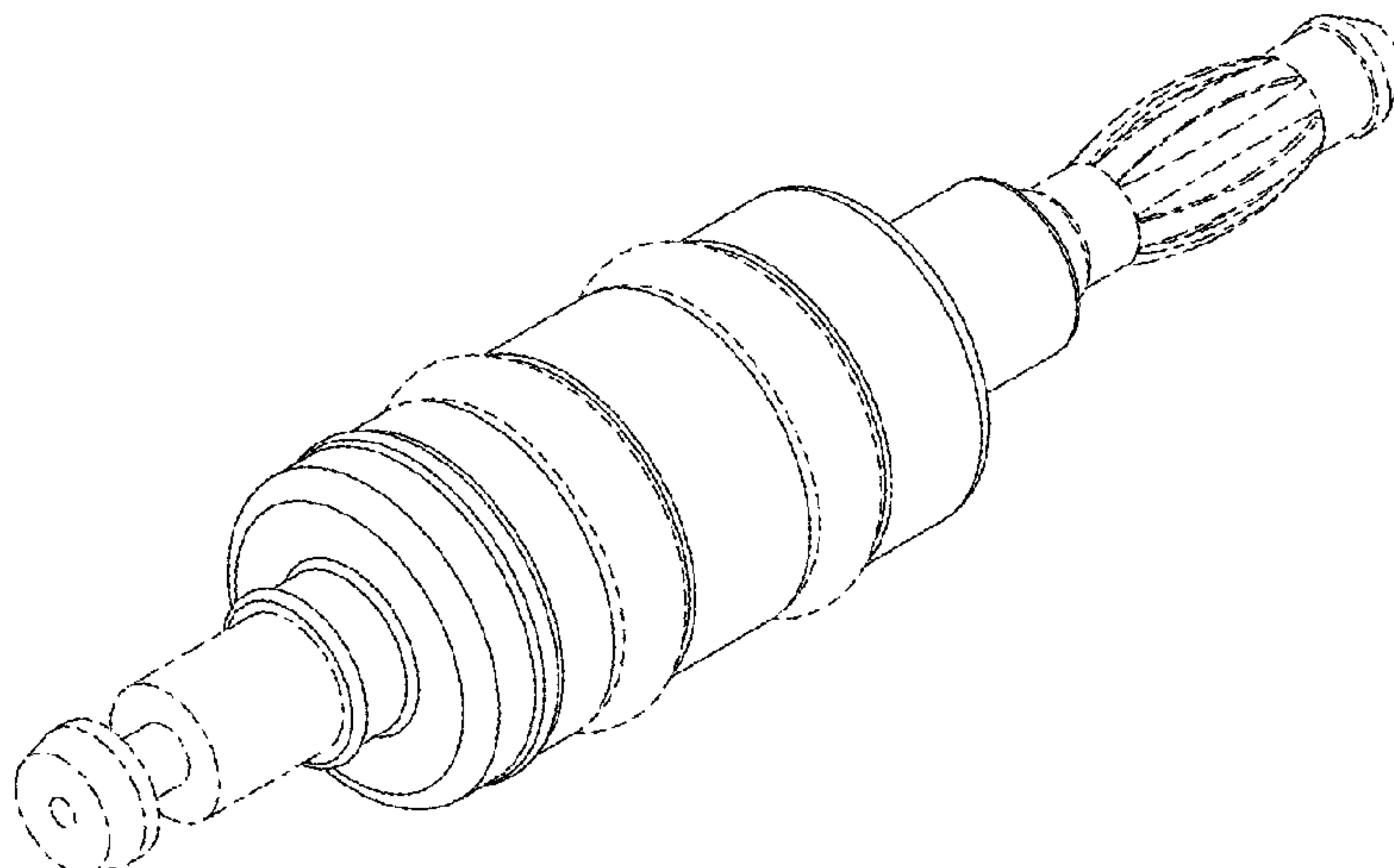
FIG. 13 is a fifth perspective view the bulkhead for a
perforating gun assembly of FIGS. 1 and 2. A signal trans-
mission pin is shown residing within the bulkhead for a
perforating gun assembly, in a second design.

FIG. 14 is a sixth perspective view of the bulkhead for a
perforating gun assembly of FIG. 13, shown from a different
angle.

FIG. 15 is a right side elevation view thereof; and,

FIG. 16 is a left side elevation view thereof.

(Continued)



The broken lines in the drawings depict portions of the bulkhead for a perforating gun assembly that form no part of the claimed designs.

1 Claim, 7 Drawing Sheets

(58) Field of Classification Search

CPC E21B 43/11; E21B 43/112; E21B 43/114;
E21B 43/116; E21B 43/117; E21B
43/119; E21B 43/00; F42D 1/04; F42D
1/05; F42D 1/043

See application file for complete search history.

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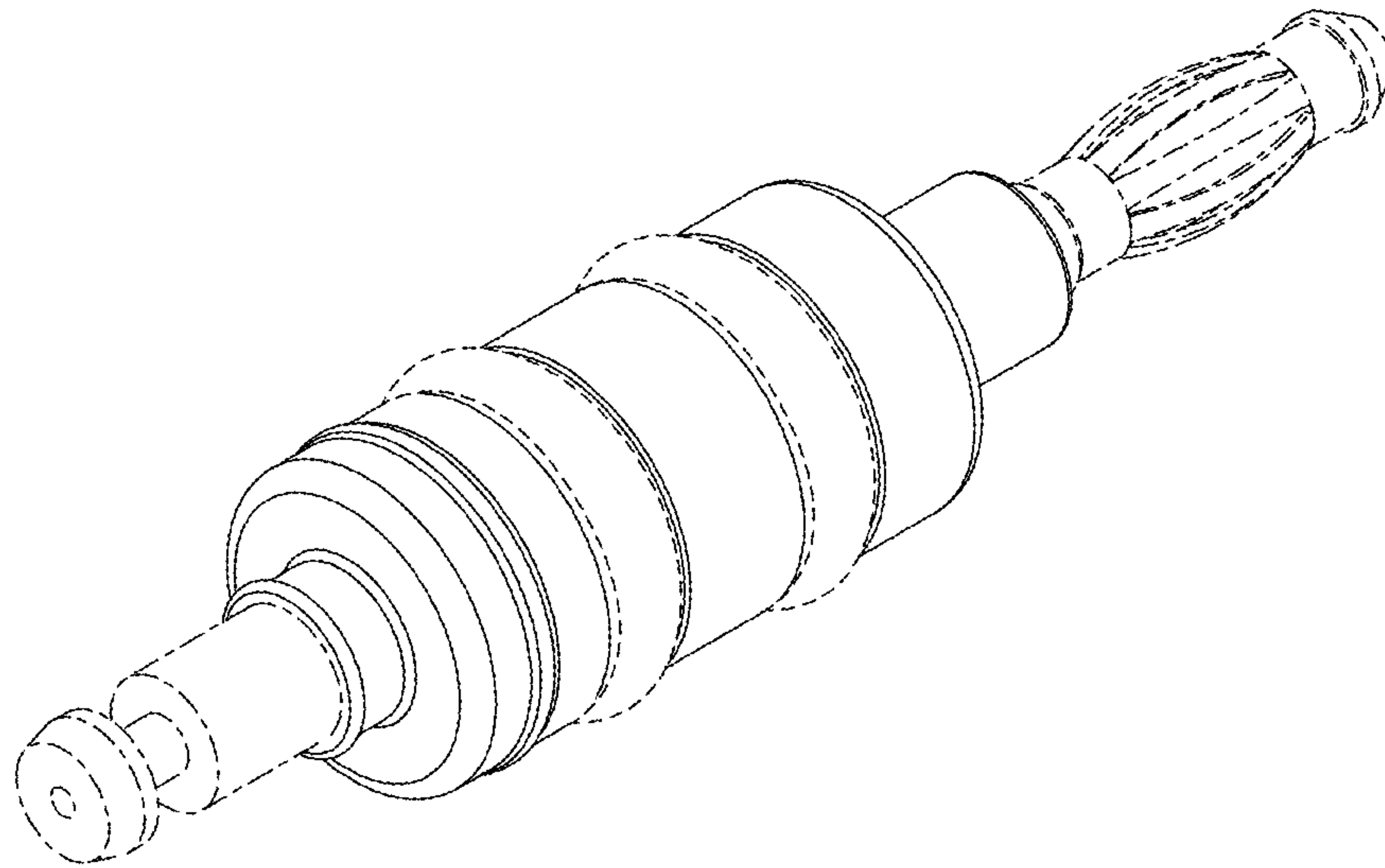


FIG. 1

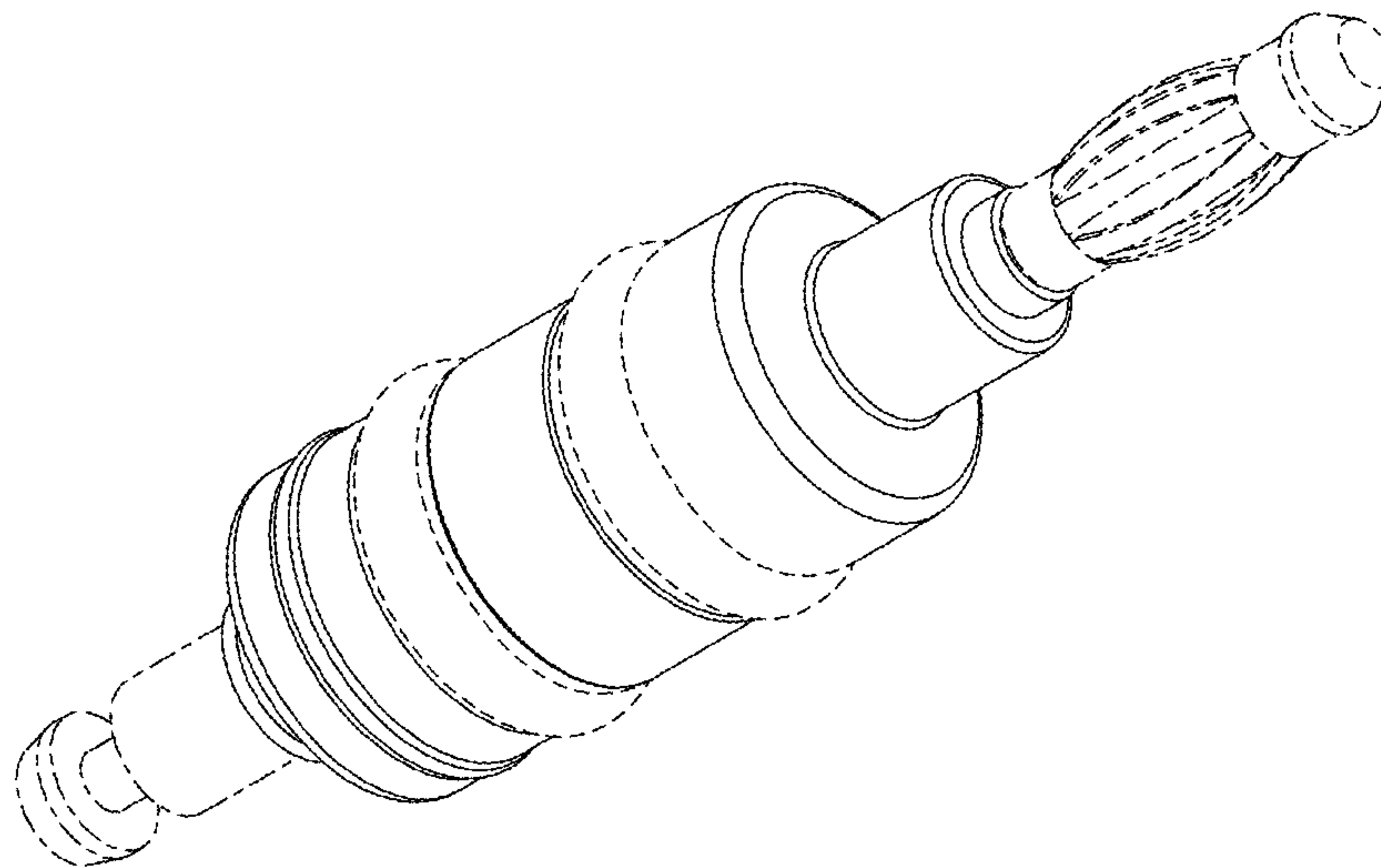


FIG. 2

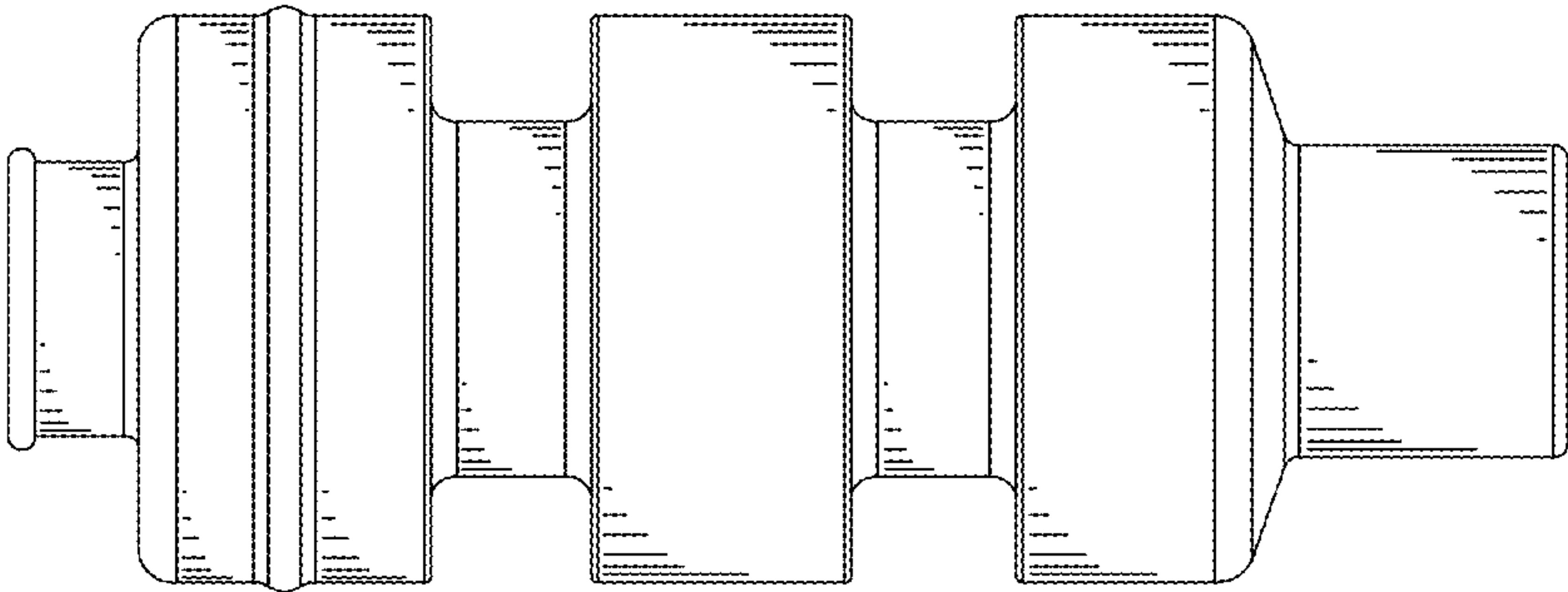


FIG. 3

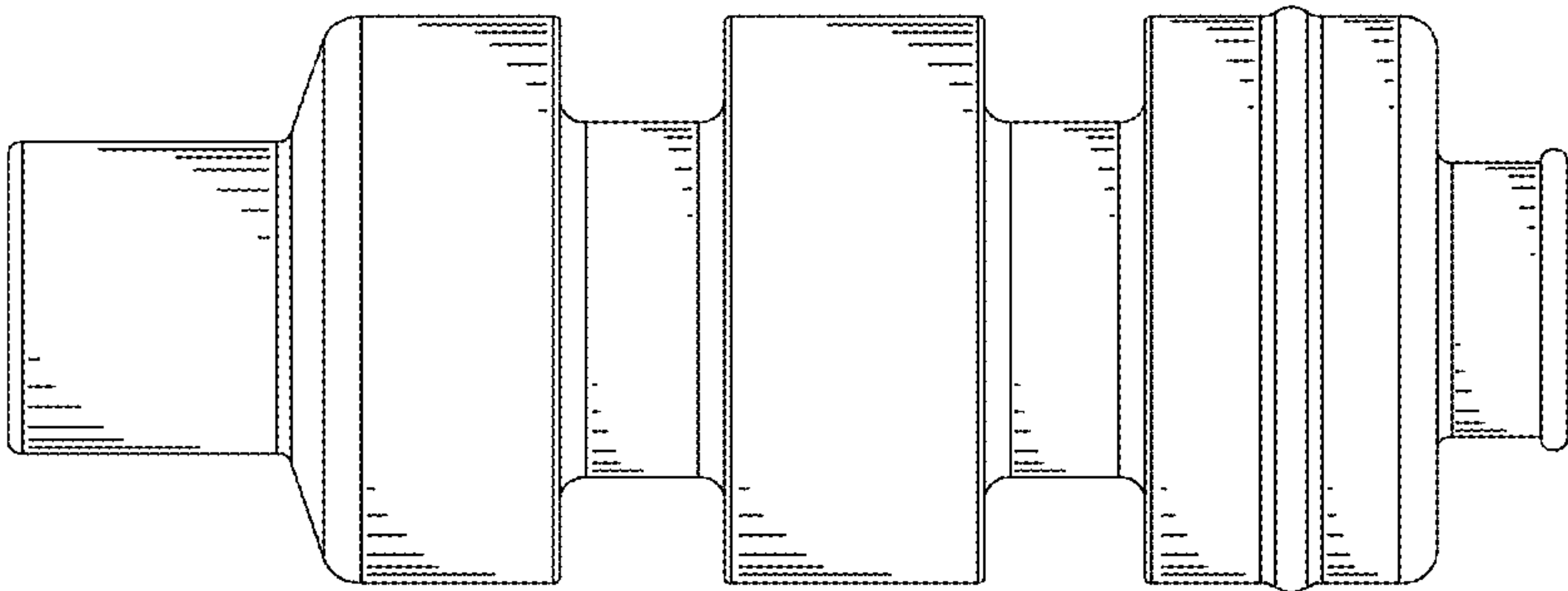


FIG. 4

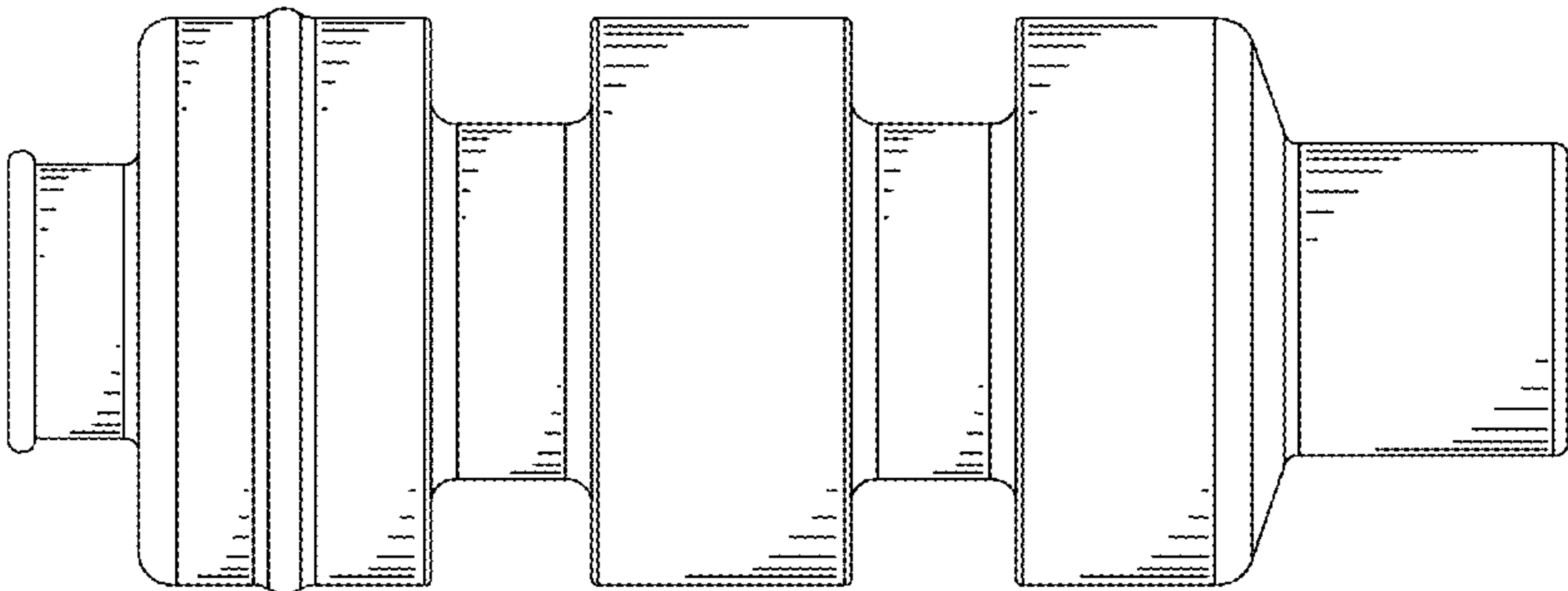


FIG. 5

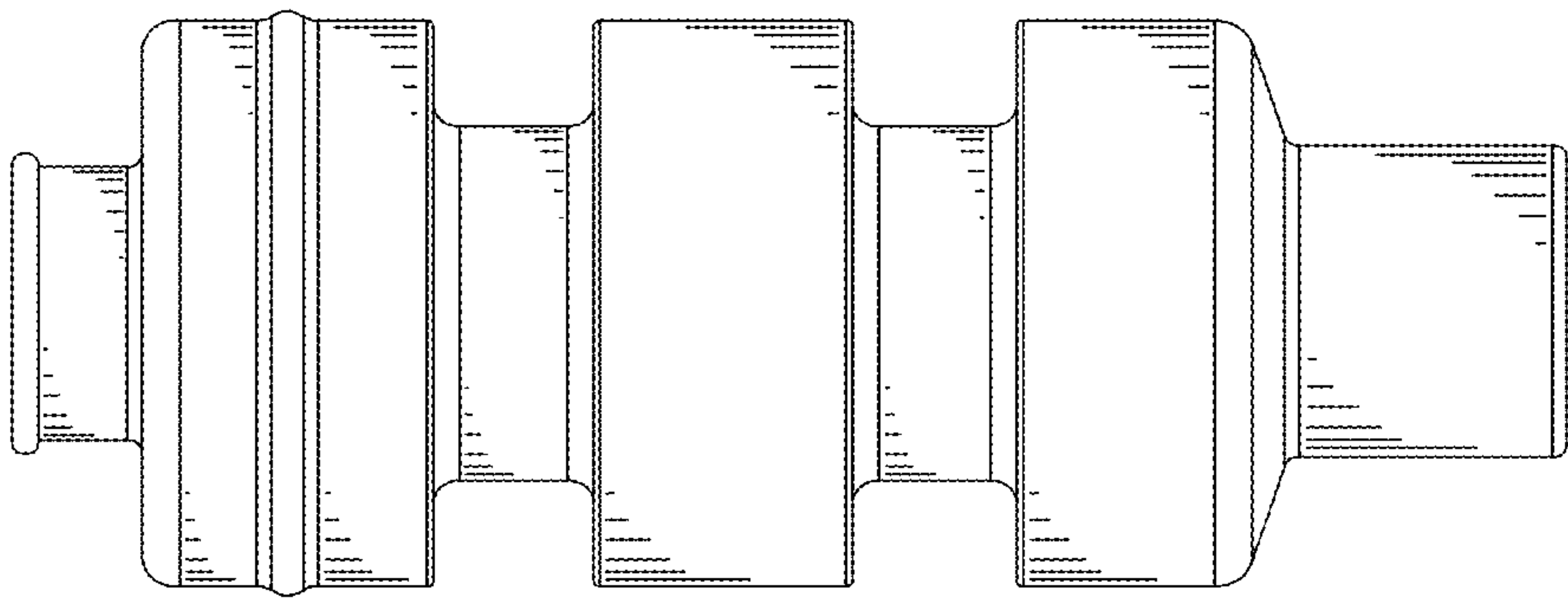


FIG. 6

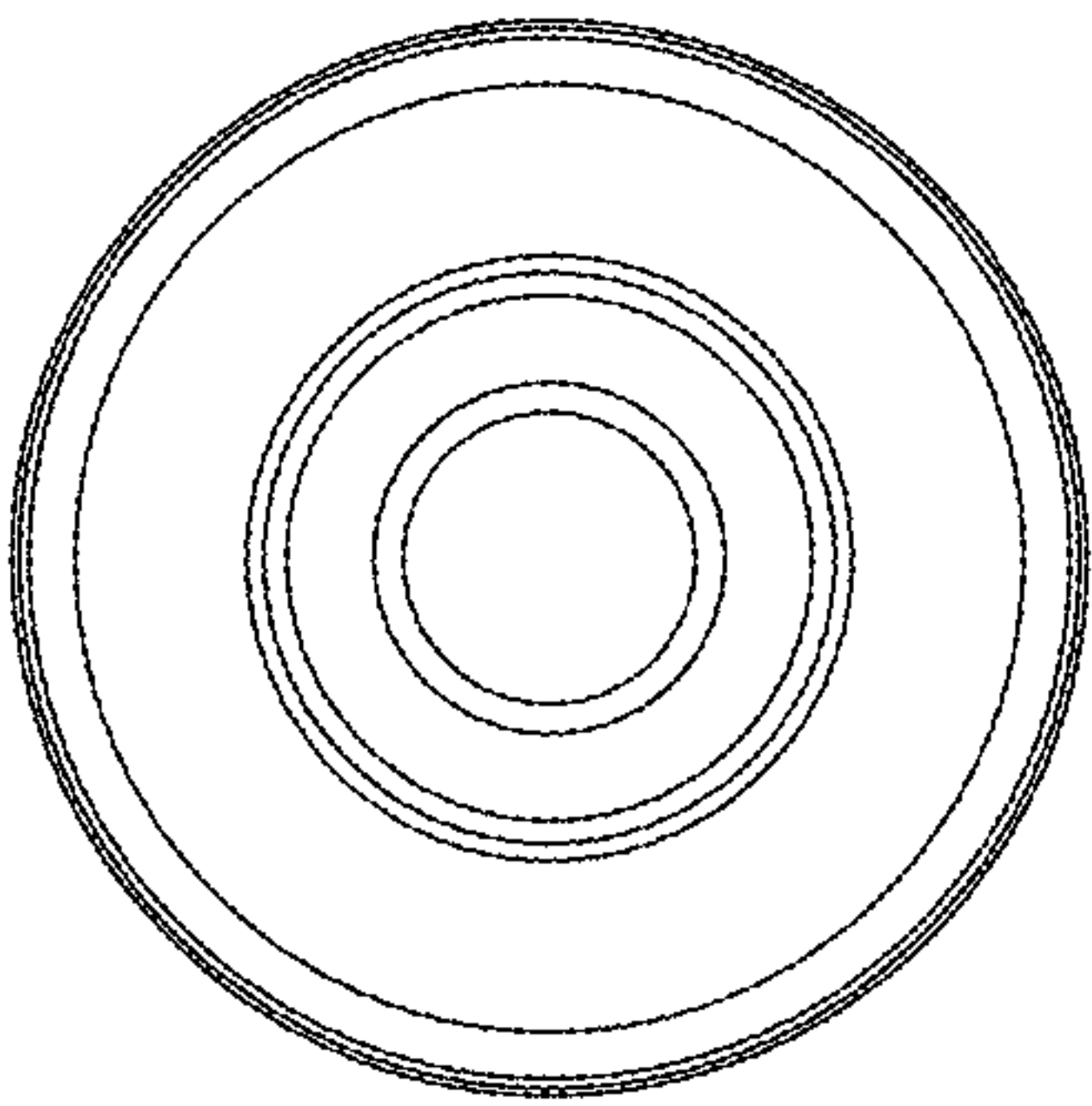


FIG. 7

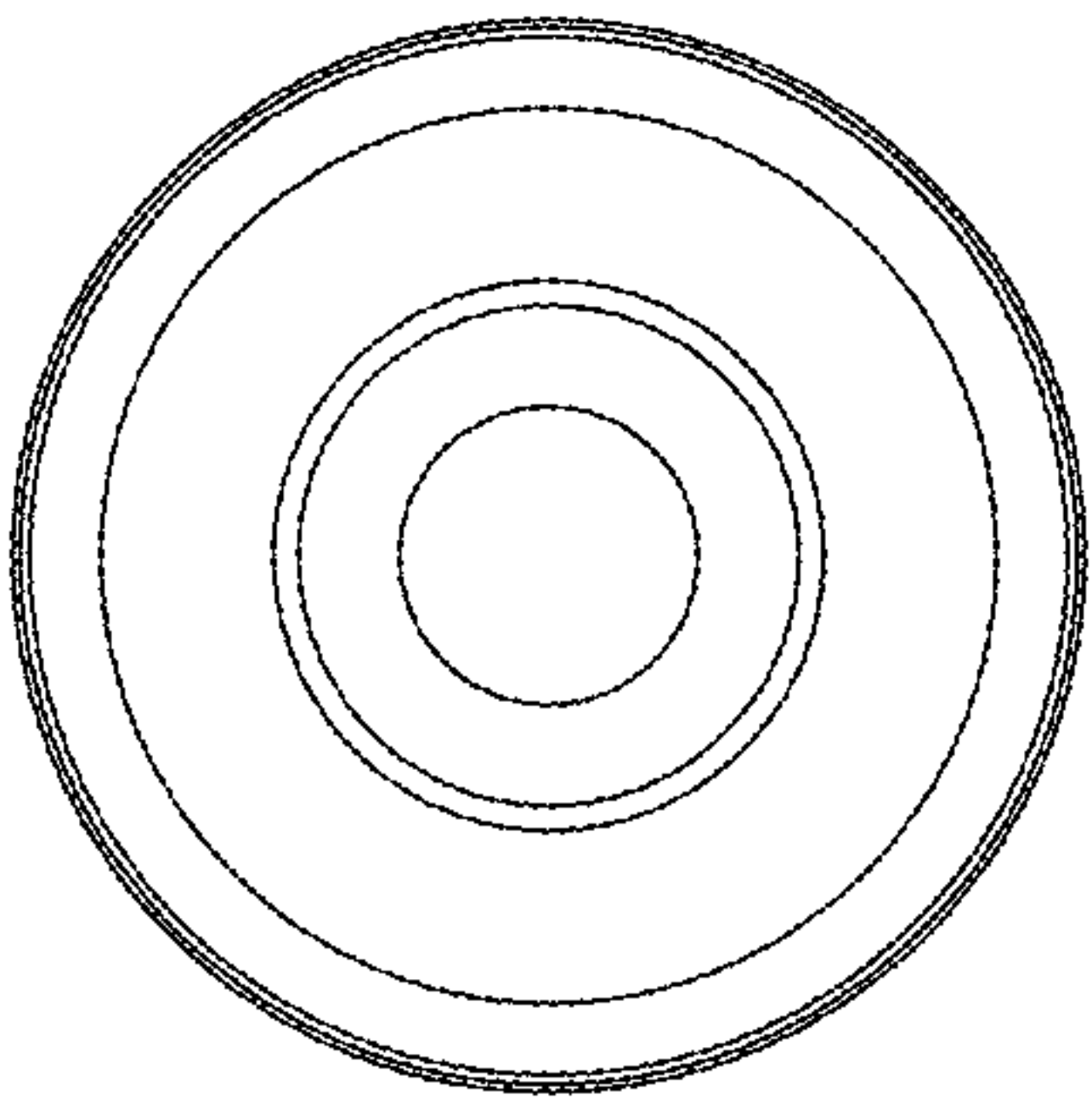


FIG. 8

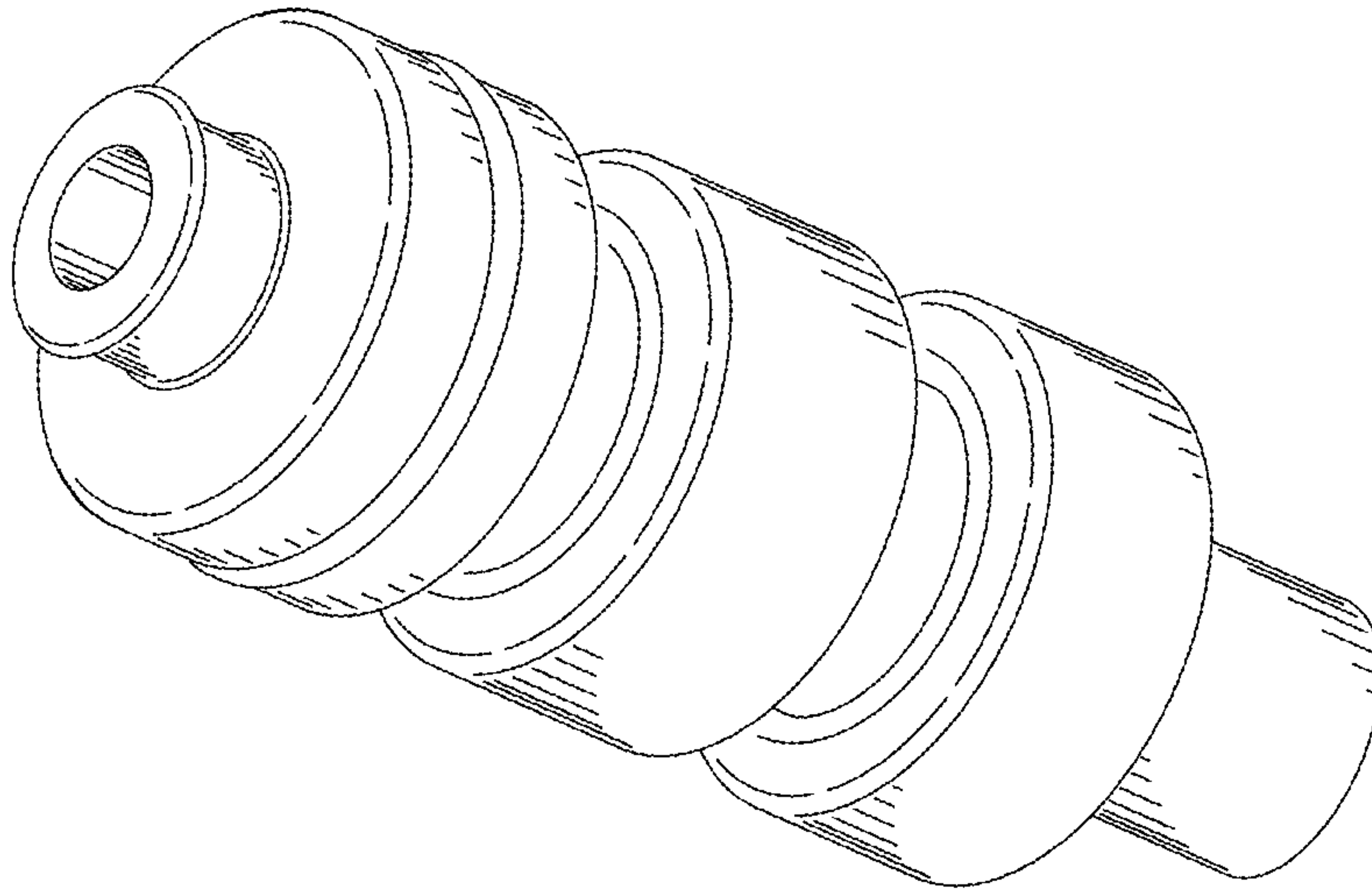


FIG. 9

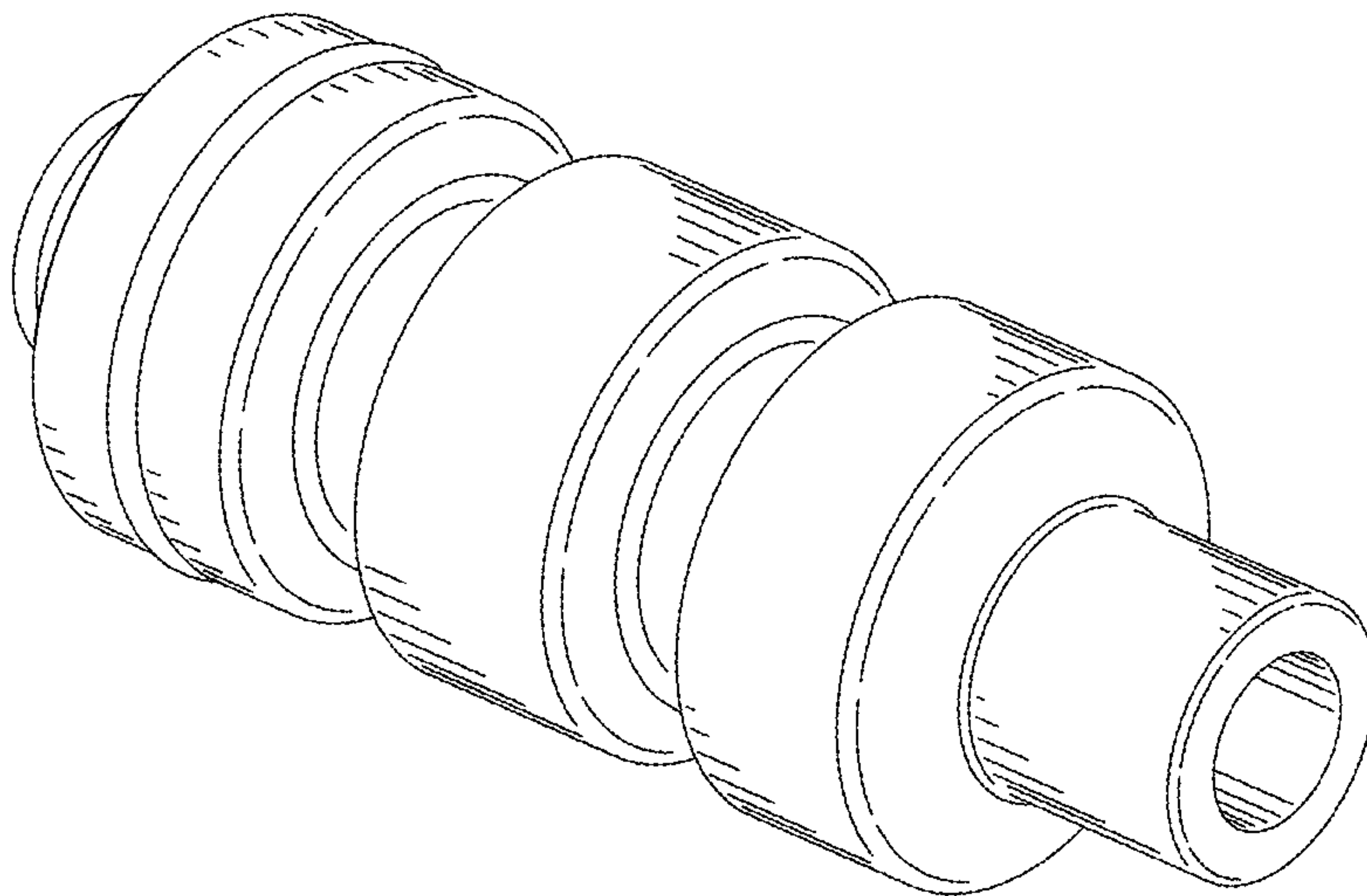


FIG. 10

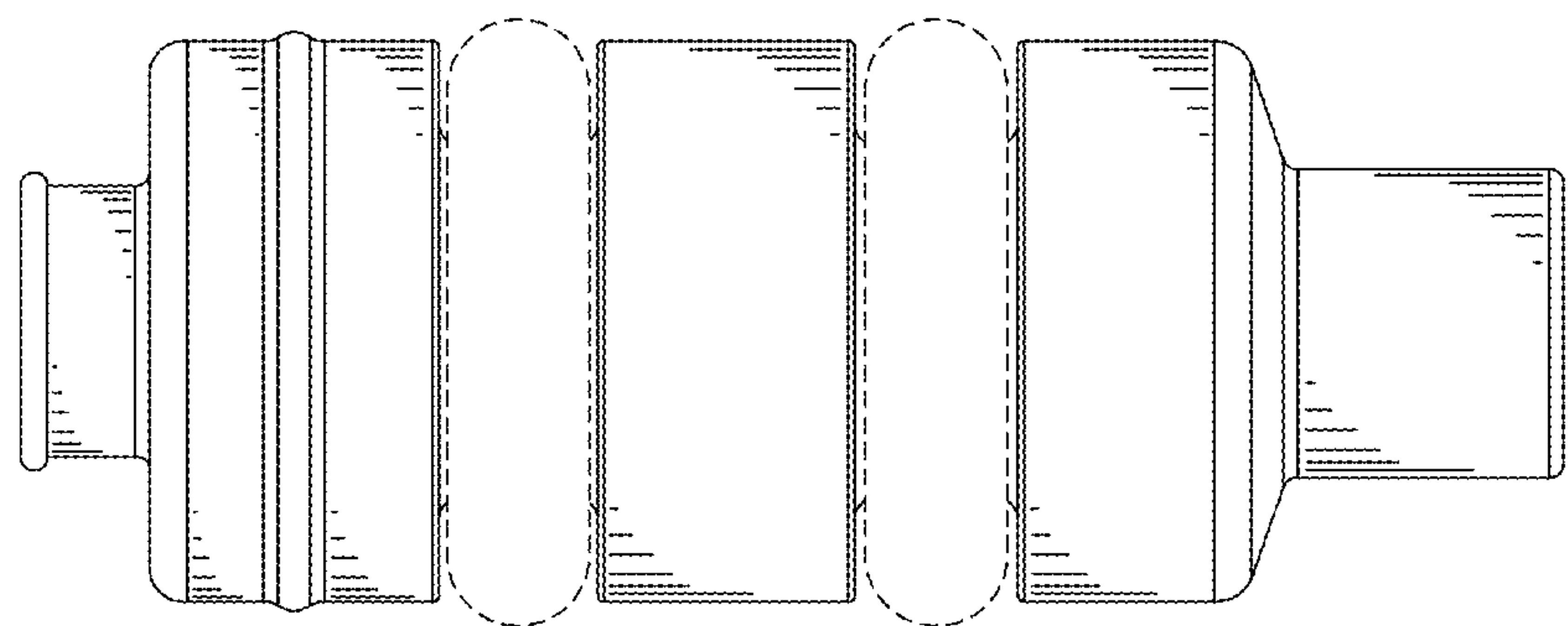


FIG. 11

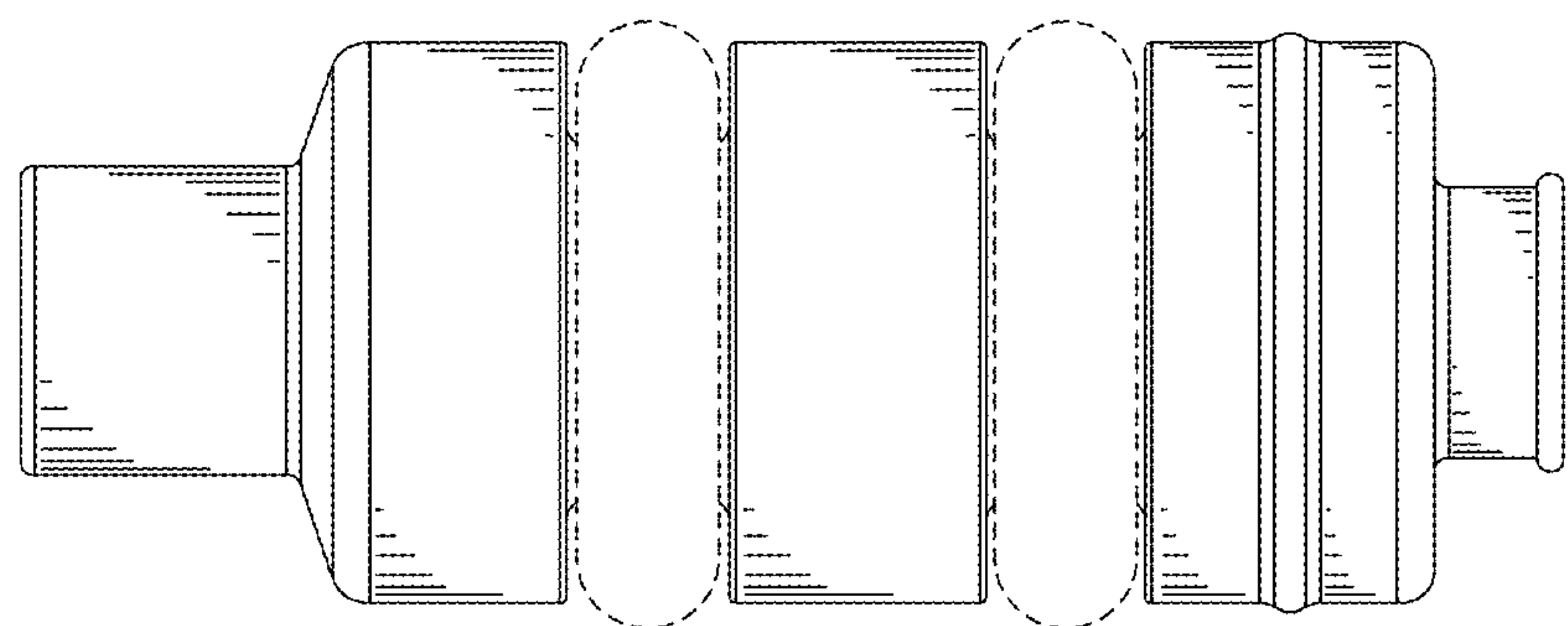


FIG. 12

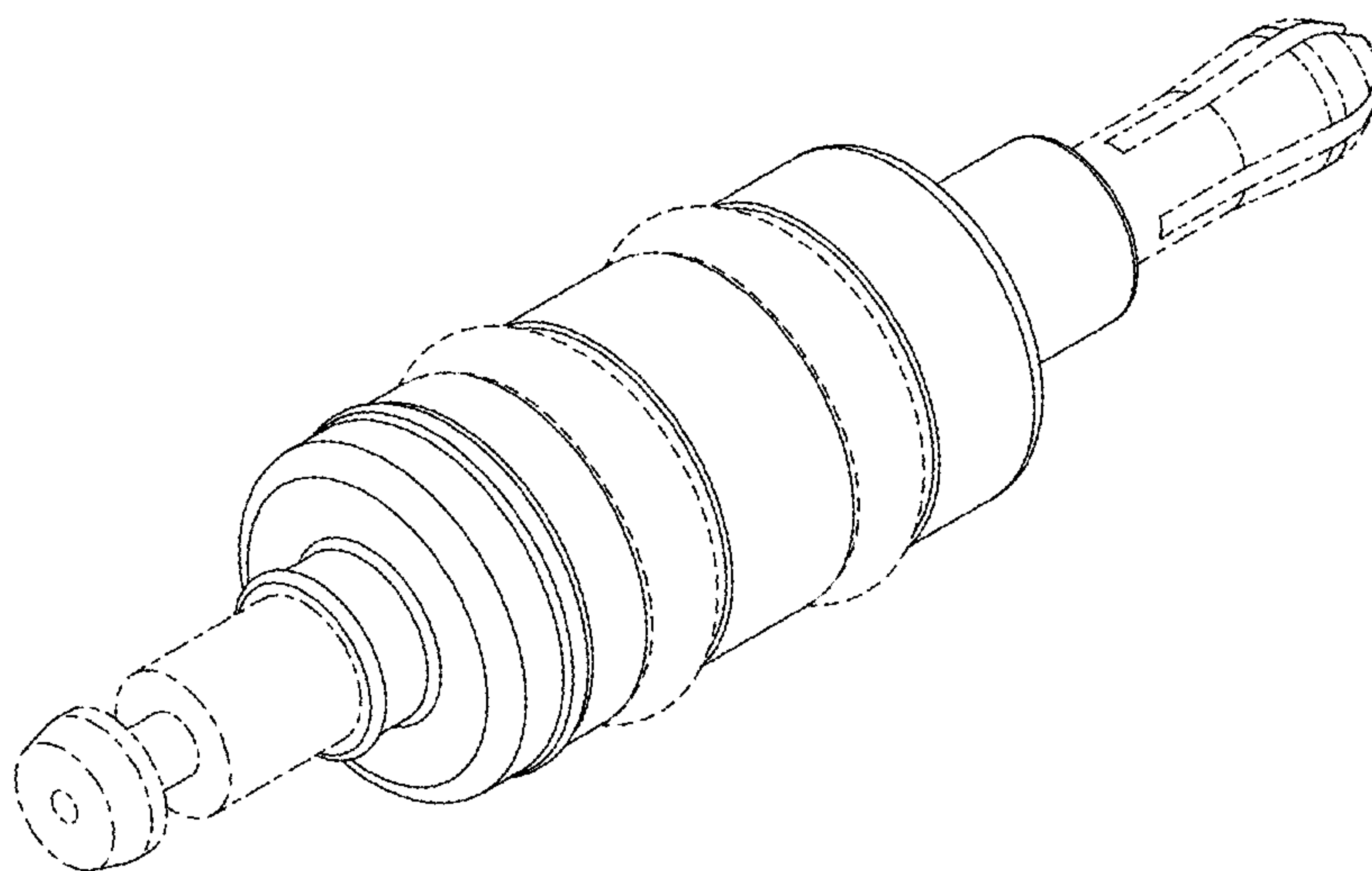


FIG. 13

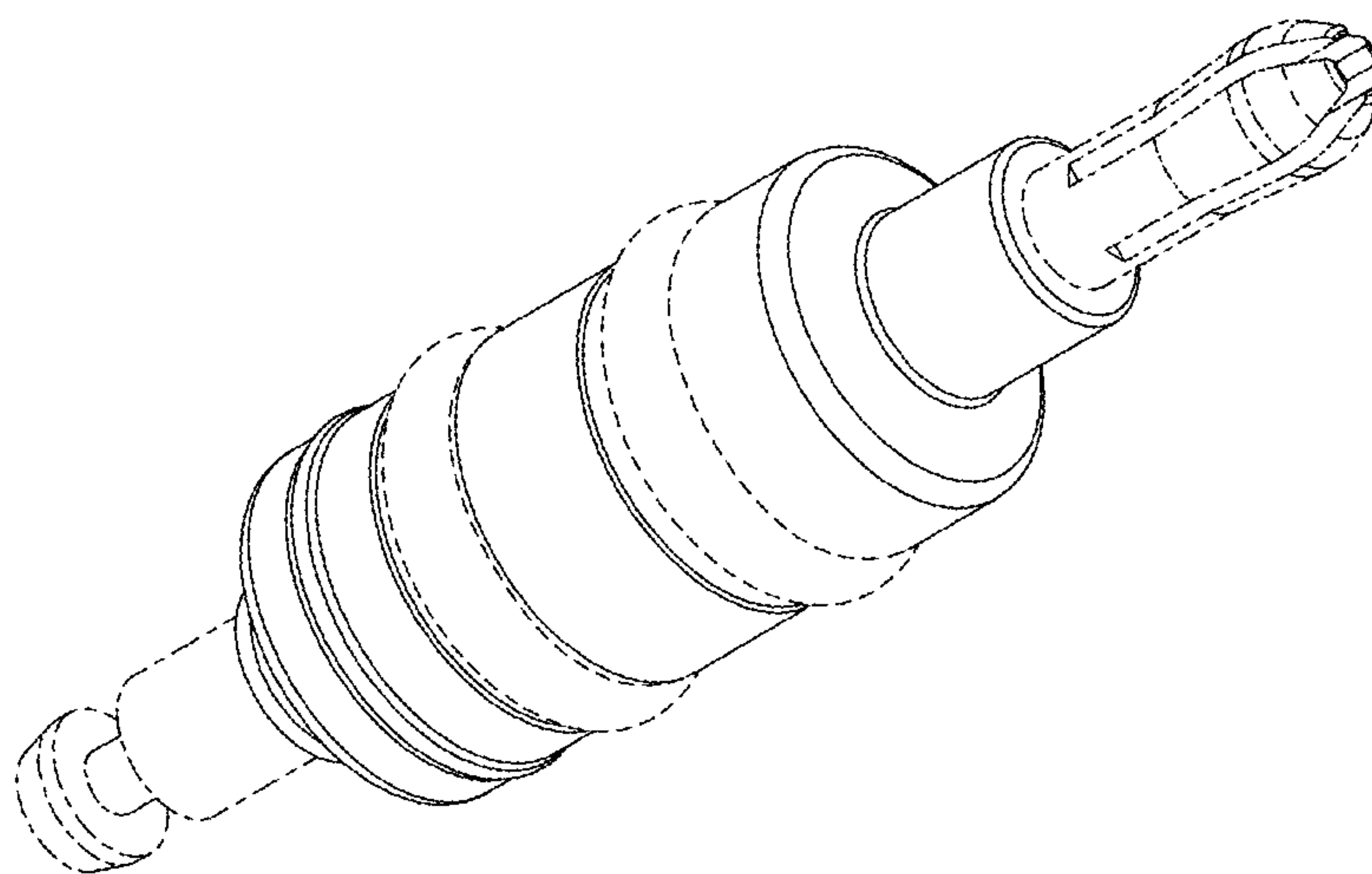


FIG. 14

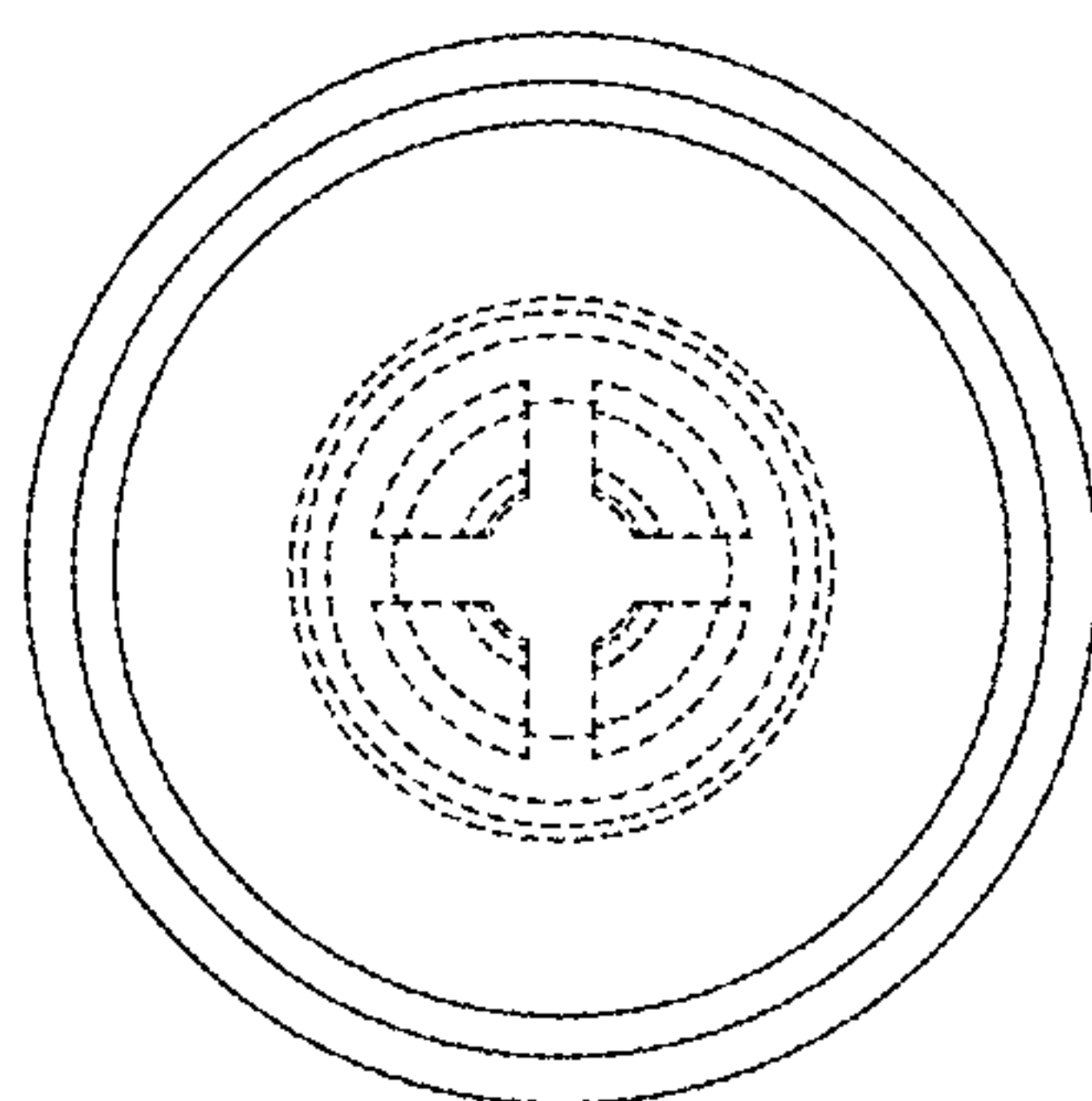


FIG. 15

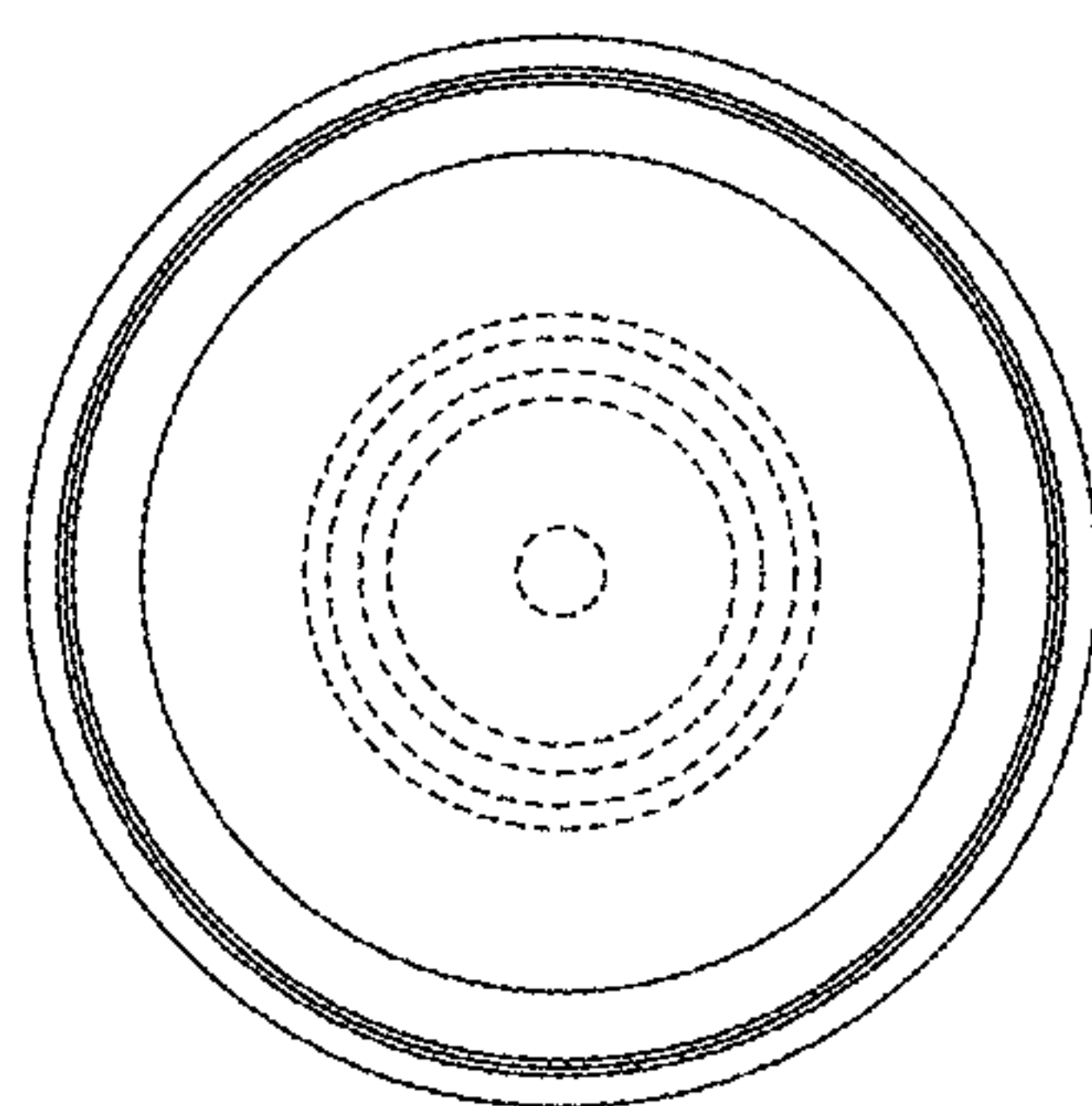


FIG. 16