



US00D821557S

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

(10) **Patent No.:** **US D821,557 S**  
(45) **Date of Patent:** **\*\* Jun. 26, 2018**

(54) **AIR FILTER HOUSING**

(71) Applicant: **ESTA Apparatebau GmbH & Co. KG, Senden (DE)**

(72) Inventors: **Frederik Schaub, Buch (DE); Sebastian Krater, Staig (DE)**

(73) Assignee: **ESTA Apparatebau GmbH & Co. KG, Senden (DE)**

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

(21) Appl. No.: **29/585,123**

(22) Filed: **Nov. 21, 2016**

(30) **Foreign Application Priority Data**

May 20, 2016 (EM) ..... 003143205-0001  
May 20, 2016 (EM) ..... 003143205-0002  
(Continued)

(51) **LOC (11) Cl.** ..... **23-04**

(52) **U.S. Cl.**  
USPC ..... **D23/365**

(58) **Field of Classification Search**  
USPC ..... D23/200, 259, 324, 355-366, 371,  
D23/386-388, 314, 325; D15/9  
(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D367,915 S \* 3/1996 Daugherty ..... D13/162  
D412,567 S \* 8/1999 Ward ..... D23/364  
(Continued)

*Primary Examiner* — Robert M. Spear

*Assistant Examiner* — John A Voytek

(74) *Attorney, Agent, or Firm* — Renner, Otto, Boisselle & Sklar, LLP

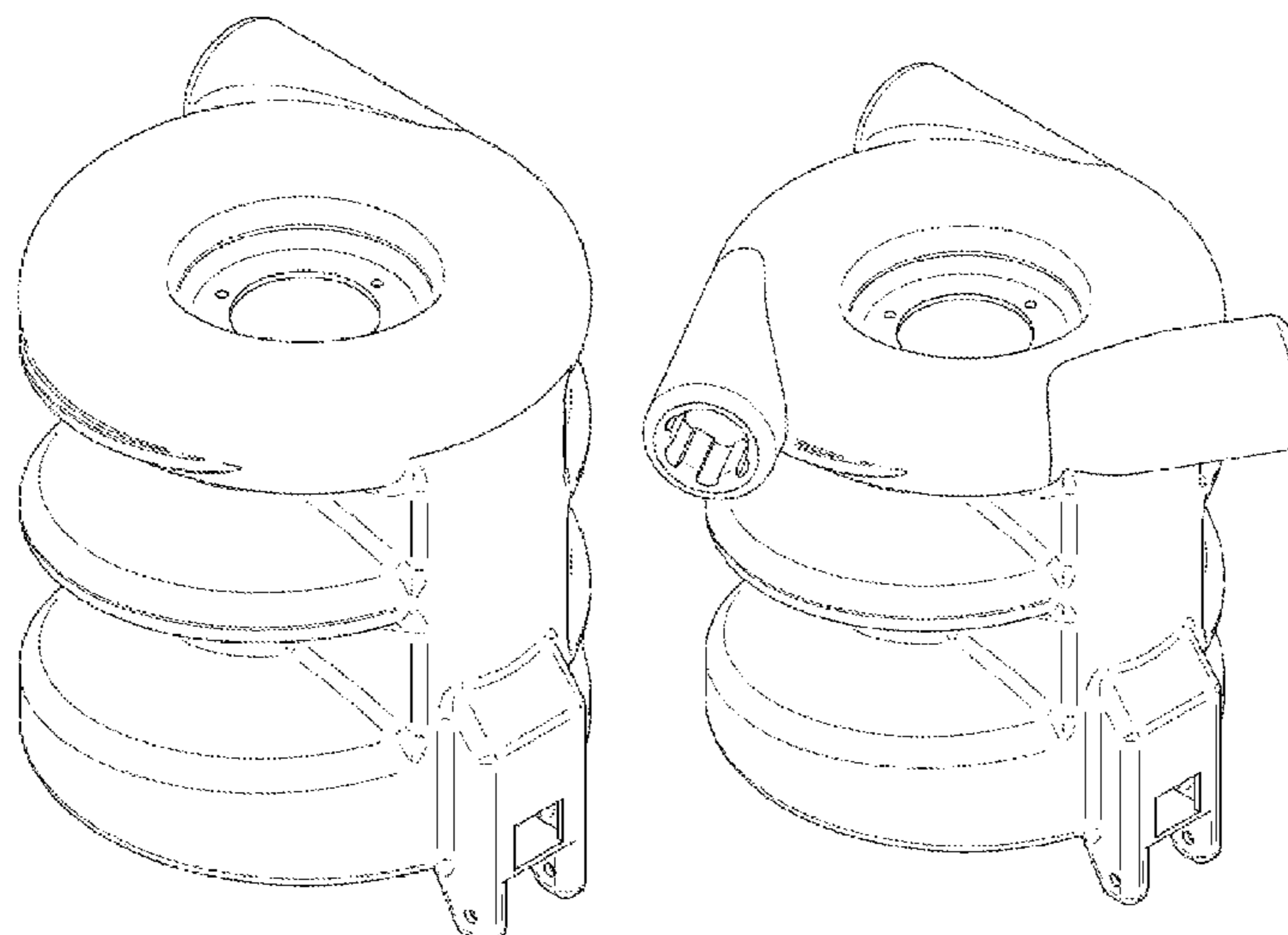
(57) **CLAIM**

The ornamental design for a air filter housing, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a first embodiment of a air filter housing showing our design.  
FIG. 2 is a right side view thereof.  
FIG. 3 is a front view thereof.  
FIG. 4 is a rear view thereof.  
FIG. 5 is a left side view thereof.  
FIG. 6 is a top view thereof.  
FIG. 7 is another perspective view thereof.  
FIG. 8 is a perspective view of a second embodiment.  
FIG. 9 is a rear view thereof.  
FIG. 10 is a left side view thereof.  
FIG. 11 is a front view thereof.  
FIG. 12 is another perspective view thereof.  
FIG. 13 is a top view thereof.  
FIG. 14 is a right side view thereof.  
FIG. 15 is a perspective view of a third embodiment.  
FIG. 16 is a right side view thereof.  
FIG. 17 is a rear view thereof.  
FIG. 18 is a front view thereof.  
FIG. 19 is a top view thereof.  
FIG. 20 is another perspective view thereof.  
FIG. 21 is a left side view thereof.  
FIG. 22 is a perspective view of a fourth embodiment.  
FIG. 23 is a right side view thereof.  
FIG. 24 is a rear view thereof.  
FIG. 25 is a front view thereof.  
FIG. 26 is a left side view thereof.  
FIG. 27 is a top view thereof.  
FIG. 28 is another perspective view thereof.  
FIG. 29 is a front view of a fifth embodiment.  
FIG. 30 is a right side view thereof.  
FIG. 31 is a perspective view thereof.  
FIG. 32 is another perspective view thereof.  
FIG. 33 is a rear view thereof.  
FIG. 34 is a left side view thereof; and,  
FIG. 35 is a top view thereof.

**1 Claim, 18 Drawing Sheets**



(30) **Foreign Application Priority Data**

May 20, 2016 (EM) ..... 003143205-0003  
May 20, 2016 (EM) ..... 003143205-0004  
May 20, 2016 (EM) ..... 003143205-0005

(58) **Field of Classification Search**

CPC ..... A62B 23/00; A61L 9/12; B01D 46/00;  
B01D 46/0002; B01D 46/0004; B01D  
46/10; F02M 35/024

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D416,317 S \* 11/1999 Bellil ..... D23/364  
D485,339 S \* 1/2004 Klug ..... D23/365  
7,662,203 B2 \* 2/2010 Scott ..... B01D 46/0001  
55/498  
8,273,143 B2 \* 9/2012 Coulonvaux ..... B01D 46/0005  
55/344  
D705,412 S \* 5/2014 Dworatzek ..... D23/365  
D752,727 S \* 3/2016 Tracey ..... D23/360  
D762,293 S \* 7/2016 Grosche ..... D23/365  
D762,834 S \* 8/2016 Kaufmann ..... D23/365  
D785,139 S \* 4/2017 Gansler ..... D23/259  
2011/0008158 A1 \* 1/2011 Boening ..... F01D 25/24  
415/200  
2011/0217162 A1 \* 9/2011 Dillon ..... F04D 29/4206  
415/207

\* cited by examiner

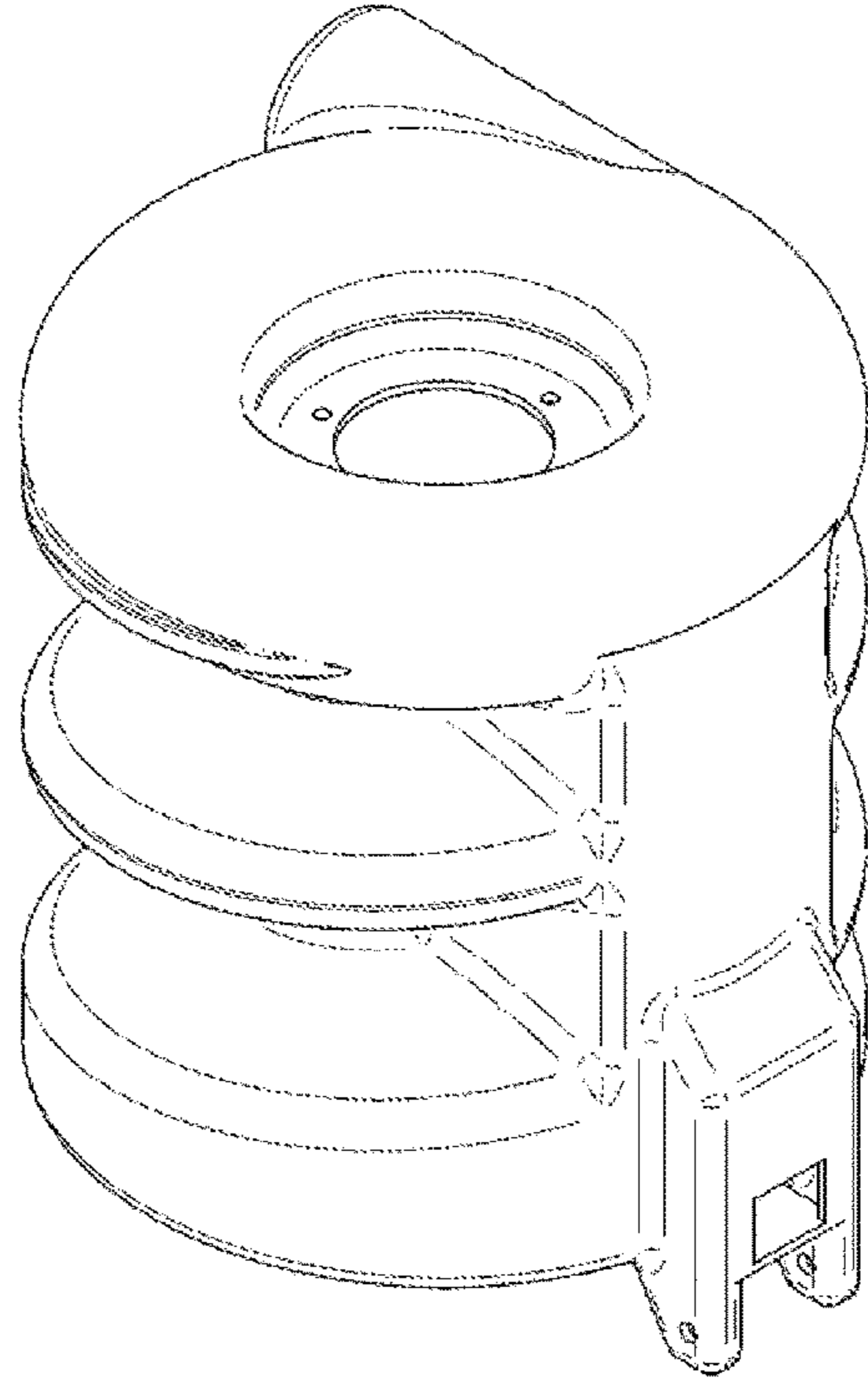


FIG. 1

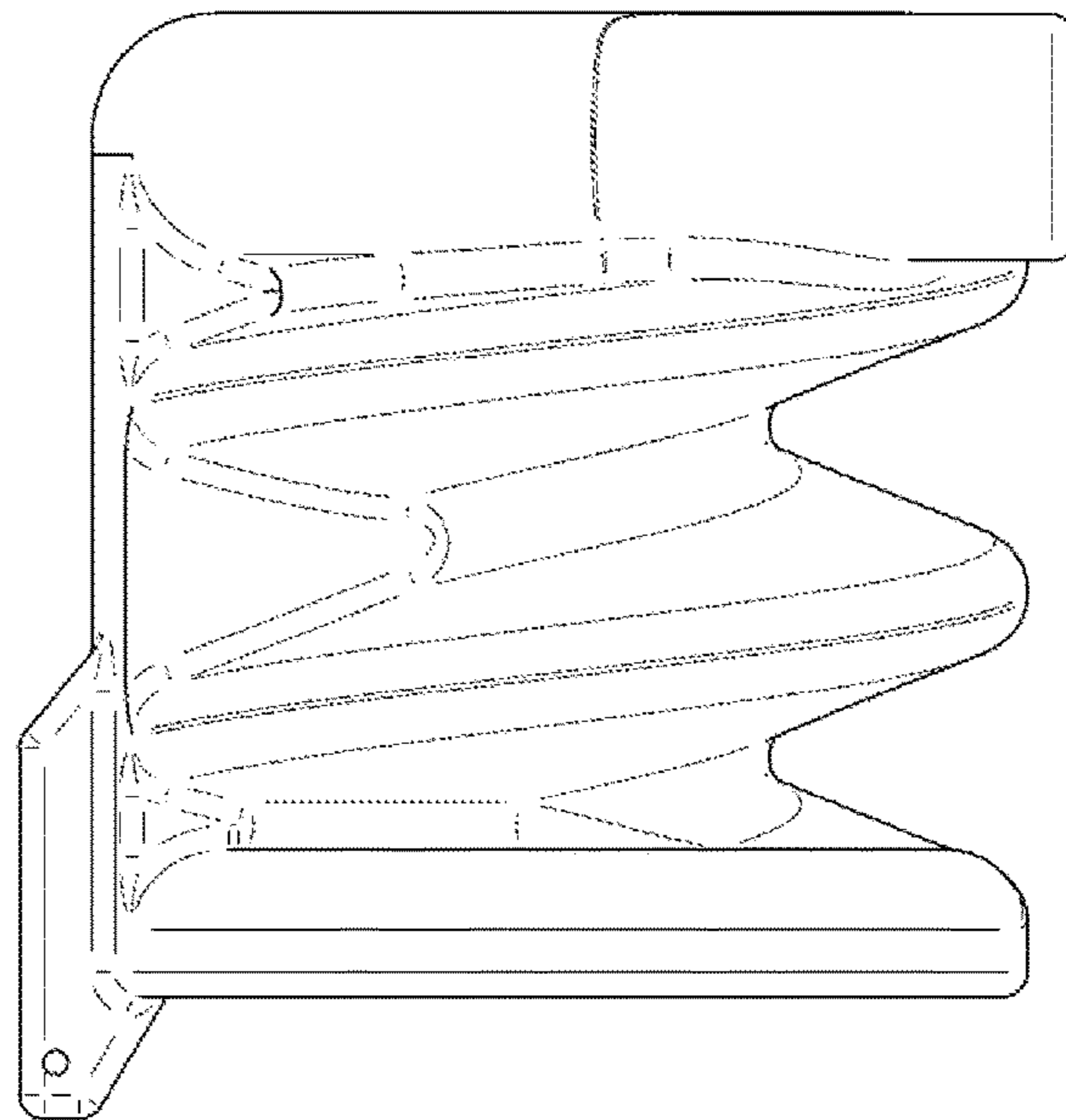


FIG. 2

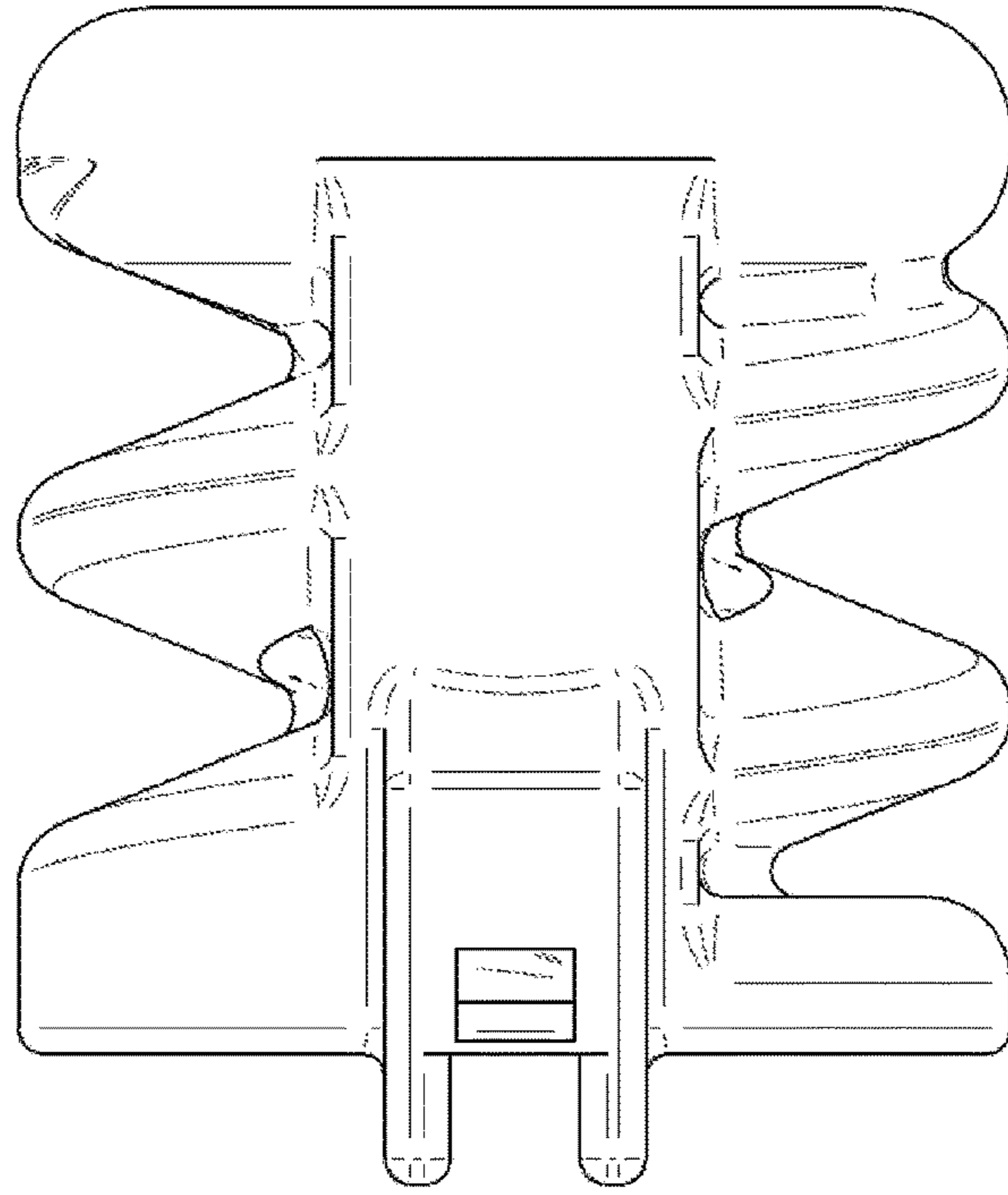


FIG. 3

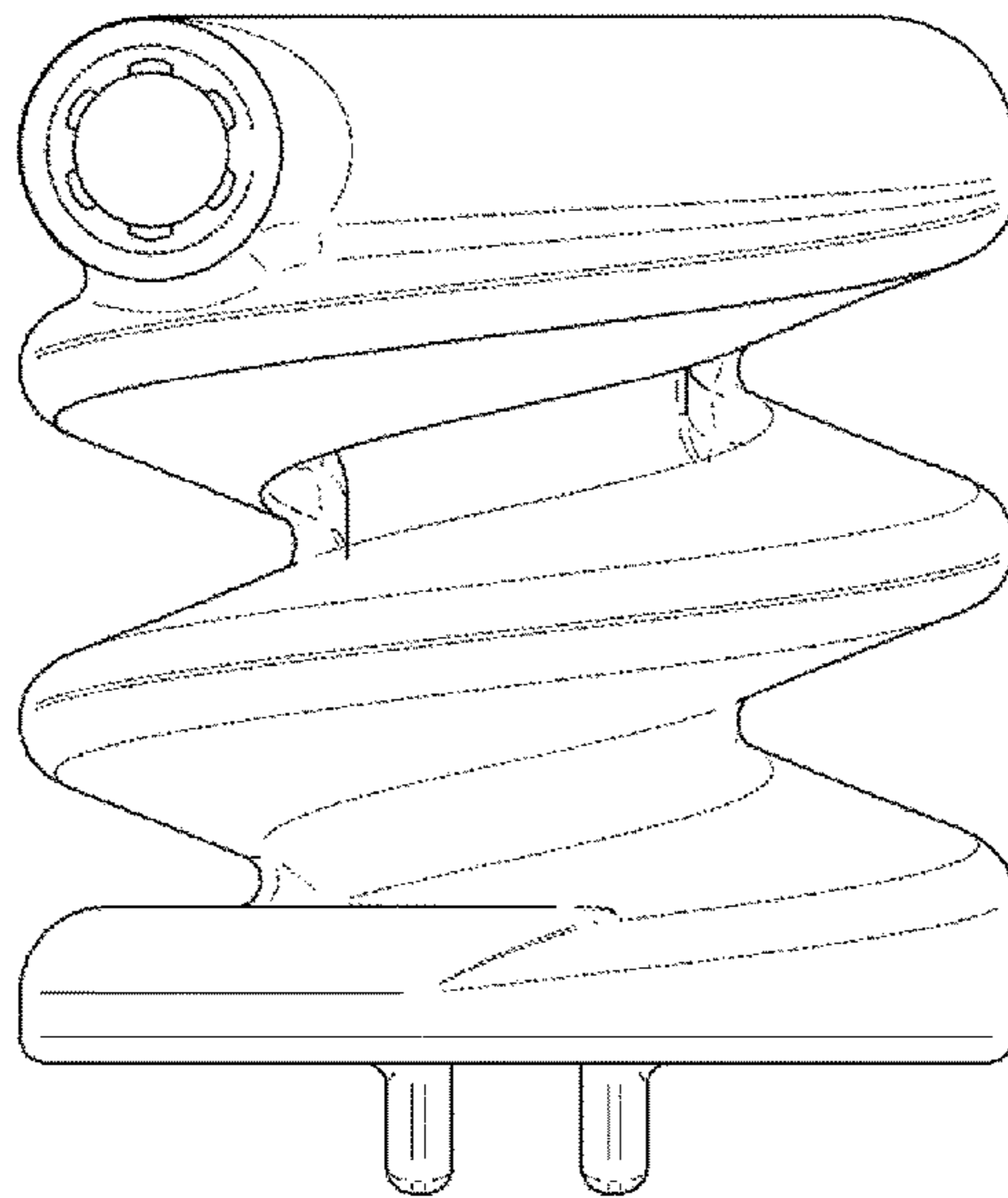


FIG. 4

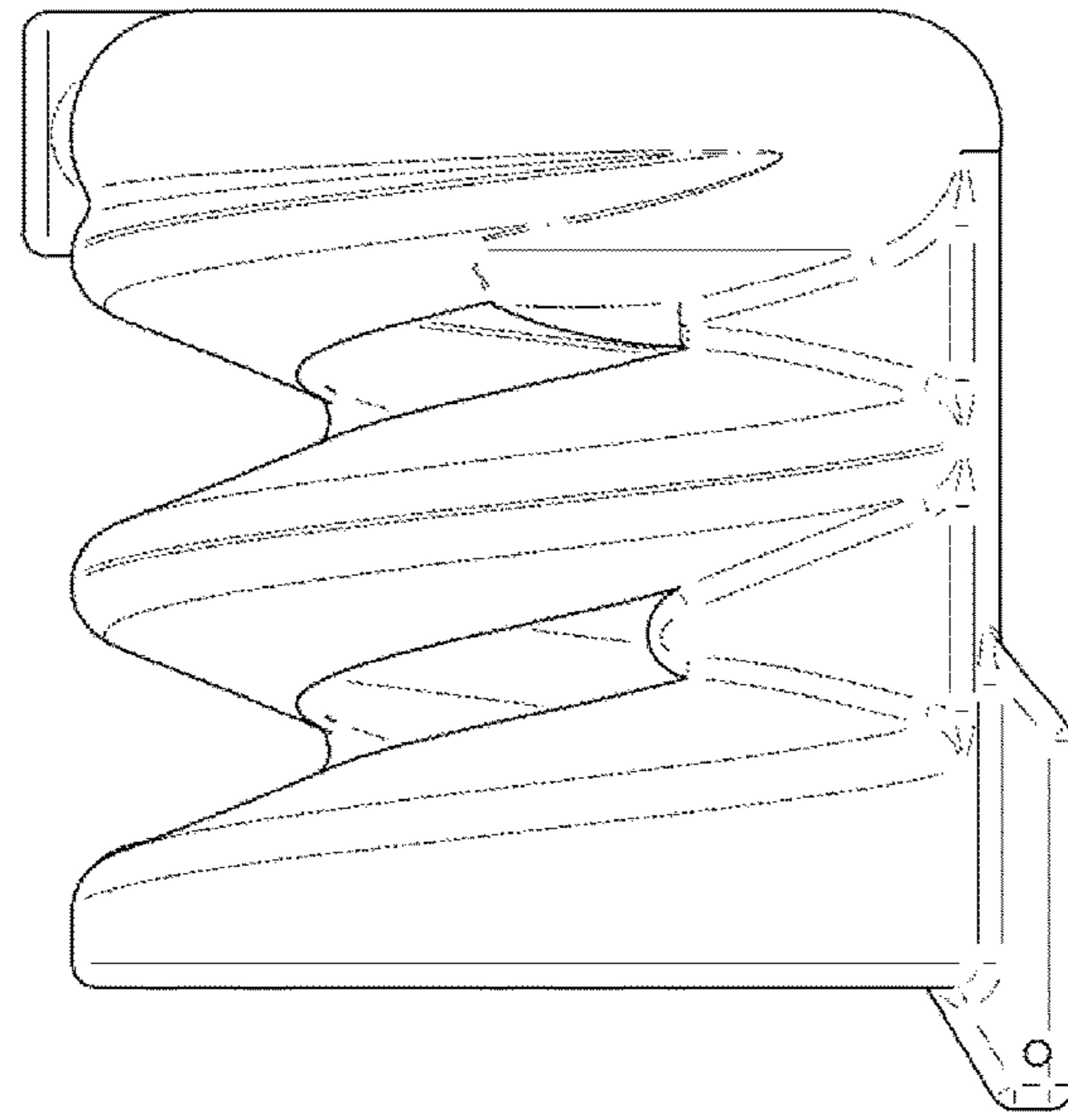


FIG. 5

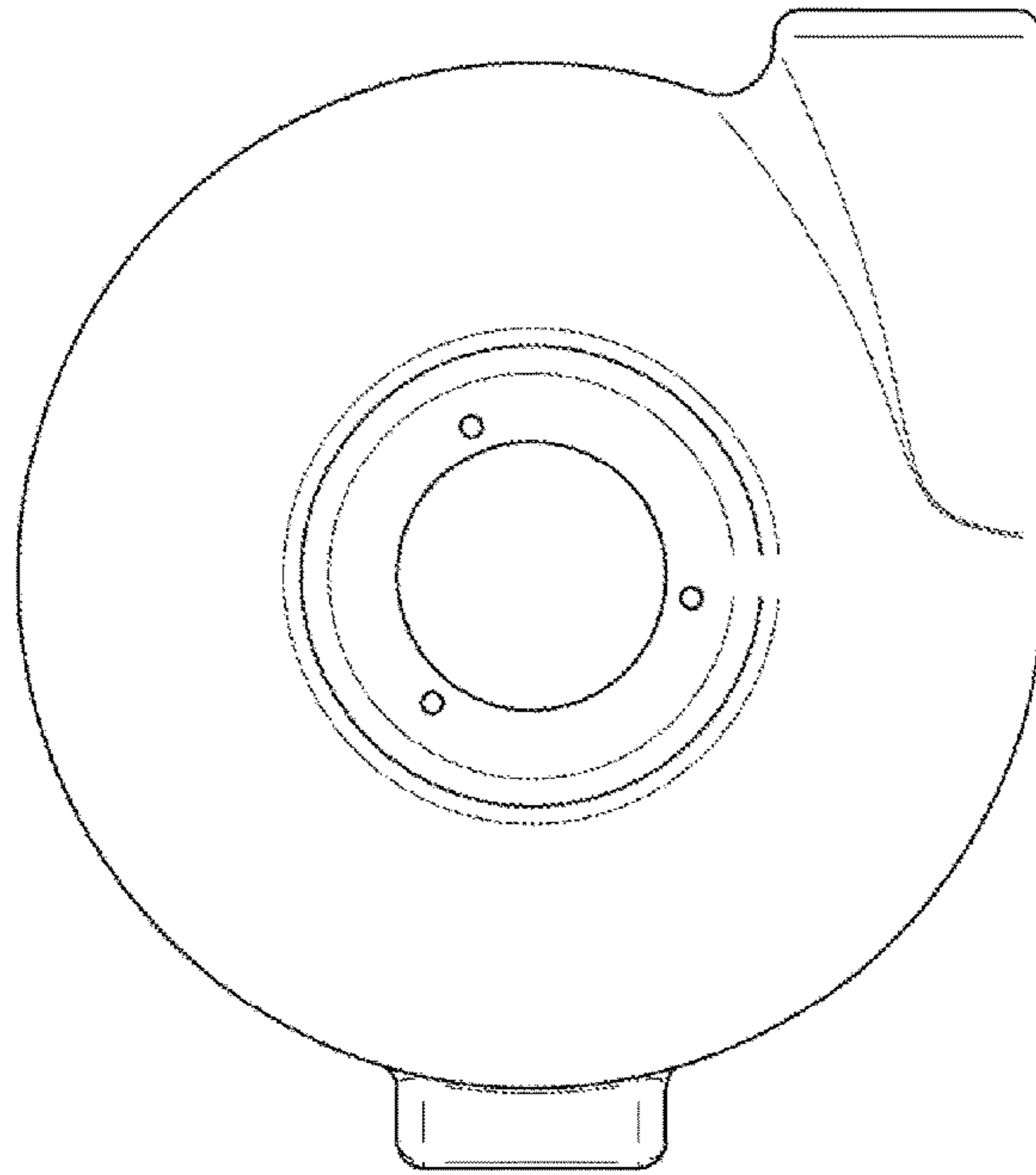


FIG. 6

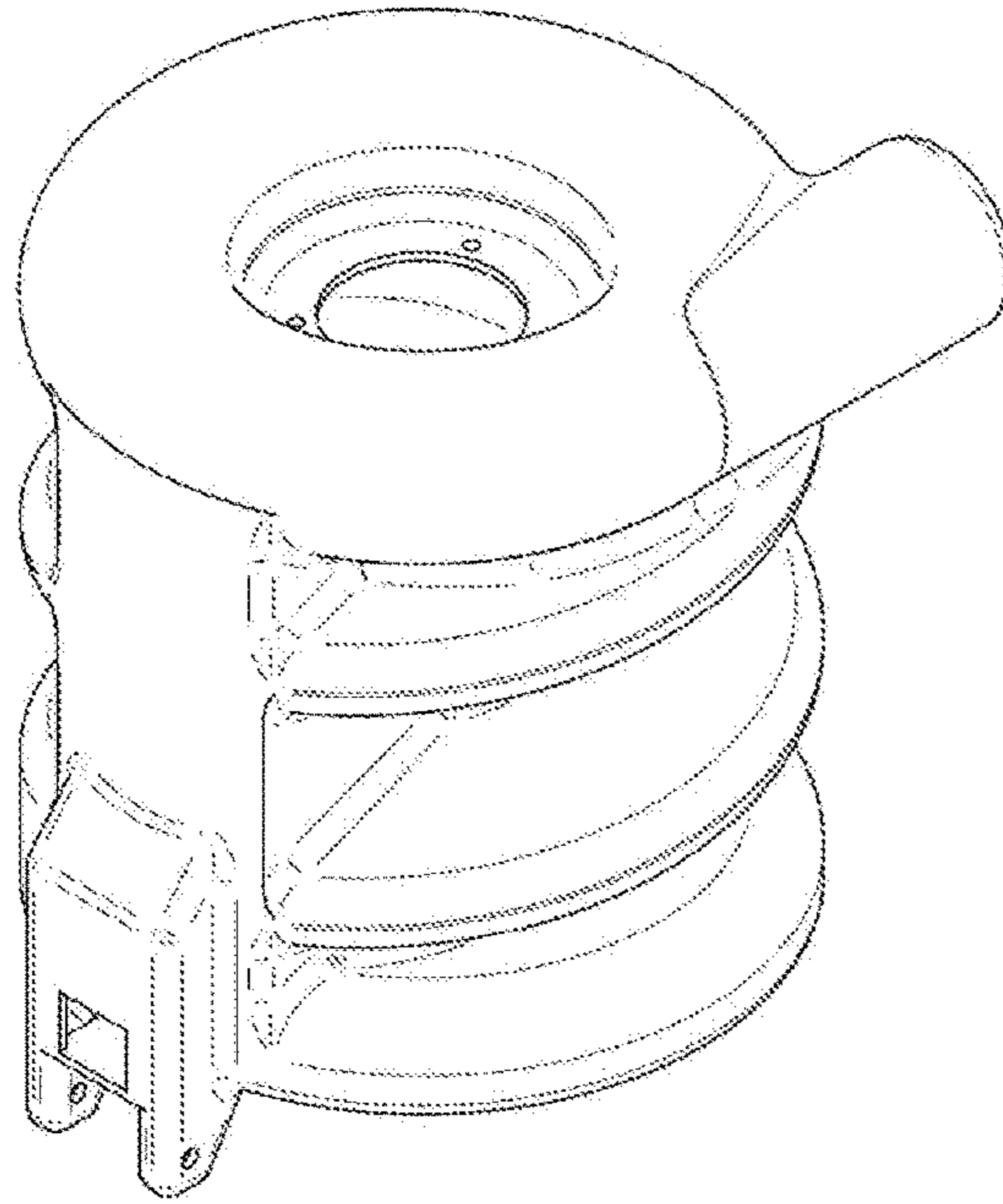


FIG. 7

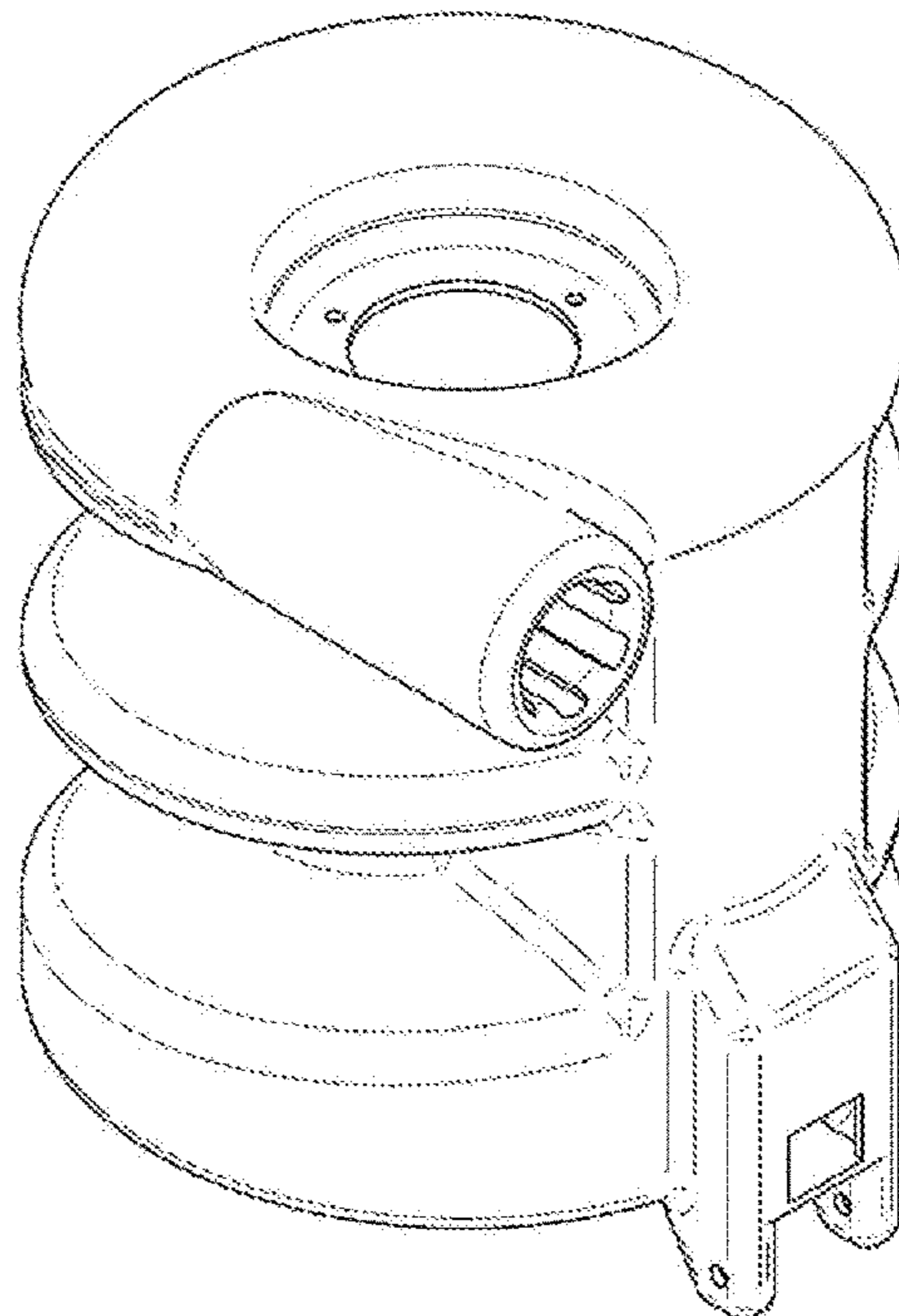


FIG. 8

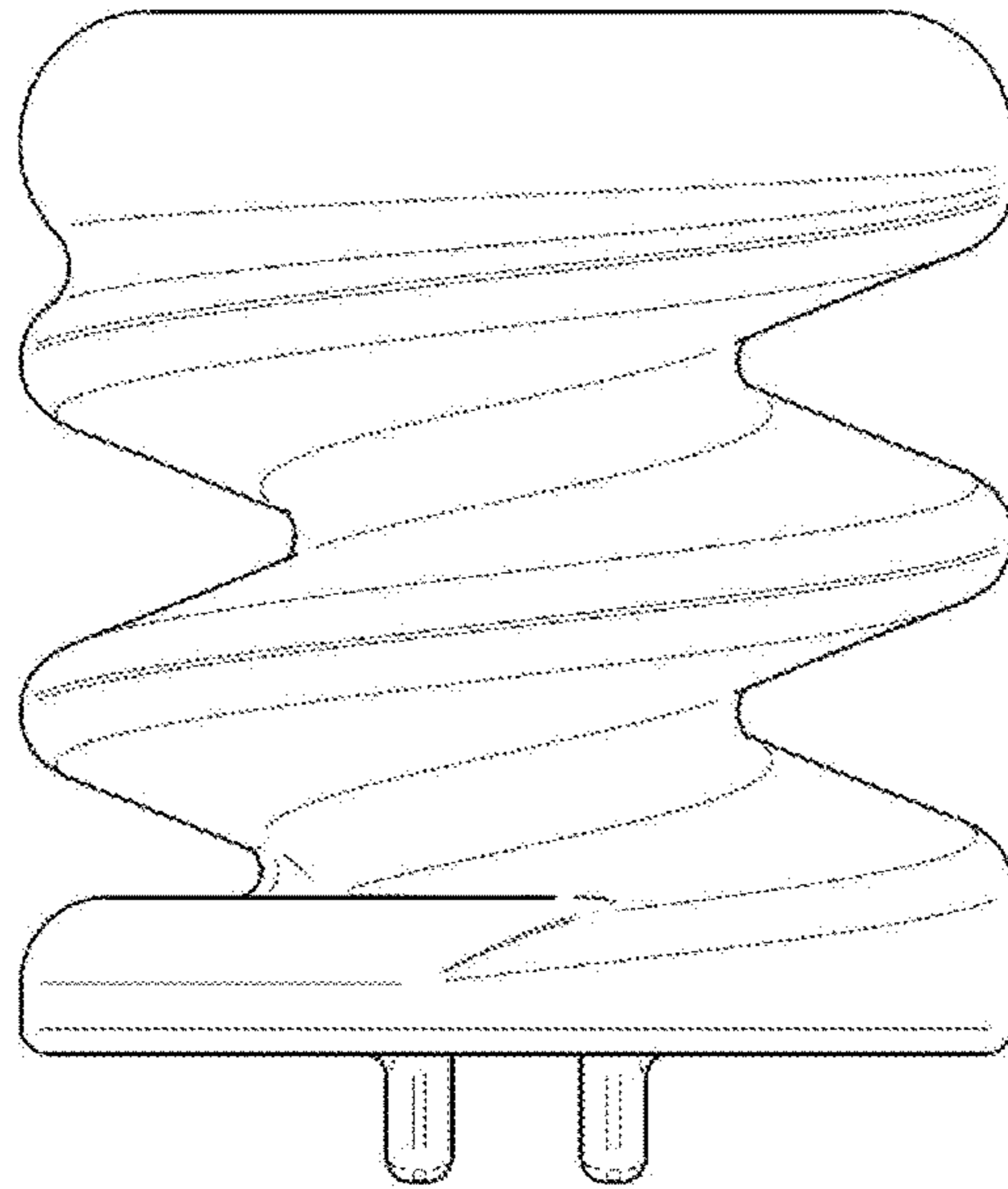


FIG. 9

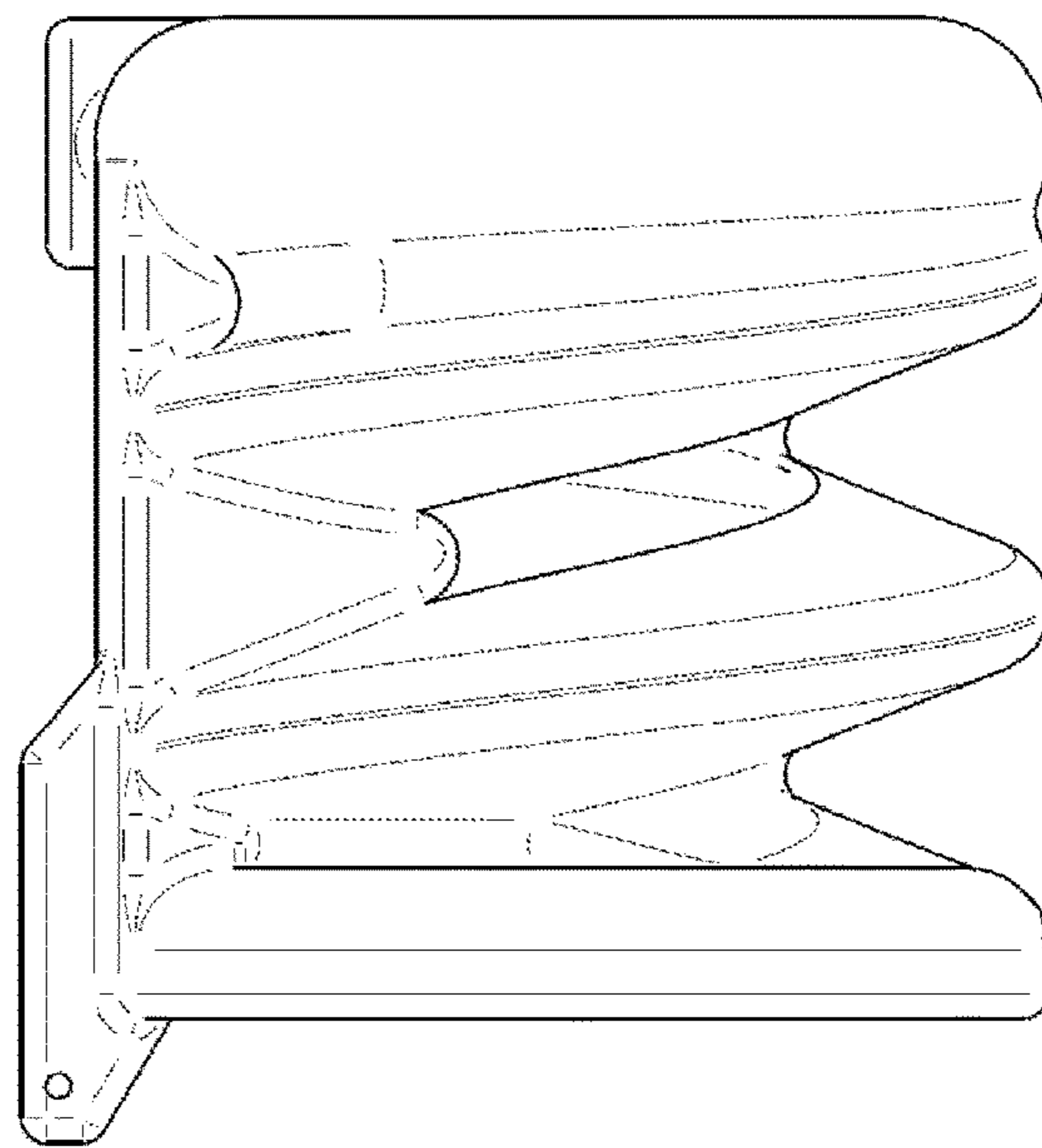


FIG. 10

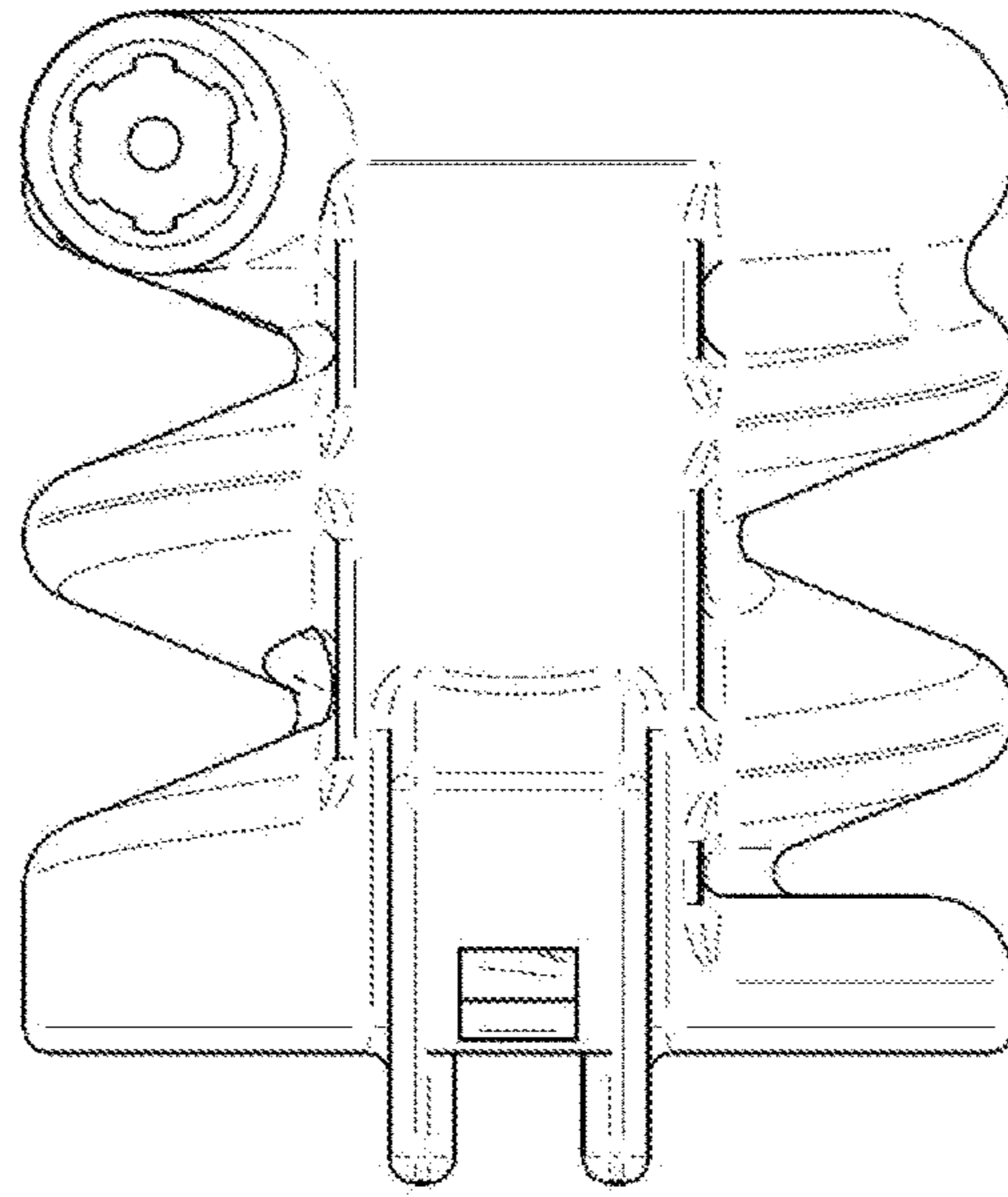


FIG. 11

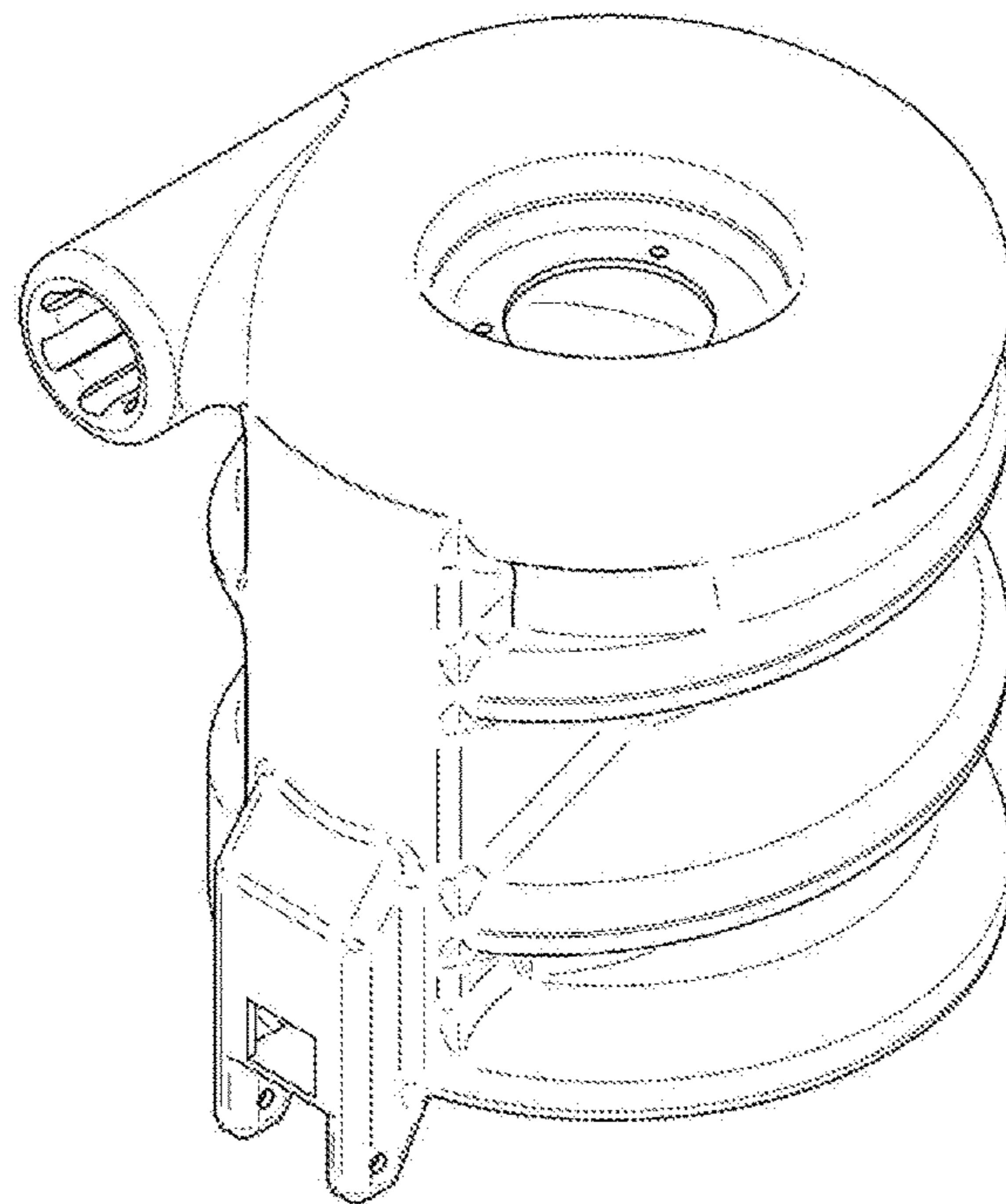


FIG. 12



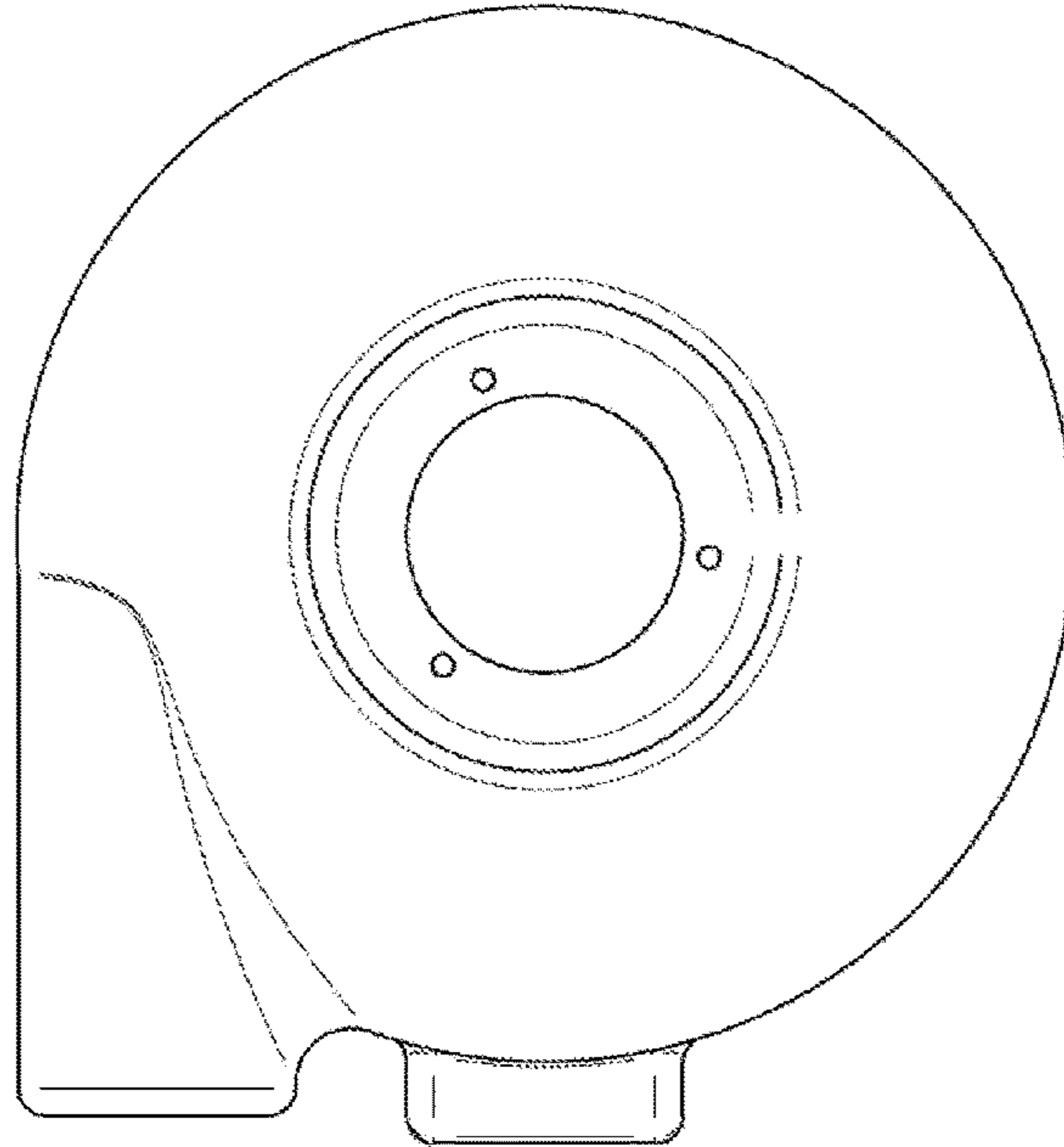


FIG. 13

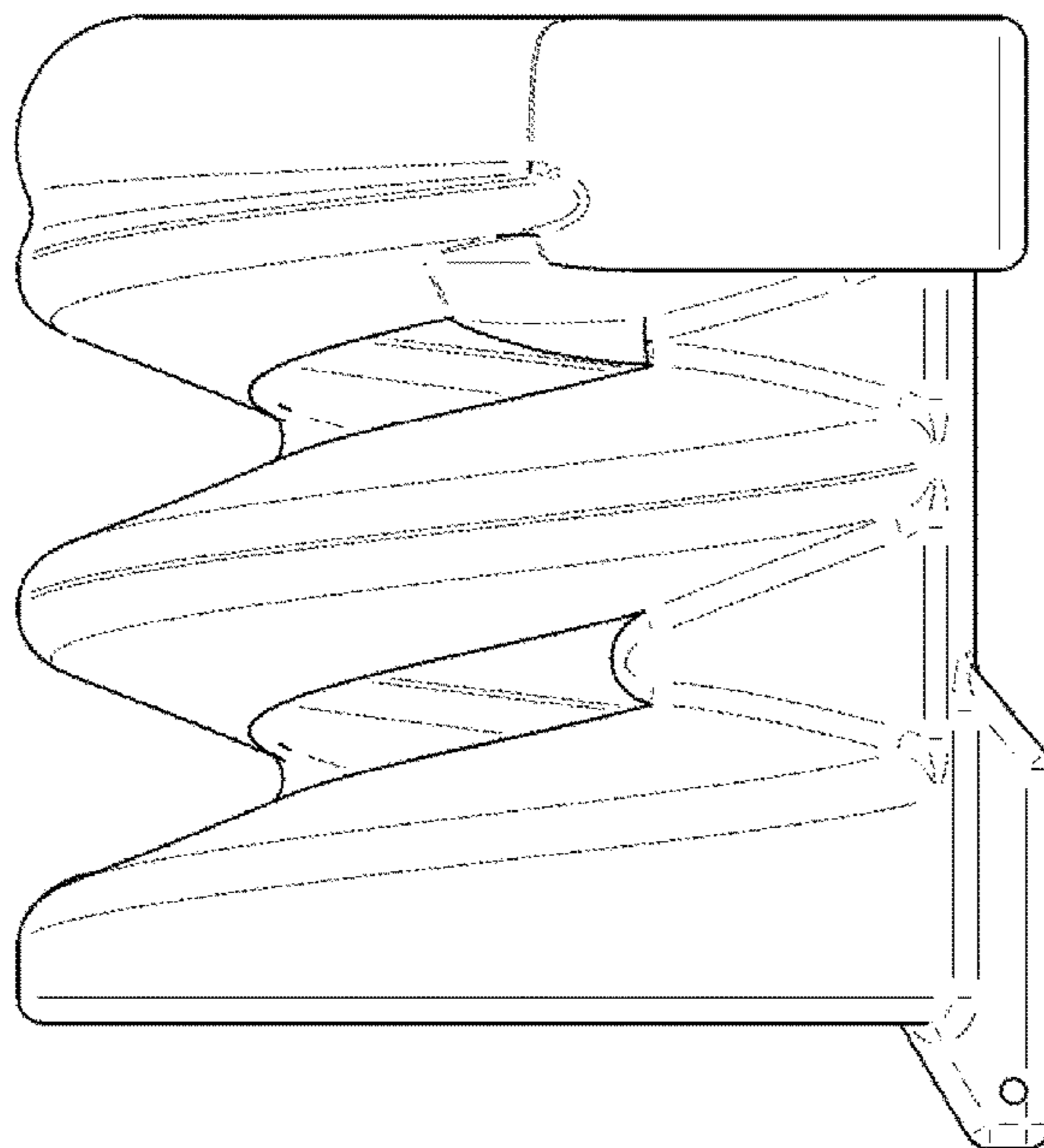


FIG. 14

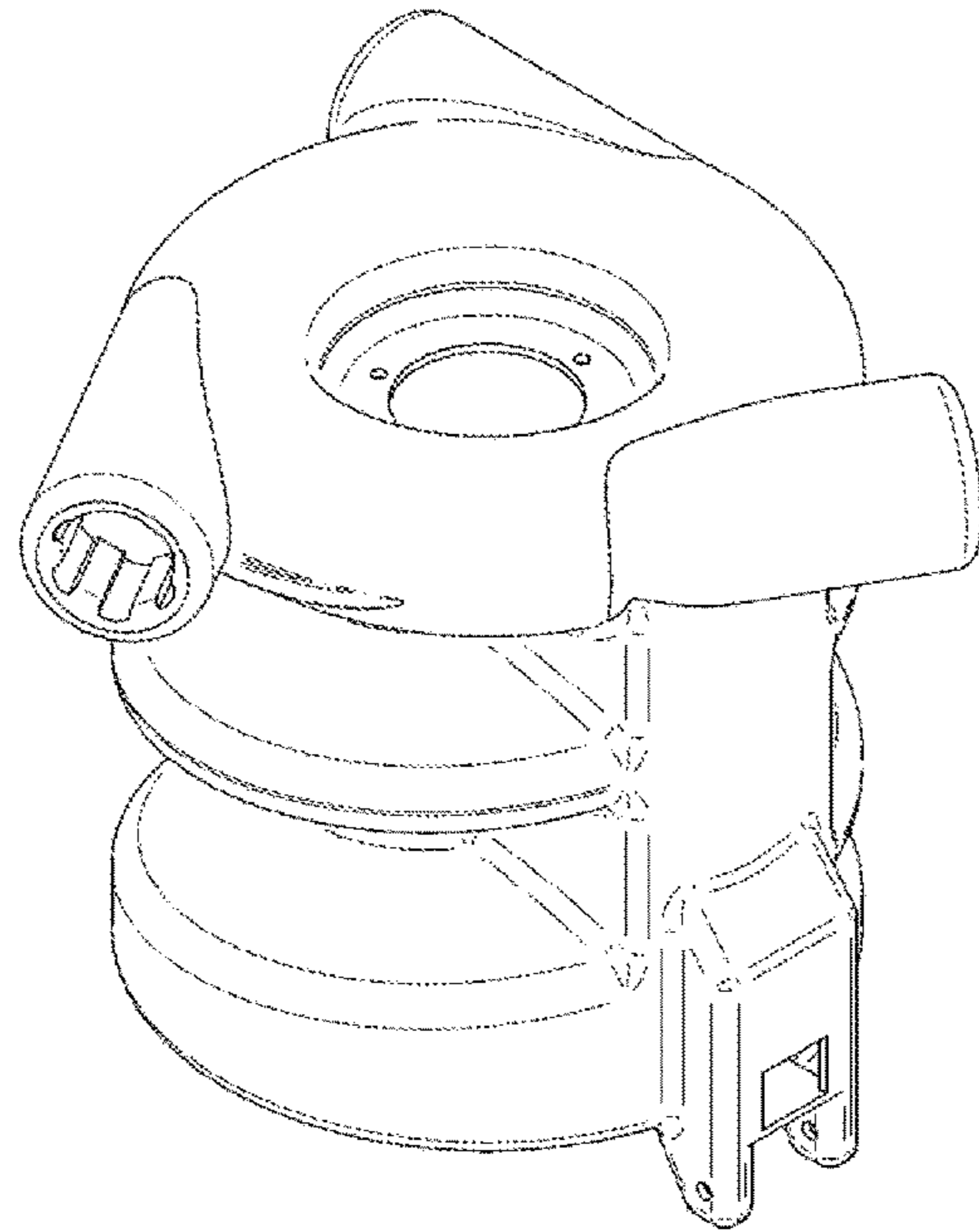


FIG. 15

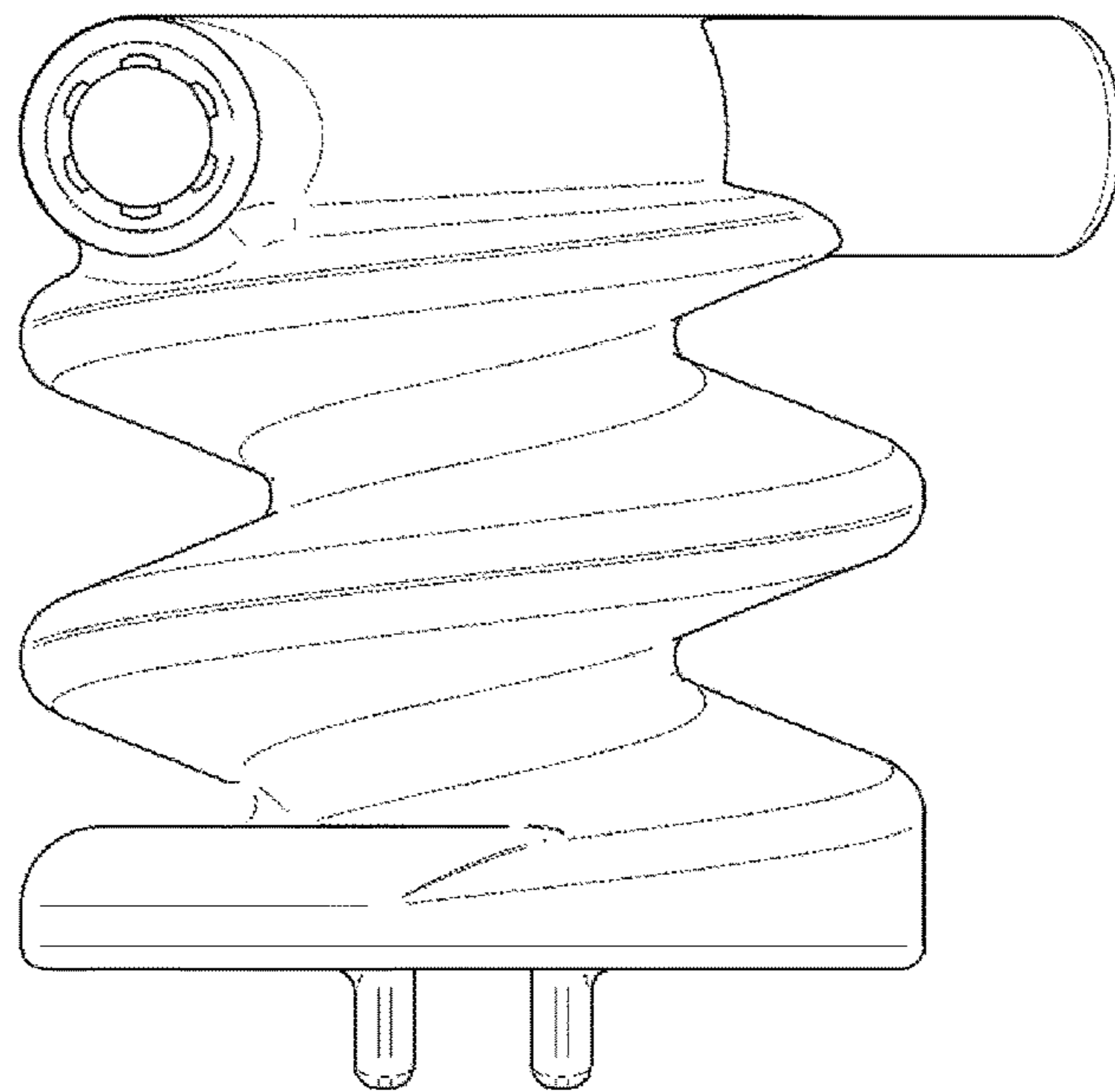


FIG. 16

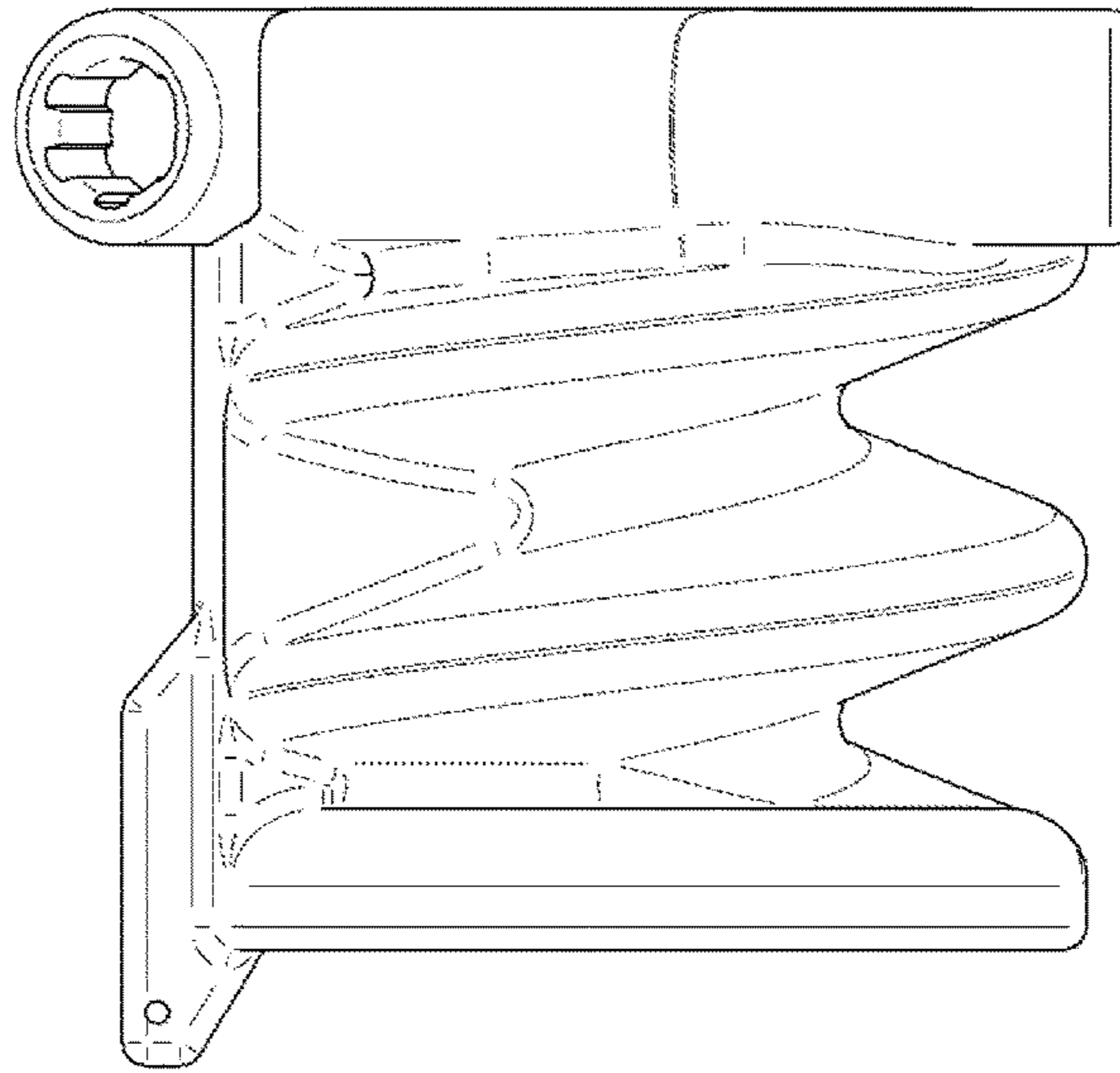


FIG. 17

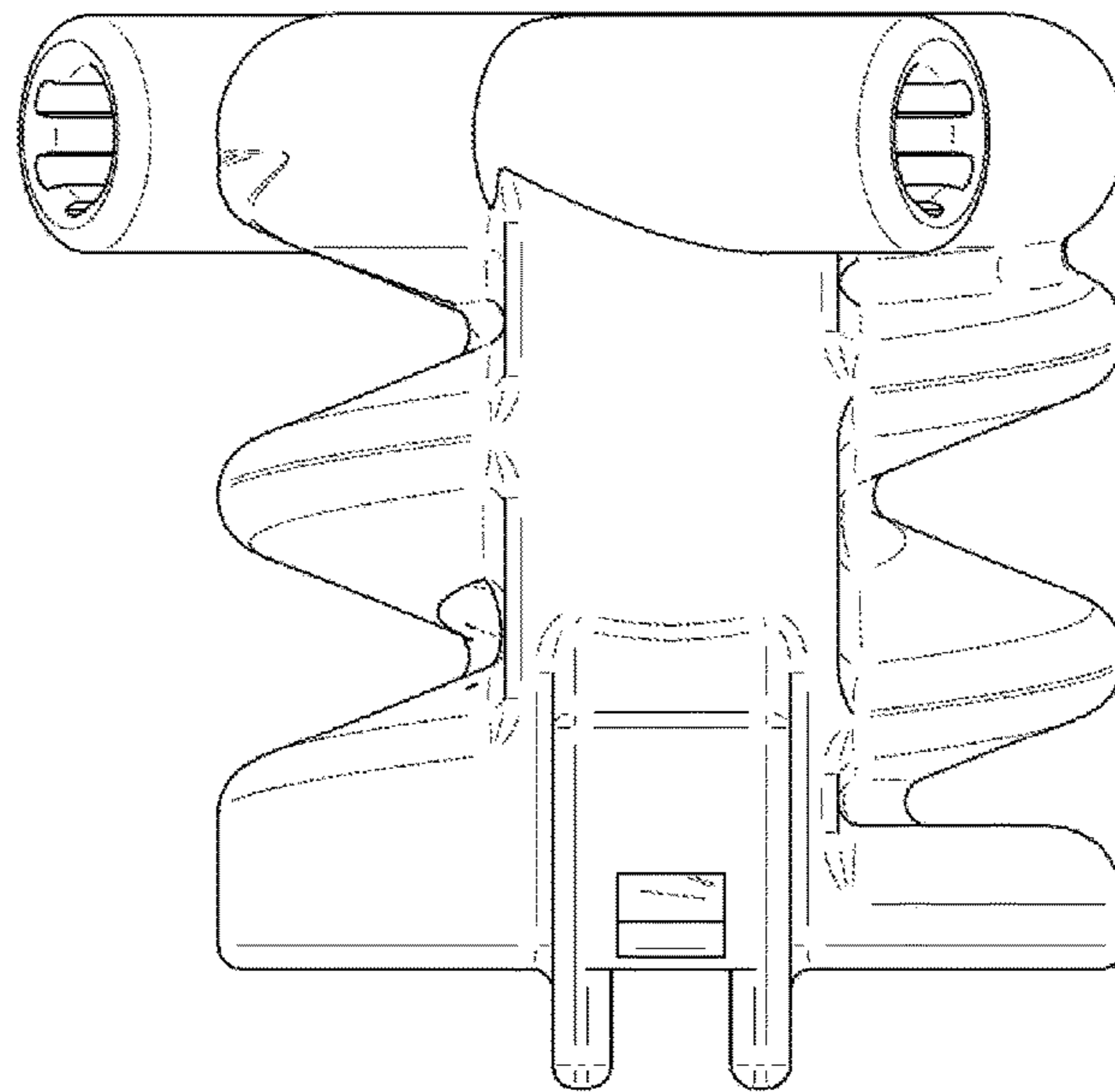


FIG. 18

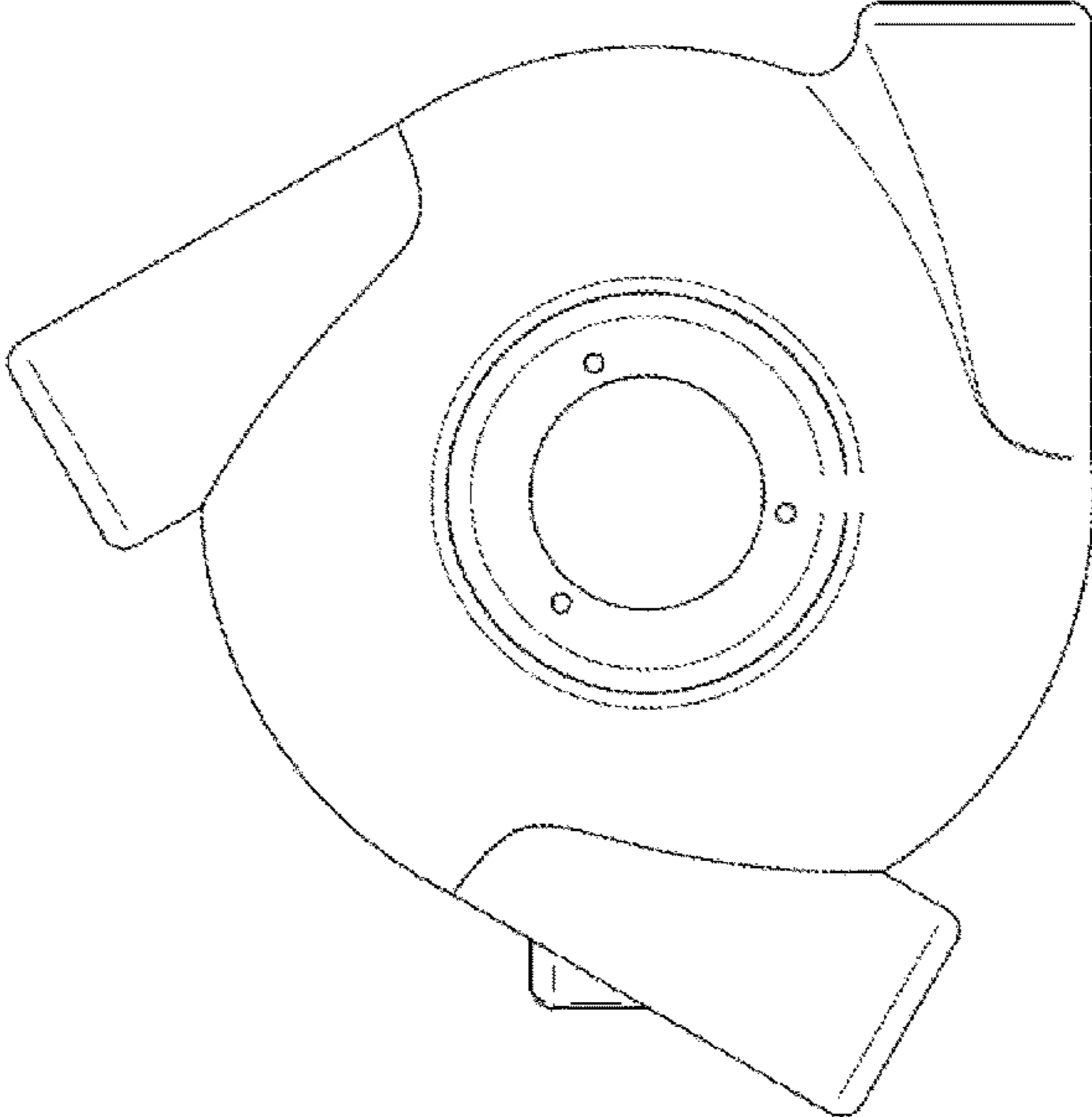


FIG. 19

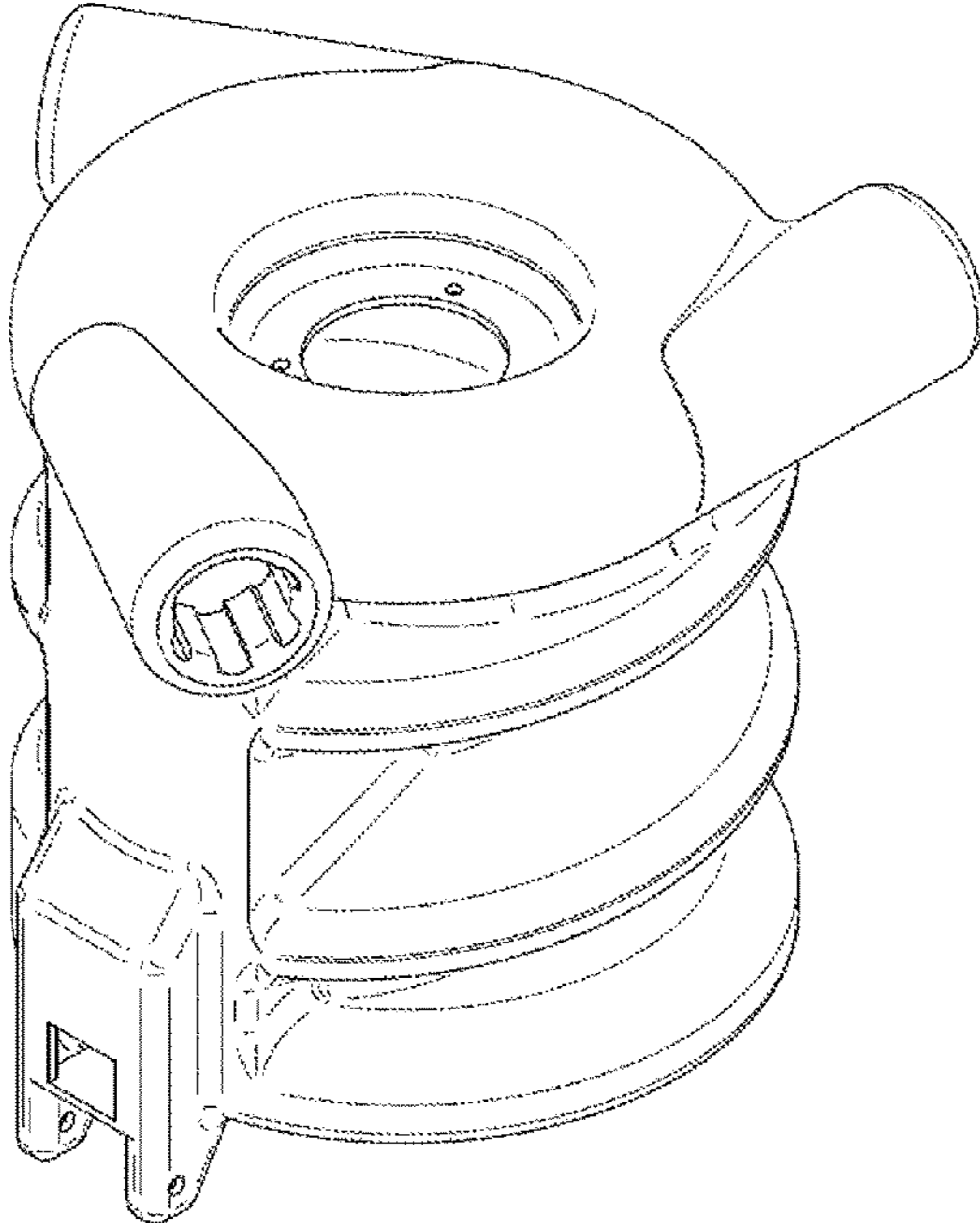


FIG. 20

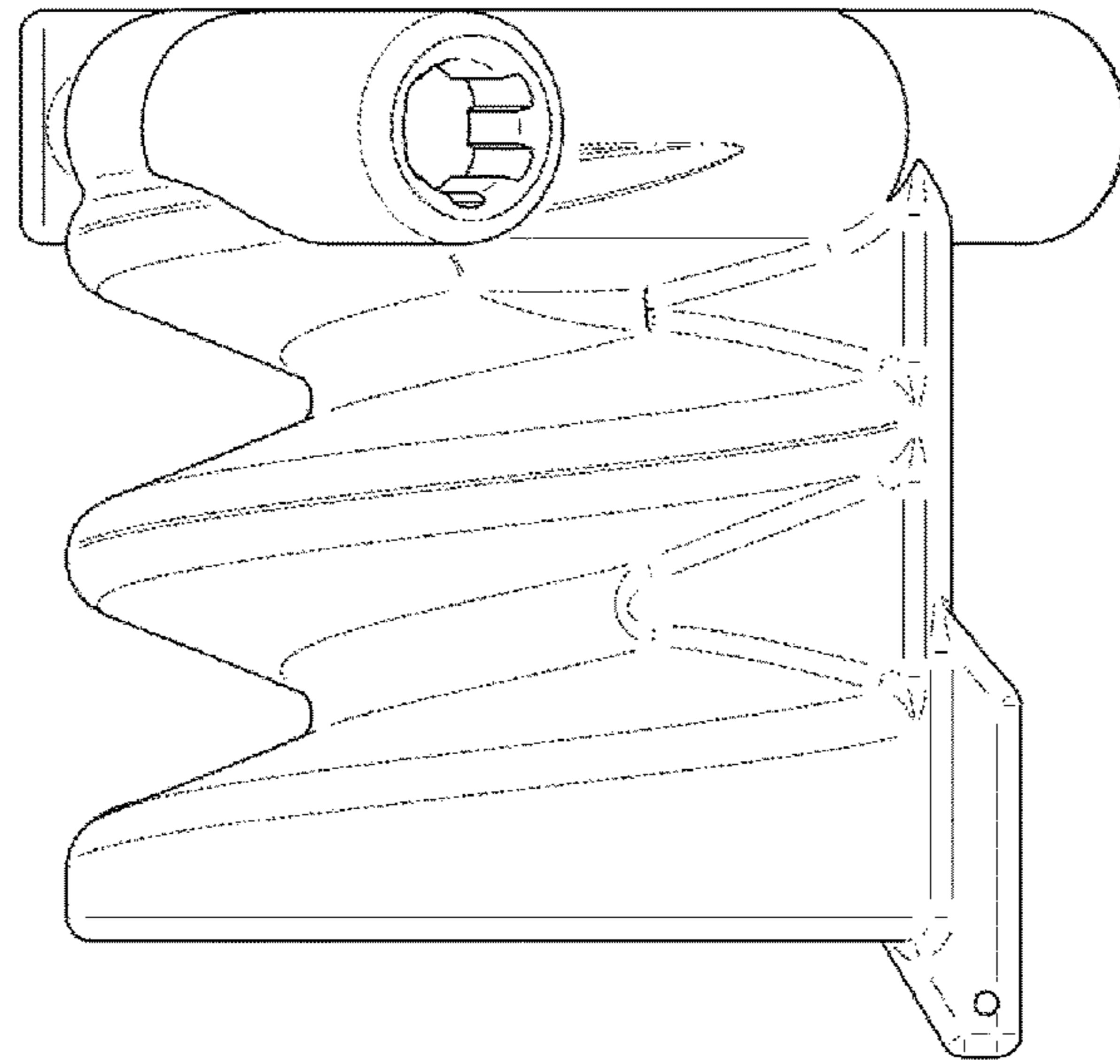


FIG. 21

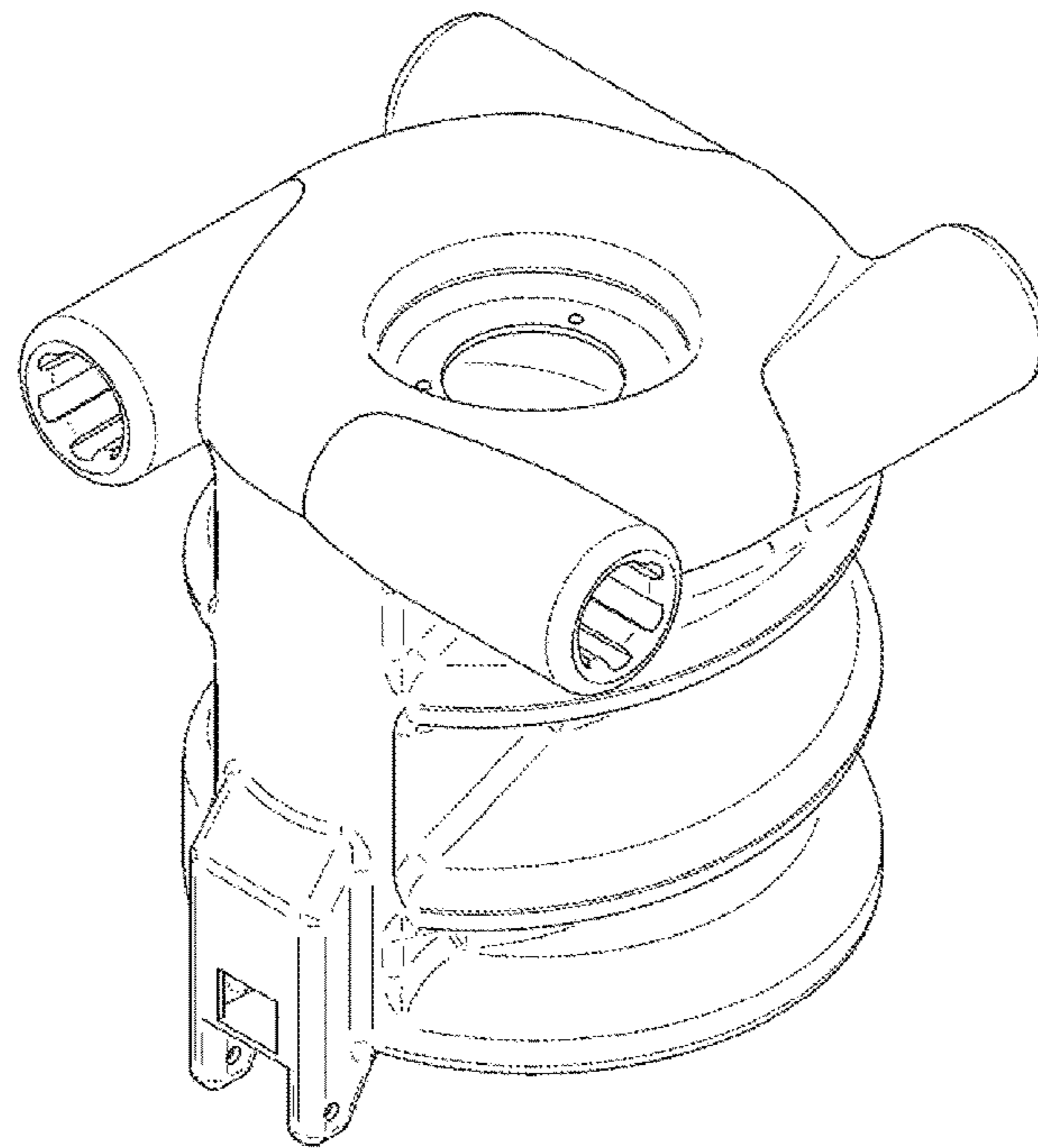


FIG. 22

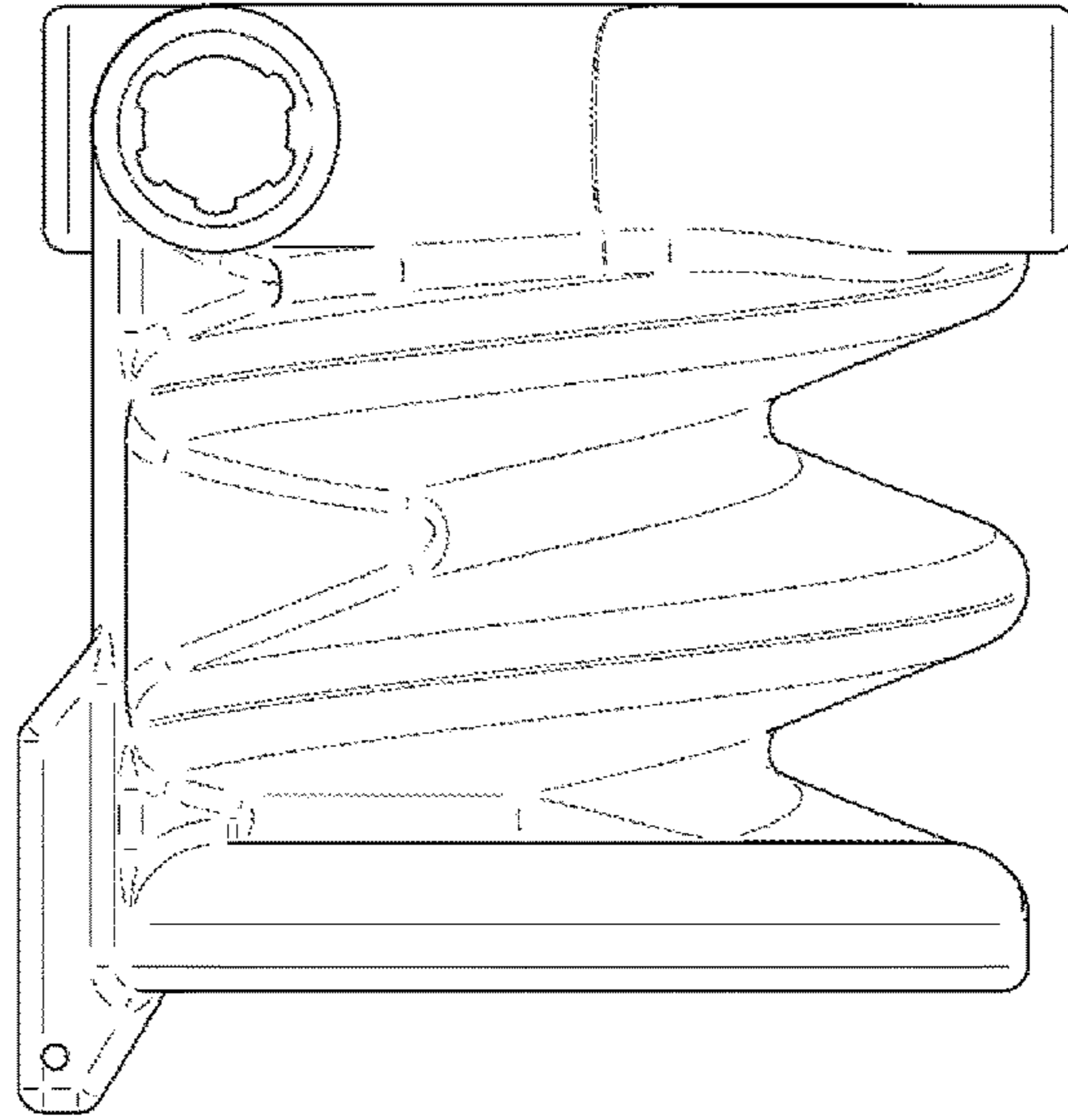


FIG. 23

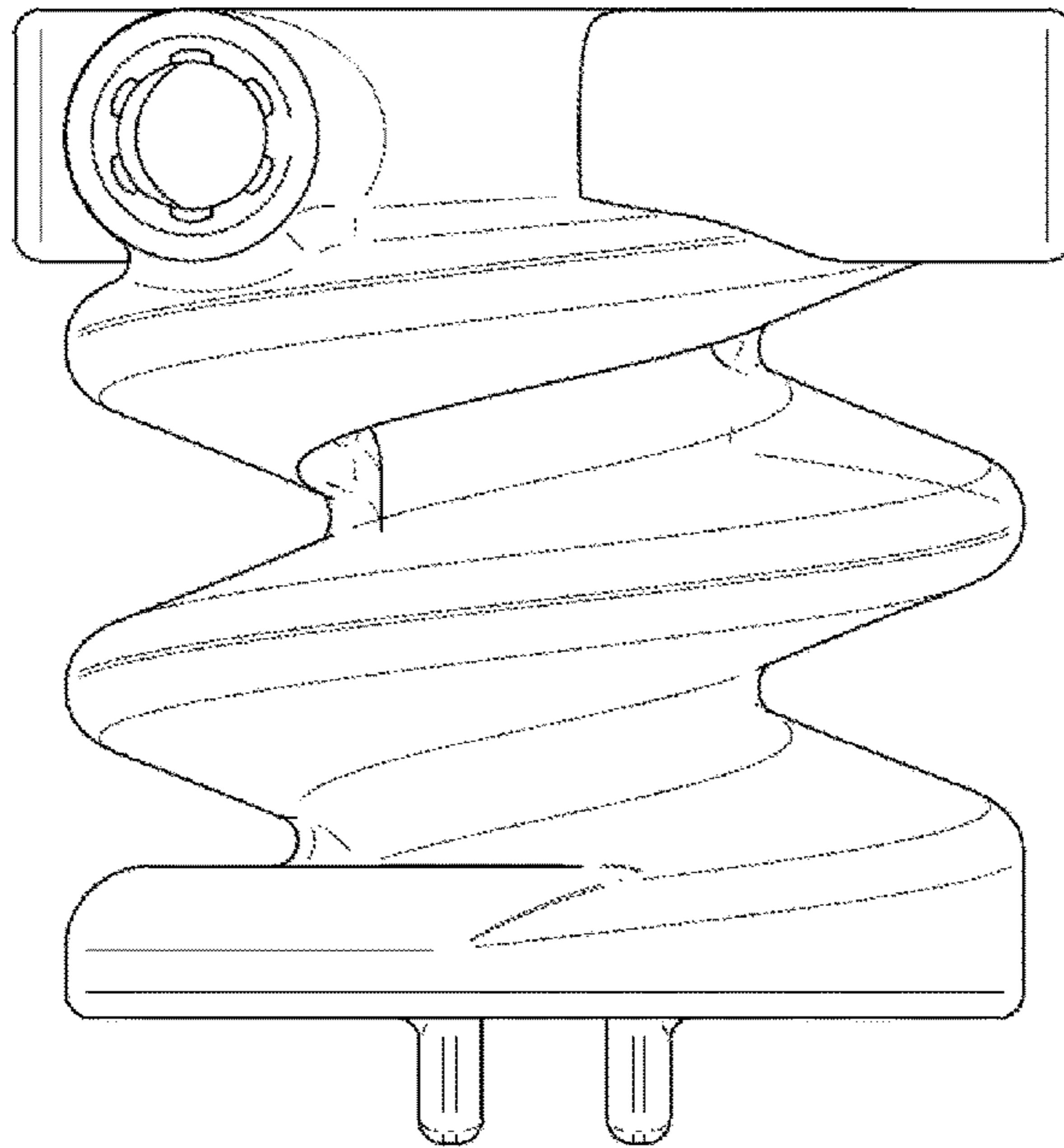


FIG. 24

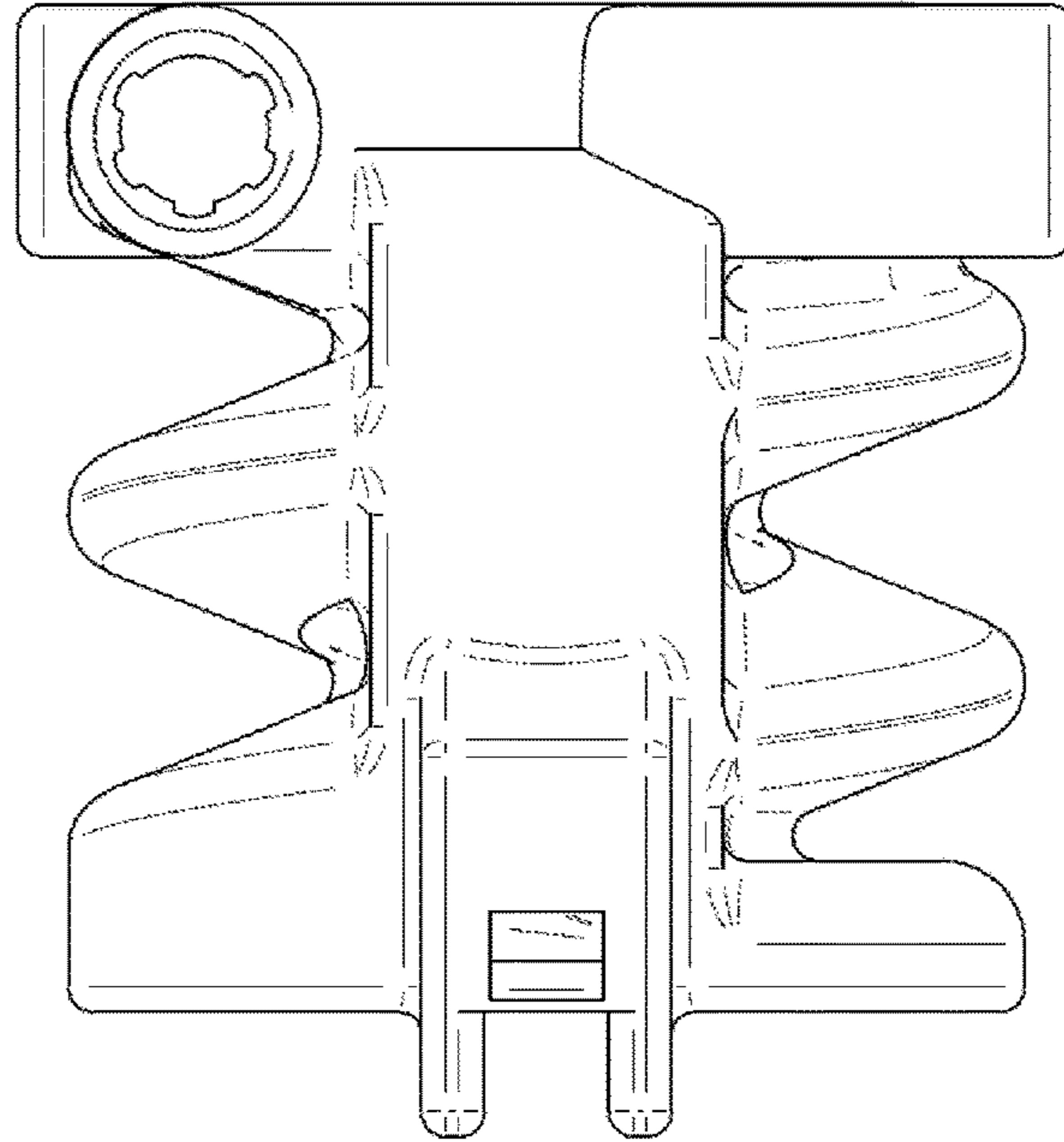


FIG. 25

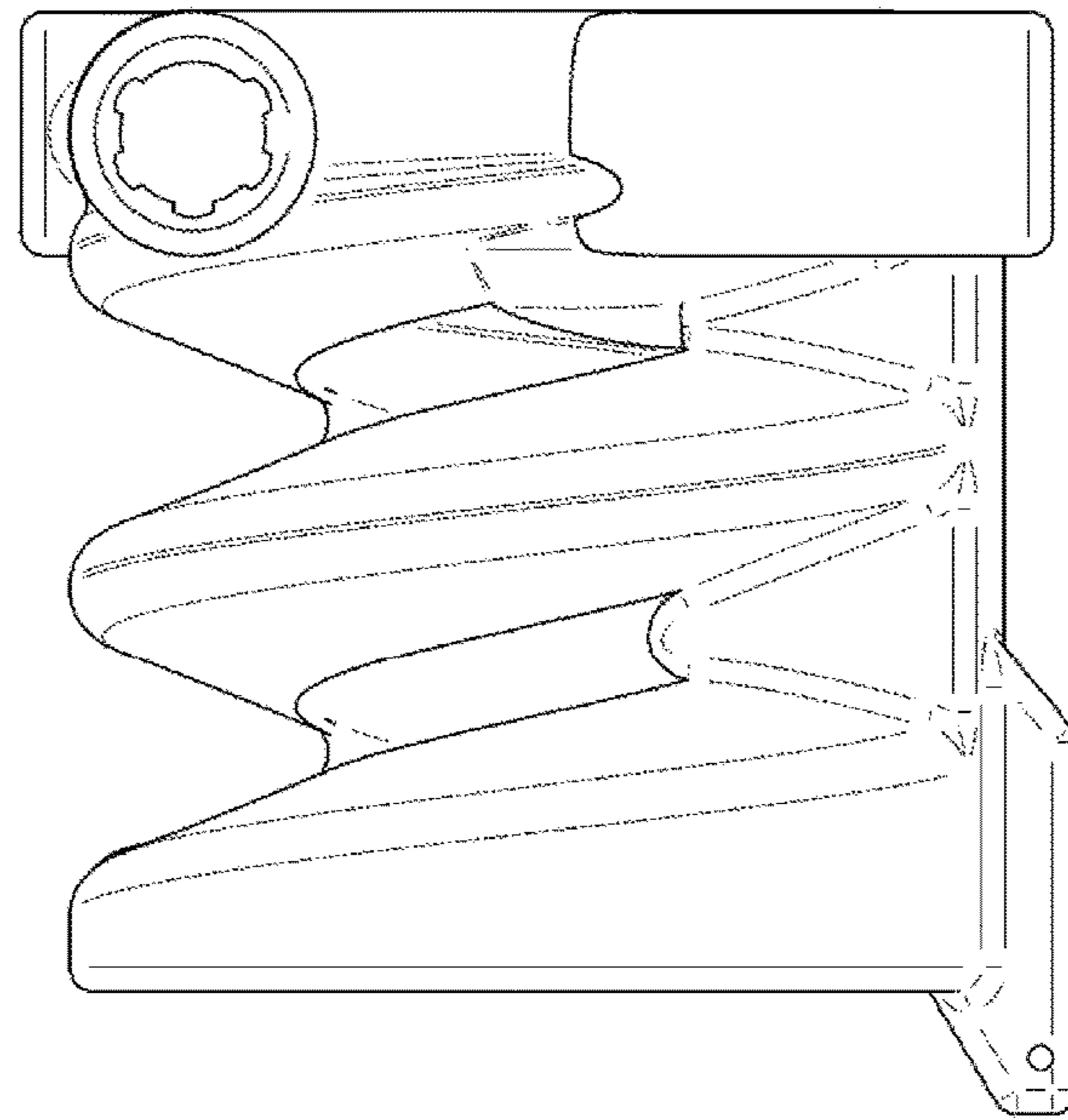


FIG. 26

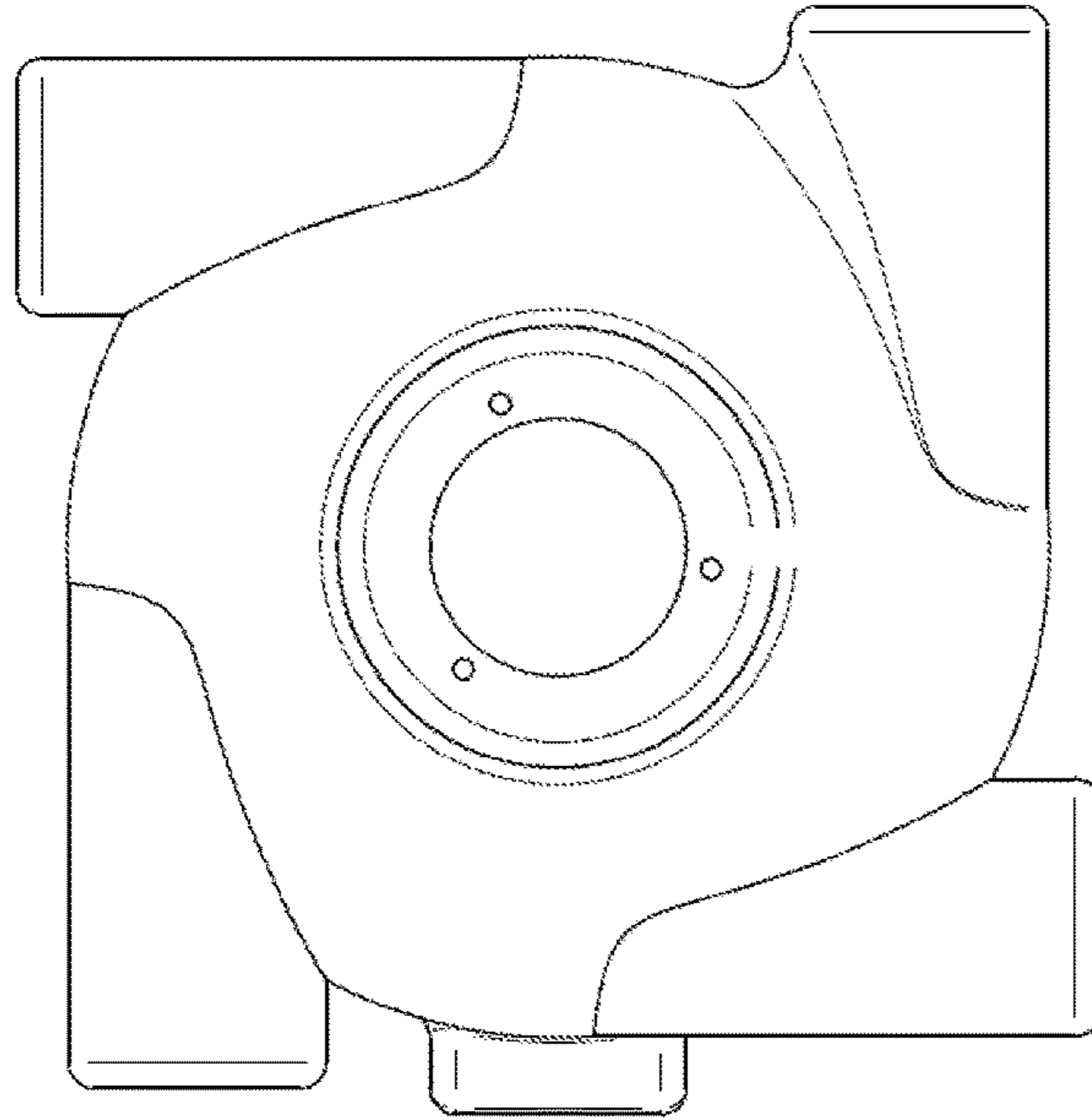


FIG. 27

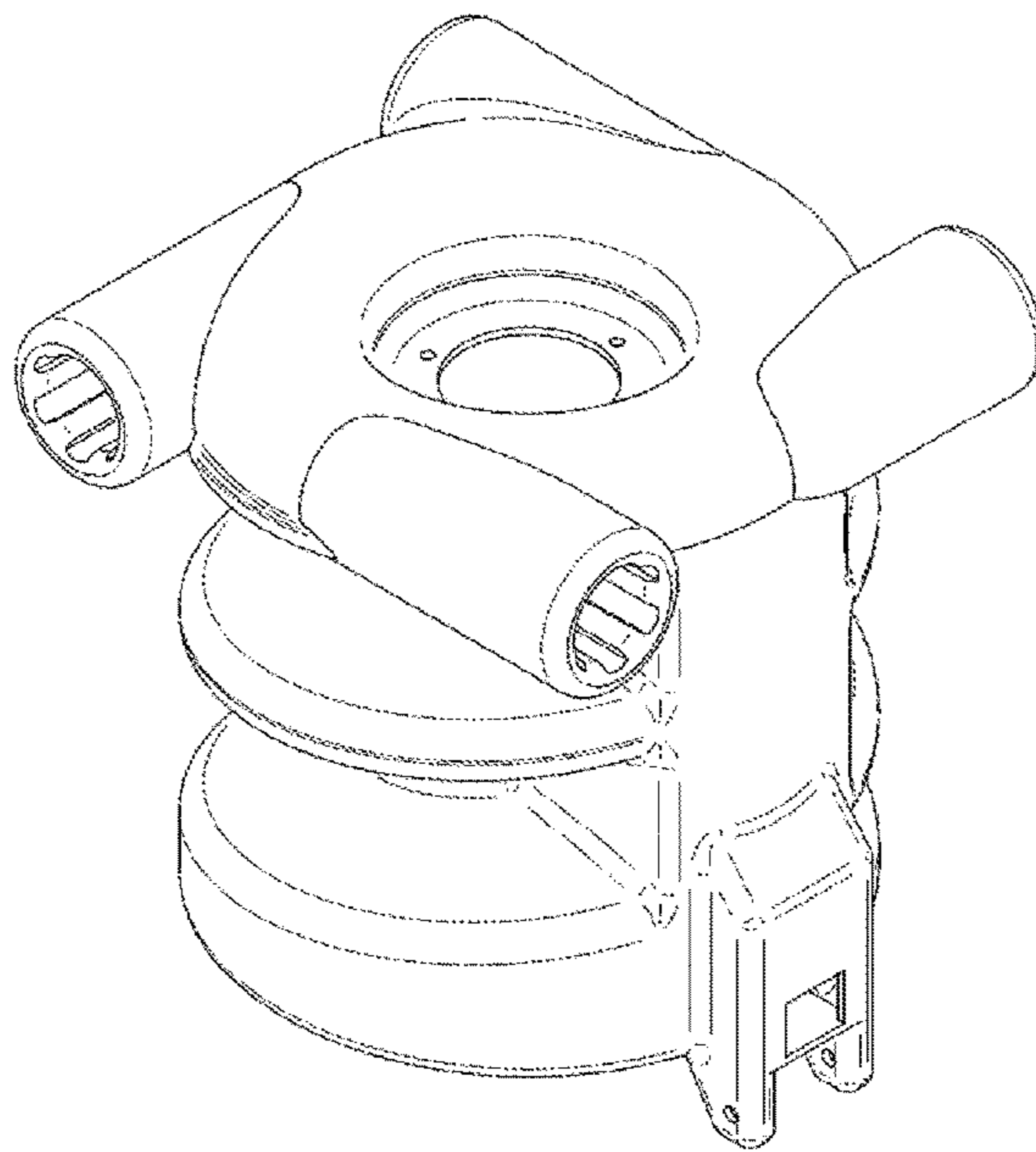


FIG. 28



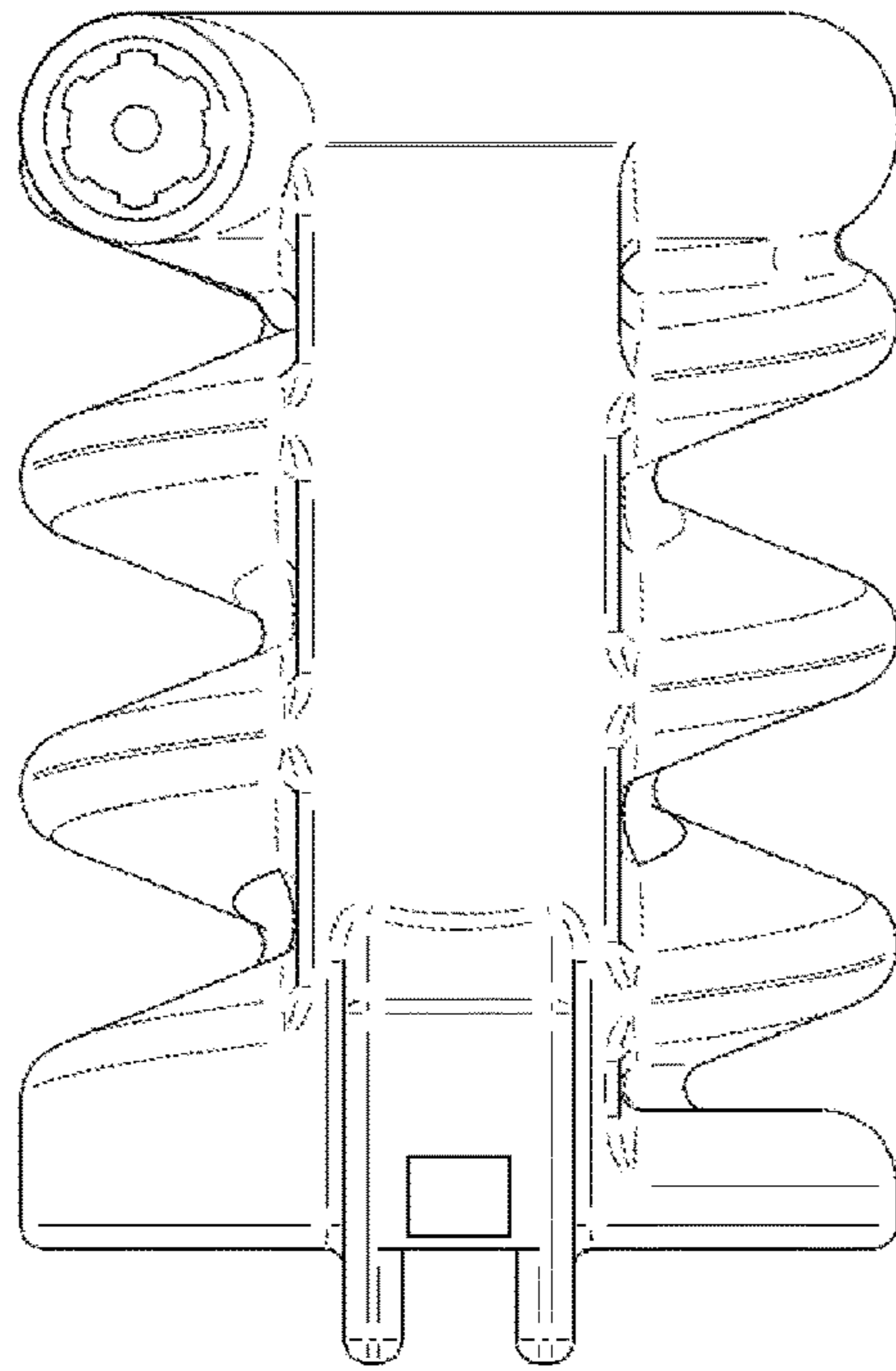


FIG. 29

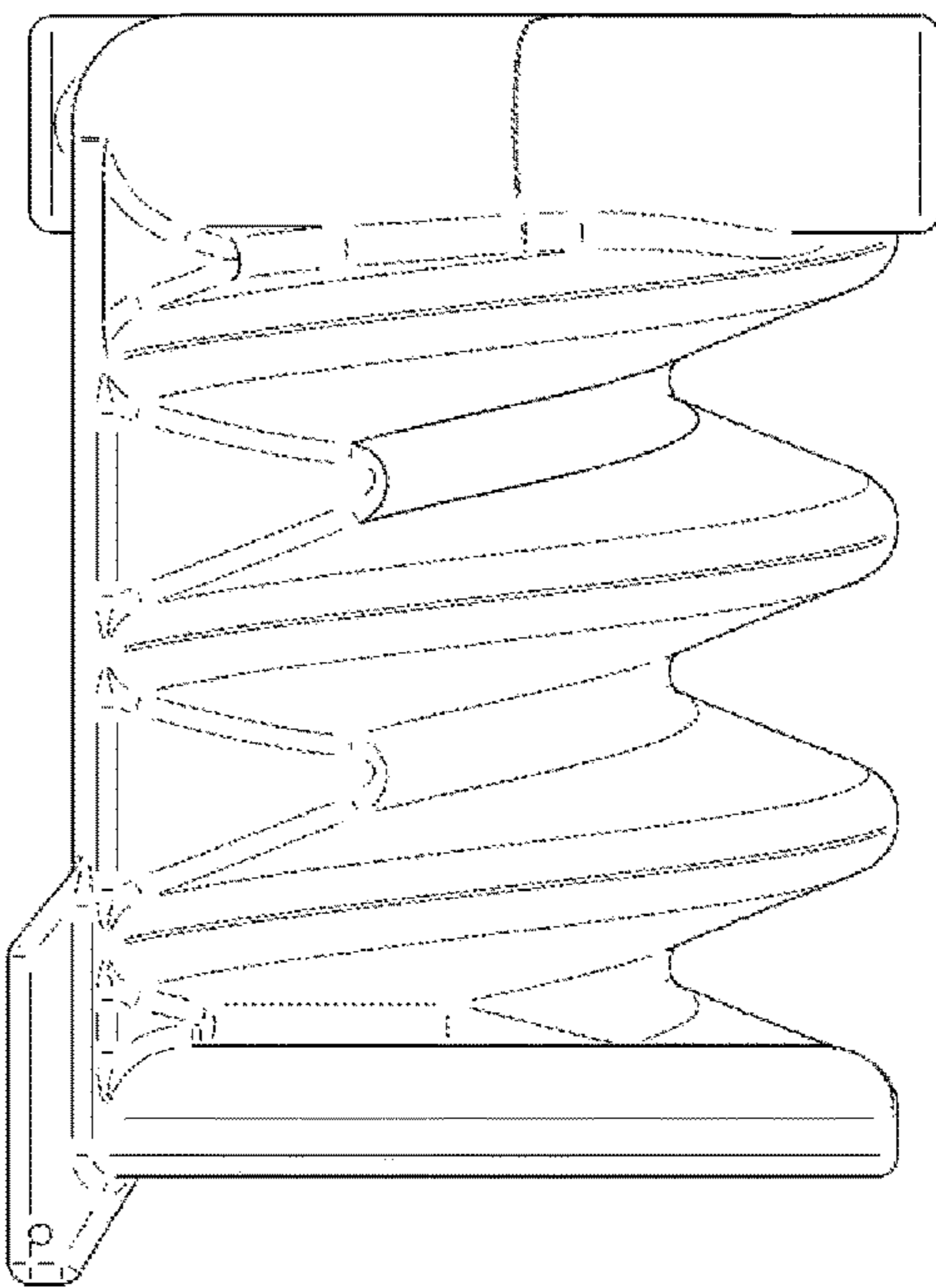


FIG. 30

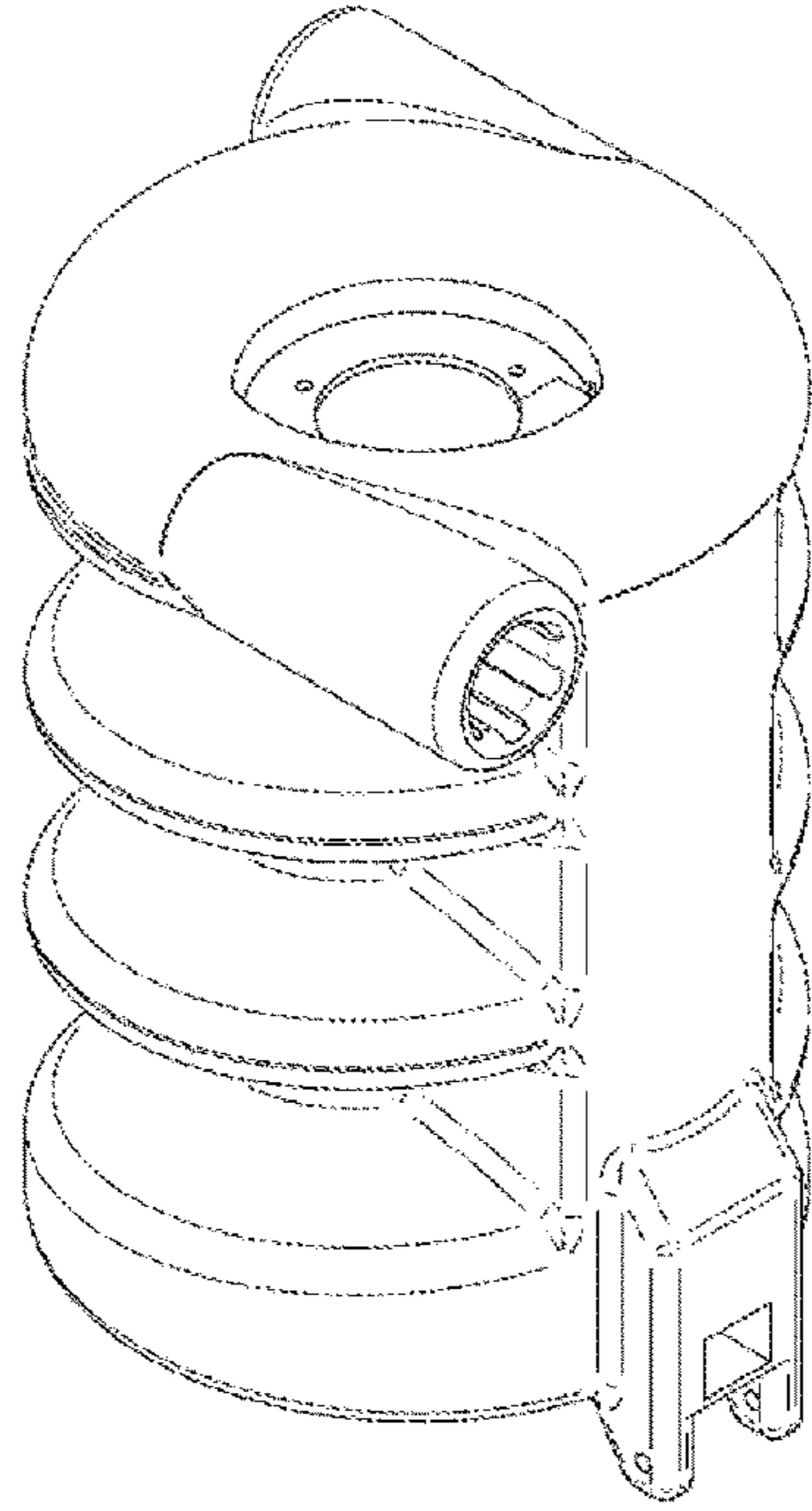


FIG. 31

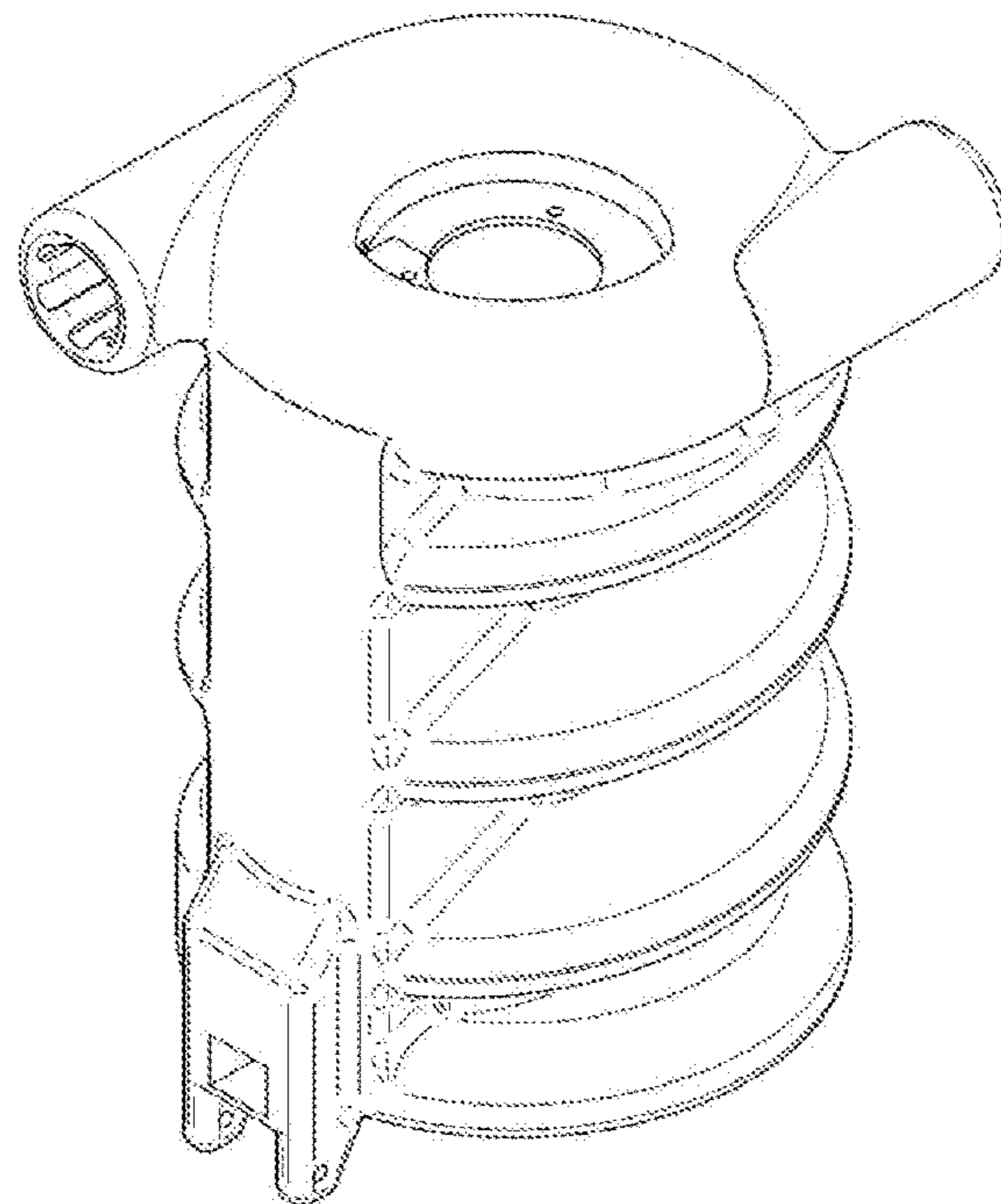


FIG. 32

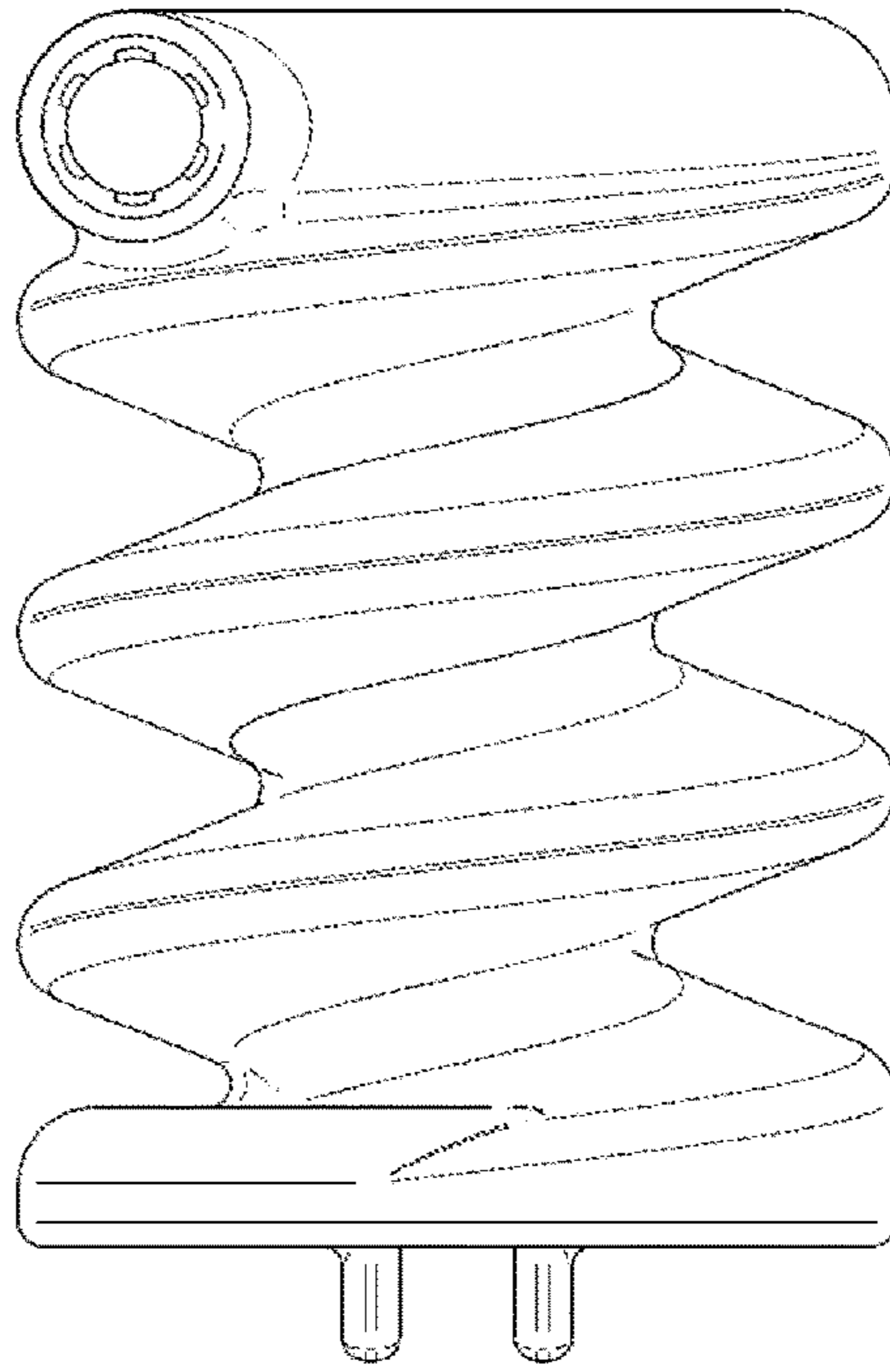


FIG. 33

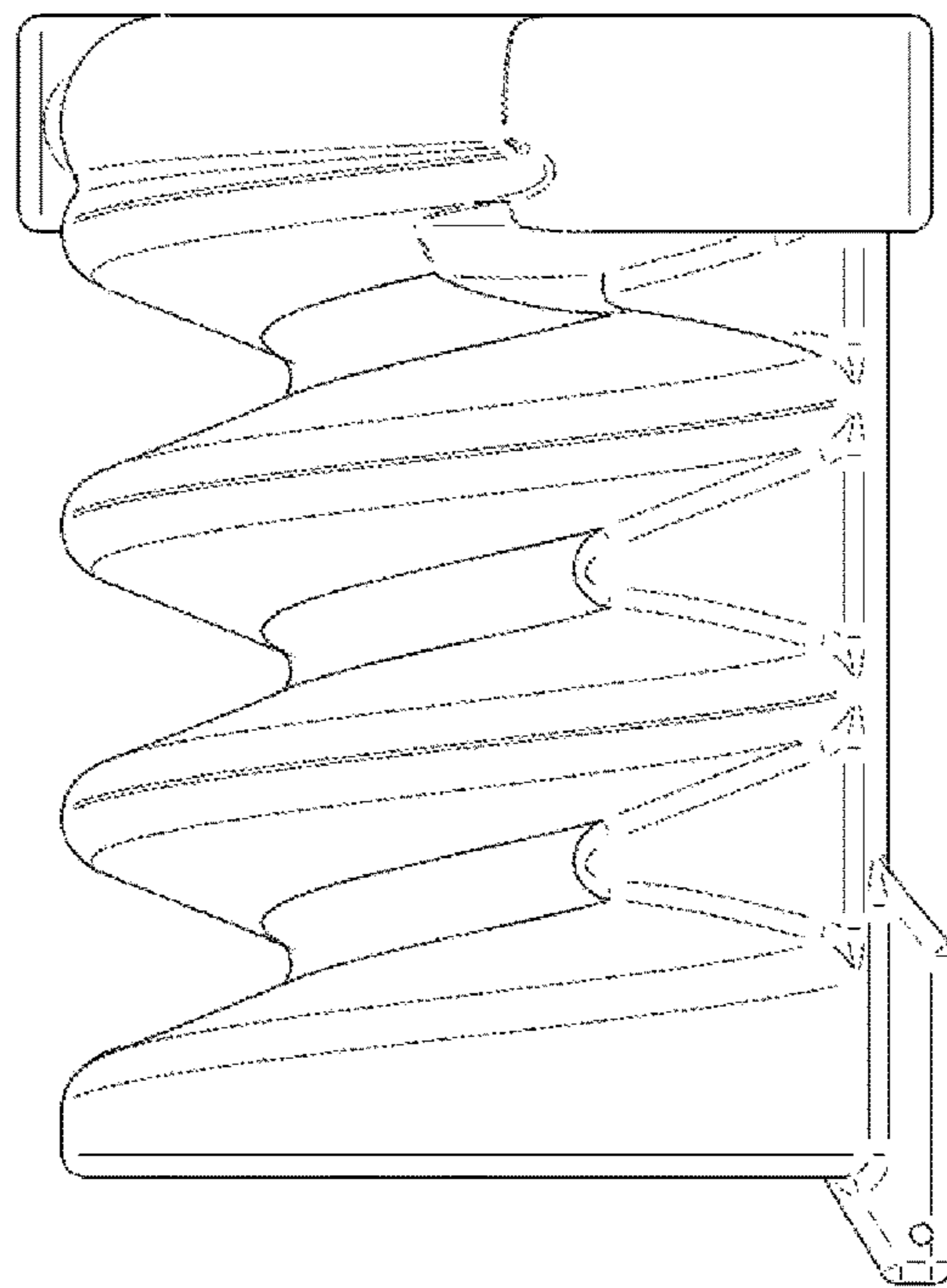


FIG. 34

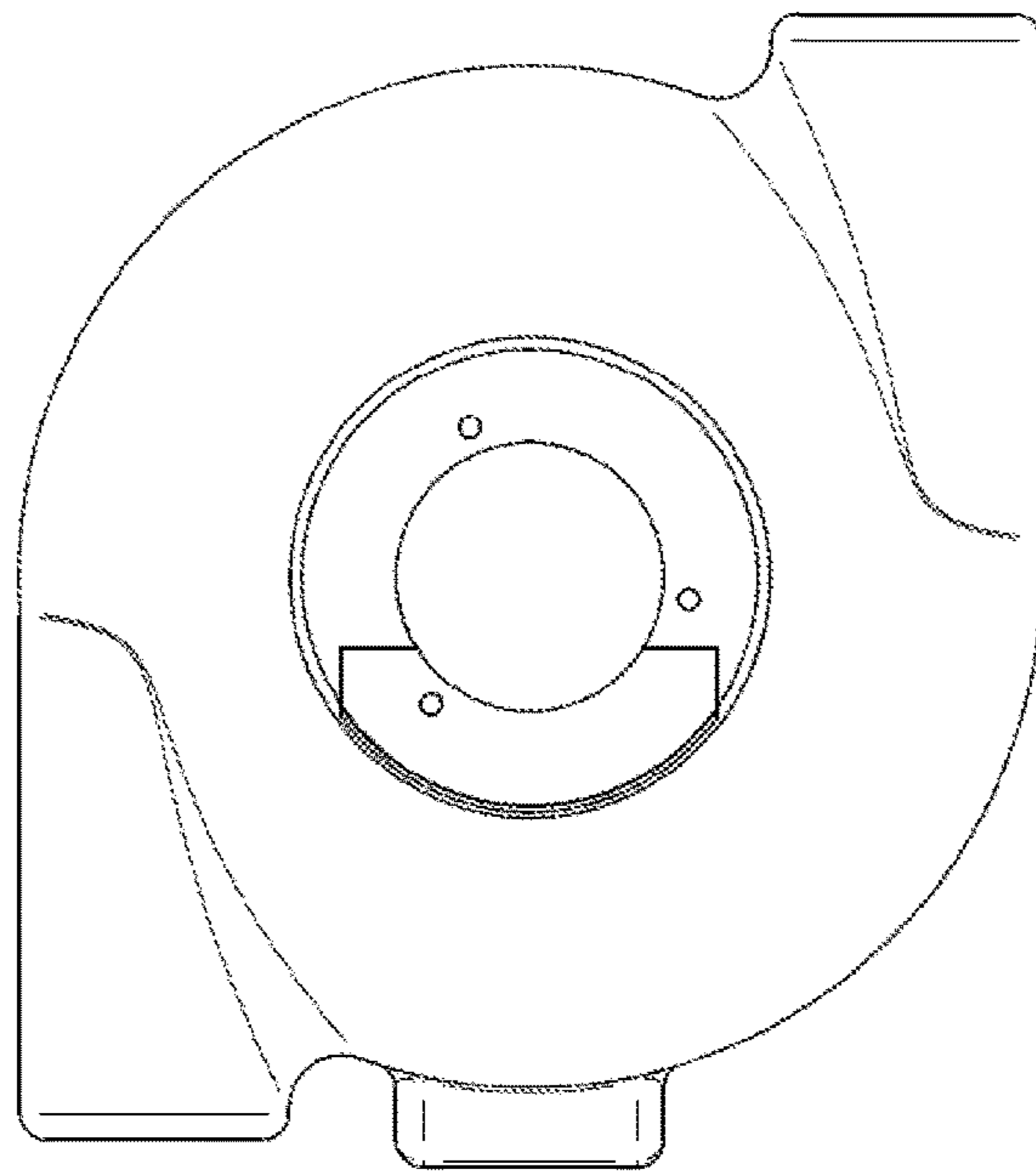


FIG. 35