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(12) **United States Design Patent** (10) **Patent No.:** **US D829,897 S**  
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(54) **MEDICAL CONNECTOR**  
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7,600,530 B2 \* 10/2009 Truitt ..... A61M 39/02  
137/512  
D673,673 S \* 1/2013 Wang ..... D24/129  
D691,717 S \* 10/2013 McLean ..... D24/110.6  
D712,027 S \* 8/2014 Zerwic ..... D24/129  
D720,850 S \* 1/2015 Hsia ..... D24/130  
D734,456 S \* 7/2015 Cromett ..... D24/129  
9,259,666 B1 \* 2/2016 Chavez-Gil ..... B01D 3/40

(Continued)

(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/606,265**  
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**FOREIGN PATENT DOCUMENTS**

JP 2005-261759 A 9/2005  
JP D1468799 9/2013  
JP D1480707 9/2013

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(52) **U.S. Cl.**  
USPC ..... **D24/129**  
(58) **Field of Classification Search**  
USPC ..... D24/155, 129, 130  
CPC ..... A61M 1/00  
See application file for complete search history.

**OTHER PUBLICATIONS**

Sep. 6, 2017 Office Action issued in JP Design App. No. 2017-005746.

(Continued)

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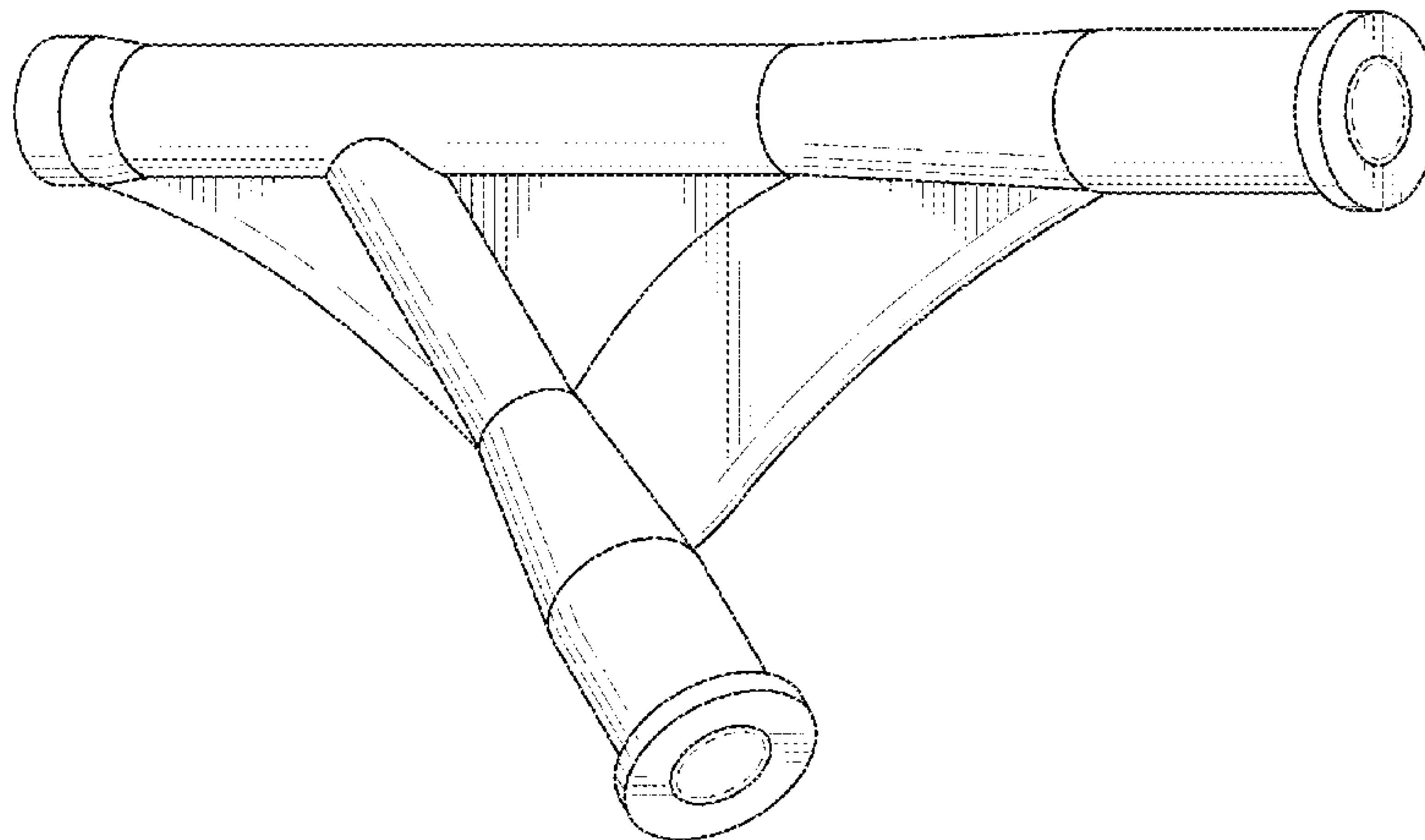
(56) **References Cited**  
**U.S. PATENT DOCUMENTS**  
4,677,143 A \* 6/1987 Laurin ..... A01N 25/10  
424/618  
4,946,448 A \* 8/1990 Richmond ..... A61M 39/24  
137/493.9  
5,195,980 A 3/1993 Catlin  
5,676,346 A \* 10/1997 Leinsing ..... A61M 39/26  
251/149.1  
6,117,114 A \* 9/2000 Paradis ..... A61M 39/045  
604/246  
D492,030 S \* 6/2004 Rani ..... D24/129  
D506,828 S \* 6/2005 Layne ..... D24/129  
7,160,272 B1 \* 1/2007 Eyal ..... A61M 39/02  
604/246

(57) **CLAIM**  
The ornamental design for a medical connector, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a medical connector;  
FIG. 2 is a front view thereof, the rear view thereof (not included) being a mirror image thereof;  
FIG. 3 is a top view thereof;  
FIG. 4 is a right-side view thereof;  
FIG. 5 is a left-side view thereof; and,  
FIG. 6 is a bottom view thereof.  
A rear view of the medical connector mirrors the front view. The broken lines depict unclaimed portions of the medical connector and form no part of the claimed design.

**1 Claim, 4 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

9,352,117 B2 \* 5/2016 O'Day ..... A61M 25/0015  
9,675,735 B2 \* 6/2017 Eddy ..... A61M 1/285  
D793,551 S \* 8/2017 Nelson ..... D24/129  
D810,932 S \* 2/2018 Coffman ..... D24/130  
9,980,818 B2 \* 5/2018 Chau ..... A61F 2/243

OTHER PUBLICATIONS

Nov. 9, 2017 Office Action issued in Korean Patent Application No. 30/2017-0020733.

May 10, 2017 Office Action issued in European Patent Application No. 003874841.

\* cited by examiner

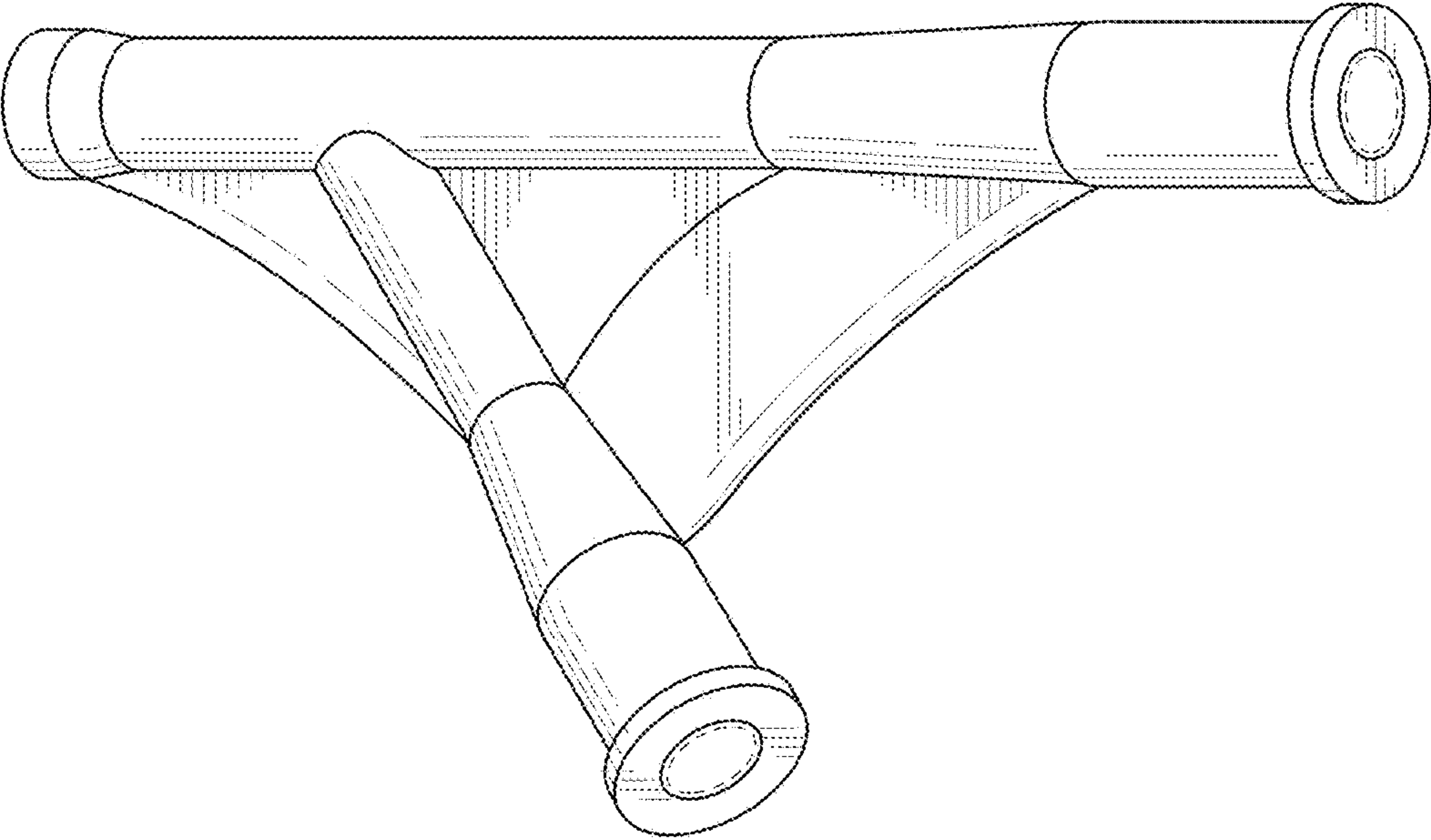


FIG. 1

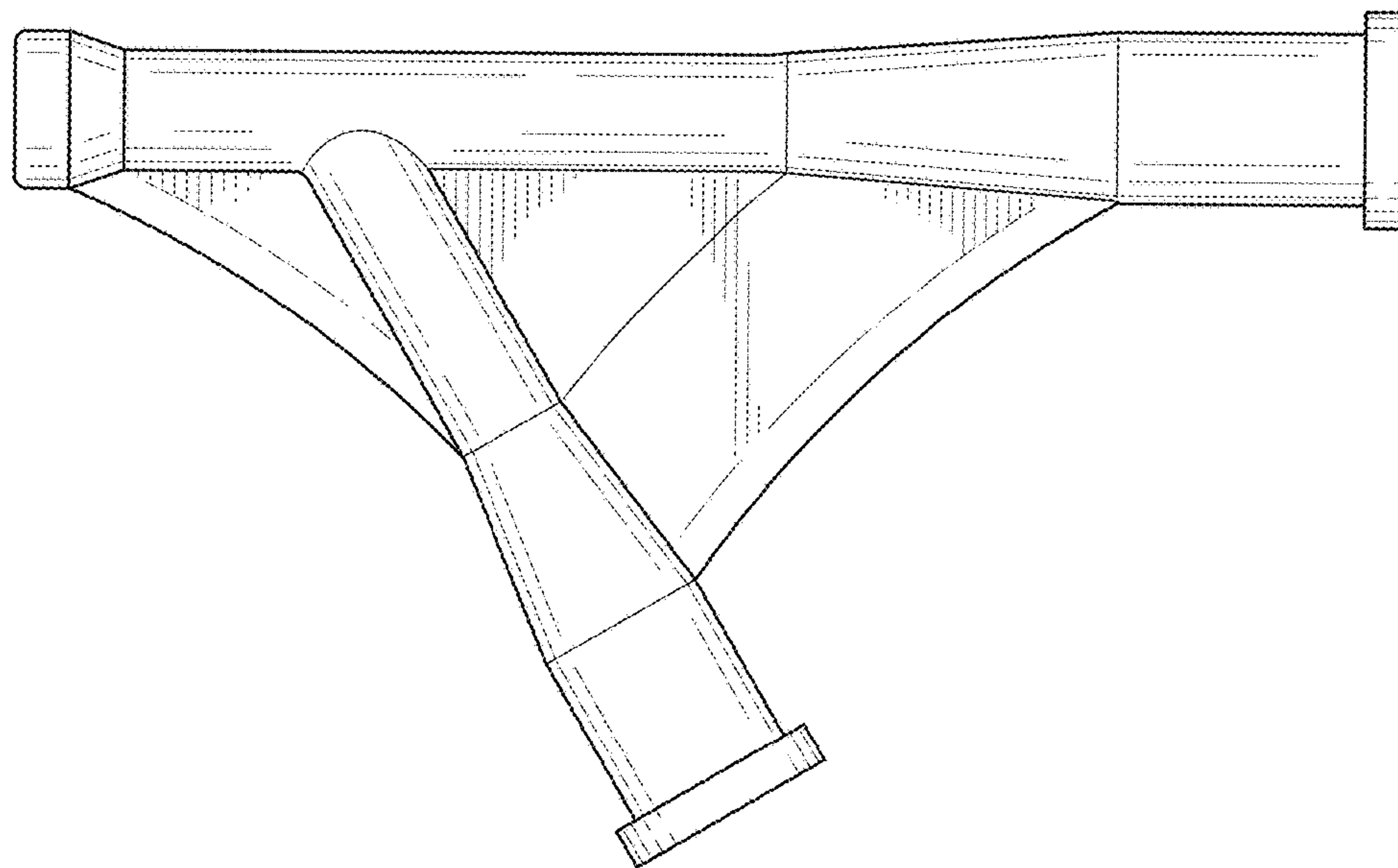


FIG. 2

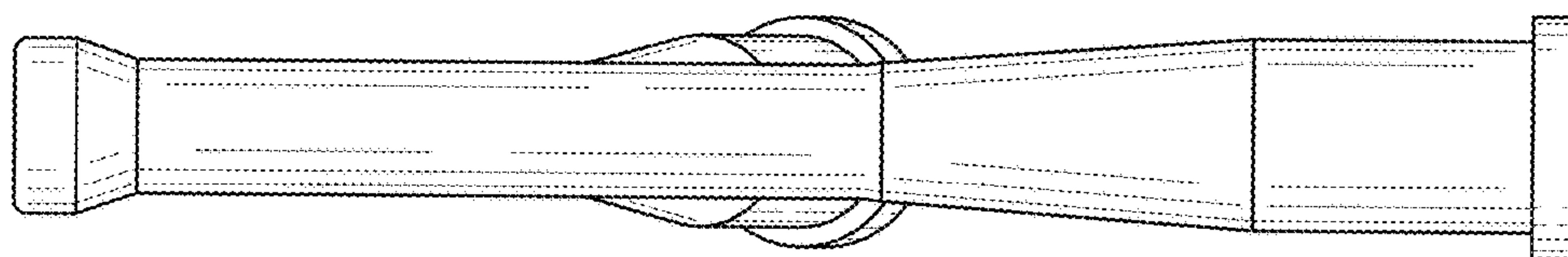


FIG. 3

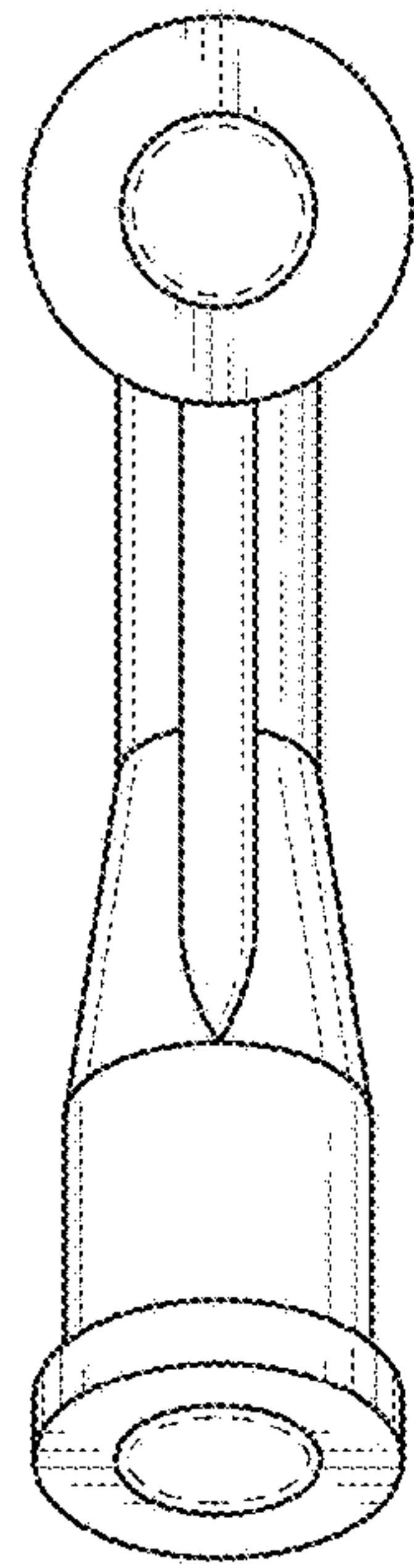


FIG. 4

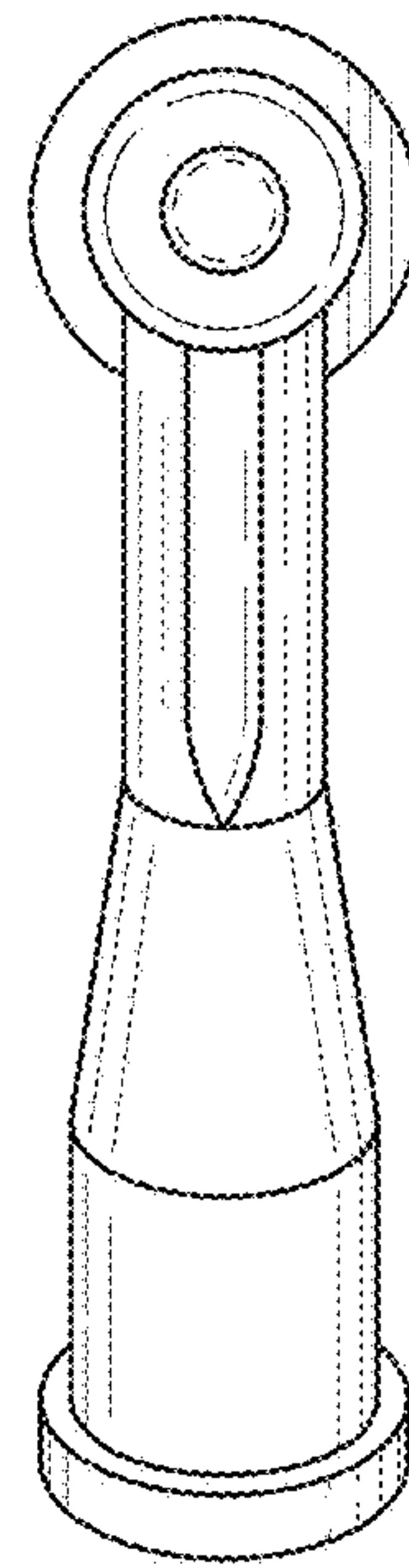


FIG. 5

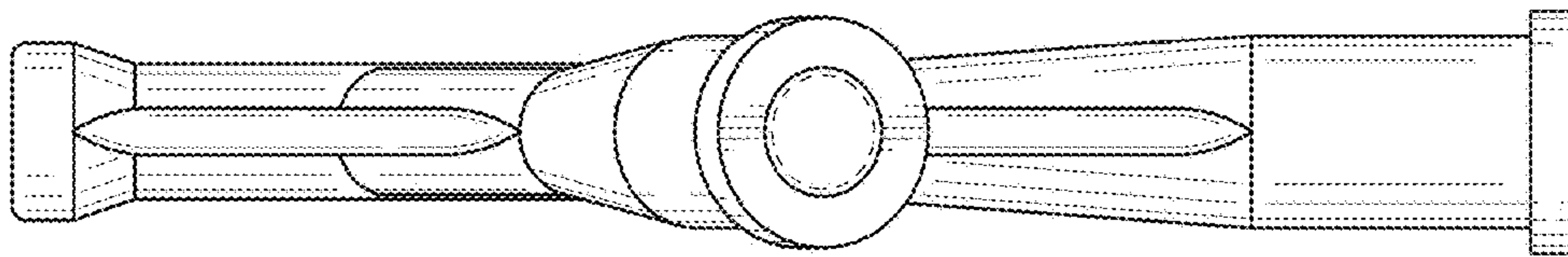


FIG. 6