



US00D930819S

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

(10) **Patent No.:** **US D930,819 S**  
(45) **Date of Patent:** **\*\* Sep. 14, 2021**

(54) **MANIFOLD ADAPTOR FOR MULTI-BARREL SYRINGE APPLICATOR**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **Ethicon, Inc.**, Somerville, NJ (US)

EP 2158848 A1 3/2010  
WO 33/039375 A2 5/2003  
WO 2017086807 A1 5/2017

(72) Inventors: **Jianxin Guo**, Livingston, NJ (US);  
**Jared Schneider**, Union, NJ (US);  
**Simon Cohn**, Lebanon, NJ (US)

OTHER PUBLICATIONS

(73) Assignee: **Ethicon, Inc.**, Somerville, NJ (US)

Notice of Allowance issued in U.S. Appl. No. 29/688,316 dated Oct. 4, 2019, 14 pages.

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

(Continued)

(21) Appl. No.: **29/688,286**

*Primary Examiner* — David G Muller

(22) Filed: **Apr. 19, 2019**

(74) *Attorney, Agent, or Firm* — David R. Crichton

**Related U.S. Application Data**

(63) Continuation of application No. 15/957,241, filed on Apr. 19, 2018.

(57) **CLAIM**

(51) **LOC (13) Cl.** ..... **24-02**

We claim the ornamental design of a manifold adaptor for a multi-barrel syringe applicator, as shown and described.

(52) **U.S. Cl.**  
USPC ..... **D24/112**

(58) **Field of Classification Search**  
USPC ..... D24/127–131, 112–114, 133, 186;  
606/181, 185; 604/264, 523–528, 272,  
604/187, 158, 164.01–164.11, 181, 184,  
604/227; 600/101, 139, 143;  
128/200.24, 207.14, 207.15  
CPC .. A61M 25/065; A61M 5/42; A61M 25/0612;  
A61M 25/00; A61M 39/00; A61M 27/00;  
A61M 25/0043; A61M 25/0067; A61M  
25/0097; A61M 5/19; A61F 2/958; A61B  
17/00491  
See application file for complete search history.

**DESCRIPTION**

FIG. 1 is a front perspective view of a manifold adaptor for a multi-barrel syringe applicator;  
FIG. 2 is a rear perspective view of a manifold adaptor for a multi-barrel syringe applicator;  
FIG. 3 is a front elevational view of a manifold adaptor for a multi-barrel syringe applicator;  
FIG. 4 is a rear elevational view of a manifold adaptor for a multi-barrel syringe applicator;  
FIG. 5 is a left-side elevational view of a manifold adaptor for a multi-barrel syringe applicator, which is identical to the right-side elevational view; and,  
FIG. 6 is a top plan view of a manifold adaptor for a multi-barrel syringe applicator, which is identical to the bottom plan view.

(56) **References Cited**

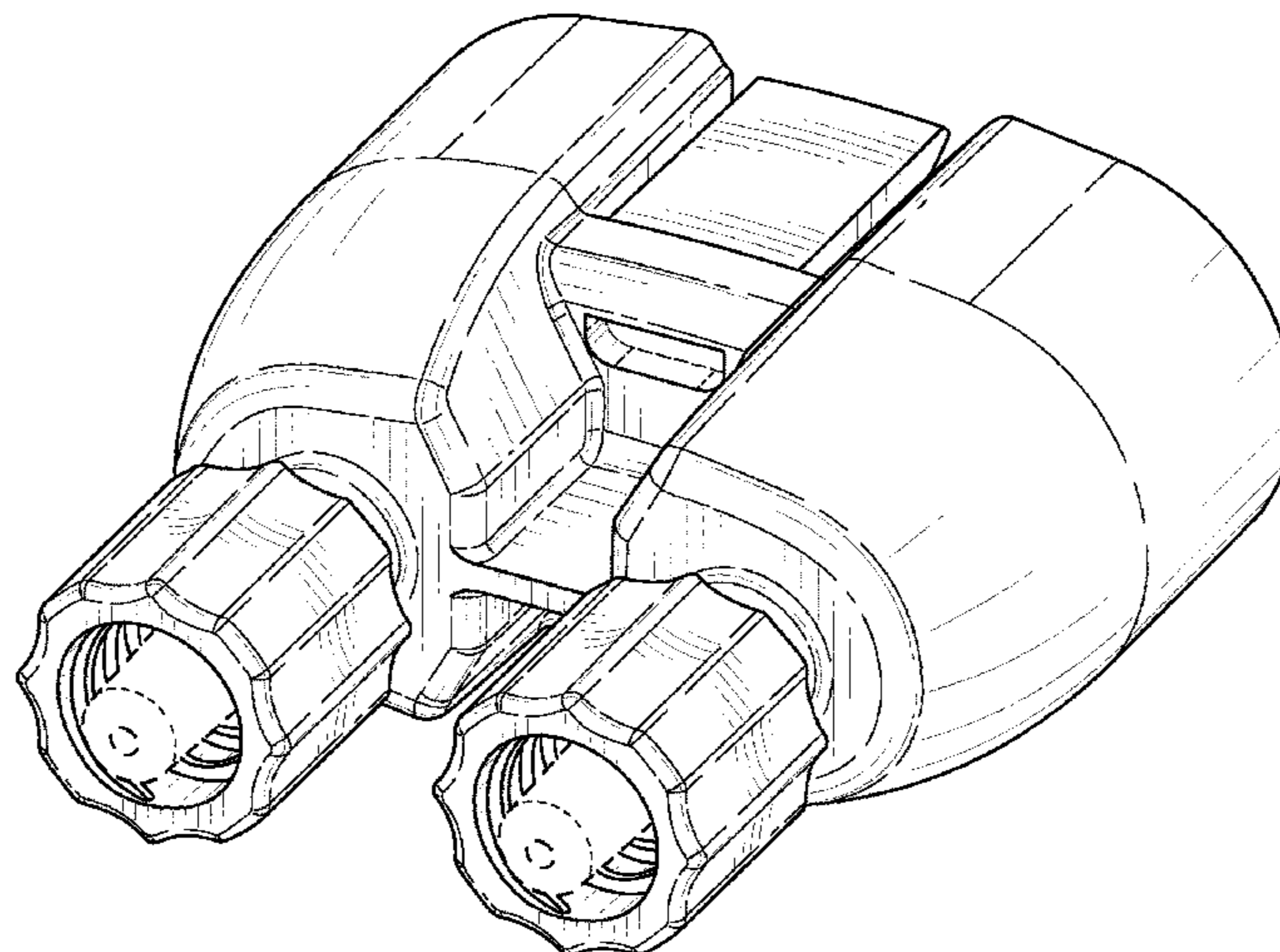
U.S. PATENT DOCUMENTS

5,354,284 A 10/1994 Haber et al.  
5,582,596 A 12/1996 Fukunaga et al.  
D547,447 S \* 7/2007 Bruce ..... D24/130  
D649,240 S \* 11/2011 Lewis ..... D24/129

The broken lines showing parts of the drawings is included for the purpose of illustration use and environment and forms no part of the claimed design.

(Continued)

**1 Claim, 6 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D653,329 S \* 1/2012 Lee-Sepsick ..... D24/112  
D660,957 S \* 5/2012 Lee-Sepsick ..... D24/112  
D672,456 S \* 12/2012 Lee-Sepsick ..... D24/112  
D709,612 S \* 7/2014 Lewis ..... D24/129  
D747,473 S \* 1/2016 Martin ..... D24/129  
D748,246 S \* 1/2016 Perthu ..... D24/114  
D749,721 S \* 2/2016 Dziak ..... D24/129  
9,486,190 B2 11/2016 Sherman et al.  
D828,918 S \* 9/2018 Eisele ..... D24/113  
D834,181 S \* 11/2018 Lee-Sepsick ..... D24/112  
D838,366 S \* 1/2019 Lewis ..... D24/129  
10,391,234 B2 \* 8/2019 Sams ..... A61M 39/08  
2014/0276567 A1 9/2014 Goodman

OTHER PUBLICATIONS

Notice of Allowance issued in U.S. Appl. No. 29/688,327 dated Oct. 4, 2019, 14 pages.

Notification of Transmittal of The International Search Report and The Written Opinion of The International Searching Authority, or The Declaration; International Search Report for related International Application No. PCT/B2019/053012, dated Aug. 16, 2020, 5 pages.

\* cited by examiner

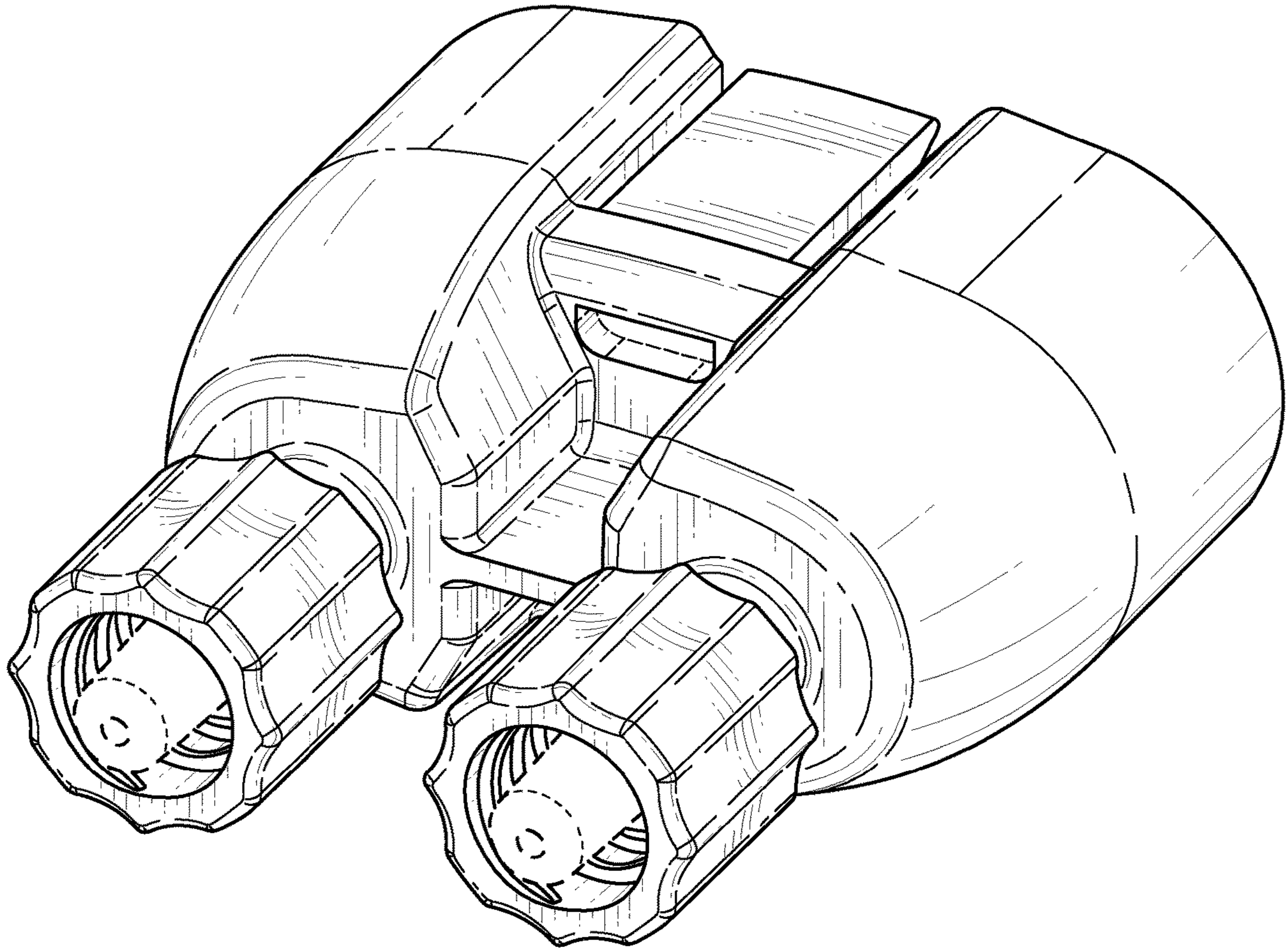
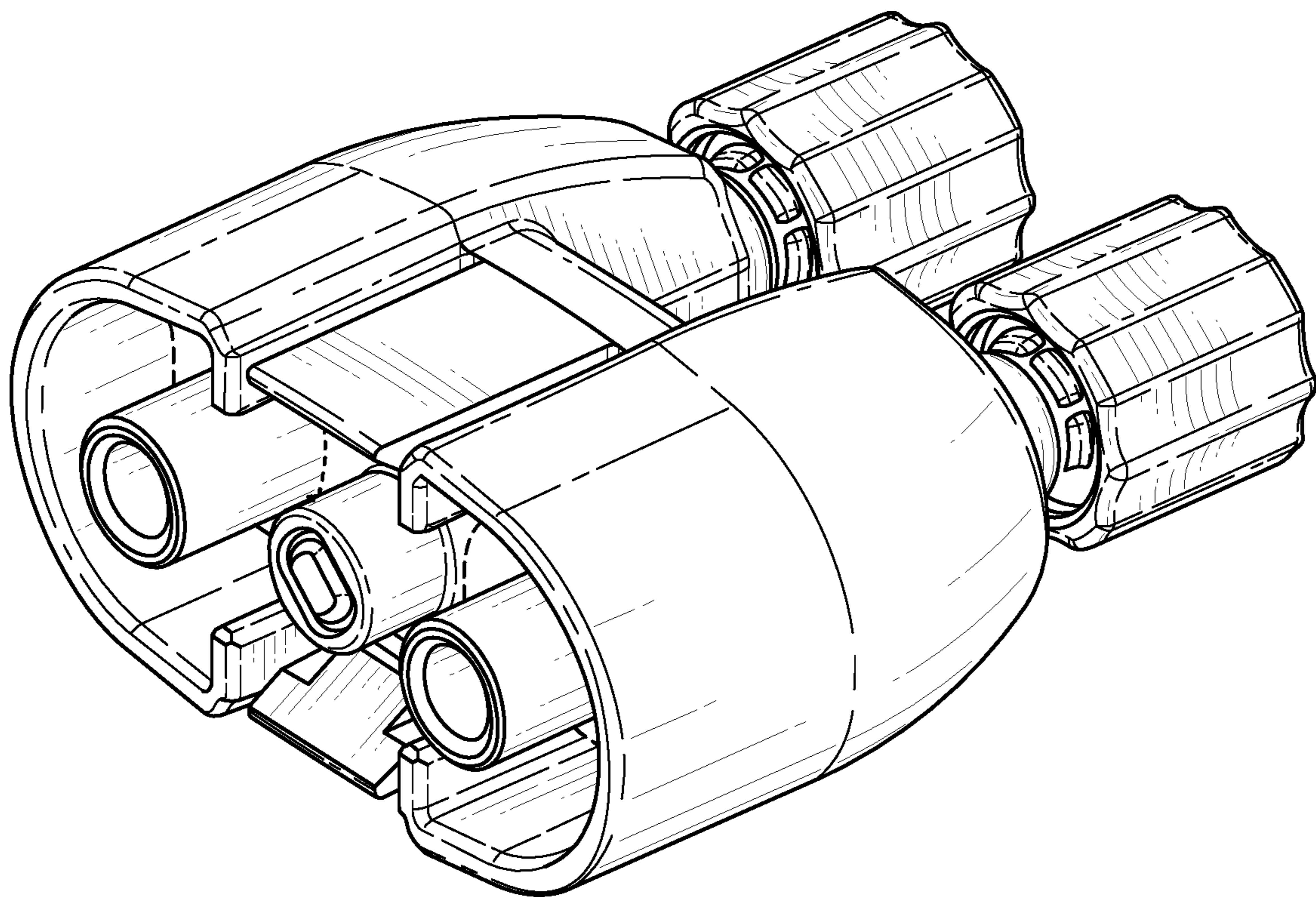
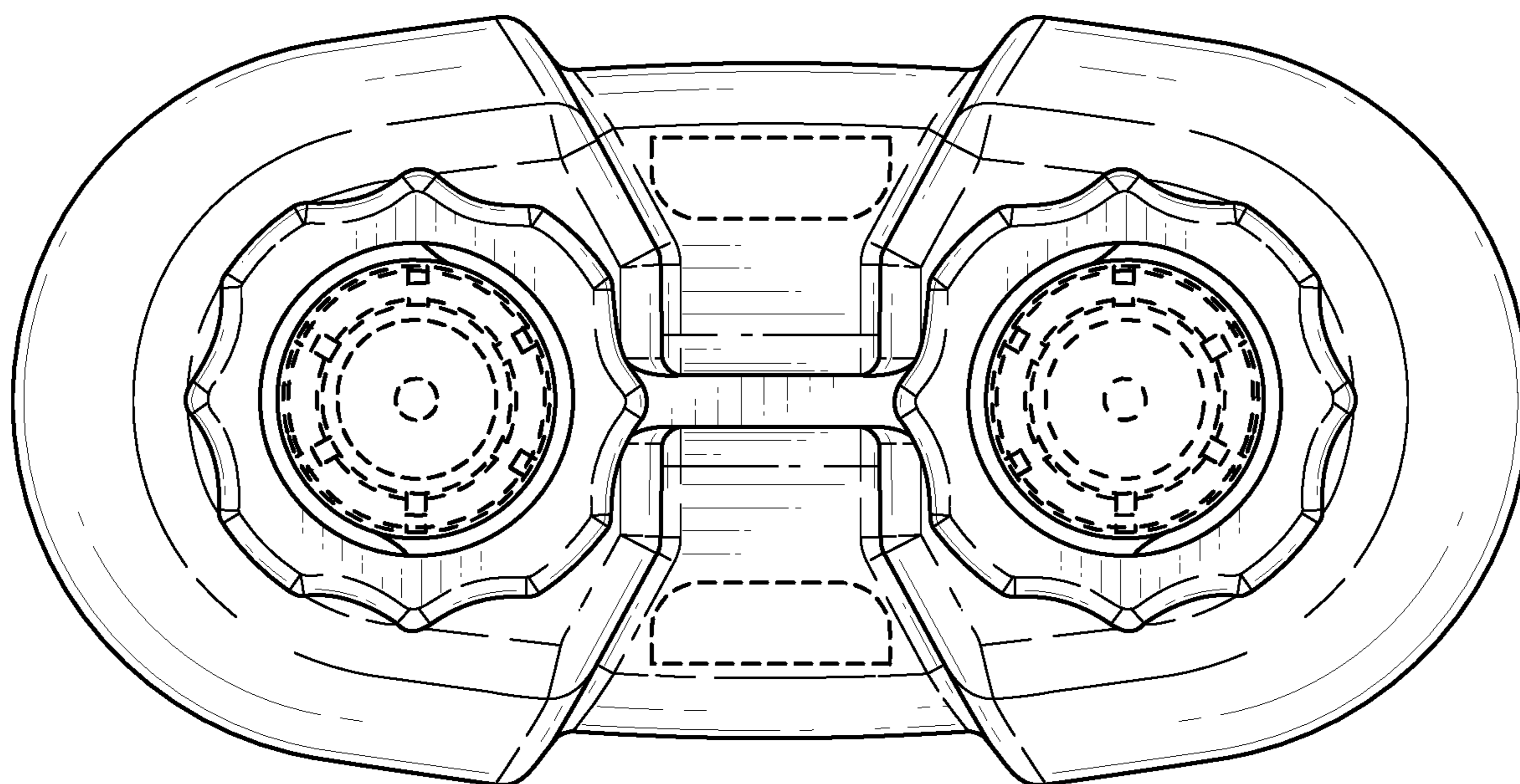


FIG. 1



*FIG. 2*



*FIG. 3*

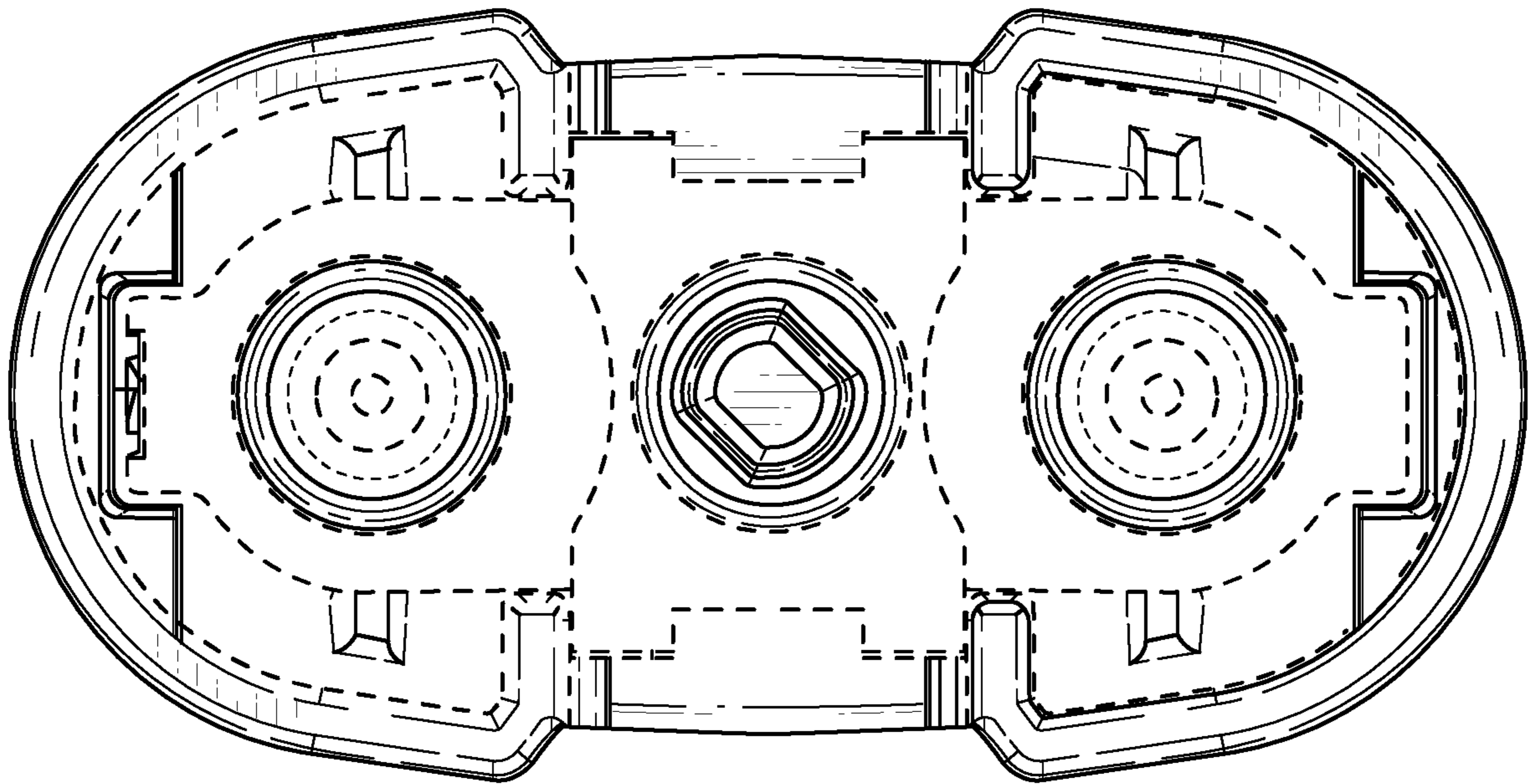
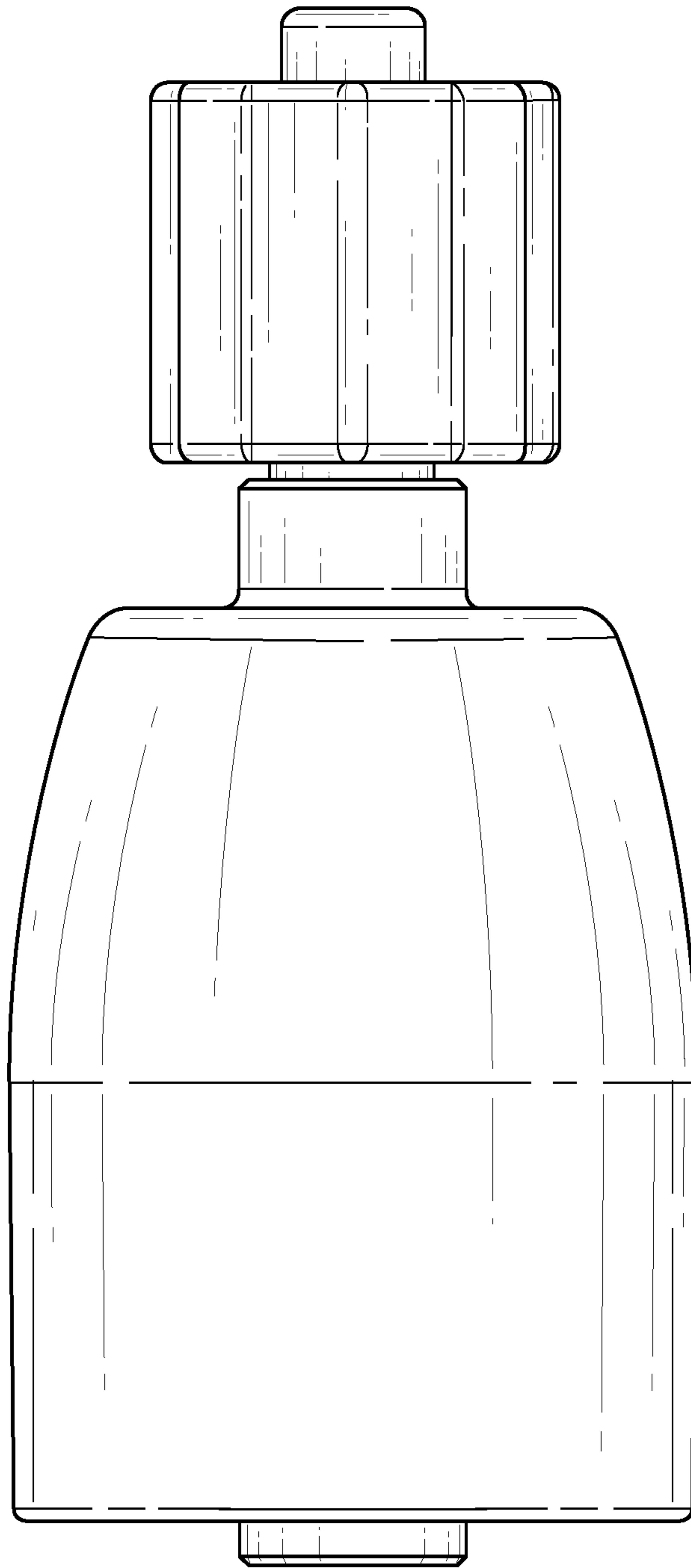


FIG. 4



*FIG. 5*

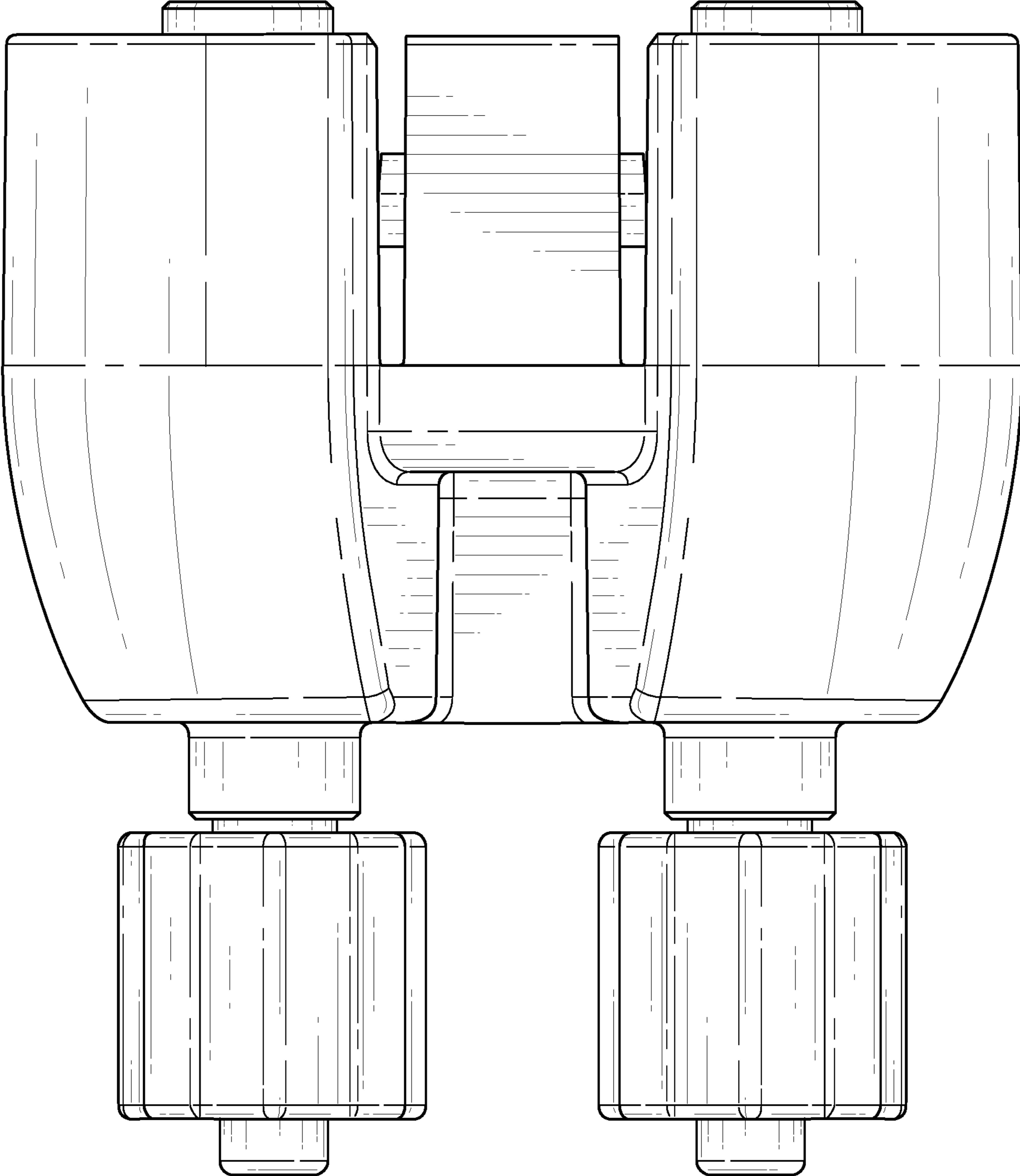


FIG. 6