

US00D977377S

(12) **United States Design Patent**
Tao

(10) **Patent No.:** **US D977,377 S**

(45) **Date of Patent:** **** Feb. 7, 2023**

- (54) **TRACTOR SHACKLE** 7,412,856 B1 * 8/2008 Gogel E05B 67/38
70/56
- (71) Applicant: **Xiaomeng Tao**, Pingdu (CN) D620,501 S 7/2010 Ergodan et al.
- (72) Inventor: **Xiaomeng Tao**, Pingdu (CN) D863,124 S 10/2019 Siegel
- (73) Assignee: **QINGDAO HONGMAI MACHINERY CO., LTD.**, Shandong (CN) D898,628 S * 10/2020 Sagen D12/162
- (**) Term: **15 Years** D904,237 S * 12/2020 Qiu D12/162
- (21) Appl. No.: **29/865,329** D906,187 S * 12/2020 Foeldesi D12/162
- (22) Filed: **Jul. 19, 2022** D914,552 S * 3/2021 Babar D12/162
- (30) **Foreign Application Priority Data** D920,855 S * 6/2021 Wiczorek D12/162
- Jun. 15, 2022 (CN) 202230365375.3 D962,832 S * 9/2022 Huang D12/162
- (51) **LOC (14) Cl.** **12-16** D964,223 S * 9/2022 Olaru D12/162
- (52) **U.S. Cl.** USPC **D12/162** D966,956 S * 10/2022 Huang D12/162
- (58) **Field of Classification Search** D971,713 S * 12/2022 Huang D12/162
- USPC D12/159, 160, 161, 162, 400; D21/317, D21/777, 810
- CPC . B60D 1/60; B60D 1/065; B60D 1/00; B60D 1/06; B60D 1/36; B62D 33/033
- See application file for complete search history.
- (56) **References Cited** 2002/0140206 A1 10/2002 Lloyd
- U.S. PATENT DOCUMENTS**
- 1,189,966 A 7/1916 Kellogg
- 2,386,836 A 10/1945 Rudolph
- 2,709,616 A * 5/1955 Larson F16G 15/06
403/291
- 3,348,273 A 10/1967 Norman
- 3,908,415 A * 9/1975 Foote E05B 67/06
70/53
- 6,158,760 A 12/2000 Kiss

* cited by examiner

Primary Examiner — Katrina A Betton

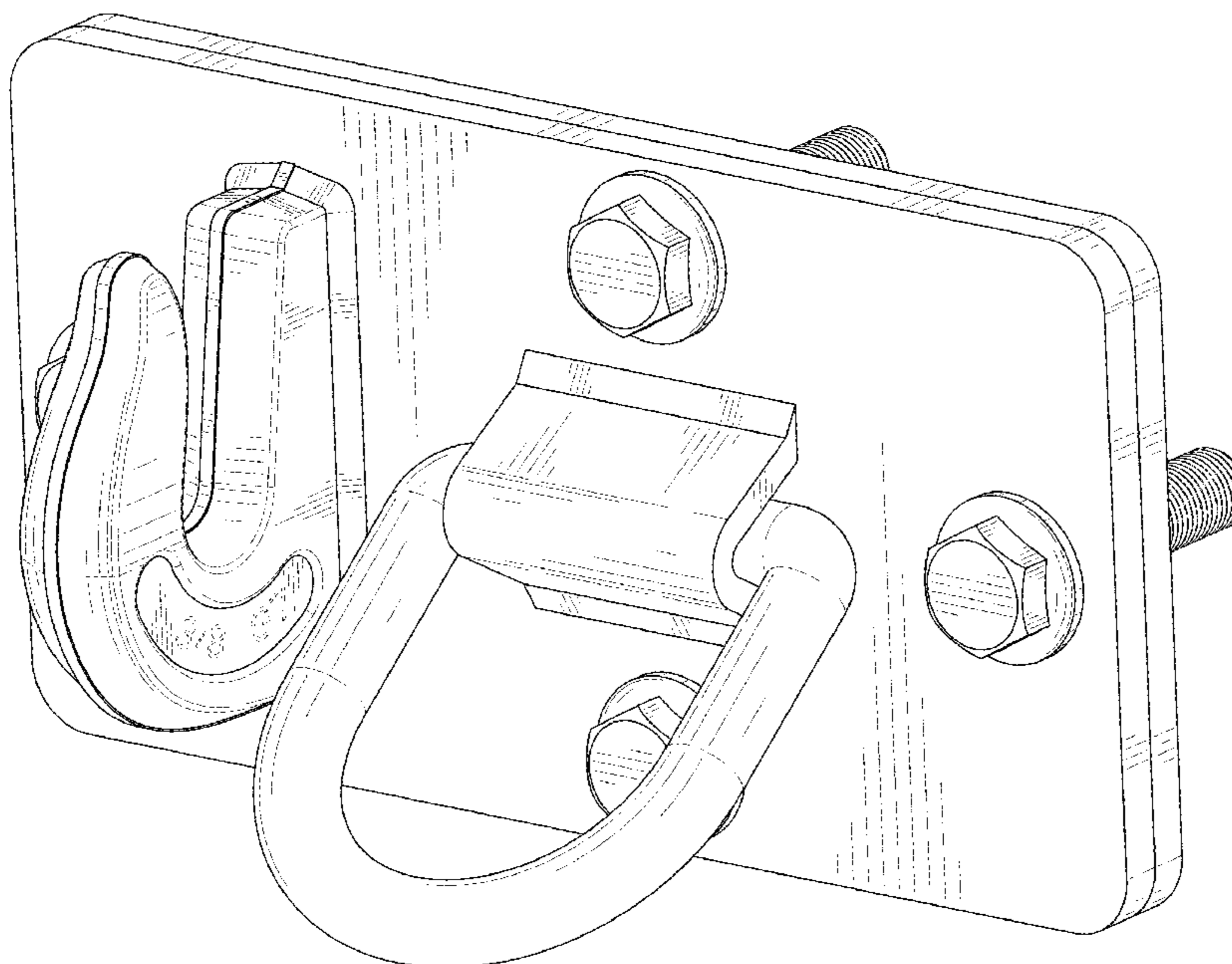
(57) **CLAIM**

The ornamental design for a tractor shackle, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a tractor shackle showing my new design;
 FIG. 2 is another perspective view thereof;
 FIG. 3 is a front elevational view thereof;
 FIG. 4 is a rear elevational view thereof;
 FIG. 5 is a left side elevational view thereof;
 FIG. 6 is a right side elevational view thereof;
 FIG. 7 is a top plan view thereof;
 FIG. 8 is a bottom plan view thereof; and,
 FIG. 9 is an enlarged view of portion 9 shown in FIG. 2.
 The broken lines depict portions of the tractor shackle that form no part of the claimed design.

1 Claim, 9 Drawing Sheets



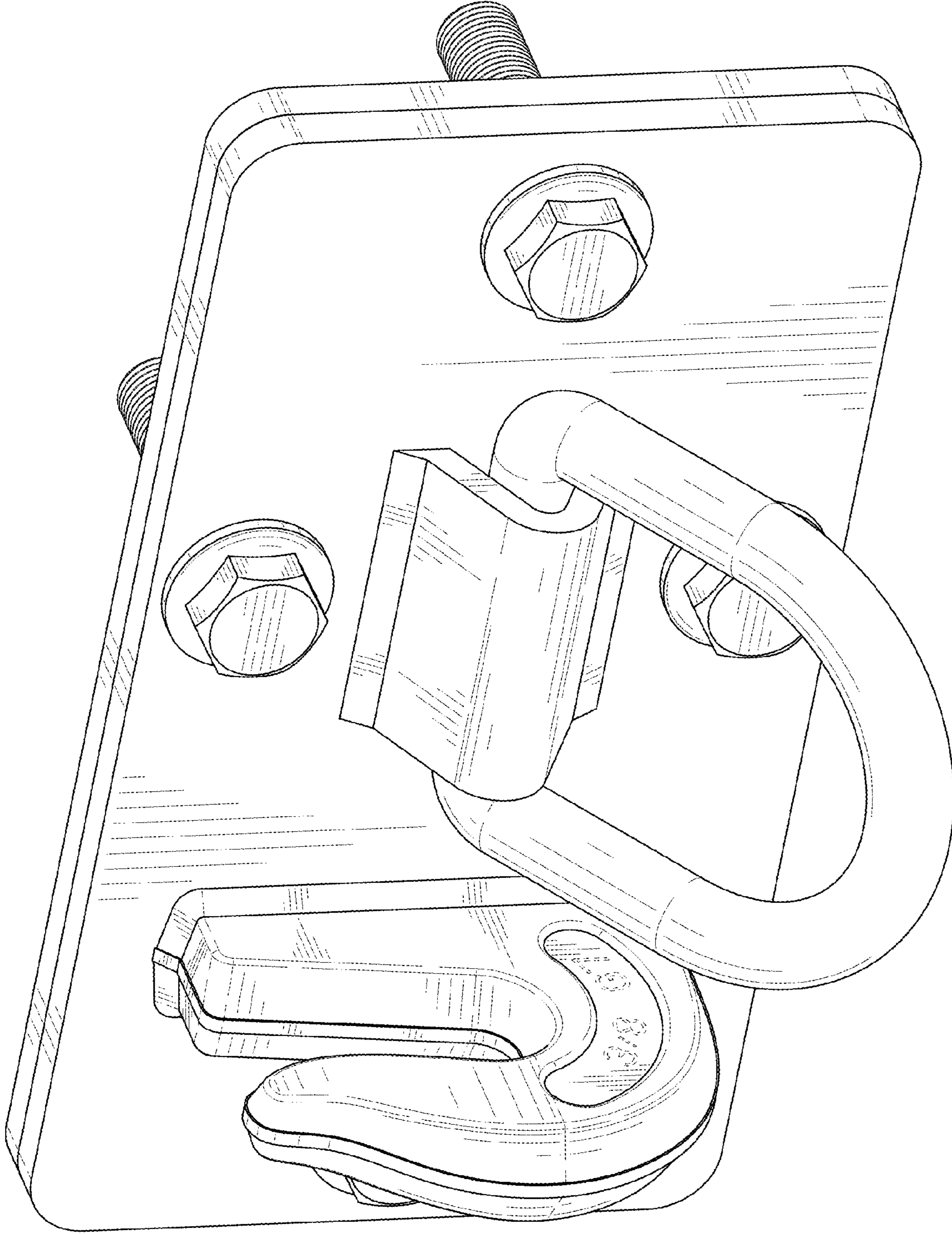


FIG. 1

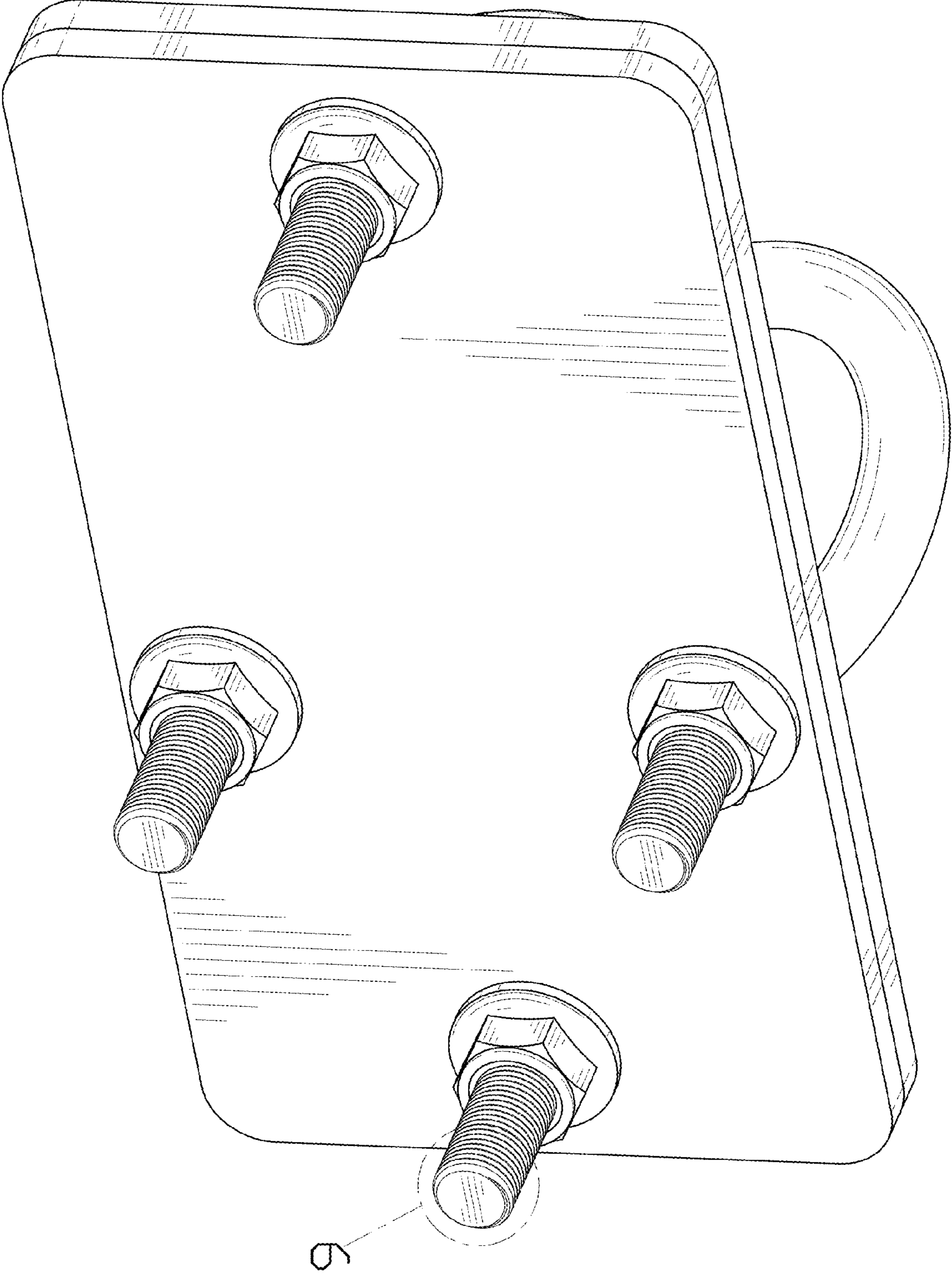


FIG. 2

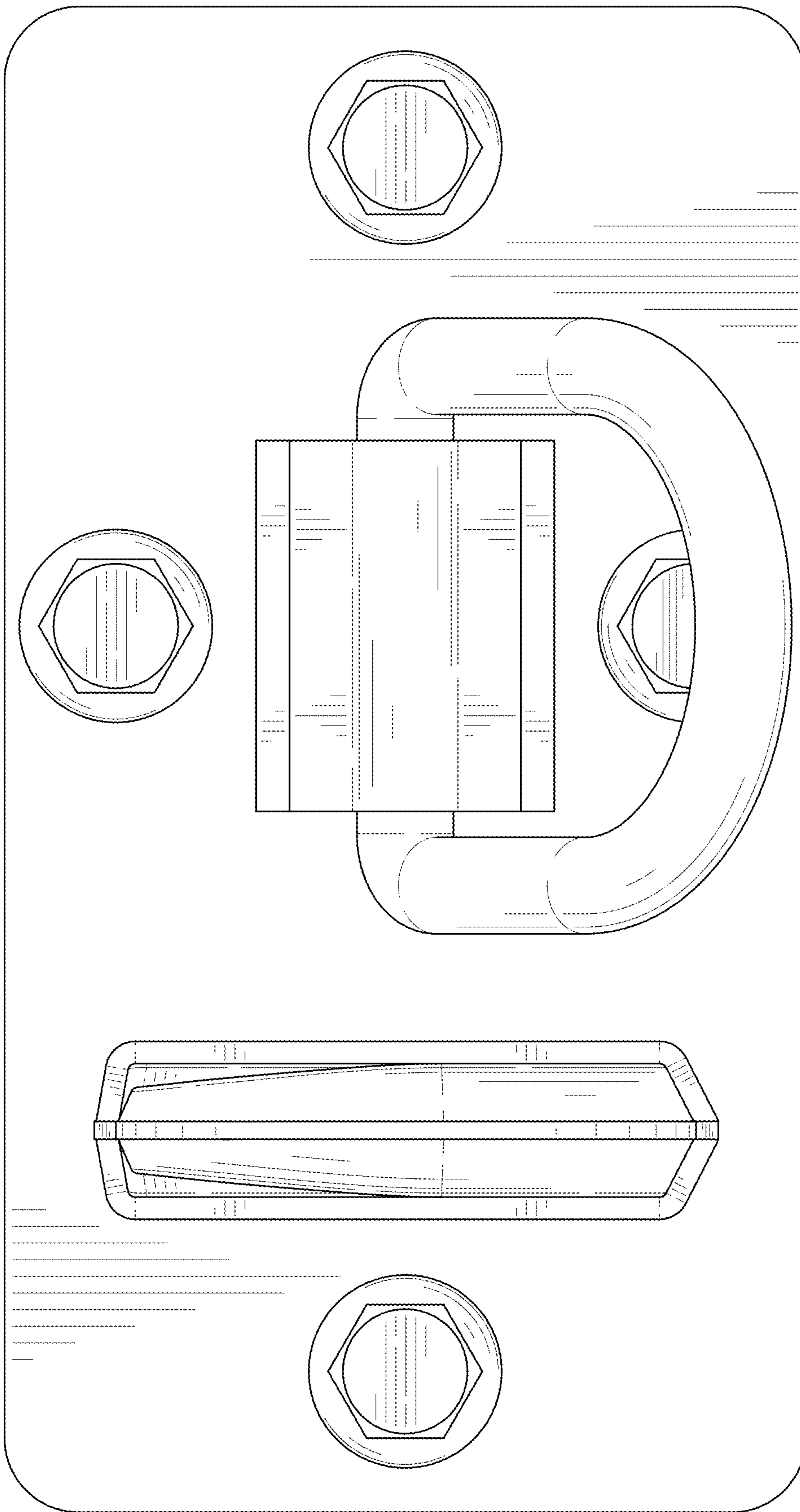


FIG. 3

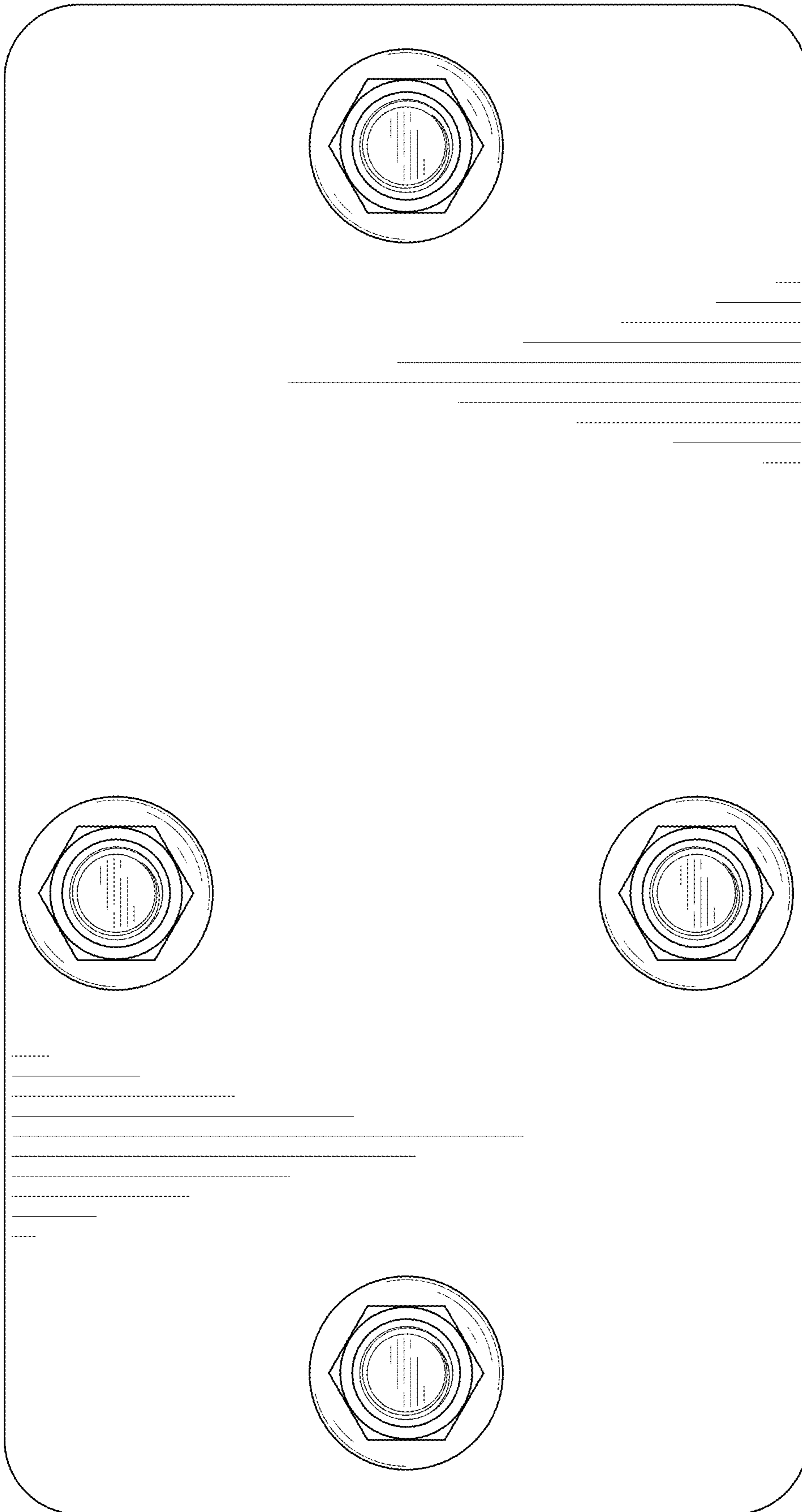


FIG. 4

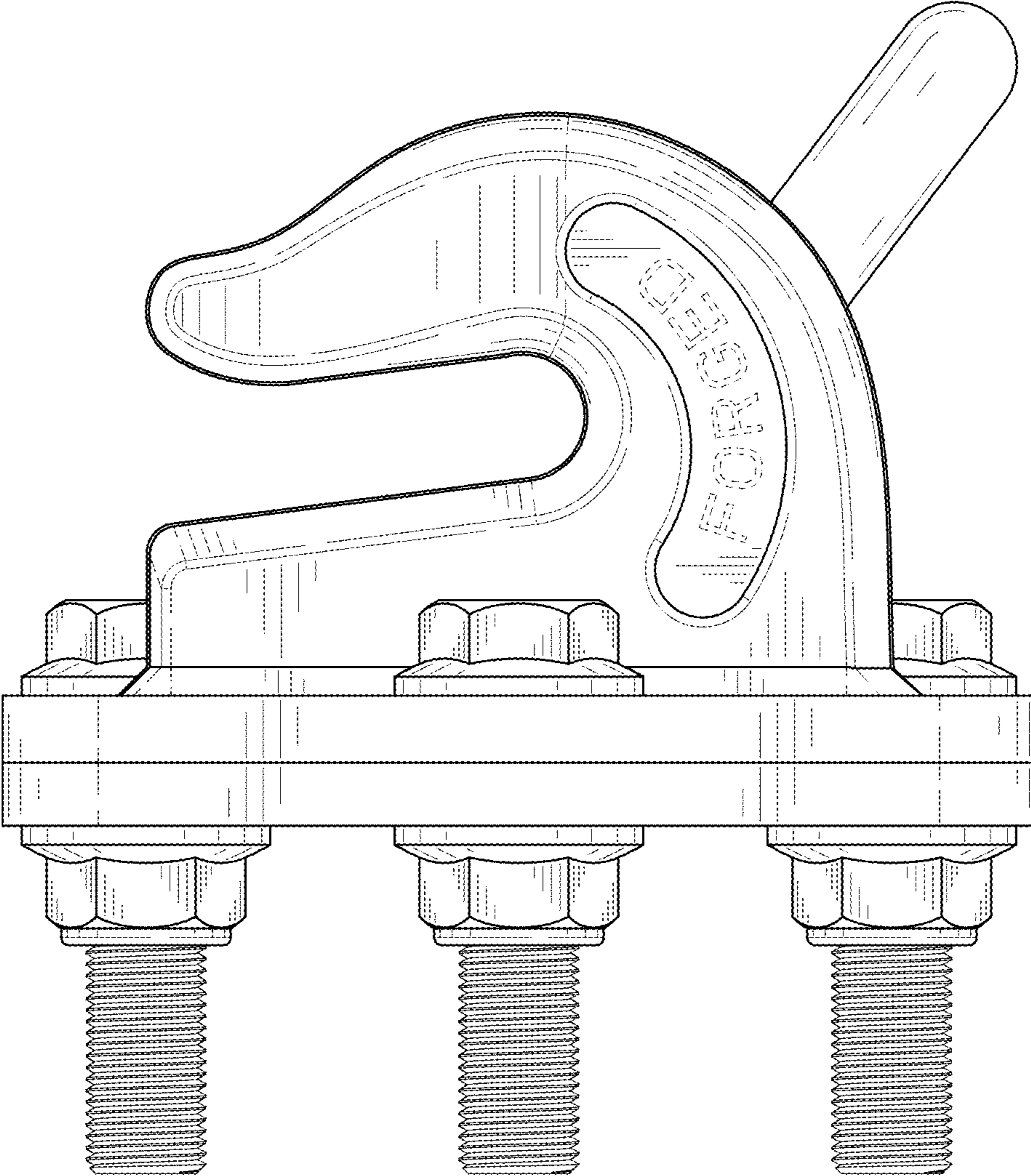


FIG. 5

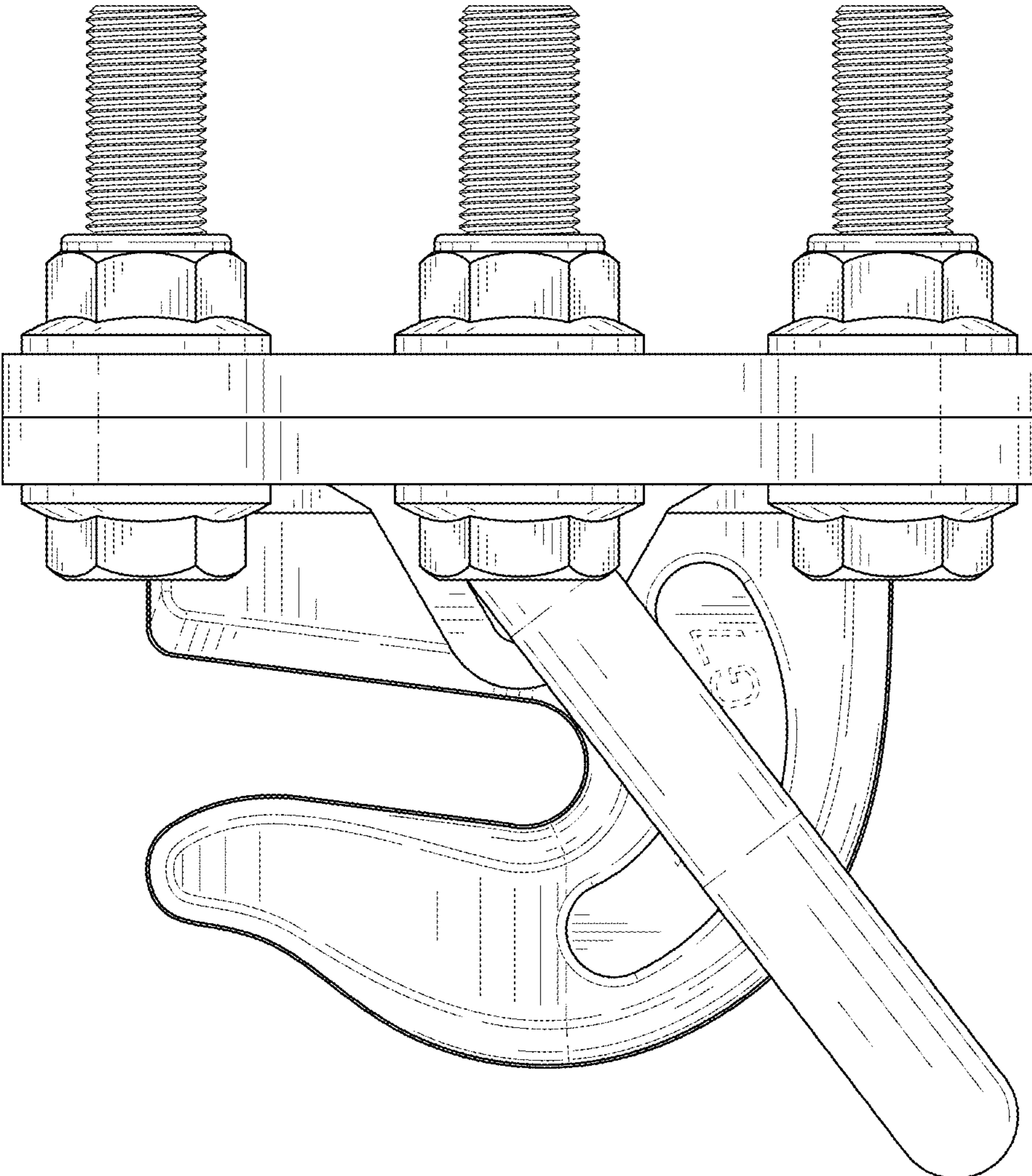


FIG. 6

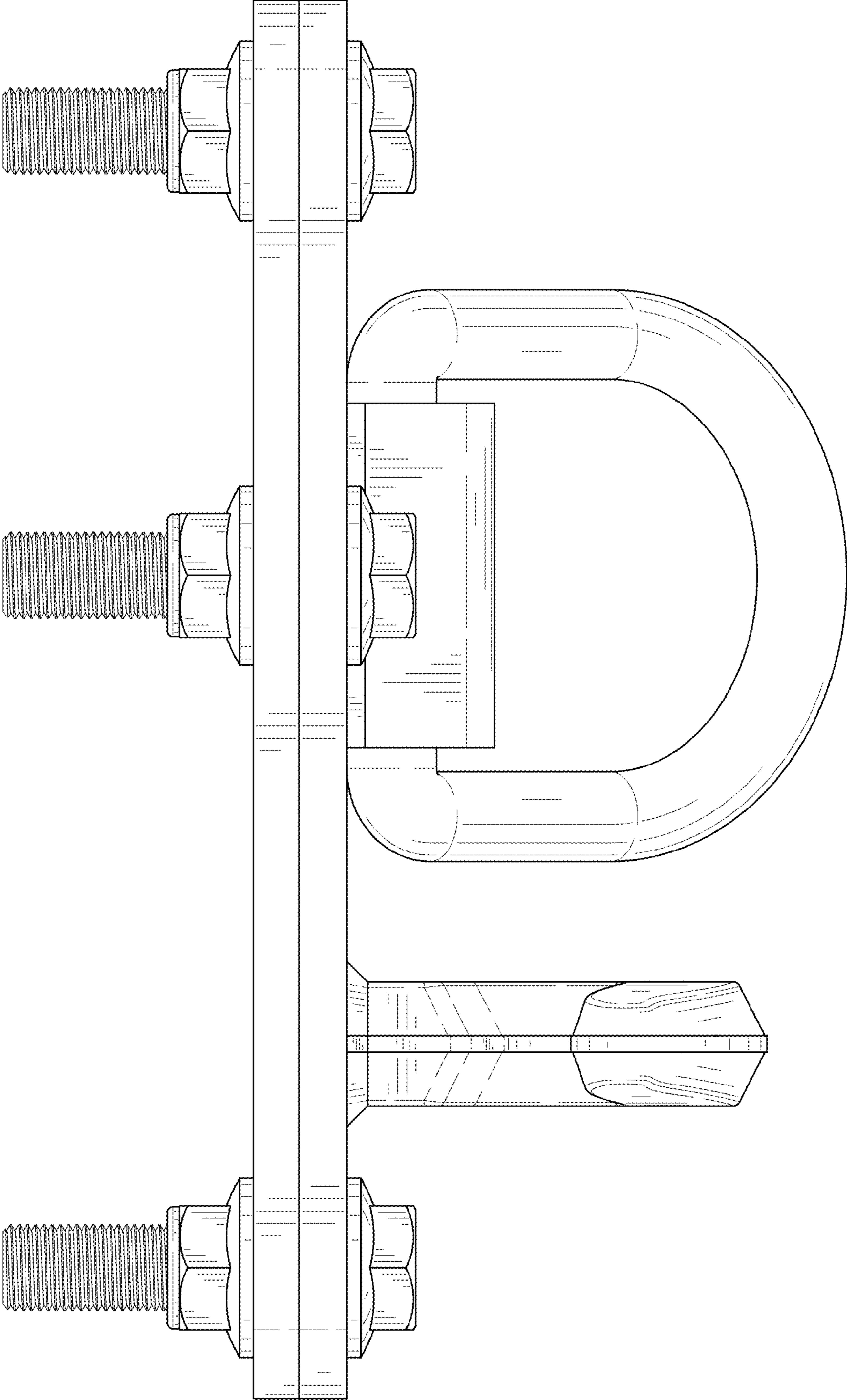


FIG. 7

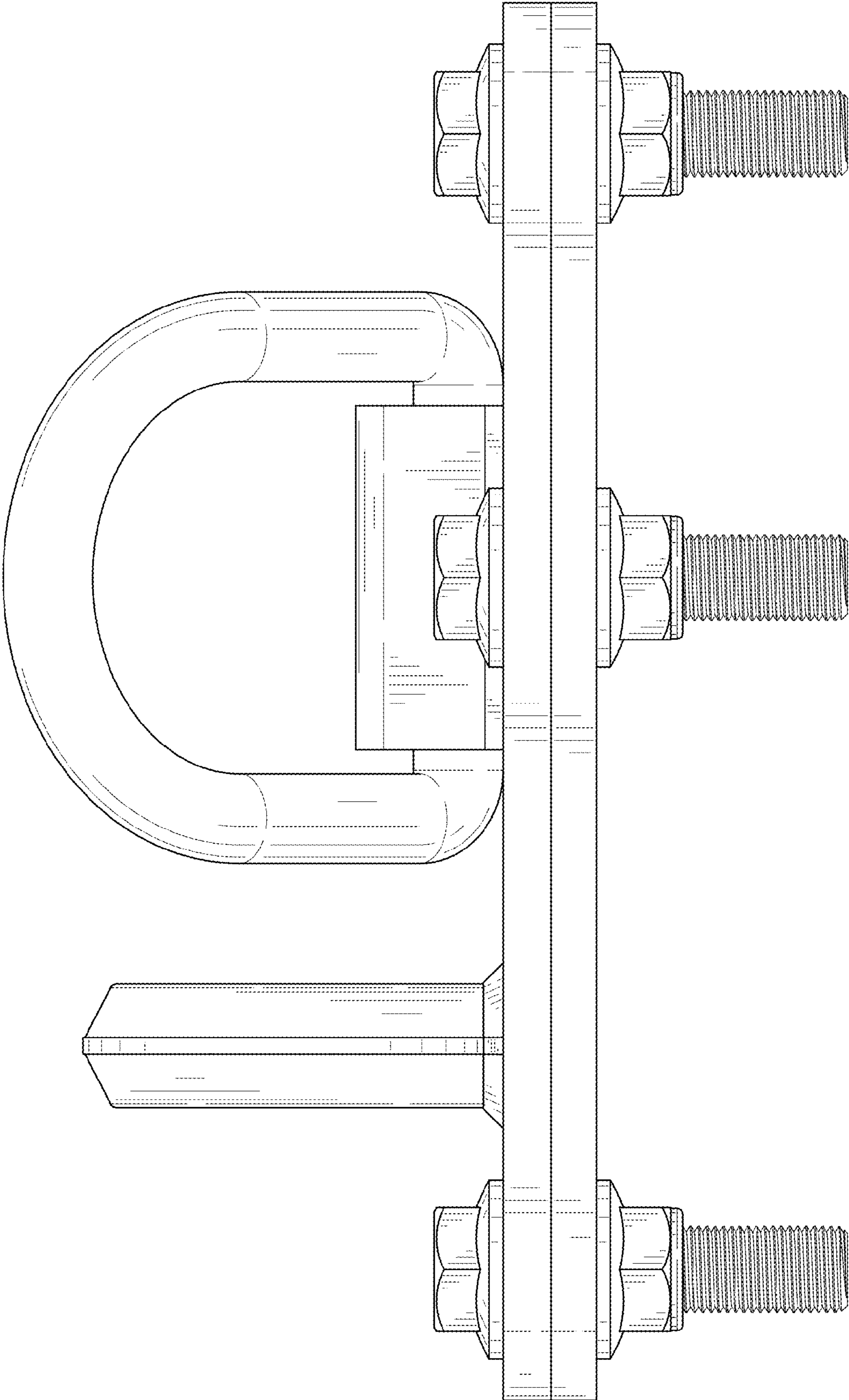


FIG. 8

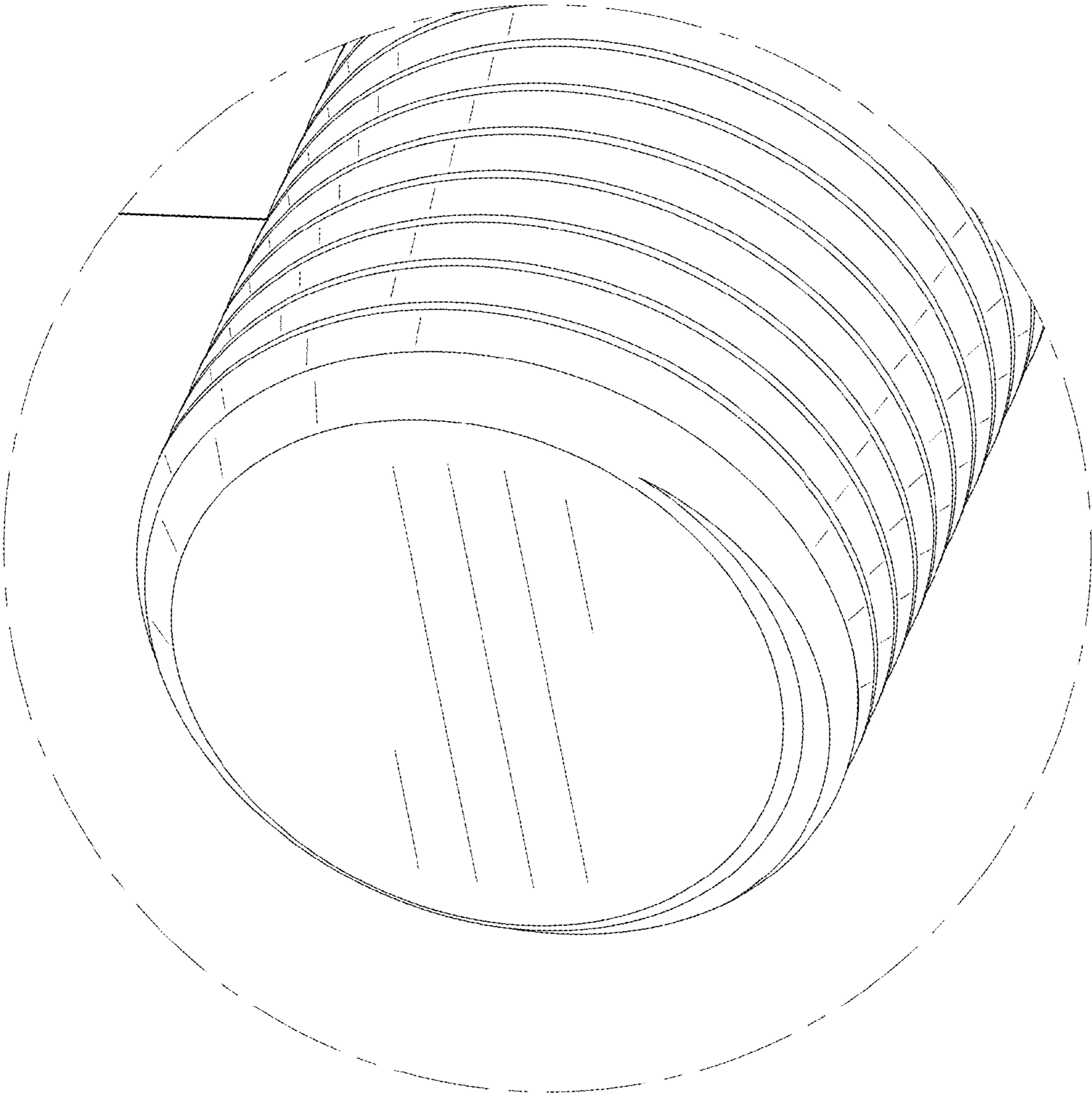


FIG. 9