

US00D677281S

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

(10) **Patent No.:** **US D677,281 S**
(45) **Date of Patent:** **** Mar. 5, 2013**

(54) **VACUUM PUMP**

(75) Inventors: **Didier Müller**, Delemont (CH);
Theodore Iltchev, Grandvillars (FR);
Stephane Varrin, Coeuve (CH);
Philippe Schwob, Roppentzwiller (FR)

(73) Assignee: **Ateliers Busch SA**, Chevenez (CH)

(**) Term: **14 Years**

(21) Appl. No.: **29/415,074**

(22) Filed: **Mar. 7, 2012**

(30) **Foreign Application Priority Data**

Sep. 7, 2011 (WO) 624434701

(51) **LOC (9) Cl.** **15-02**

(52) **U.S. Cl.** **D15/7**

(58) **Field of Classification Search** D15/7-9;
D23/231, 232, 225; 417/60, 235, 265, 321,
417/355, 358, 363, 359, 410.1, 415-416,
417/405, 900; 60/408, 412; 184/26-37;
415/140-147; 123/495, 509

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D340,458 S * 10/1993 Wang D15/7

D375,505 S * 11/1996 Wong D15/9
D512,727 S * 12/2005 Hussaini et al. D15/9
D611,962 S * 3/2010 Schneider et al. D15/9
D620,500 S * 7/2010 Brandt et al. D15/9
D621,853 S * 8/2010 Sundheim et al. D15/7
D624,493 S * 9/2010 Daniels et al. D13/107
D649,163 S * 11/2011 Moormann et al. D15/7
D657,383 S * 4/2012 Wang D15/7

* cited by examiner

Primary Examiner — Ralf Seifert

(74) *Attorney, Agent, or Firm* — Pearne & Gordon LLP

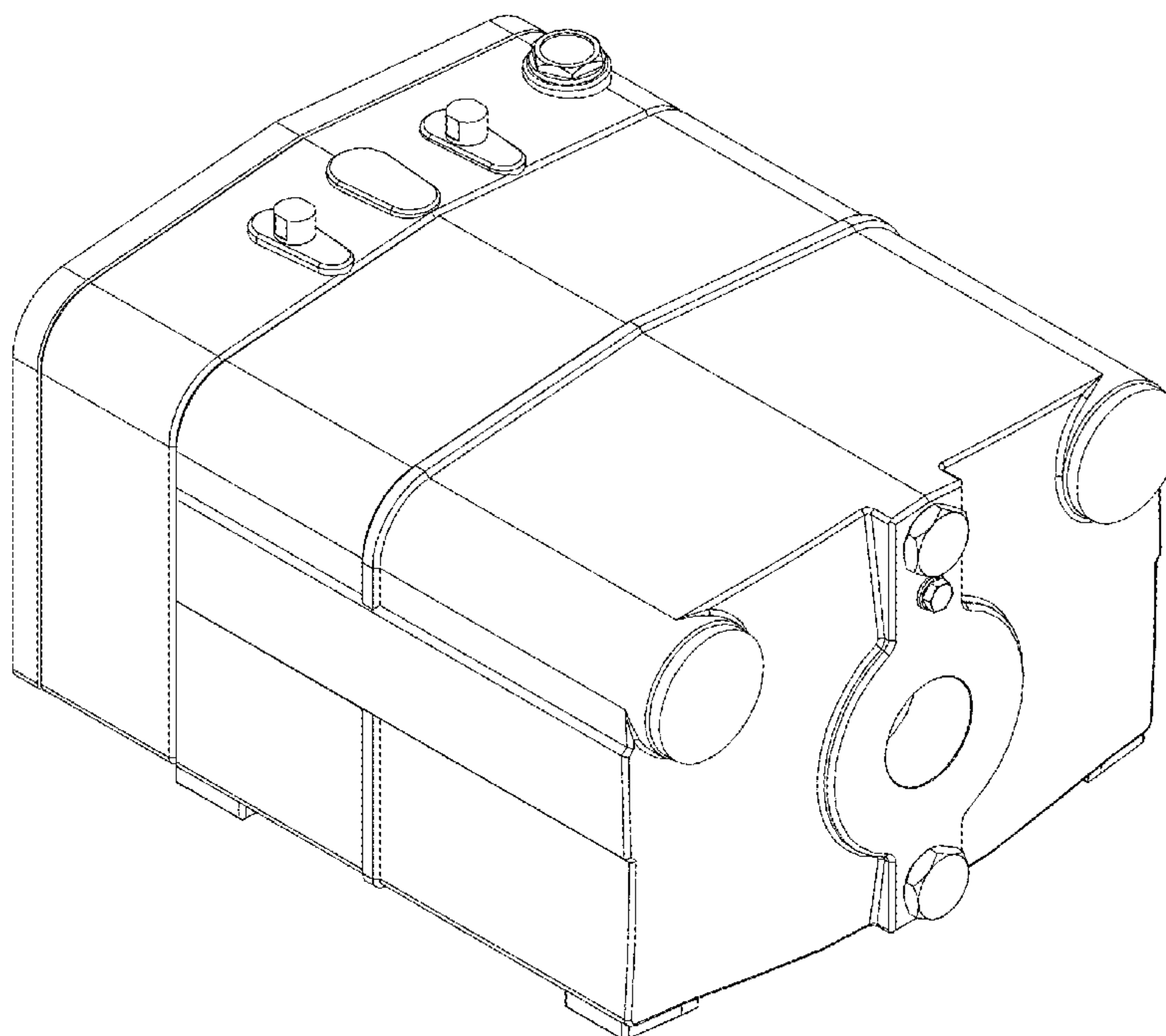
(57) **CLAIM**

The ornamental design for the vacuum pump, as shown and described.

DESCRIPTION

FIG. 1 is a view of a front side of the vacuum pump;
FIG. 2 is a view of a left side of the vacuum pump;
FIG. 3 is a view of a right side of the vacuum pump;
FIG. 4 is a view of a top side of the vacuum pump;
FIG. 5 is a view of a rear side of the vacuum pump;
FIG. 6 is a view of a bottom side of the vacuum pump;
FIG. 7 is a first perspective view of the vacuum pump;
FIG. 8 is a second perspective view of the vacuum pump;
FIG. 9 is a third perspective view of the vacuum pump; and,
FIG. 10 is a fourth perspective view of the vacuum pump.

1 Claim, 10 Drawing Sheets



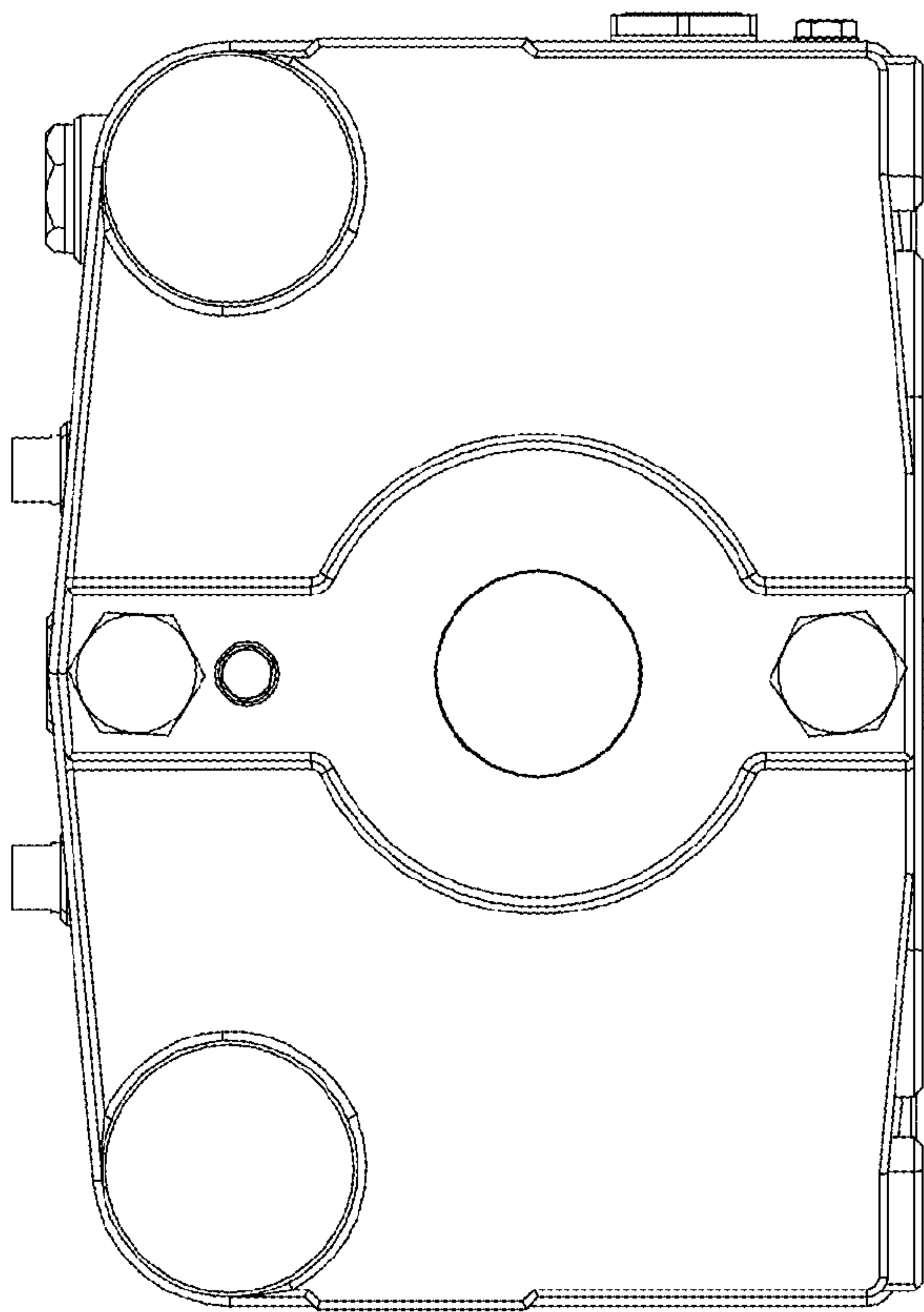


FIG. 1

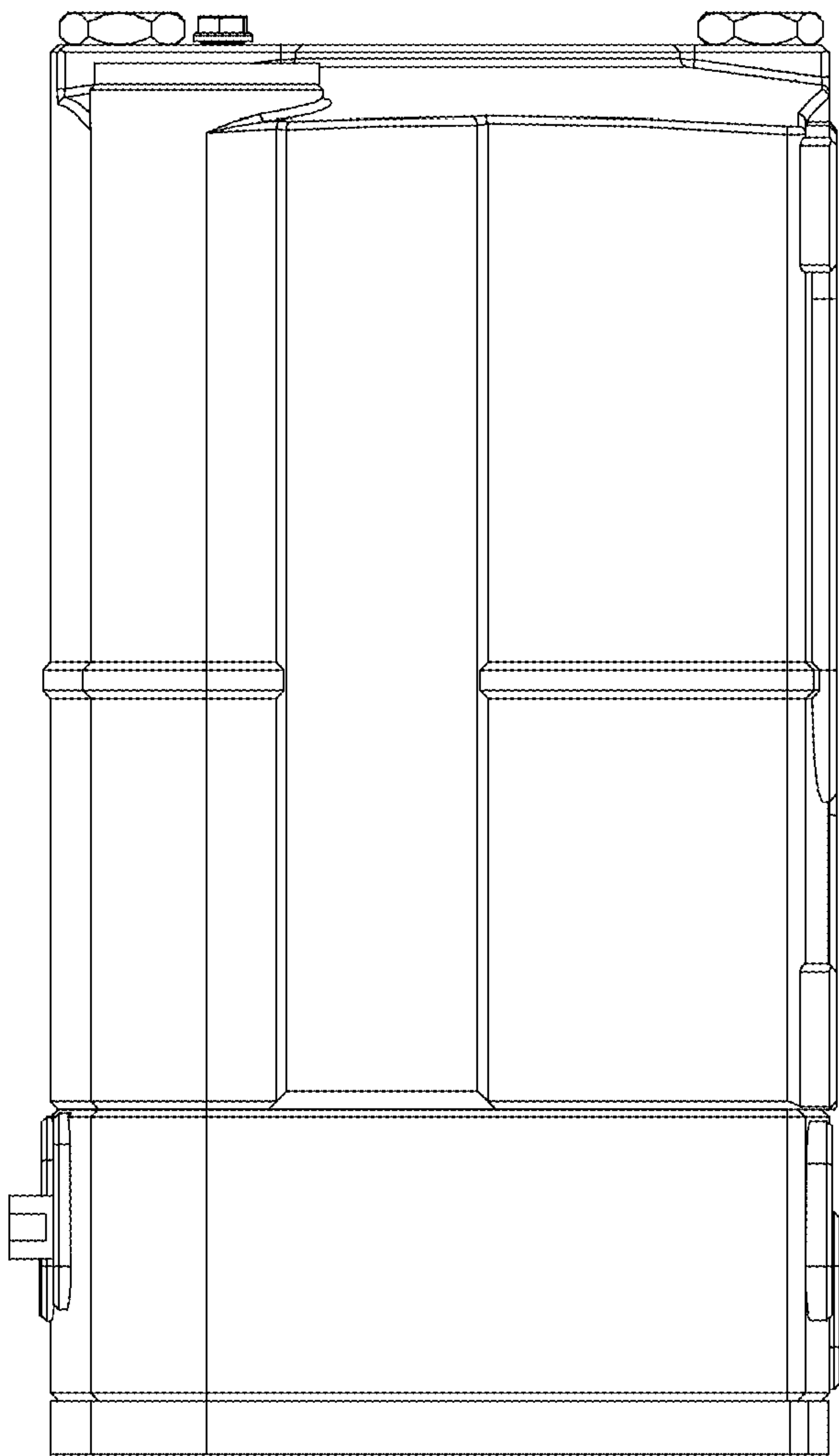


FIG. 2

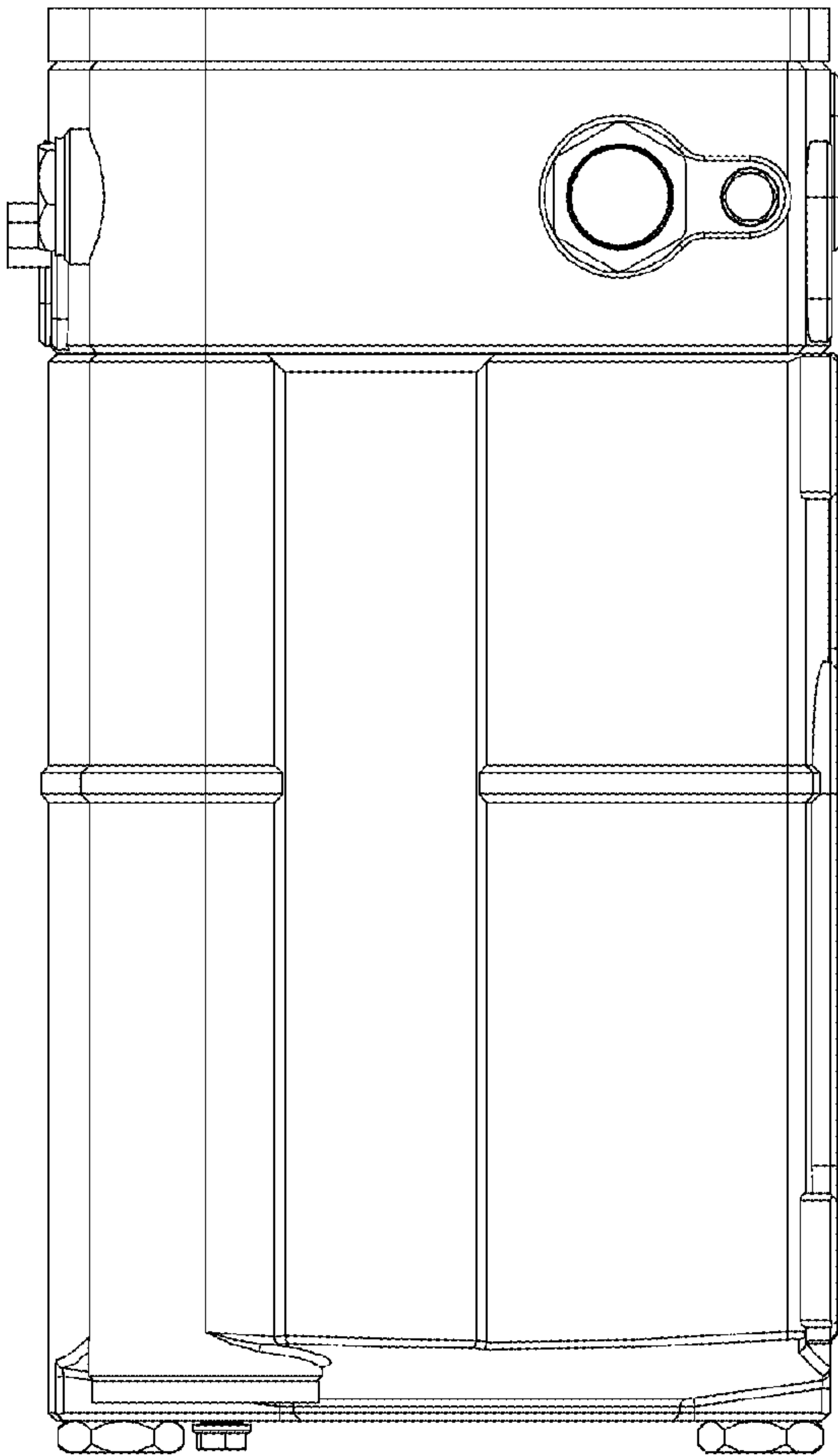


FIG. 3

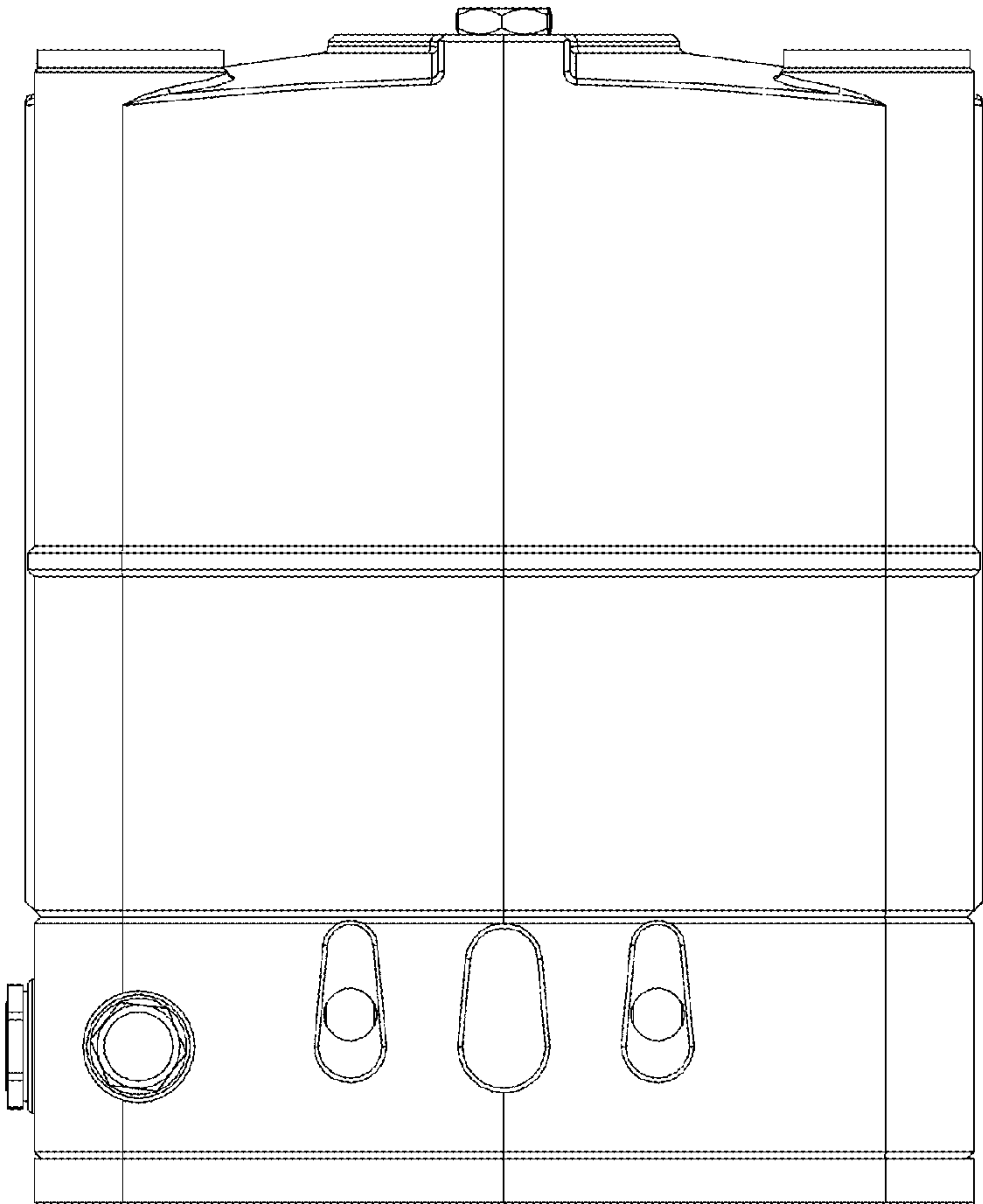


FIG. 4

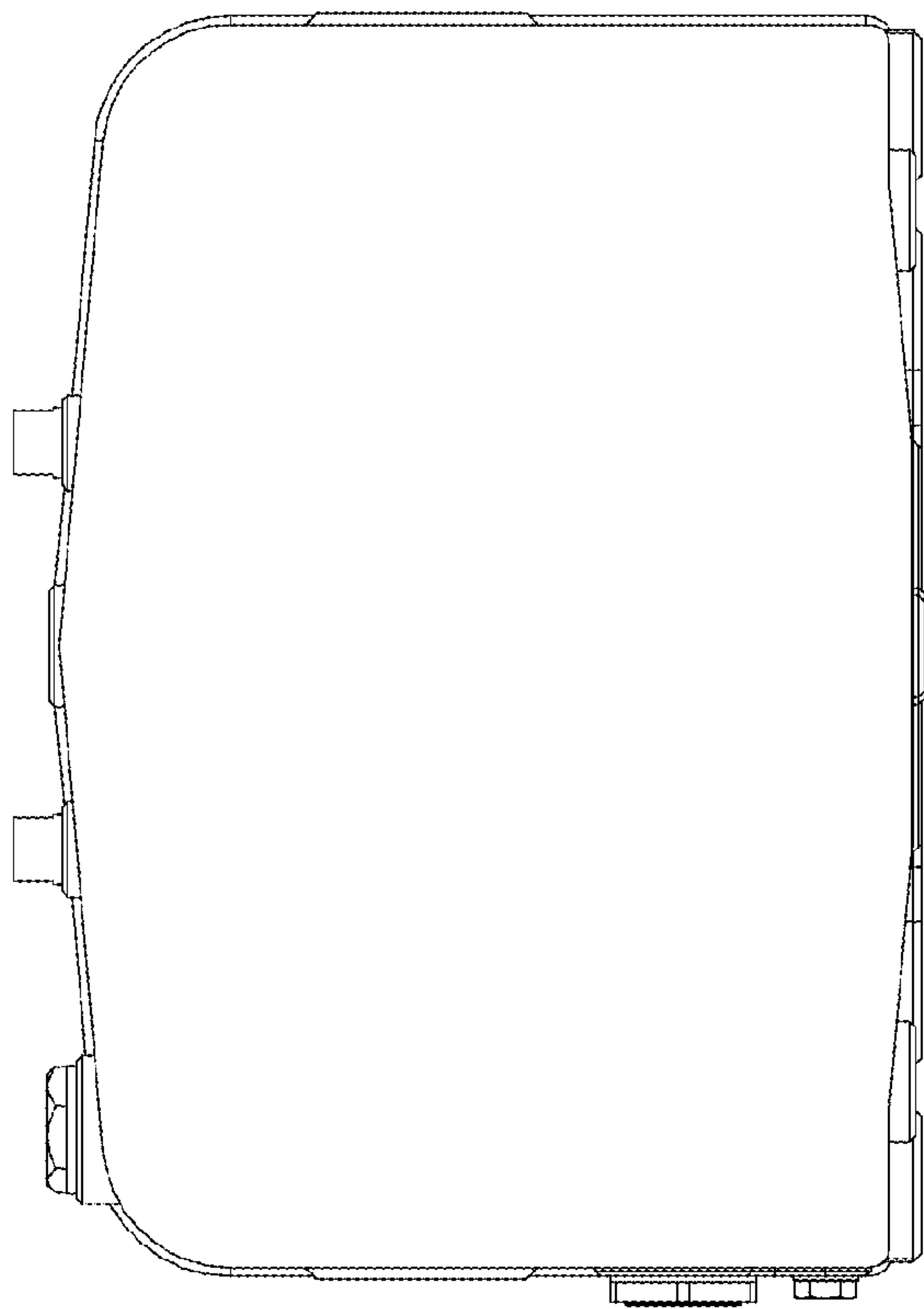


FIG. 5

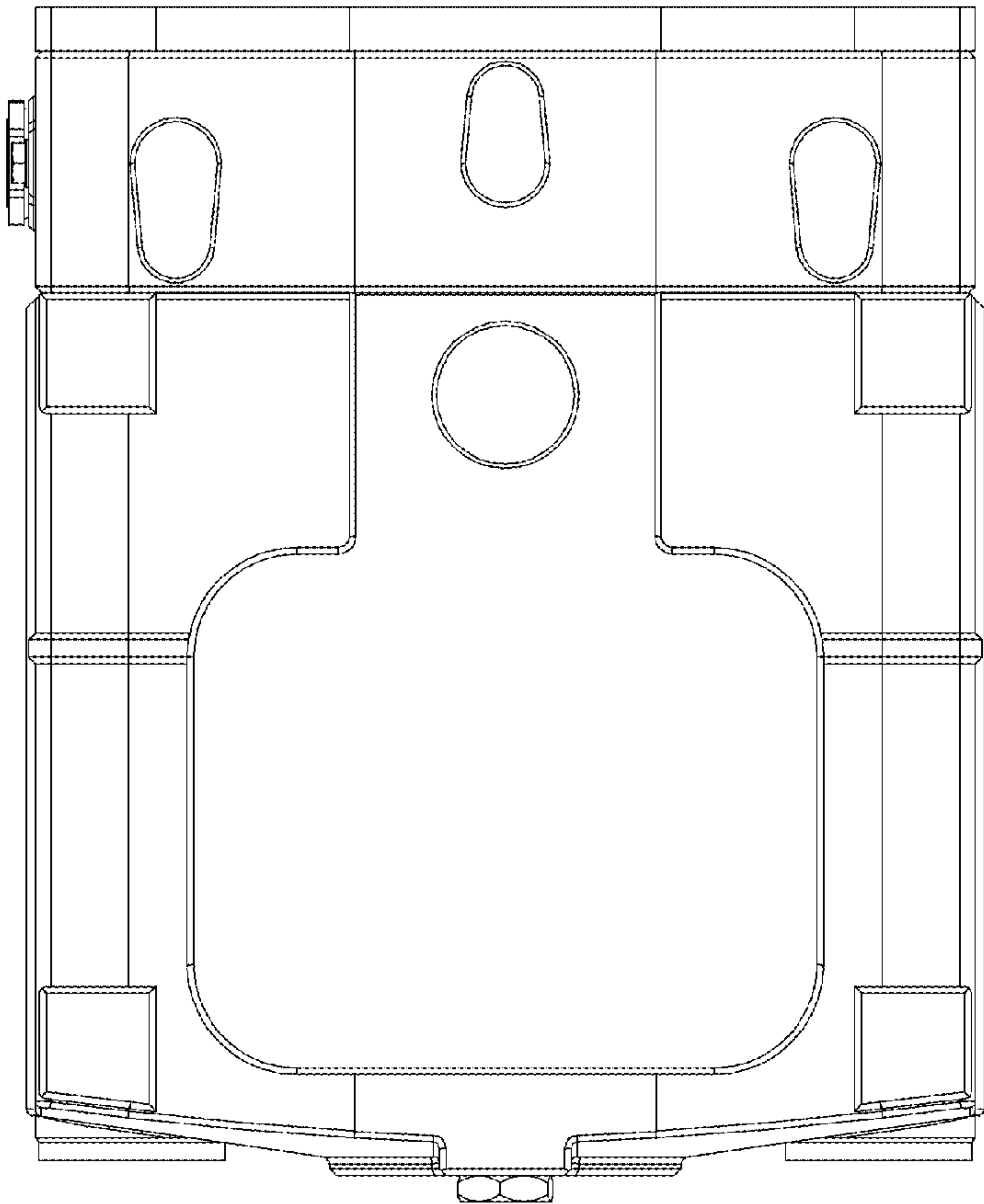


FIG. 6

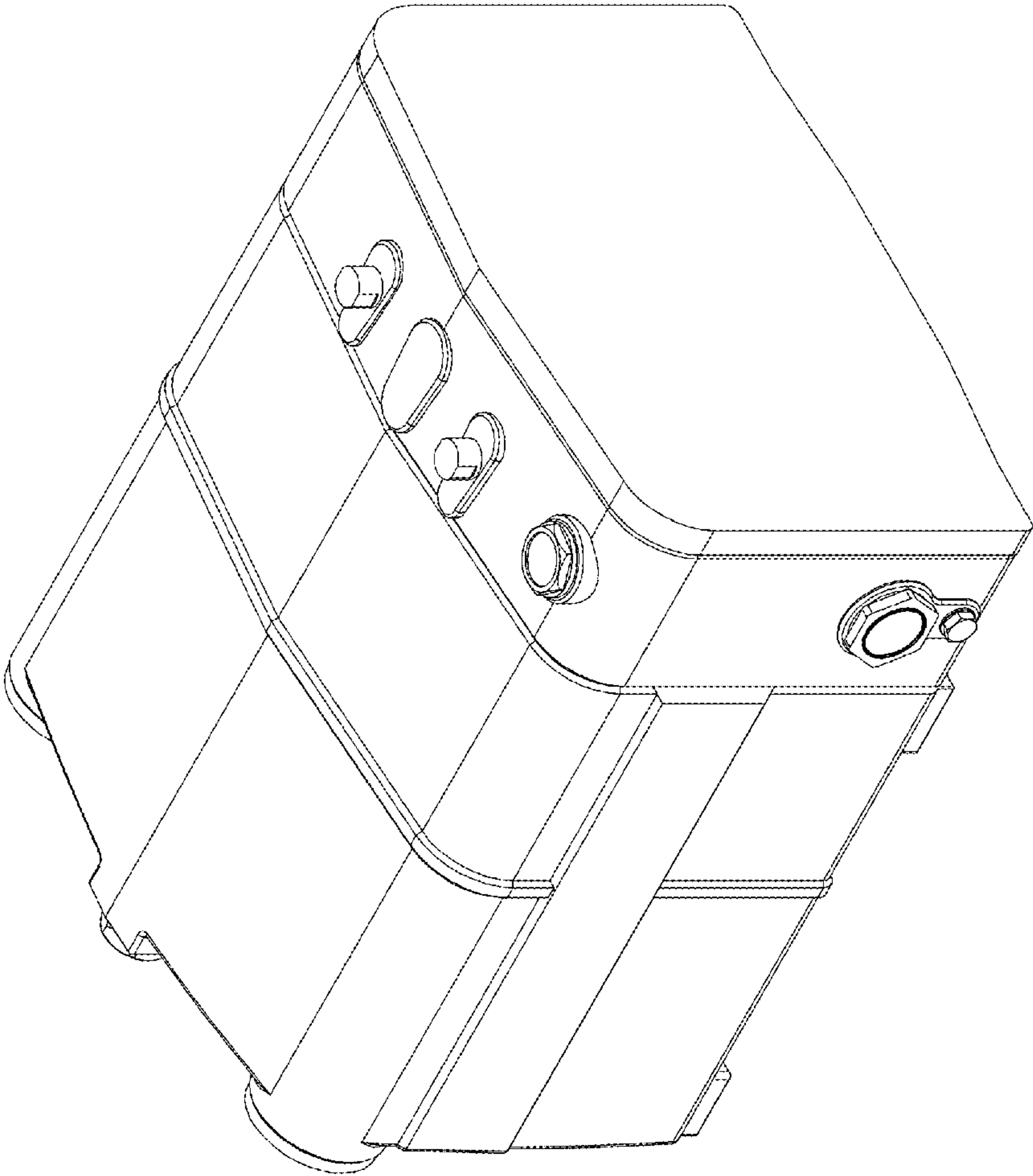


FIG. 7

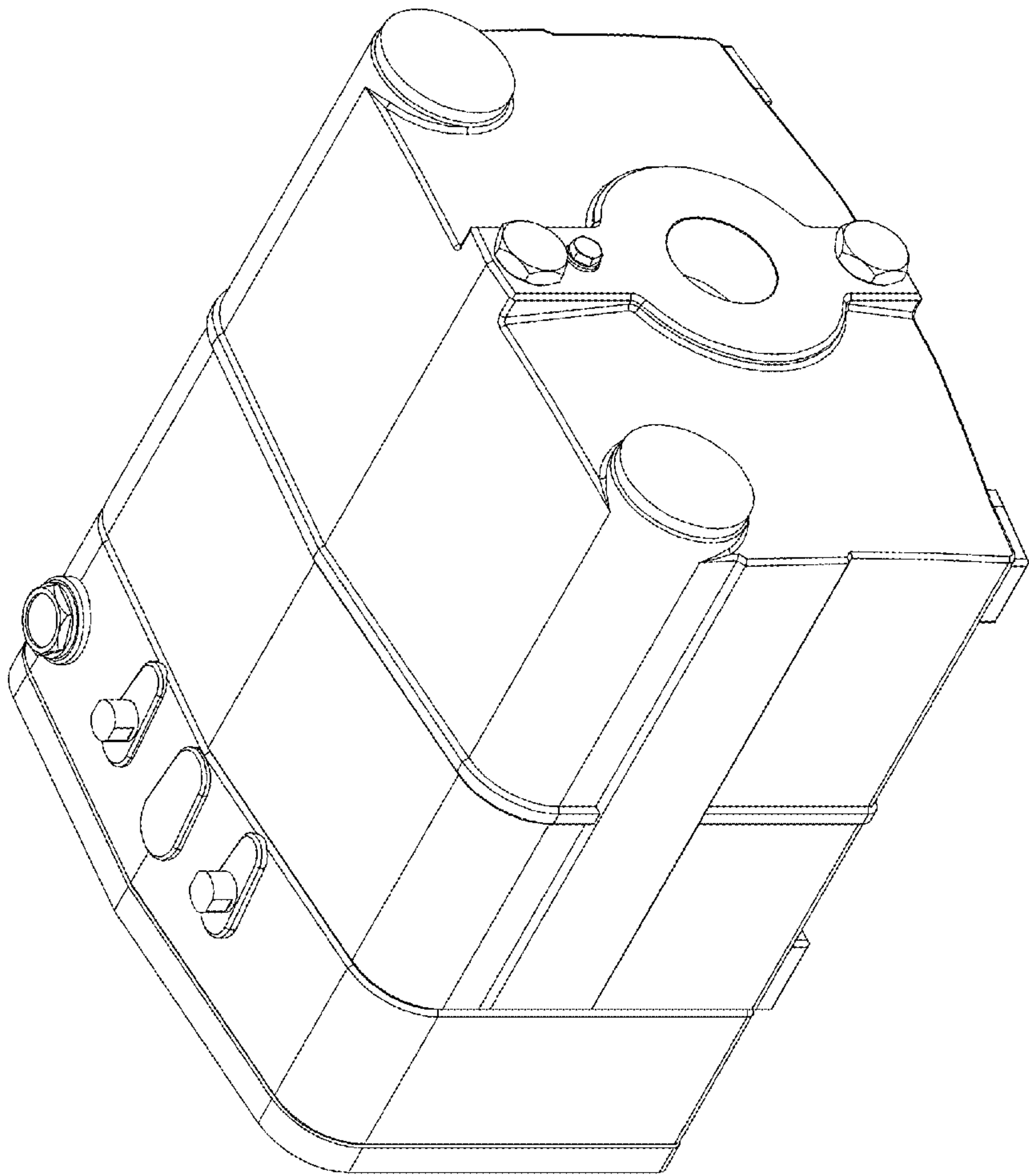


FIG. 8

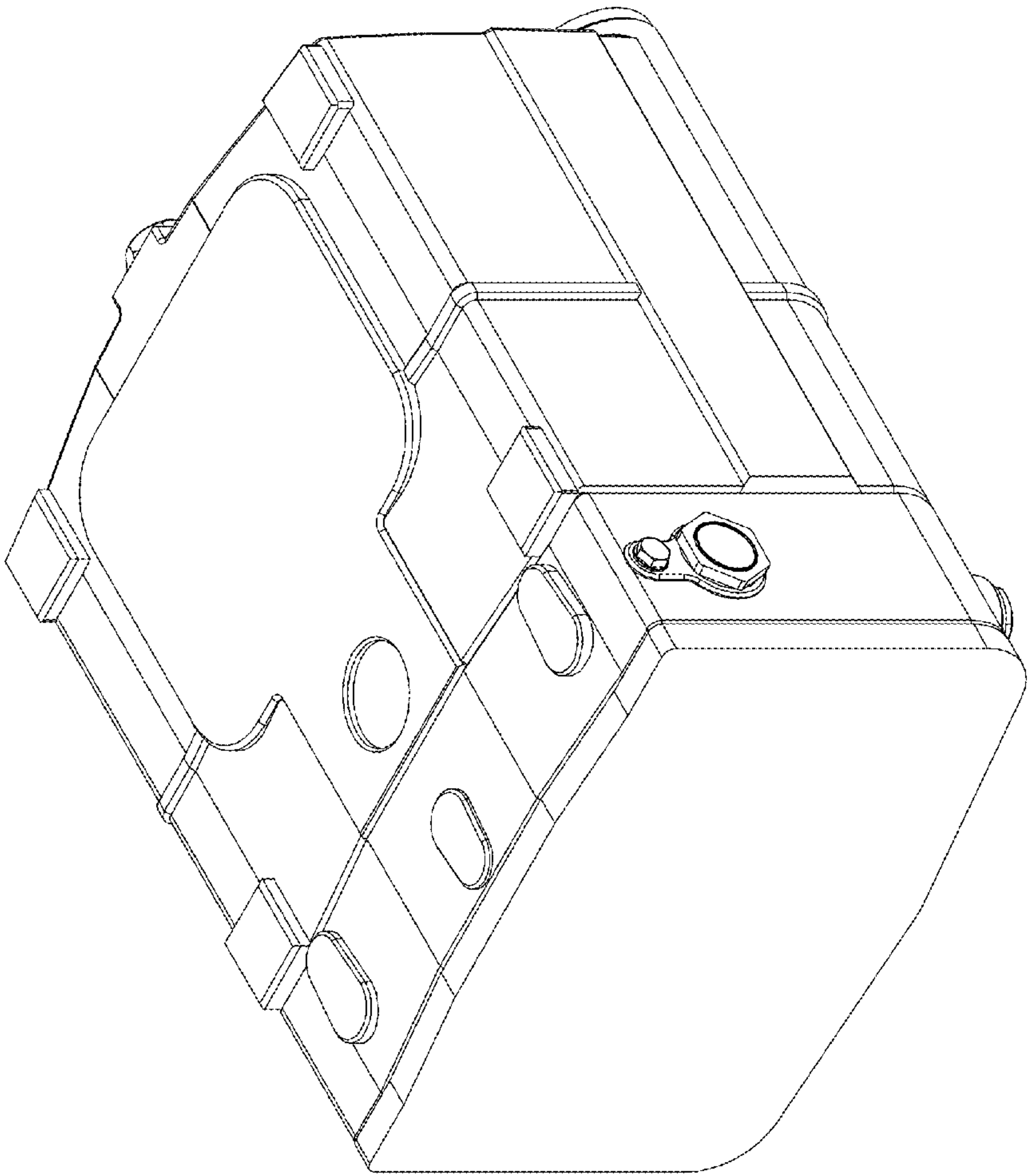


FIG. 9

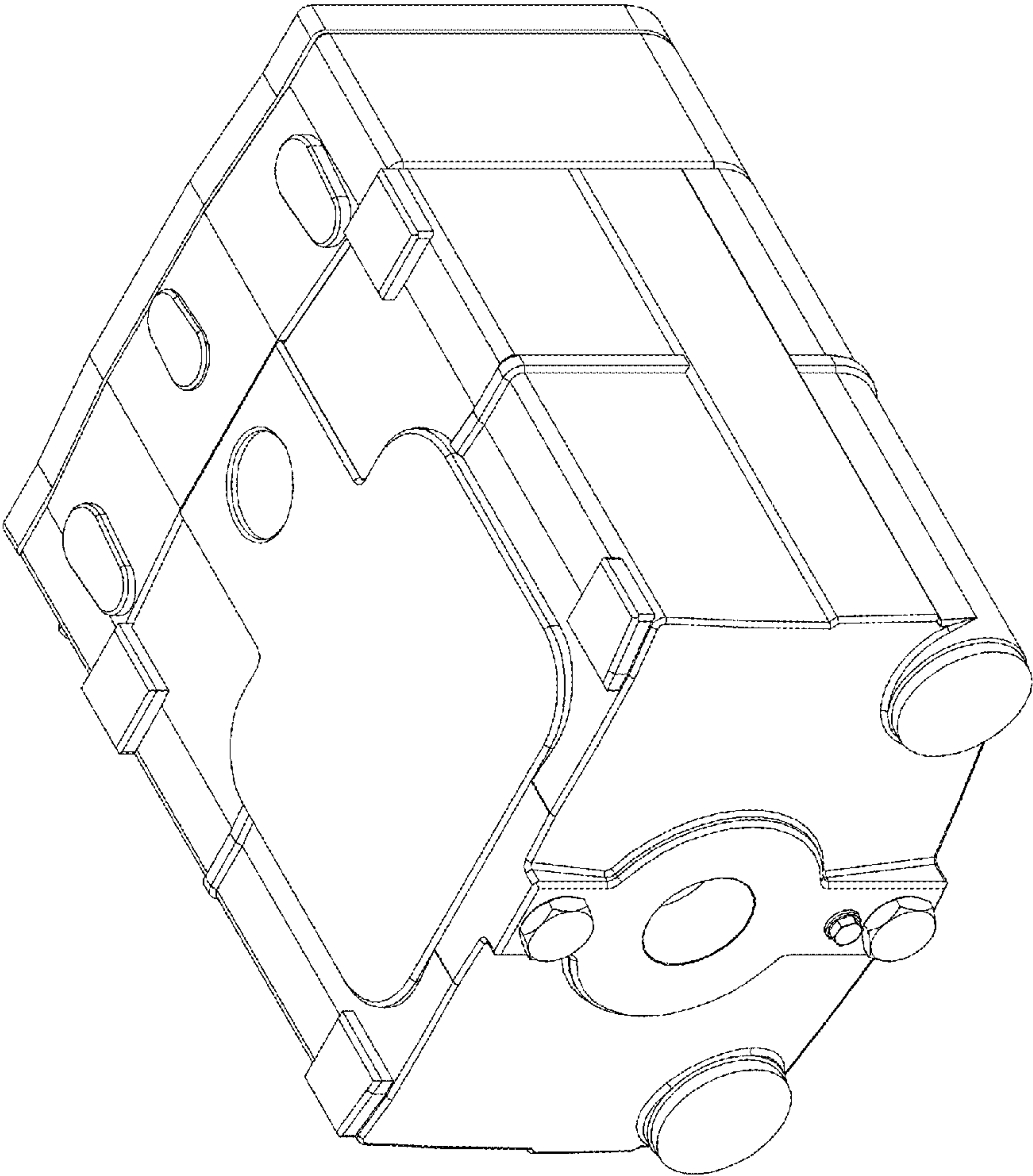


FIG. 10