



US00D971004S

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

(10) **Patent No.:** **US D971,004 S**

(45) **Date of Patent:** **** Nov. 29, 2022**

(54) **GATE HINGE**

(71) Applicant: **Richard Alarcon**, Lakewood, CA (US)

(72) Inventor: **Richard Alarcon**, Lakewood, CA (US)

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

(21) Appl. No.: **29/743,272**

(22) Filed: **Jul. 20, 2020**

(51) **LOC (13) Cl.** **08-06**

(52) **U.S. Cl.**
USPC **D8/323**

(58) **Field of Classification Search**
USPC D8/323; 292/264; 16/250, 251;
248/213
CPC .. E05D 1/00; E05D 11/06; E05D 5/11; E05D
3/02; E05D 1/02; E05D 11/082; E05D
5/12; A47K 13/12; B64G 1/222; E05C
3/22; E05C 1/085

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | | |
|----------------|---------|--------------|-------|----------------------|
| D140,298 S * | 2/1945 | Wilson | ..... | D8/323 |
| D222,234 S * | 10/1971 | Imber | ..... | D8/323 |
| 4,382,312 A * | 5/1983 | Liggett | ..... | E05D 3/06 16/288 |
| D335,622 S * | 5/1993 | Millsap | ..... | D8/323 |
| D396,626 S * | 8/1998 | Francom | ..... | D8/323 |
| 6,134,751 A * | 10/2000 | Carrier | ..... | E05D 15/44 16/235 |
| D443,196 S * | 6/2001 | Sosa | ..... | D8/323 |
| D458,626 S * | 6/2002 | Desbiez-Piat | ..... | D16/334 |
| D500,660 S * | 1/2005 | Larner | ..... | D8/323 |
| 7,100,245 B2 * | 9/2006 | Wohlfarth | ..... | E05D 3/10 16/367 |
| D624,388 S * | 9/2010 | Eland | ..... | D8/323 |
| 8,225,460 B2 * | 7/2012 | Hooton | ..... | E05D 3/10 16/309 |
| D683,609 S * | 6/2013 | Frank | ..... | D8/323 |

| | | | | |
|--------------|---------|----------|-------|--------|
| D715,620 S * | 10/2014 | Tung | ..... | D8/323 |
| D717,633 S * | 11/2014 | Lu | ..... | D8/323 |
| D717,634 S * | 11/2014 | Lu | ..... | D8/323 |
| D719,434 S * | 12/2014 | Lu | ..... | D8/323 |
| D719,810 S * | 12/2014 | Lu | ..... | D8/323 |
| D744,313 S * | 12/2015 | Lu | ..... | D8/323 |
| D744,808 S * | 12/2015 | Lu | ..... | D8/323 |
| D744,809 S * | 12/2015 | Lu | ..... | D8/323 |
| D758,164 S * | 6/2016 | Lu | ..... | D8/323 |
| D784,795 S * | 4/2017 | Ravaioli | ..... | D8/355 |
| D804,276 S * | 12/2017 | Lu | ..... | D8/323 |
| D804,277 S * | 12/2017 | Lu | ..... | D8/323 |

(Continued)

Primary Examiner — Cynthia R Underwood

(74) *Attorney, Agent, or Firm* — Allan Grant; Grants Law Firm

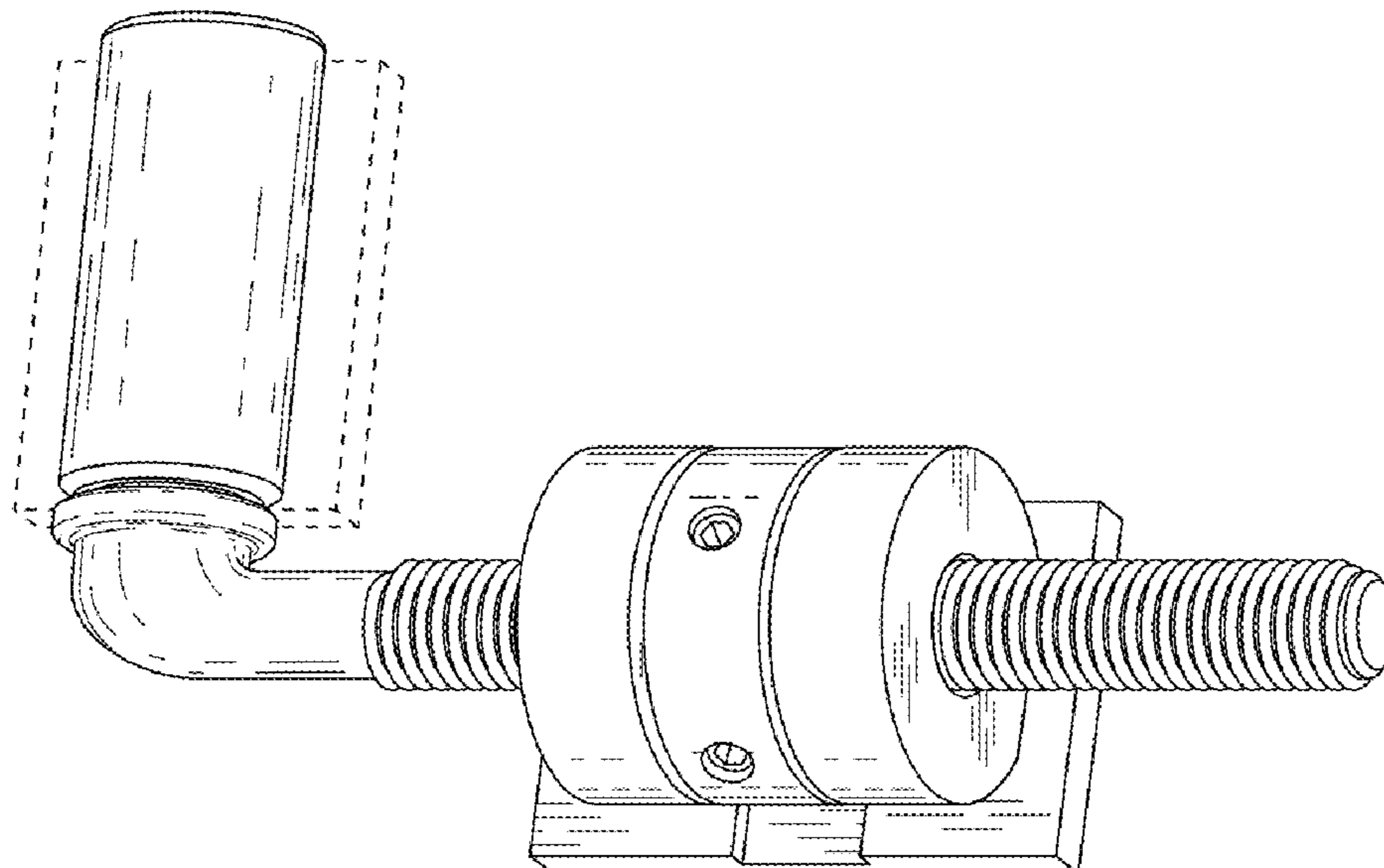
(57) **CLAIM**

I claim the ornamental design for a gate hinge, as shown and as described.

DESCRIPTION

FIG. 1 is a front perspective view of the gate hinge.
 FIG. 2 is a back perspective view of the gate hinge.
 FIG. 3 is the front view of the gate hinge.
 FIG. 4 is a back view of the gate hinge.
 FIG. 5 is a side view of the gate hinge.
 FIG. 6 is the other side view of the gate hinge.
 FIG. 7 is a top view of the gate hinge.
 FIG. 8 is bottom view of the gate hinge.
 FIG. 9 is a perspective view reduced in scale of the gate hinge attached to a gate represent the environment of use.
 FIG. 10 is a perspective view reduced in scale of an alternative configuration of use of the gate hinge attached to said gate, wherein the gate hinge has been adjusted to adjust the gate; and,
 FIG. 11 is an enlarge close up view of the gate hinge.
 The broken lines represent an environment of use for the gate hinge and form no part of the claim.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D890,595 S * 7/2020 Alarcon D8/323
D891,222 S * 7/2020 Alarcon D8/323
D919,405 S * 5/2021 Lu D8/323
D926,554 S * 8/2021 Melic D8/323
2016/0040463 A1* 2/2016 Gramstad E05D 5/128
16/382
2016/0040464 A1* 2/2016 Lu A47C 7/38
16/250
2019/0000285 A1* 1/2019 Xu A47K 13/12
2022/0145663 A1* 5/2022 Talpe E05C 1/085
2022/0145678 A1* 5/2022 Talpe E05C 3/22

* cited by examiner

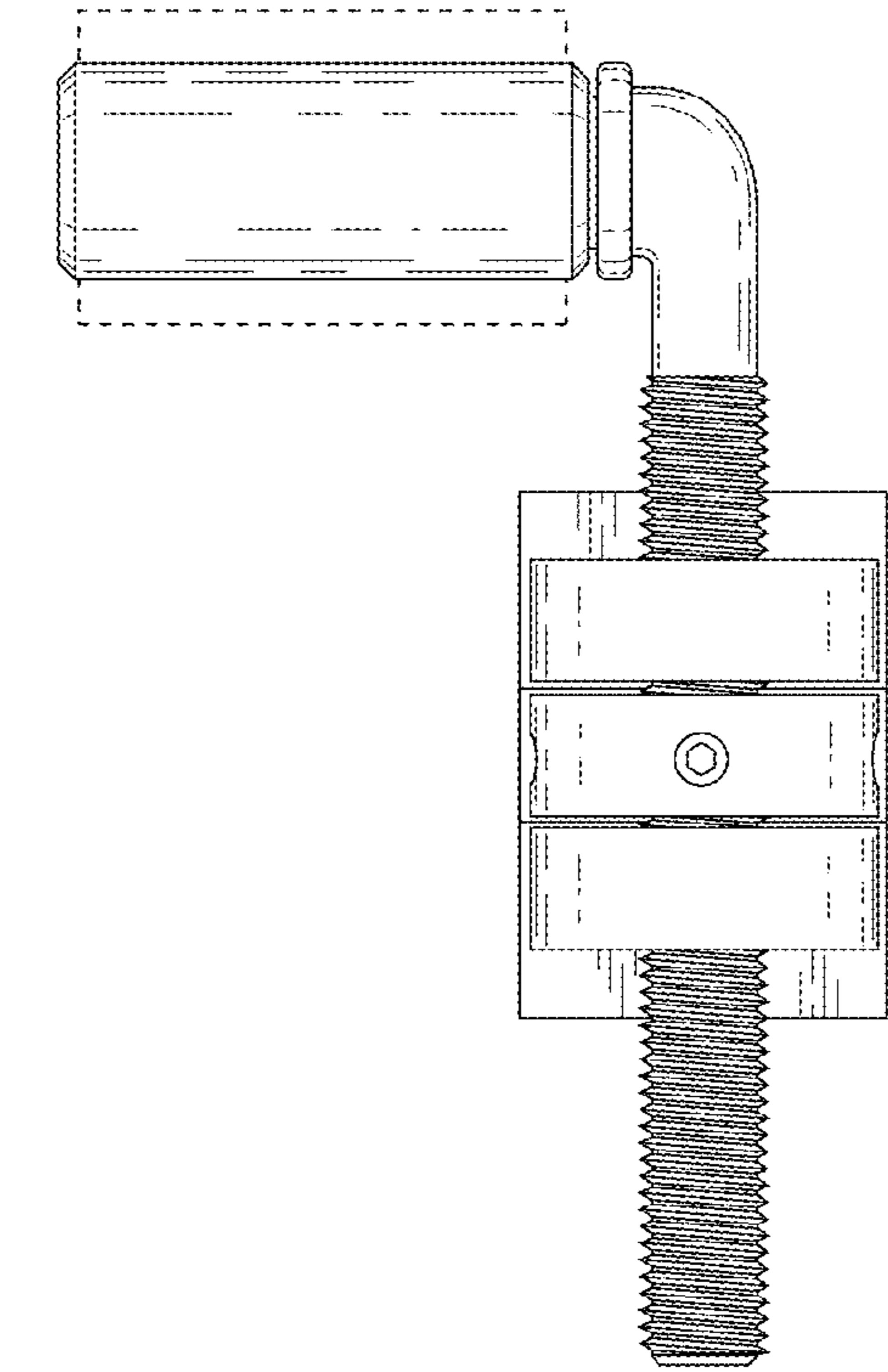


Fig. 1

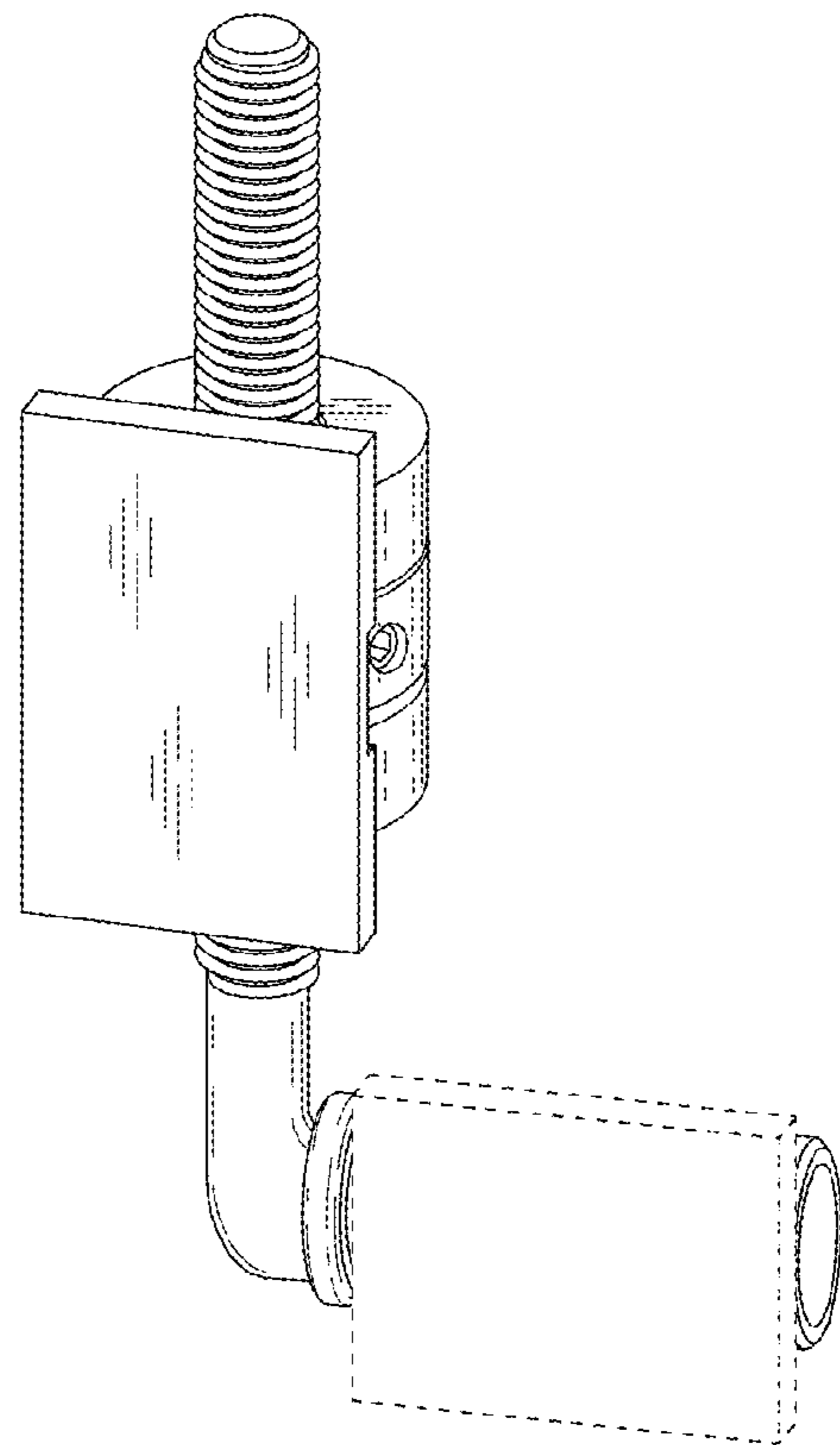


Fig. 2

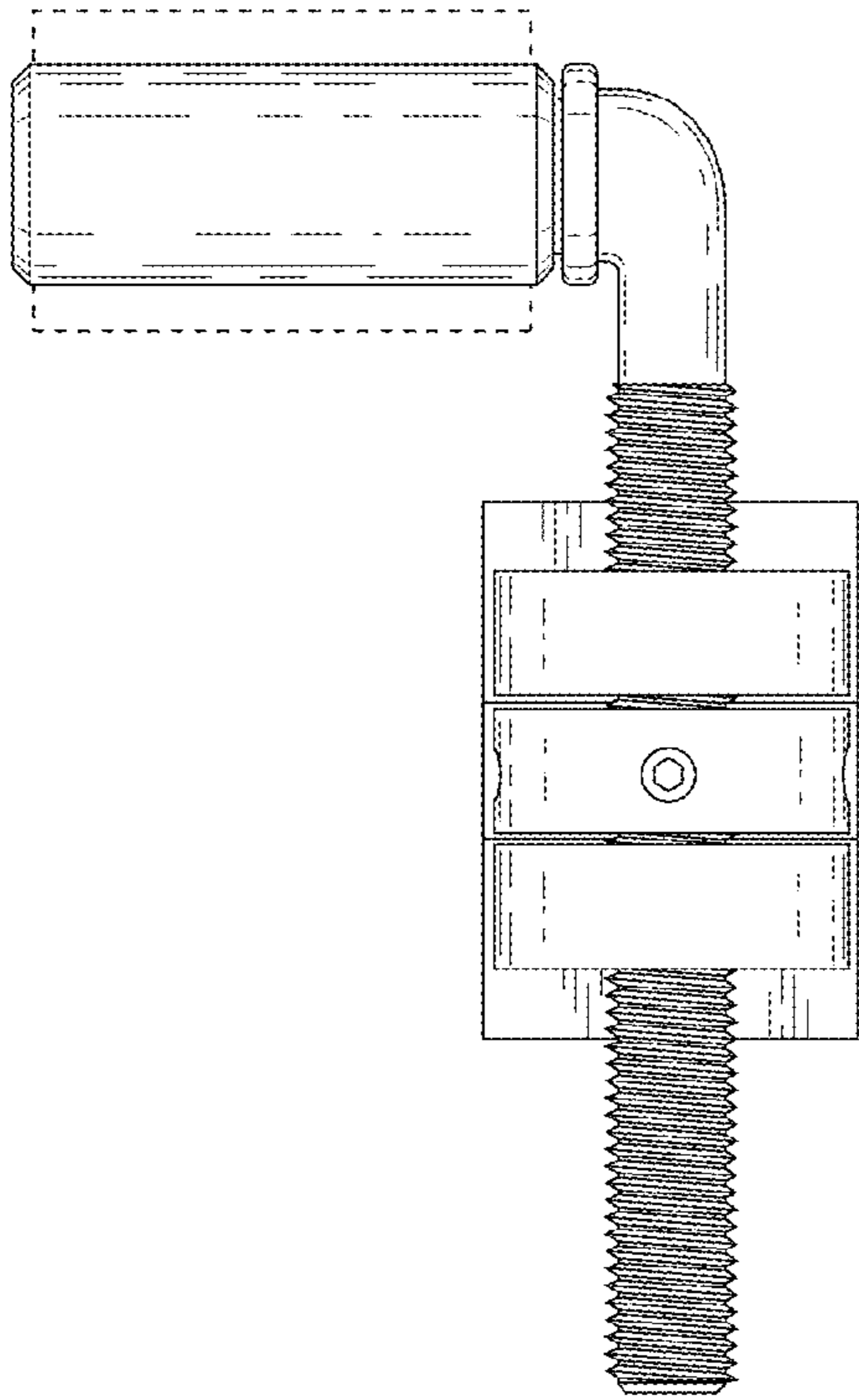


Fig. 3

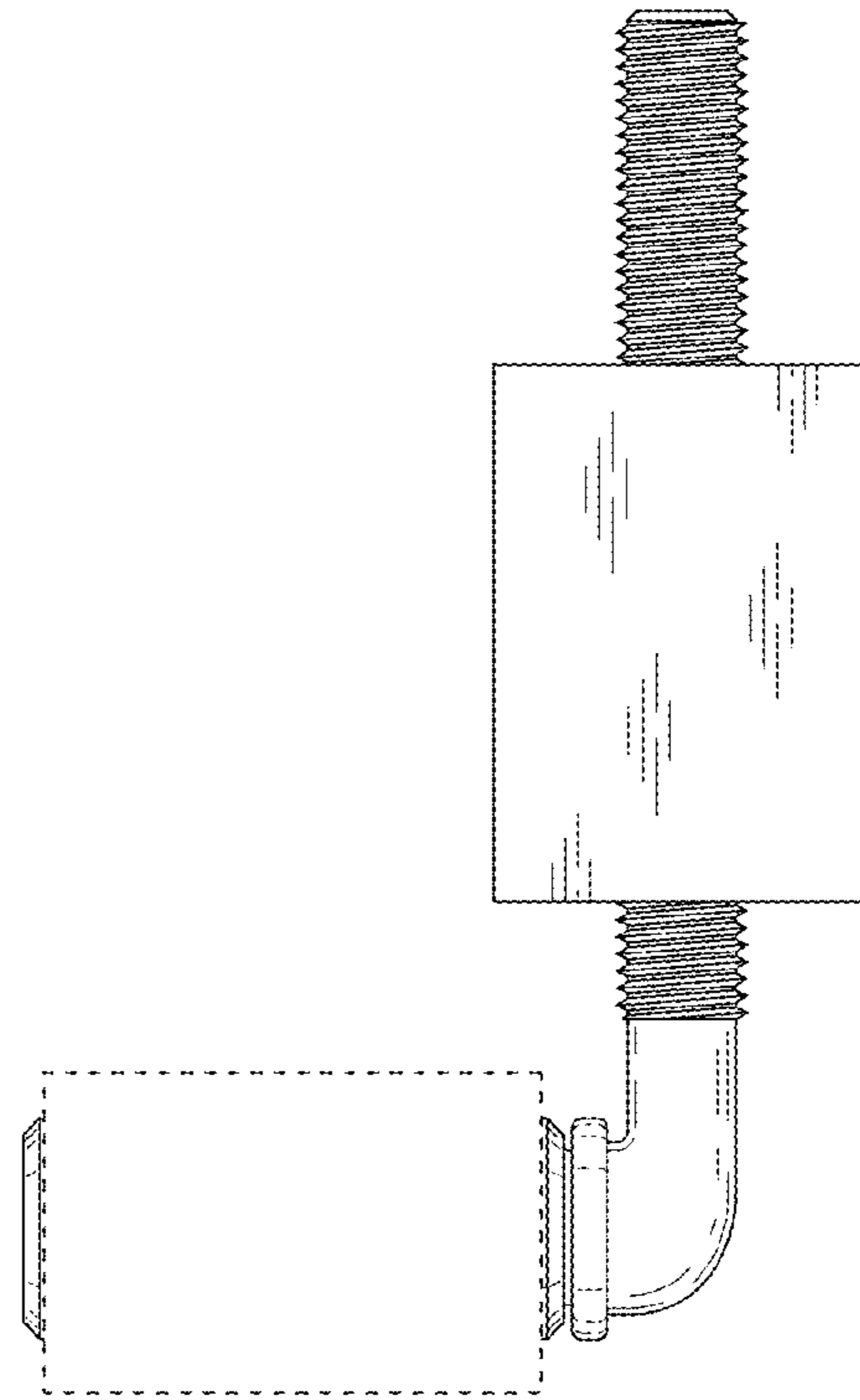


Fig. 4

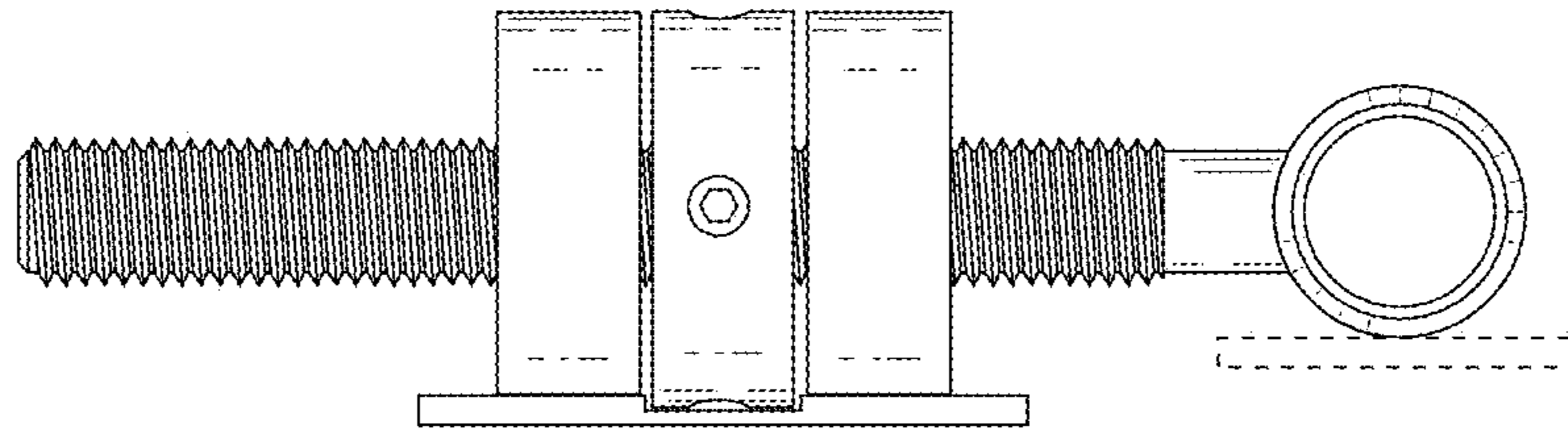


Fig. 5

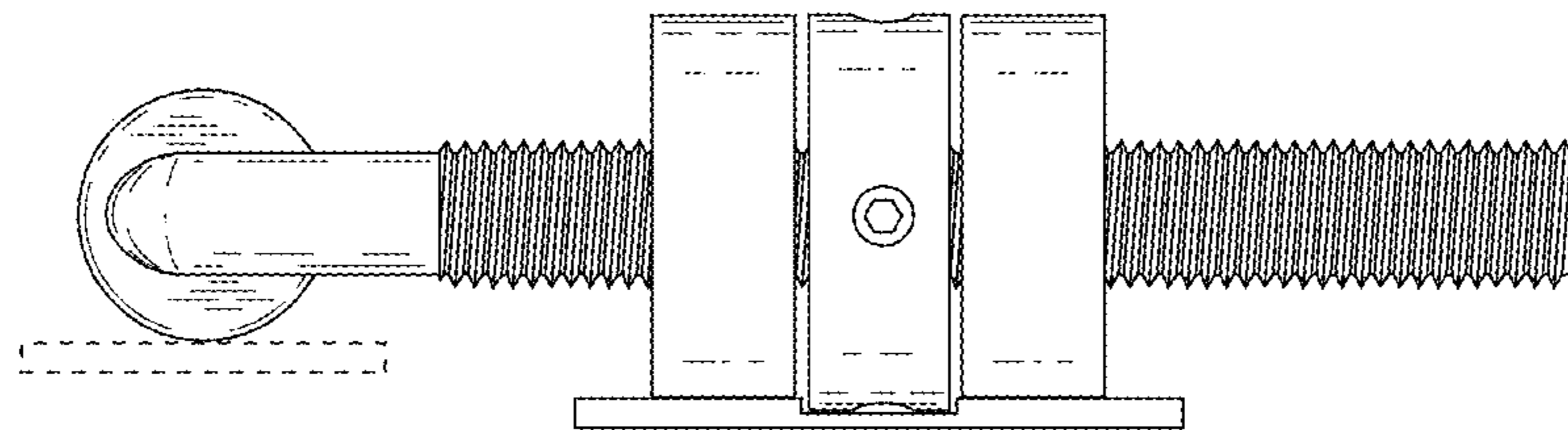


Fig. 6

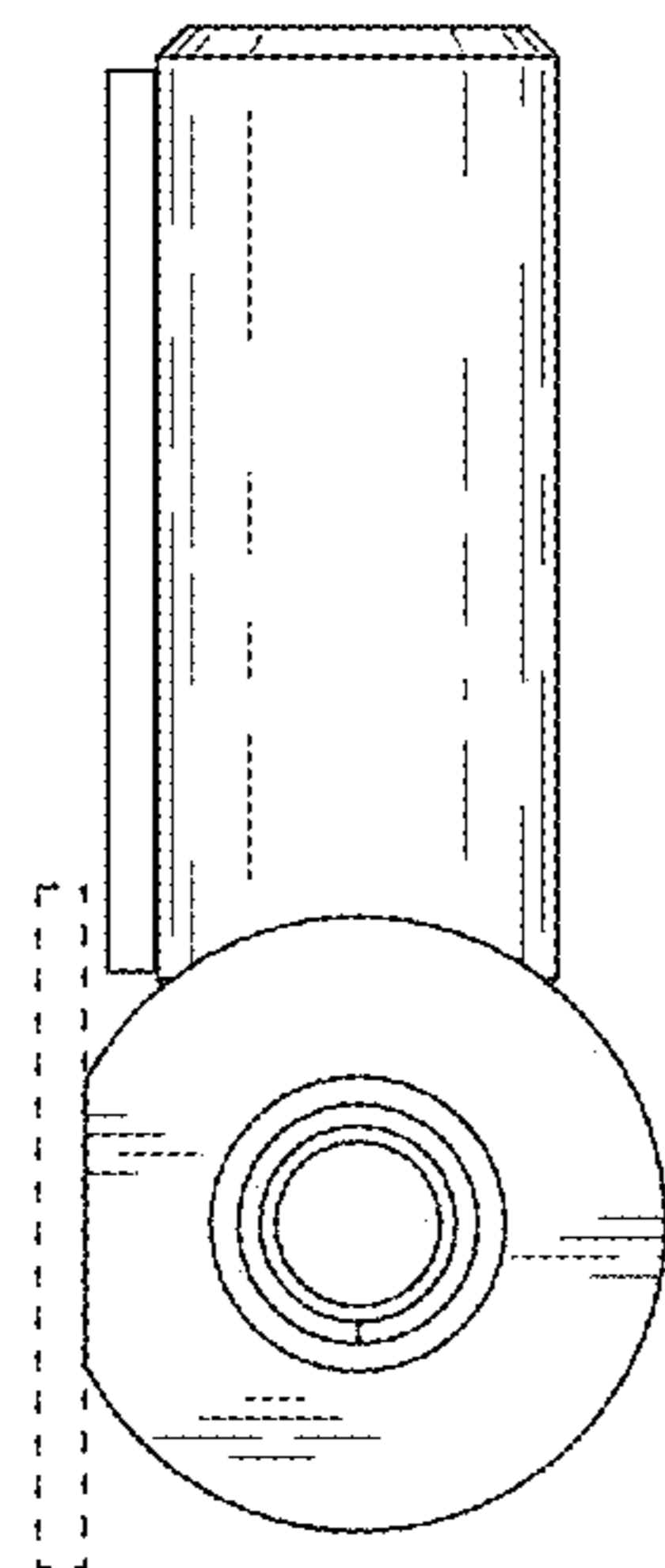


Fig. 7

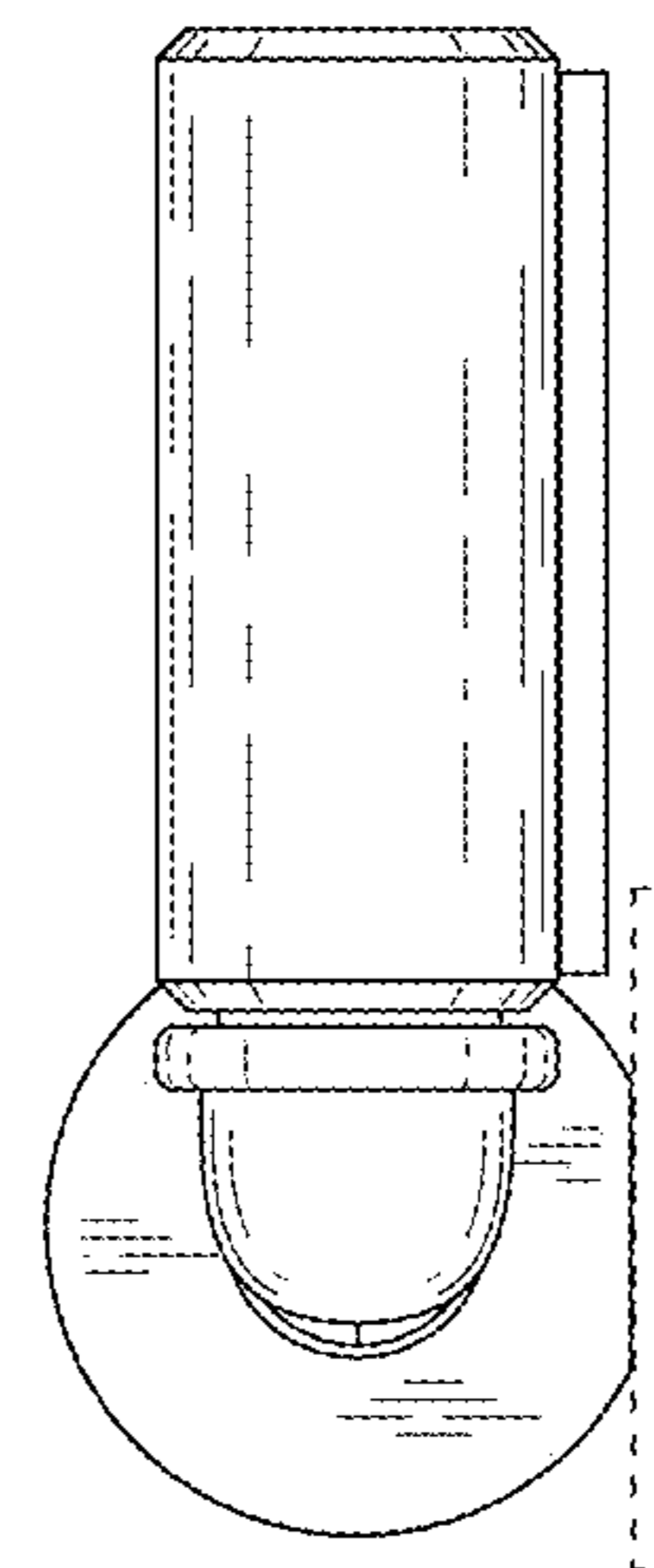


Fig. 8

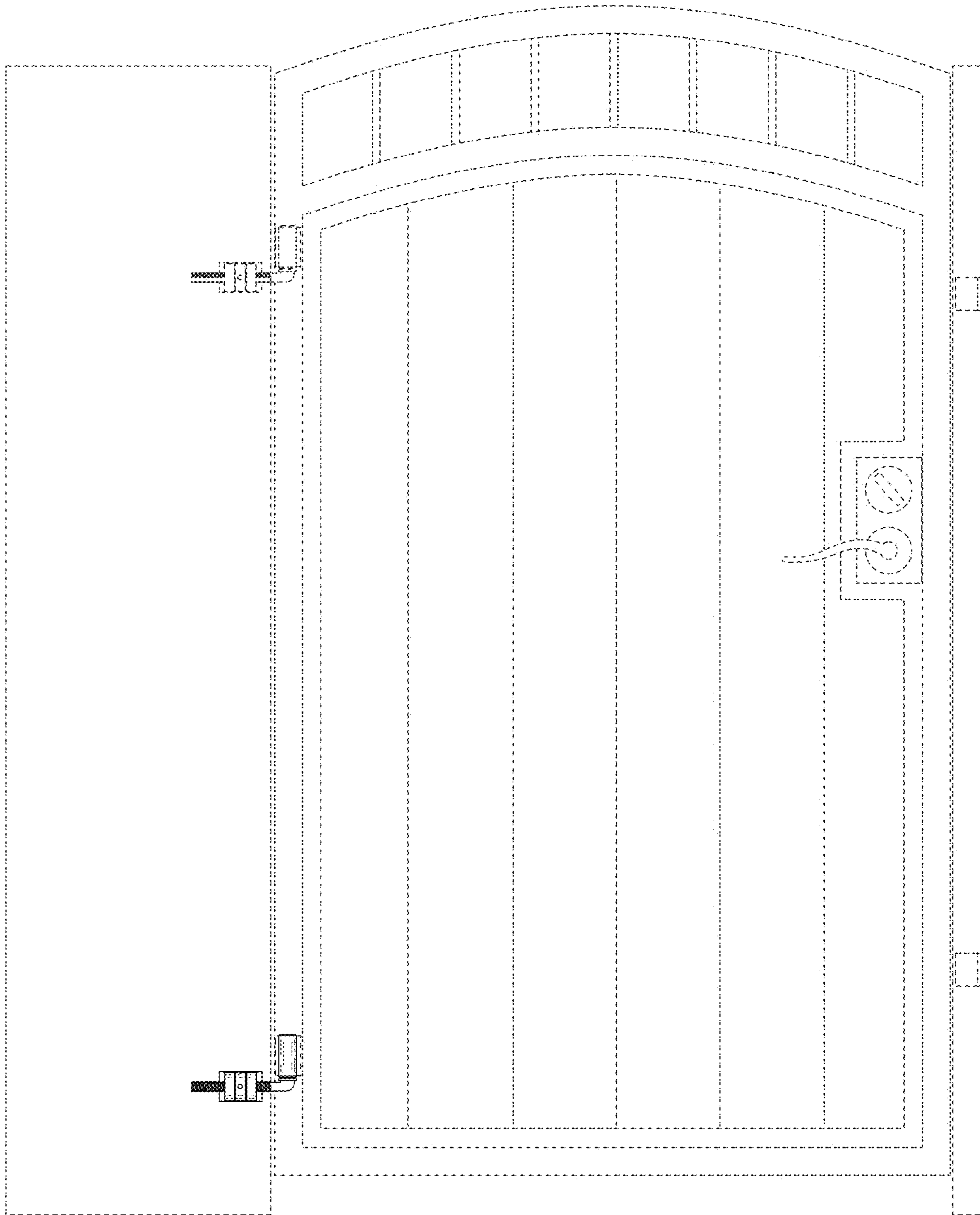


Fig. 9

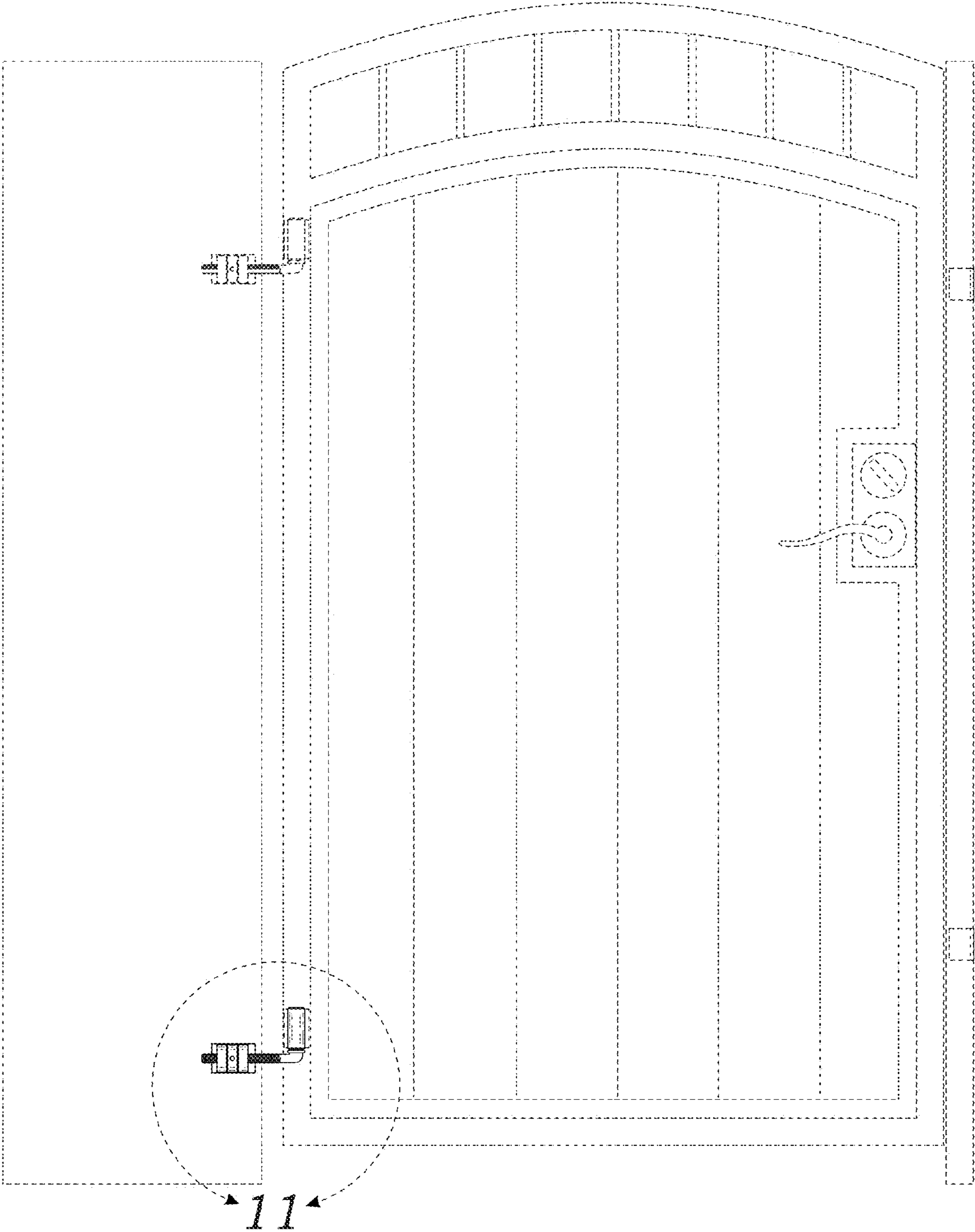


Fig. 10

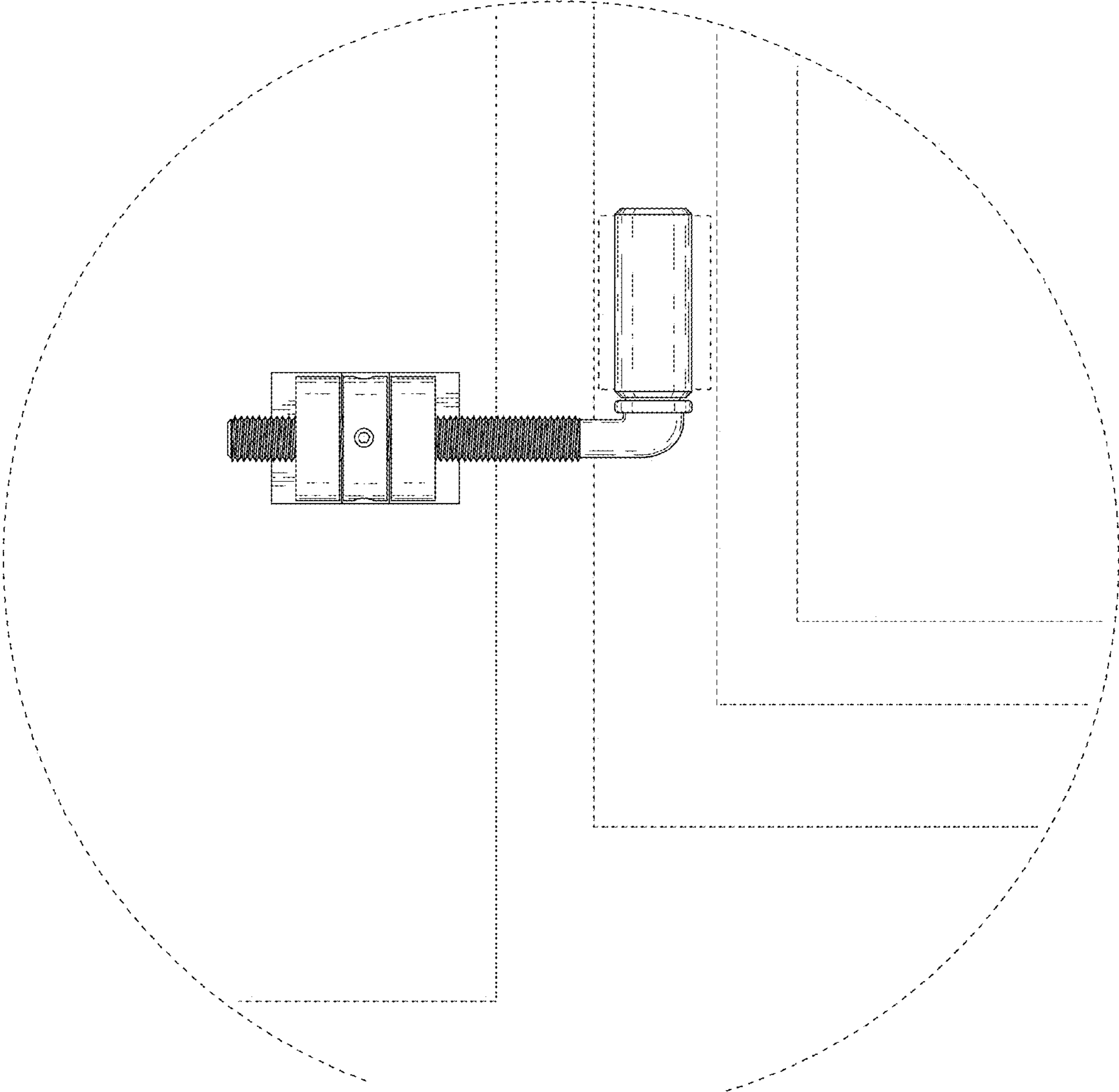


Fig. 11