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United States Design Patent

Witherbee et al.

(10)

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(45)

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(54) ADJUSTABLE MUDRING

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USPC D13/152

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D8/385
CPC .. H02G 3/12; H02G 3/08; H02G 3/10; H05K
5/0052; H05K 5/0247; H05K 7/1405;
H01R 13/73; H01R 13/74
See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS			
1,197,644	A *	9/1916 Lutz	H02G 3/185 220/3.7
2,378,861	A *	6/1945 Peevey	H02G 3/121 220/8
3,993,212	A *	11/1976 Ryan	H02G 3/126 220/3.6
4,023,697	A *	5/1977 Marrero	H02G 3/125 220/3.7

(Continued)

OTHER PUBLICATIONS

Orbit’s Patented Adjustable Rings, Date Sep. 9, 2015 [online],
[retrieved Aug. 30, 2024], Retrieved from internet, https://www.youtube.com/watch?v=B6jSMLbQ_i4 (Year: 2015).*

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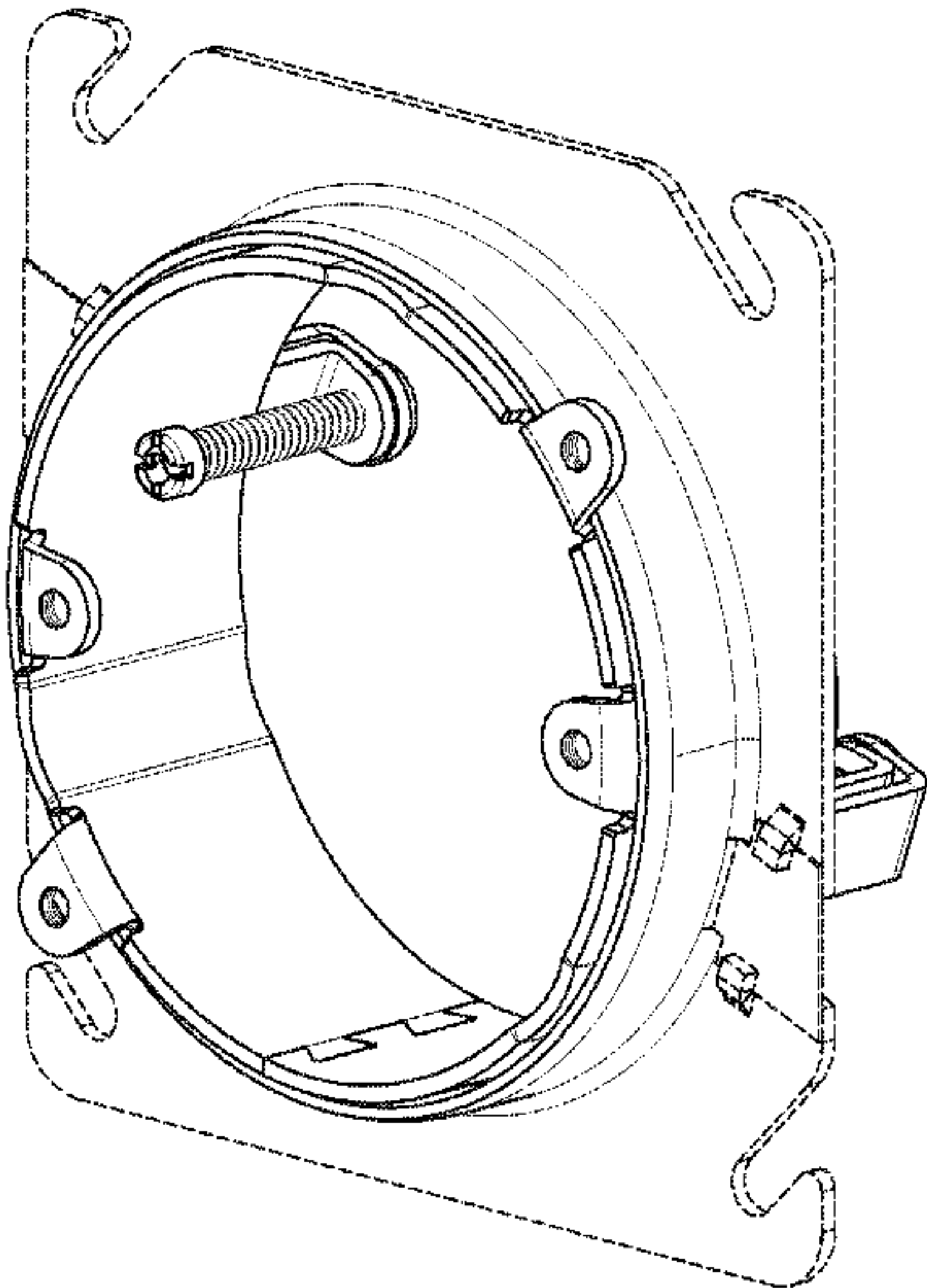
(57) CLAIM

The ornamental design for an adjustable mudring as shown
and described.

DESCRIPTION

FIG. 1 is a perspective view of an adjustable mudring
showing the mudring in a retracted configuration;
FIG. 2 is a front view of the adjustable mudring in FIG. 1;
FIG. 3 is a right side view of the adjustable mudring in FIG.
1;
FIG. 4 is a top plan view of the adjustable mudring in FIG.
1;
FIG. 5 is a rear view of the adjustable mudring in FIG. 1;
FIG. 6 is a left side view of the adjustable mudring in FIG.
1;
FIG. 7 is a bottom plan view of the adjustable mudring in
FIG. 1;
FIG. 8 is a right front perspective view of the adjustable
mudring in FIG. 1 showing the mudring in an extended
configuration;
FIG. 9 is a left front perspective view of the adjustable
mudring in FIG. 8;
FIG. 10 is a right rear perspective view of the adjustable
mudring in FIG. 8; and,
FIG. 11 is a left rear perspective view of the adjustable
mudring in FIG. 8.
The elements shown in broken line form no part of the
claimed design.

1 Claim, 11 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

4,634,015 A * 1/1987 Taylor H02G 3/121
220/3.7
4,927,039 A * 5/1990 McNab H02G 3/125
220/3.7
5,402,902 A * 4/1995 Bouley H02G 3/121
220/3.7
5,931,325 A * 8/1999 Filipov H02G 3/081
220/3.7
5,975,323 A * 11/1999 Turan H02G 3/086
220/919
D462,328 S * 9/2002 Hughes D13/152
D471,159 S * 3/2003 Albicker D13/152
6,596,938 B2 * 7/2003 Gilleran H02G 3/123
174/53
D478,872 S * 8/2003 Heggem D13/152
6,820,760 B2 * 11/2004 Wegner H02G 3/12
220/4.03
D538,751 S * 3/2007 Kiely D13/152
7,189,928 B2 3/2007 Denier
7,276,661 B2 10/2007 Wegner et al.
D567,769 S * 4/2008 Sinai D13/152
7,410,072 B2 8/2008 Wegner et al.
7,468,486 B2 12/2008 Yan
7,531,583 B2 5/2009 Desai
7,531,743 B2 * 5/2009 Johnson H02G 3/081
174/53
7,572,977 B2 8/2009 Gorman
D601,096 S * 9/2009 Vigorito D13/152
7,637,385 B2 12/2009 Wegner et al.
D619,097 S * 7/2010 McCarthy D13/152
8,076,577 B2 * 12/2011 Mango, Jr. H02G 3/086
220/241
8,371,465 B2 * 2/2013 Denier H02G 3/123
220/3.9
8,575,484 B1 * 11/2013 Witherbee H02G 3/126
174/58

D722,296 S * 2/2015 Taylor D13/152
D766,186 S * 9/2016 Hagarty D13/152
D774,467 S * 12/2016 Maccarone D13/152
9,847,631 B2 * 12/2017 Shotey H02G 3/081
D809,465 S * 2/2018 Keirstead D13/152
D917,401 S * 4/2021 Mohamed D13/152
11,456,582 B1 * 9/2022 Baldwin F16L 3/1091
11,746,997 B2 * 9/2023 Wedekind F21V 23/007
362/404
12,074,418 B2 * 8/2024 Beristany F16M 13/027
2005/0051546 A1 * 3/2005 Dinh H02G 3/126
220/3.7
2005/0224249 A2 * 10/2005 Wegner H02G 3/086
174/58
2006/0048964 A1 * 3/2006 Rick H02G 3/126
174/66
2009/0166053 A1 * 7/2009 Magno, Jr. H02G 3/086
174/61
2010/0025066 A1 * 2/2010 de la Borbolla H02G 3/18
174/57
2014/0202758 A1 * 7/2014 Lolachi H02B 1/40
403/376
2014/0305671 A1 * 10/2014 Cwieka H02G 3/18
29/428
2016/0365711 A1 * 12/2016 Lalancette H02G 3/088
2022/0006274 A1 * 1/2022 Beristany H02G 3/081
2022/0158431 A1 * 5/2022 Johnson H02G 3/14
2022/0278514 A1 * 9/2022 Korcz H02G 3/081
2023/0261454 A1 * 8/2023 Beristany H02G 3/125
174/66
2024/0186778 A1 * 6/2024 Witherbee H02G 3/081
2024/0200759 A1 * 6/2024 Oh F21V 21/22

OTHER PUBLICATIONS

4 Square to Octagon Device Ring, 5/8 in. Raised, Date Jul. 20, 2017 [online], [retrieved Aug. 30, 2024], Retrieved from internet, <https://www.youtube.com/watch?v=Z8p99p5b5z4> (Year: 2017).*

* cited by examiner

FIG. 1

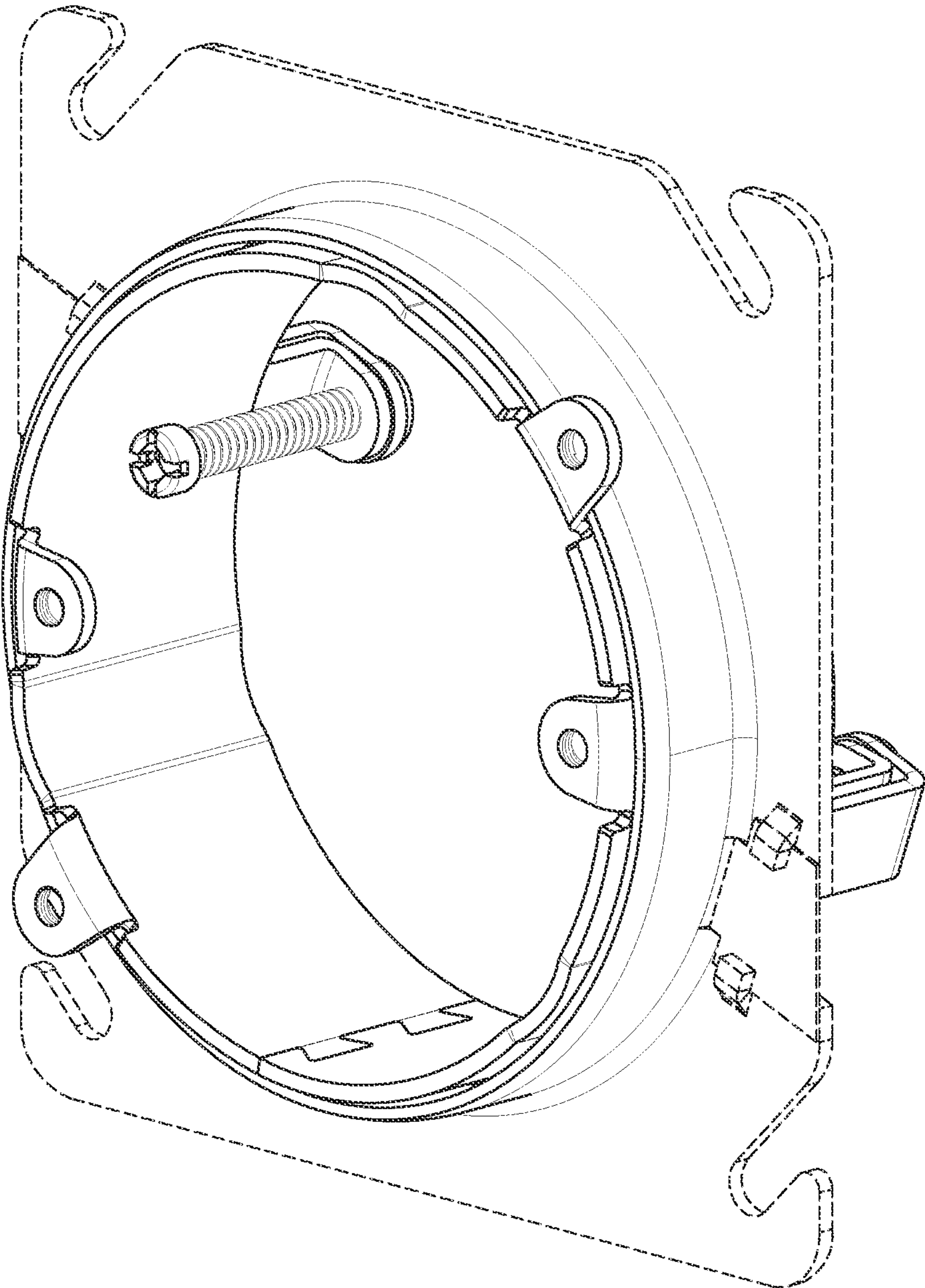


FIG. 2

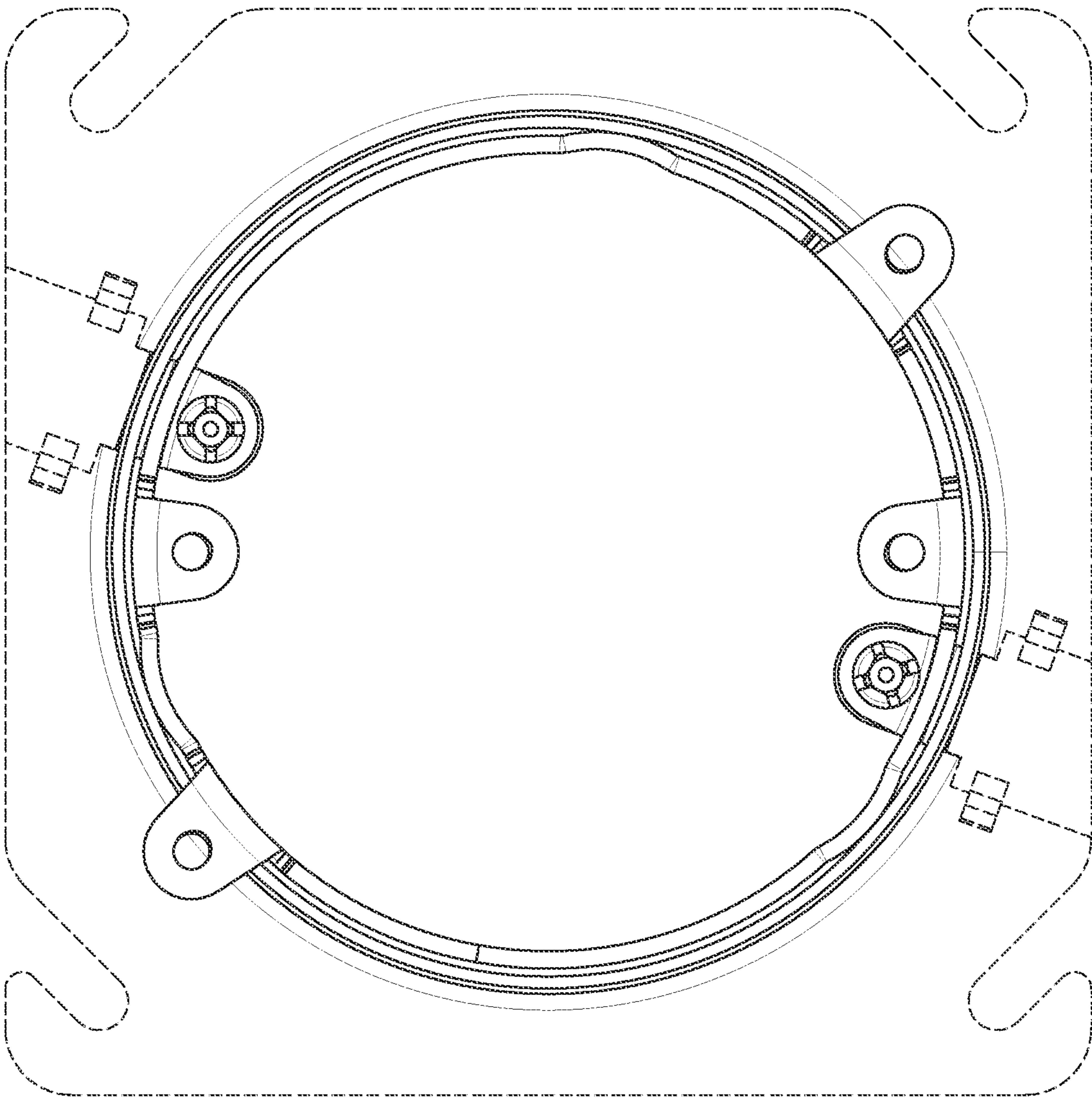


FIG. 3

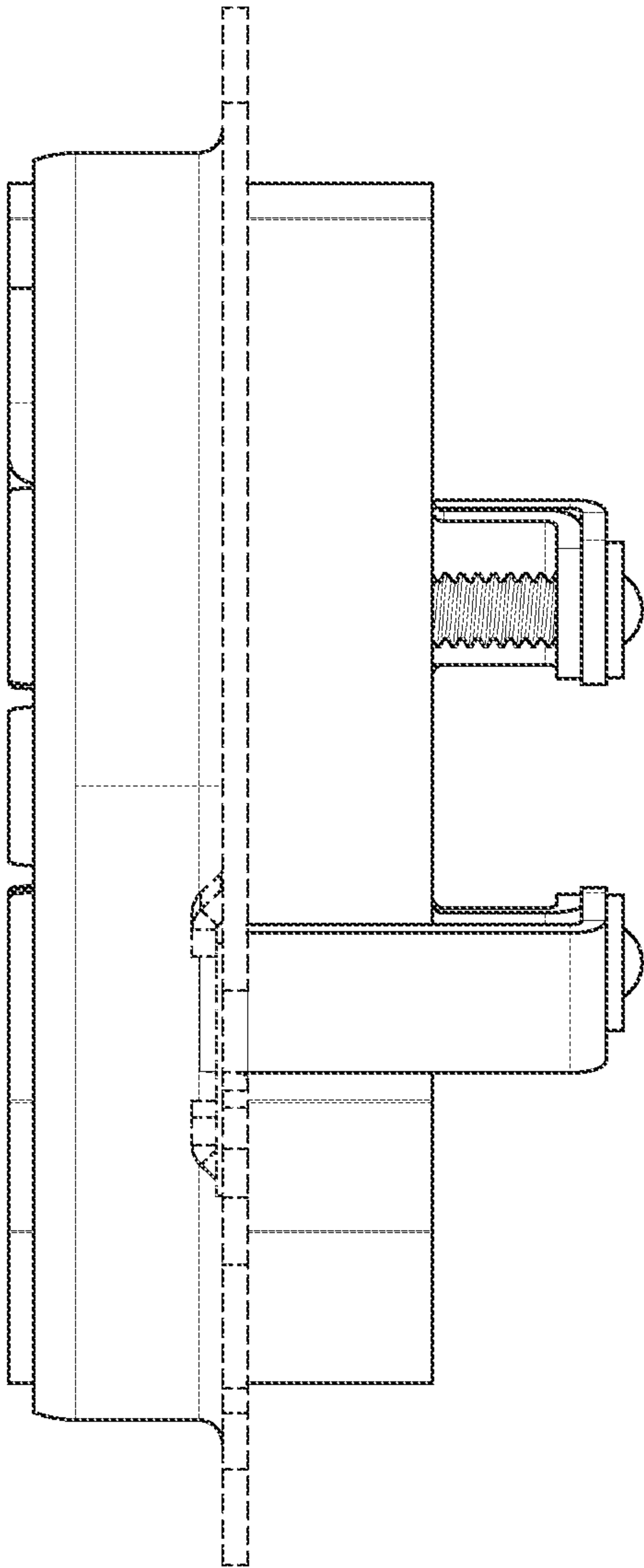


FIG. 4

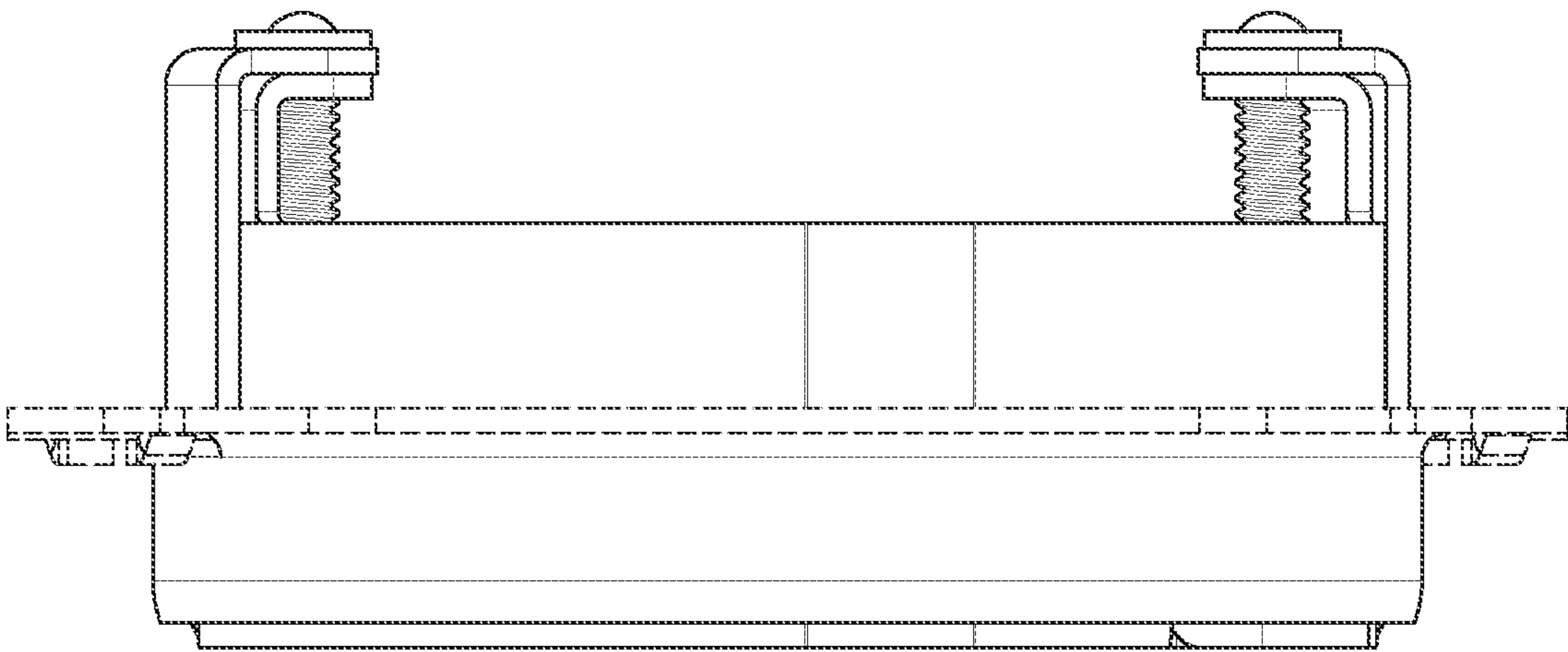


FIG. 5

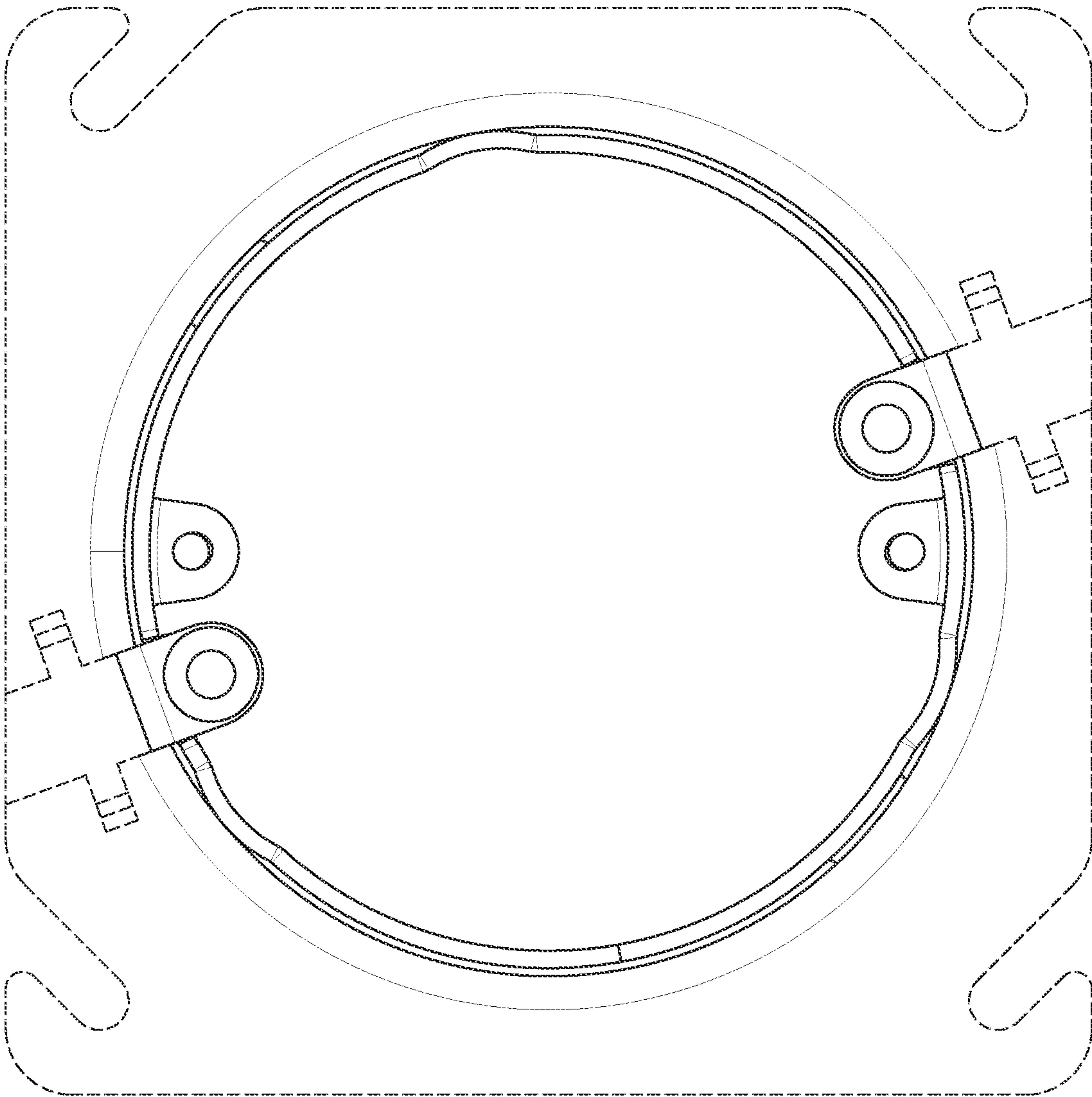


FIG. 6

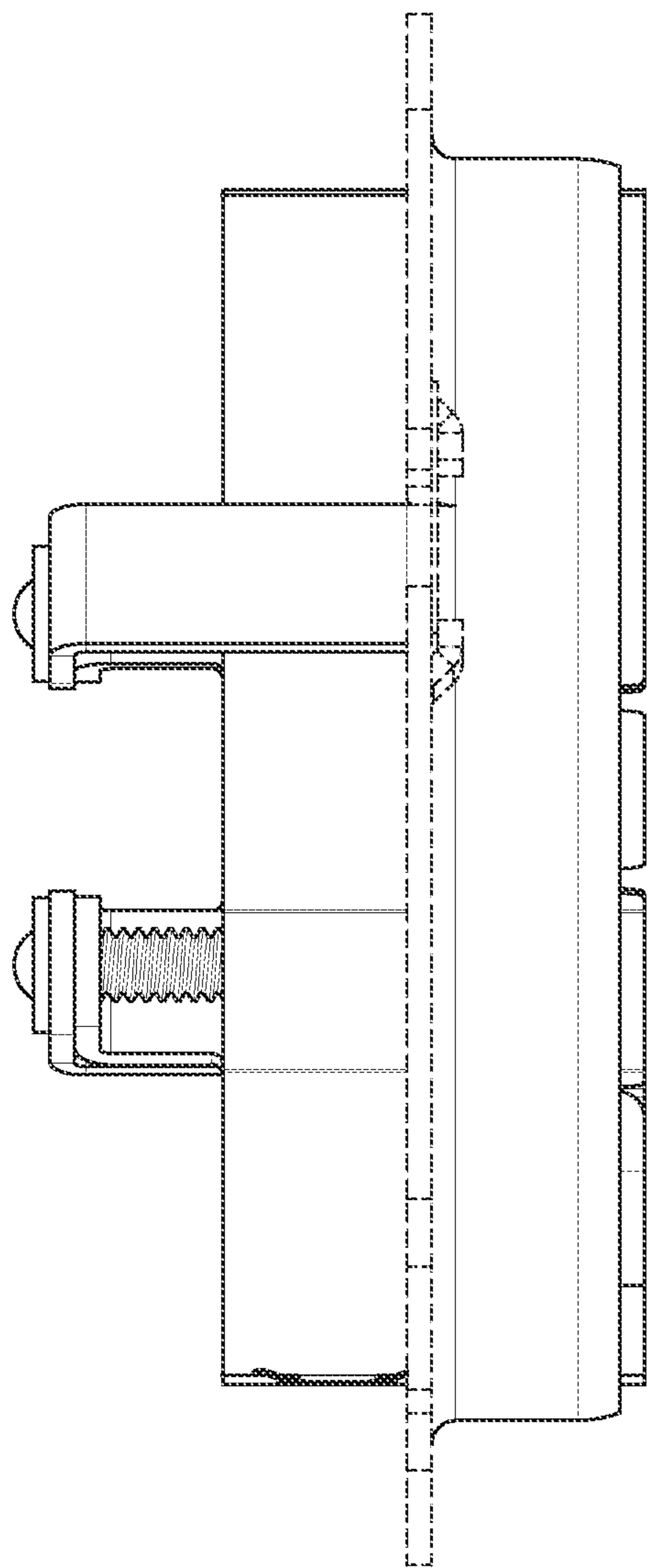


FIG. 7

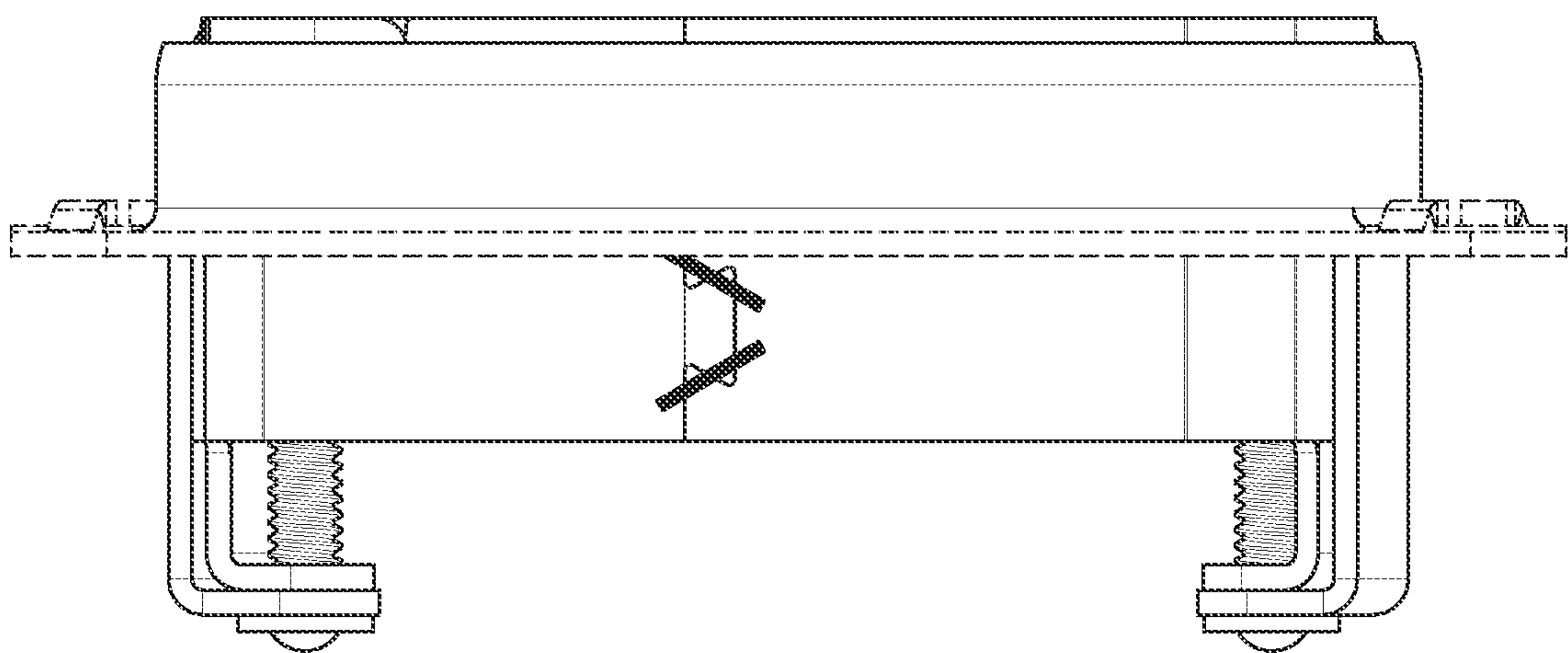


FIG. 8

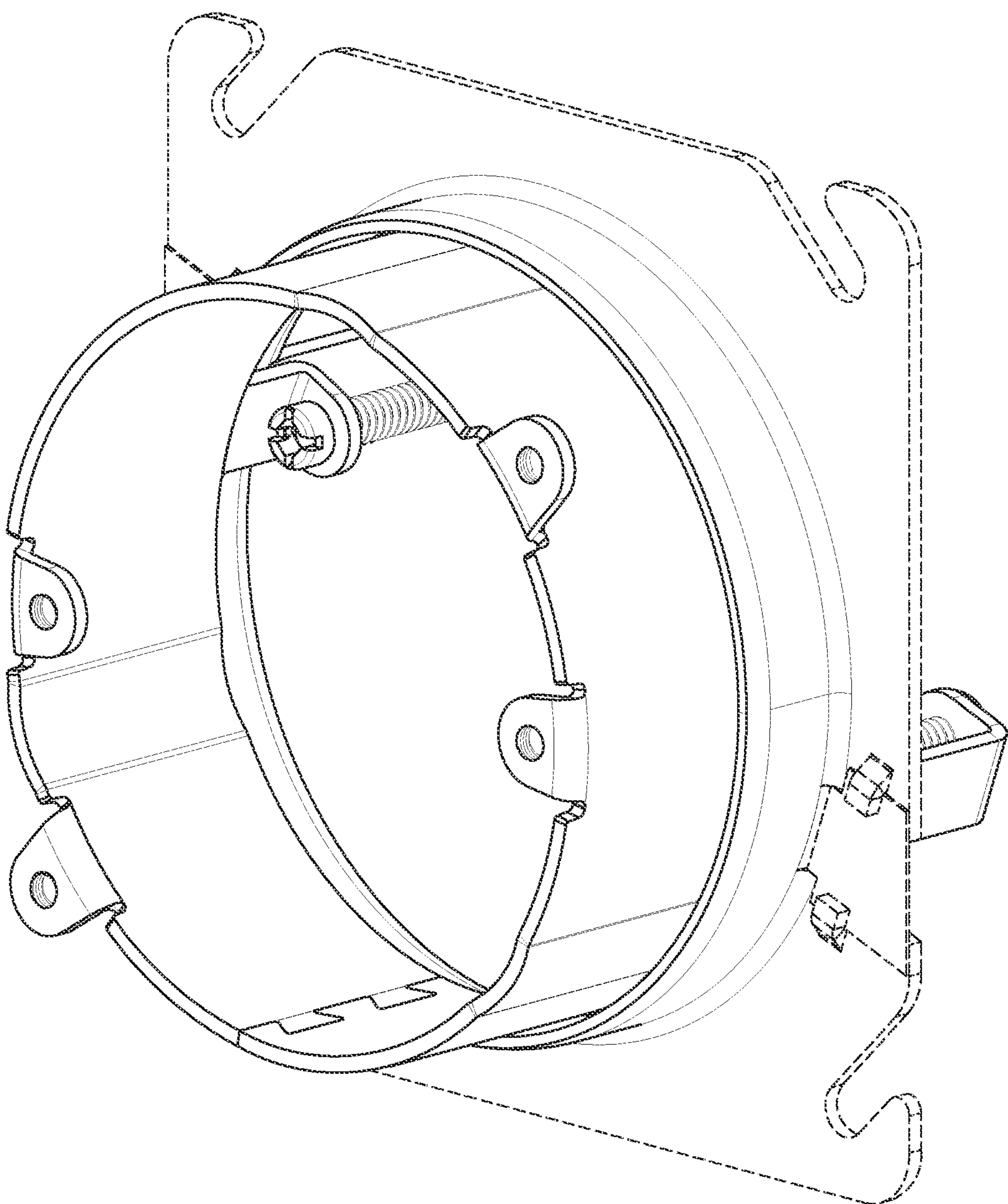


FIG. 9

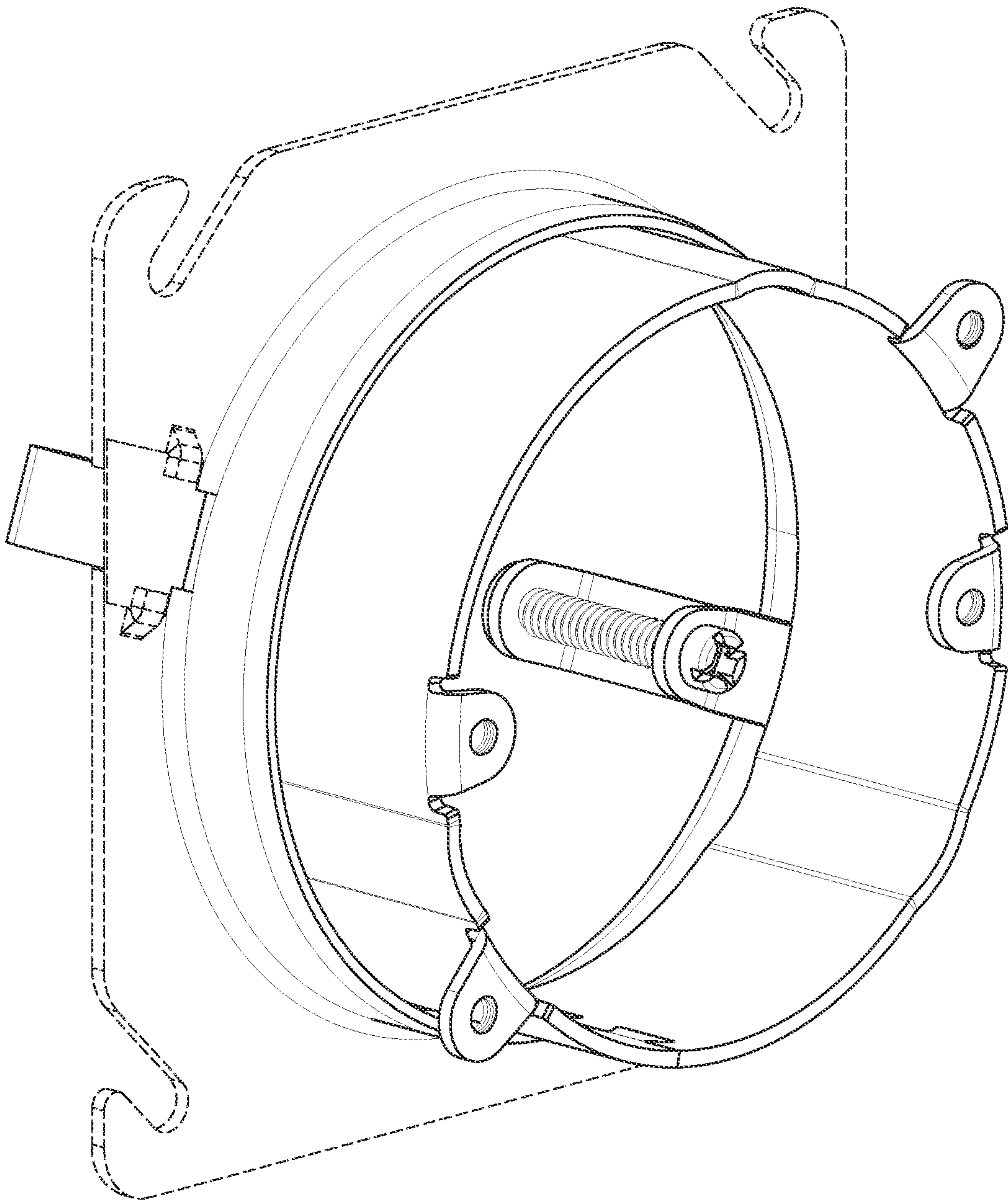


FIG. 10

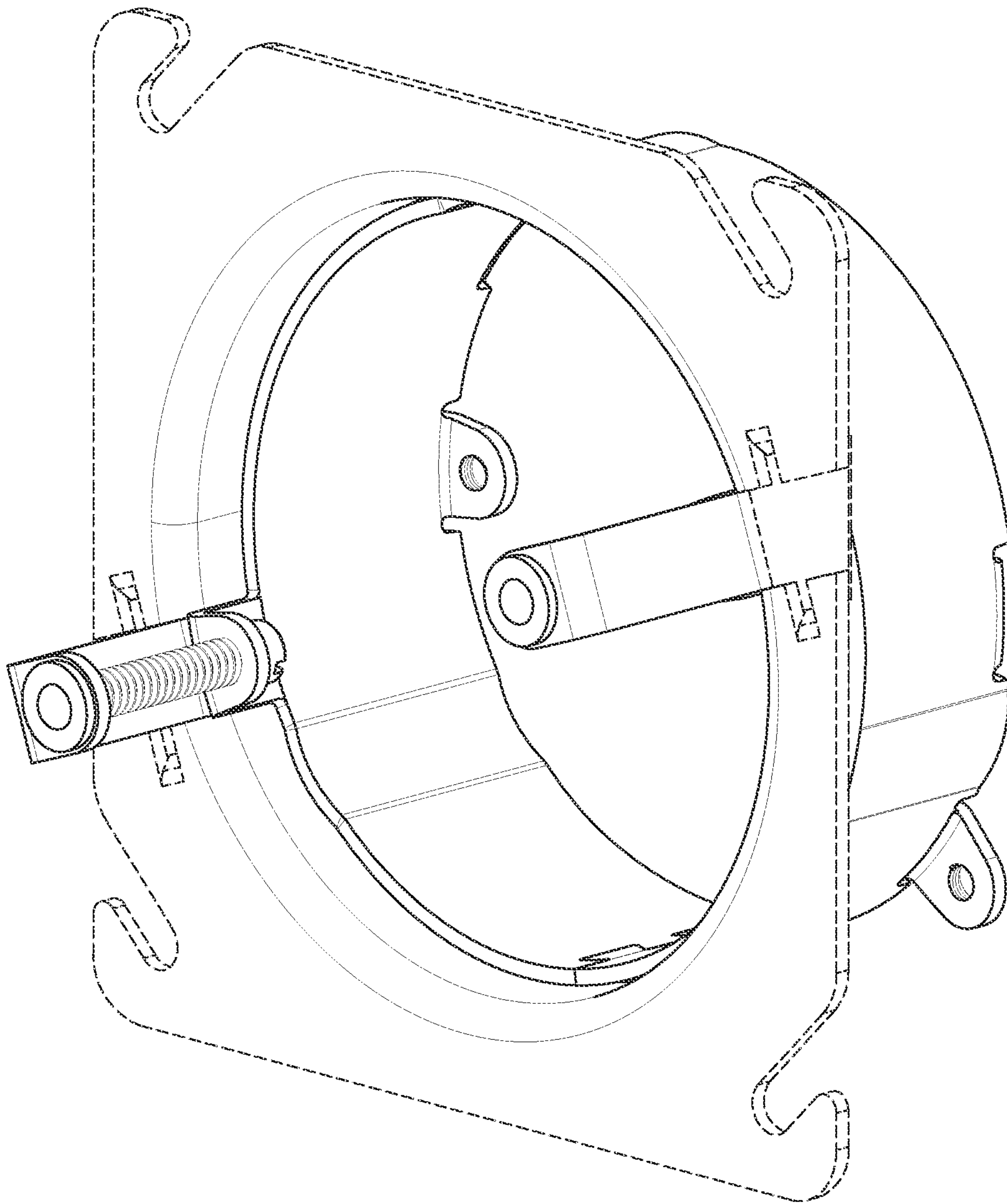


FIG. 11

