



US00D839451S

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

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- (54) **MANHOLE STEP**
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- (**) Term: **15 Years**
- (21) Appl. No.: **29/622,421**
- (22) Filed: **Oct. 17, 2017**
- (51) **LOC (11) Cl.** **25-04**
- (52) **U.S. Cl.**
USPC **D25/69**
- (58) **Field of Classification Search**
USPC D25/62-69; 182/90, 92
CPC . E06C 9/04; E06C 7/081; B28B 21/56; B28B 21/566; E04G 21/185
See application file for complete search history.

- 5,967,256 A * 10/1999 Takahashi E06C 9/04 182/90
- 6,068,083 A * 5/2000 Takahashi E06C 7/08 182/90
- D429,002 S * 8/2000 Takahashi D25/69
- D429,003 S * 8/2000 Takahashi D25/69
- 6,125,967 A * 10/2000 Takahashi E06C 7/081 182/129
- D435,118 S * 12/2000 Takahashi D25/69
- D452,742 S * 1/2002 Takahashi D25/69
- D490,907 S 6/2004 Peacock et al.
- D556,917 S * 12/2007 Peacock D25/69

* cited by examiner

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(57) **CLAIM**

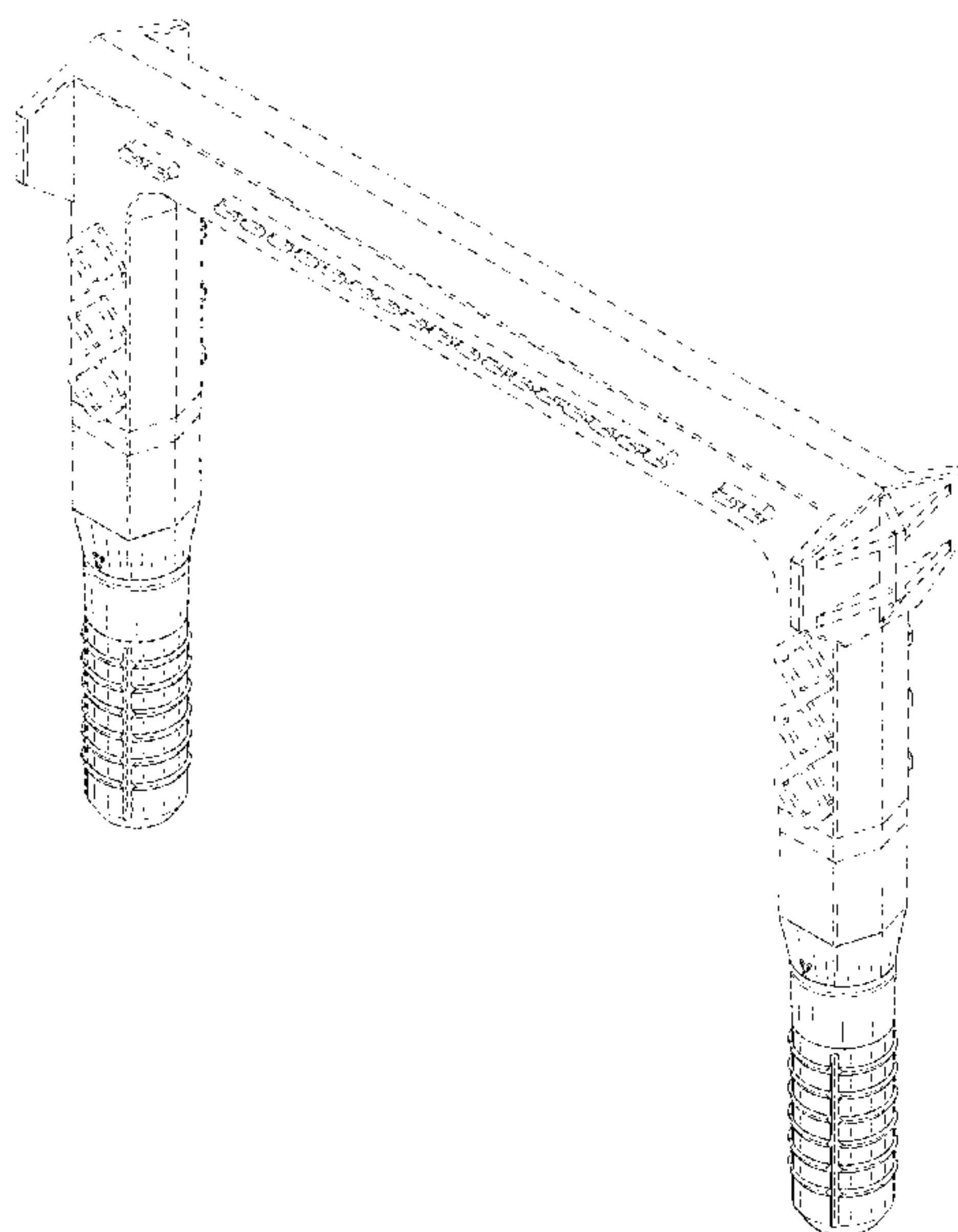
The ornamental design for a manhole step, as shown and described.

DESCRIPTION

FIG. 1 is an isometric view of the manhole step.
 FIG. 2 is another isometric view of the manhole step of FIG. 1.
 FIG. 3 is a top view of the manhole step of FIG. 1.
 FIG. 4 is a right side view of the manhole step of FIG. 1.
 FIG. 5 is a bottom view of the manhole step of FIG. 1.
 FIG. 6 is a left side view of the manhole step of FIG. 1.
 FIG. 7 is a front view of the manhole step of FIG. 1; and,
 FIG. 8 is a rear view of the manhole step of FIG. 1.
 The broken lines in the drawings denote environmental structure that form no part of the claimed design.

1 Claim, 6 Drawing Sheets

- (56) **References Cited**
U.S. PATENT DOCUMENTS
- 4,100,997 A * 7/1978 Peacock E06C 9/04 182/90
- 4,610,330 A * 9/1986 Borst E06C 9/04 182/90
- 4,655,318 A * 4/1987 Bowen E06C 9/04 182/228.1
- 4,869,342 A * 9/1989 Borst E06C 9/04 182/90
- D304,376 S * 10/1989 Robertson D25/69
- 5,944,140 A * 8/1999 Takahashi E02D 29/1463 182/129



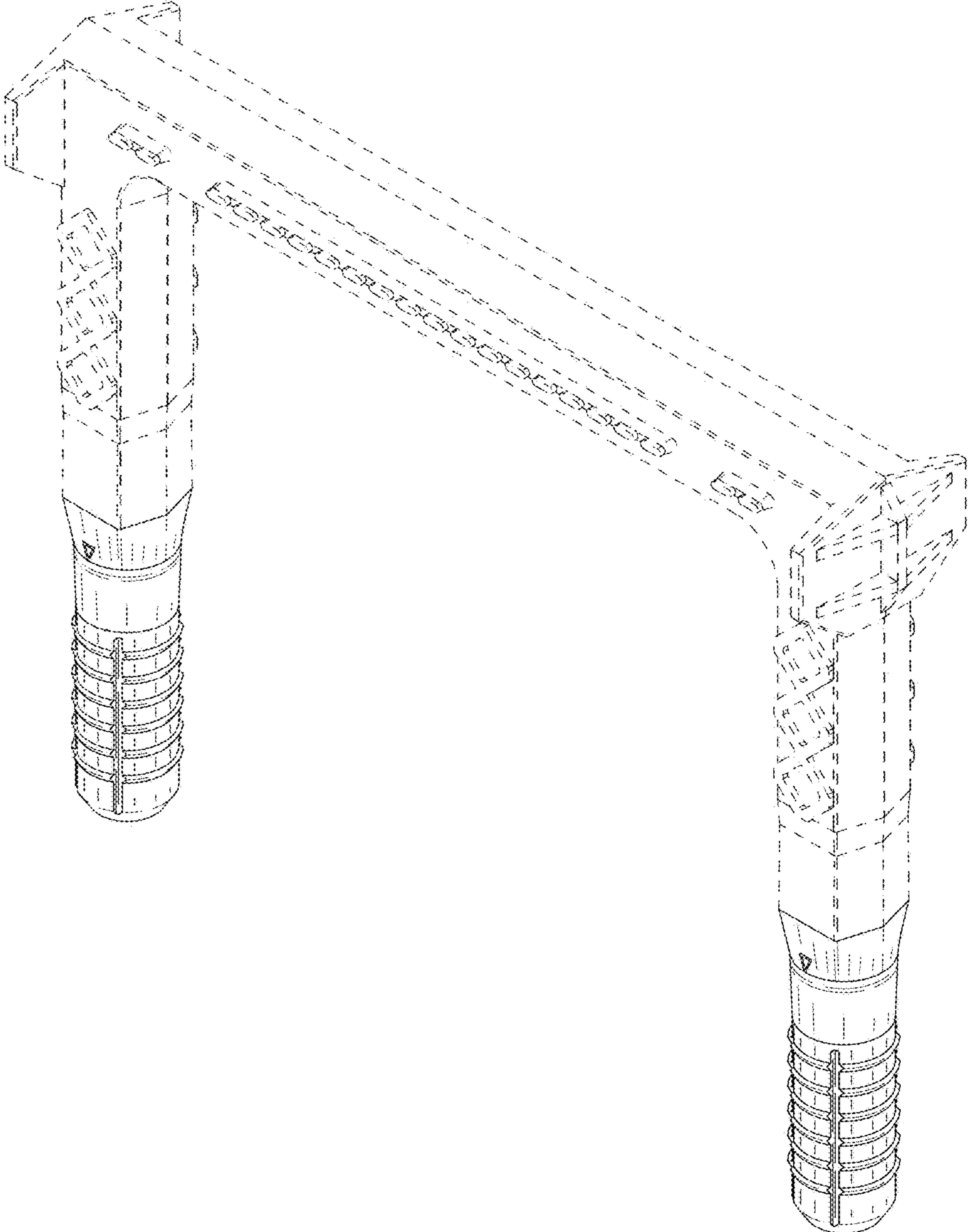


FIG. 1

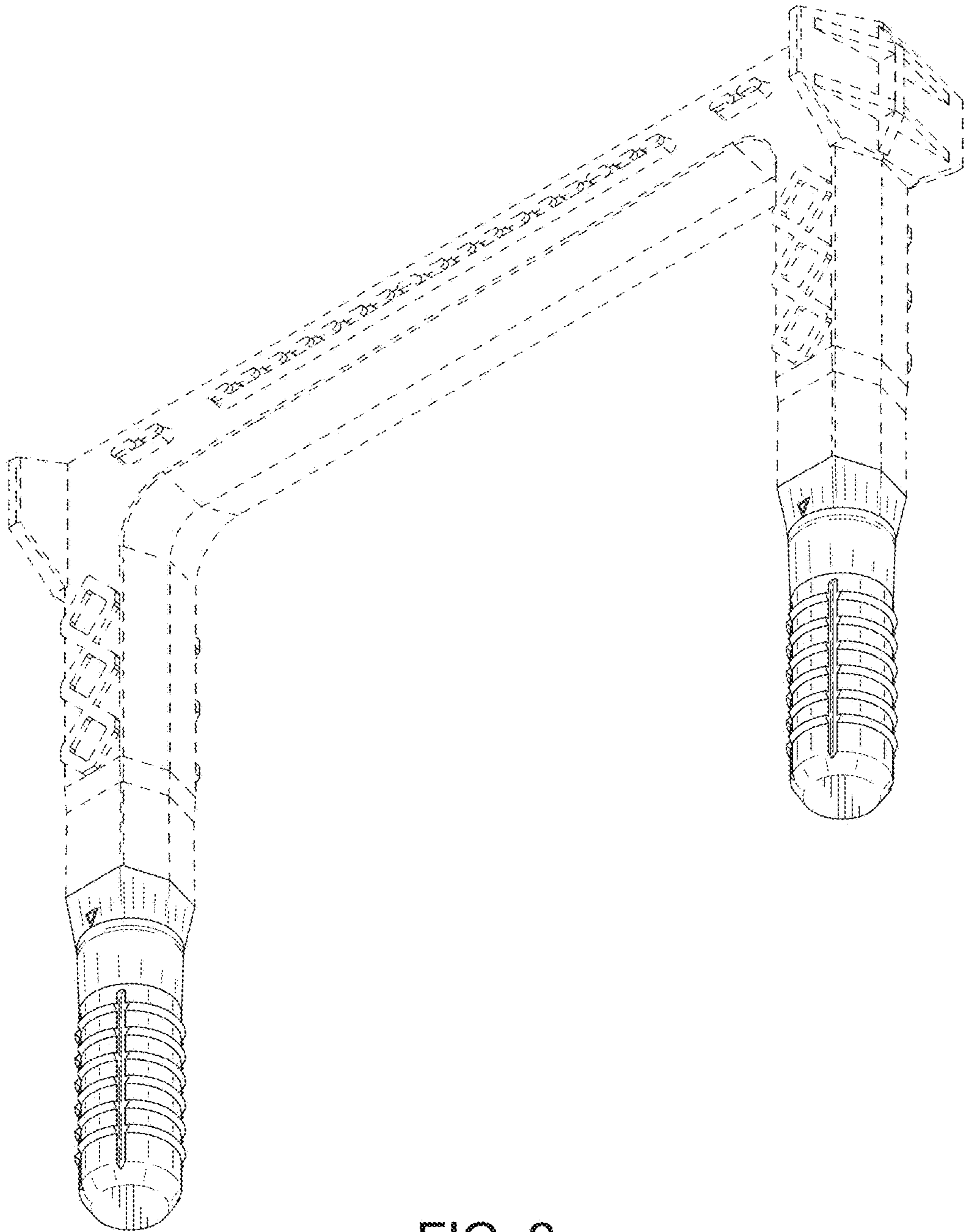


FIG. 2

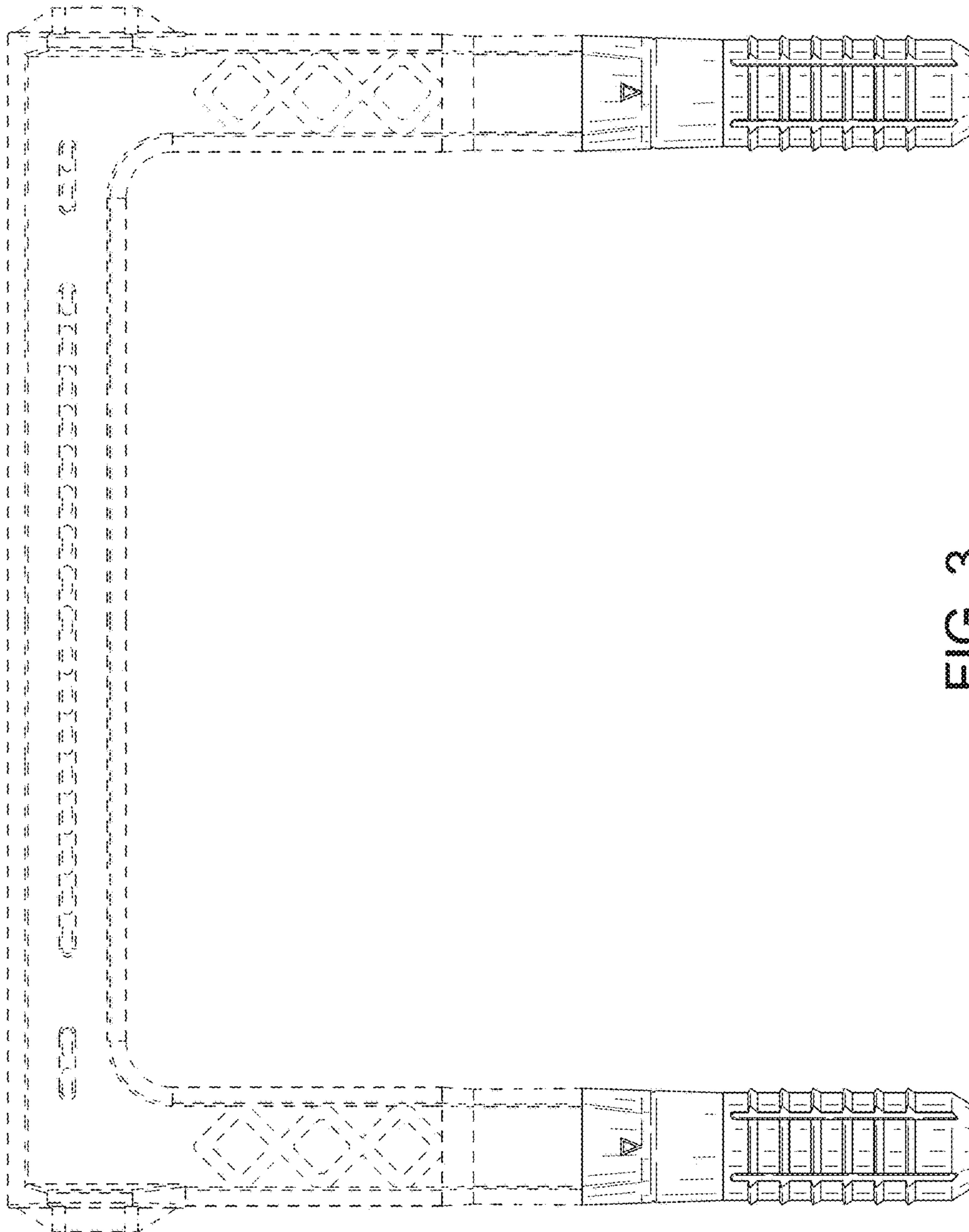


FIG. 3

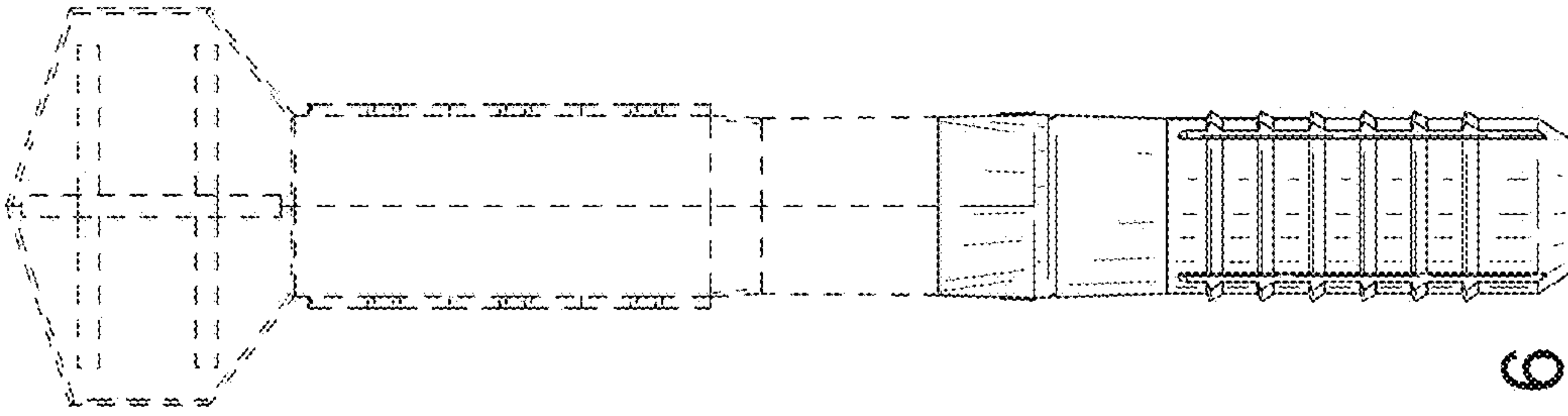


FIG. 6

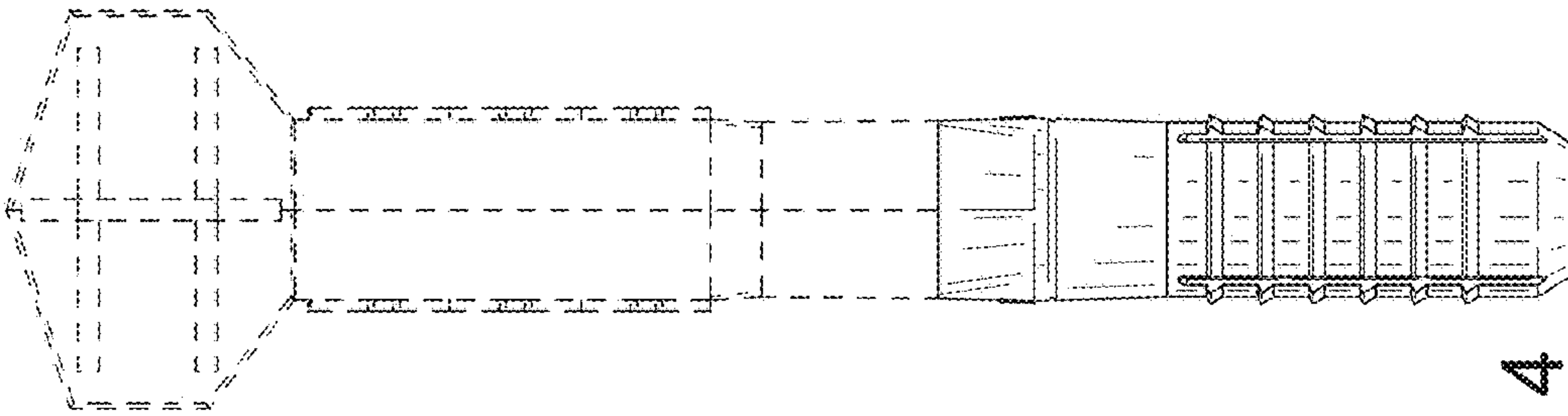


FIG. 4

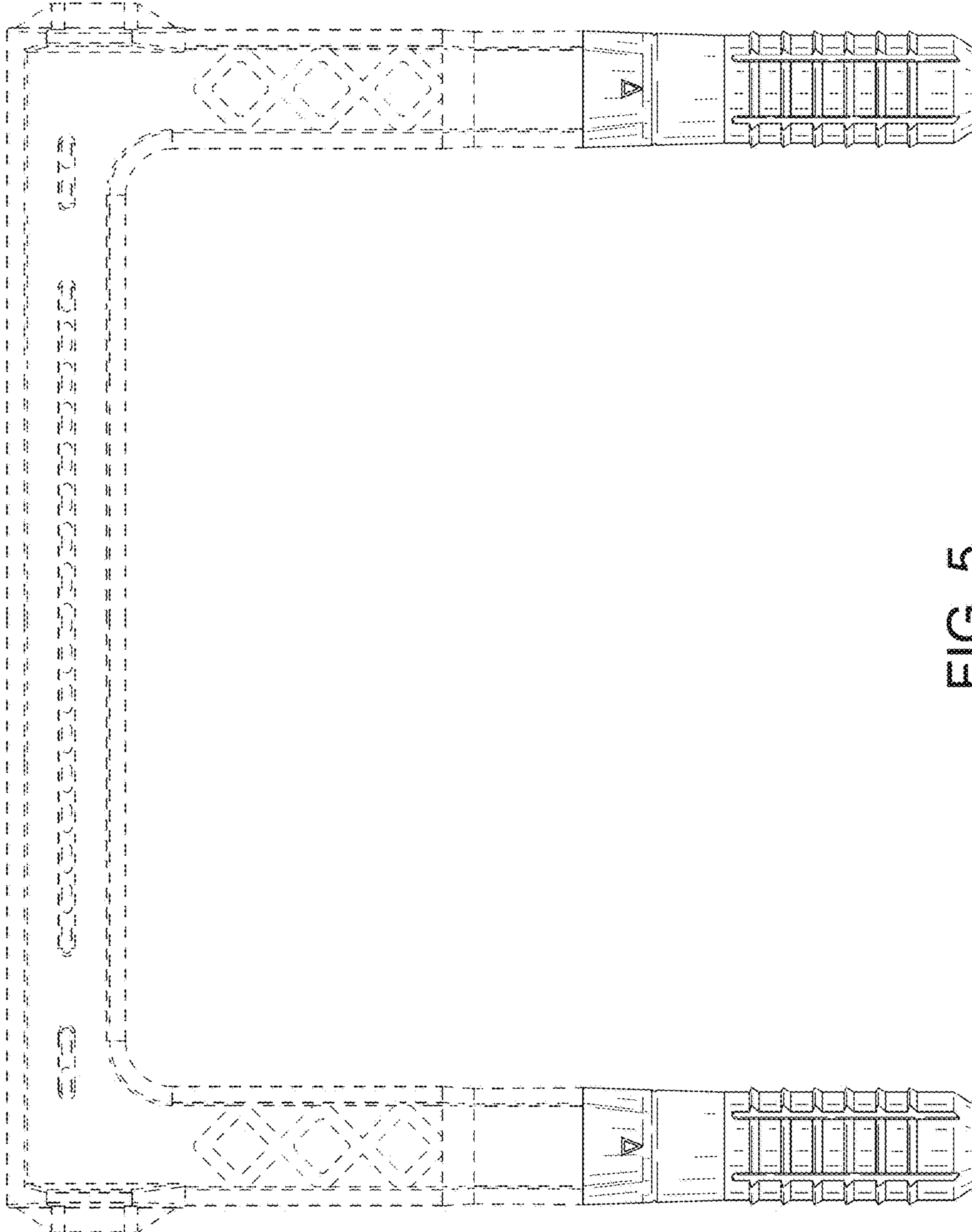


FIG. 5

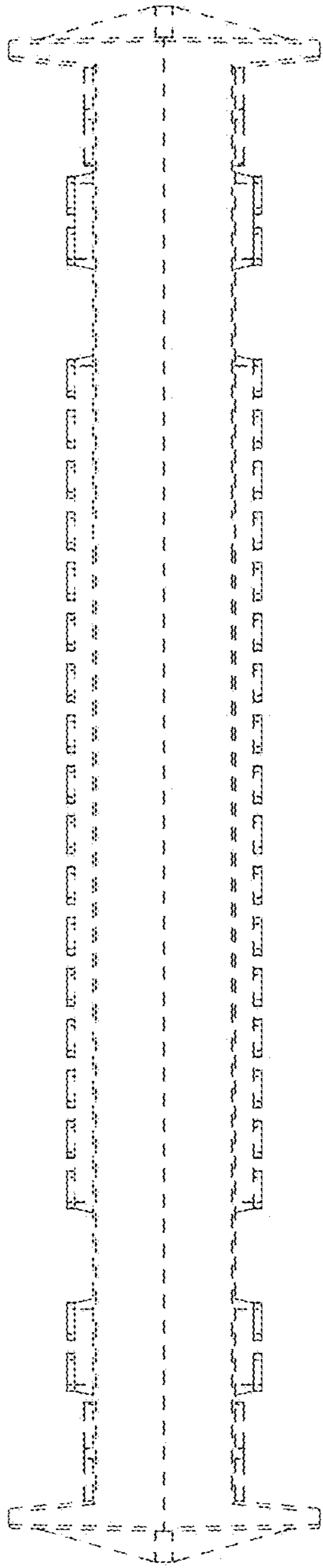


FIG. 7

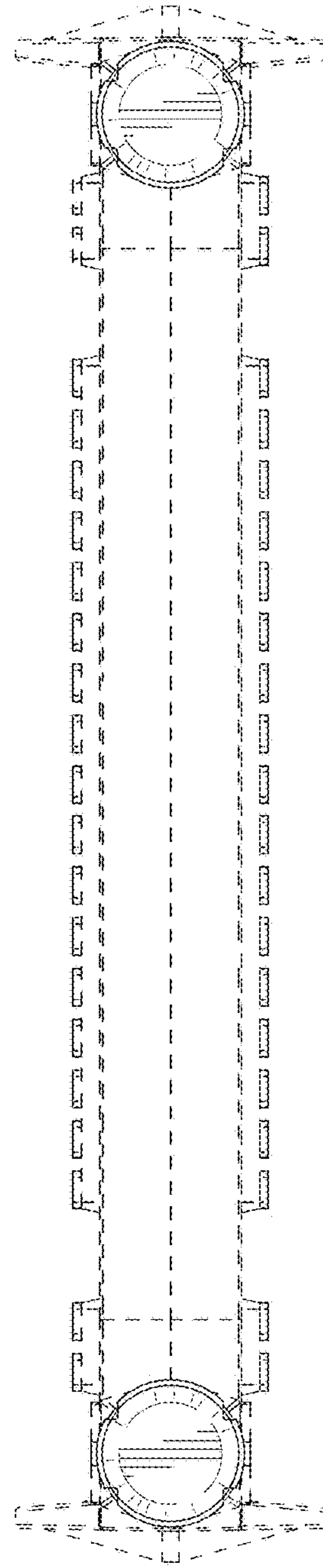


FIG. 8