



US00D633207S

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

(10) **Patent No.:** **US D633,207 S**
(45) **Date of Patent:** **** Feb. 22, 2011**

(54) **MULTI-PLANAR COUPLING**

(75) Inventor: **Beat Mürner**, Reichenbach (CH)

(73) Assignee: **Stryker Trauma AG** (CH)

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

(21) Appl. No.: **29/357,298**

(22) Filed: **Mar. 10, 2010**

(30) **Foreign Application Priority Data**

Sep. 11, 2009 (EM) 001167266

(51) **LOC (9) Cl.** **24-03**

(52) **U.S. Cl.** **D24/155**; D24/128; D24/135

(58) **Field of Classification Search** D24/155–157,
D24/129, 128, 133, 135, 143; 606/53, 54,
606/59, 237, 246, 247, 248; 600/227; 403/322.4,
403/373, 385

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D255,713 S * 7/1980 Sturges D24/147
5,376,091 A 12/1994 Hotchkiss et al.
5,443,465 A 8/1995 Pennig
5,752,954 A 5/1998 Mata et al.
5,846,245 A 12/1998 McCarthy et al.
6,019,769 A 2/2000 McCarthy et al.
6,080,153 A 6/2000 Mata et al.
D455,831 S * 4/2002 Koros et al. D24/135
6,520,962 B1 2/2003 Taylor et al.
6,702,814 B2 3/2004 Walulik et al.
D526,410 S * 8/2006 Phillips et al. D24/135
D537,939 S * 3/2007 Phillips et al. D24/135
7,261,713 B2 8/2007 Langmaid et al.
D551,763 S * 9/2007 Phillips et al. D24/135
7,282,052 B2 10/2007 Mullaney
7,562,855 B2 * 7/2009 Oetlinger 248/316.6
2002/0077629 A1 6/2002 Hoffman et al.
2003/0199738 A1 * 10/2003 Yager 600/227
2004/0059331 A1 3/2004 Mullaney
2005/0240265 A1 * 10/2005 Kuiper et al. 623/17.11

2006/0025703 A1 * 2/2006 Miles et al. 600/554
2006/0039750 A1 * 2/2006 Thomke et al. 403/385
2006/0052785 A1 * 3/2006 Augustino et al. 606/61
2006/0167453 A1 7/2006 Hoffmann-Clair et al.
2008/0215053 A1 * 9/2008 Thomke et al. 606/59

(Continued)

FOREIGN PATENT DOCUMENTS

EP 0700664 A1 3/1996

Primary Examiner—Bridget L Eland

(74) *Attorney, Agent, or Firm*—Lerner, David, Littenberg,
Krumholz & Mentlik, LLP

(57) **CLAIM**

The ornamental design for a multi-planar coupling, as shown
and described.

DESCRIPTION

FIG. 1 is a perspective view of a multi-planar coupling.

FIG. 2 is a side view of the multi-planar coupling shown in
FIG. 1.

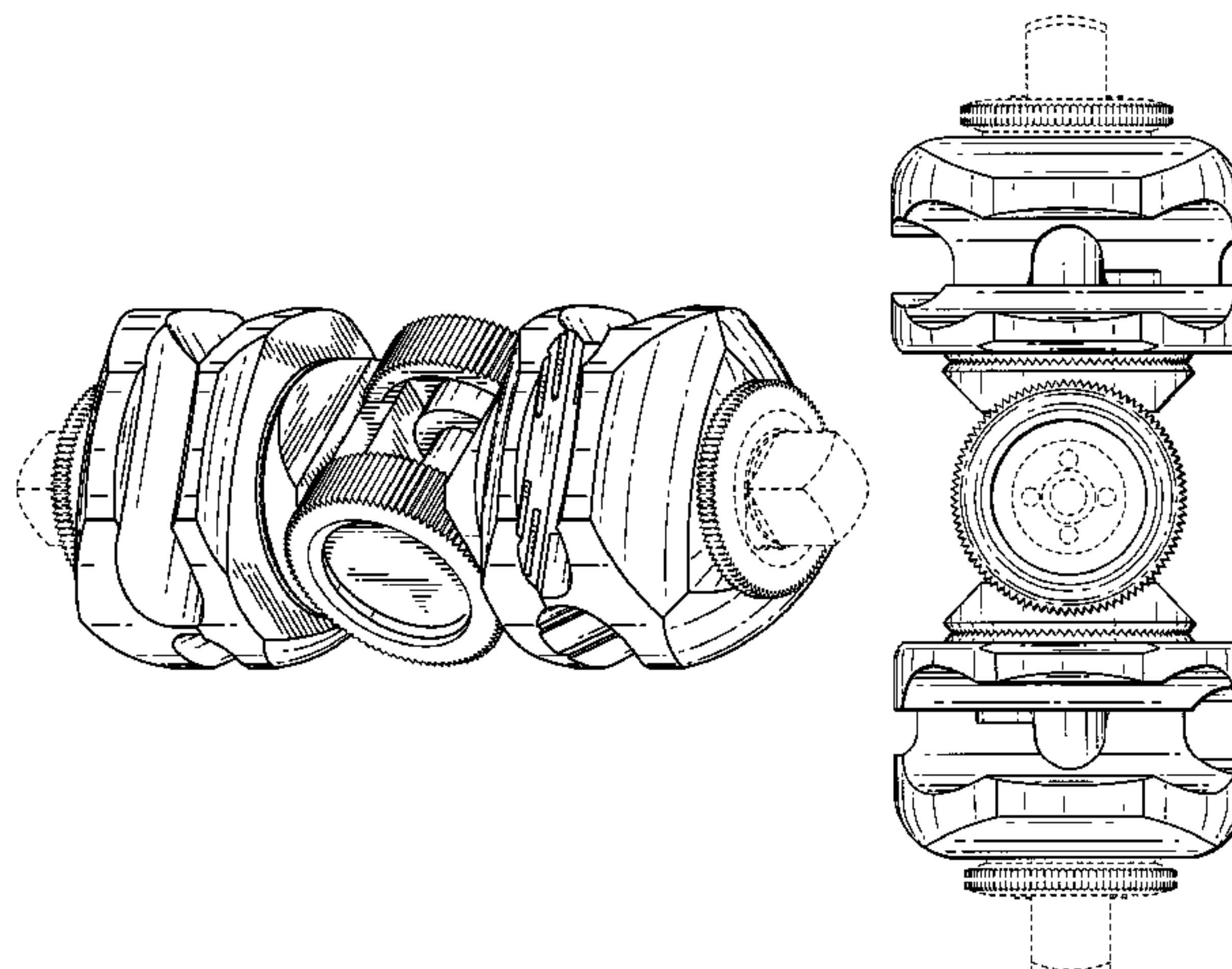
FIG. 3 is a rear view of the multi-planar coupling shown in
FIG. 1.

FIG. 4 is a front view of the multi-planar coupling shown in
FIG. 1; and,

FIG. 5 is a top view of the multi-planar coupling shown in
FIG. 1, the bottom view being a mirror image thereof.

The broken lines immediately adjacent the shaded areas of the
connector shown in the drawings represent the bounds of the
claimed design while all other broken lines represent envi-
ronmental structure and are for illustrative purposes only; the
broken lines form no part of the claimed design.

1 Claim, 3 Drawing Sheets



US D633,207 S

Page 2

U.S. PATENT DOCUMENTS

2009/0088751 A1 4/2009 Mullaney

2008/0306527 A1 * 12/2008 Winslow et al. 606/246
2009/0018541 A1 1/2009 Lavi

* cited by examiner

FIG. 1

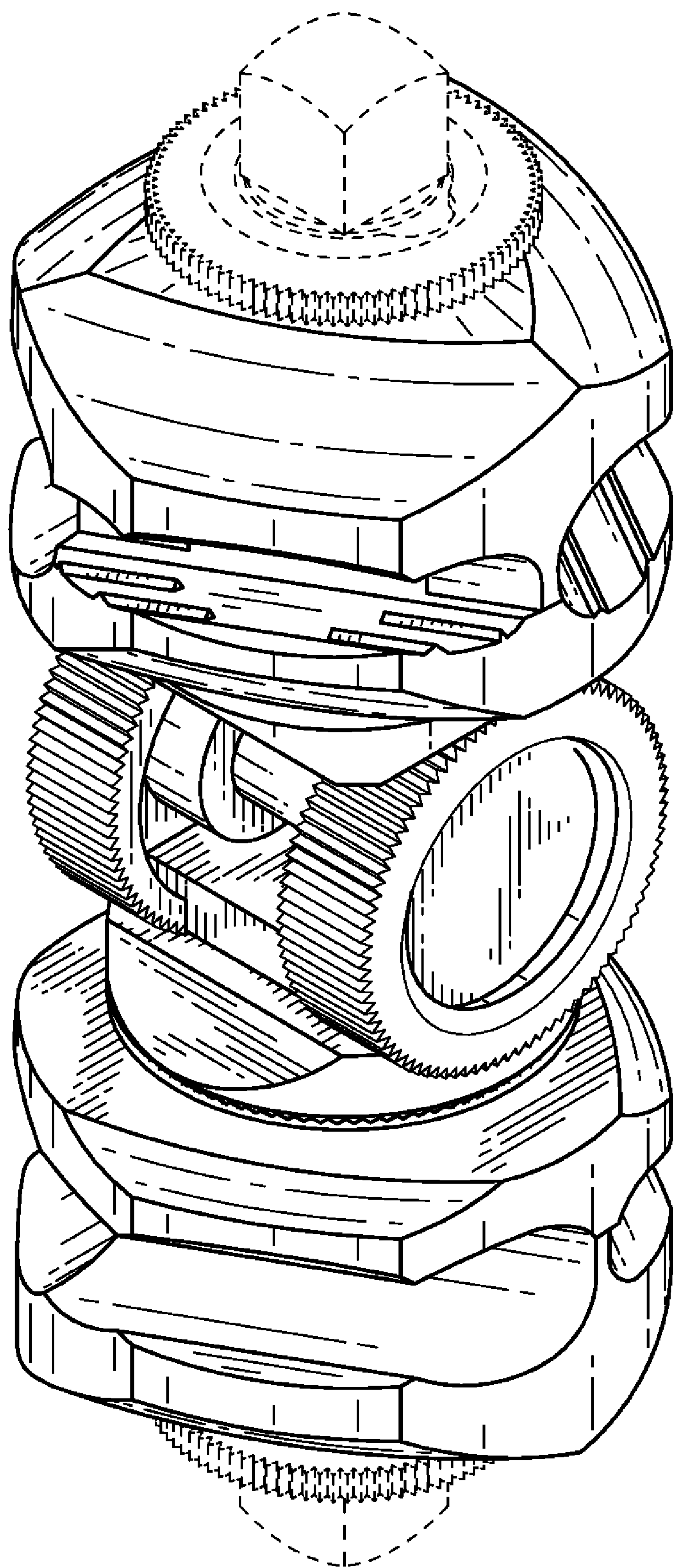


FIG. 2

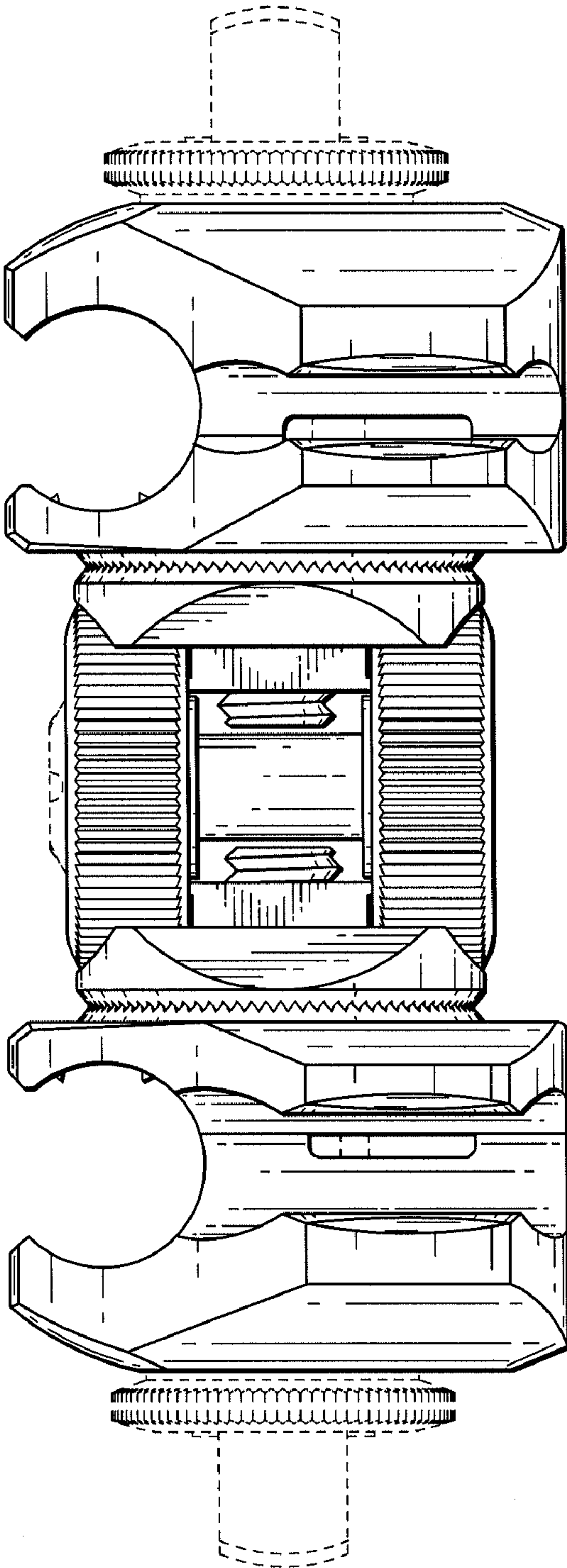


FIG. 3

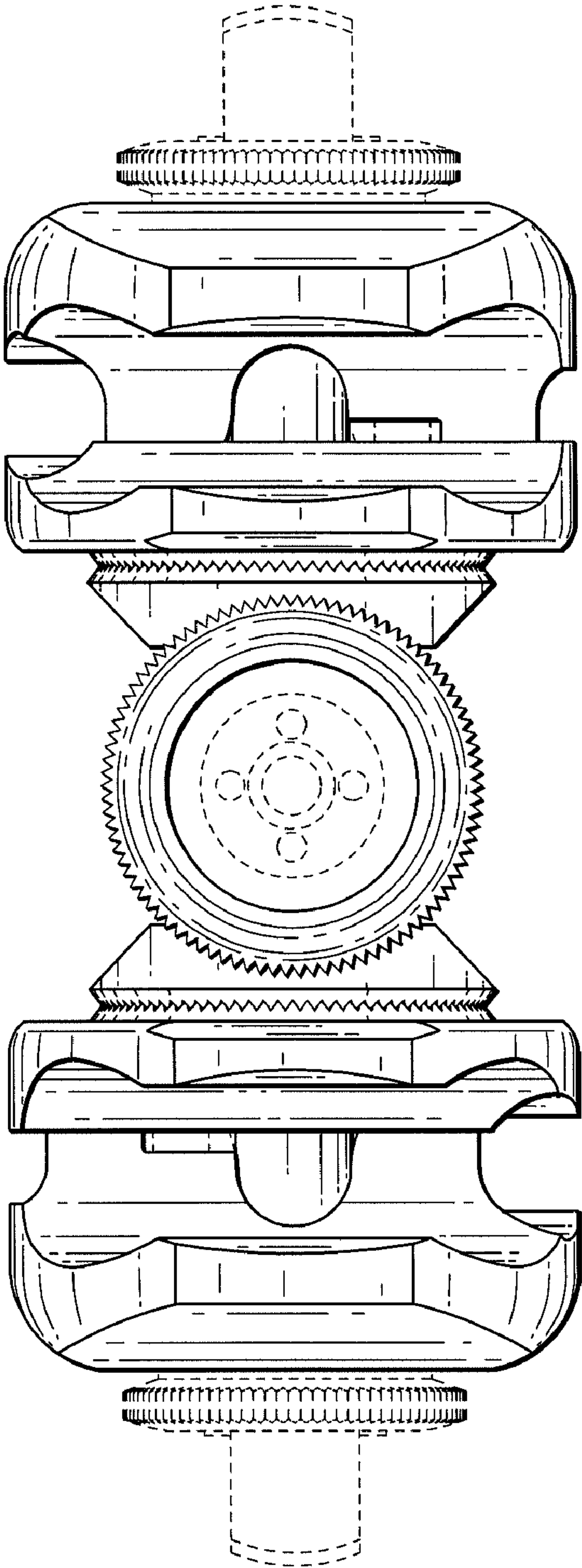


FIG. 4

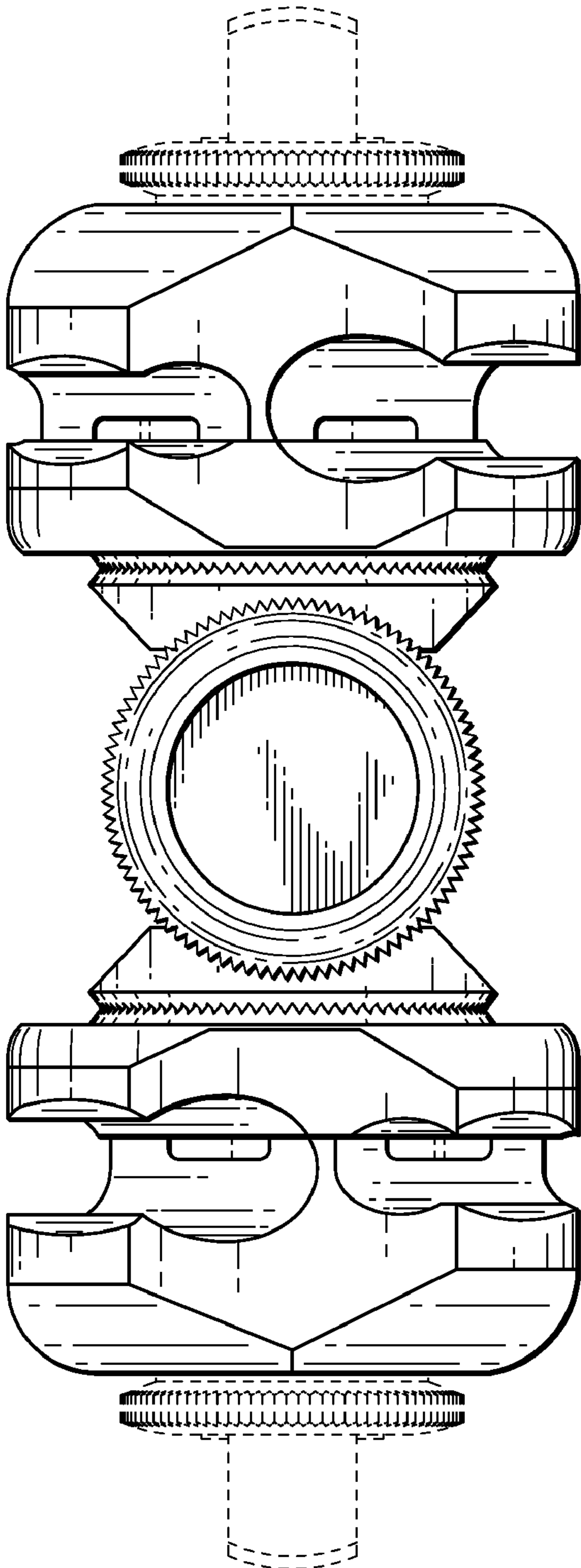


FIG. 5

