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United States Patent [19]

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Powers et al.

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[54] **PROXIMAL END CATHETER COUPLING HUB**

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[73] Assignee: **C. R. Bard, Inc.**, Murray Hill, N.J.

[**] Term: **14 Years**

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Related U.S. Application Data

[63] Continuation-in-part of application No. 29/091,063, Jul. 22, 1998, Pat. No. Des. 408,530.

[51] **LOC (7) Cl.** **24-02**

[52] **U.S. Cl.** **D24/112**

[58] **Field of Search** D24/112, 130, D24/129; 604/164, 177, 160, 166, 167, 162, 168, 165, 100, 198

[56] References Cited

U.S. PATENT DOCUMENTS

D. 208,611	9/1967	Smith, Jr.	.....	D83/12
D. 217,702	5/1970	Volk et al.	.....	D83/12
D. 220,555	4/1971	Reiterman	.....	D83/12
D. 223,043	2/1972	Raines	.....	D83/12
D. 224,727	9/1972	Rychlik	.....	D83/12

(List continued on next page.)

FOREIGN PATENT DOCUMENTS

168289	1/1986	European Pat. Off.	.....	A61M 25/02
801954	10/1997	European Pat. Off.	.....	A61M 25/00
WO 99/44654	9/1999	WIPO	.....	A61M 5/00

OTHER PUBLICATIONS

Bard Access Systems, "Devices for Small Patients" (Jul. 1992).
GESCO International, Inc., "Thora-Cath: A Silicone Chest Drainage Catheter" (1995).

GESCO International, Inc. "Per-Q-Cath Product Specification" (1995).
Bard Access Systems, "Assessment AdvantageSM: Cost Reduction and Patient Outcomes Program" (1996).
Bard Access Systems, "Per-Q-CathTM Catheters: Simplicity in PICC Placement" (1996).
Bard Access Systems, "Midline Groshong[®] & Per-Q-Cath[®] Catheters: Color Coded for Easy Identification" (Aug. 1996).
Bard Access Systems, "Per-Q-CathTM PICC and Midline Dressing Change" (1997).
Cook Incorporated, "Peripherally Inserted Central Venous Catheter Sets" (1997).
Winged venipuncture needle set of VIGGO (circa 1989).
Hickman[®] dual lumen chronic care cardiovascular access hemodialysis catheter of Bard Access Systems (circa 1991).

(List continued on next page.)

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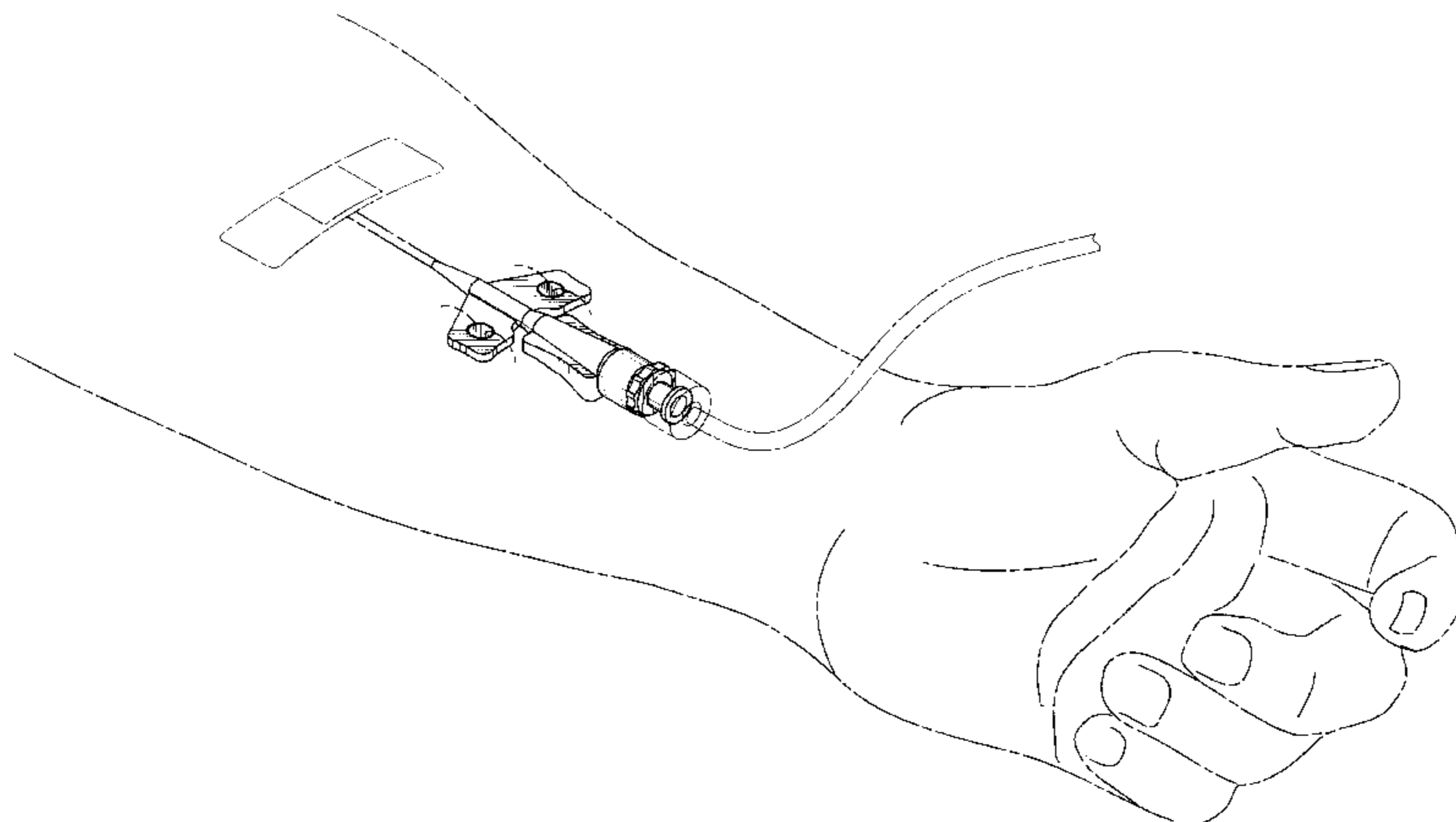
[57] CLAIM

What is claimed is the ornamental design for a proximal end catheter coupling hub, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a proximal end catheter coupling hub embodying the inventive design, understanding that the broken line showing of the hand, tube, needle, sutures, and bandage is for illustrative purposes only and forms no part of the inventive design;
FIG. 2 is a front elevation view of the proximal end catheter coupling hub of FIG. 1;
FIG. 3 is a top plan view of the proximal end catheter coupling hub of FIG. 2;
FIG. 4 is a rear elevation view of the proximal end catheter coupling hub of FIG. 2;
FIG. 5 is a bottom plan view of the a proximal end catheter coupling hub of FIG. 2;
FIG. 6 is a right elevation side view of the proximal end catheter coupling hub of FIG. 2; and,
FIG. 7 is a left elevation side view of the proximal end catheter coupling hub of FIG. 2.

1 Claim, 3 Drawing Sheets



U.S. PATENT DOCUMENTS

D. 228,691	10/1973	Stockton	D83/12 A	5,151,962	9/1992	Walker et al.	385/86
D. 257,885	1/1981	Kulle	D24/52	5,163,913	11/1992	Rantanen-Lee et al.	604/177
D. 258,387	2/1981	DeFrank	D24/52	5,167,635	12/1992	Haber et al.	604/164
D. 314,050	1/1991	Sone	D24/129	5,167,647	12/1992	Wijkamp et al.	604/281
D. 326,154	5/1992	Deguchi et al.	D24/112	5,267,971	12/1993	Brimhall	604/177
D. 340,111	10/1993	Yoshikawa	D24/112	5,304,144	4/1994	Brimhall	604/177
D. 355,031	1/1995	Yoshikawa	D24/112	5,330,449	7/1994	Prichard et al.	604/282
D. 358,465	5/1995	Klein et al.	D24/112	5,358,493	10/1994	Schweich, Jr. et al.	604/264
D. 376,646	12/1996	Vallelunga	D24/130	5,380,301	1/1995	Prichard et al.	604/281
D. 381,419	7/1997	Musgrave et al.	D24/112	5,423,763	6/1995	Helland et al.	604/174
D. 384,740	10/1997	Musgrave et al.	D24/112	5,489,273	2/1996	Whitney et al.	604/160
D. 395,501	6/1998	Erskine et al.	D24/112	5,531,701	7/1996	Luther	604/165
D. 408,530	4/1999	Eliassen et al.	D24/112	5,536,255	7/1996	Moss	604/161
3,454,006	7/1969	Langdon	128/214.4	5,628,780	5/1997	Helland et al.	607/126
3,640,275	2/1972	Burke et al.	128/214	5,651,776	7/1997	Appling et al.	604/283
4,129,128	12/1978	McFarlane	128/133	5,674,201	10/1997	Steinman	604/165
4,193,399	3/1980	Robinson	128/214.4	5,772,643	6/1998	Howell et al.	604/283
4,194,504	3/1980	Harms et al.	128/214.4	5,800,410	9/1998	Gawreluk	604/280
4,300,553	11/1981	Seberg	128/214.4	5,807,342	9/1998	Musgrave et al.	604/177
4,323,065	4/1982	Kling	128/214 R	5,810,780	9/1998	Brimhall et al.	604/167
4,341,212	7/1982	Medwid	128/276	5,814,021	9/1998	Balbierz	604/174
4,362,156	12/1982	Feller, Jr. et al.	604/165	5,827,230	10/1998	Bierman	604/174
4,366,817	1/1983	Thomas	604/174	5,941,849	8/1999	Amos, Jr. et al.	604/95
4,388,074	6/1983	Seberg et al.	604/165	6,011,988	1/2000	Lynch et al.	600/434
4,389,210	6/1983	Genese	604/177				
4,445,893	5/1984	Bodicky	604/165				
4,460,356	7/1984	Moseley	604/180				
4,609,370	9/1986	Morrison	604/165				
4,650,472	3/1987	Bates	604/158				
4,710,175	12/1987	Cartmell et al.	604/177				
4,738,658	4/1988	Magro et al.	604/53				
4,743,265	5/1988	Whitehouse et al.	604/161				
4,748,982	6/1988	Horzewski et al.	606/192				
4,775,367	10/1988	Schmidt	604/192				
4,781,692	11/1988	Jagger et al.	604/164				
4,838,269	6/1989	Robinson et al.	128/344				
4,863,432	9/1989	Kvalo	604/177				

OTHER PUBLICATIONS

Flexxicon II® dual lumen acute care cardiovascular access hemodialysis catheter of Vas-Cath Incorporated (circa 1992).

Per-Q-Cath® peripherally inserted central venous catheter of GESCO International, Inc. (circa 1992).

Per-Q-Cath® midline catheter of GESCO International, Inc. (circa 1998).

Vaccess™ single lumen acute care cardiovascular access catheter with Y-side port of Vas-Cath Incorporated (circa 1988).

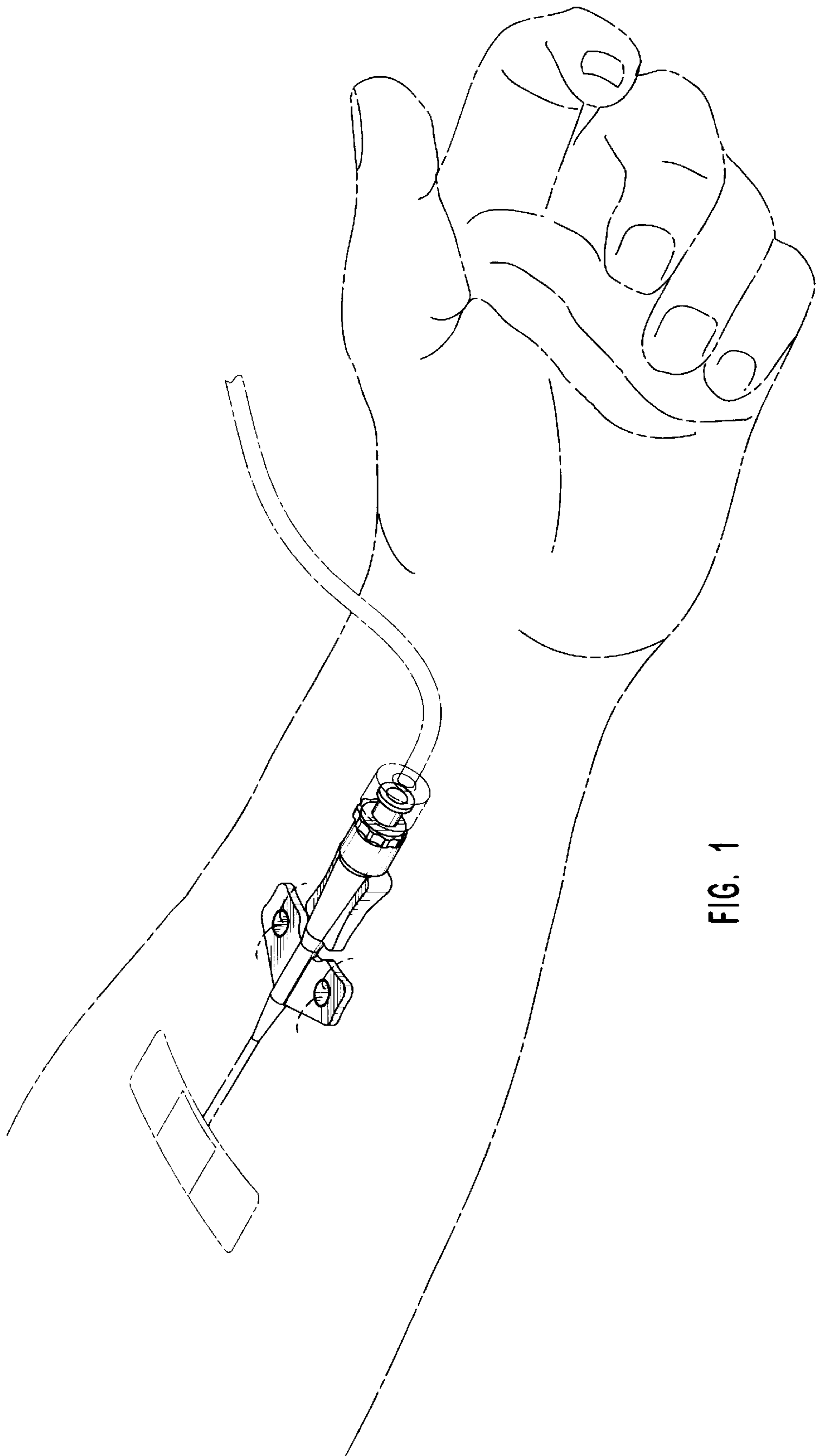
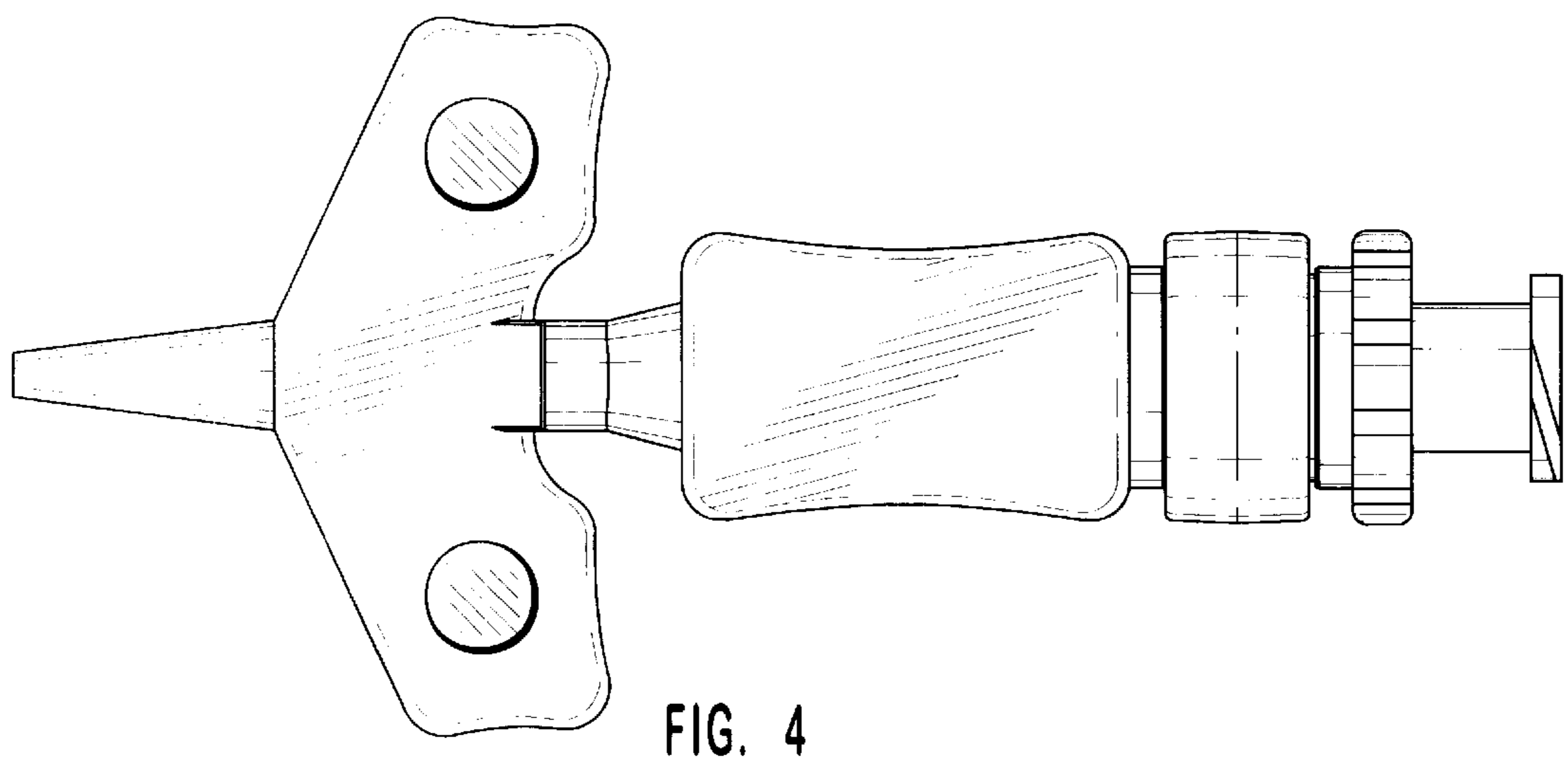
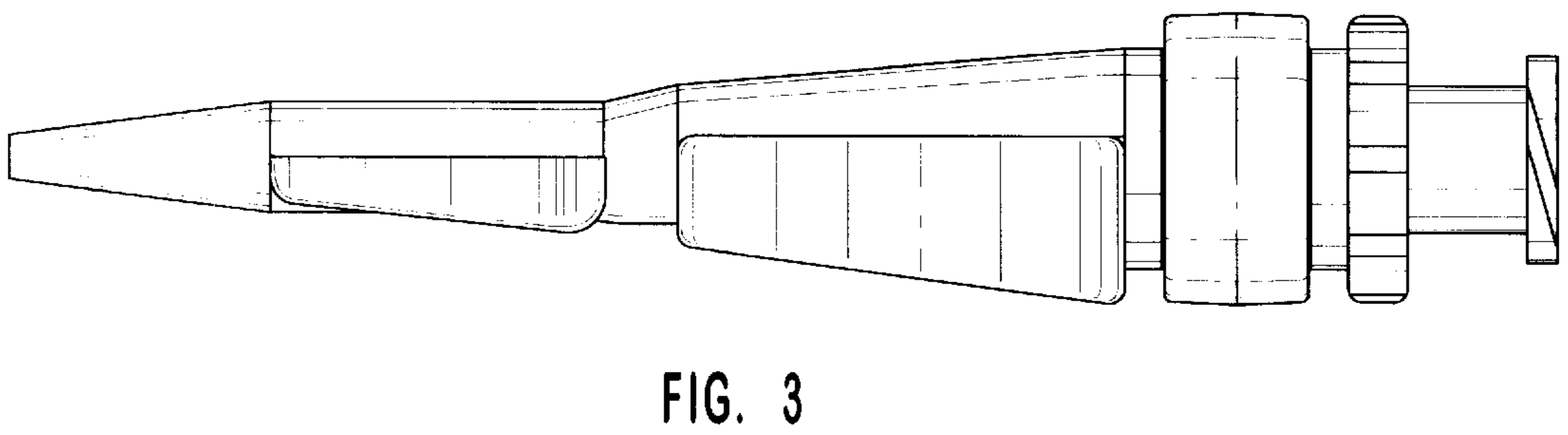
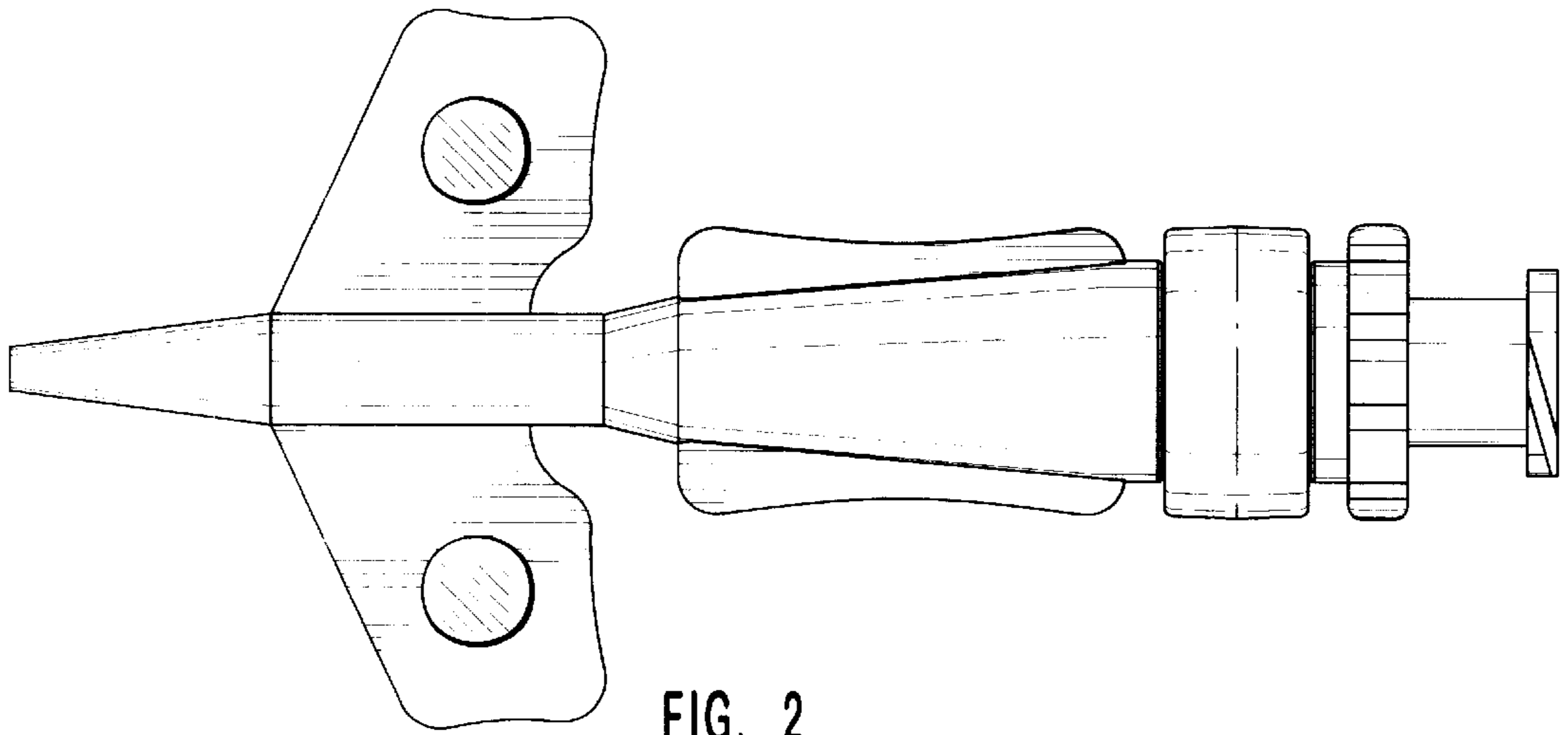


FIG. 1



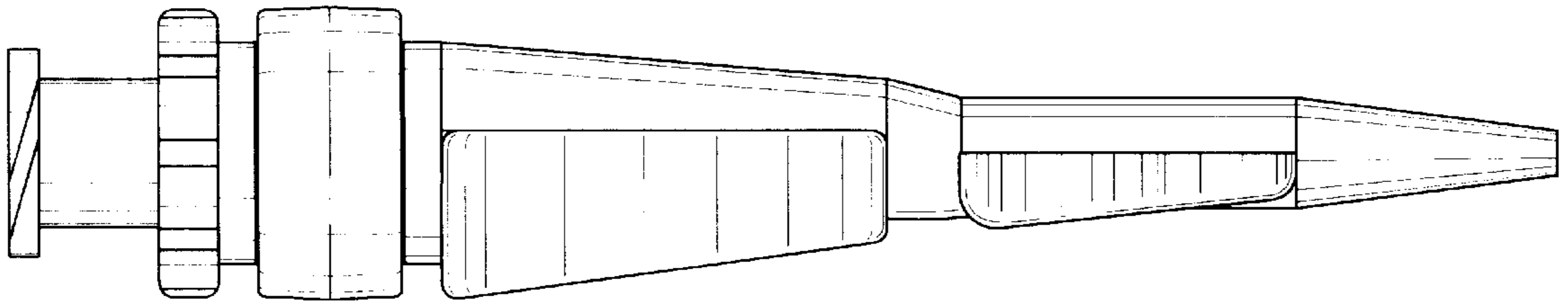


FIG. 5

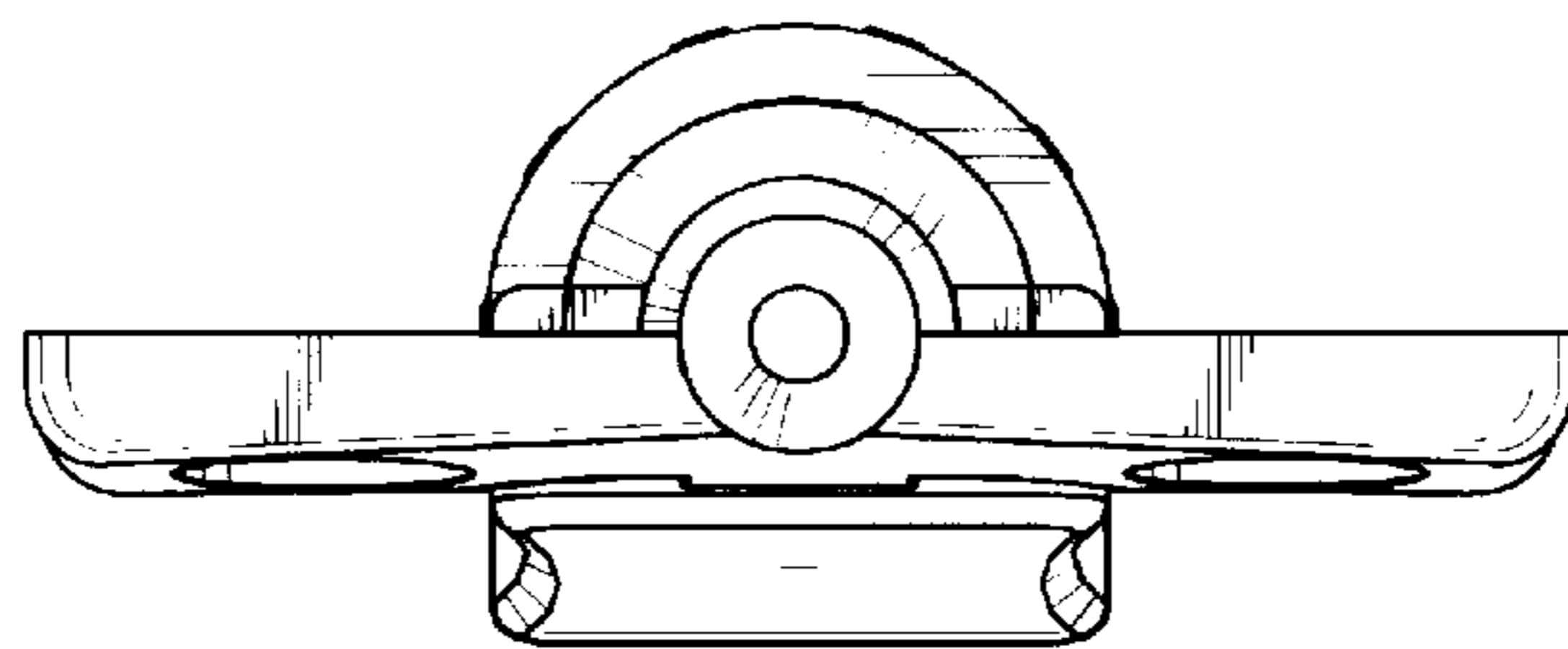


FIG. 6

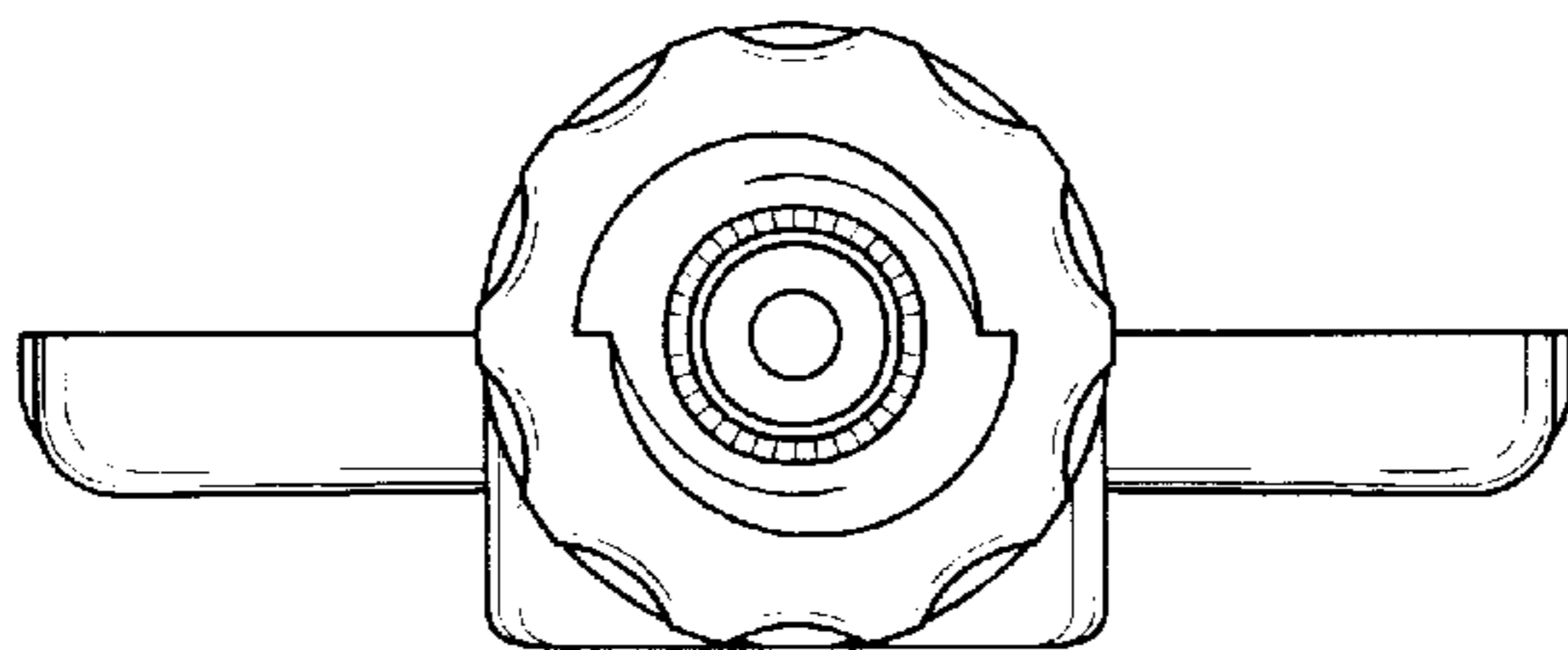


FIG. 7