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(12) **United States Design Patent**
Diamond et al.

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(54) **DUAL LUMEN CATHETER WINGED BIFURCATION**

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(73) Assignee: **C. R. Bard, Inc.**, Murray Hill, NJ (US)

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

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(51) **LOC (7) Cl.** **24-02**
(52) **U.S. Cl.** **D24/130**
(58) **Field of Search** D24/130, 129, D24/112, 114, 146–7, 127–8, 164.08, 165.03, 165.04, 177, 198, 174, 263; 600/573, 567, 583, 576; 604/164, 164.03, 164.04, 164.07

(56) **References Cited**

U.S. PATENT DOCUMENTS

D168,289	S	12/1952	David
D208,611	S	9/1967	Smith, Jr.
3,454,006	A	7/1969	Langdon
D217,702	S	5/1970	Volk et al.
D220,555	S	4/1971	Reiterman
D223,043	S	2/1972	Raines
3,640,275	A	2/1972	Burke et al.
D224,727	S	9/1972	Rychlik
D228,691	S	10/1973	Stockton
4,129,128	A	12/1978	McFarlane

(List continued on next page.)

FOREIGN PATENT DOCUMENTS

EP	168289	A1	1/1986
EP	801951	A3	10/1997
EP	801951	A2	10/1997
WO	WO 99/44654		9/1999

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 Advantage℠, Cost Reduction and Patient Outcomes Program" (1996).
Bard Access Systems, "Per–Q–Cath™ 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–Cath™ PICC and Midline Dressing Change" (1997).

(List continued on next page.)

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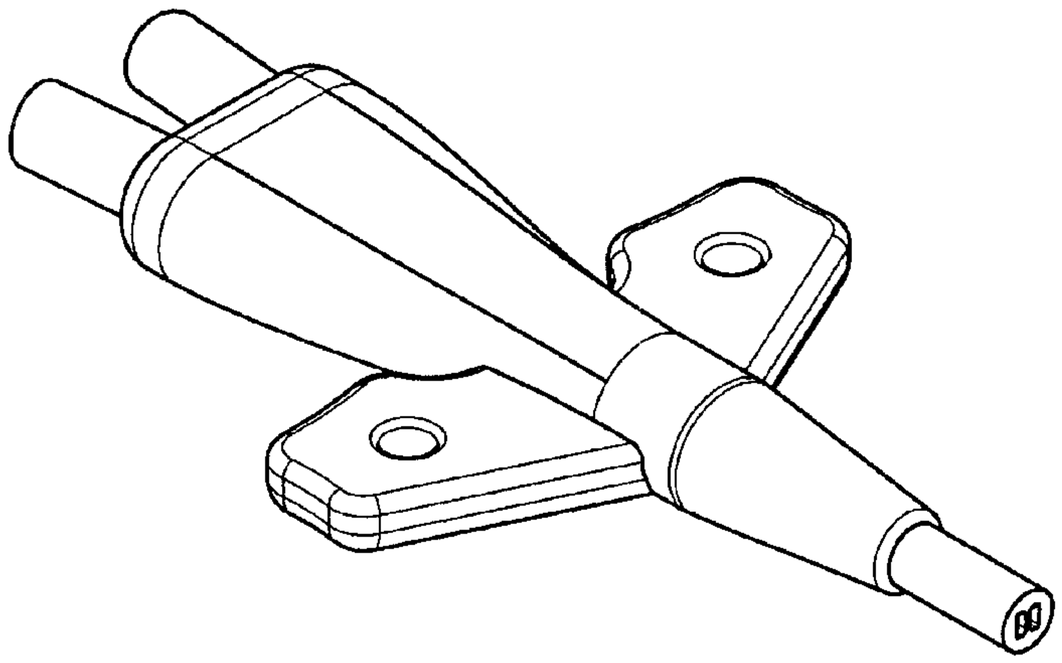
(57) **CLAIM**

The ornamental design for a dual lumen catheter winged bifurcation, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of a dual lumen catheter winged bifurcation;
FIG. **2** is a left elevation side view of the dual lumen catheter winged bifurcation of FIG. **1** .
FIG. **3** is a right elevation side view of the dual lumen catheter winged bifurcation of FIG. **1** .
FIG. **4** is a top elevation view of the dual lumen catheter winged bifurcation of FIG. **1** .
FIG. **5** is a bottom elevation view of the dual lumen catheter winged bifurcation of FIG. **1** .
FIG. **6** is a front elevation view of the dual lumen catheter winged bifurcation of FIG. **1** ; and,
FIG. **7** is a rear elevation view of the dual lumen catheter winged bifurcation of FIG. **1** .

1 Claim, 4 Drawing Sheets



U.S. PATENT DOCUMENTS

4,193,399	A		3/1980	Robinson
4,194,504	A		3/1980	Harms et al.
D257,885	S		1/1981	Kulle
D258,387	S		2/1981	DeFrank
4,300,553	A		11/1981	Seberg
4,323,065	A		4/1982	Kling
4,341,212	A		7/1982	Medwid
4,362,156	A		12/1982	Feller, Jr. et al.
4,366,817	A		1/1983	Thomas
4,388,074	A		6/1983	Seberg et al.
4,389,210	A		6/1983	Genese
4,445,893	A		5/1984	Bodicky
4,460,356	A		7/1984	Moseley
4,609,370	A		9/1986	Morrison
4,650,472	A		3/1987	Bates
4,710,175	A		12/1987	Cartmell et al.
4,738,658	A		4/1988	Magro et al.
4,743,265	A		5/1988	Whitehouse et al.
4,748,982	A		6/1988	Horzewski et al.
4,775,367	A		10/1988	Schmidt
4,781,692	A		11/1988	Jagger et al.
4,838,269	A		6/1989	Robinson et al.
4,863,432	A		9/1989	Kvalo
D314,050	S		1/1991	Sone
D326,154	S		5/1992	Deguchi et al.
5,151,962	A		9/1992	Walker et al.
5,163,913	A		11/1992	Rantanen-Lee et al.
5,167,635	A		12/1992	Haber et al.
5,167,647	A		12/1992	Wijkamp et al.
D340,111	S		10/1993	Yoshikawa
5,267,971	A		12/1993	Brimhall
5,304,144	A		4/1994	Brimhall
5,330,449	A		7/1994	Prichard et al.
5,358,493	A		10/1994	Schweich, Jr. et al.
D355,031	S		1/1995	Yoshikawa
5,380,301	A		1/1995	Prichard et al.
D358,465	S		5/1995	Klein et al.
5,423,763	A		6/1995	Helland et al.
5,489,273	A		2/1996	Whitney et al.
5,531,701	A		7/1996	Luther
5,536,255	A		7/1996	Moss
D376,646	S		12/1996	Vallelunga
5,628,780	A		5/1997	Helland et al.
D381,419	S		7/1997	Musgrave et al.
D381,420	S	*	7/1997	Musgrave et al. D24/112
5,651,776	A		7/1997	Appling et al.
D384,411	S	*	9/1997	Musgrave et al. D24/112
D384,740	S		10/1997	Musgrave et al.
5,674,201	A		10/1997	Steinman
D395,501	S		6/1998	Erskine et al.
5,772,643	A		6/1998	Howell et al.
5,800,410	A		9/1998	Gawreluk
5,807,342	A		9/1998	Musgrave et al.
5,810,780	A		9/1998	Brimhall et al.
5,814,021	A		9/1998	Balbierz
5,827,230	A		10/1998	Bierman
D408,530	S		4/1999	Eliasen et al.
5,941,849	A		8/1999	Amos, Jr. et al.
6,011,988	A		1/2000	Lynch et al.
D433,503	S		11/2000	Powers
D462,765	S	*	9/2002	Niermann et al. D24/130
D465,571	S	*	11/2002	Niermann et al. D24/130
6,638,242	B2	*	10/2003	Wilson et al. 604/43
2004/0065333	A1	*	4/2004	Wilson et al. 128/898

OTHER PUBLICATIONS

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).

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).

Hickman® dual lumen chronic care cardiovascular access hemodialysis catheter of Bard Access Systems (circa 1991).

* cited by examiner

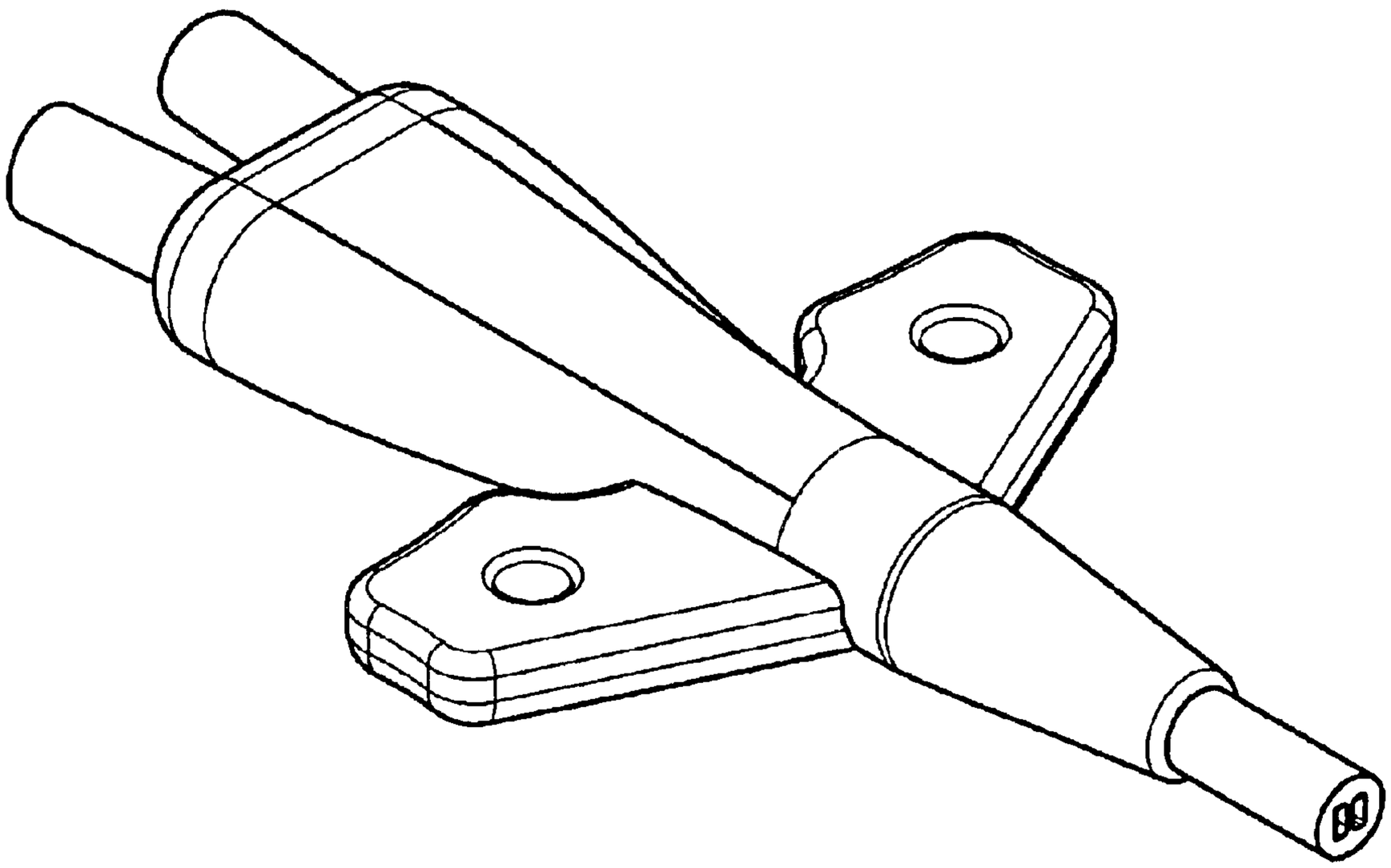


FIG. 1

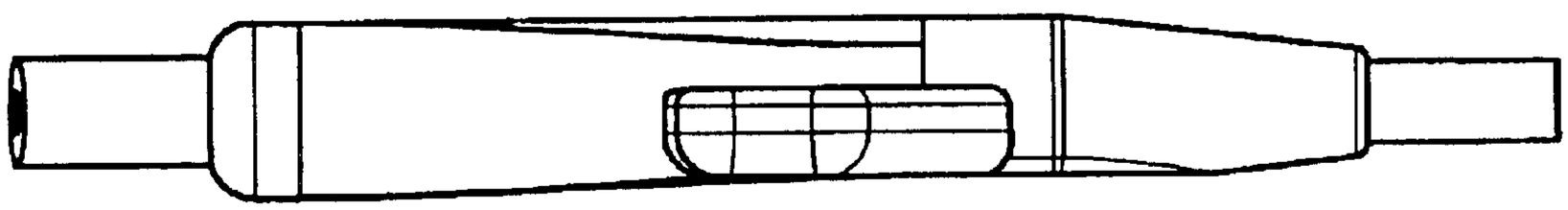


FIG. 2

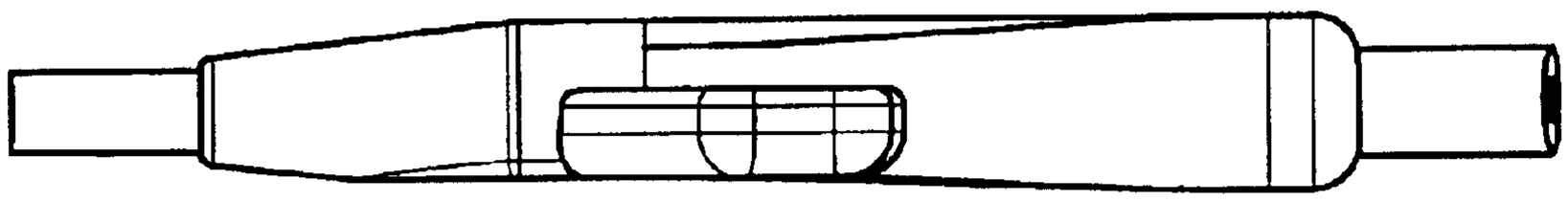
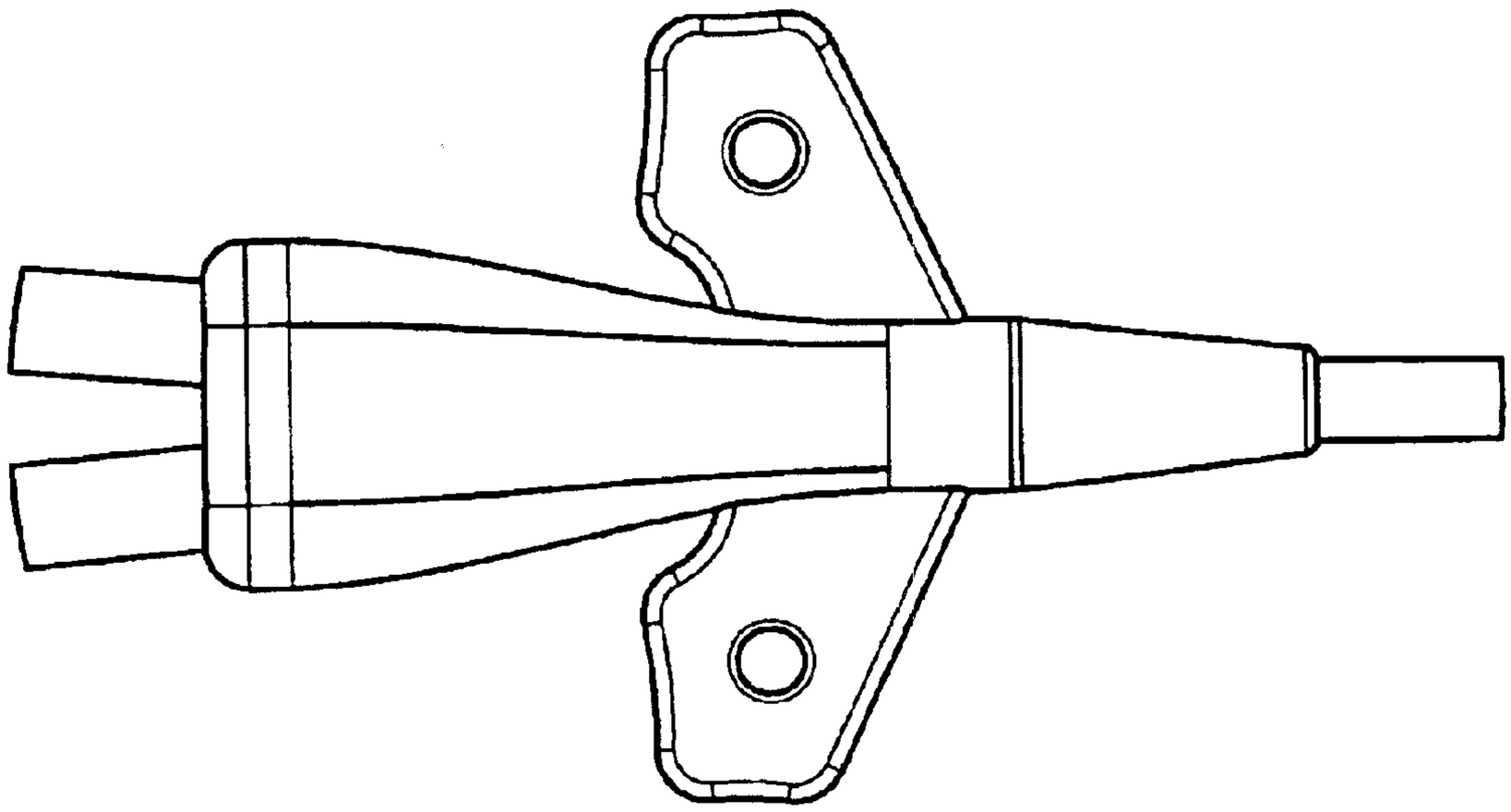


FIG. 3



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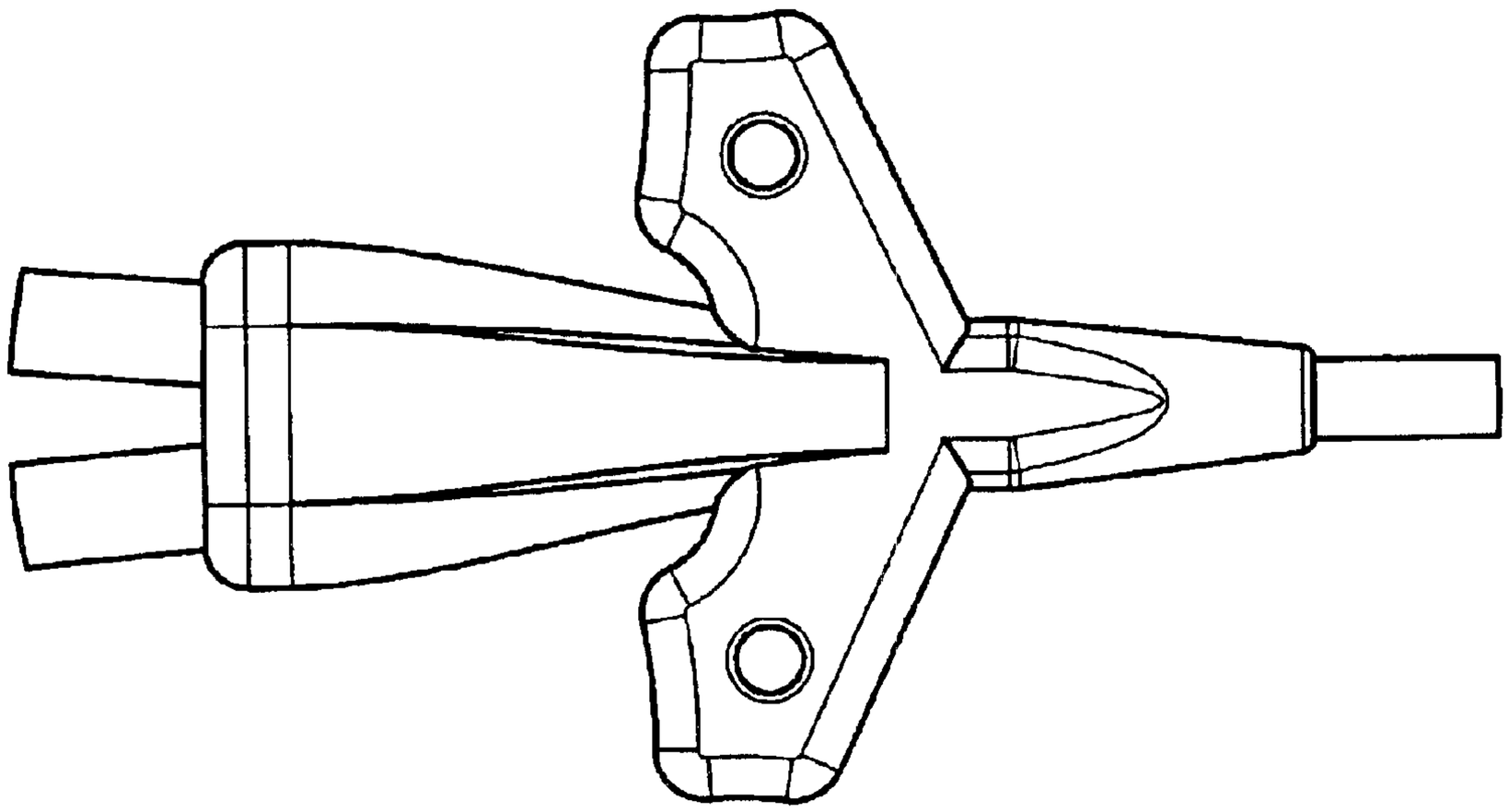

FIG. 5

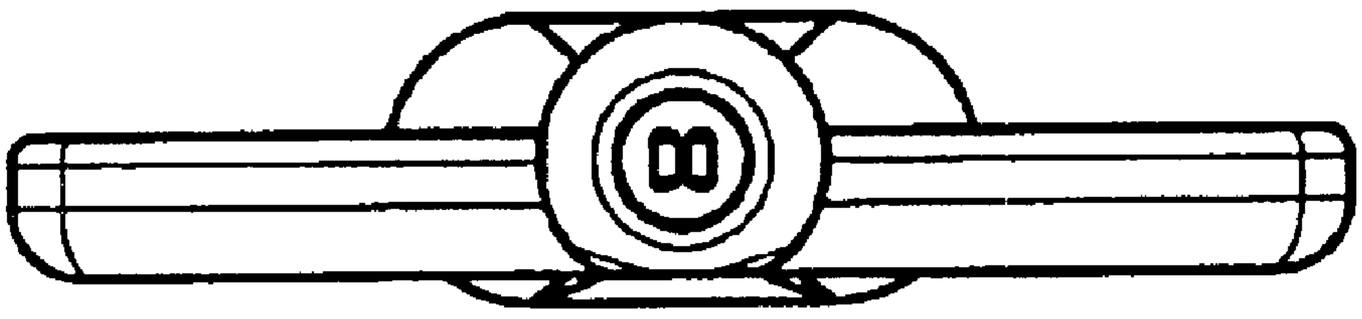

FIG. 6

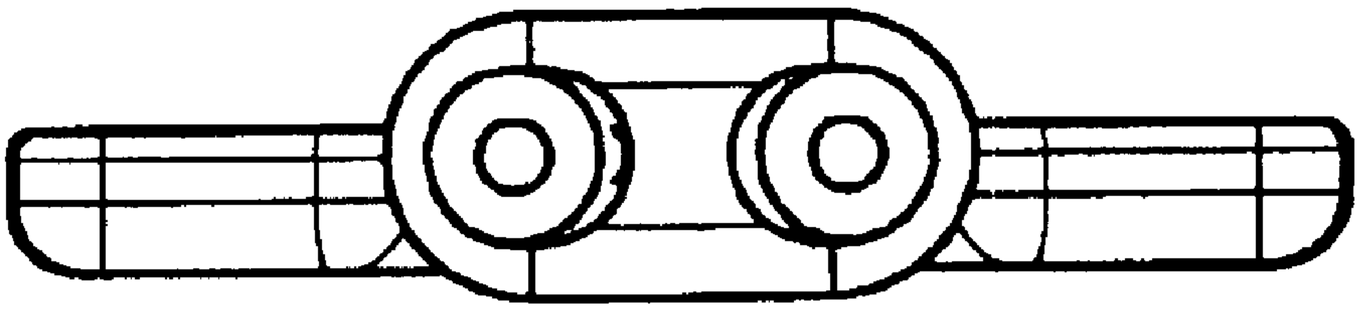

FIG. 7