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United States Patent [19] Farris

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[54] SYRINGE WITH AIR TRAP

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[**] Term: 14 Years

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[52] U.S. Cl. D24/115

[58] Field of Search D24/115, 112;
D9/301, 302, 442; 604/212, 216, 187

[56] References Cited

U.S. PATENT DOCUMENTS

D. 214,365	6/1969	Gerson	D9/442
D. 246,321	11/1977	Löfman	.
D. 398,396	9/1998	Poynter	D24/115
D. 419,672	1/2000	Poynter	D24/115
D. 421,651	3/2000	Poynter	D24/115
829,178	8/1906	Stegmaier	.
1,643,531	9/1927	Wolf	.
1,762,430	6/1930	Tokita	.
2,176,366	10/1939	Smith	604/212
2,486,321	10/1949	O'Sullivan	.
2,667,165	1/1954	Smith	.
2,667,872	2/1954	Smith	.
2,744,527	5/1956	Barrett et al.	.
2,744,528	5/1956	Barrett et al.	.
2,748,770	6/1956	Moeck	.
2,768,623	10/1956	Marchand	.
2,881,953	4/1959	Kuschel	.
2,911,972	11/1959	Elinger	.
3,078,847	2/1963	Wandell et al.	.
3,089,489	5/1963	Dunmire	.
3,187,966	6/1965	Klygis	.
3,261,381	7/1966	Roach	.
3,335,914	8/1967	Strazdins et al.	.
3,340,869	9/1967	Bane	.
3,419,007	12/1968	Love	.
3,512,524	5/1970	Drewe	604/216
3,557,788	1/1971	Swartz	.
3,712,295	1/1973	Kline	.
3,736,933	6/1973	Szabo	.
3,938,514	2/1976	Boucher	.
3,977,553	8/1976	Cornett, III et al.	.

4,018,222 4/1977 McAleer et al. .
4,046,145 9/1977 Choksi et al. .

(List continued on next page.)

FOREIGN PATENT DOCUMENTS

278032	12/1965	Australia	.
324257	7/1989	European Pat. Off.	.
350772	1/1990	European Pat. Off.	.
470700	4/1914	France	.
1316596	12/1962	France	.
1330410	5/1963	France	.
2058585	5/1971	France	.
2594687	8/1987	France	.
446819	7/1927	Germany	.
556491	8/1932	Germany	.
0577611	6/1933	Germany	.
3827335	2/1990	Germany	.
0279468	3/1952	Switzerland	.
0092396	10/1959	Switzerland	.
1553135	3/1990	U.S.S.R.	.
0386298	2/1933	United Kingdom	.
557400	11/1943	United Kingdom	.
WO 87/01944	4/1987	WIPO	.

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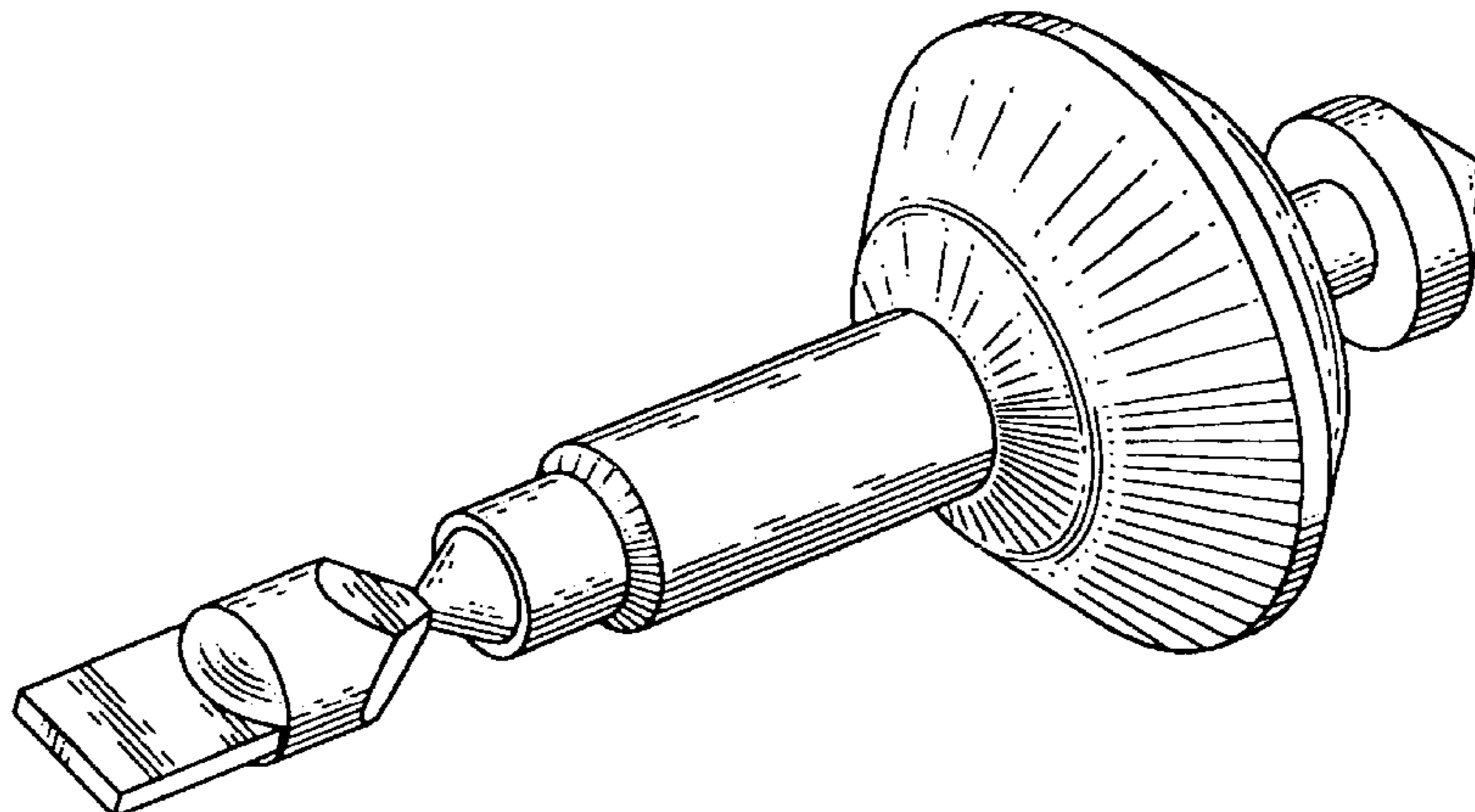
[57] CLAIM

The ornamental design for a syringe with air trap, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a syringe with air trap showing my new design.
FIG. 2 is a top view thereof, the bottom being a mirror image thereof.
FIG. 3 is a side view thereof, the opposite side being a mirror image thereof.
FIG. 4 is a rear view thereof.
FIG. 5 is a front view thereof.
FIG. 6 is a side partially evacuated view thereof.
FIG. 7 is a side fully evacuated view thereof; and,
FIG. 8 is a perspective view rearward of FIG. 7 showing a passageway completely closed.

1 Claim, 2 Drawing Sheets



U.S. PATENT DOCUMENTS

4,130,117	12/1978	Van Eck .	4,966,312	10/1990	Waring .
4,168,032	9/1979	Sneider .	4,994,039	2/1991	Mattson .
4,213,456	7/1980	Böttger .	5,035,689	7/1991	Schroeder .
4,248,227	2/1981	Thomas .	5,102,398	4/1992	Farris .
4,282,986	8/1981	af Ekenstam et al. .	5,215,221	6/1993	Dirksing .
4,357,937	11/1982	Burrell, Jr. et al. .	5,222,950	6/1993	Eisenberg .
4,411,656	10/1983	Cornett, III .	5,242,422	9/1993	Schneberger et al. .
4,465,472	8/1984	Urbaniak .	5,334,173	8/1994	Armstrong, Jr. .
4,502,616	3/1985	Meierhoefer .	5,356,406	10/1994	Schraga .
4,506,793	3/1985	MacGregor et al. .	5,370,626	12/1994	Farris .
4,548,601	10/1985	Lary .	5,374,263	12/1994	Weiler .
4,610,670	9/1986	Spencer .	5,409,125	4/1995	Kimber et al. .
4,643,309	2/1987	Evers .	5,478,322	12/1995	Farris et al. .
4,753,638	6/1988	Peters .	5,509,906	4/1996	Poynter .
4,883,473	11/1989	Thomas .	5,538,506	7/1996	Farris et al. .
4,944,736	7/1990	Holtz .	5,609,580	3/1997	Kwiatkowski et al. 604/212
4,955,871	9/1990	Thomas .	5,716,346	2/1998	Farris .

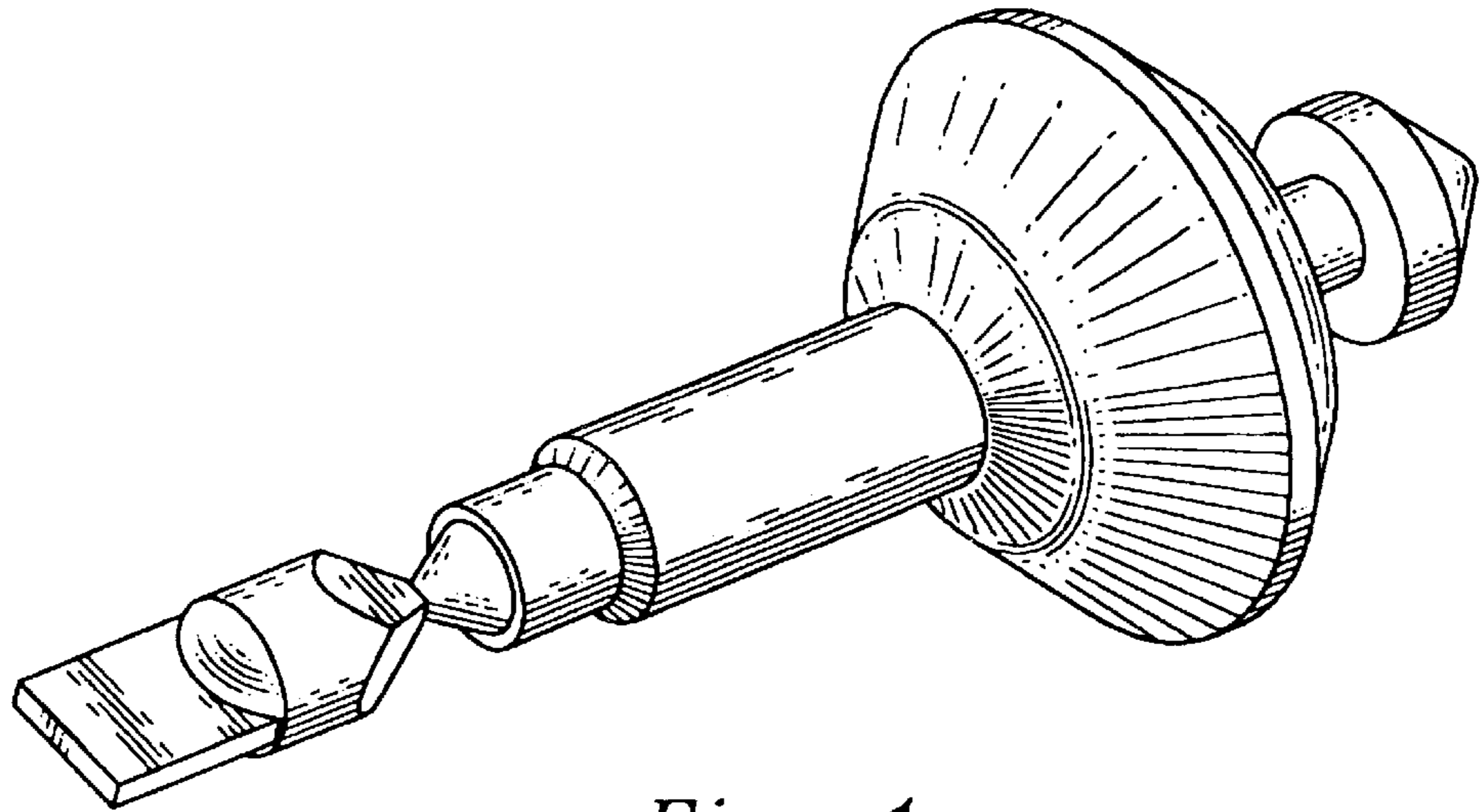


Fig. 1

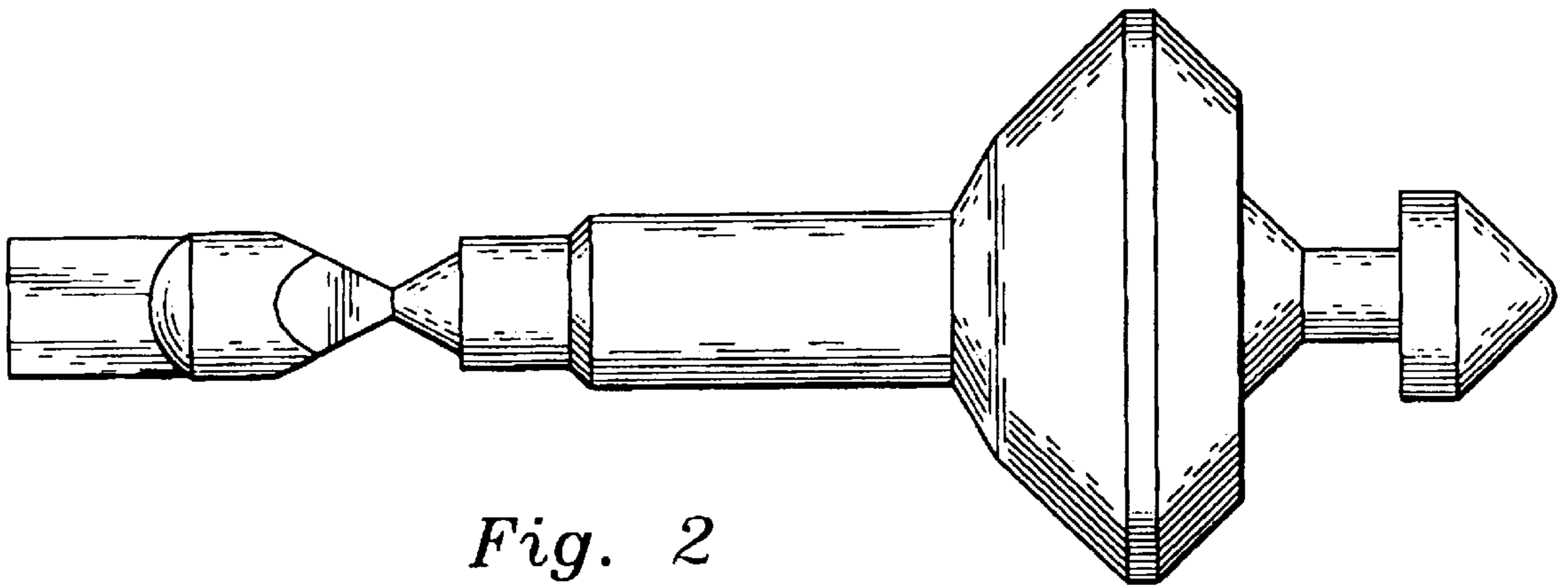


Fig. 2

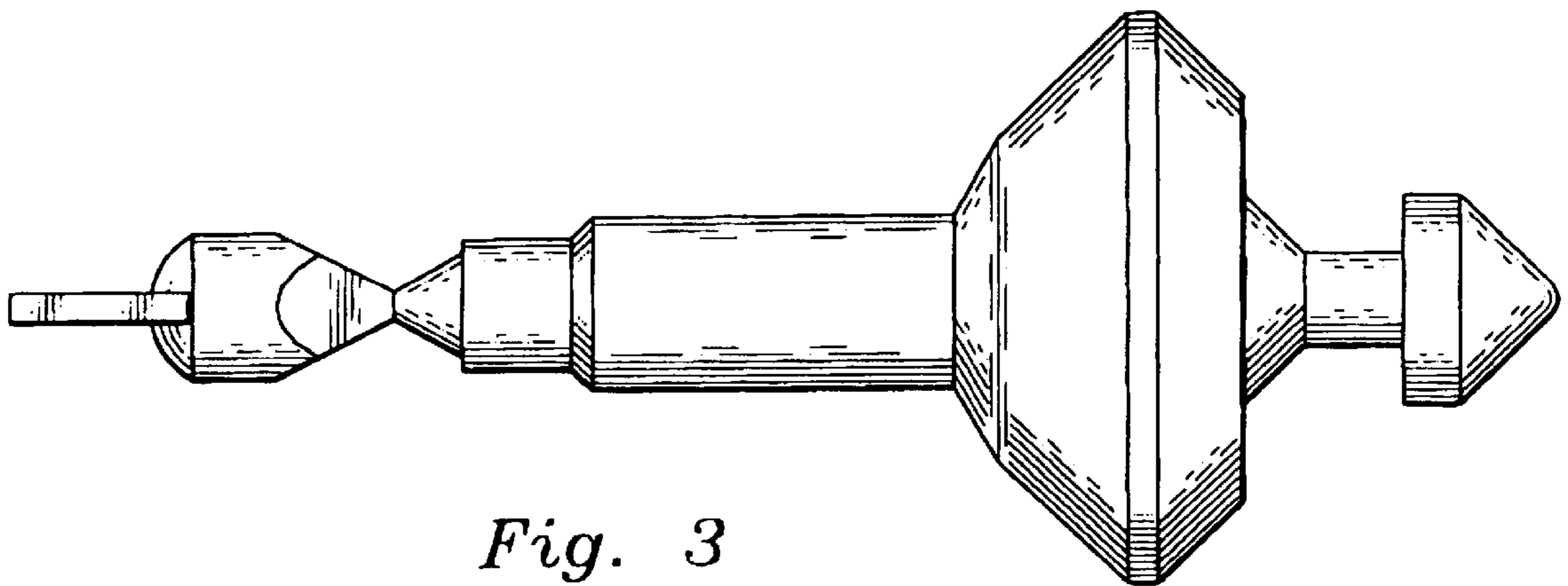


Fig. 3

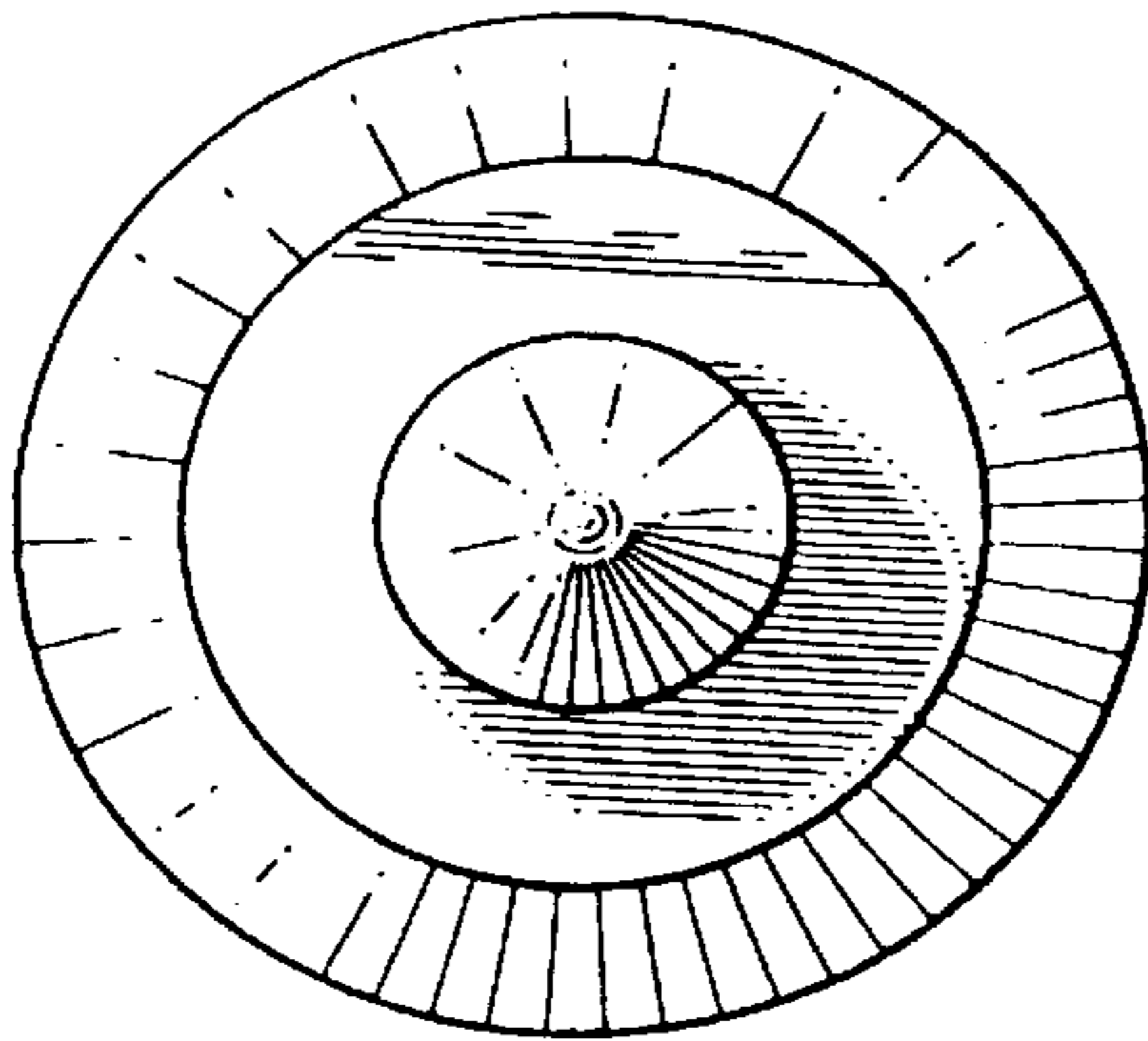


Fig. 4

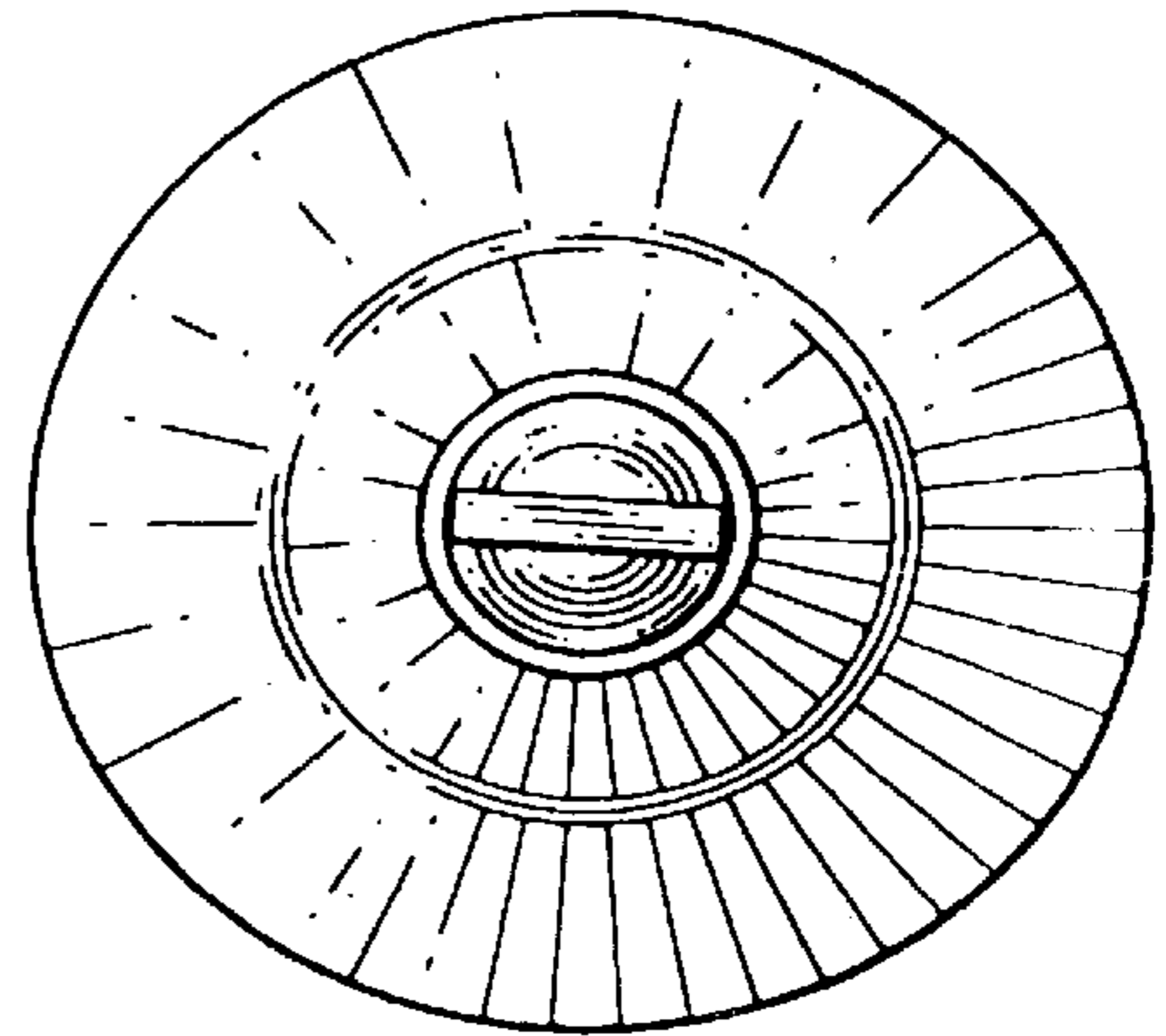


Fig. 5

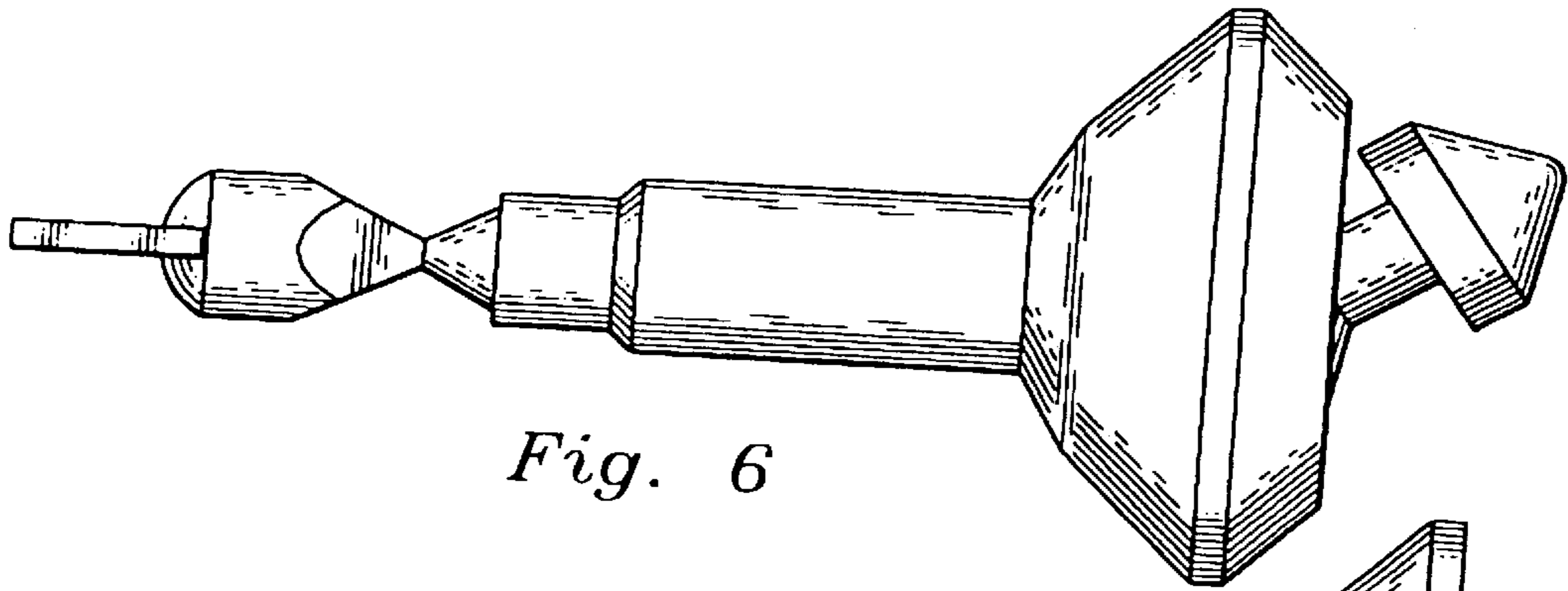


Fig. 6

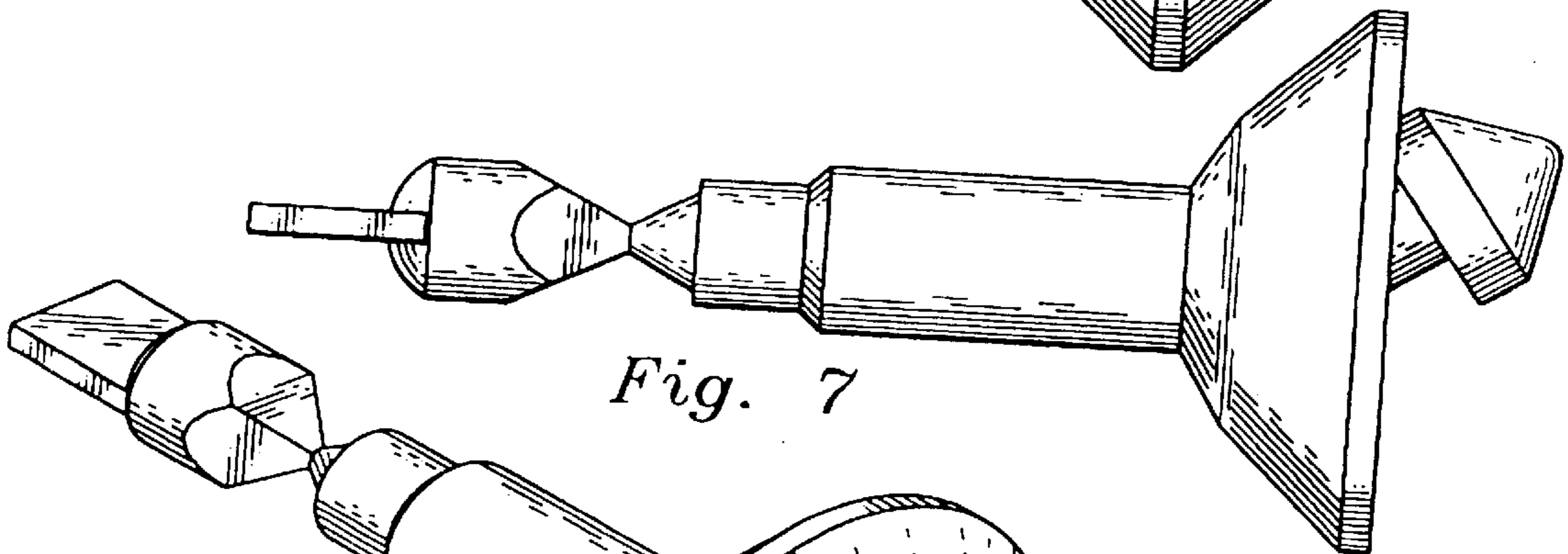


Fig. 7

Fig. 8

