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(12) **United States Design Patent** (10) **Patent No.:** **US D813,974 S**
Peterson (45) **Date of Patent:** **** Mar. 27, 2018**

(54) **CARTRIDGE WITH AN ENHANCED BALL ROUND**

FOREIGN PATENT DOCUMENTS

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AT 264322 8/1968
AT 334787 2/1977

(Continued)

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OTHER PUBLICATIONS

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“Before 2014” SP-10 armor piercing pistol ammunition down-
loaded from the internet at [http://modernfirearms.net/ammunition/
russian-special-cartridges-e.html](http://modernfirearms.net/ammunition/russian-special-cartridges-e.html).

(**) Term: **15 Years**

(Continued)

(21) Appl. No.: **29/544,894**

Primary Examiner — Michael A Pratt

(22) Filed: **Nov. 6, 2015**

(74) *Attorney, Agent, or Firm* — Christensen, Fonder,
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(51) **LOC (11) Cl.** **22-16**

(52) **U.S. Cl.**

(57) **CLAIM**

USPC **D22/116**

The ornamental design for a cartridge with an enhanced ball round, as shown and described.

(58) **Field of Classification Search**

USPC D22/115–116

CPC F42B 30/02; F42B 5/02; F42B 5/26; F42B

12/34; F42B 8/04; F42B 10/22; F42B

8/14; F41A 9/83; F41A 9/82; F41A 9/01;

F41A 9/09; F41A 9/86

See application file for complete search history.

DESCRIPTION

FIG. 1 is a front side elevational view of a cartridge with an enhanced ball round according to an embodiment of the invention. The view from the opposite side being identical thereto.

FIG. 2 is a front side perspective view of the cartridge with an enhanced ball round of FIG. 1. The view from the opposite side being identical thereto.

FIG. 3 is a front side perspective view of the cartridge with an enhanced ball round of FIG. 1. The view from the opposite side being identical thereto.

FIG. 4 is a top plan view of the cartridge with an enhanced ball round of FIG. 1; and,

FIG. 5 is a cross sectional view of the forward portion of the cartridge with an enhanced ball round of FIG. 1 in order to illustrate clearly the exteriorly exposed shape of the forward portion. Only the exteriorly exposed surfaces are claimed. The internal features are not claimed.

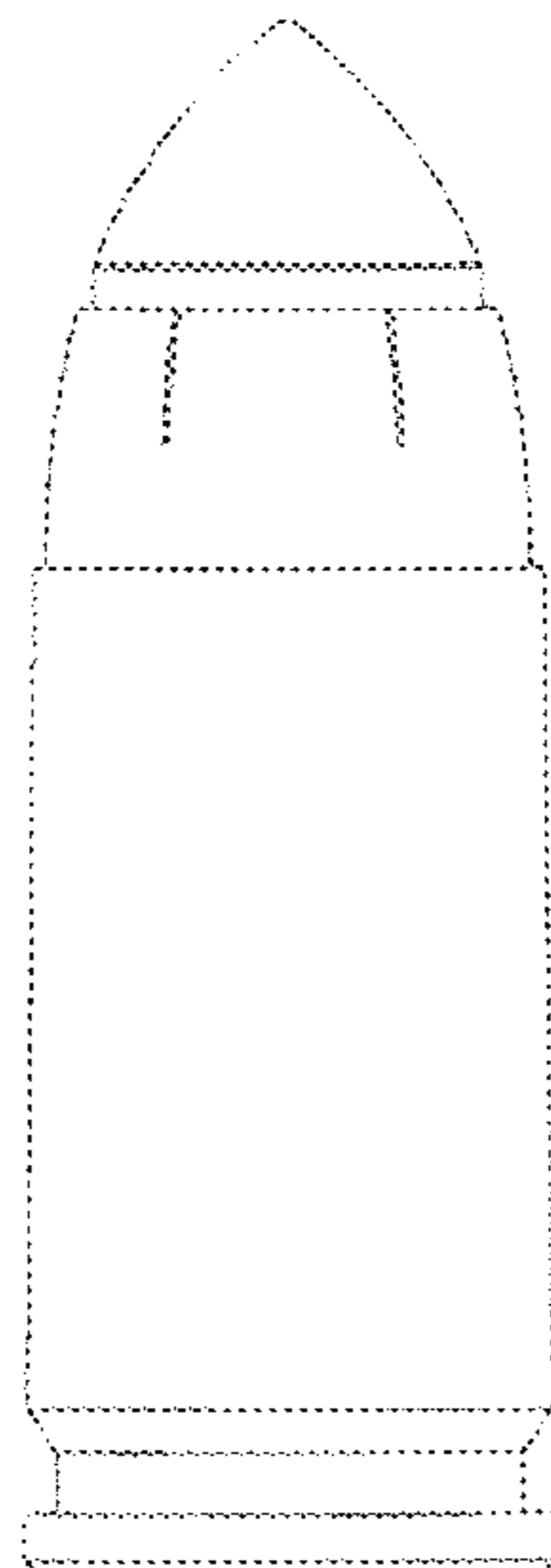
(56) **References Cited**

U.S. PATENT DOCUMENTS

29,272 A	7/1860	Hotchkiss	
36,197 A	8/1862	Shaler	
RE1,410 E	2/1863	Linder	
40,153 A	10/1863	Billings	
693,329 A	2/1902	Neubauer	
740,914 A	10/1903	Platz	
1,049,419 A	1/1913	Swett	
1,243,857 A	10/1917	Muenzenmaier	
1,709,414 A	4/1929	Stendebach	
1,967,416 A	4/1933	Leussler	
1,944,884 A *	1/1934	Gerlich F42B 12/34
			102/514

(Continued)

1 Claim, 2 Drawing Sheets



US D813,974 S

(56)

References Cited

U.S. PATENT DOCUMENTS

2,345,619	A	4/1944	Moore	
2,792,618	A	5/1957	Walker	
2,958,287	A	11/1960	Auxier	
3,003,420	A	10/1961	Nosler	
3,069,748	A	12/1962	Nosler	
3,154,016	A	10/1964	Frey	
3,173,371	A	3/1965	Manshel	
3,230,886	A	1/1966	Woodring	
3,282,214	A	11/1966	Briscoe	
3,357,357	A	12/1967	Voss	
3,442,205	A	5/1969	Stadler et al.	
3,616,758	A	11/1971	Komarov	
3,680,485	A	8/1972	Zaid	
3,720,170	A	3/1973	Godfrey	
3,756,158	A	9/1973	Anderson	
3,776,136	A *	12/1973	Dix F42C 19/0823 102/430
3,939,773	A	2/1976	Jenkins et al.	
4,112,846	A	9/1978	Gilbert et al.	
4,128,059	A	12/1978	Black	
4,517,898	A	5/1985	Davis et al.	
4,619,203	A	10/1986	Habbe	
4,753,172	A	6/1988	Katzmann	
4,777,883	A *	10/1988	Chevich F42B 10/34 102/503
4,884,508	A	12/1989	Kruse et al.	
5,175,392	A	12/1992	Denis	
5,206,024	A	4/1993	Peery et al.	
5,388,524	A	2/1995	Strandli et al.	
5,454,325	A	10/1995	LeBlanc	
5,621,186	A *	4/1997	Carter F42B 12/34 102/507
5,794,320	A	8/1998	Wernz et al.	
6,085,661	A	7/2000	Halverson et al.	
6,305,293	B1	10/2001	Fry et al.	
6,439,125	B1	8/2002	Carter	
6,546,875	B2	4/2003	Vaughn et al.	
6,629,485	B2	10/2003	Vaughn et al.	
6,817,299	B1	11/2004	Cooke	
D500,952	S *	1/2005	Moore D9/504
6,837,165	B2	1/2005	Eberhart et al.	
6,973,879	B1	12/2005	McElroy et al.	
7,150,233	B1	12/2006	Eberhart	
7,487,727	B2 *	2/2009	Eberhart F42B 12/74 102/510
7,607,394	B2	10/2009	Cesaroni	
7,748,325	B2	7/2010	Marx	
7,874,253	B2	1/2011	Marx	

8,082,850	B2	12/2011	Marx	
8,267,015	B2	9/2012	Marx	
8,776,424	B2 *	7/2014	Mirabile F41A 21/16 124/42
8,857,343	B2	10/2014	Marx	
9,360,287	B2 *	6/2016	Emary F42B 12/02
9,470,494	B2	10/2016	Marx	
2002/0178963	A1	12/2002	Halverson	
2007/0017409	A1	1/2007	Mansfield et al.	
2009/0293754	A1	12/2009	Riess et al.	
2016/0273896	A1 *	9/2016	Emary F42B 12/02

FOREIGN PATENT DOCUMENTS

DE	370908	3/1923
DE	583 097	8/1933
DE	2 223 212	11/1973
DE	25 35 704	2/1977
DE	36 38 721	5/1987
DE	38 02 002	8/1989
DE	40 24 543	2/1992
DE	197 11 344	9/1997
DE	10 2011 108 758	1/2013
EP	0225 532	6/1987
FR	1166011	11/1958
FR	1240110	9/1960
FR	2202275	5/1974
FR	2356906	1/1978
FR	2428229	1/1980
FR	2540239	8/1984
FR	2662789	12/1991
FR	2802296	6/2001
FR	2865272	7/2005
GB	3921	0/1905
GB	6588	0/1897
GB	8301	0/1910
GB	9876	0/1908
GB	115476	5/1918
RU	2003033	11/1993
WO	WO 97/20185	6/1997
WO	WO 01/18483	3/2001
WO	WO 01/20244	3/2001
WO	WO 02/086412	10/2002

OTHER PUBLICATIONS

“U.S. Army Places Huge Order for New M855A1 Ammo” downloaded from the internet at <http://bulletin accurateshooter.com/tag/m855a1/> (Oct. 26, 2010).

* cited by examiner

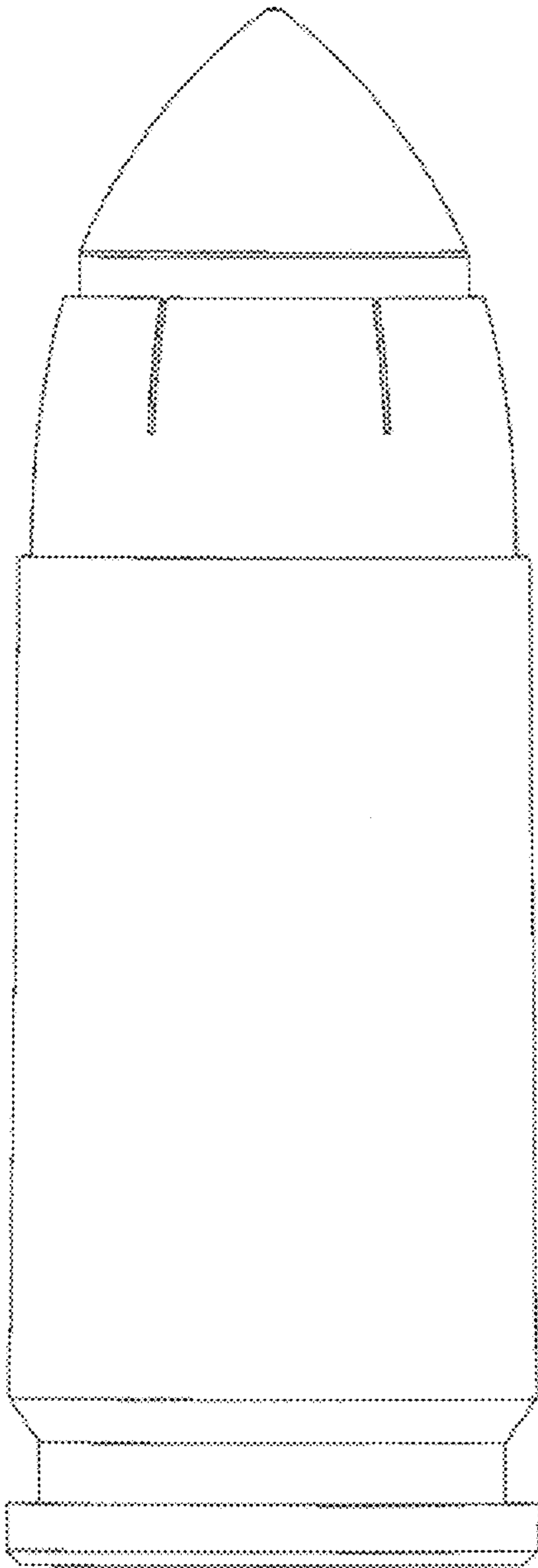


Fig. 1

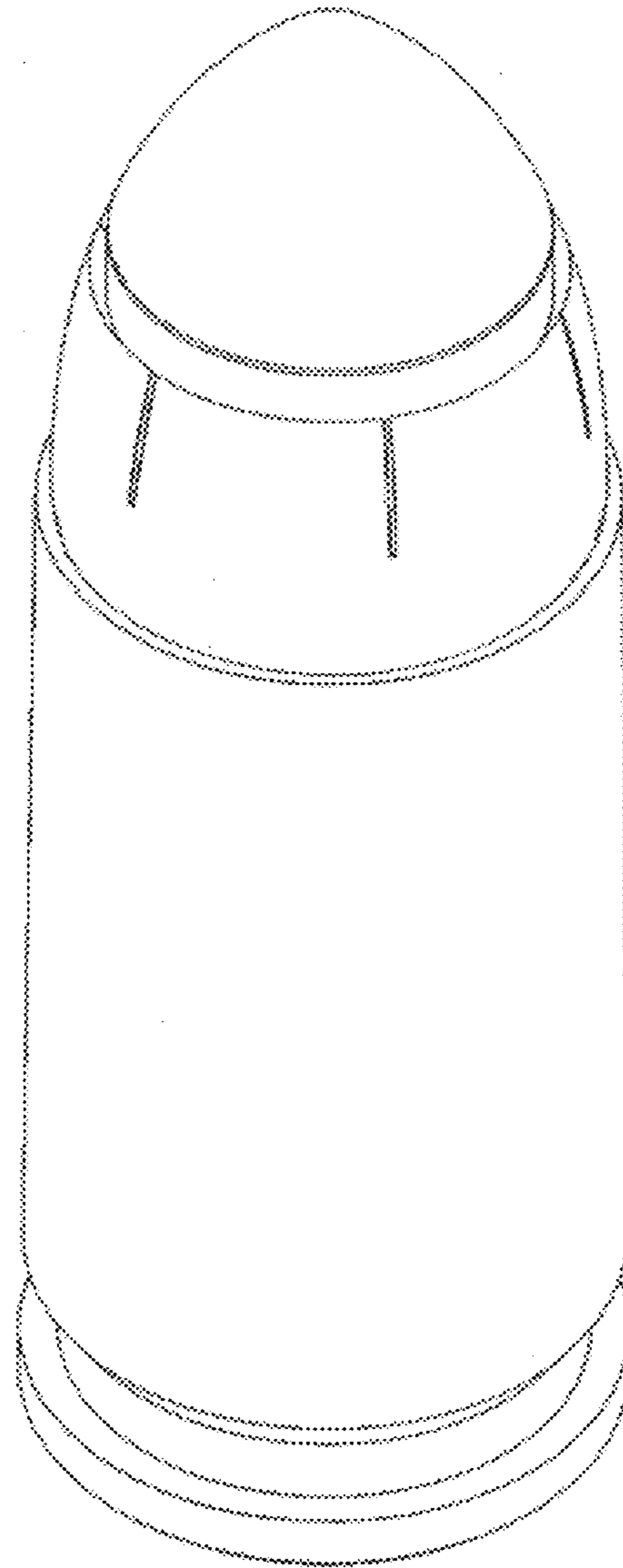


Fig. 2

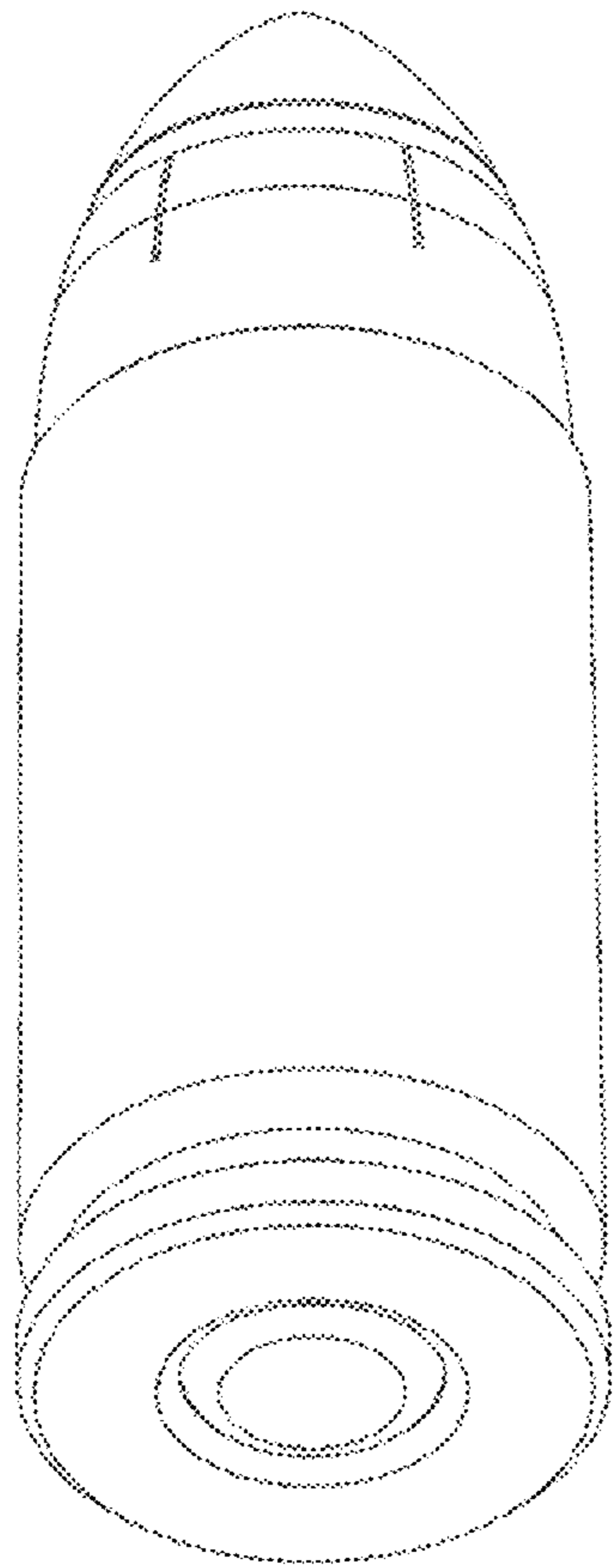


Fig. 3

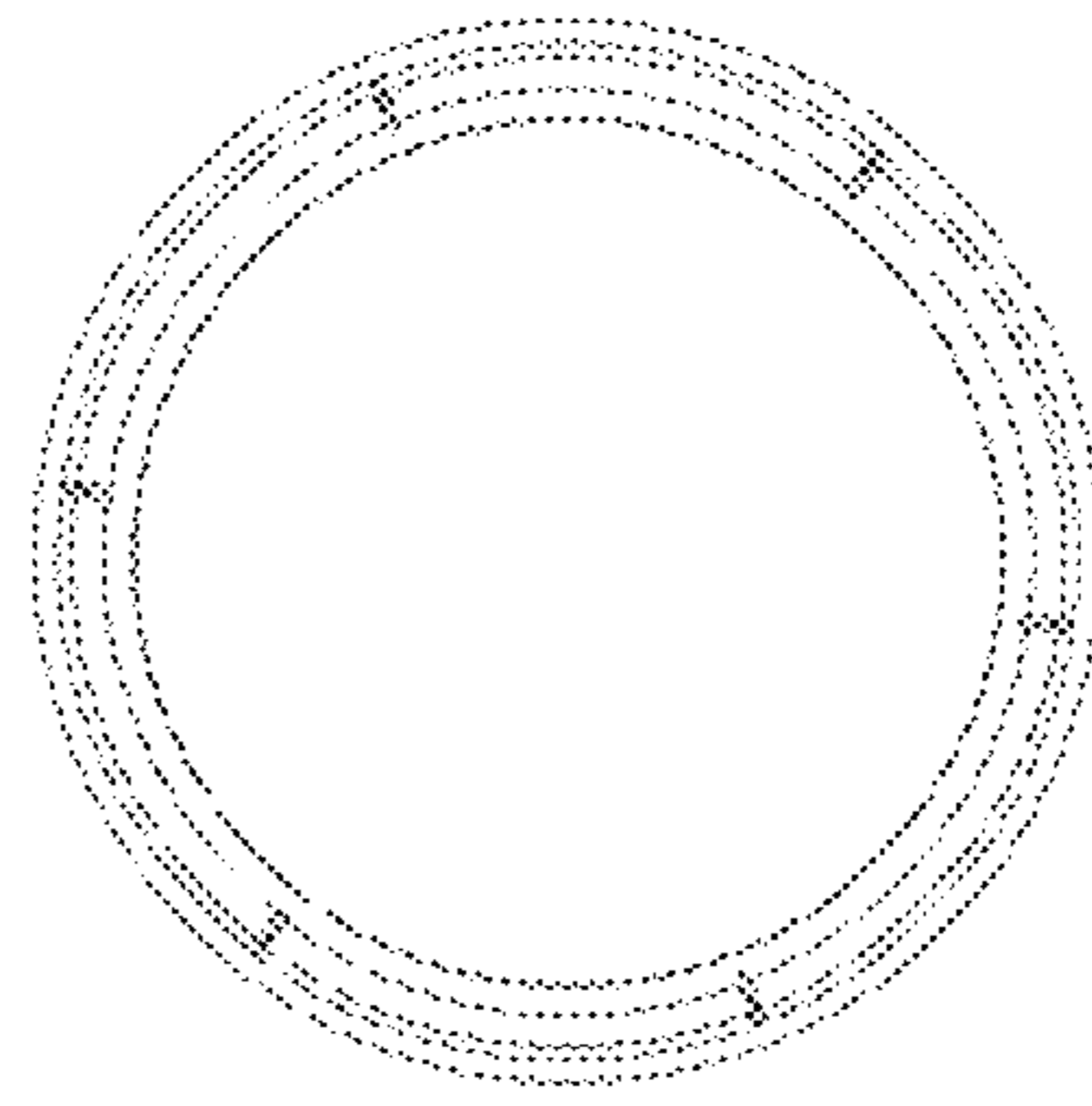


Fig. 4

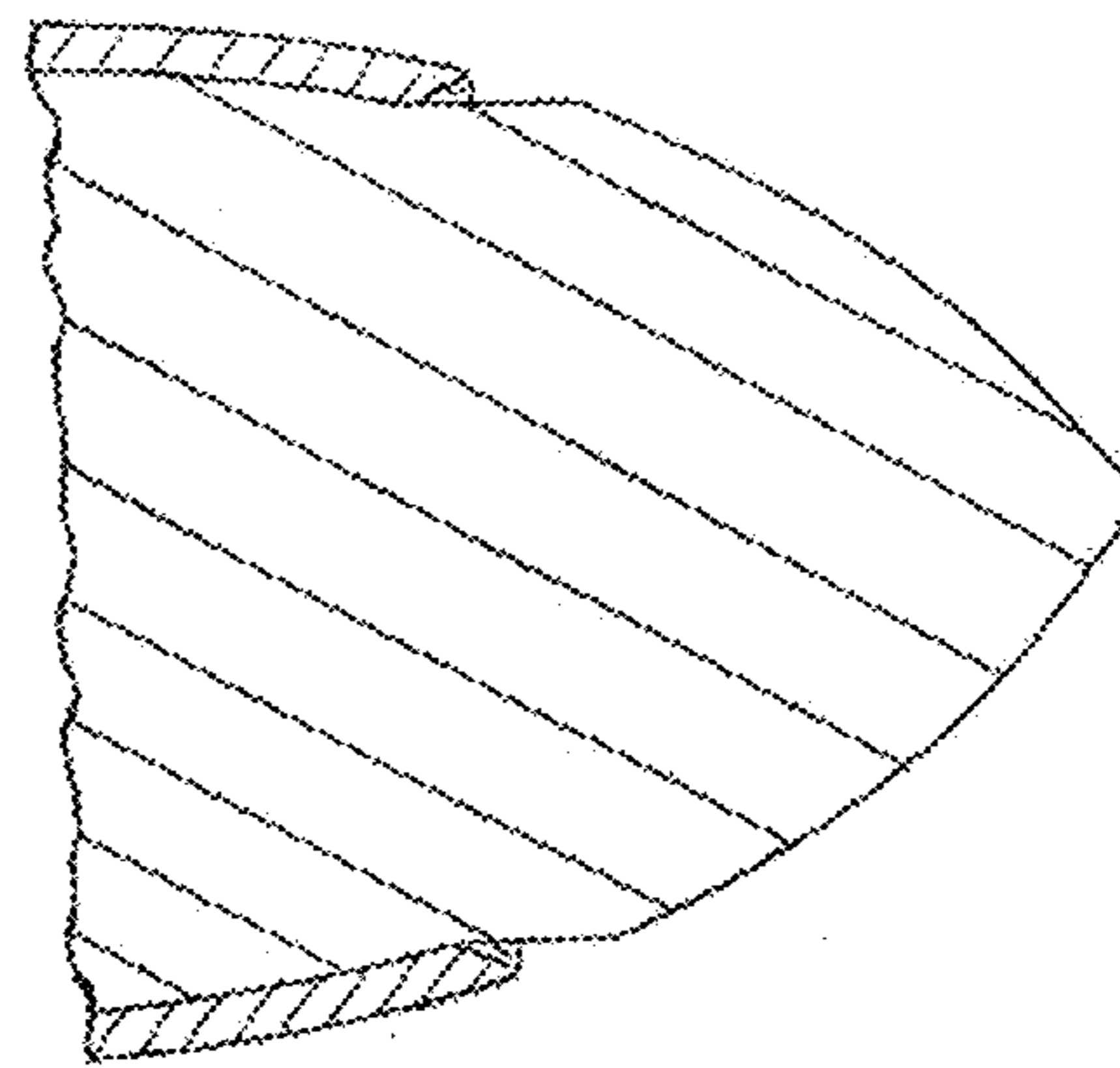


Fig. 5