

US00D496145S1

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

(10) **Patent No.:** **US D496,145 S**  
(45) **Date of Patent:** **\*\* Sep. 21, 2004**

(54) **CAP HAVING EMBEDDED COOLING SYSTEM WITH CONVECTIVE/ CONDUCTIVE COOLANT TUBES AND REMOVABLE GEL PACK**

(76) **Inventor:** **Gregory W. Lacey, R.R. 1, Box 139J, Hot Springs, SD (US) 57747**

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

(21) **Appl. No.:** **29/179,517**

(22) **Filed:** **Apr. 11, 2003**

(51) **LOC (7) Cl.** ..... **02-03**

(52) **U.S. Cl.** ..... **D2/866; D2/882**

(58) **Field of Search** ..... **D2/865, 866, 872, D2/876, 879, 882; 2/171, 181, 195.1, 171.2, 209.12, 209.13, 7, 247; 607/110**

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D160,404 S	*	10/1950	Levine	.....	2/195.1
4,451,935 A	*	6/1984	Henschel	.....	2/209.13
4,551,857 A		11/1985	Galvin		
4,648,130 A		3/1987	Kuznetz		
D333,375 S	*	2/1993	Ouellette	.....	D2/866
5,327,585 A	*	7/1994	Karlan	.....	2/7
5,395,400 A		3/1995	Stafford et al.		
D367,156 S	*	2/1996	Dunlavey	.....	D2/866
5,557,807 A	*	9/1996	Hujar et al.	.....	2/171.2

5,572,745 A	*	11/1996	Mainus	.....	2/171.2
5,715,533 A	*	2/1998	Stein	.....	607/110
5,956,759 A	*	9/1999	Benedict	.....	2/7
6,032,291 A		3/2000	Asenguah et al.		
6,110,080 A	*	8/2000	Niv	.....	2/171.2
D443,406 S	*	6/2001	Jebaily	.....	D2/882
D456,118 S	*	4/2002	Hill	.....	D2/866

\* cited by examiner

*Primary Examiner*—Mimosa De

(74) *Attorney, Agent, or Firm*—Donald R. Schoonover

(57) **CLAIM**

I claim the ornamental design for a cap having embedded cooling system with convective/conductive coolant tubes and removable gel pack, as shown and described.

**DESCRIPTION**

FIG. 1 is a top, rear and side perspective view of a cap having embedded cooling system with convective/conductive coolant tubes and removable gel pack showing my new design;

FIG. 2 is a rear elevational view thereof;

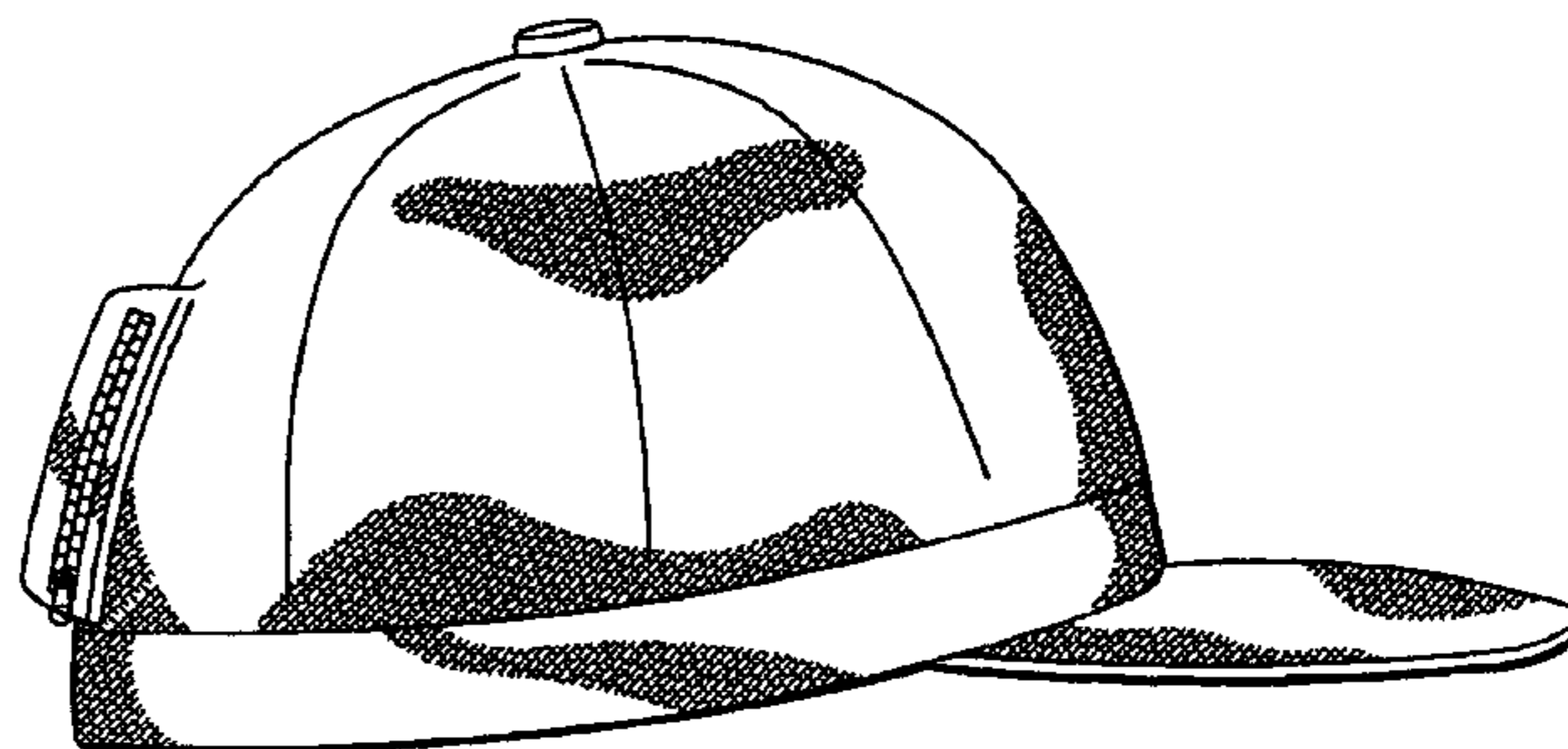
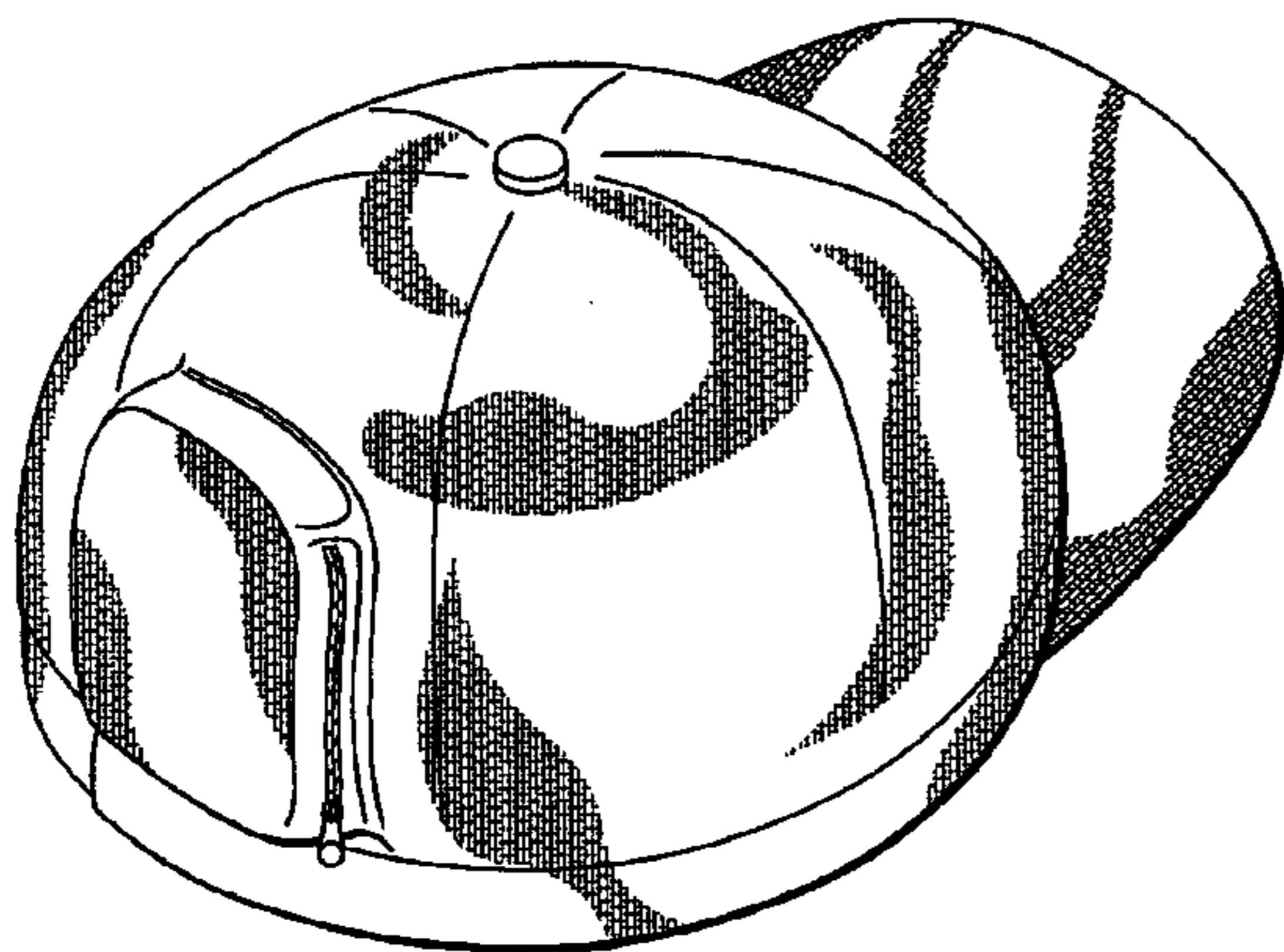
FIG. 3 is a right side elevational view thereof, the left side elevational view being a mirror image thereof;

FIG. 4 is a bottom, rear and side perspective view thereof;

FIG. 5 is a bottom plan view thereof; and,

FIG. 6 is a cross sectional view thereof, taken along line 6—6 of FIG. 5.

**1 Claim, 3 Drawing Sheets**



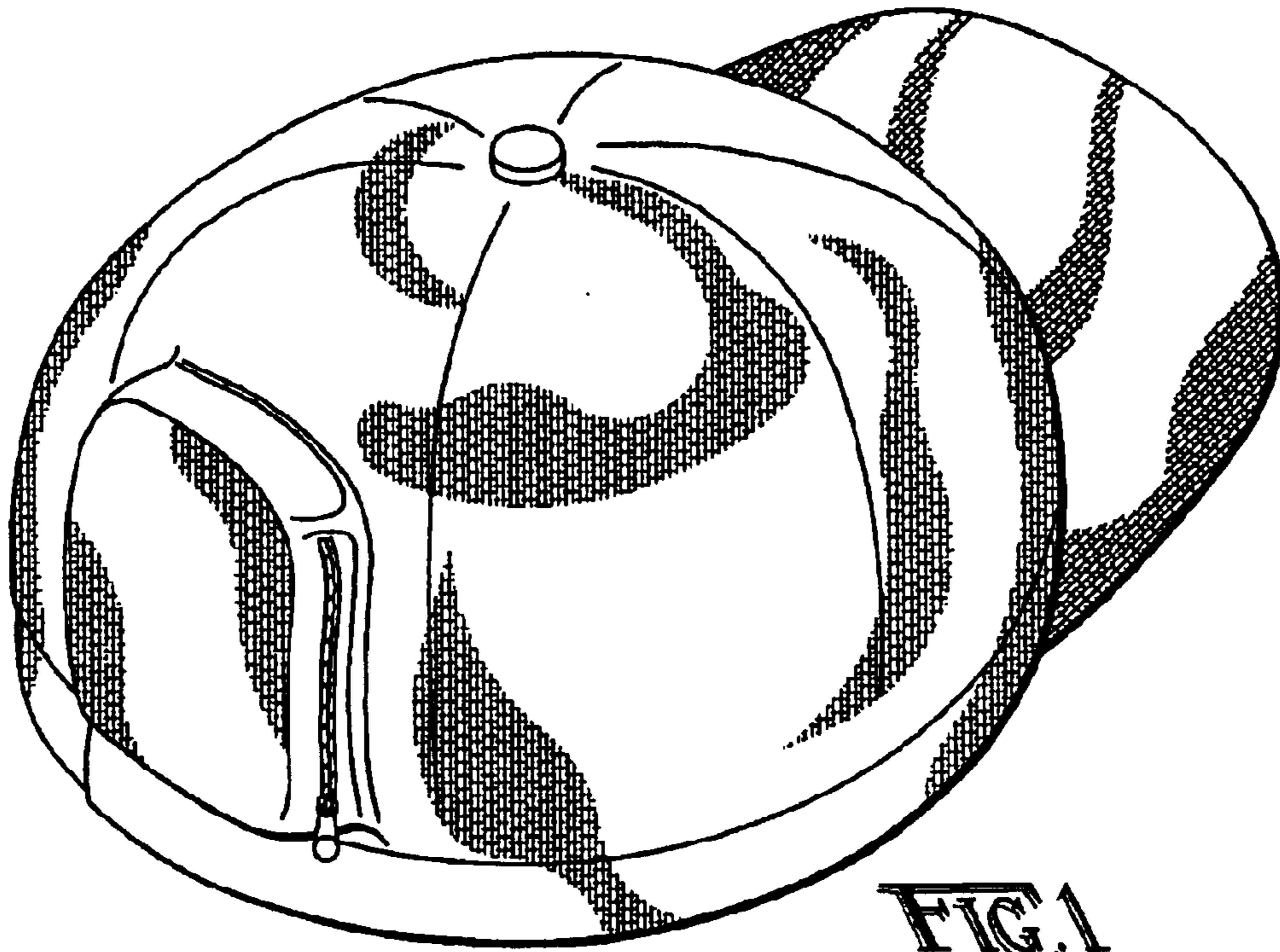


FIG. 1

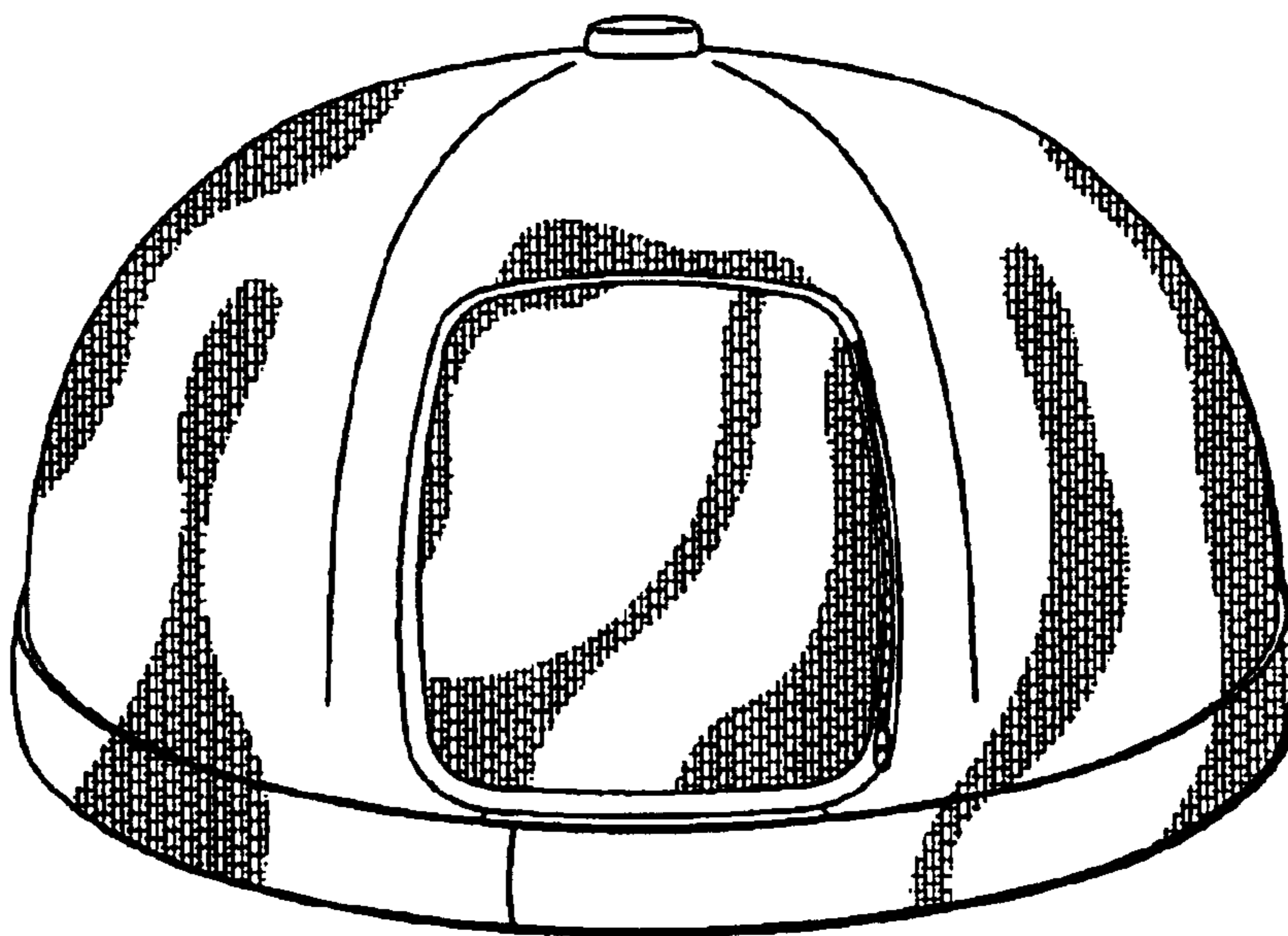


FIG. 2

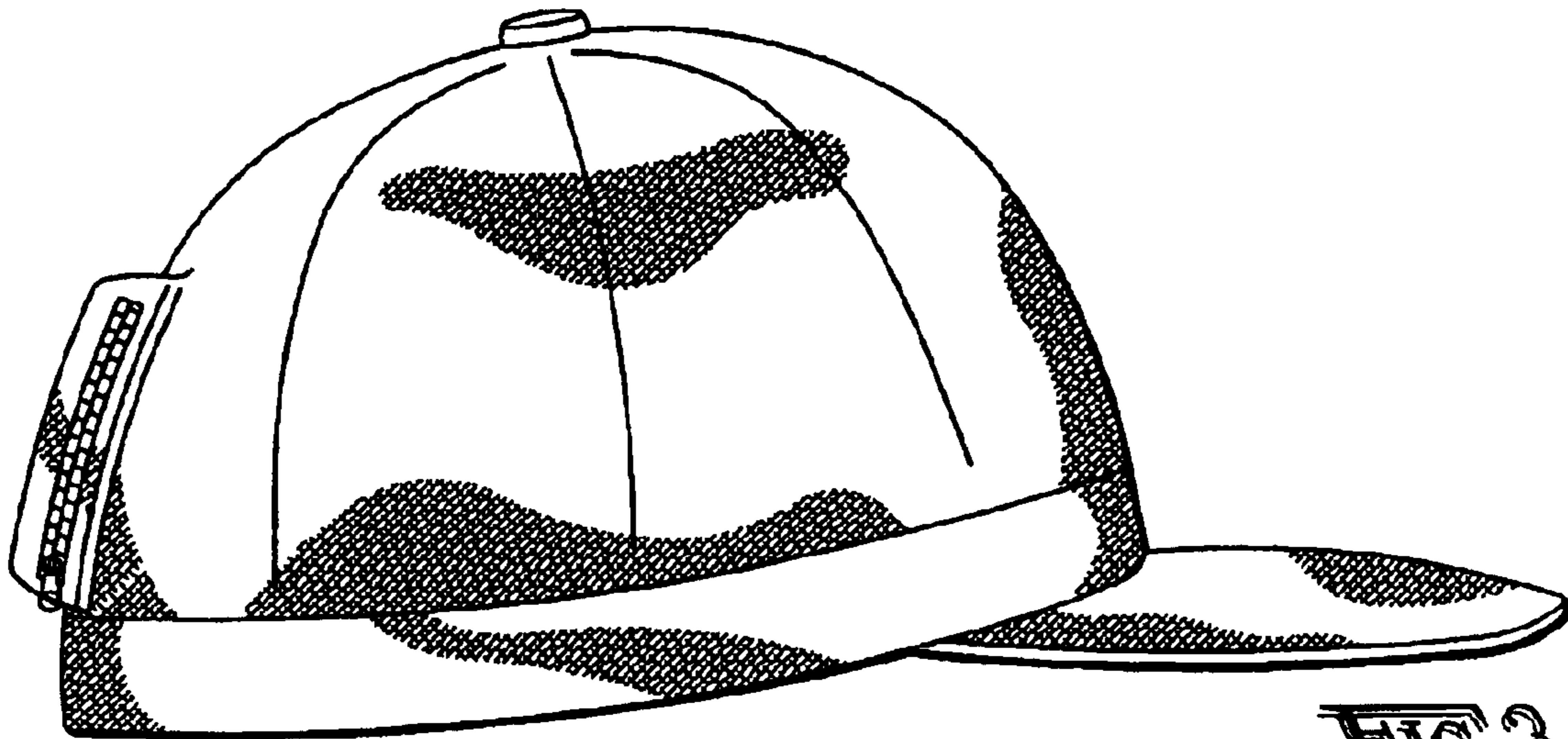


FIG. 3

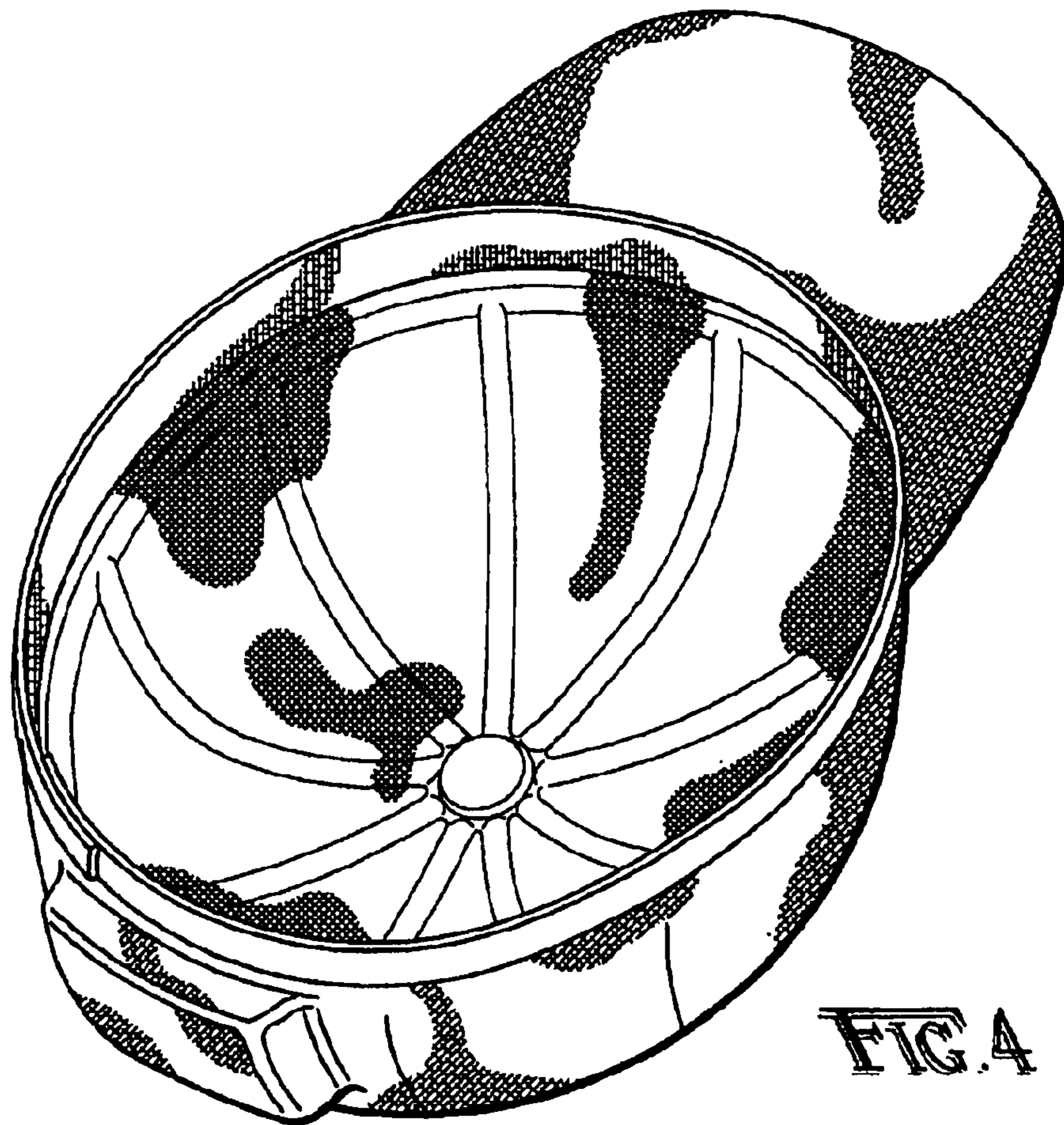


FIG. 4

