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(12) **United States Design Patent** (10) **Patent No.:** **US D814,708 S**
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(54) **QUATERNARY SECTIONAL HELMET WITH PLANAR SPRINGS**

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

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(51) **LOC (11) Cl.** **29-02**

(52) **U.S. Cl.**
USPC **D29/122**

(58) **Field of Classification Search**
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D29/109, 110, 122
CPC .. A42B 1/066; A42B 1/00; A42B 1/06; A42B
3/228; A42B 3/00; A42B 3/08; A42B
3/32; A42B 3/222; A42B 3/20; A42B
3/227; A42B 3/105; A42B 3/04; A42B
3/06; A42B 3/0406; A42B 3/18; A42B
3/166; A42B 3/16; A42B 3/22; A42B
3/0473; A42B 3/127; A63B 71/10; A63B
71/105; A41D 13/0512
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,819,318 A * 10/1998 Tse A42B 1/22
2/10
6,378,140 B1 * 4/2002 Abraham A42B 3/064
2/411
D521,191 S * 5/2006 Berger D29/122

D570,055 S * 5/2008 Ferrara D29/122
8,572,767 B2 * 11/2013 Bryant A42B 3/328
2/171.1
8,881,315 B2 11/2014 Desjardins et al.
9,314,061 B2 4/2016 Hanson et al.
9,314,062 B2 * 4/2016 Marz A42B 3/12
9,314,063 B2 4/2016 Bologna et al.
9,408,423 B2 8/2016 Guerra
9,549,582 B2 1/2017 Phipps et al.
9,578,917 B2 * 2/2017 Cohen A42B 3/063
2015/0135413 A1 * 5/2015 Mayerovitch A42B 3/125
2/414
2016/0029730 A1 2/2016 Day
2017/0050593 A1 2/2017 Phipps et al.

* cited by examiner

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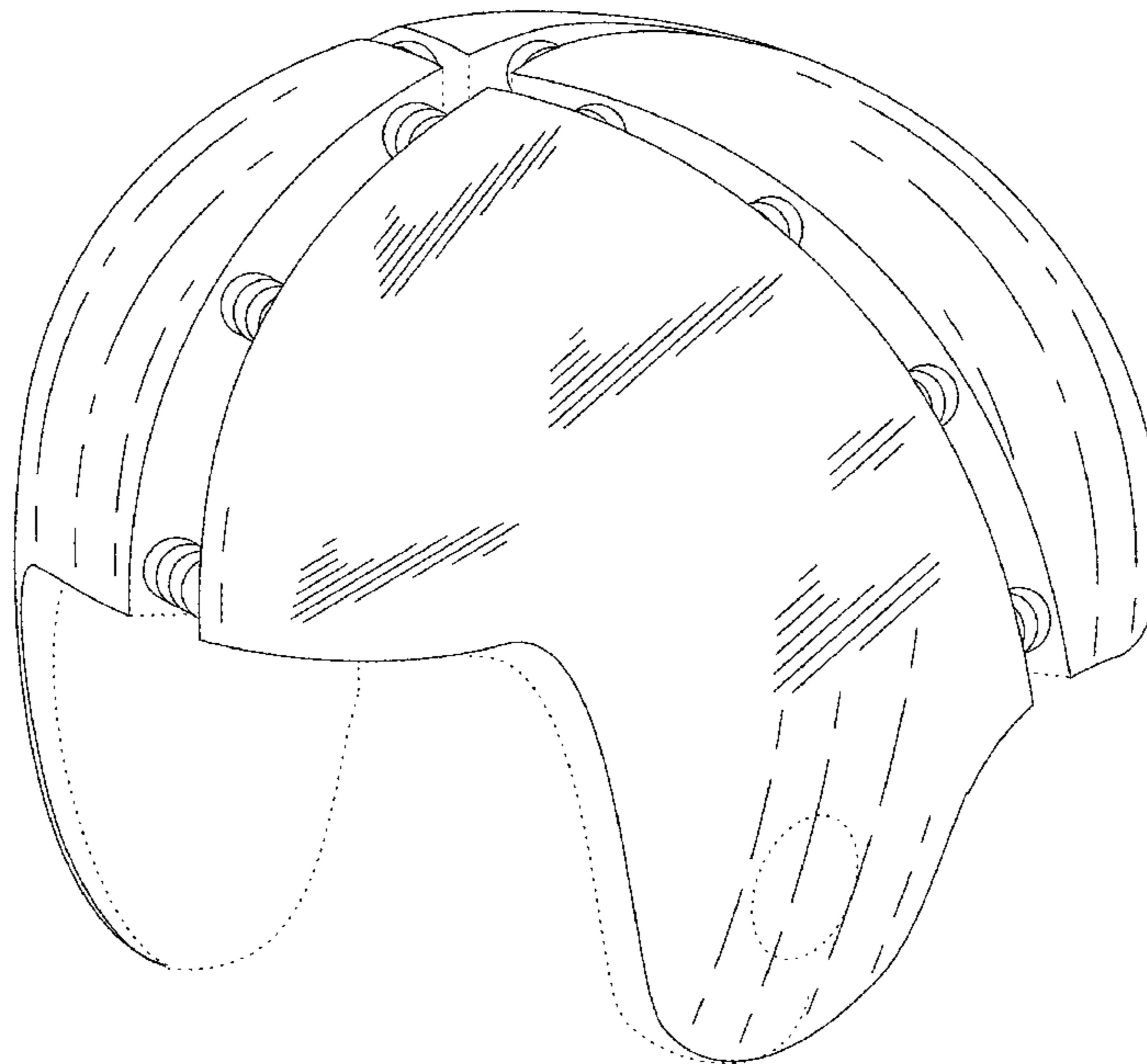
(57) **CLAIM**

The ornamental design for a quaternary sectional helmet with planar springs, as shown.

DESCRIPTION

FIG. 1 is a perspective view showing our new design for a quaternary sectional helmet with planar springs; FIG. 2 is a left side elevational view thereof; FIG. 3 is a right side elevational view thereof; FIG. 4 is a front elevational view thereof; FIG. 5 is a rear elevational view thereof; FIG. 6 is a top plan view thereof; and, FIG. 7 is an underside view of the top elevation thereof. In the drawings, the broken lines showing portions of a helmet depict environmental subject matter only and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



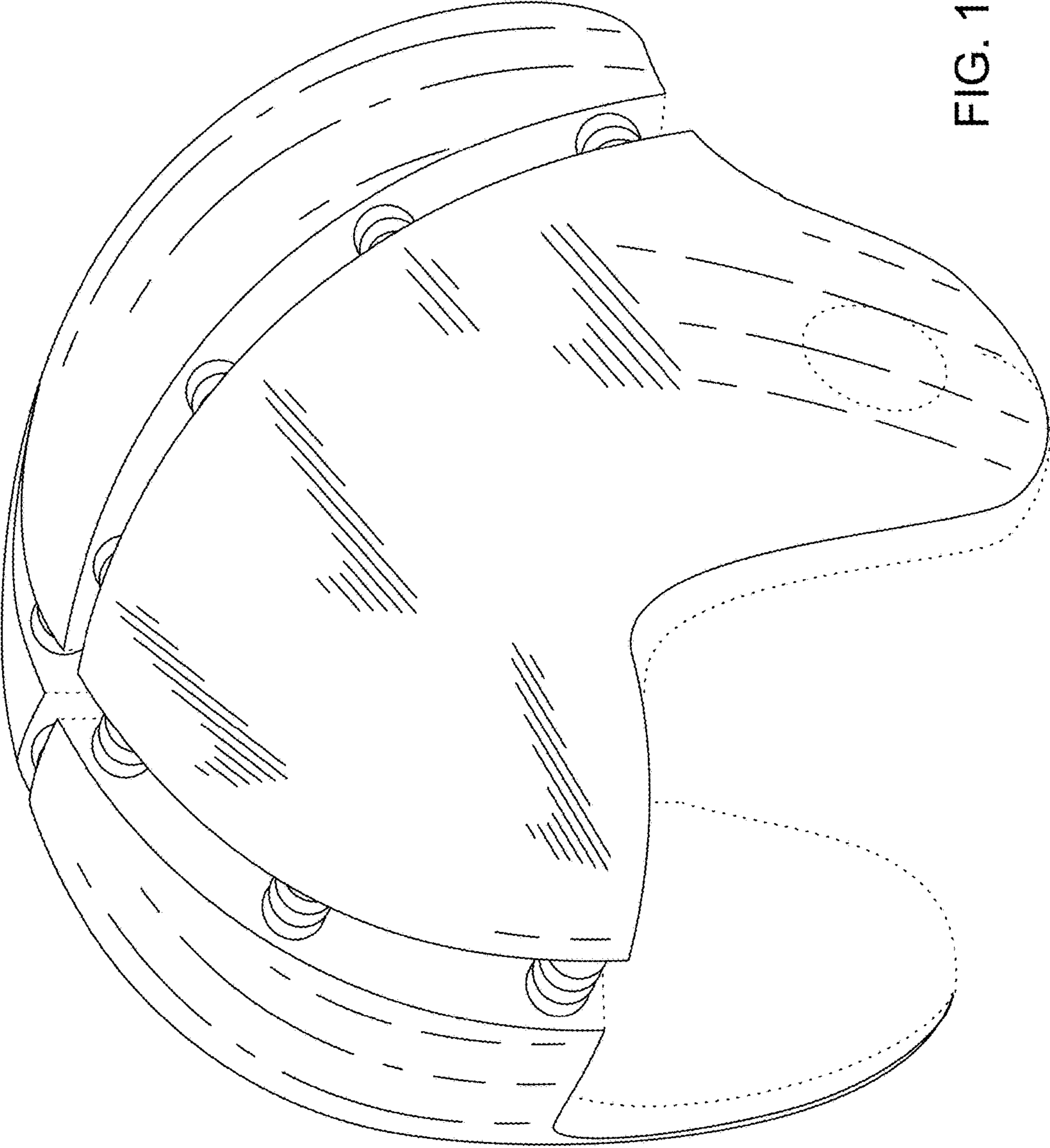


FIG. 1

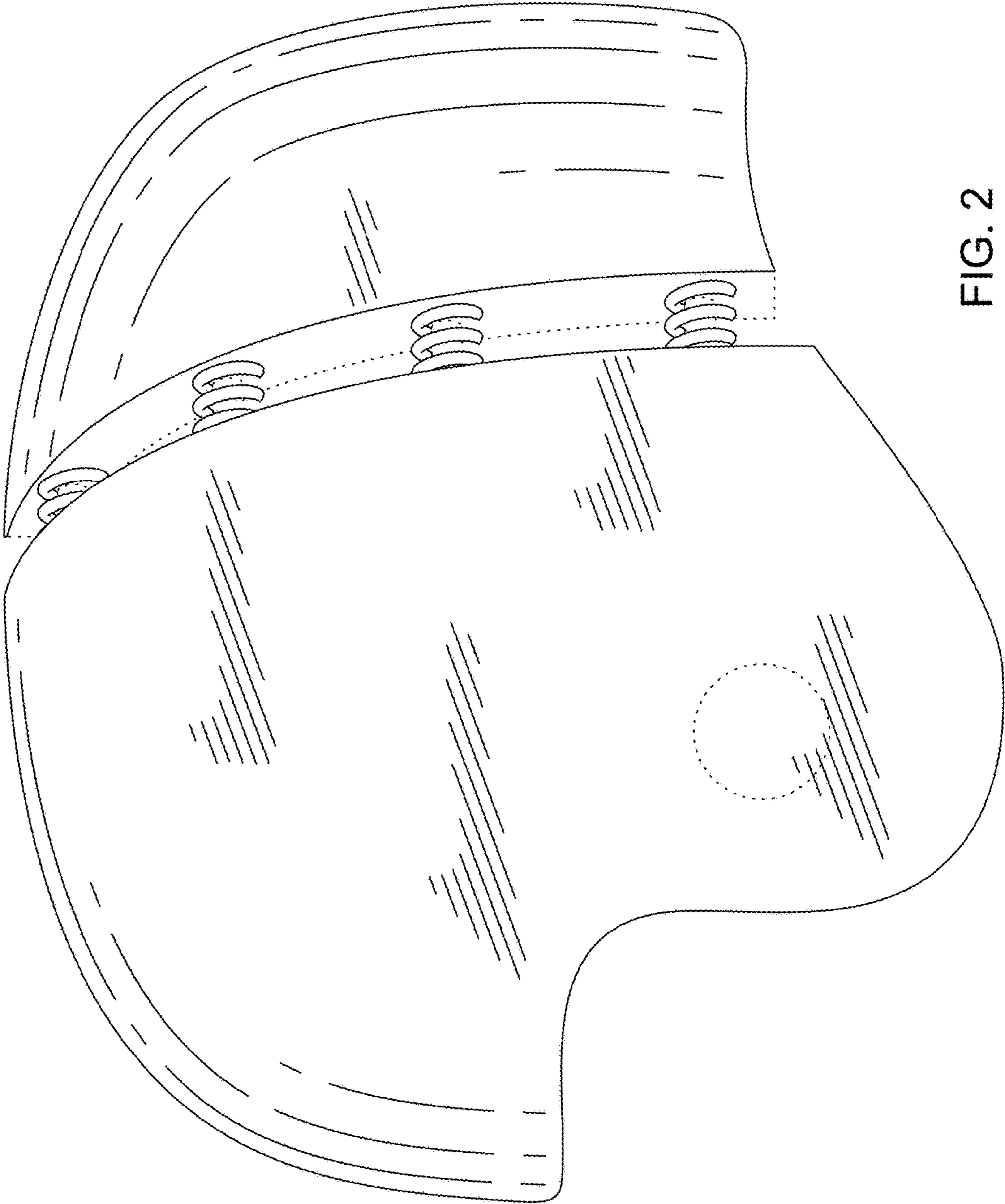


FIG. 2

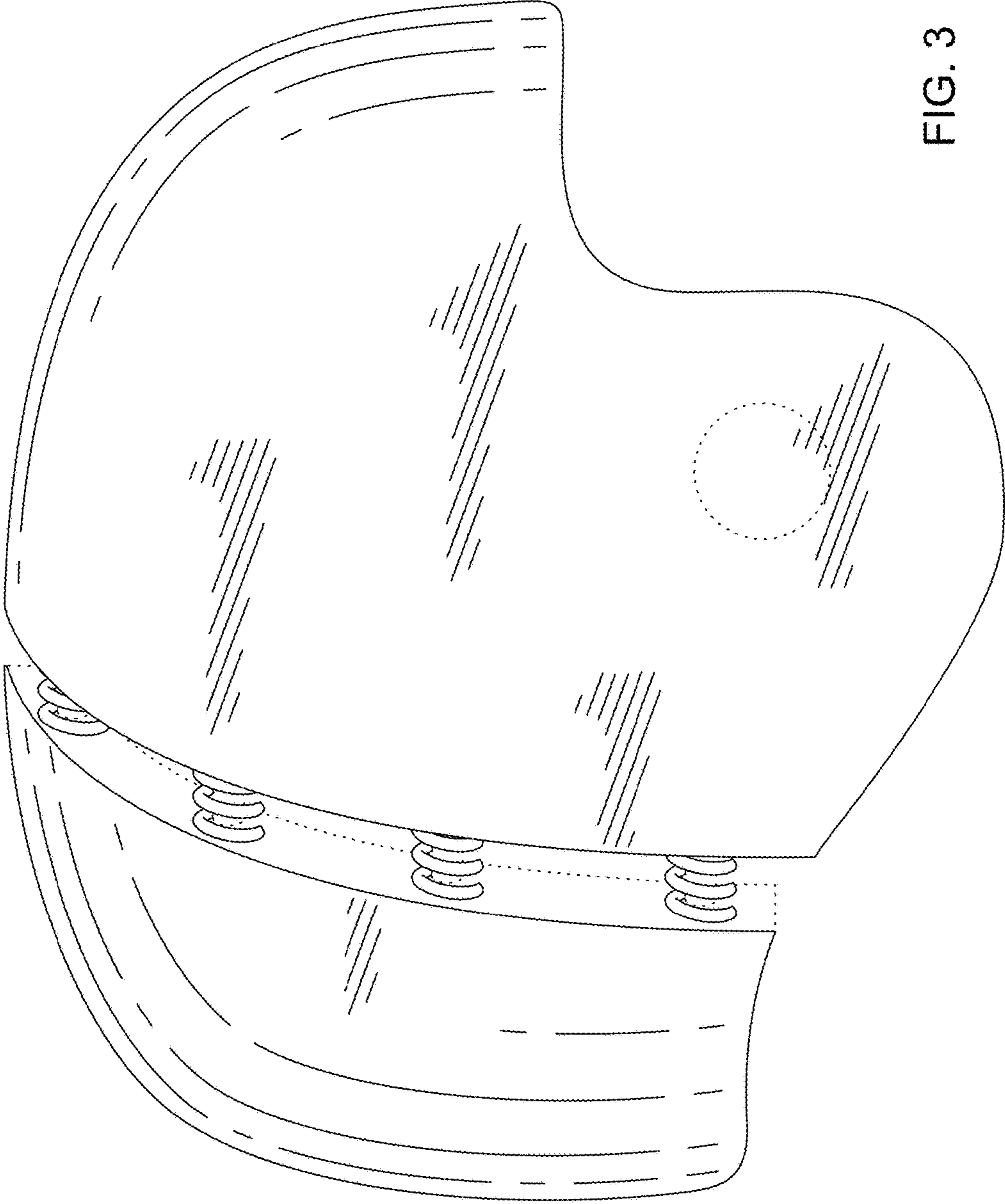


FIG. 3

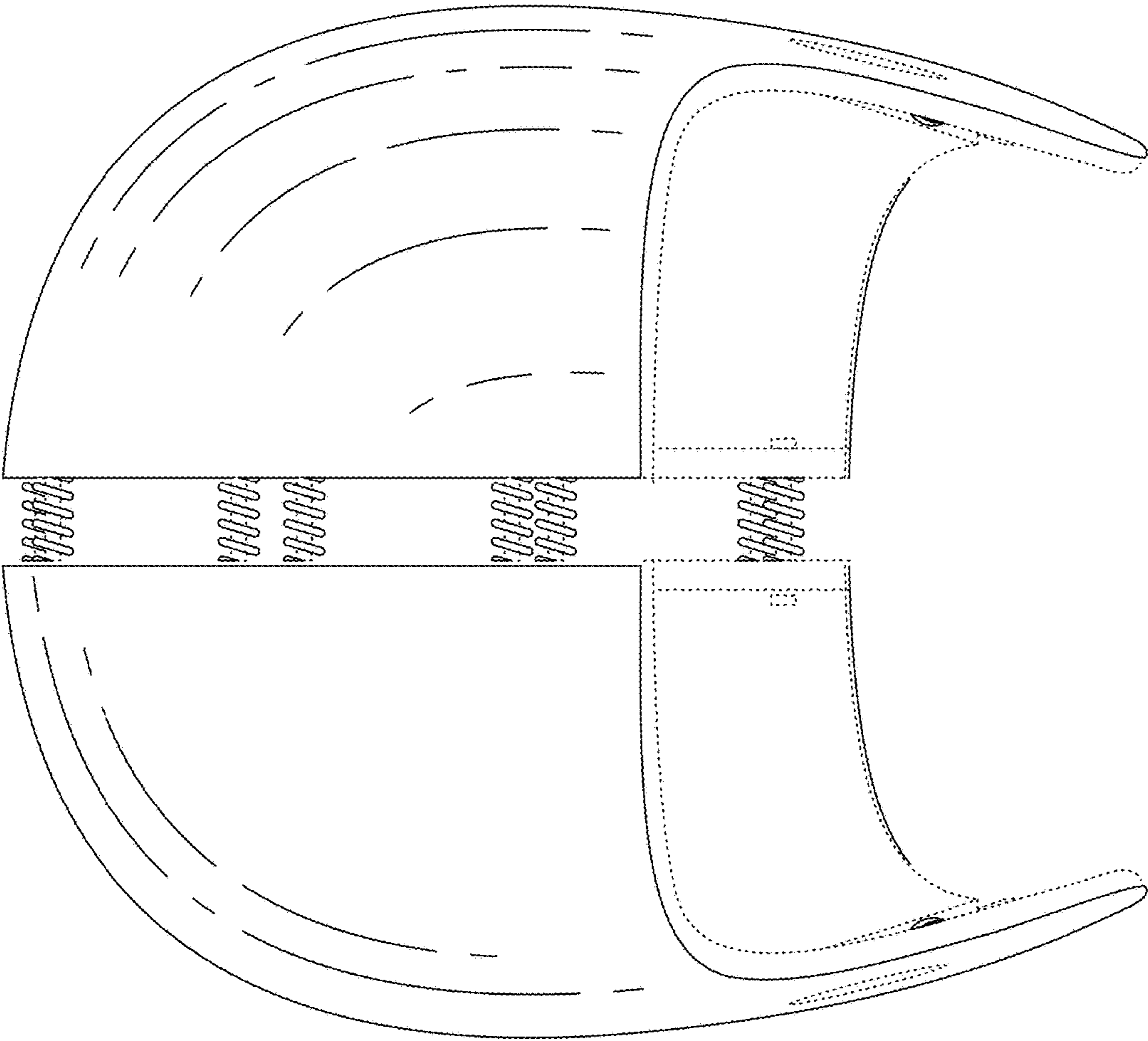


FIG. 4

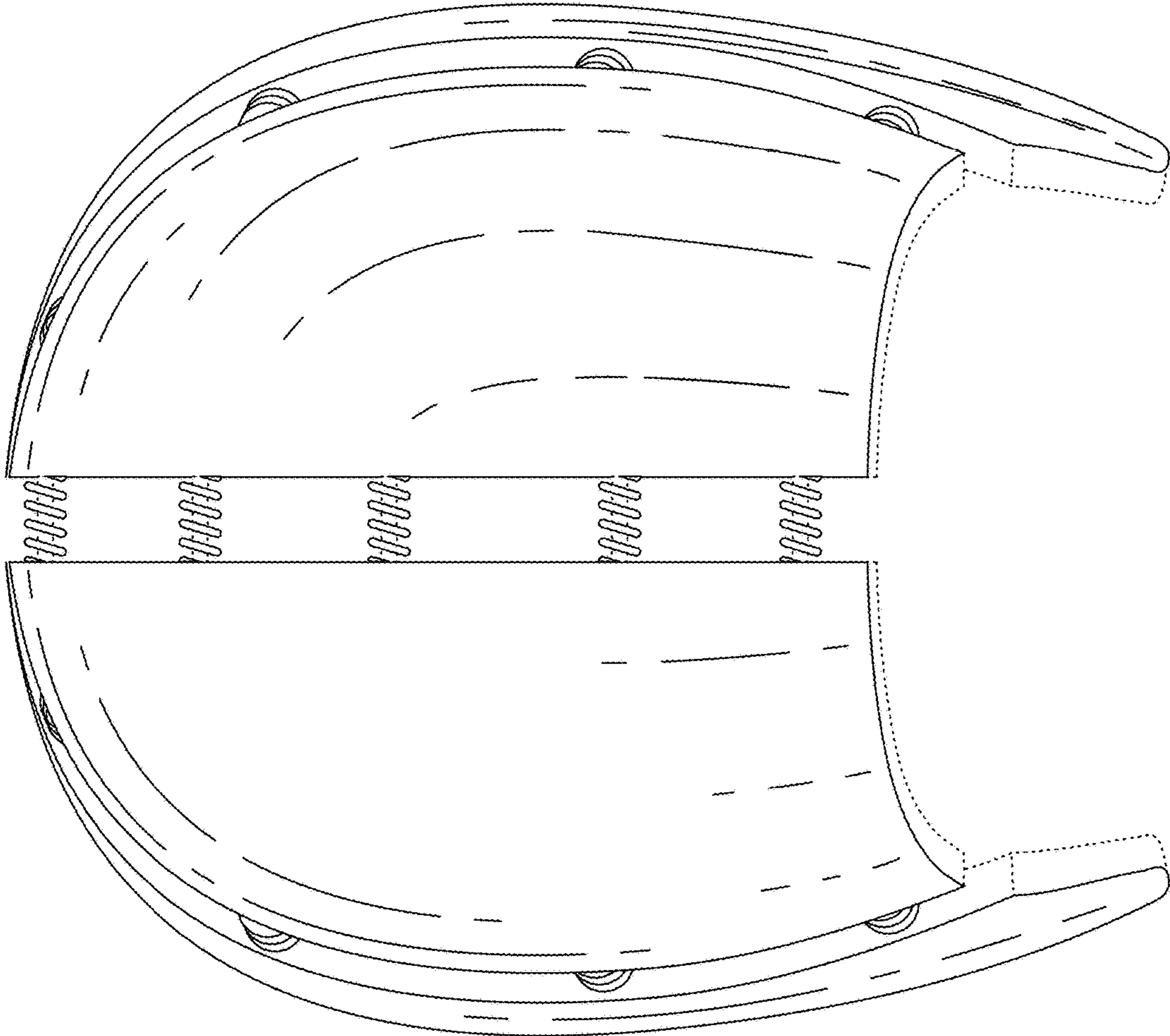


FIG. 5

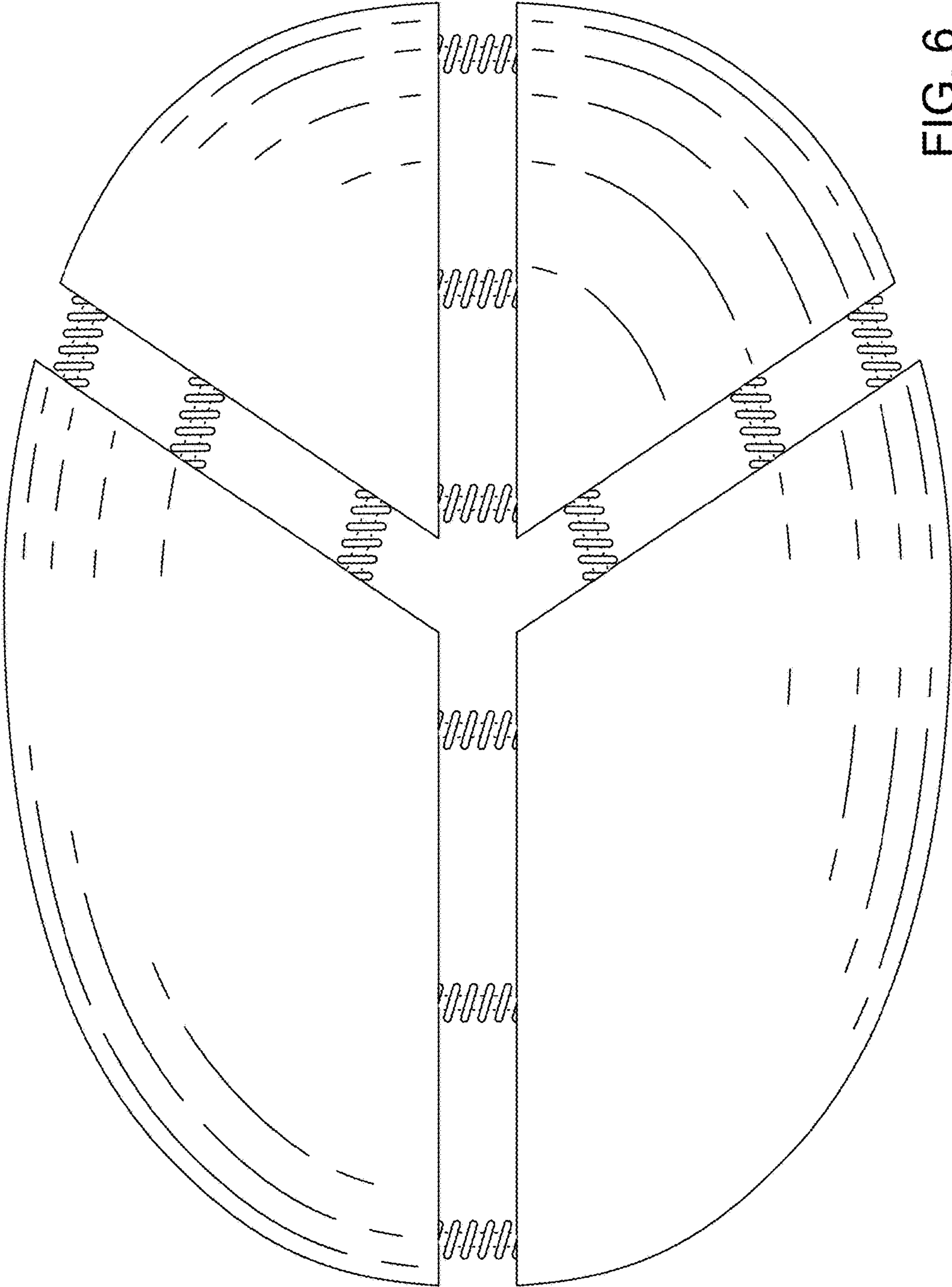


FIG. 6

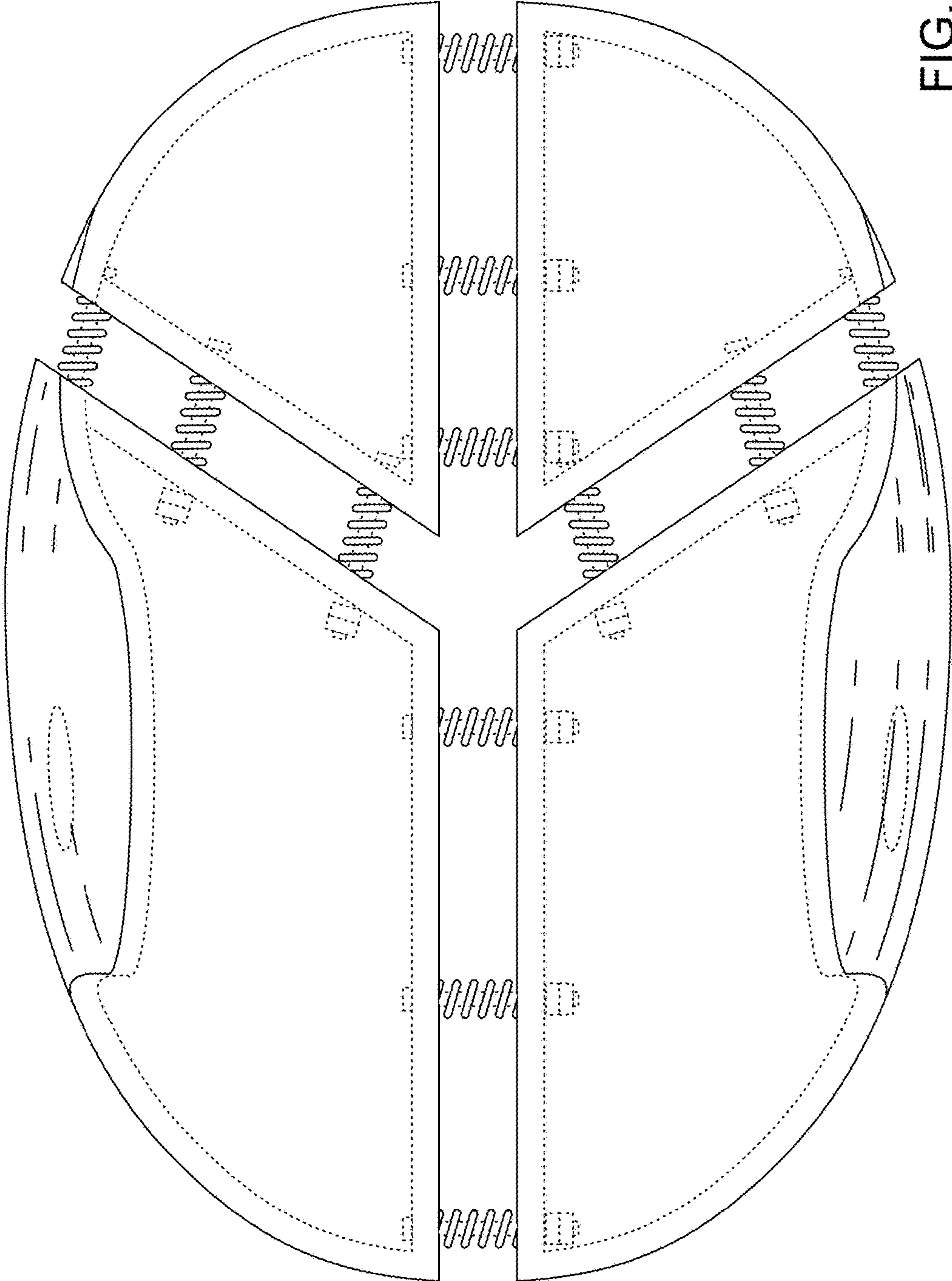


FIG. 7