



US00D781231S

(12) **United States Design Patent** (10) **Patent No.:** **US D781,231 S**  
**Chen** (45) **Date of Patent:** **\*\* Mar. 14, 2017**

(54) **NECK-WORN BATTERY**

(71) Applicant: **Healthmate International, LLC,**  
Kansas City, MO (US)

(72) Inventor: **Shawn Chen,** Kansas City, MO (US)

(73) Assignee: **Healthmate International, Inc.,**  
Kansas City, MO (US)

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

(21) Appl. No.: **29/550,693**

(22) Filed: **Jan. 6, 2016**

(51) **LOC (10) Cl.** ..... **13-02**

(52) **U.S. Cl.**  
USPC ..... **D13/103**

(58) **Field of Classification Search**

USPC ..... D13/102–106, 110, 188–119, 184, 199,  
D13/107–109; 429/170, 176, 163,  
429/96–100; D14/372, 356, 432  
CPC ..... Y02E 60/12; Y02E 60/122; Y02E 60/124;  
Y02E 60/50; H02J 2007/0062; H02J  
7/00; H02J 7/0003; H02J 7/0011; H02J  
7/0013; H02J 7/0054; H02J 7/0055; H02J  
7/0057; H01M 2200/30; H01M 2250/30;  
H01M 2250/40; H01M 10/44; H01M  
10/46; H01M 10/465; H01M 10/482;  
H01M 10/4257; H01M 10/0436; H01M  
10/48; H01M 2/20; H01M 2/202; H01M  
2/206; H01M 2/02; H01M 2/022; H01M  
2/0202; H01M 2/0207; H01M 2/0212;  
H01M 2/1061; H01M 2/1022; H01M  
2/1055; H01M 2/1066; H01M 2/105;  
H01M 2/204

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,609,262 A \* 9/1971 Hotchkiss ..... F21L 11/00  
200/52 R  
D593,067 S \* 5/2009 Millora ..... D14/205

D703,634 S \* 4/2014 Han ..... H04R 1/1016  
D14/205  
D715,295 S \* 10/2014 Lee ..... D14/372  
D716,759 S \* 11/2014 Ha ..... D14/205  
D719,154 S \* 12/2014 Lee ..... D14/372  
D725,101 S \* 3/2015 Lee ..... D14/372  
D726,649 S \* 4/2015 Lee ..... D13/103  
D726,718 S \* 4/2015 Choo ..... D14/372  
D726,721 S \* 4/2015 Olsson ..... D14/372  
D738,420 S \* 9/2015 Lee ..... D14/372  
D743,933 S \* 11/2015 Park ..... D14/205  
D751,980 S \* 3/2016 Lee ..... D13/103  
D756,958 S \* 5/2016 Lee ..... D14/205  
D756,959 S \* 5/2016 Lee ..... D14/205  
D762,617 S \* 8/2016 Park ..... D14/205

(Continued)

*Primary Examiner* — Rosemary K Tarcza

*Assistant Examiner* — Christy Nemeth

(74) *Attorney, Agent, or Firm* — Erickson Kernell IP,  
LLC

(57)

## CLAIM

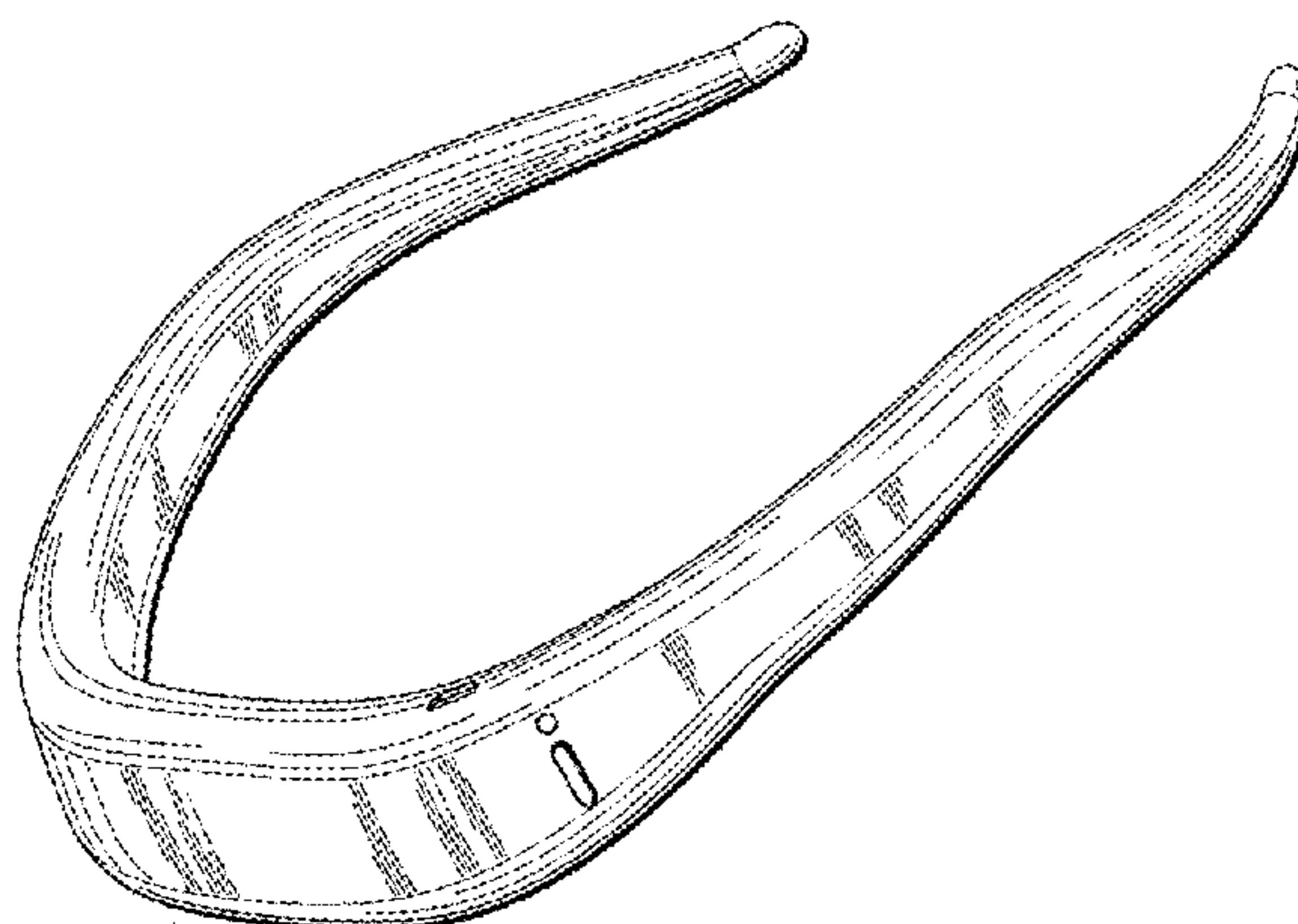
The ornamental design for a neck-worn battery, as shown  
and described.

## DESCRIPTION

FIG. 1 a perspective view of a neck-worn battery showing  
my new design;  
FIG. 2 is a perspective view thereof;  
FIG. 3 is a front view thereof;  
FIG. 4 is a rear view thereof;  
FIG. 5 is a bottom view thereof;  
FIG. 6 is a top view thereof;  
FIG. 7 is a right side view thereof; and,  
FIG. 8 is a left side view thereof.

The broken lines in FIG. 1 are for the purpose of illustrating  
environmental subject matter that forms no part of the  
claimed design.

**1 Claim, 6 Drawing Sheets**



(56)

**References Cited**

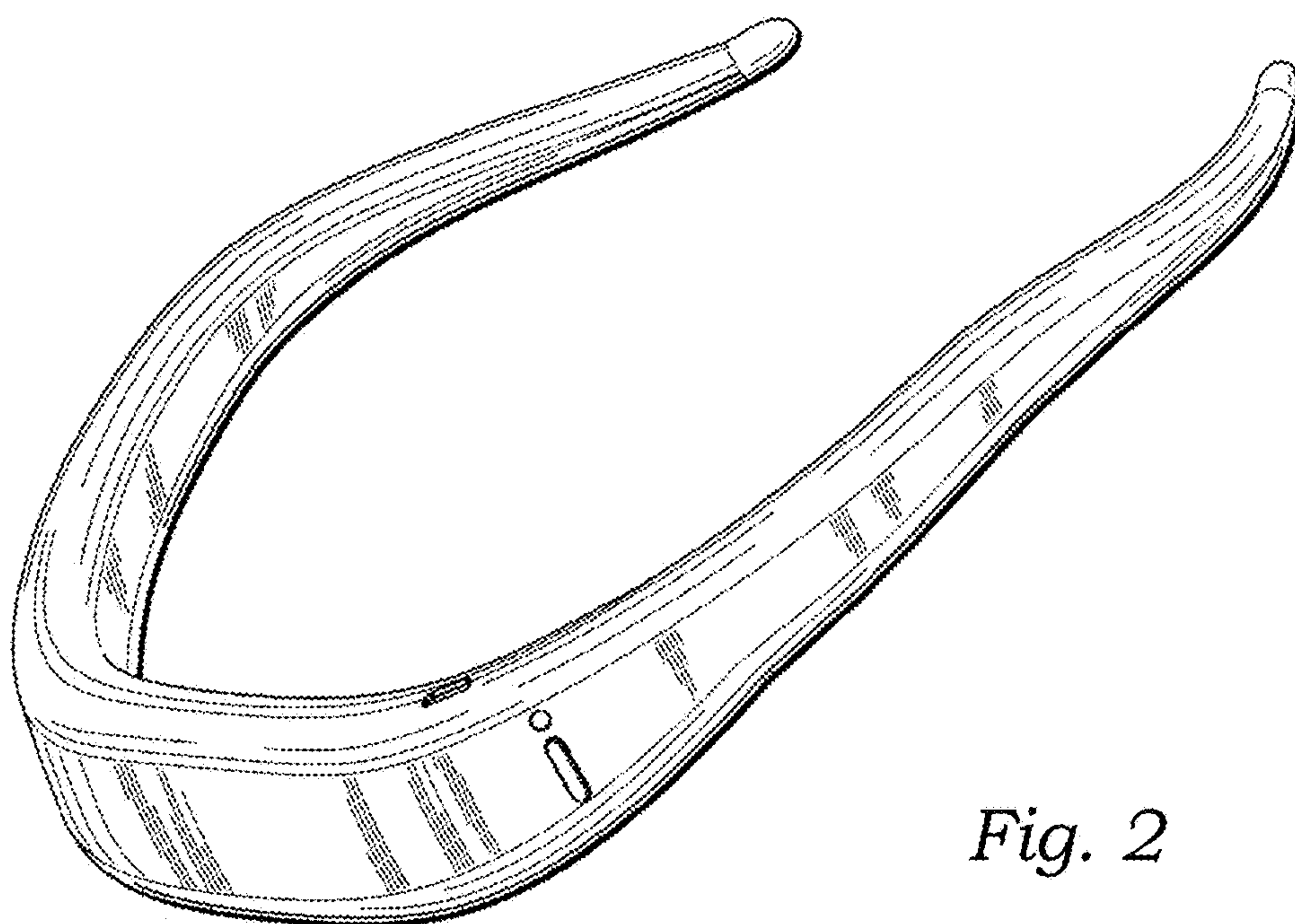
U.S. PATENT DOCUMENTS

|          |   |   |        |     |       |         |
|----------|---|---|--------|-----|-------|---------|
| D763,822 | S | * | 8/2016 | Lee | ..... | D14/205 |
| D766,869 | S | * | 9/2016 | Lee | ..... | D14/205 |

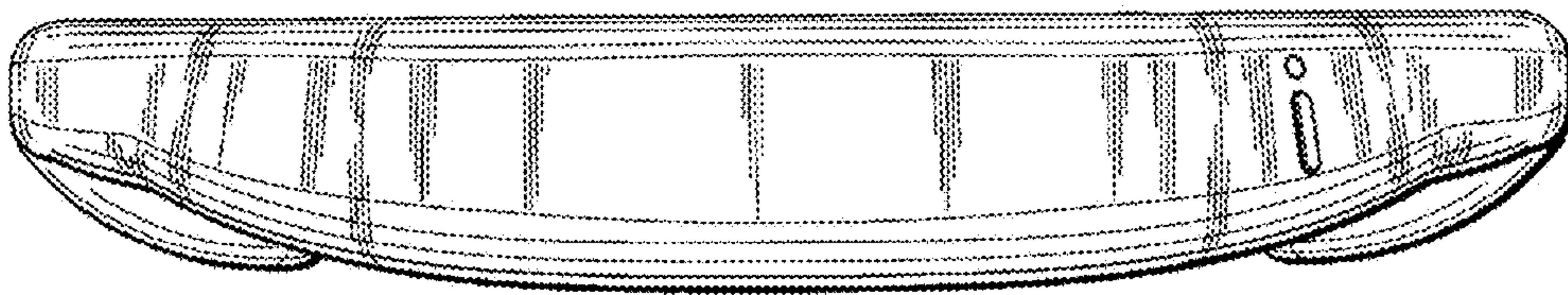
\* cited by examiner



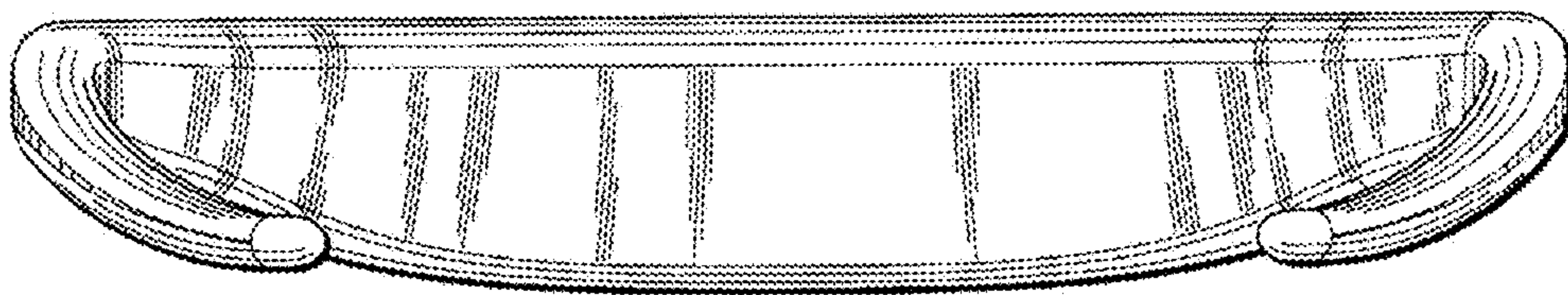
*Fig. 1*



*Fig. 2*



*Fig. 3*



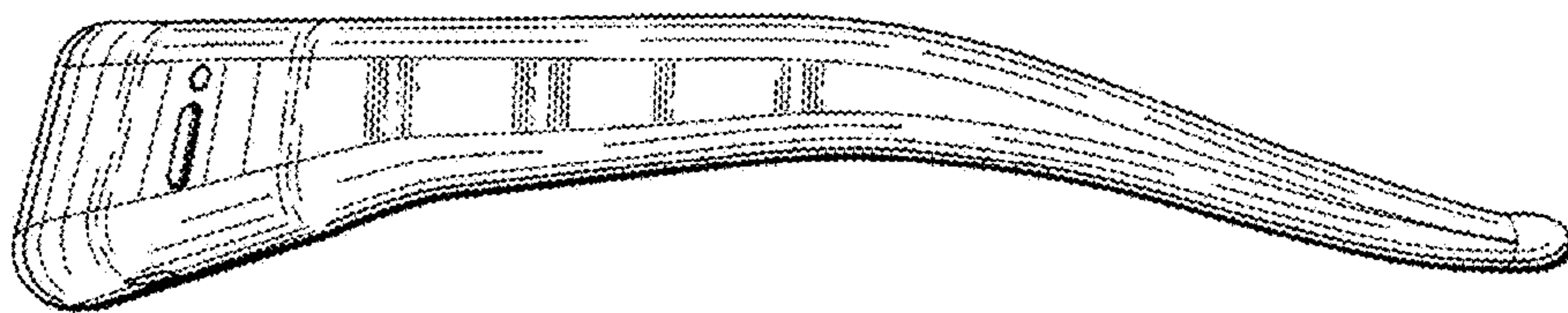
*Fig. 4*



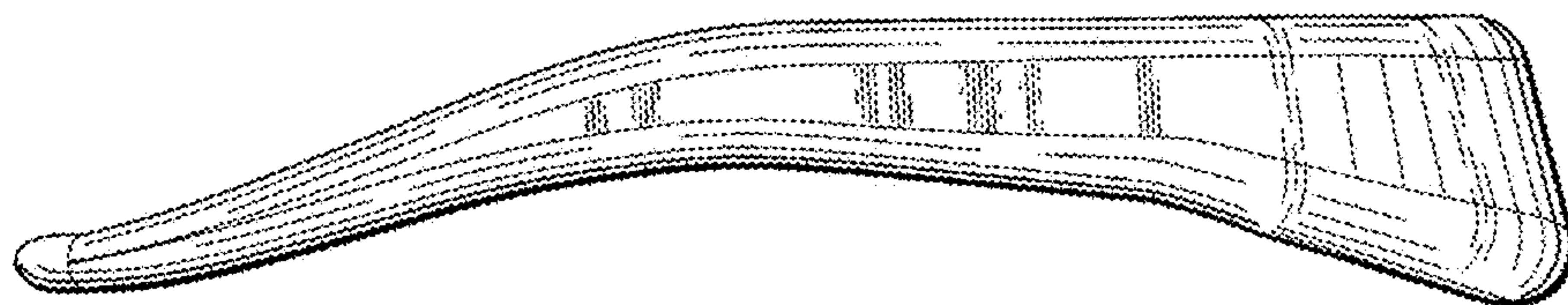
*Fig. 5*



*Fig. 6*



*Fig. 7*



*Fig. 8*