



US00D910176S

(12) **United States Design Patent** (10) **Patent No.:** **US D910,176 S**  
**Scherr et al.** (45) **Date of Patent:** **\*\* Feb. 9, 2021**

(54) **TOOL FOR SEATING AND REMOVING AN ORTHODONTIC ALIGNER**

(71) Applicant: **IDM Tooling, LLC**, Carrollton, TX (US)

(72) Inventors: **Shannon Marie Scherr**, Carrollton, TX (US); **Michael Woodford Freitas**, Burnet, TX (US)

(73) Assignee: **IDM Tooling, LLC**, Carrollton, TX (US)

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

(21) Appl. No.: **29/700,830**

(22) Filed: **Aug. 6, 2019**

(51) **LOC (13) Cl.** ..... **24-02**

(52) **U.S. Cl.**  
USPC ..... **D24/152**

(58) **Field of Classification Search**  
USPC ..... D24/152, 154, 176, 180, 133, 140  
CPC ..... A61C 7/02; A61C 7/023; A61C 7/146  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

8,167,612	B2 *	5/2012	DeSanti	.....	A61C 7/02
					433/3
8,545,219	B2 *	10/2013	Saubers	.....	A61C 7/02
					433/3
D837,377	S *	1/2019	Steen	.....	D24/154
D850,619	S *	6/2019	Saubers	.....	D24/154
10,307,223	B1 *	6/2019	Aronson	.....	A61C 7/023
D879,292	S *	3/2020	Freitas	.....	D24/140

(Continued)

**OTHER PUBLICATIONS**

Charlotte Dentistry, What's Up With the "Chewies"?, Charlotte Dentistry Website, allegedly posted Sep. 15, 2011 per post itself,

available at <https://www.charlottedentistry.com/blogpatients/2011/09/15/whats-up-with-the-chewies/> (last accessed Dec. 2, 2019).

(Continued)

*Primary Examiner* — Wan Laymon

(74) *Attorney, Agent, or Firm* — Vincent J. Allen; Brandon V. Zuniga; Carstens & Cahoon, LLP

(57) **CLAIM**

The ornamental design for a tool for seating and removing an orthodontic aligner, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view taken from the front, the top and the right of a tool for seating and removing an orthodontic aligner.

FIG. 2 is a front view of the tool for seating and removing an orthodontic aligner.

FIG. 3 is a rear view of the tool for seating and removing an orthodontic aligner.

FIG. 4 is a right side view of the tool for seating and removing an orthodontic aligner.

FIG. 5 is a left side view of the tool for seating and removing an orthodontic aligner.

FIG. 6 is a top view of the tool for seating and removing an orthodontic aligner.

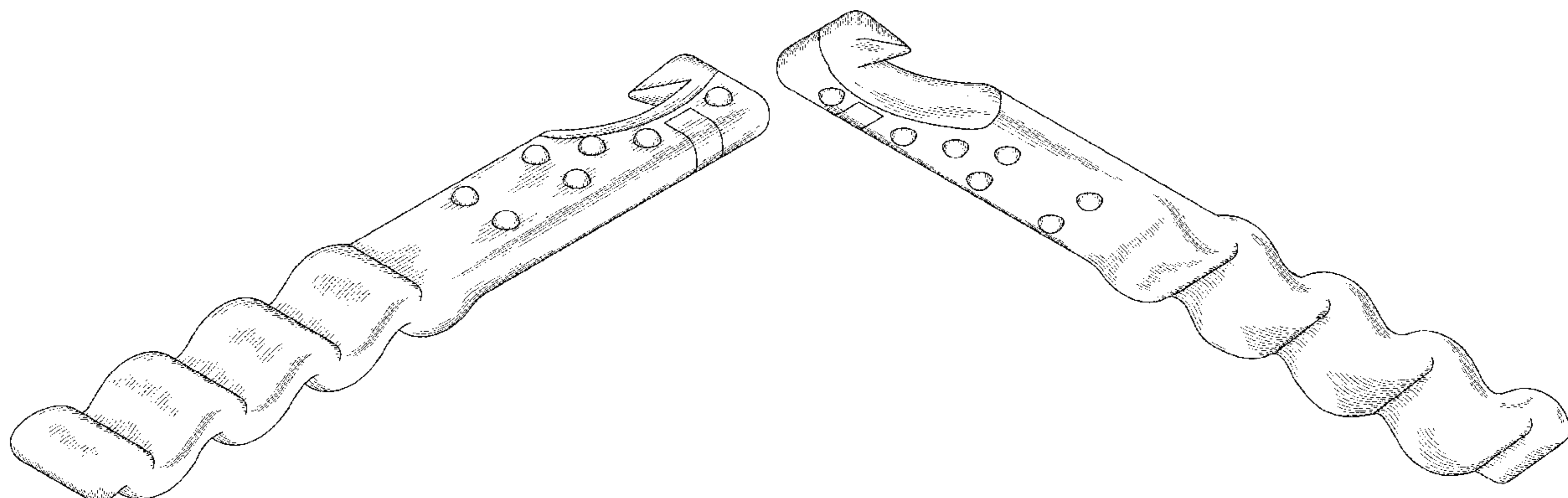
FIG. 7 is a bottom view of the tool for seating and removing an orthodontic aligner.

FIG. 8 is a perspective view taken from the rear, the top and the left of the tool for seating and removing an orthodontic aligner.

FIG. 9 is a perspective taken from the front, the bottom and the right of the tool for seating and removing an orthodontic aligner; and,

FIG. 10 is perspective view taken from the rear, the bottom and the left of the tool for seating and removing an orthodontic aligner.

**1 Claim, 4 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

2008/0160473 A1\* 7/2008 Li ..... A61C 7/02  
433/3  
2020/0100872 A1\* 4/2020 Scherr ..... A61C 7/146

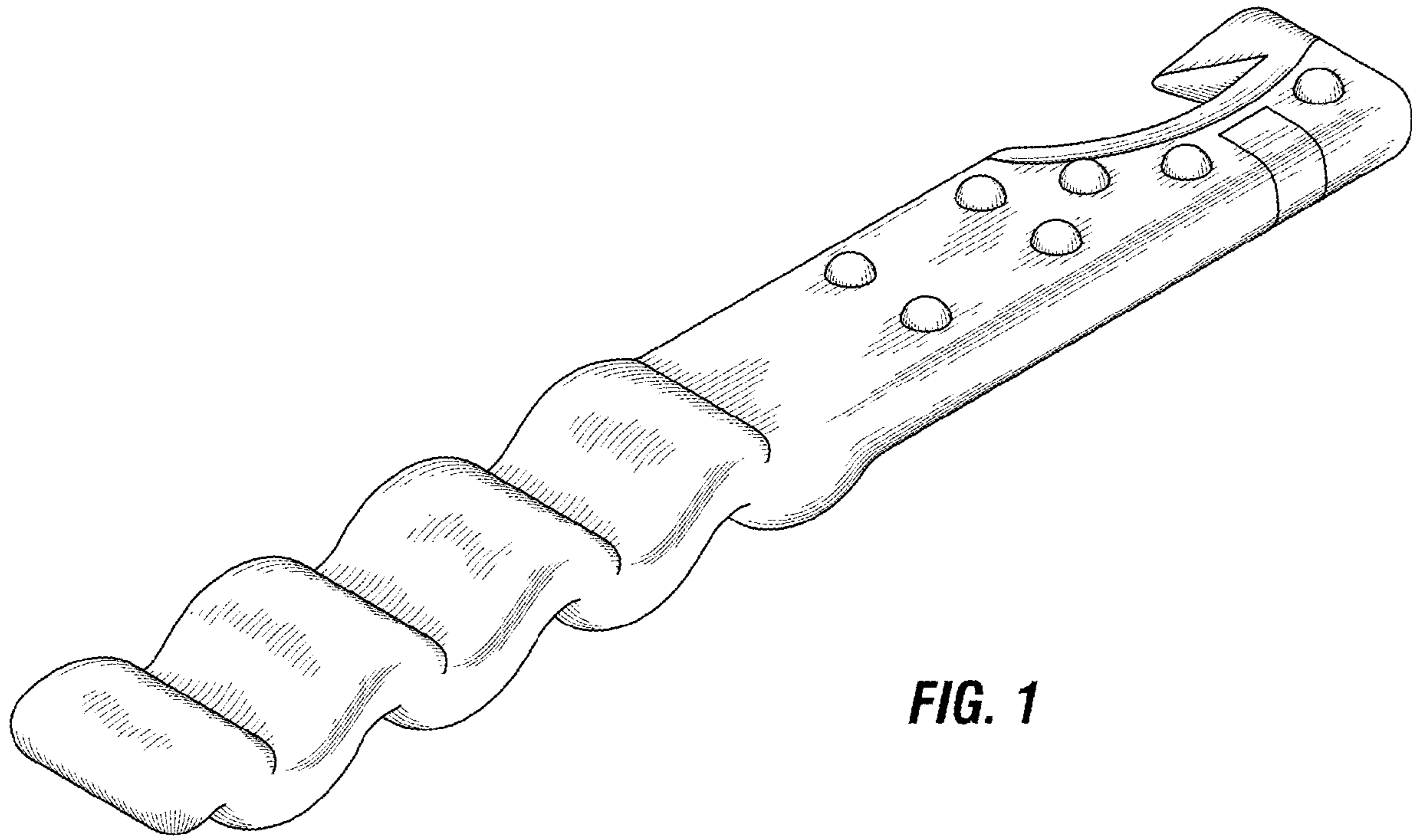
OTHER PUBLICATIONS

Munchies: Designed for Clear Aligners and Ortho Braces, allegedly captured Jan. 12, 2016 per Way Back Machine, available at <http://web.archive.org/web/20160112215317/http://www.orthomunchies.com> (last accessed Dec. 2, 2019).

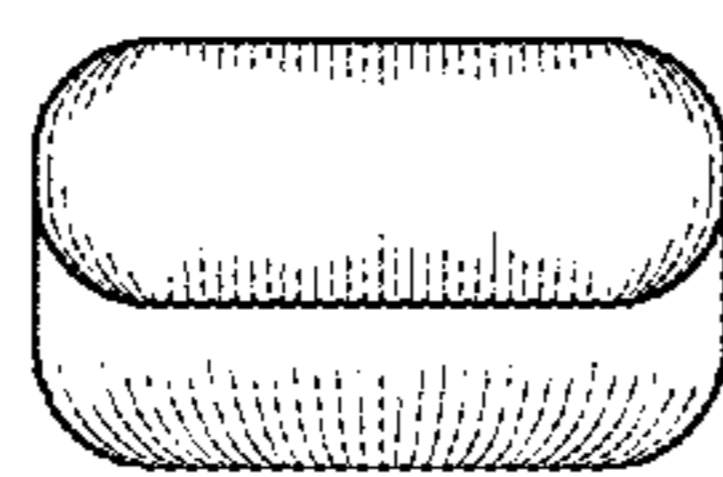
Why I Created Movemints, the Invisalign Chewies Alternative, article allegedly posted Jul. 17, 2017, available at <https://www.dentalmovemints.com/blogs/invisalign-tips-and-tricks/movemints-clear-aligner-mints-invisalign-chewies-alternative> (last accessed Jan. 14, 2020).

An offer to sell the device illustrated in Design U.S. Appl. No. 29/665,003, filed Sep. 28, 2018, is believed to have occurred on Mar. 8, 2018.

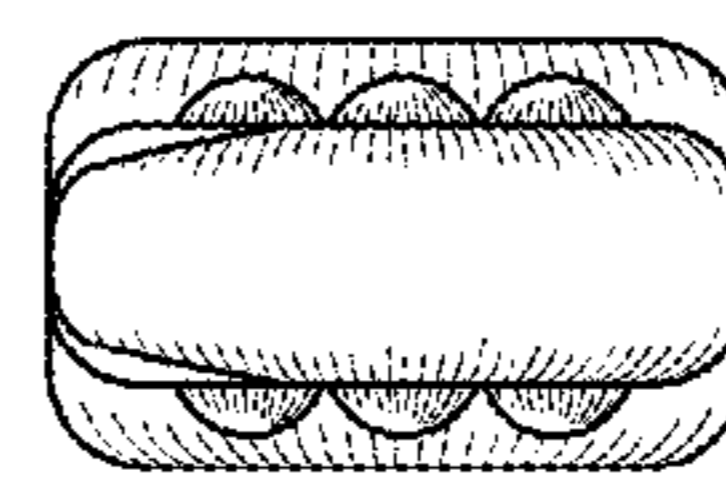
\* cited by examiner



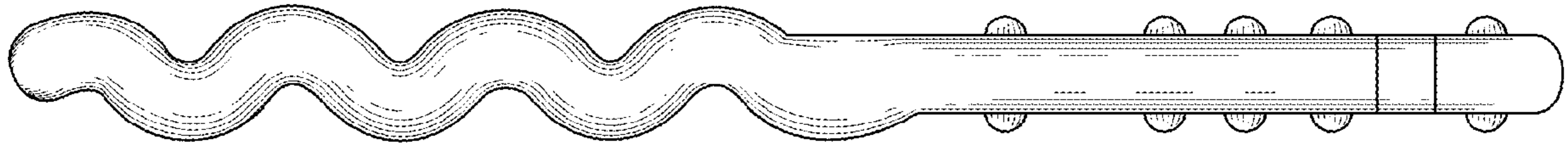
**FIG. 1**



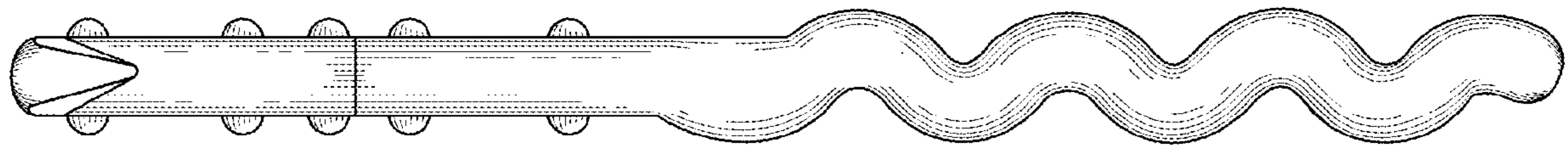
**FIG. 2**



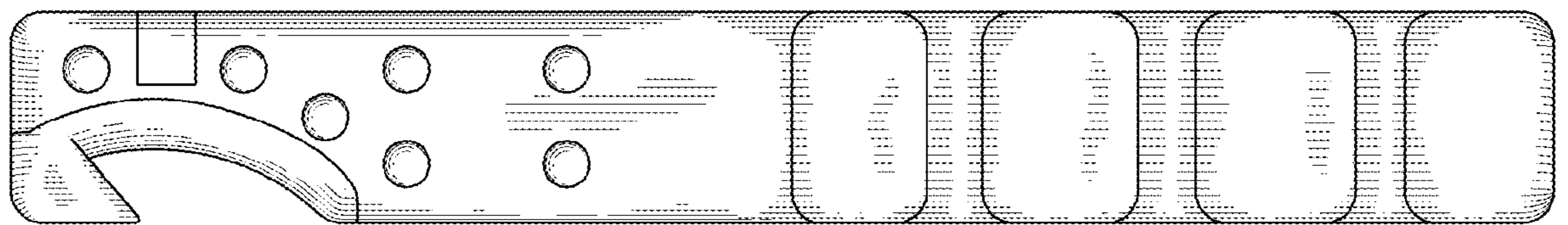
**FIG. 3**



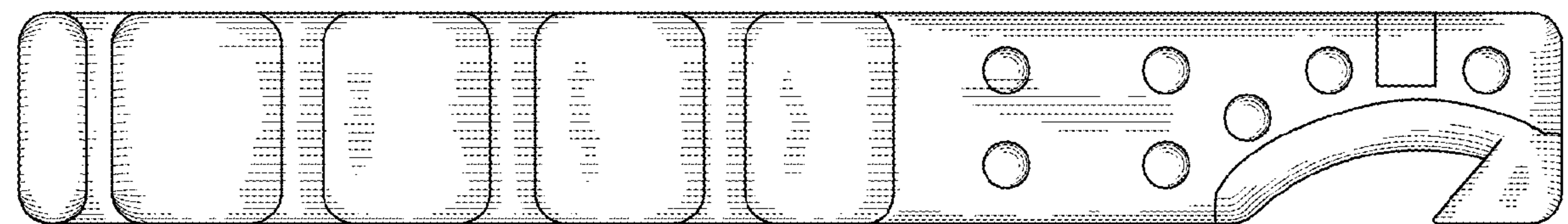
**FIG. 4**



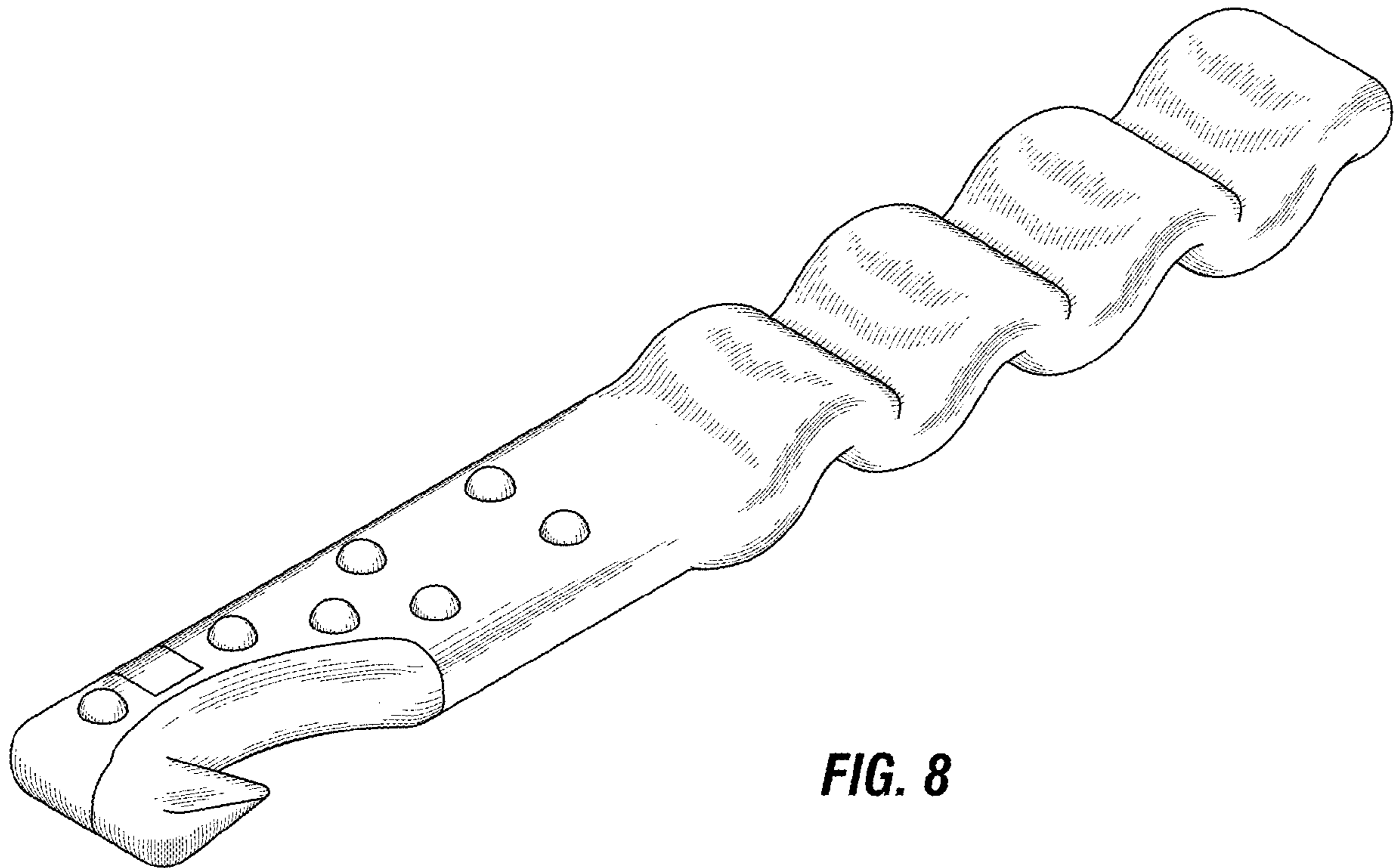
**FIG. 5**



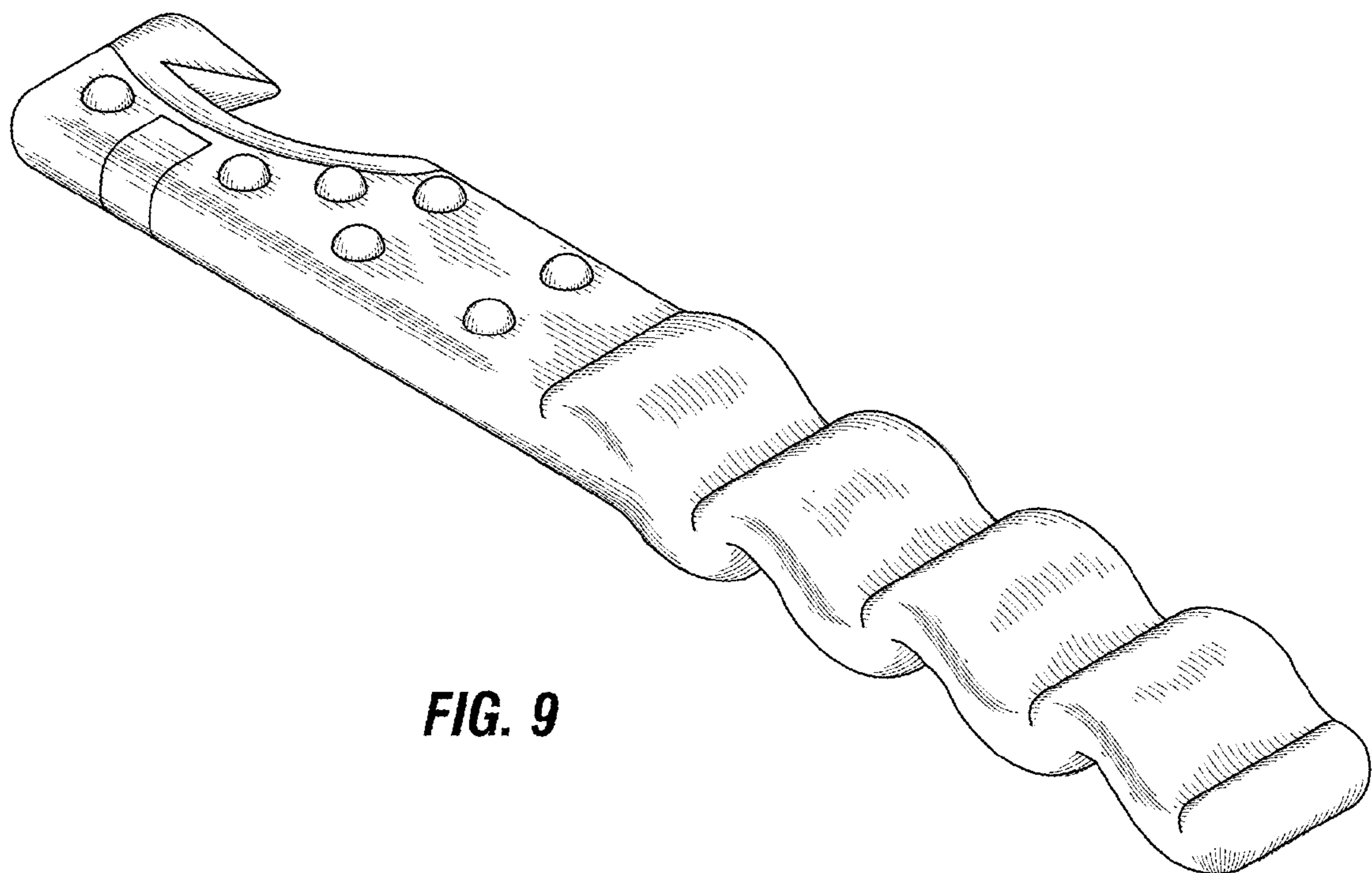
**FIG. 6**



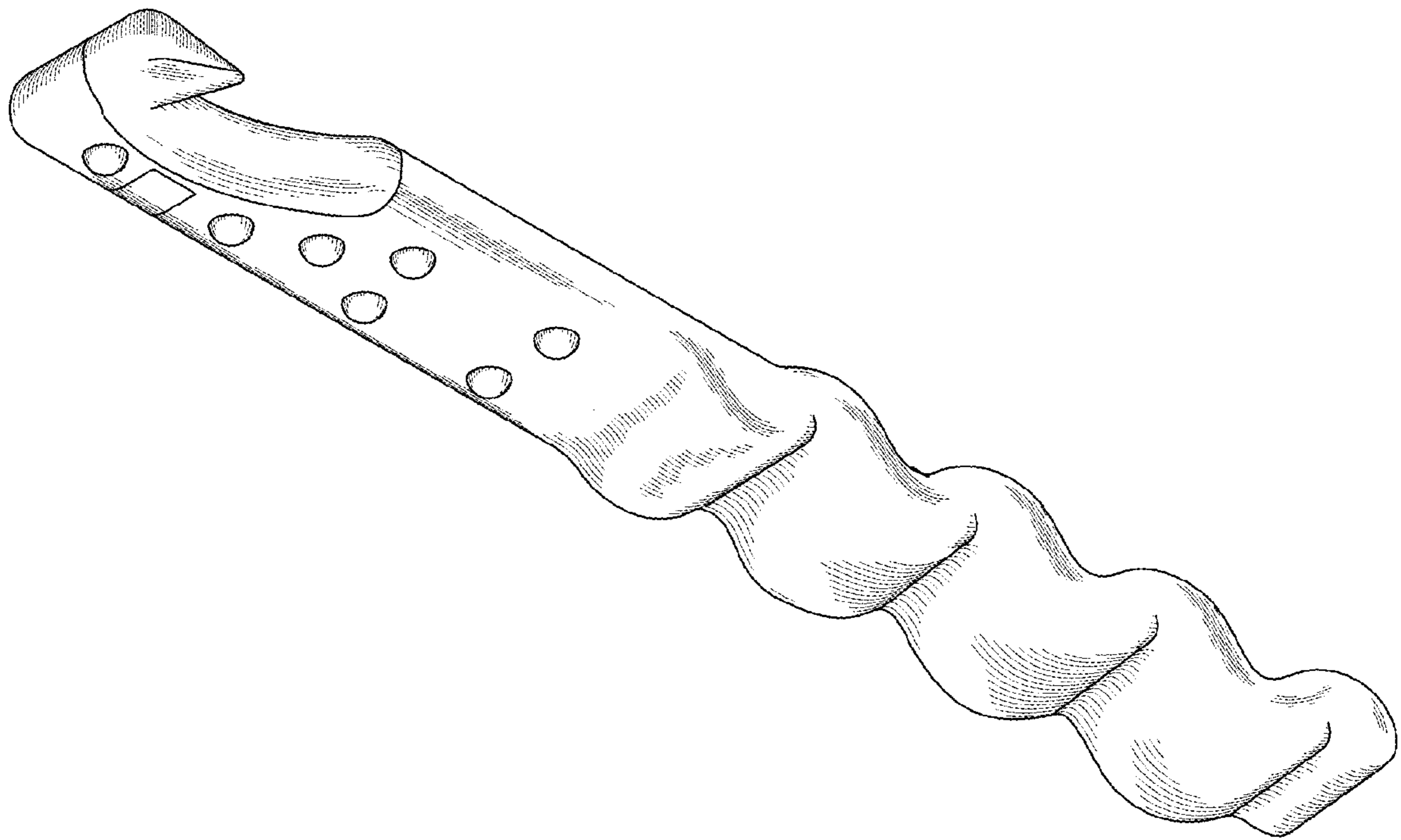
**FIG. 7**



**FIG. 8**



**FIG. 9**



**FIG. 10**