



US00D832165S

(12) **United States Design Patent** (10) **Patent No.:** **US D832,165 S**  
**Morin** (45) **Date of Patent:** **\*\* \*Oct. 30, 2018**

(54) **RAILROAD CAR BRAKE SHOE KEY**

OTHER PUBLICATIONS

(71) Applicant: **STANDARD CAR TRUCK COMPANY**, Rosemont, IL (US)

AAR Manual of Standards and Recommended Practices Brakes and Brake Equipment, "Brake Shoe Keys: Standard S-376," Last Revised: 2003, Dated Feb. 2014 (2 pages).

(72) Inventor: **Andrew J. Morin**, Mokena, IL (US)

(Continued)

(73) Assignee: **Standard Car Truck Company**, Rosemont, IL (US)

*Primary Examiner* — Cynthia Ramirez

*Assistant Examiner* — Gino Colan

(\*) Notice: This patent is subject to a terminal disclaimer.

(74) *Attorney, Agent, or Firm* — Neal, Gerber & Eisenberg LLP

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

(57) **CLAIM**

(21) Appl. No.: **29/592,070**

The ornamental design for a railroad car brake shoe key, as shown and described.

(22) Filed: **Jan. 26, 2017**

**Related U.S. Application Data**

**DESCRIPTION**

(63) Continuation of application No. 29/590,896, filed on Jan. 13, 2017.

(51) **LOC (11) Cl.** ..... **12-16**

(52) **U.S. Cl.**  
USPC ..... **D12/180**

(58) **Field of Classification Search**  
USPC ..... D12/180, 42, 47, 179; 188/243, 73.45, 188/247, 236, 214, 242, 241, 250 G  
(Continued)

FIG. 1 is a front right perspective view of a railroad car brake shoe key showing my new design; FIG. 2 is a front left perspective view thereof; FIG. 3 is a rear right perspective view thereof; FIG. 4 is a front elevation view thereof; FIG. 5 is a rear elevation view thereof; FIG. 6 is a right side elevation view thereof, the left side elevation view being a mirror image thereof; FIG. 7 is a top plan view thereof; FIG. 8 is a bottom plan view thereof; FIG. 9 is an enlarged fragmentary right side view of an upper portion thereof. FIG. 10 is an enlarged fragmentary front right side perspective view of an upper portion. FIG. 11 is an enlarged fragmentary front left perspective view of the upper portion thereof, indicated in FIG. 2; and, FIG. 12 is an enlarged fragmentary rear right perspective view of the upper portion thereof. The broken lines shown in the Figures are for the purpose of illustrating portions of the railroad car brake shoe key and form no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

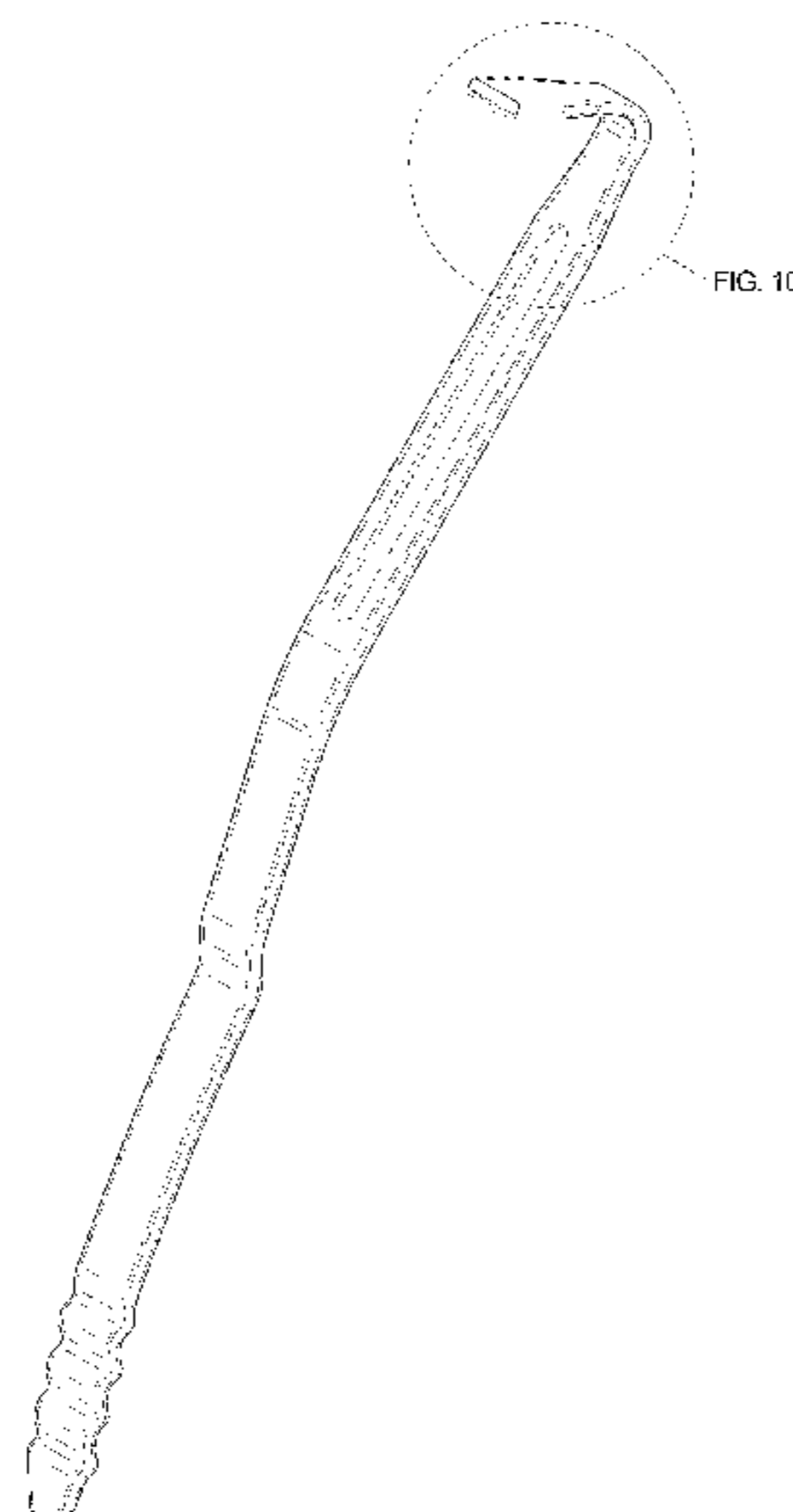
492,839 A 3/1893 Sargent  
613,887 A \* 11/1898 Sargent ..... F16D 65/062  
188/243

(Continued)

FOREIGN PATENT DOCUMENTS

DE 2357048 5/1975  
GB 6324 6/1907  
GB 849310 9/1960

**1 Claim, 9 Drawing Sheets**



(58) **Field of Classification Search**  
 CPC ..... B61H 13/00; F16D 65/06; F16D 65/062  
 See application file for complete search history.

3,077,957 A 2/1963 Arrasmith  
 3,124,221 A \* 3/1964 Prentice ..... F16D 65/062  
 188/243  
 3,237,733 A \* 3/1966 Kettering ..... F16D 65/062  
 188/243

(56) **References Cited**

U.S. PATENT DOCUMENTS

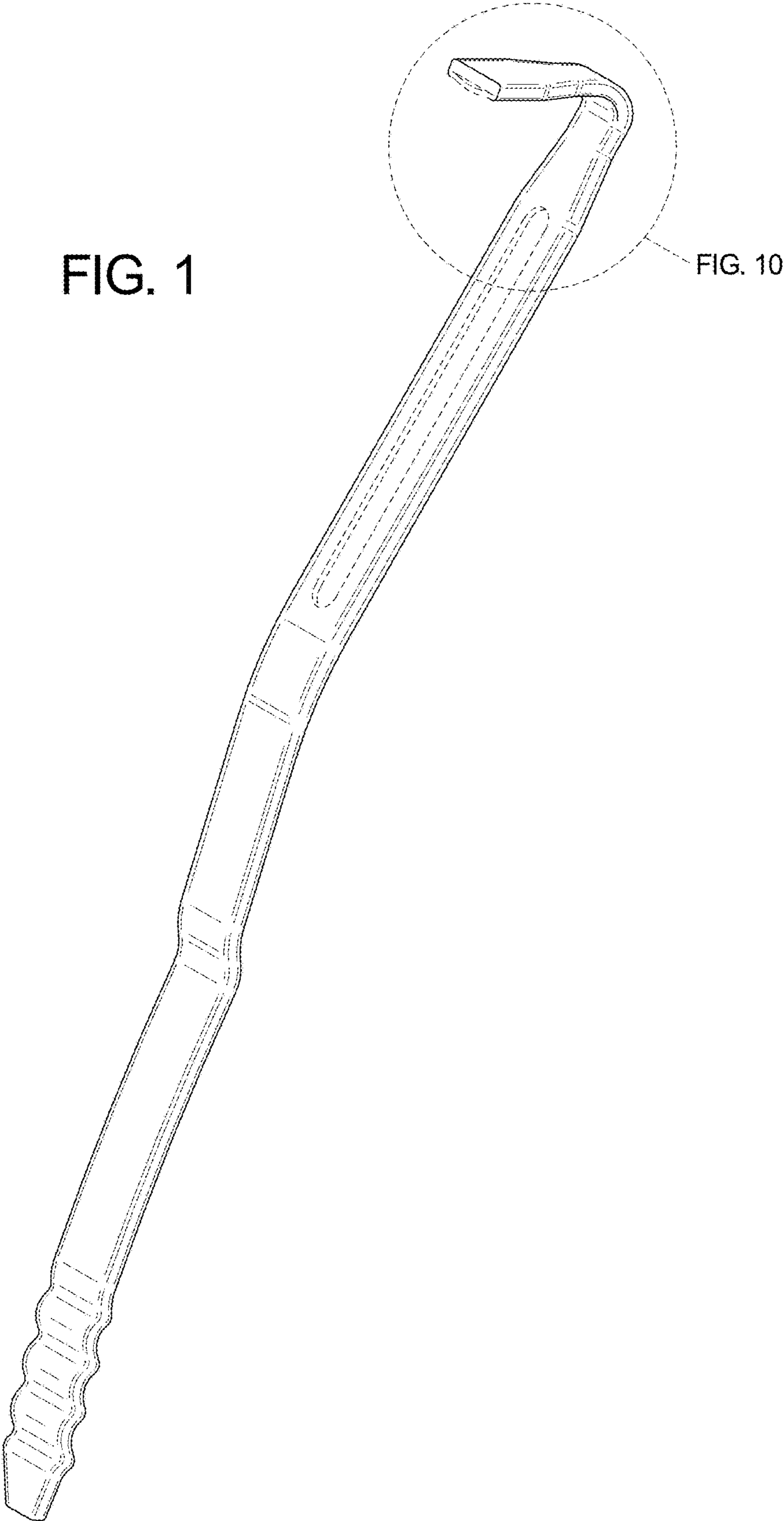
737,674 A 9/1903 Streeter  
 854,475 A 10/1907 Fairbanks  
 941,107 A 11/1909 Smith  
 1,304,044 A 5/1919 Hawkins  
 1,304,049 A 5/1919 Huber  
 1,435,769 A 11/1922 Watkins  
 1,451,332 A 4/1923 Emery  
 1,465,975 A 8/1923 Emery  
 1,495,552 A 5/1924 Ditmore et al.  
 1,502,459 A 7/1924 Campbell  
 1,619,767 A 3/1927 Sanford  
 1,854,598 A 4/1932 Moore  
 1,886,734 A \* 11/1932 Prentice ..... F16D 65/062  
 188/243  
 1,927,248 A 9/1933 Trainer  
 1,965,159 A 7/1934 Sargent  
 2,013,982 A 9/1935 Clouser  
 2,031,127 A 2/1936 Peycke  
 2,037,936 A 4/1936 Simanek  
 2,050,384 A 8/1936 Schaefer  
 2,051,909 A 8/1936 Schaefer  
 2,058,952 A 10/1936 Cobb, Jr.  
 2,077,551 A 4/1937 Ekholm  
 2,094,273 A 9/1937 MacK  
 RE20,779 E 7/1938 Garand  
 2,138,196 A \* 11/1938 Prentice ..... F16D 65/062  
 188/243  
 2,230,863 A 2/1941 Caslin  
 2,331,797 A 10/1943 Oelkers  
 2,858,914 A 11/1958 Arrasmith  
 2,873,825 A \* 2/1959 Prentice ..... F16D 65/062  
 188/243  
 3,015,372 A 1/1962 Landell et al.

4,466,513 A 8/1984 Dedek  
 5,560,453 A 10/1996 Conrad  
 5,647,460 A 7/1997 Shute  
 5,839,549 A 11/1998 Tack, Jr.  
 D601,473 S \* 10/2009 Camilo-Martinez ..... D12/180  
 2006/0272908 A1 \* 12/2006 East ..... F16D 65/062  
 188/250 G

OTHER PUBLICATIONS

AAR Manual of Standards and Recommended Practices Brakes and Brake Equipment, "Brake Head-Limiting Contour of Brake Head Face for Hanger-Type Brake Beams: Standard S-370," Last Revised: 2009, Dated Feb. 2014 (1 page).  
 AAR Manual of Standards and Recommended Practices Brakes and Brake Equipment, "Brake Head-Limiting Contour of Brake Head Face for Hangerless-Type Brake Beams: Standard S-371," Last Revised: 2009, Dated Feb. 2014 (1 page).  
 AAR Manual of Standards and Recommended Practices Brakes and Brake Equipment, "Brake Shoe, Metal, Reinforced: Standard S-430," Last Revised: 2002, Dated Feb. 2014 (2 pages).  
 AAR Manual of Standards and Recommended Practices Brakes and Brake Equipment, "Brake Shoe, High-Friction Composition Type-Limiting Contour: Standard S-431," Last Revised: 2005, Dated Feb. 2014 (1 page).  
 Standard Car Truck Company, Brake Shoes, from website: <http://www.sctco.com/BrakeShoeKey.html>, printed Jan. 12, 2016 (1 page).  
 Anchor Brake Shoe, "Product Bulletin: Brake Shoe Key Proper Installation," Jan. 2006 (1 page).

\* cited by examiner



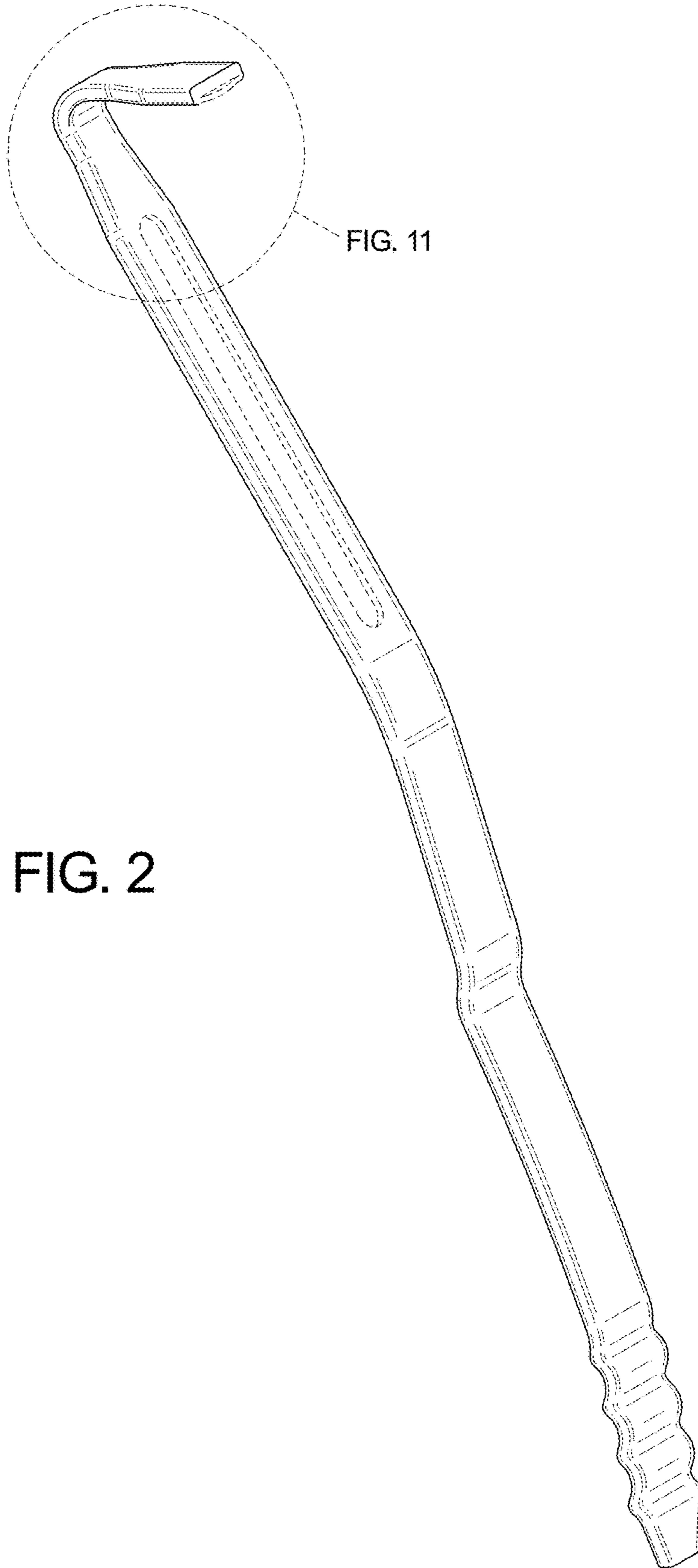


FIG. 11

FIG. 2



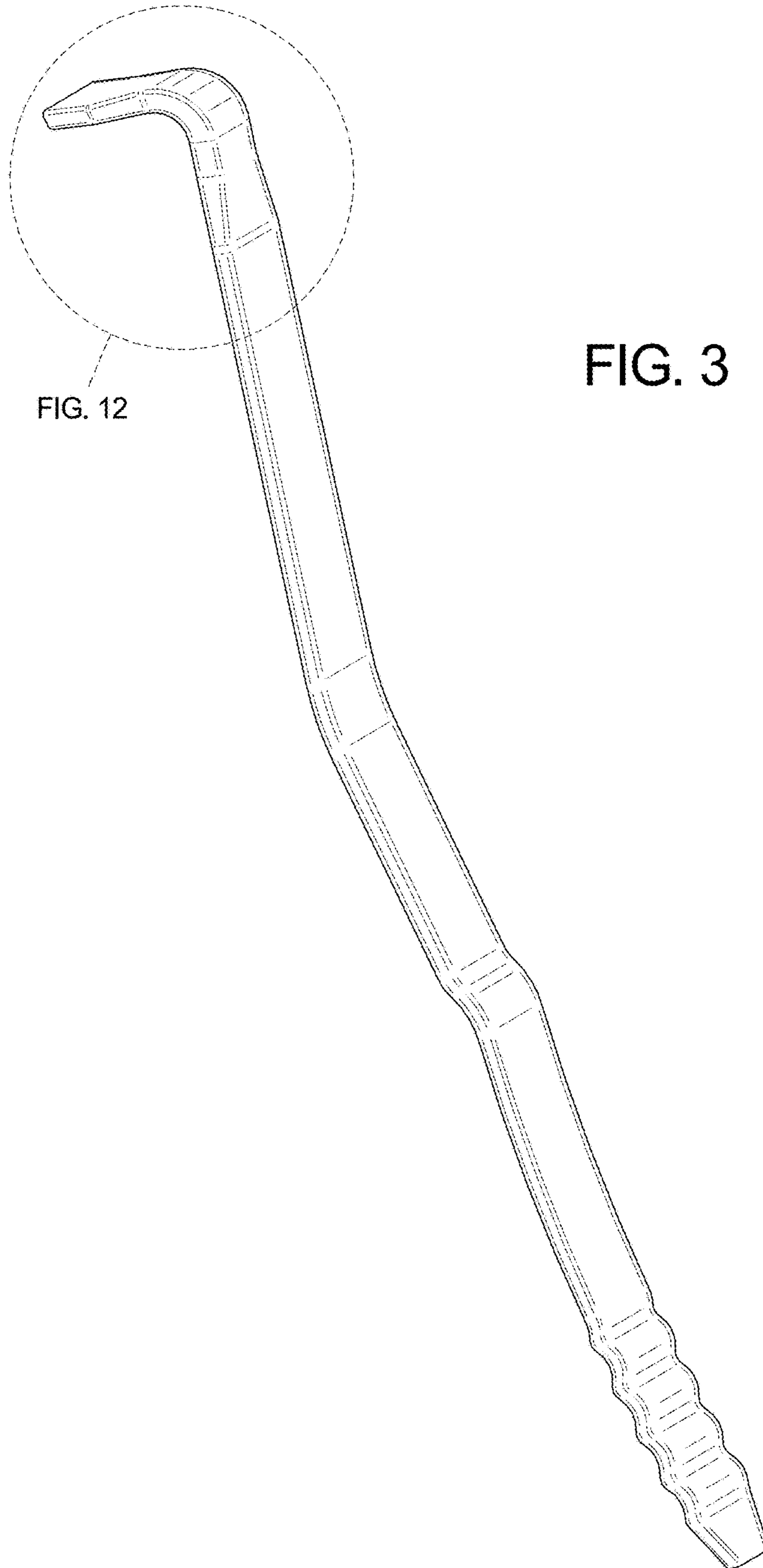


FIG. 4



FIG. 5

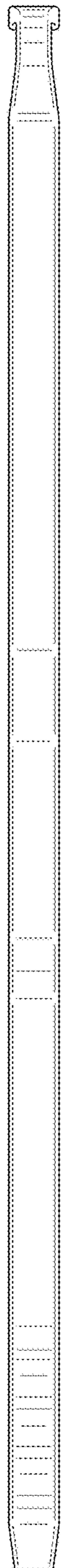


FIG. 6

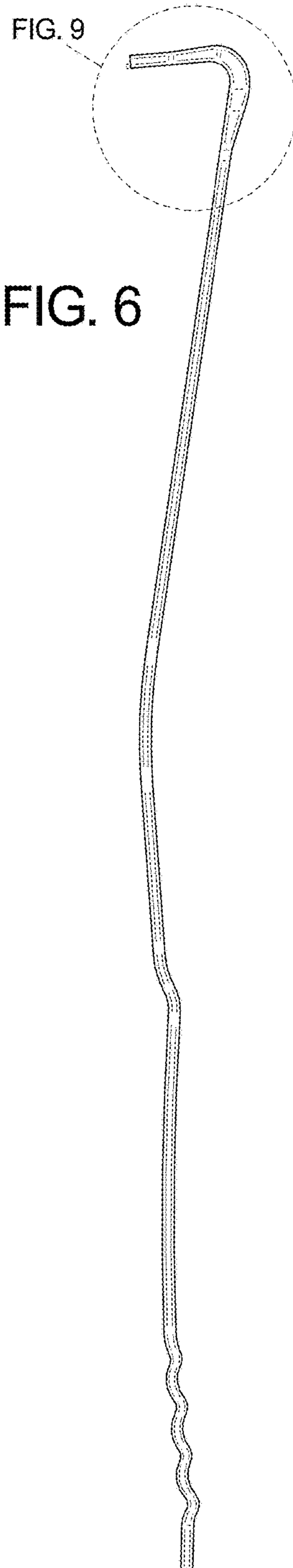




FIG. 7

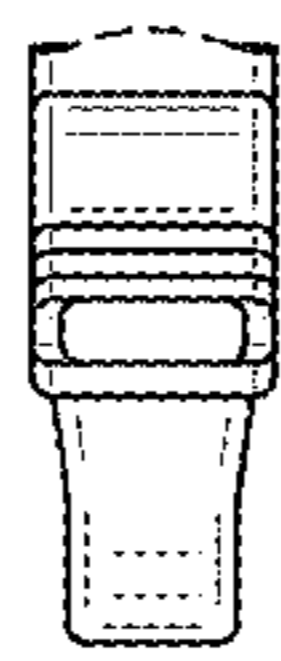


FIG. 8

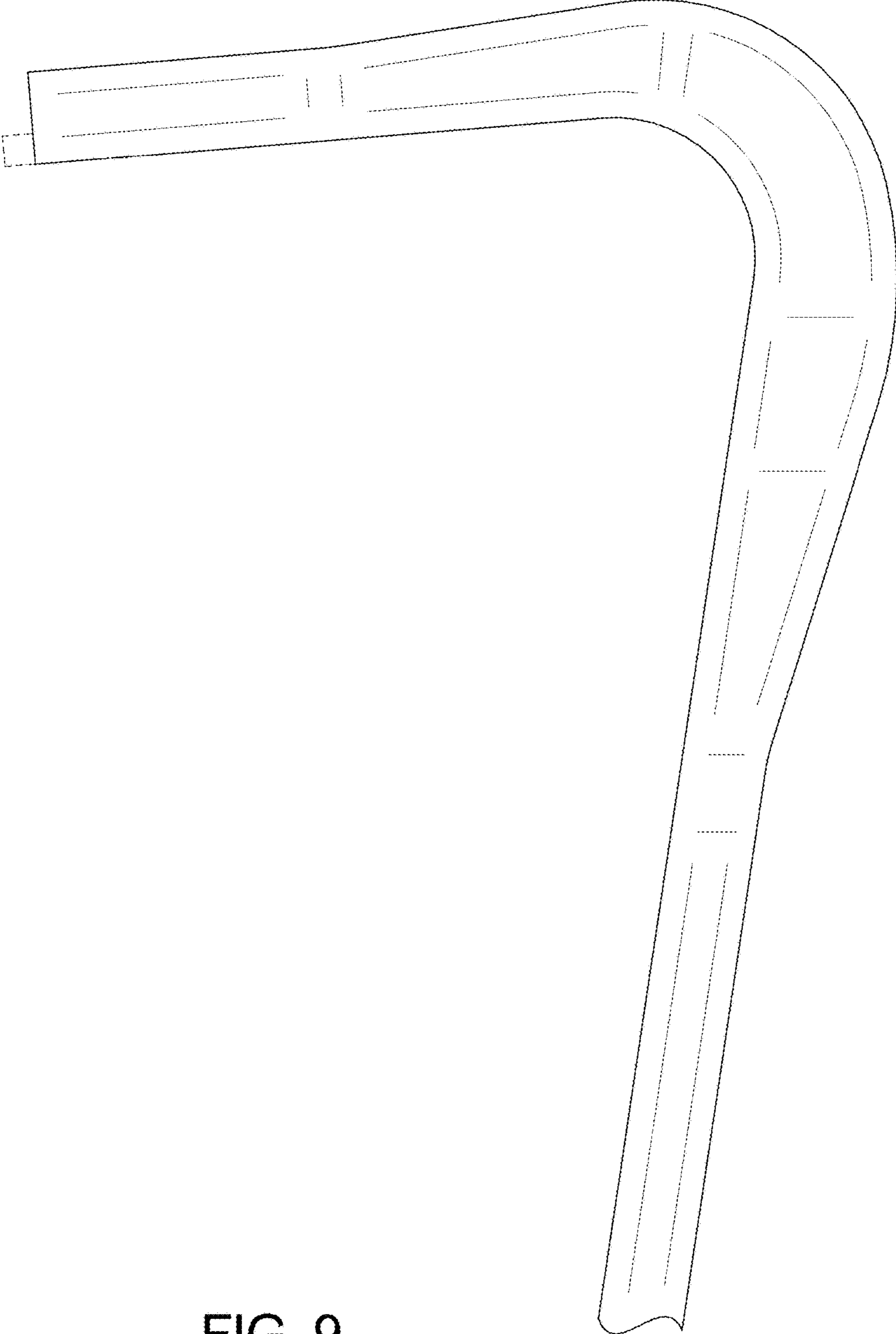


FIG. 9



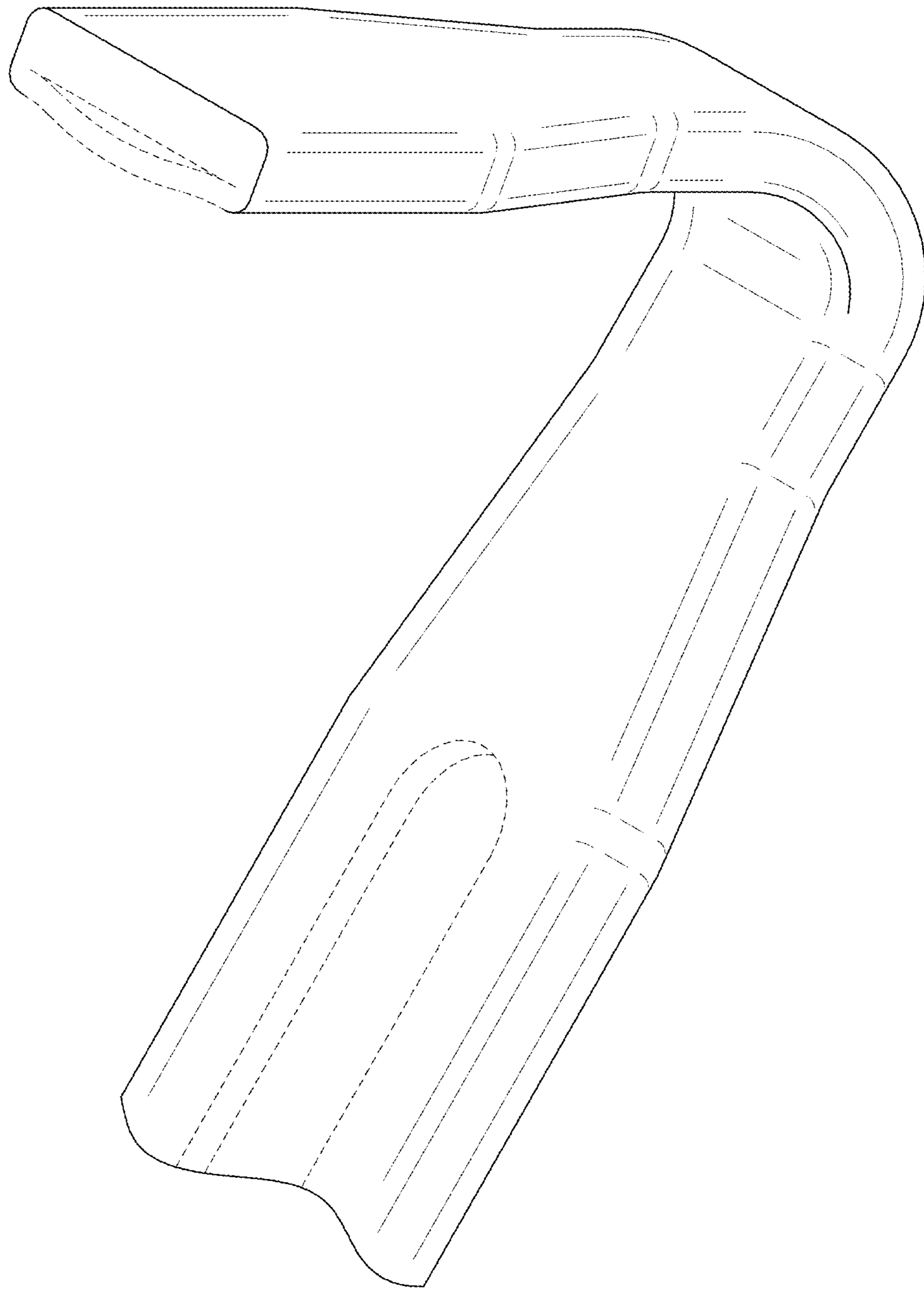


FIG. 10

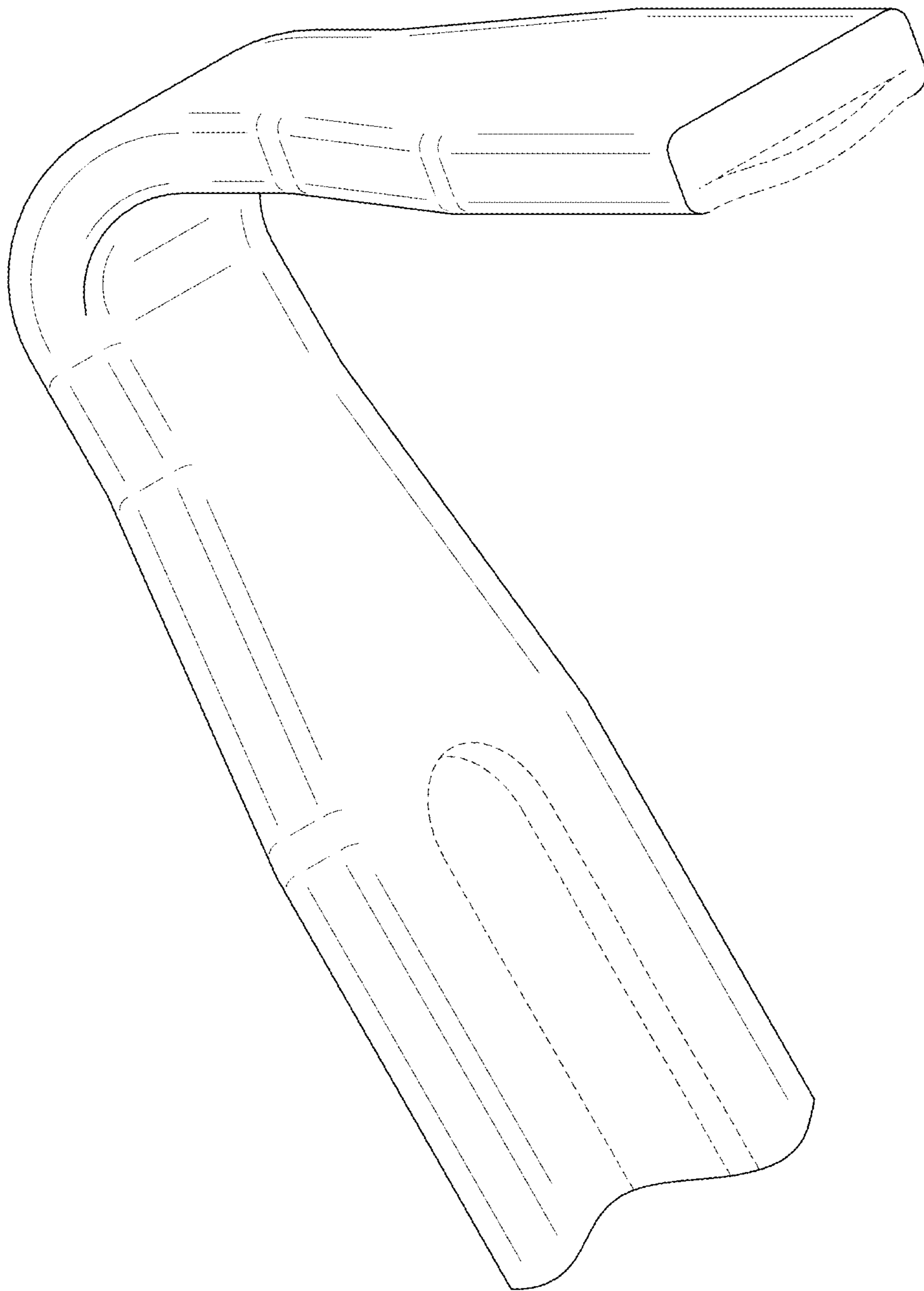


FIG. 11

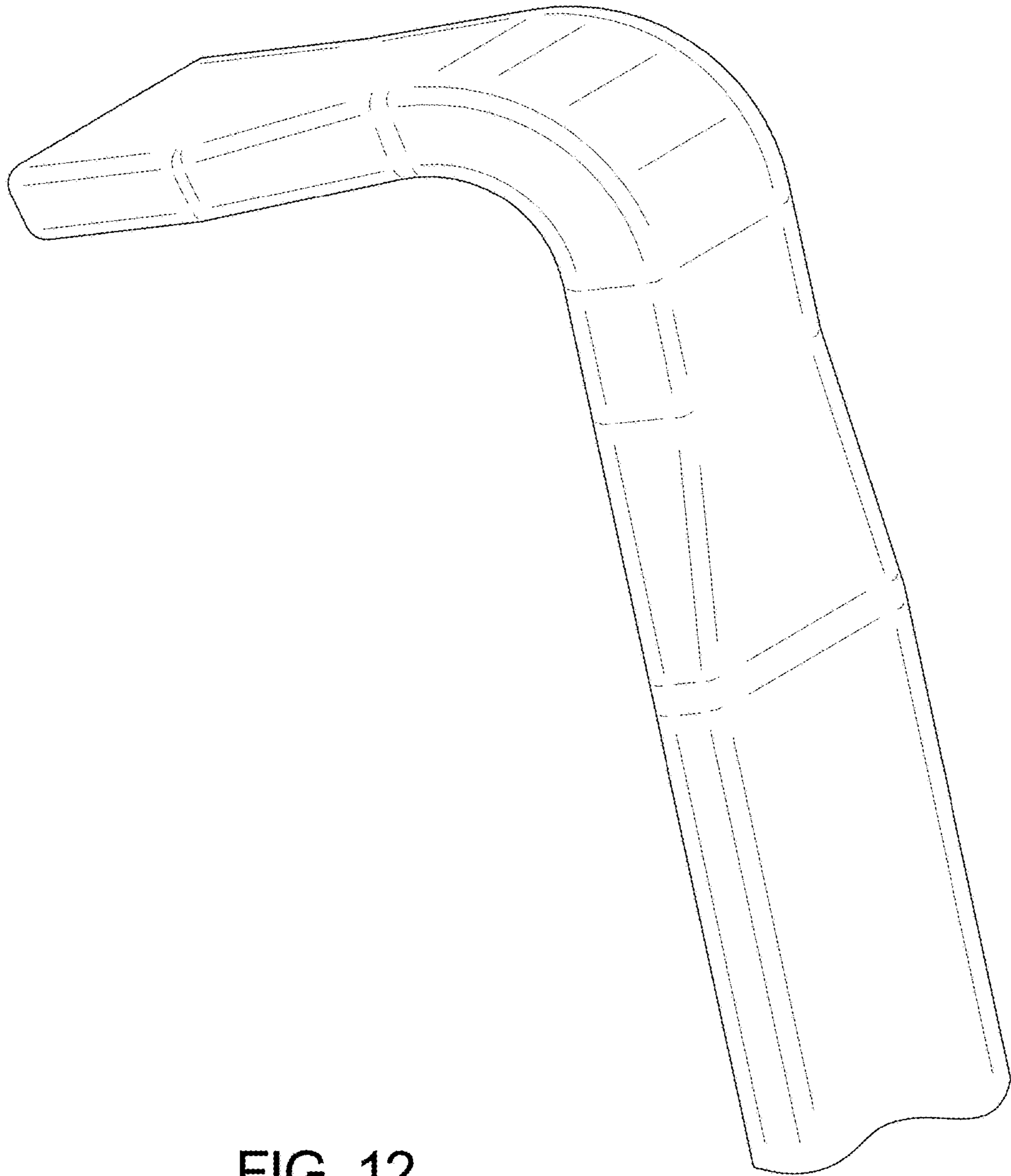


FIG. 12