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United States Patent [19]

Boatman et al.

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[45] **Date of Patent: **Jun. 24, 1997**

[54] **IMPLANTABLE, ACTIVELY EXPANDABLE STENT**

[75] Inventors: **Scott E. Boatman**; **Michael C. Hoffa**, both of Bloomington, Ind.

[73] Assignee: **Cook Incorporated**, Bloomington, Ind.

[**] Term: **14 Years**

[21] Appl. No.: **32,966**

[22] Filed: **Dec. 30, 1994**

[51] **LOC (6) Cl.** **24-03**

[52] **U.S. Cl.** **D24/155**

[58] **Field of Search** D24/155; 623/1, 623/12, 900; 606/194, 195, 198; 604/104

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Attorney, Agent, or Firm—Richard J. Godlewski

[57] **CLAIM**

The ornamental design for an implantable, actively expandable stent, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of an implantable, actively expandable stent showing our new design;

FIG. **2** is an enlarged front elevational view thereof;

FIG. **3** is an enlarged side elevational view thereof;

FIG. **4** is a perspective view of a second embodiment of the implantable, actively expandable stent;

FIG. **5** is an enlarged front-end elevational view thereof;

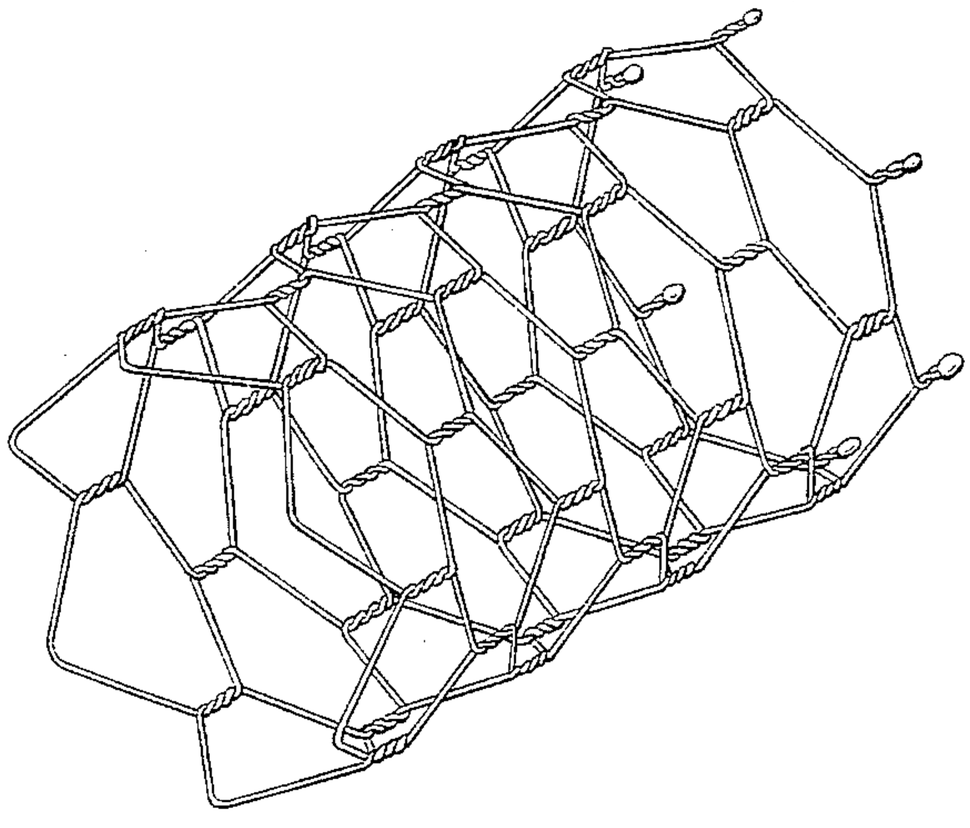
FIG. **6** is an enlarged side elevational view thereof;

FIG. **7** is an enlarged front-end elevational view of a third embodiment of the implantable, actively expandable stent; and,

FIG. **8** is an enlarged side elevational view thereof.

The various figures of the drawing depict the ornamental design of an implantable, actively expandable stent. A plurality of interconnected cells extends around the circumference of the tubular-shaped stent and forms a row transverse to the longitudinal axis of the stent. Several sides of each cell are circumferentially oriented and inclined to the longitudinal axis of the stent; whereas the interconnected sides are substantially aligned with the longitudinal axis. Cells in adjacent rows are offset from each other. The interconnections between cells in a given row are wound in one direction or an other with the interconnections of adjacent row cells being wound in the opposite direction. In another aspect of the design, the interconnections of the cells are all wound in the same direction.

1 Claim, 7 Drawing Sheets



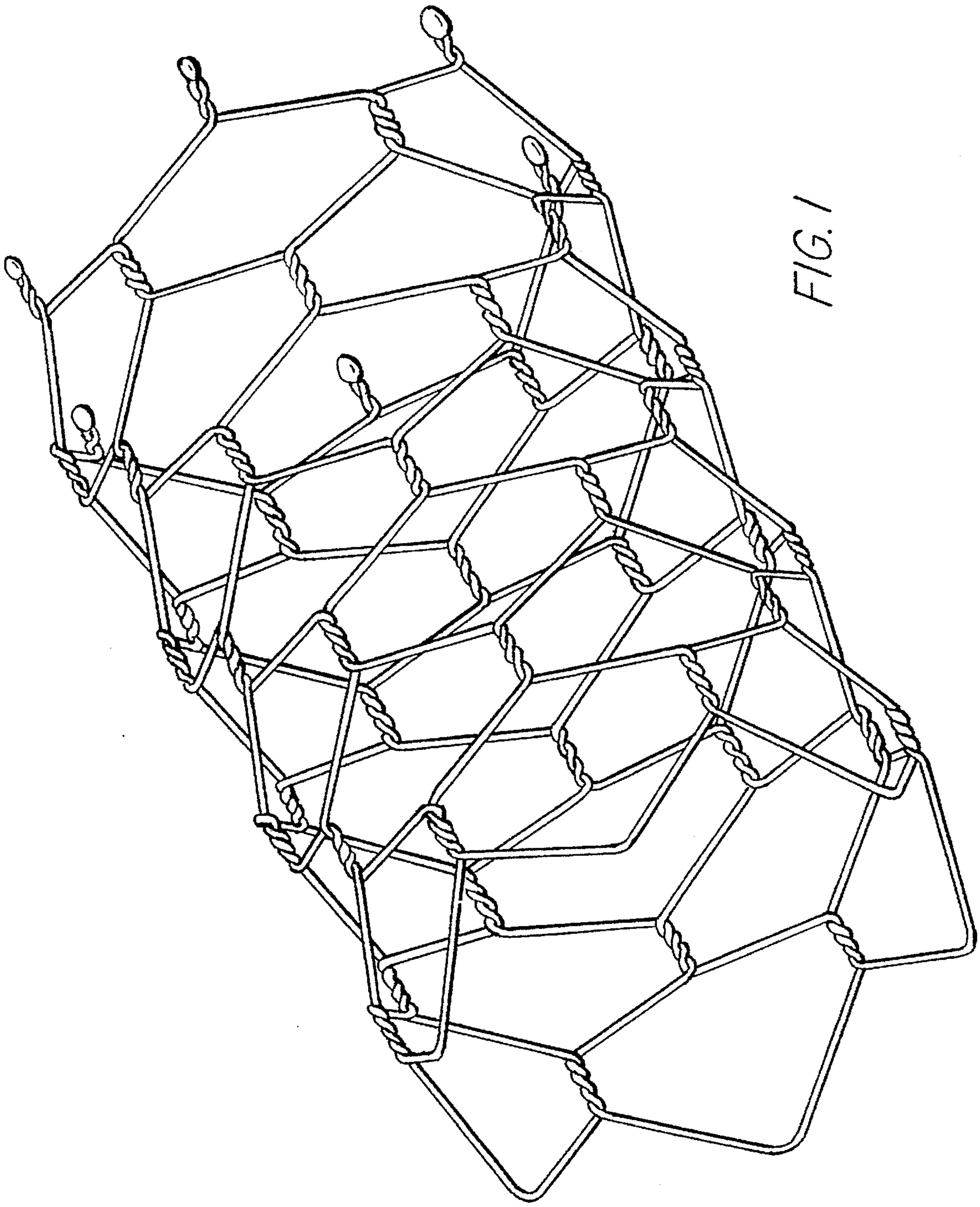


FIG. 1

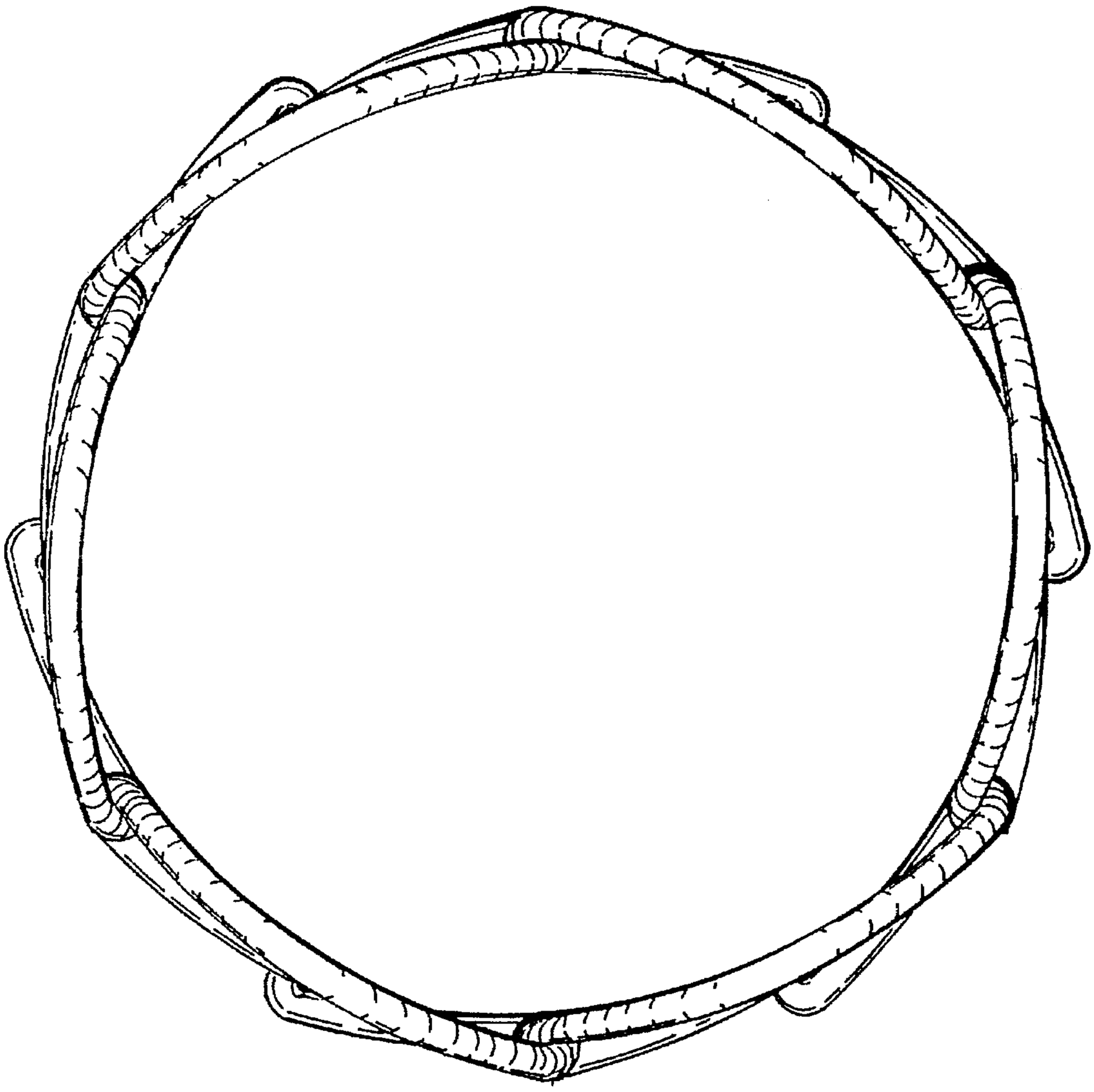


FIG. 2

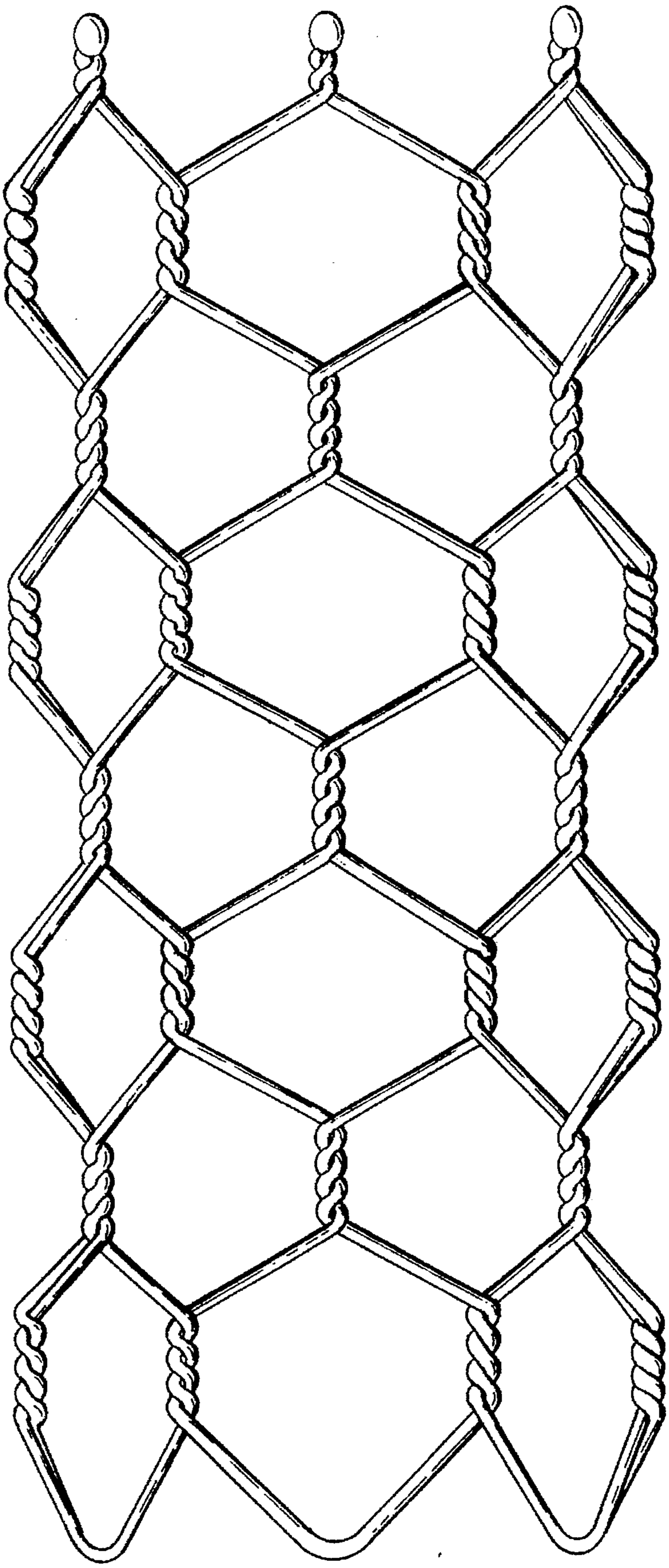


FIG. 3

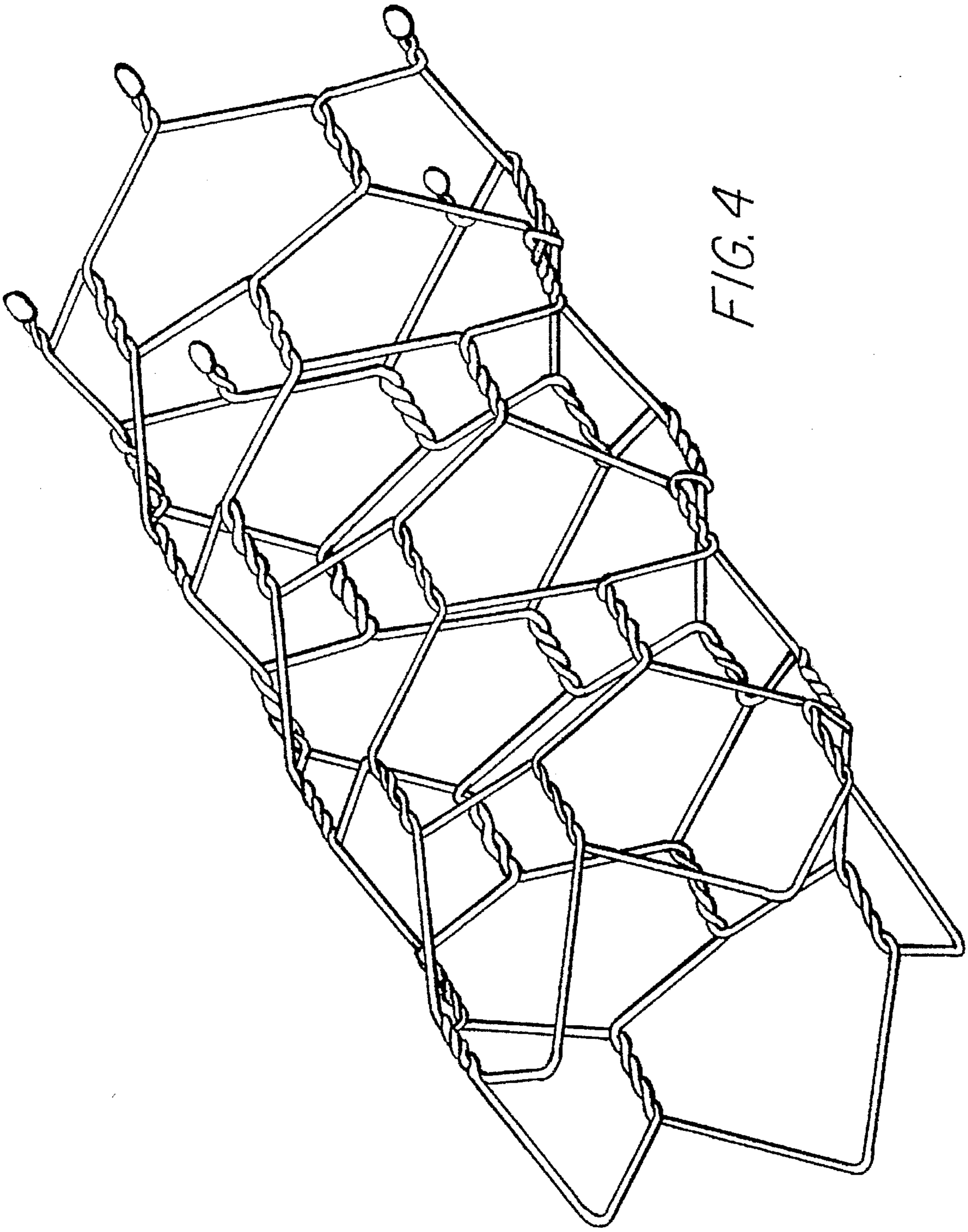


FIG. 4

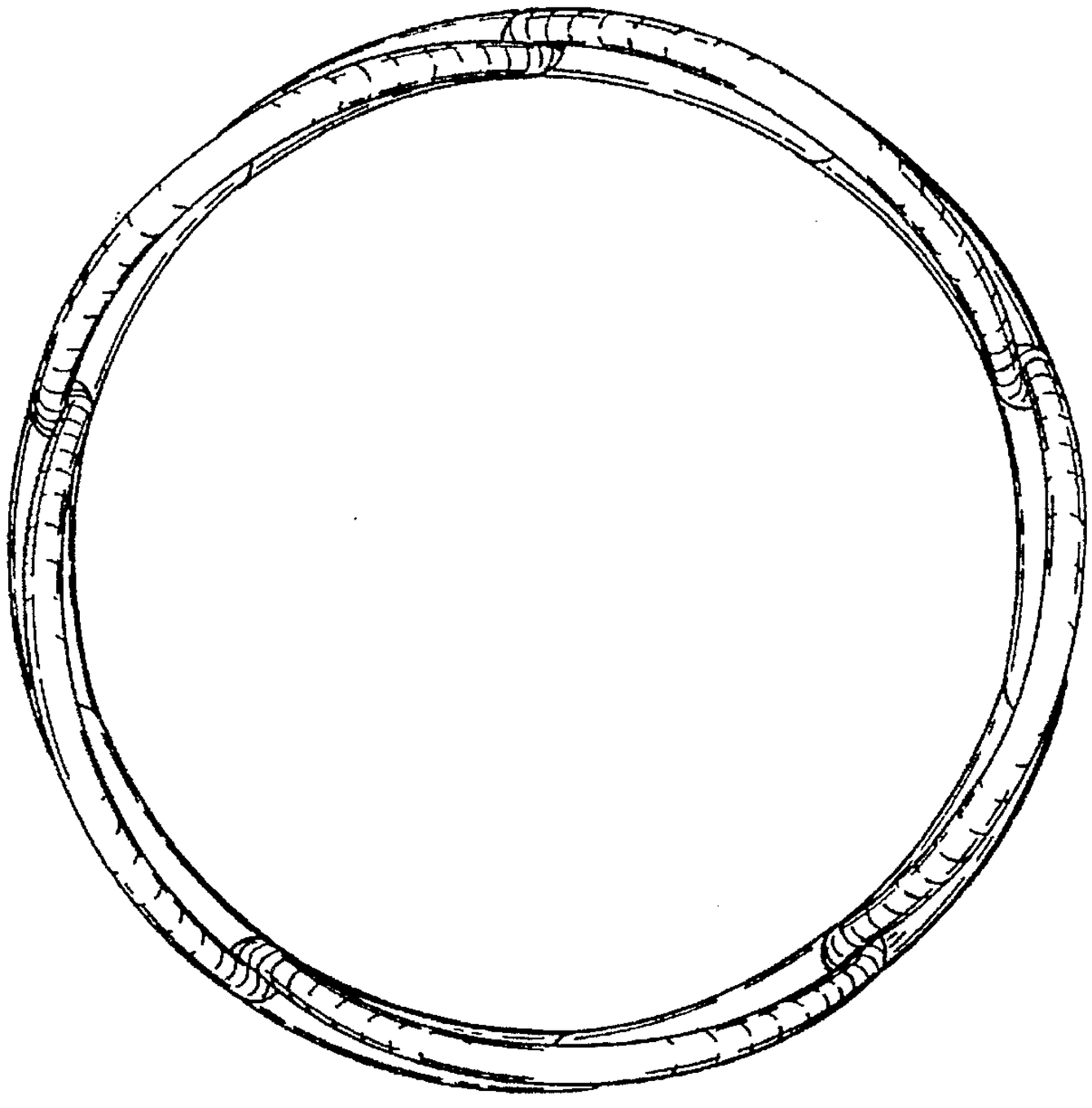


FIG. 7

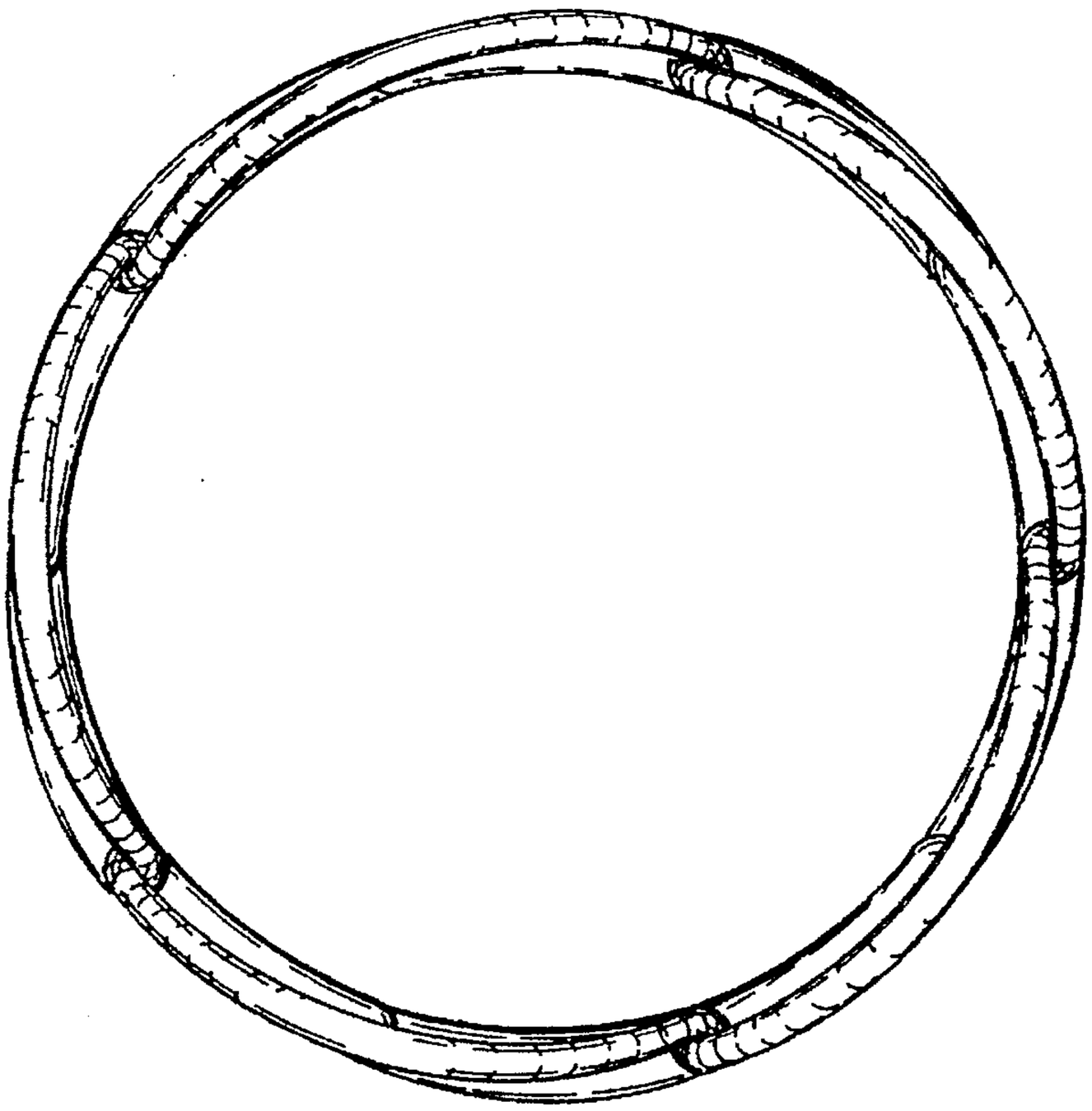


FIG. 5

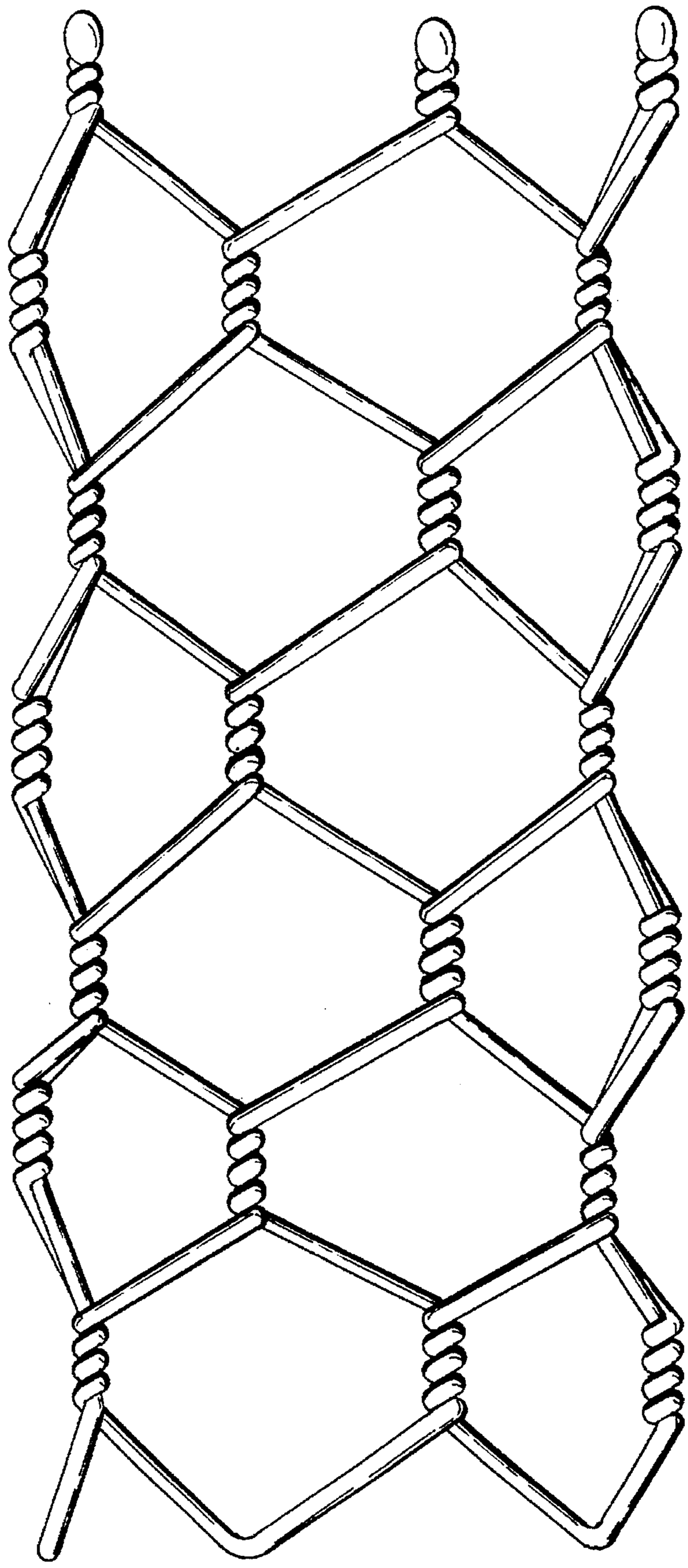


FIG. 6

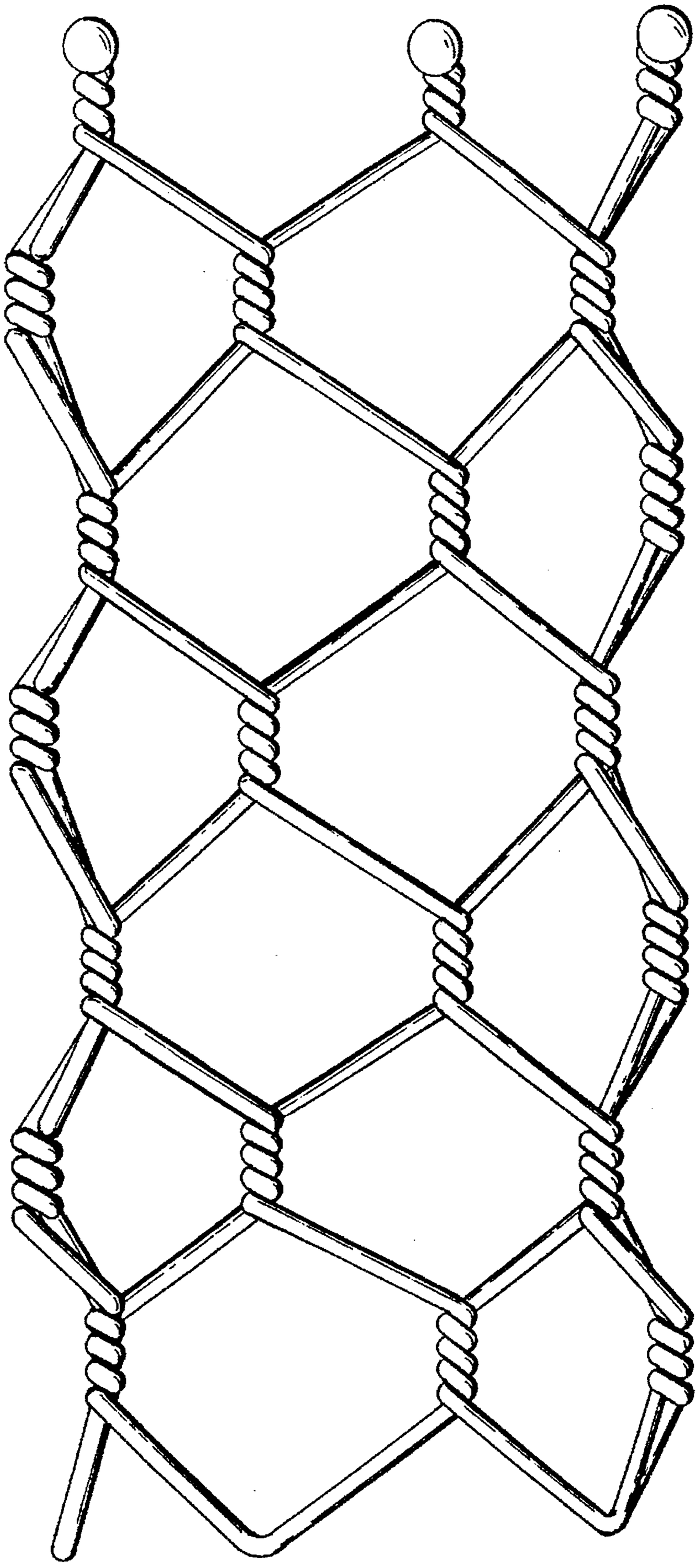


FIG. 8