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(12) **United States Design Patent** (10) **Patent No.:** **US D927,931 S**
Kuchinski et al. (45) **Date of Patent:** **** Aug. 17, 2021**

(54) **MIXING IMPELLER**

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

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(51) **LOC (13) Cl.** **31-00**

(52) **U.S. Cl.**
USPC **D7/412; D7/376; D7/378; D7/383**

(58) **Field of Classification Search**

USPC D7/372, 376-386, 412-413, 602, 629, D7/665-666, 669, 679, 693-694; D13/115; D23/200; D24/220
 CPC A21C 1/02; A21C 1/04; A23N 1/00; A23N 1/02; A47J 43/04; A47J 43/25; A47J 43/27; A47J 43/042; A47J 43/044; A47J 43/046; A47J 43/075; A47J 43/0722; A47J 43/0727; B01F 3/00; B01F 3/0807; B01F 3/0853; B01F 7/00341; B01F 7/00633; B01F 7/22; B01F 13/0059; B01F 13/0064; B01F 15/00019; B02C 1/08; B02C 2/04; B02C 4/42; B02C 4/142; B02C 4/143; B02C 4/423; B02C 13/1835; B02C 18/20; B28C 5/10; B28C 5/12; B28C 5/14; B28C 5/16

See application file for complete search history.

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(57) **CLAIM**

The ornamental design for mixing impeller, as shown and described.

DESCRIPTION

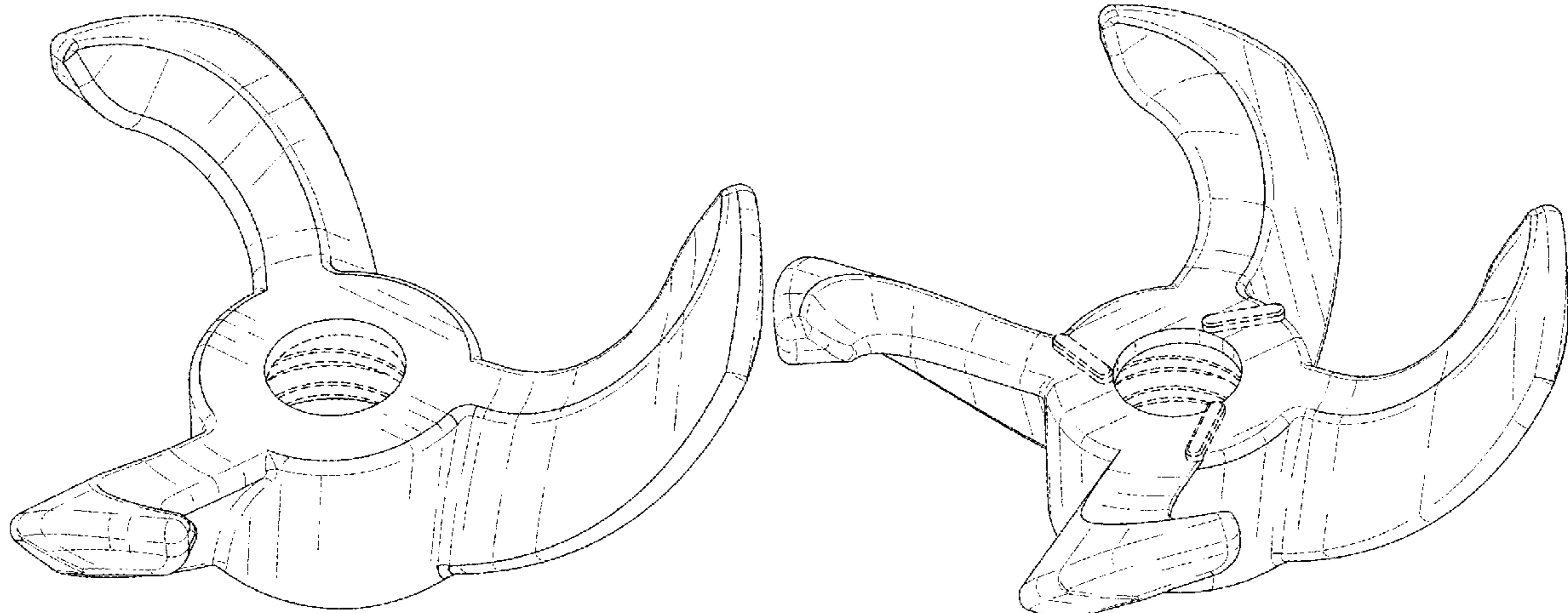
FIG. 1 is a top perspective view of a mixing impeller showing an embodiment of our new design; FIG. 2 is a bottom perspective view thereof; FIG. 3 is a front view thereof; FIG. 4 is a right side view thereof; FIG. 5 is a top view thereof; FIG. 6 is a bottom view thereof; FIG. 7 is a top perspective view of a mixing impeller showing another embodiment of our new design; FIG. 8 is a bottom perspective view thereof; FIG. 9 is a front view thereof; FIG. 10 is a top view thereof; and, FIG. 11 is a bottom view thereof.

The broken lines are for environmental purposes only and form no part of the claimed design.

The mixing impeller of the embodiment of FIGS. 1-6 is rotationally symmetrical at 120° intervals around a central vertical axis thereof.

The mixing impeller of the embodiment of FIGS. 7-11 is being rotationally symmetrical at 90° intervals around a central vertical axis thereof, such that the right side, left side and rear views are substantially identical to the front view of FIG. 9.

1 Claim, 6 Drawing Sheets



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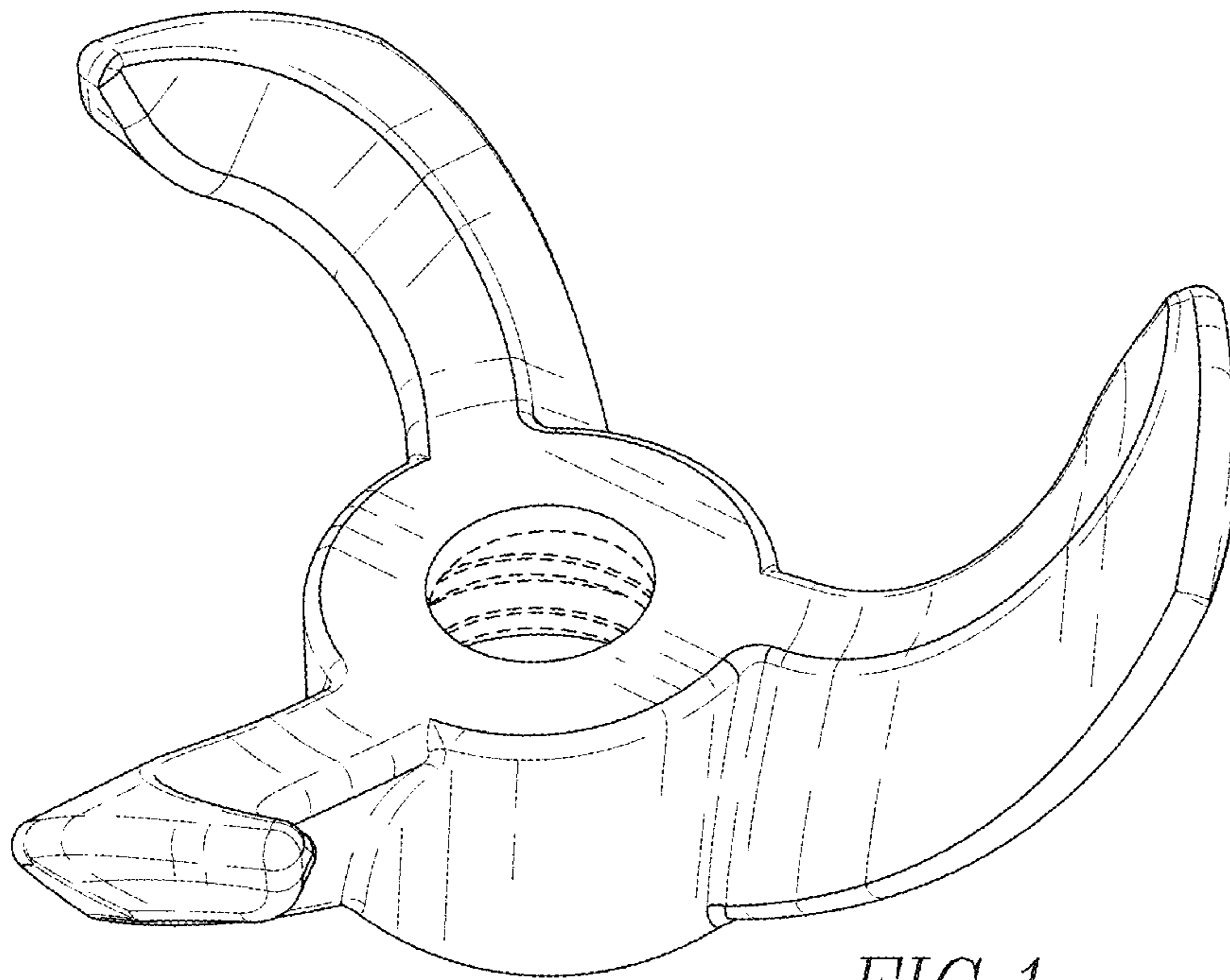


FIG. 1

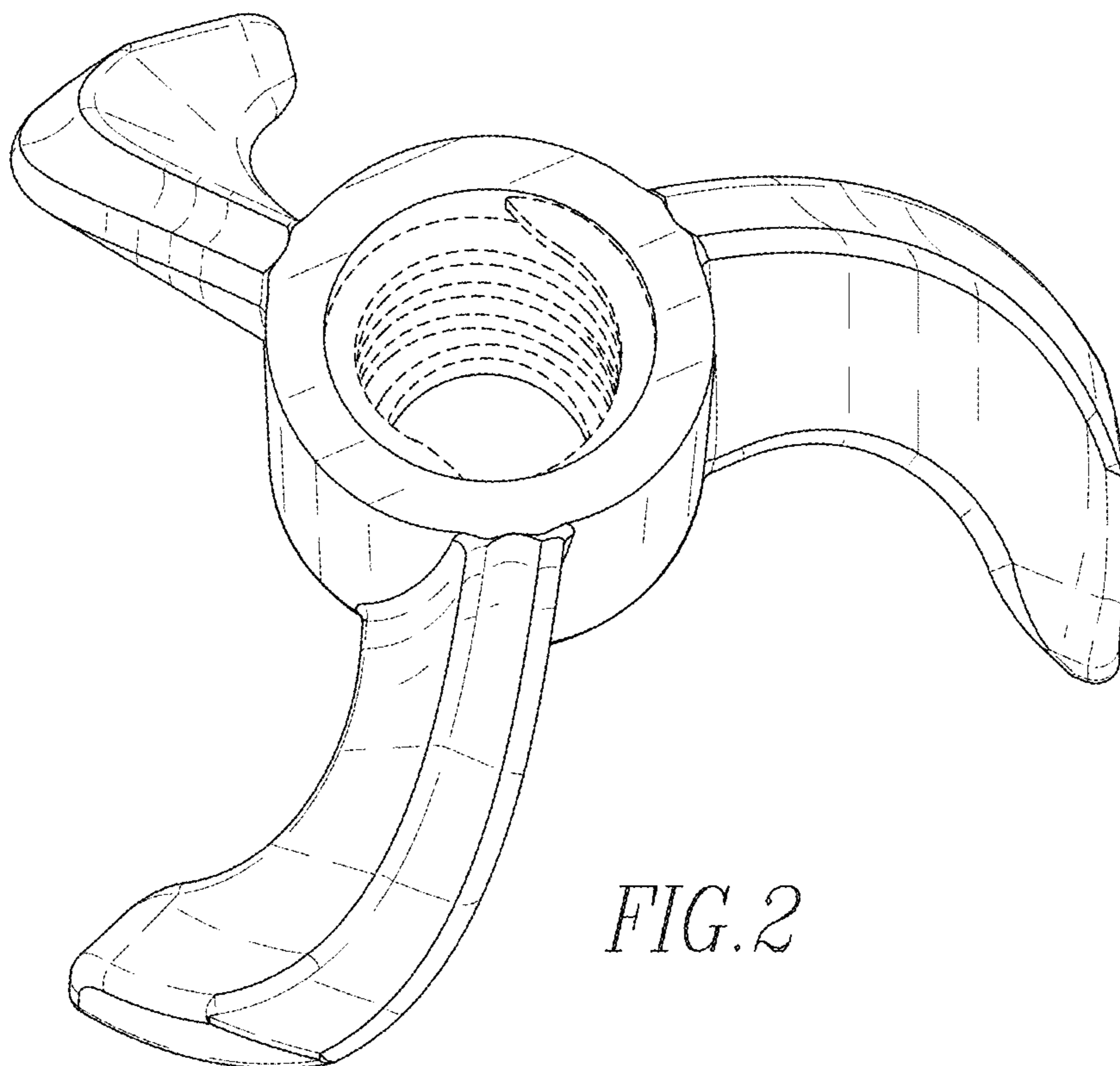


FIG. 2

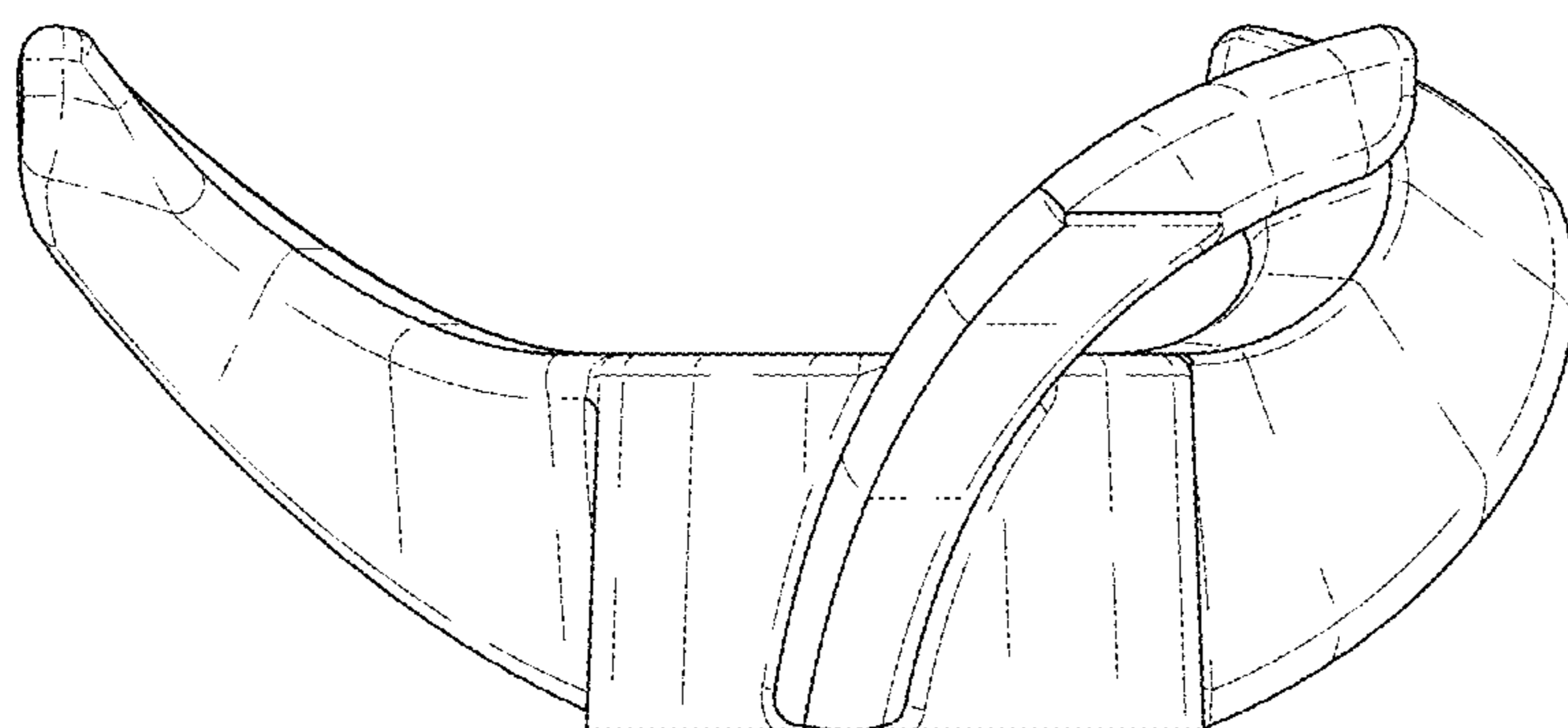


FIG. 3

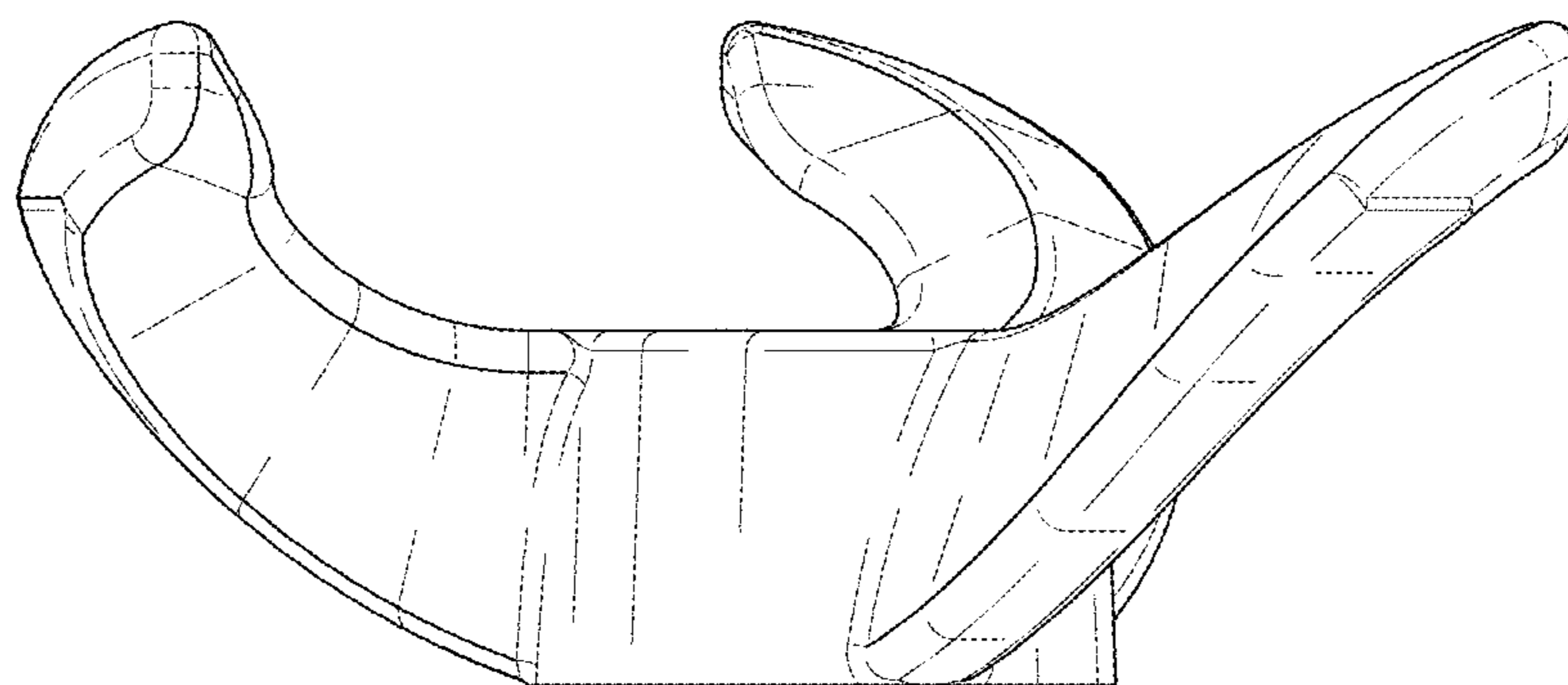


FIG. 4

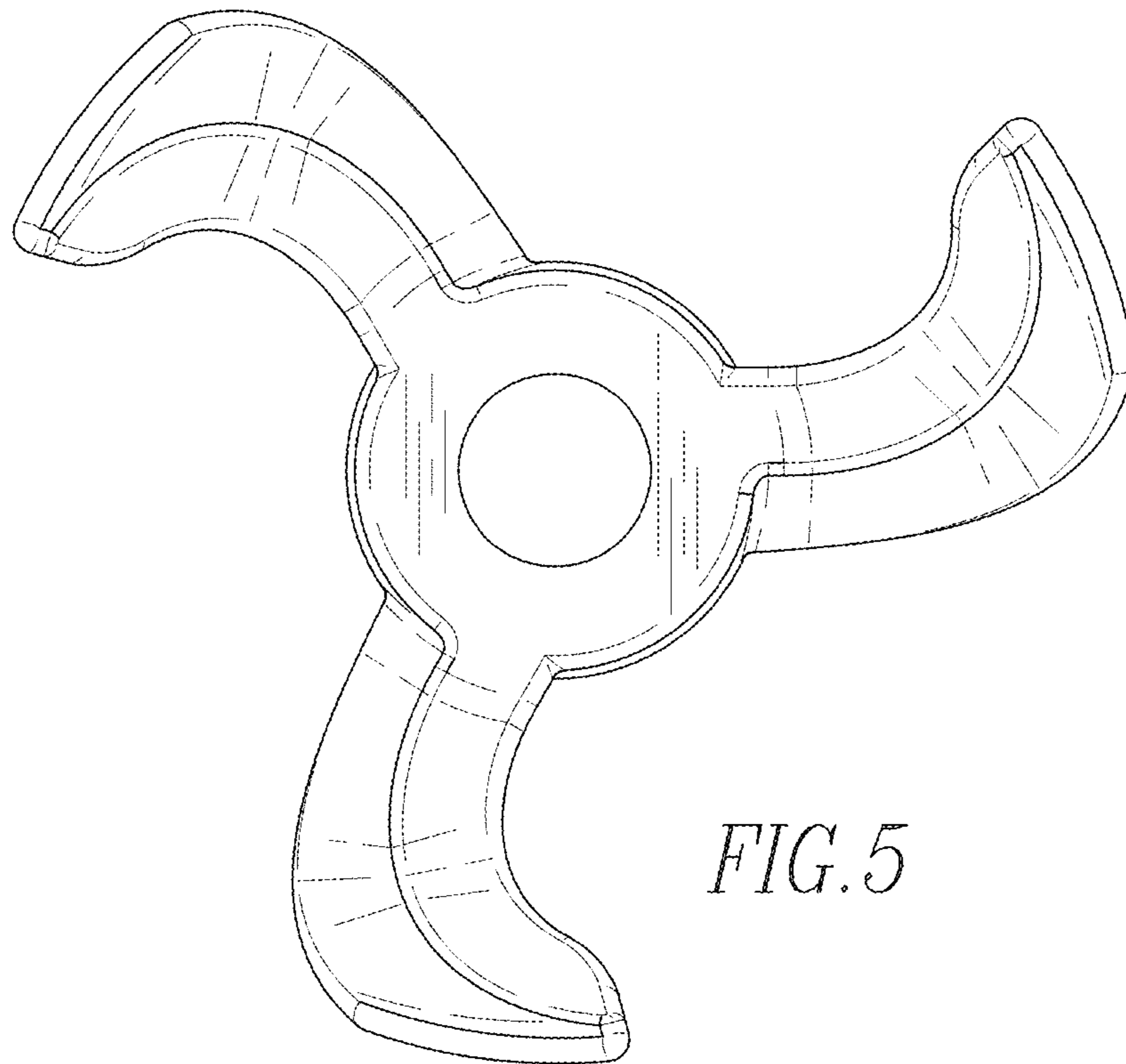


FIG. 5

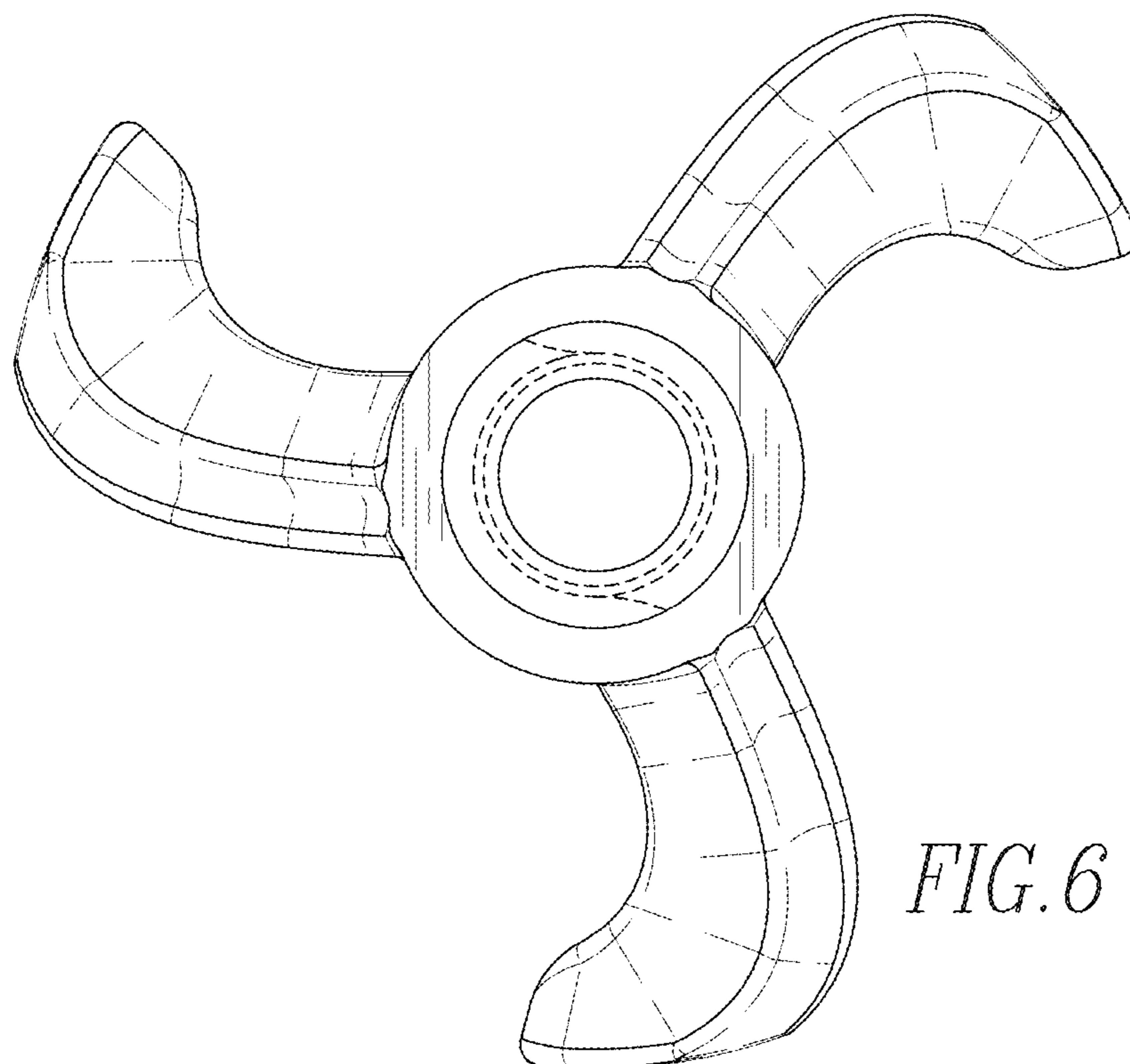


FIG. 6

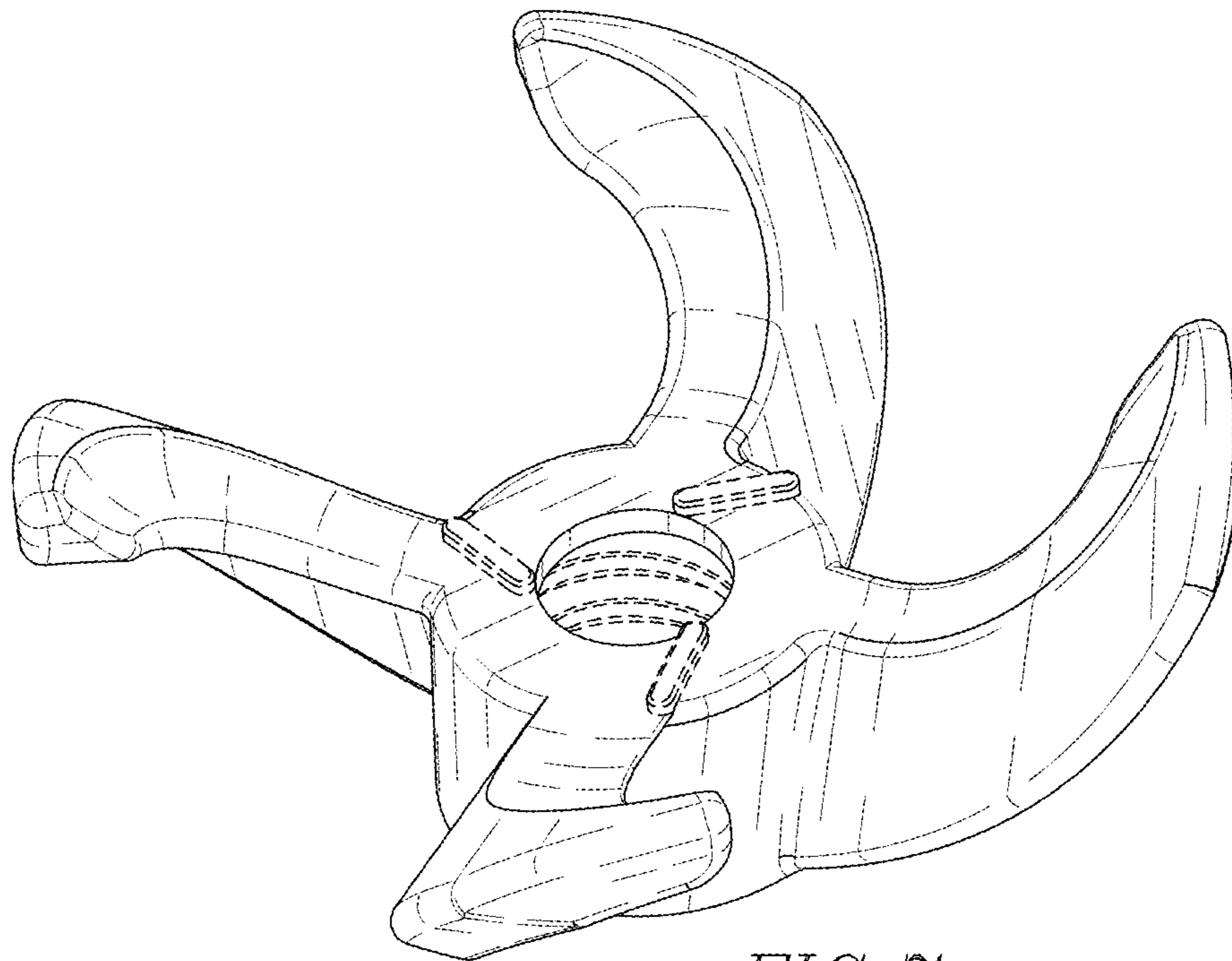


FIG. 7

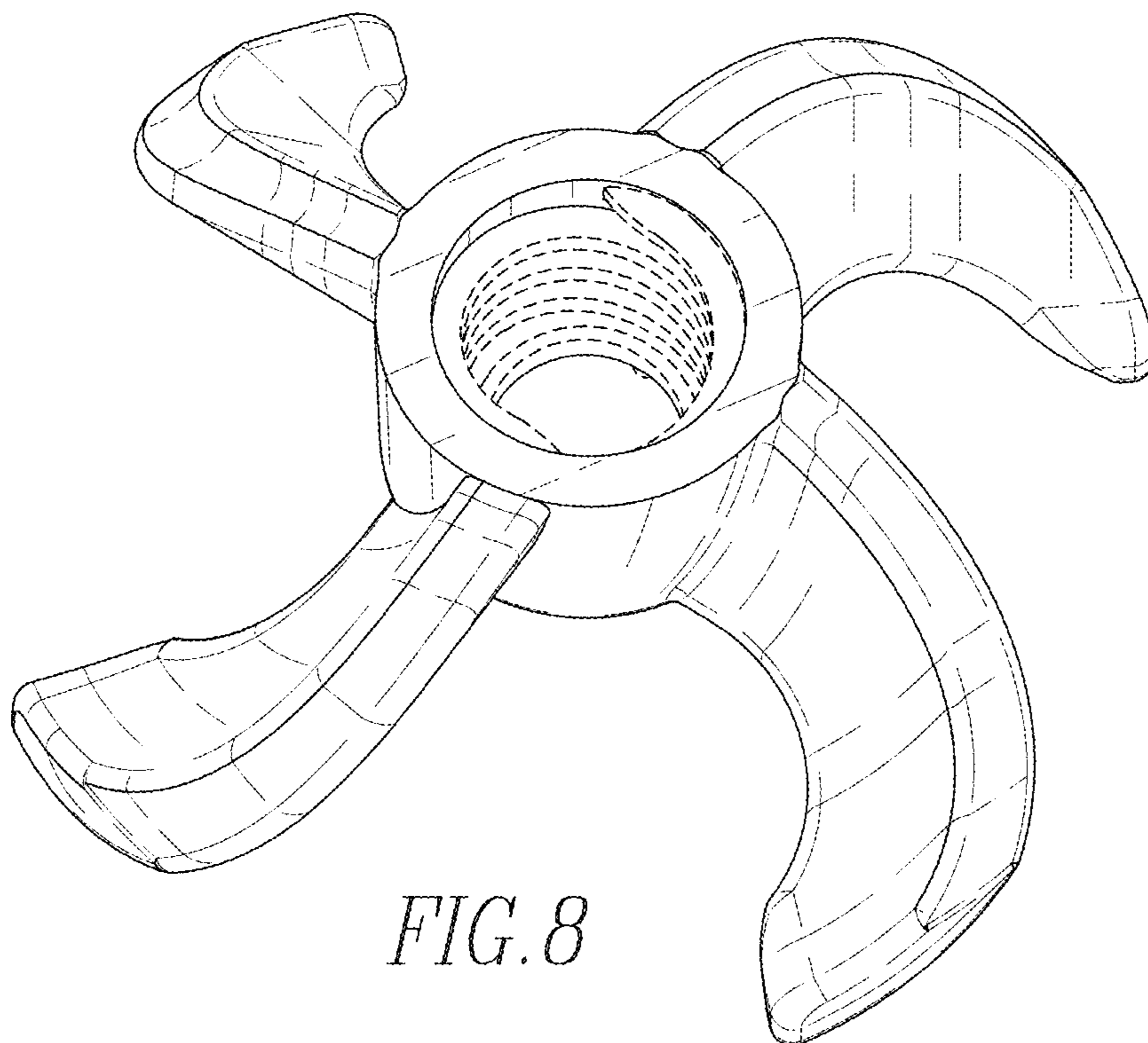


FIG. 8

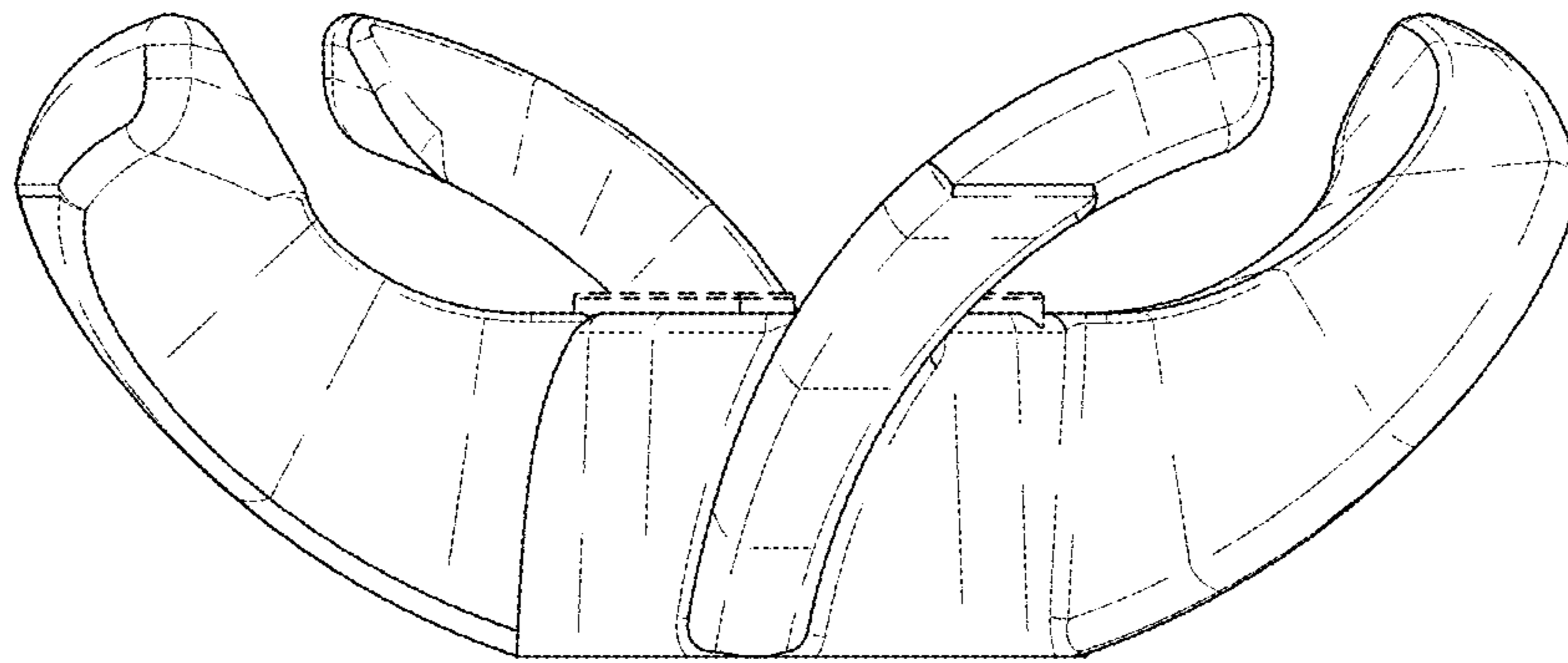


FIG. 9

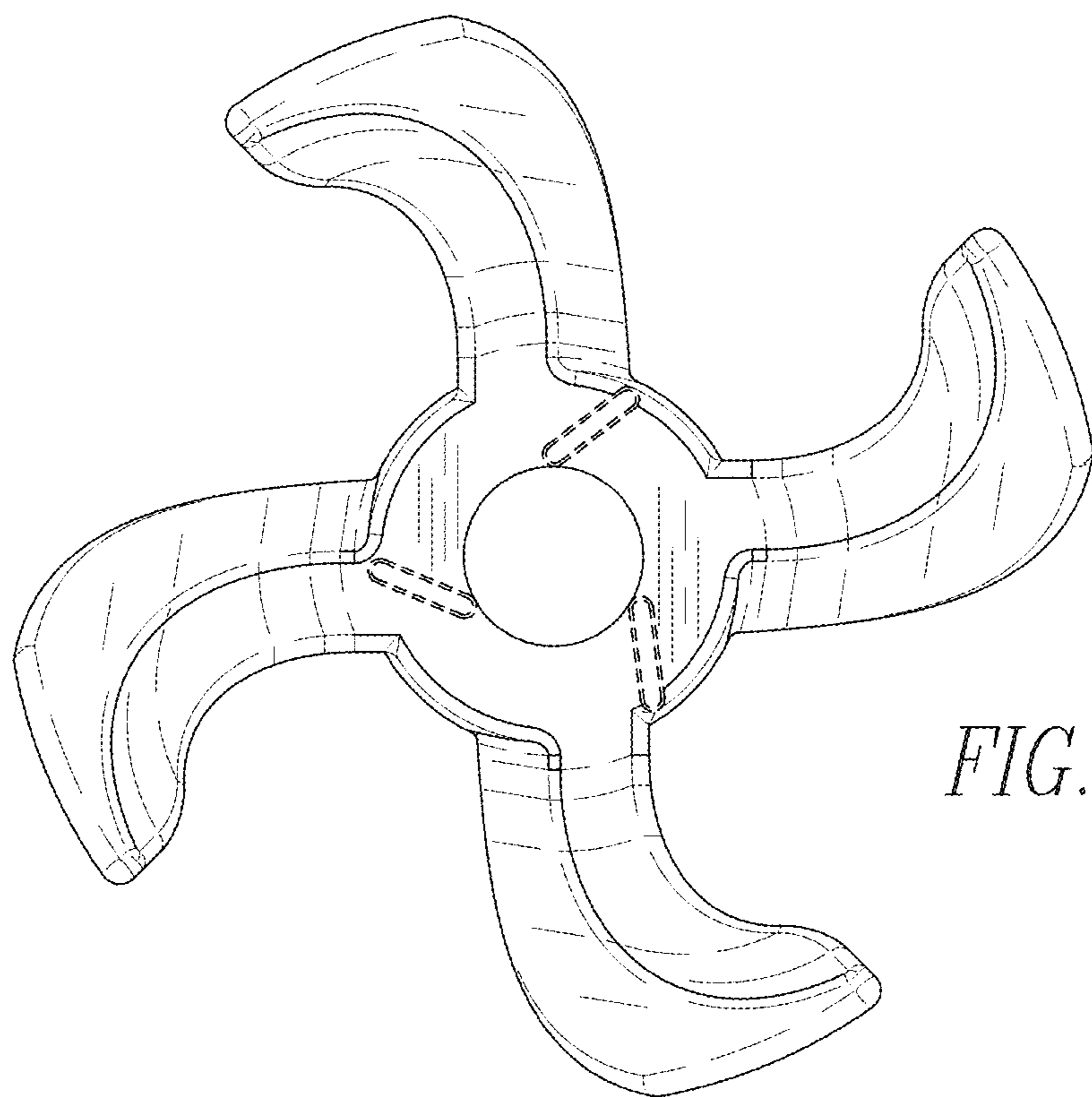


FIG. 10

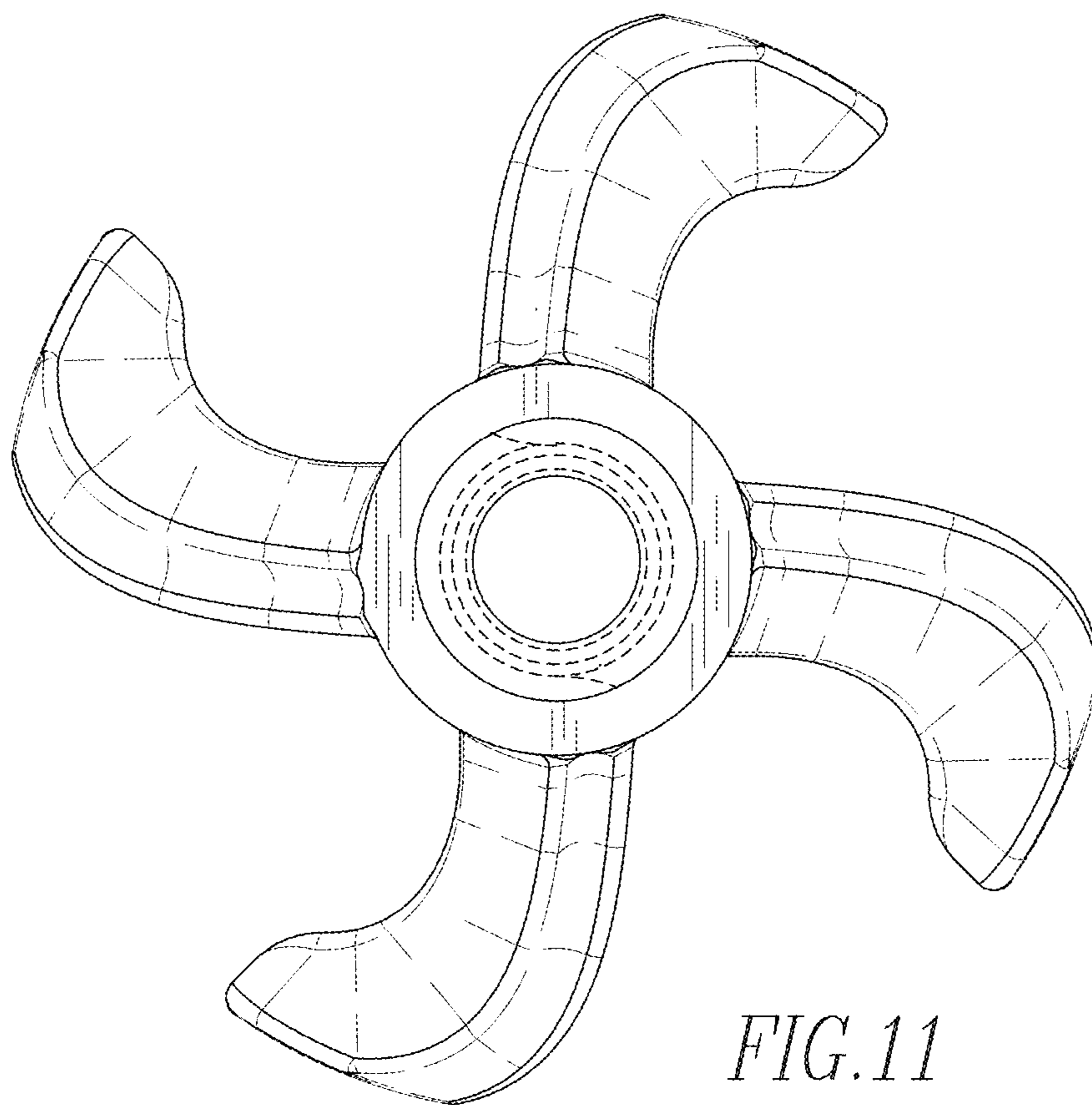


FIG. 11