



US00D864837S

(12) **United States Design Patent**
Catto

(10) **Patent No.:** **US D864,837 S**

(45) **Date of Patent:** **** Oct. 29, 2019**

- (54) **ELLIPTICAL PROPELLER**
- (71) Applicant: **North American Aerospace Corporation**, West Kelowna (CA)
- (72) Inventor: **Craig Catto**, Jackson, CA (US)
- (73) Assignee: **NORTH AMERICAN AEROSPACE CORPORATION**, British Columbia (CA)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/660,785**
- (22) Filed: **Aug. 22, 2018**
- (51) **LOC (12) Cl.** **12-16**
- (52) **U.S. Cl.**
USPC **D12/214**
- (58) **Field of Classification Search**
USPC D12/214, 317, 319, 344, 16.1, 328, 330,
D12/345; D15/4, 5; D21/441; D23/411,
D23/413; D13/115
CPC B63H 1/18; B63H 1/20; B63H 1/26; B64C
11/00; B64C 11/02; B64C 11/16; B64C
27/08; B64C 39/024; B64C 2201/108
See application file for complete search history.

- (56) **References Cited**
U.S. PATENT DOCUMENTS
123,274 A * 1/1872 McCay F04D 29/34
416/214 R
D33,386 S * 10/1900 Rondell D12/214
746,007 A * 12/1903 Bruncker F04D 29/666
416/203
1,665,789 A * 4/1928 Nichols B01F 7/00016
416/219 R
1,991,095 A * 2/1935 Hochstetter F04D 29/386
416/238
D138,866 S * 9/1944 Orsett D12/214
D141,235 S * 5/1945 Birsh D12/214

- 3,002,266 A * 10/1961 Lynn B63H 1/18
29/889.6
- D262,791 S * 1/1982 Piarulli 416/197 R
- D319,210 S * 8/1991 Koepsel D12/214
- 5,104,292 A * 4/1992 Koepsel B63H 1/26
416/223 R
- 5,236,310 A * 8/1993 Koepsel B63H 1/26
416/223 R
- D452,205 S * 12/2001 Eisenbraun D12/162
- 6,644,926 B1 * 11/2003 Vandyke B63H 1/18
416/228
- 7,025,642 B1 * 4/2006 Baylor B63H 1/14
416/197 R
- 7,357,686 B2 * 4/2008 Lin B63H 1/20
416/153
- D575,219 S * 8/2008 Duffield D12/214
- D576,538 S * 9/2008 Schulze D12/214

(Continued)

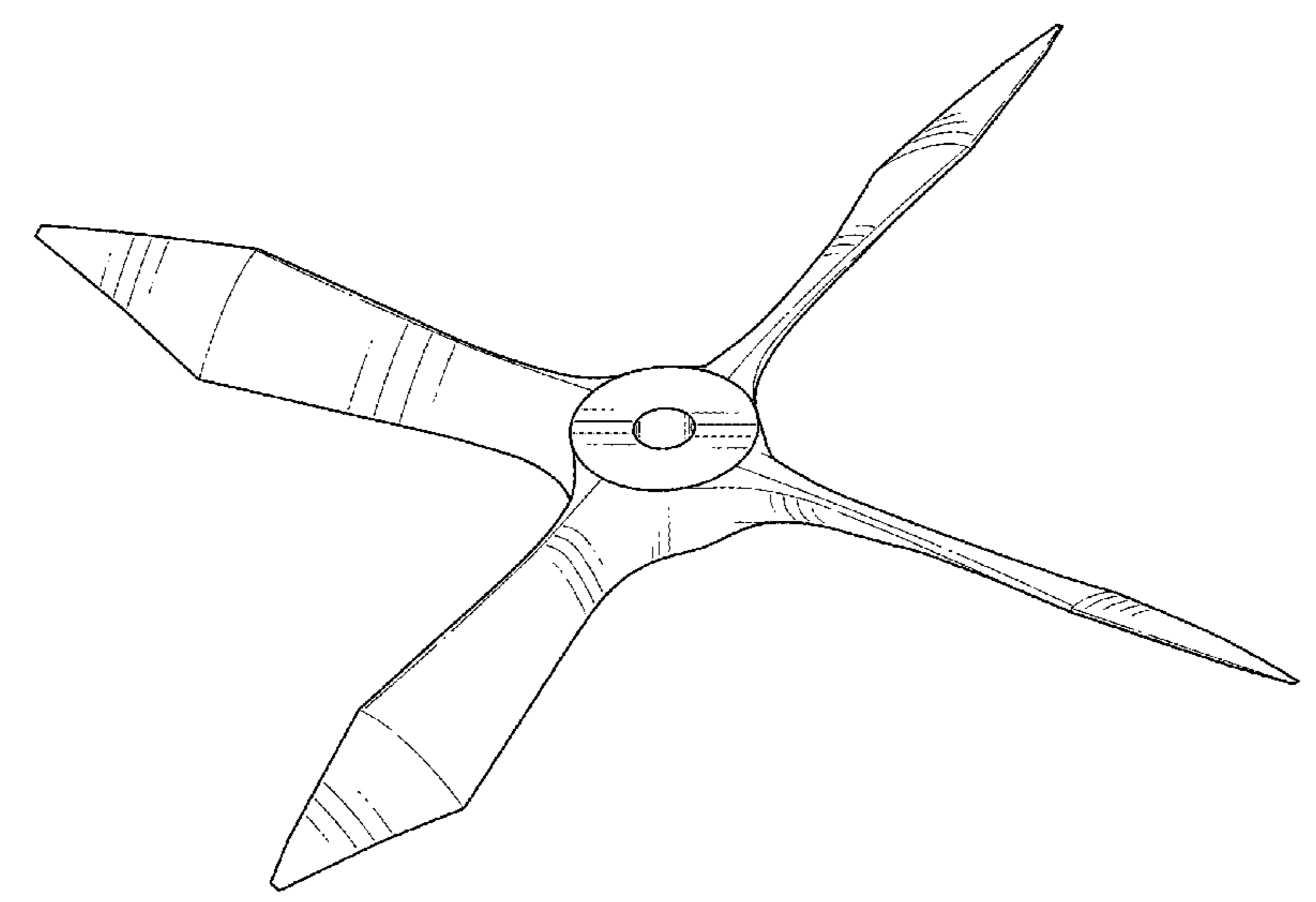
Primary Examiner — Michelle E. Wilson
Assistant Examiner — Clese Moore, Jr.
(74) *Attorney, Agent, or Firm* — Fenwick & West LLP

(57) **CLAIM**
The ornamental design for an elliptical propeller, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of an elliptical propeller; FIG. 2 is a rear perspective view thereof; FIG. 3 is a top elevational view thereof; FIG. 4 is a bottom elevational view thereof; FIG. 5 is a left side elevational view thereof; FIG. 6 is a right side elevational view thereof; FIG. 7 is a front plan view thereof; and, FIG. 8 is a rear plan view thereof. The broken lines in the drawings showing portions of the elliptical propeller are included for the purpose of illustrating environmental structure and form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

7,429,163	B2 *	9/2008	Patterson	B63H 1/26
					416/198 R
D658,563	S *	5/2012	Hwang	D12/214
D769,786	S *	10/2016	Xiao	D12/214
D826,132	S *	8/2018	Hanscom	D12/214

* cited by examiner

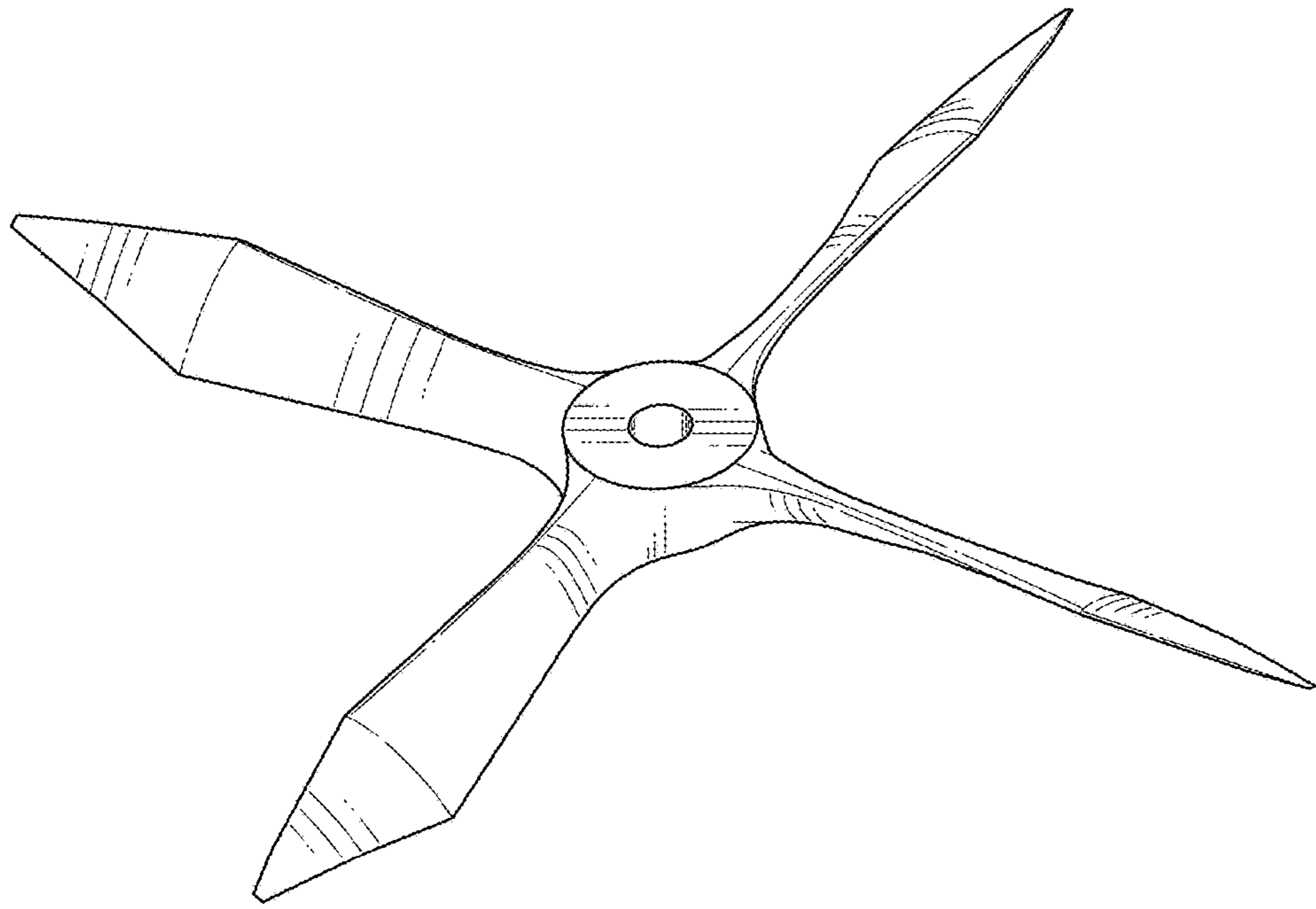


FIG. 1

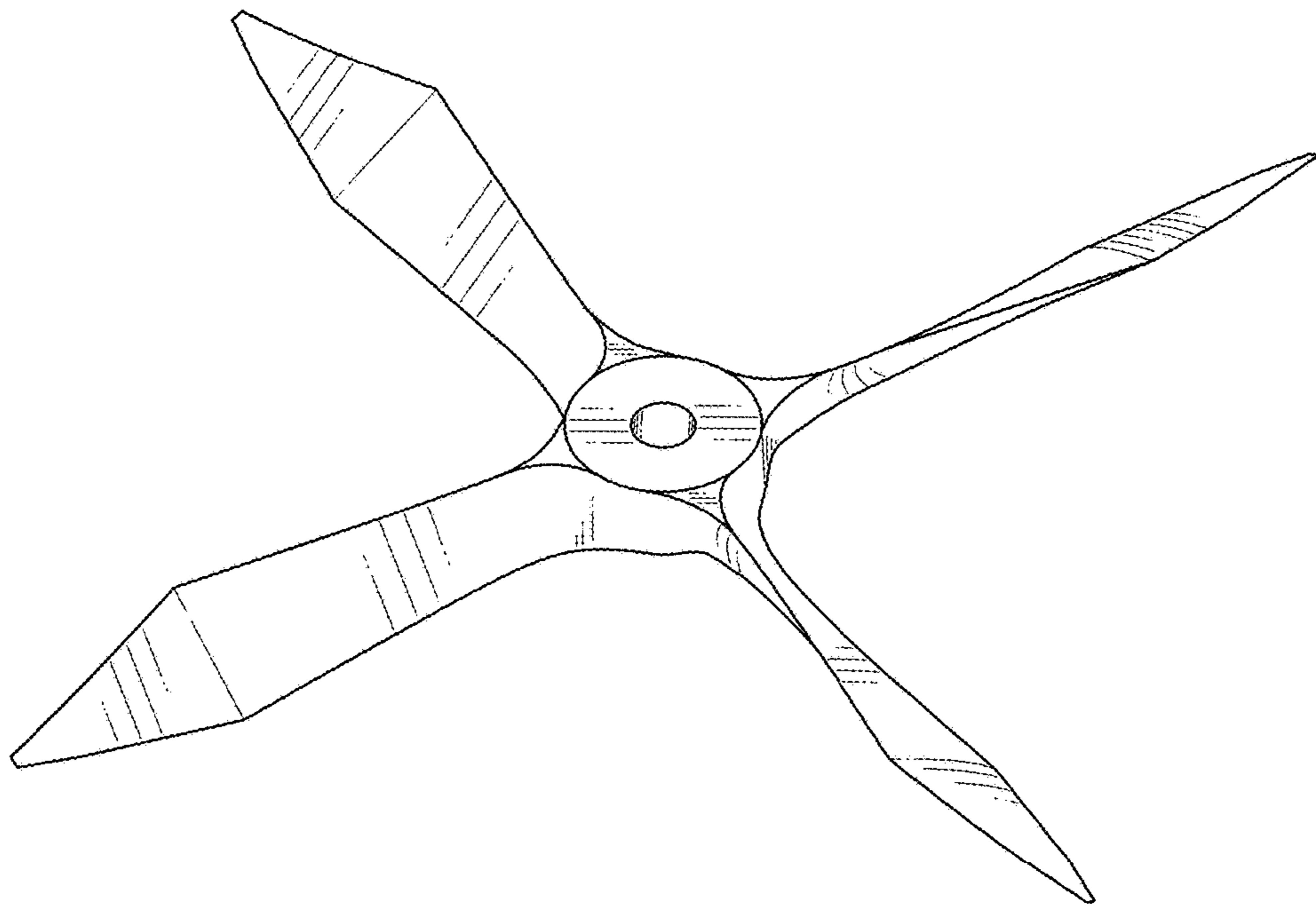


FIG. 2



FIG. 3

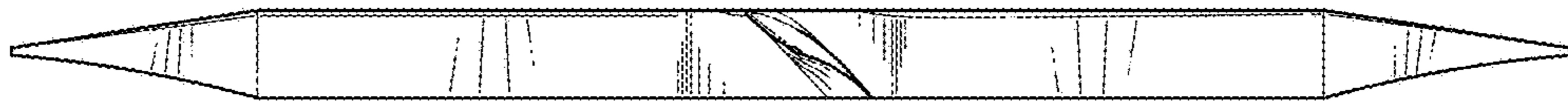


FIG. 4



FIG. 5



FIG. 6

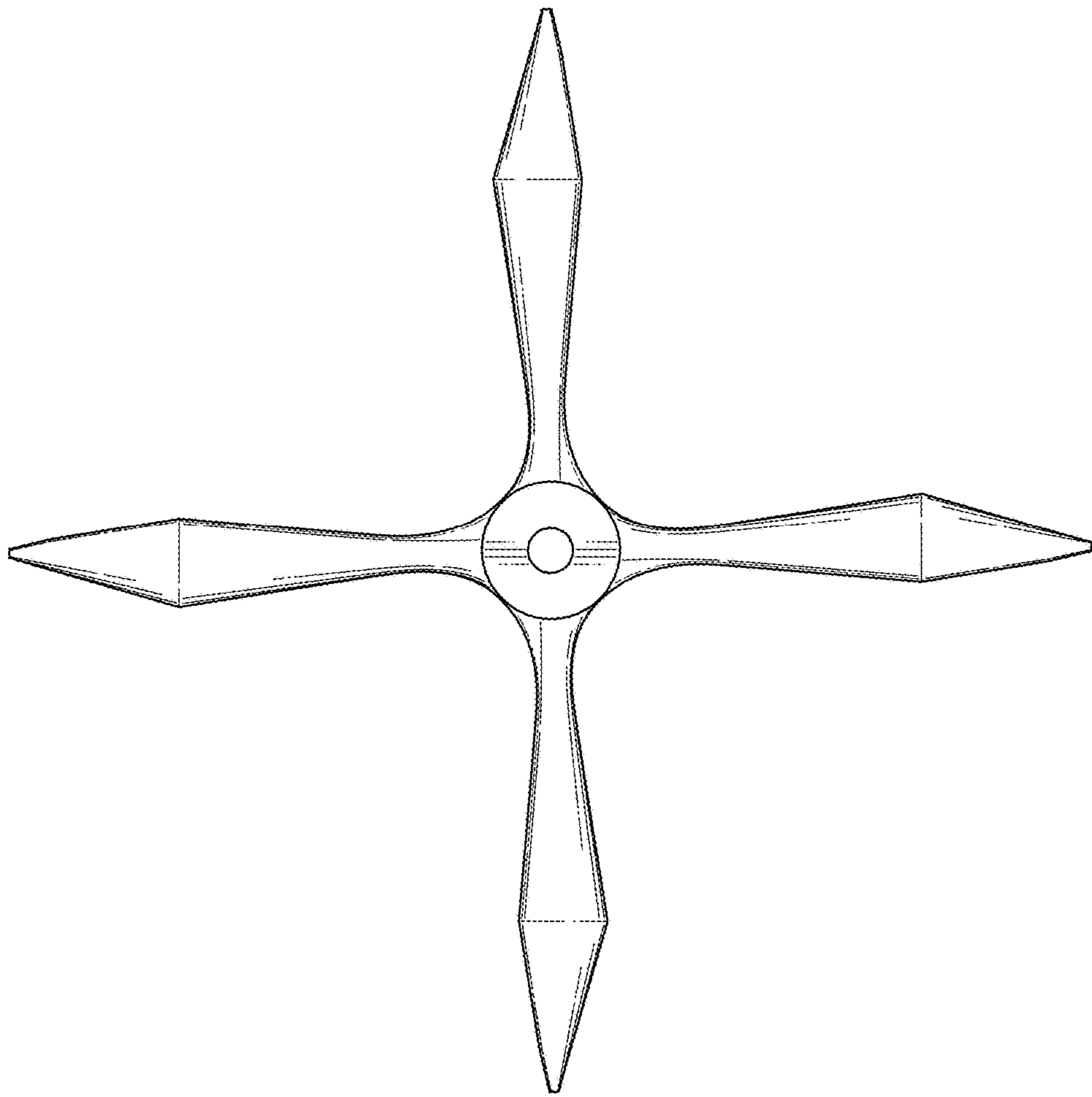


FIG. 7

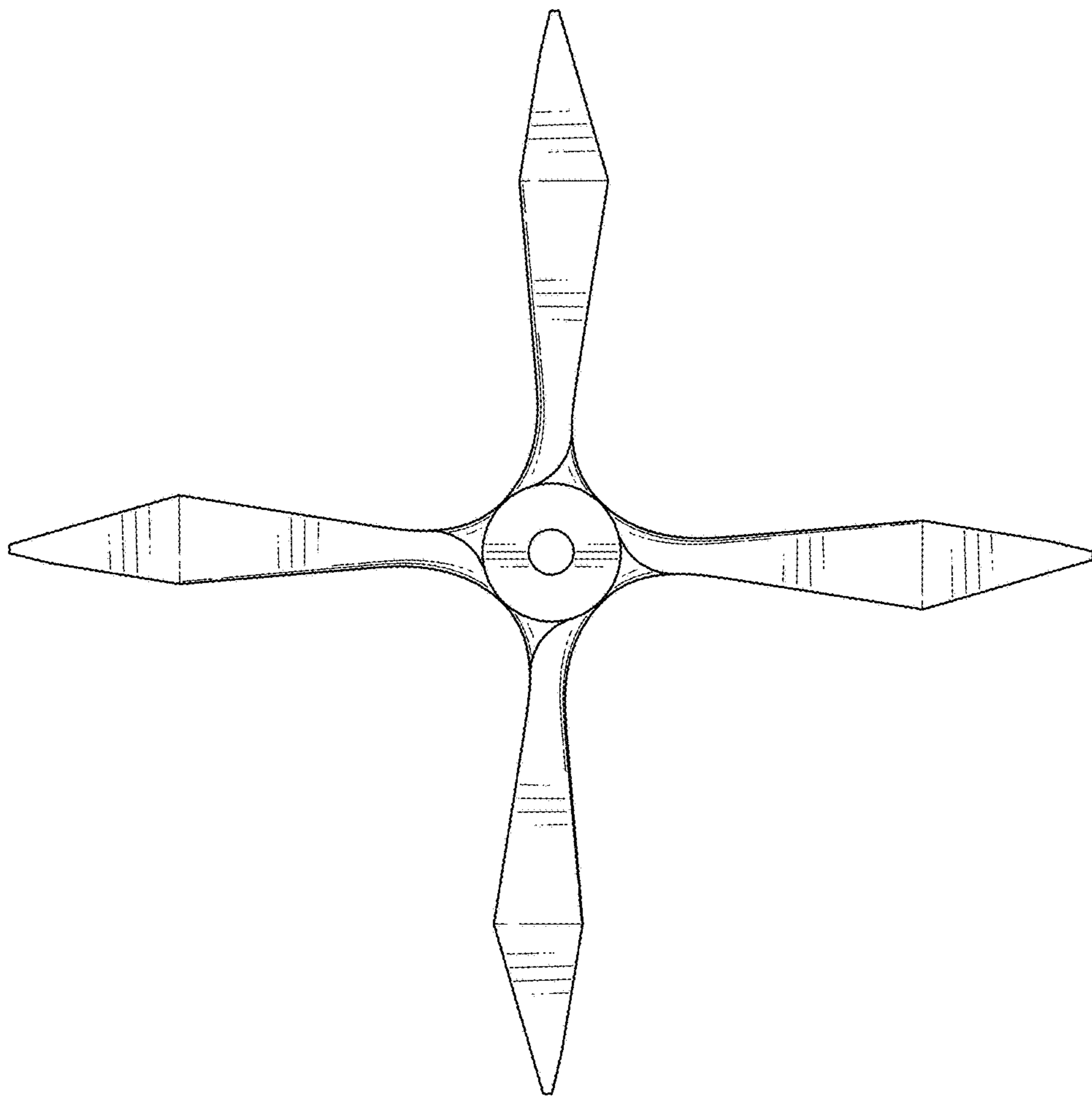


FIG. 8