



US00D719236S

(12) **United States Design Patent**
Kilcullen et al.

(10) **Patent No.:** **US D719,236 S**
(45) **Date of Patent:** **** Dec. 9, 2014**

- (54) **HOUSING ASSEMBLY FOR A PERIMETER BLASTING DEVICE**
- (71) Applicant: **Orica International Pte Ltd**, Singapore (SG)
- (72) Inventors: **Daniel Kilcullen**, Denver, CO (US); **Jon Stickrod**, Denver, CO (US); **Michael T. Williams**, Hallowell, KS (US); **Elizabeth Meikle**, Denver, CO (US); **Rick Beck**, Charlestown, IN (US); **Allain Martin**, Sudbury (CA); **Mike Lefrancois**, Sudbury (CA); **Neil McMullen**, Calgary (CA); **Neal Stanton**, Parker, CO (US)

5,216,197	A *	6/1993	Huber et al.	102/317
5,253,586	A *	10/1993	Worsey	102/313
5,765,923	A *	6/1998	Watson et al.	299/13
6,435,096	B1 *	8/2002	Watson	102/319
8,186,425	B2 *	5/2012	Smart et al.	166/63
2013/0247789	A1 *	9/2013	Alexander	102/313

- (73) Assignee: **Orica International Pte Ltd**, Singapore (SG)

(**) Term: **14 Years**

(21) Appl. No.: **29/451,524**

(22) Filed: **Apr. 3, 2013**

(51) **LOC (10) Cl.** **22-03**

(52) **U.S. Cl.**
USPC **D22/112**

(58) **Field of Classification Search**
USPC D22/112; 86/20.1-20.15; 102/301-333;
89/1.13

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,954,058	A *	5/1976	Sanders et al.	102/333
4,632,034	A *	12/1986	Colle, Jr.	102/312
4,969,525	A *	11/1990	George et al.	166/297

OTHER PUBLICATIONS

Orica, "Technical Data Sheet—Senatel™ Razorback™."
Johnex Explosives, "Econotrim Buttbuster."

* cited by examiner

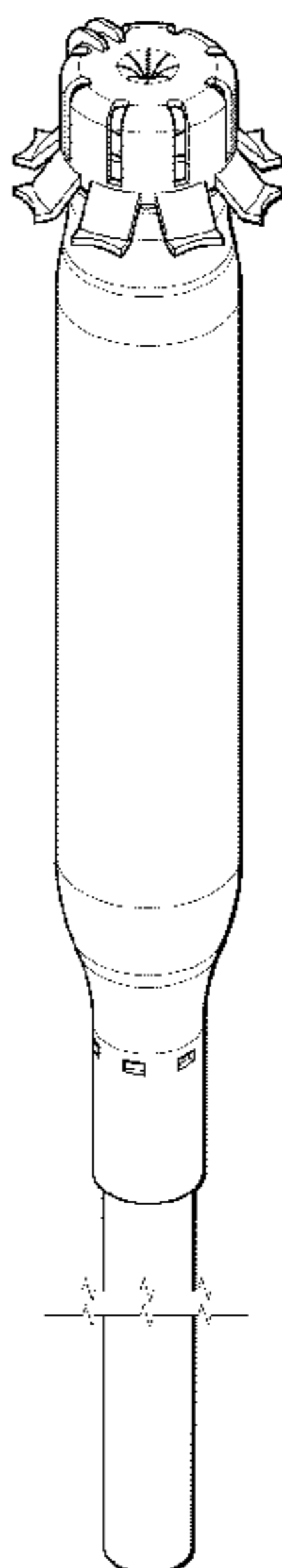
Primary Examiner — Michael A Pratt
(74) *Attorney, Agent, or Firm* — Saidman DesignLaw Group, LLC

(57) **CLAIM**
The ornamental design for a housing assembly for a perimeter blasting device, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a housing assembly for a perimeter blasting device showing our new design; FIG. 2 is a front view thereof; FIG. 3 is a rear view thereof; FIG. 4 is a left side view thereof, the right side view being a mirror image thereof; FIG. 5 is a top view thereof; and, FIG. 6 is a bottom view thereof. FIGS. 1-6 include CAD lines that represent contour, not surface ornamentation. FIGS. 1-6 are illustrated as if light is projected from the upper left and accordingly, the thickness of some edges appears exaggerated to represent shadow, which forms no part of the claimed design. The parallel jagged lines in FIGS. 1-4 represent indeterminate length and form no part of the claimed design.

1 Claim, 5 Drawing Sheets



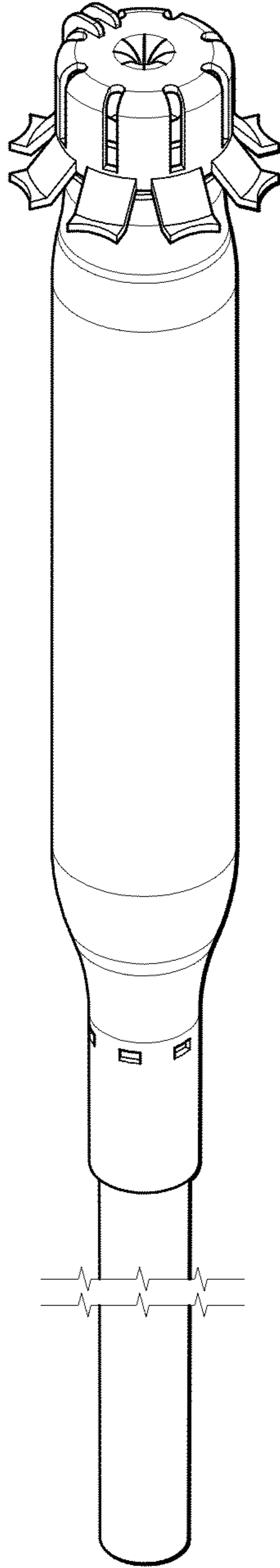


FIG. 1

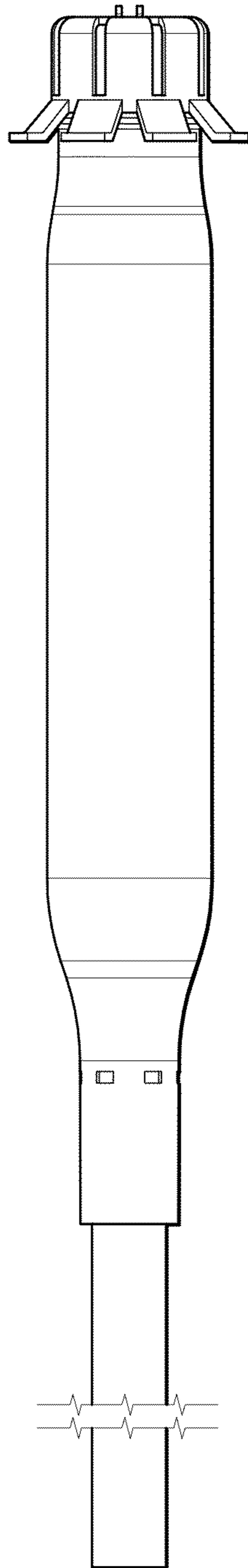


FIG. 2

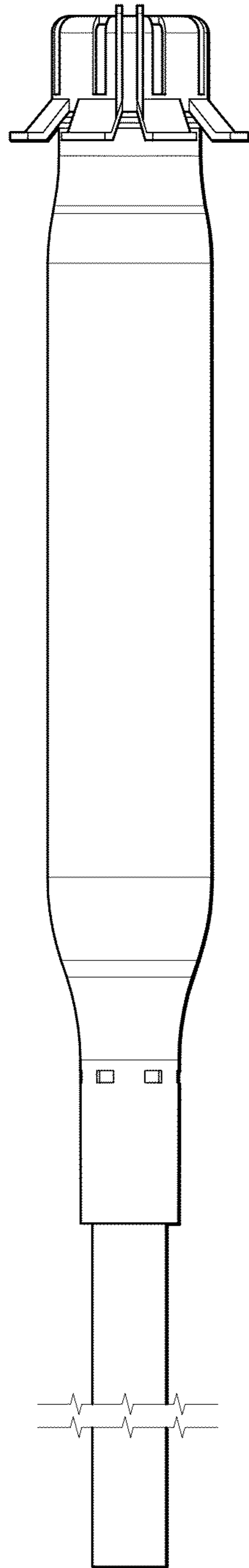


FIG. 3

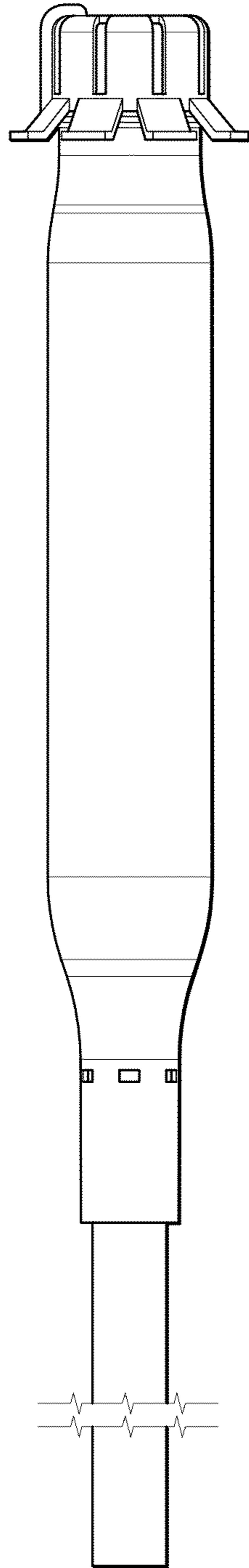


FIG. 4

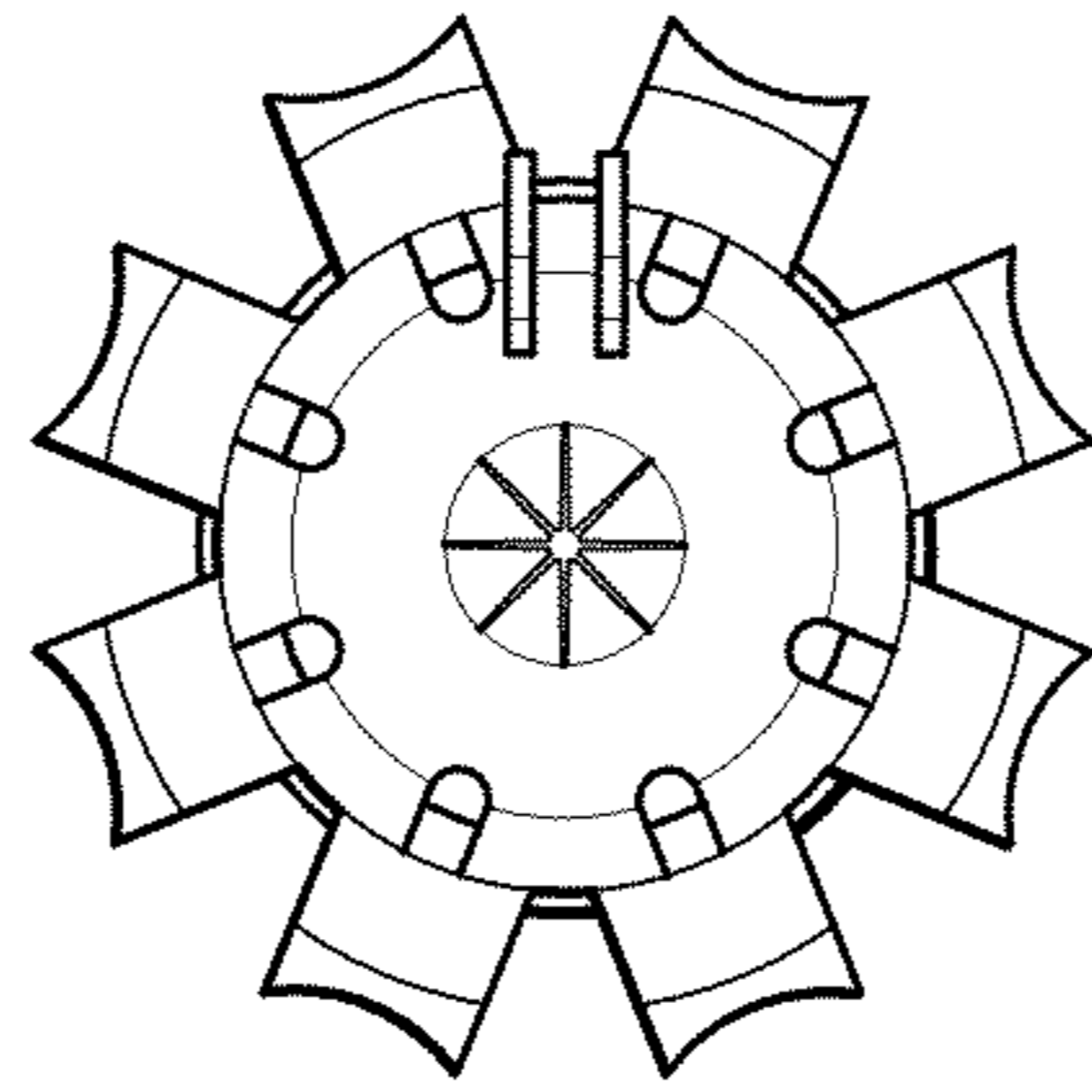


FIG. 5

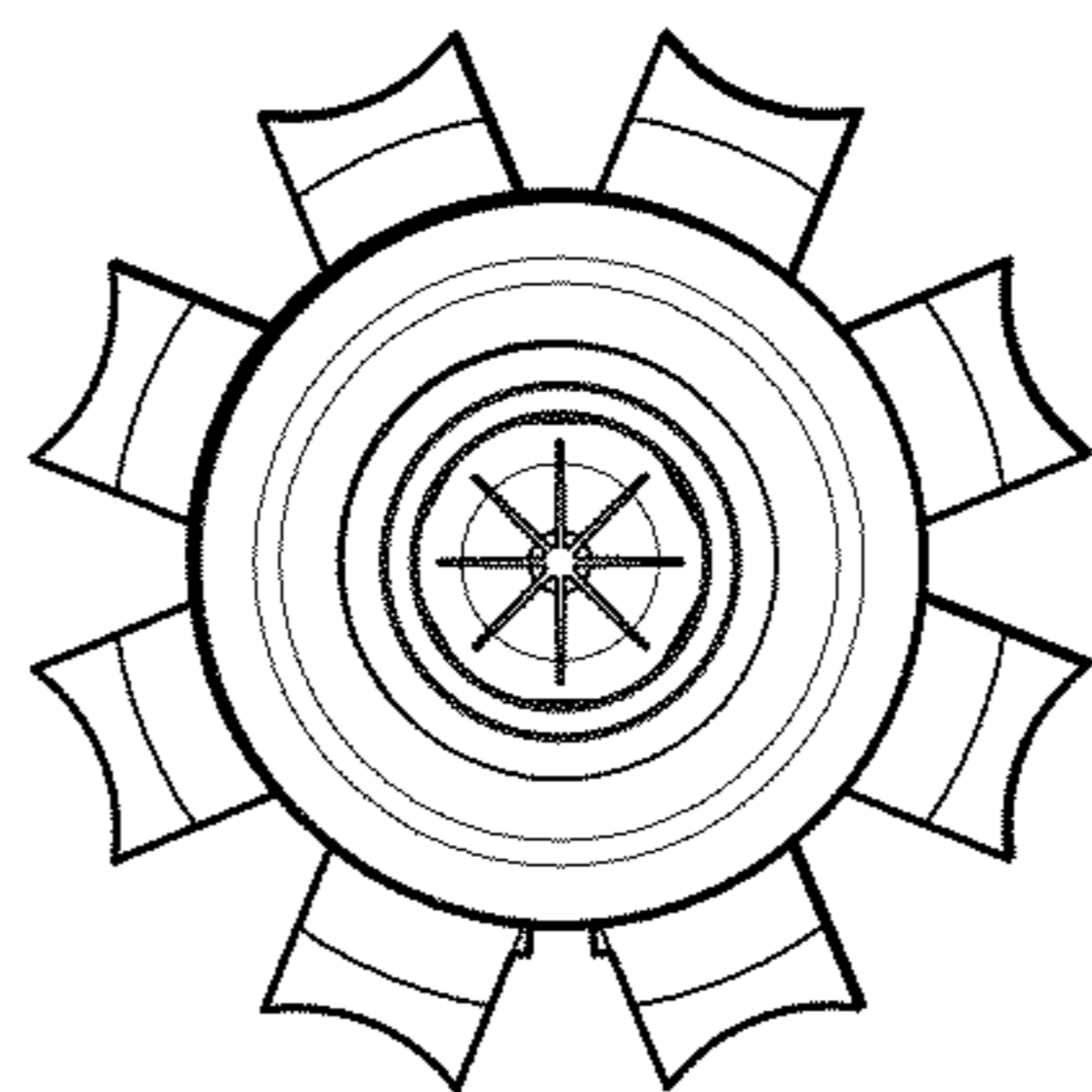


FIG. 6