



US00D687201S

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

(10) **Patent No.:** **US D687,201 S**
(45) **Date of Patent:** **** Jul. 30, 2013**

- (54) **SCRAPER**
 - (76) Inventor: **Ying-Chieh Liao**, Taichung (TW)
 - (**) Term: **14 Years**
 - (21) Appl. No.: **29/400,221**
 - (22) Filed: **Aug. 24, 2011**
 - (51) **LOC (9) Cl.** **08-05**
 - (52) **U.S. Cl.**
USPC **D32/46**
 - (58) **Field of Classification Search**
USPC D32/46, 49; D8/14, 45, 46, 47, 105,
D8/98, 90; D7/682; 30/169, 167, 278, 280,
30/287; 15/105, 236.01–236.09, 245.1; D4/136;
7/105
- See application file for complete search history.

- D616,719 S * 6/2010 Moore D8/105
- 7,908,702 B2 * 3/2011 Accumanno 15/235.7
- 7,972,074 B2 * 7/2011 Lepage 401/266
- D670,057 S * 10/2012 DiMauro D32/46
- 8,307,490 B2 * 11/2012 Gringer et al. 15/105

* cited by examiner

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(57) **CLAIM**

I claim the ornamental design for a scraper, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the scraper showing my new design;
 FIG. 2 is a front view thereof;
 FIG. 3 is a rear view thereof;
 FIG. 4 is a left view thereof;
 FIG. 5 is a right view thereof;
 FIG. 6 is a top plan view thereof; and,
 FIG. 7 is a bottom plan view thereof.

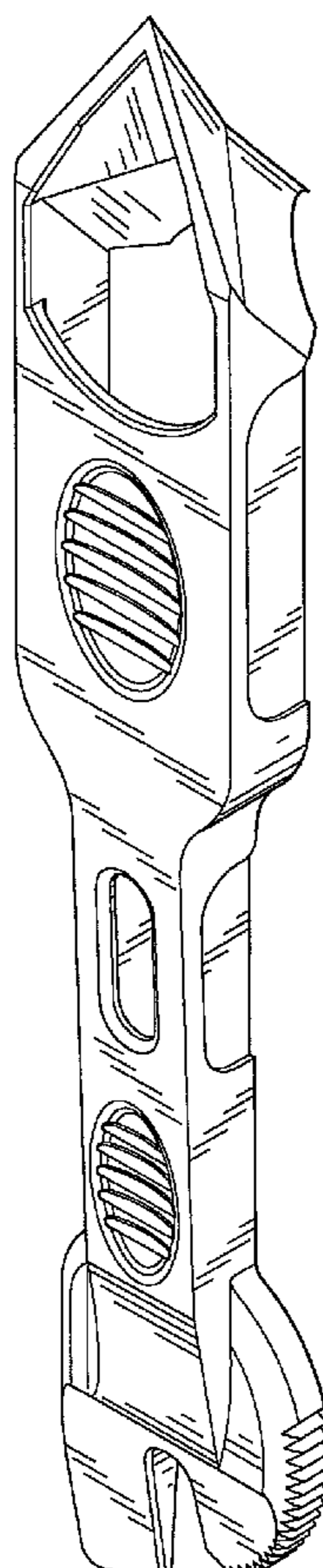
The broken line showing is for the purpose of illustrating portions of the article and forms no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- D420,882 S * 2/2000 Majolo et al. D8/98
- 6,421,860 B1 * 7/2002 Abbott 7/105
- 6,427,274 B1 * 8/2002 Abbott 7/105
- 6,578,229 B1 * 6/2003 Dziallas et al. 15/236.05
- D477,523 S * 7/2003 Malvasio D8/105
- D581,764 S * 12/2008 Kinsky et al. D8/105
- D596,011 S * 7/2009 Almayda D8/105
- D605,911 S * 12/2009 Lian et al. D8/14

1 Claim, 4 Drawing Sheets



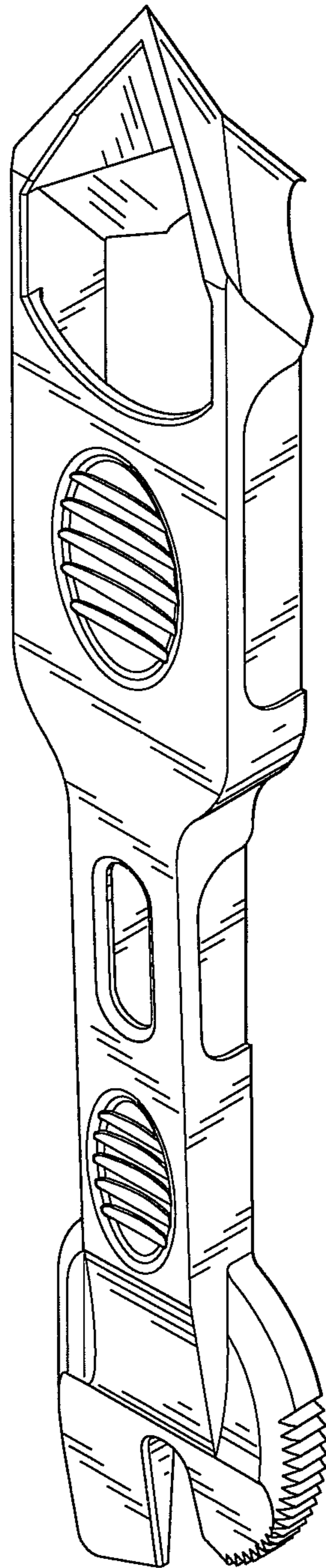


FIG. 1

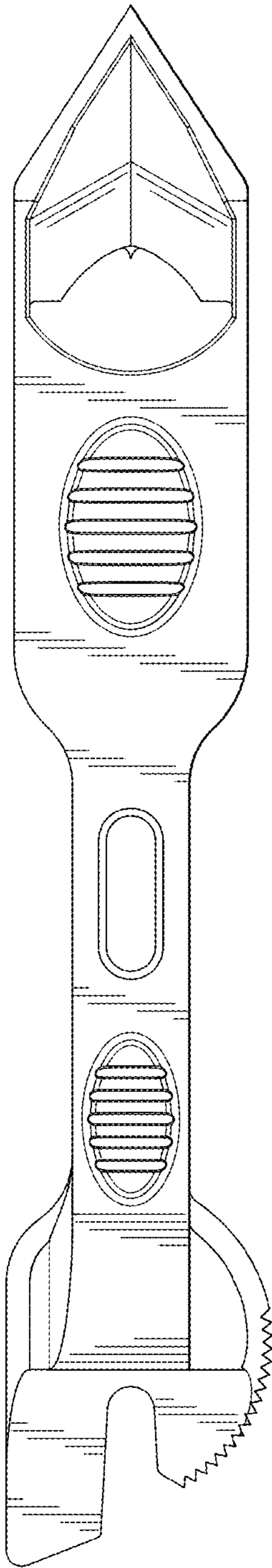


FIG. 2

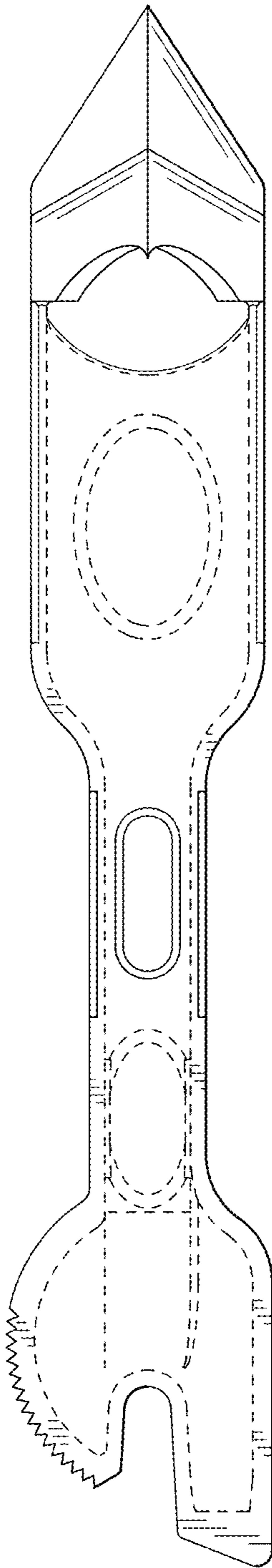


FIG. 3

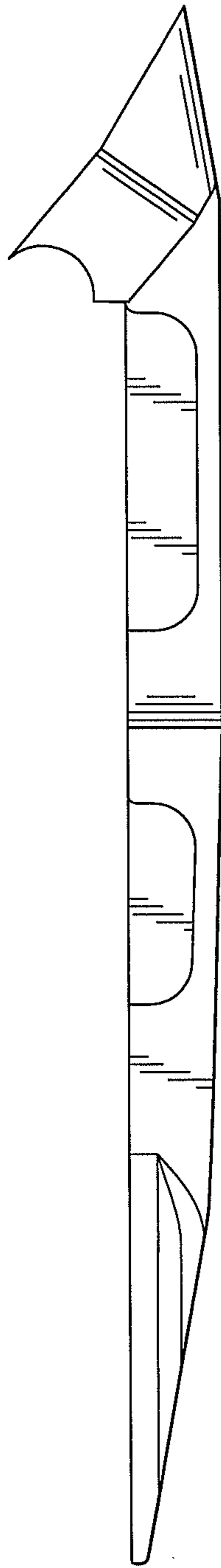


FIG. 4

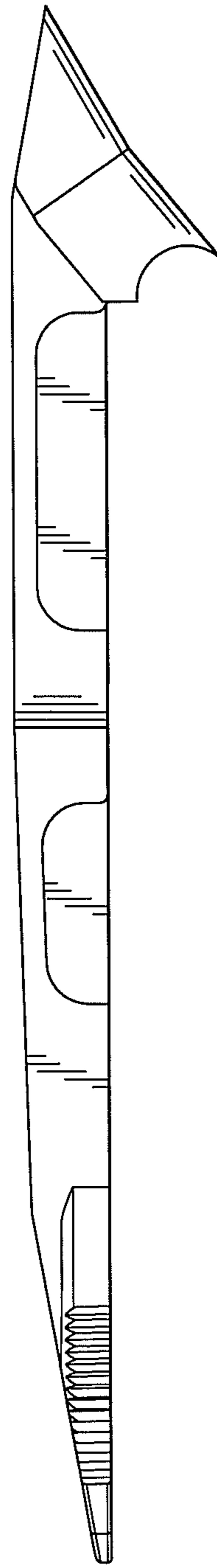


FIG. 5

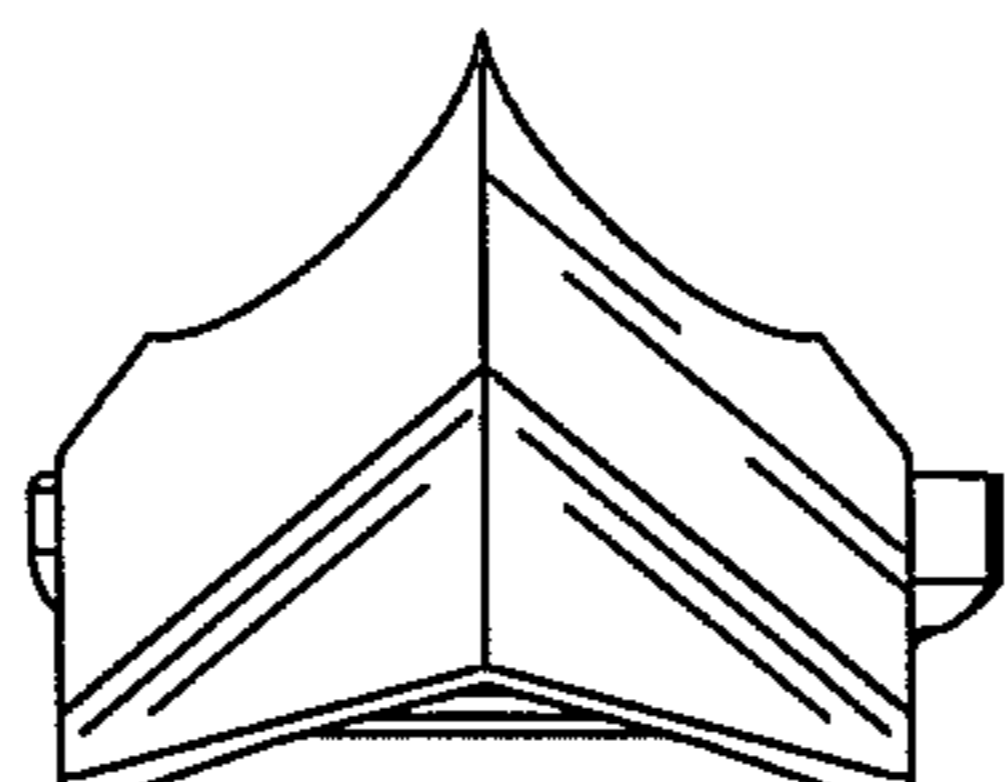


FIG. 6

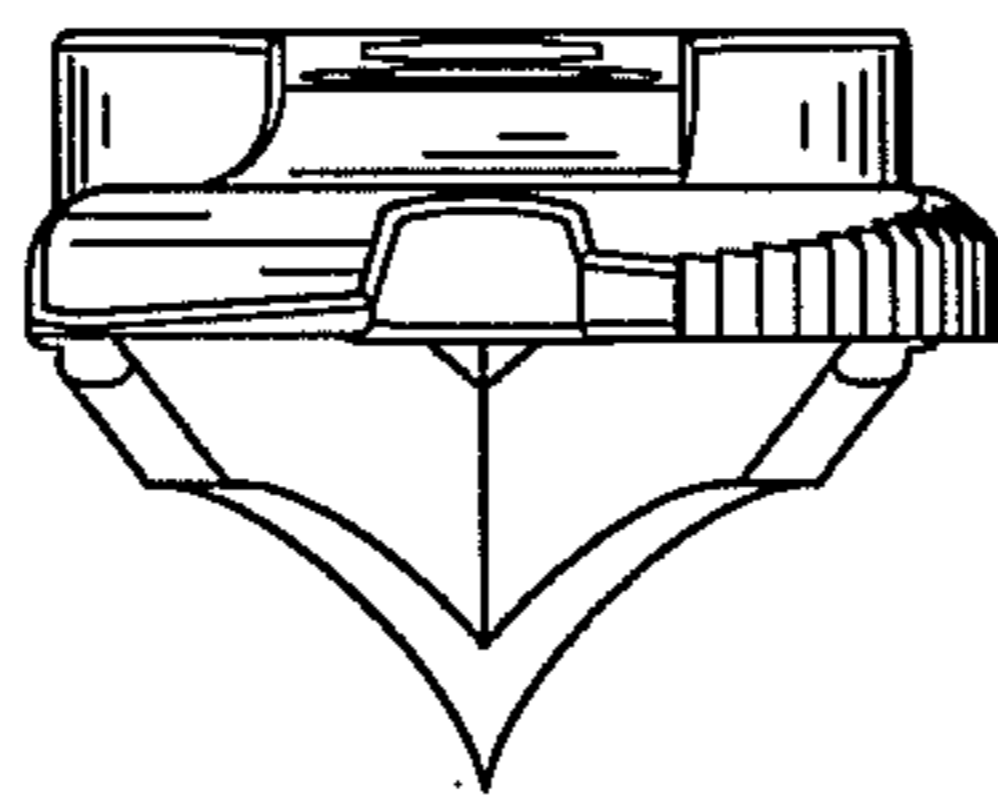


FIG. 7