



US00D809622S

(12) **United States Design Patent** (10) **Patent No.:** **US D809,622 S**  
**Moser et al.** (45) **Date of Patent:** **\*\* Feb. 6, 2018**

(54) **SHOTGUN WAD**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **Vista Outdoor Operations LLC**,  
Clearfield, UT (US)

FR 2257890 A1 8/1975

(72) Inventors: **Adam J. Moser**, Big Lake, MN (US);  
**Erik K. Carlson**, Oak Grove, MN  
(US); **Matthew S. Schroeder**,  
Princeton, MN (US); **Frank Gerzina**,  
Otsego, MN (US); **Gary Hendrickson**,  
Blaine, MN (US)

OTHER PUBLICATIONS

Sabot Designs LLC, "Long Range Flechette Sabots", 1998-2001.

*Primary Examiner* — Karen S Acker

*Assistant Examiner* — Steven B Reinholdt, Jr.

(74) *Attorney, Agent, or Firm* — Christensen, Fonder,  
Dardi & Herbert PLLC

(73) Assignee: **Vista Outdoor Operations LLC**,  
Farmington, UT (US)

(57) **CLAIM**

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

We claim the ornamental design for shotgun wad, as shown  
and described.

(21) Appl. No.: **29/553,154**

**DESCRIPTION**

(22) Filed: **Jan. 28, 2016**

(51) **LOC (11) Cl.** ..... **22-04**

(52) **U.S. Cl.**

USPC ..... **D22/115**

(58) **Field of Classification Search**

USPC ..... D21/145; D22/115, 116, 451, 453, 199;  
42/69.01, 105; 86/23, 31, 32; 102/217,  
102/464, 501, 520, 521, 522, 523, 524,  
102/526

CPC ..... F42B 14/06

See application file for complete search history.

FIG. 1 is a perspective view of a shotgun wad according to  
the invention. The view from the opposite side being iden-  
tical thereto.

FIG. 2 is a perspective view of the shotgun wad of FIG. 1  
with the fins in a deployed flared position after firing. The  
view from the opposite side being identical thereto.

FIG. 3 is an elevational view of the shotgun wad of FIG. 1.  
The view from the opposite side being identical thereto.

FIG. 4 is a perspective view of the shotgun wad of FIG. 1  
with the fins in a deployed flared position after firing. The  
view from the opposite side being identical thereto.

FIG. 5 is a top end view of the shotgun wad of FIG. 1.

FIG. 6 is a bottom end view of the shotgun wad of FIG. 1.  
The portions shown in dashed lines are not part of the  
claimed invention.

FIGS. 1 through 24 of the appendix display alternate views  
and embodiments of the invention. Each shotgun wad shown  
is symmetrical with the view from the opposite side being  
identical thereto. The appendix figures may be deleted from  
the file upon allowance of the application to remain part of  
the prosecution file.

(56) **References Cited**

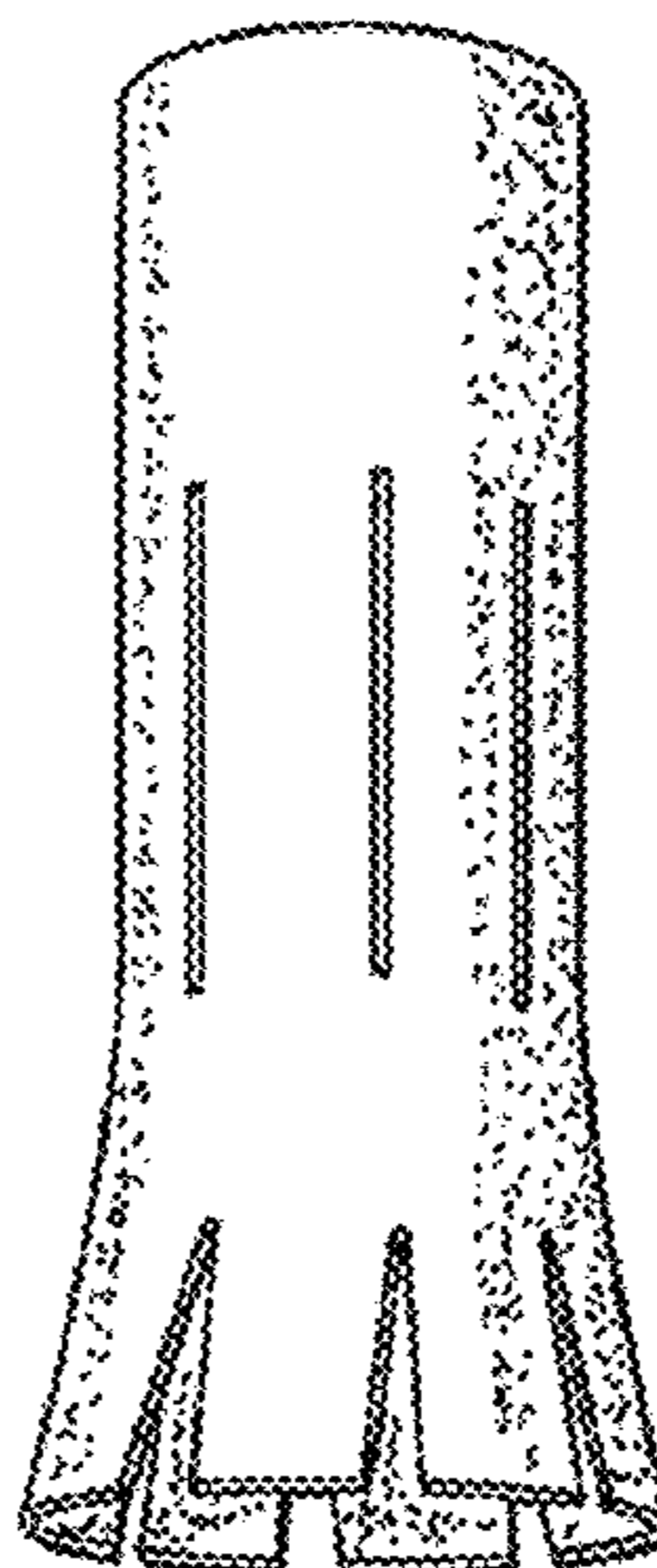
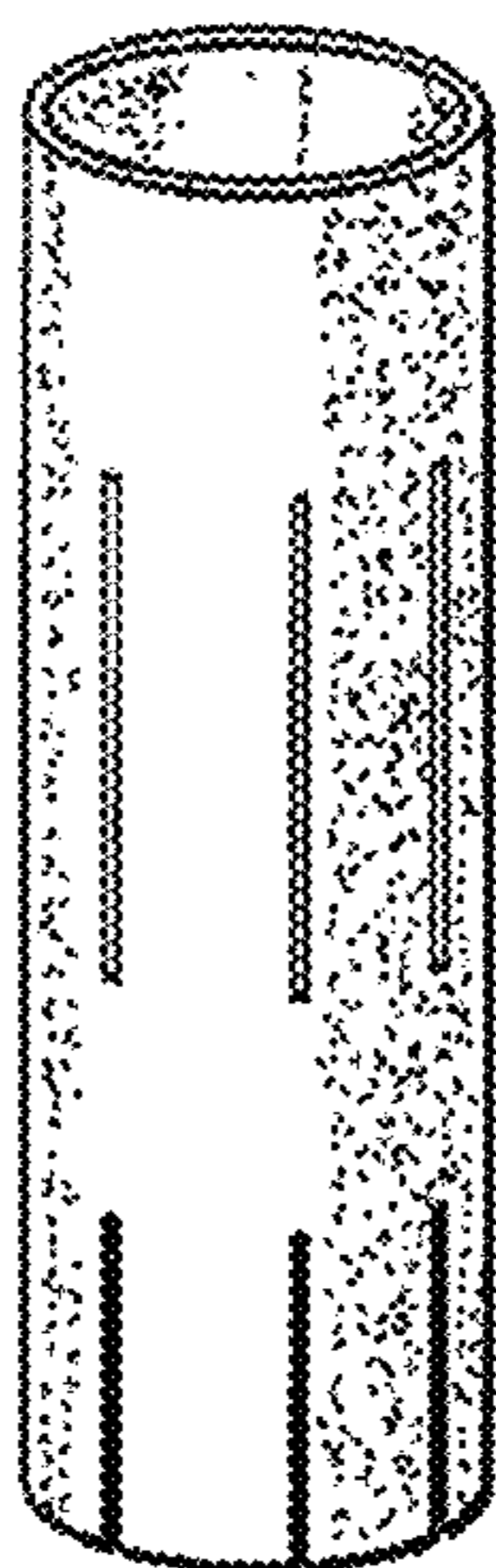
U.S. PATENT DOCUMENTS

3,279,375 A 10/1966 Herter  
3,623,431 A 11/1971 Hendricks  
3,670,650 A 6/1972 McCaffrey et al.  
4,164,903 A \* 8/1979 Bouza ..... F42B 8/02  
102/444

D365,867 S 1/1996 Flanagan  
5,970,878 A 10/1999 Gardner  
6,260,484 B1 7/2001 Billings

(Continued)

**1 Claim, 1 Drawing Sheet**



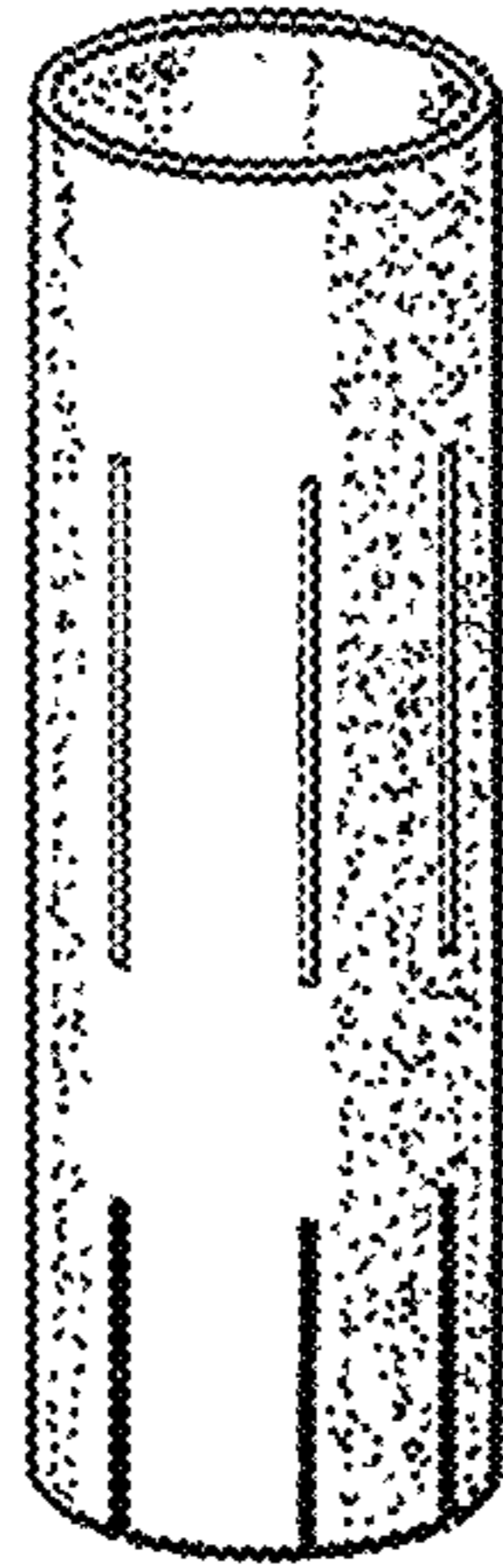
(56)

**References Cited**

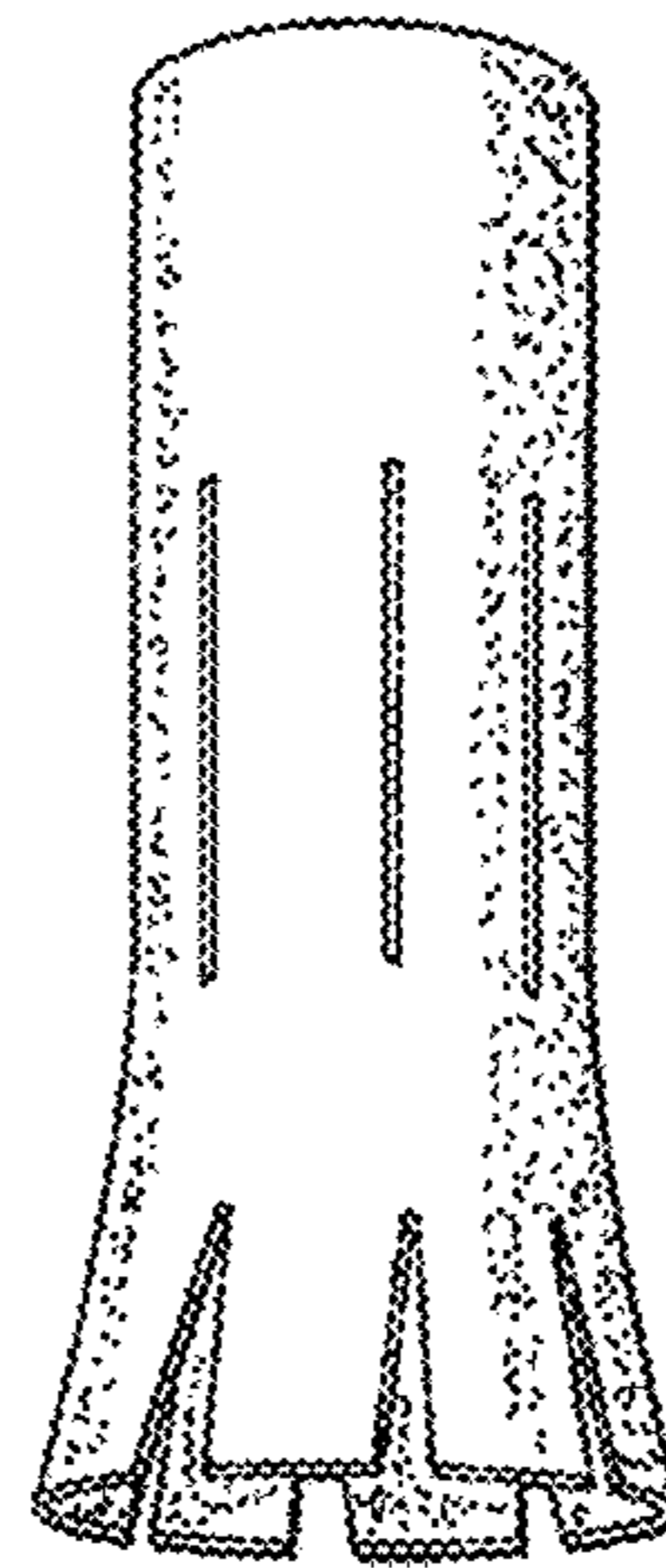
U.S. PATENT DOCUMENTS

8,555,785 B2 \* 10/2013 Cross ..... F42B 7/08  
102/451  
8,800,449 B2 \* 8/2014 Schluckebier ..... F42C 19/02  
102/448  
9,506,732 B2 \* 11/2016 Schultz ..... F42B 7/08  
2015/0176954 A1 6/2015 Burczynski et al.

\* cited by examiner



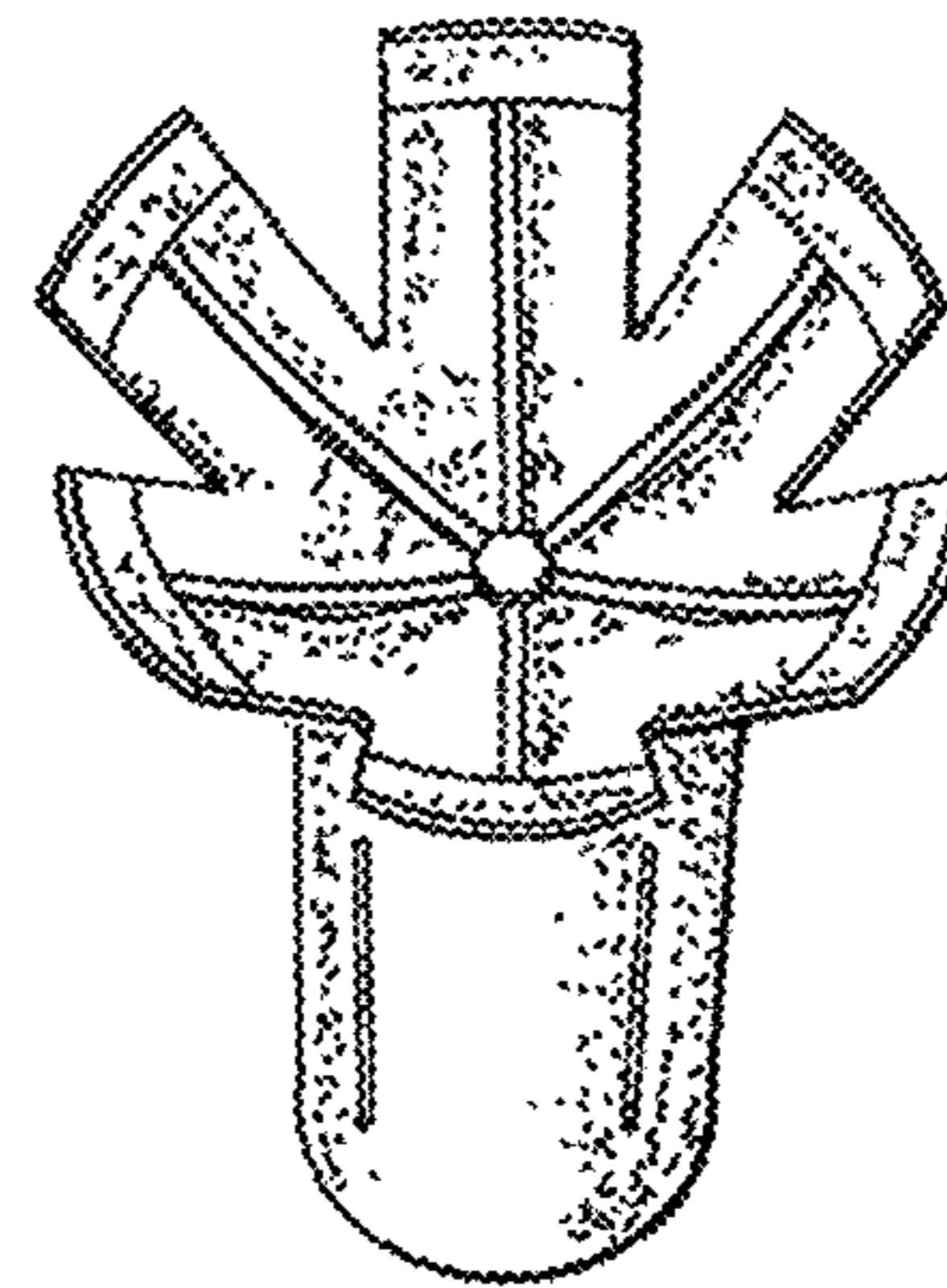
*Fig. 1*



*Fig. 2*



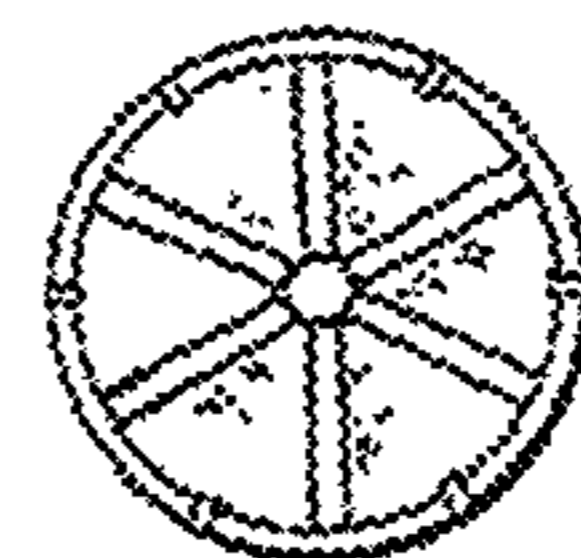
*Fig. 3*



*Fig. 4*



*Fig. 5*



*Fig. 6*