

US00D847294S

(12) **United States Design Patent** (10) **Patent No.:** **US D847,294 S**
Carlson et al. (45) **Date of Patent:** **** Apr. 30, 2019**

(54) **SHOTGUN WAD**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **Vista Outdoor Operations LLC**,
Anoka, MN (US)

DE 201048 6/1983
FR 92430 11/1968

(Continued)

(72) Inventors: **Erik K. Carlson**, Oak Grove, MN
(US); **Adam J. Moser**, Big Lake, MN
(US)

OTHER PUBLICATIONS

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

(Continued)

(73) Assignee: **Vista Outdoor Operations LLC**,
Anoka, MN (US)

Primary Examiner — Karen S Acker

Assistant Examiner — Steven B Reinholdt, Jr.

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

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

(21) Appl. No.: **29/636,973**

(22) Filed: **Feb. 13, 2018**

Related U.S. Application Data

(63) Continuation of application No. 29/553,822, filed on
Feb. 4, 2016, now Pat. No. Des. 810,226.

(51) **LOC (11) Cl.** **22-03**

(52) **U.S. Cl.**
USPC **D22/115**

(58) **Field of Classification Search**

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

CPC F42B 14/06
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,742,817 A * 1/1930 Larson F42B 7/08
102/532

1,864,916 A 6/1932 Gachassin-Lafite

3,279,375 A 10/1966 Herter

3,299,813 A 1/1967 Rickey

3,368,489 A 2/1968 Herter

3,469,527 A * 9/1969 Pace F42B 7/08
102/451

(Continued)

(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of a shotgun wad according to
the invention. The opposite side being a mirror image
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
opposite side being a mirror image thereto.

FIG. 3 is an elevational view of the shotgun wad of FIG. 1.
The opposite side being a mirror image thereto.

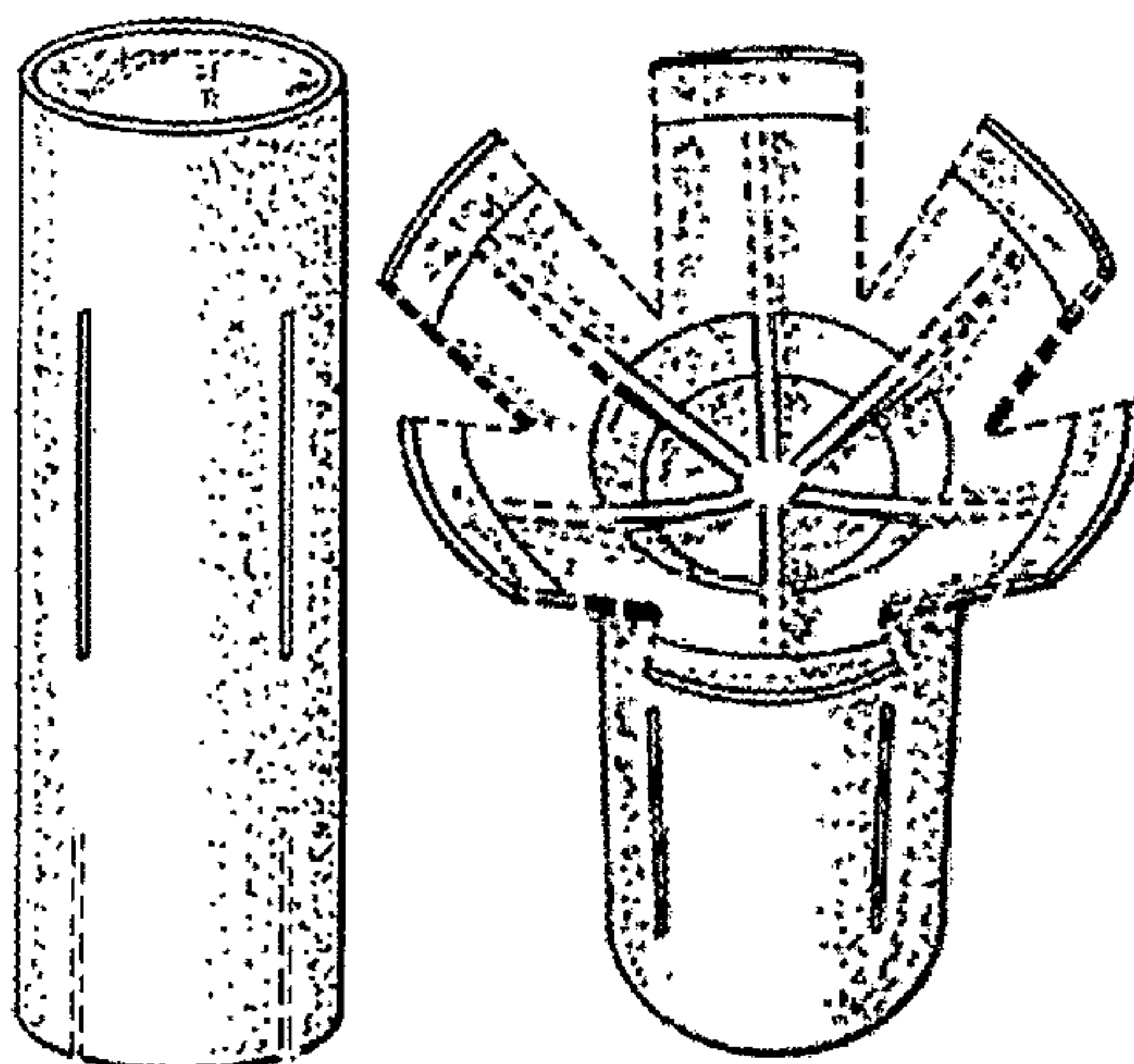
FIG. 4 is a perspective view of the shotgun wad of FIG. 1
with the fins in a flared position.

FIG. 5 is an enlarged top end view of the shotgun wad of
FIG. 1; and,

FIG. 6 is an enlarged bottom end view of the shotgun wad
of FIG. 1.

The broken lines depict portions of the shotgun wad that
form no part of the claimed design.

1 Claim, 1 Drawing Sheet



(56)

References Cited

U.S. PATENT DOCUMENTS

3,516,360 A

6/1970

Lathrope et al.

3,623,431 A

11/1971

Hendricks

3,670,650 A

6/1972

McCaffrey et al.

3,974,770 A

8/1976

Clark, Jr.

3,974,775 A

8/1976

Kerzman et al.

4,164,903 A

8/1979

Bouza

4,295,426 A

10/1981

Genco et al.

D365,867 S

1/1996

Flanagan

5,623,118 A *

4/1997

Jackson F42B 7/08

102/451

5,644,100 A

7/1997

Puckett et al.

5,874,689 A

2/1999

Alkhatib et al.

5,970,878 A

10/1999

Gardner

6,260,484 B1

7/2001

Billings

6,367,388 B1

4/2002

Billings

6,539,873 B2

4/2003

Diller

7,150,229 B2

12/2006

Gardner

8,220,393 B2

7/2012

Schluckebier et al.

8,418,620 B2 *

4/2013

Frank F42B 10/50

102/449

8,555,785 B2

10/2013

Cross

8,800,449 B2

8/2014

Schluckebier et al.

9,506,732 B2

11/2016

Schultz et al.

9,739,582 B2

8/2017

Billings

9,778,002 B2

10/2017

Burczynski et al.

9,879,957 B2

1/2018

Moser et al.

D809,622 S *

2/2018

Moser D22/115

D810,226 S *

2/2018

Carlson D22/115

9,897,424 B2

2/2018

Sorensen et al.

9,982,977 B2

5/2018

Menefee, III

2010/0192794 A1 *

8/2010

Cross F42B 7/08

102/450

2013/0055916 A1

3/2013

Menefee, III

2013/0055917 A1

3/2013

Menefee, III

2013/0228090 A1 *

9/2013

Billings F42B 7/08

102/457

2014/0076187 A1 *

3/2014

Schluckebier F42B 7/08

102/448

2014/0366765 A1 *

12/2014

Havens F42B 7/08

102/532

2015/0176954 A1

6/2015

Burczynski et al.

2017/0108318 A1 *

4/2017

Moser F42B 7/08

2017/0160062 A1 *

6/2017

Havens F42B 7/08

FOREIGN PATENT DOCUMENTS

FR

2257890

8/1975

FR

2559892

8/1985

OTHER PUBLICATIONS

Simpson, Layne, “Great Gun/Load Combo for Gobblers”, shootingtimes.com, Jan. 3, 2011, p. 7 of 15 (Year: 2011).

.45 Colt, “Can you explain federal flight control to me?”, the firingline.com, Mar. 27, 2010, entry #8 p. 3 of 6 (Years: 2010). (Pre Oct. 2015), photographs, 2 pages.

* cited by examiner

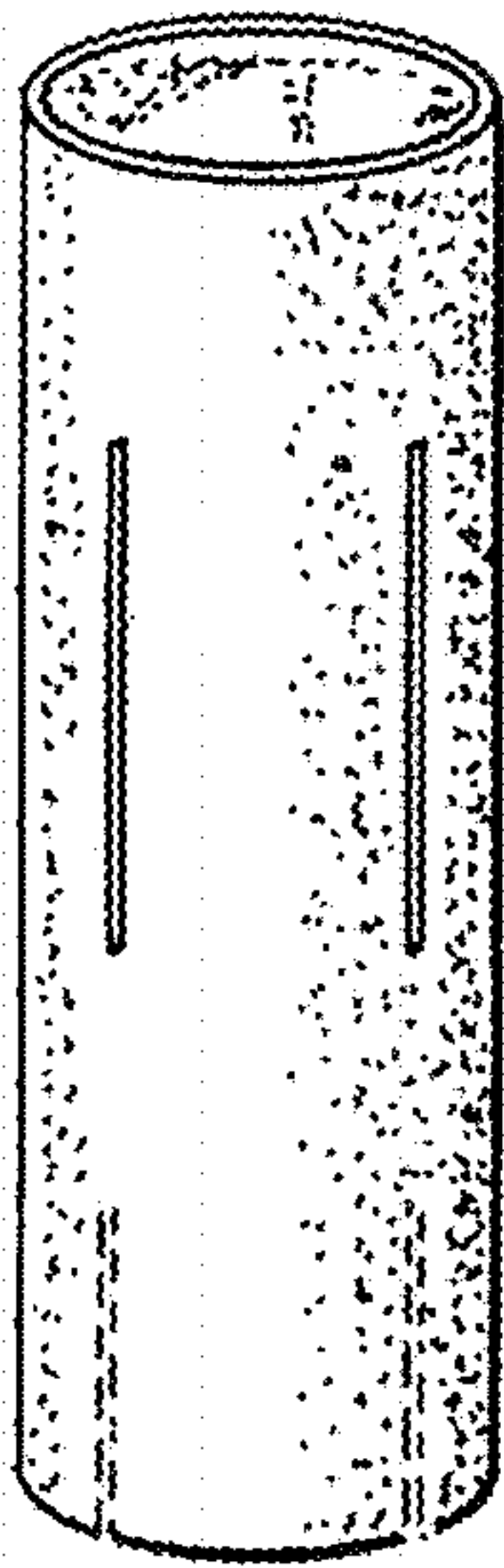


Fig. 1

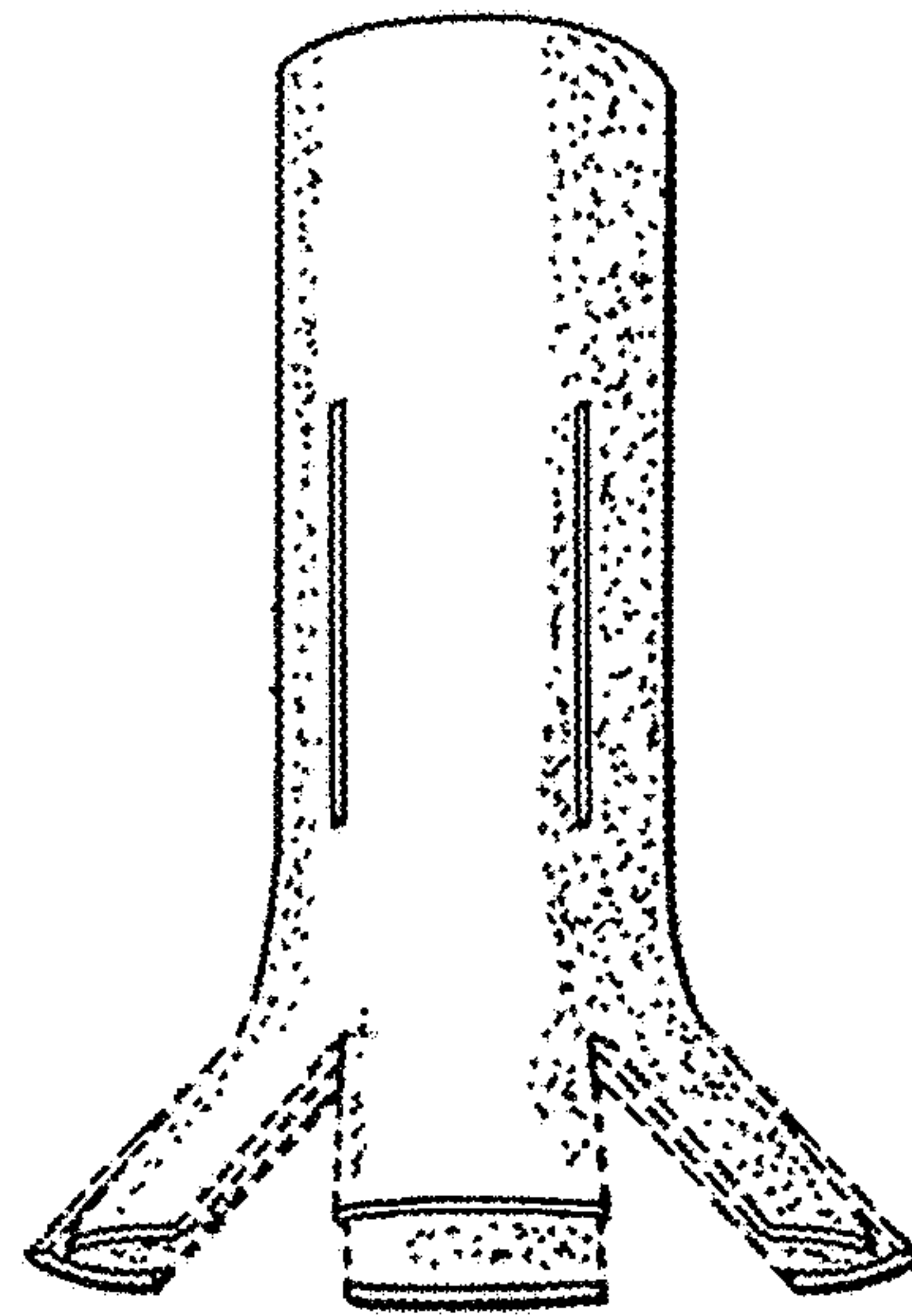


Fig. 2

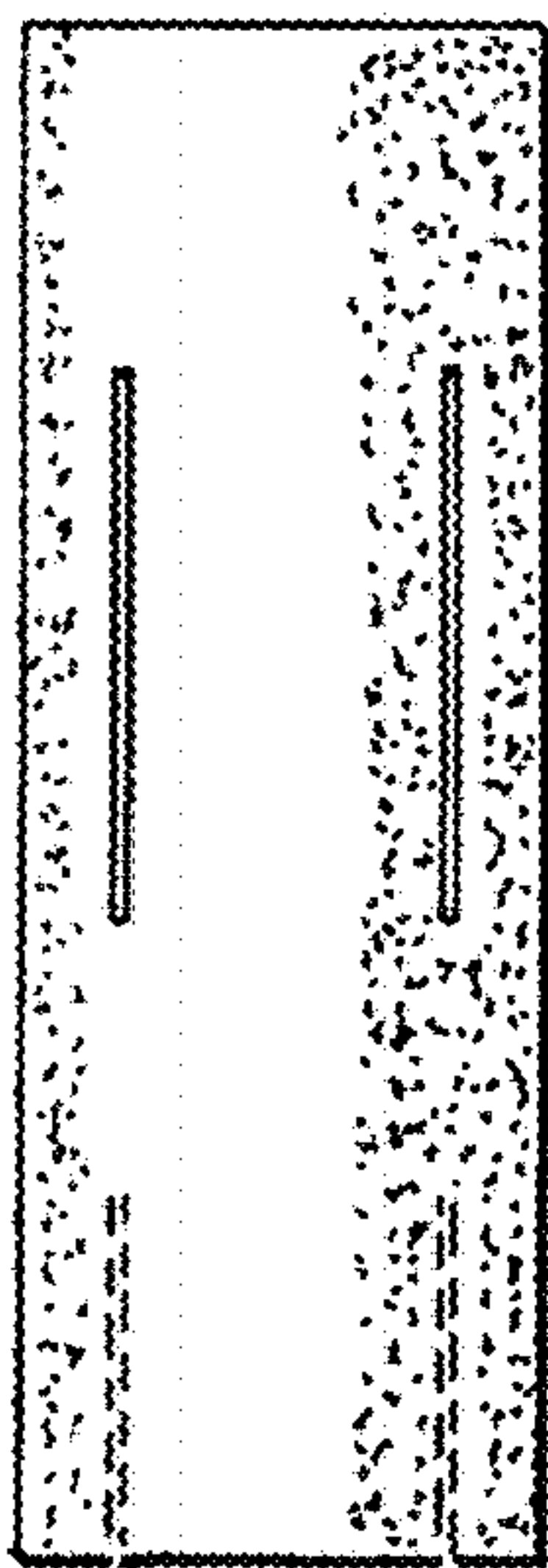


Fig. 3

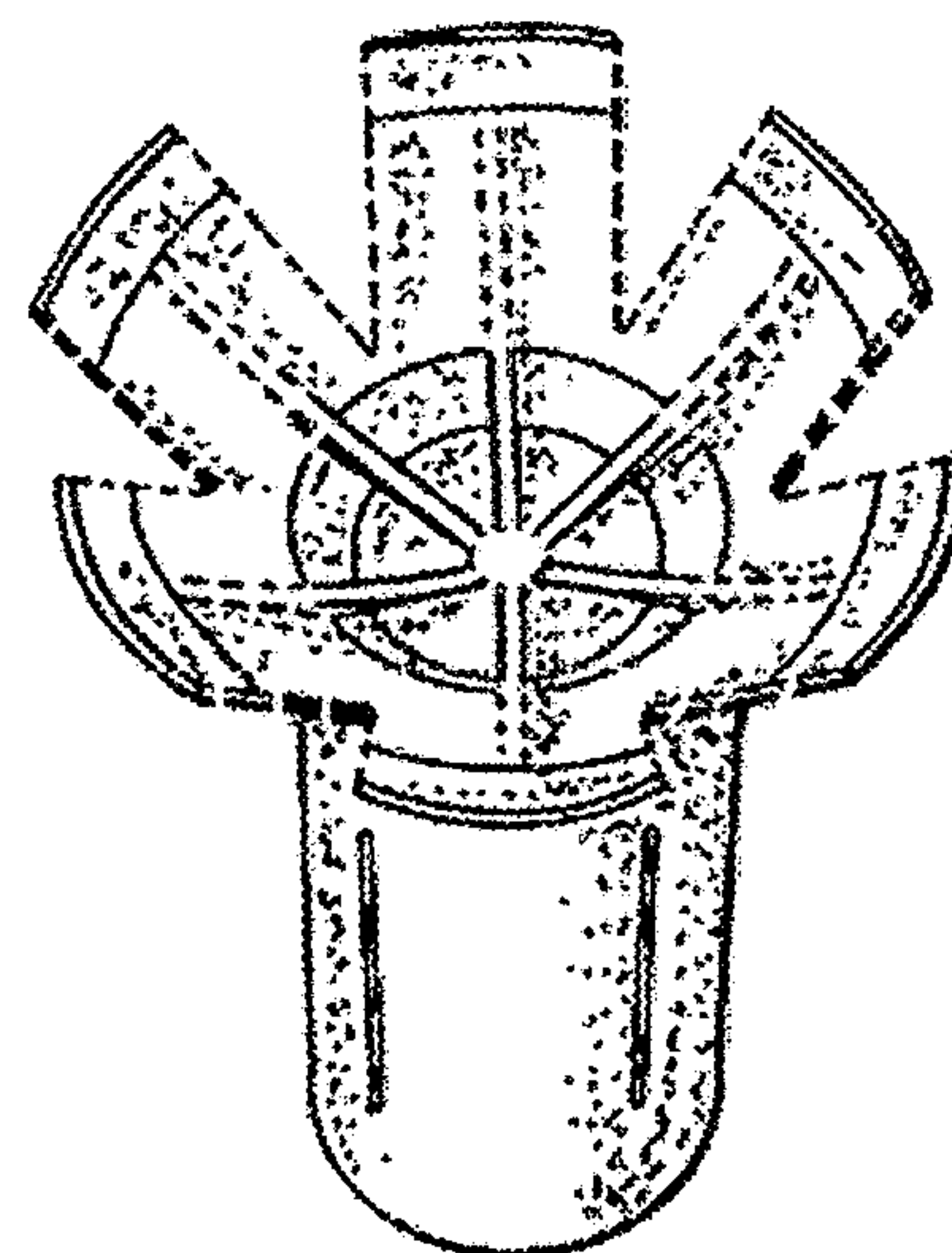


Fig. 4

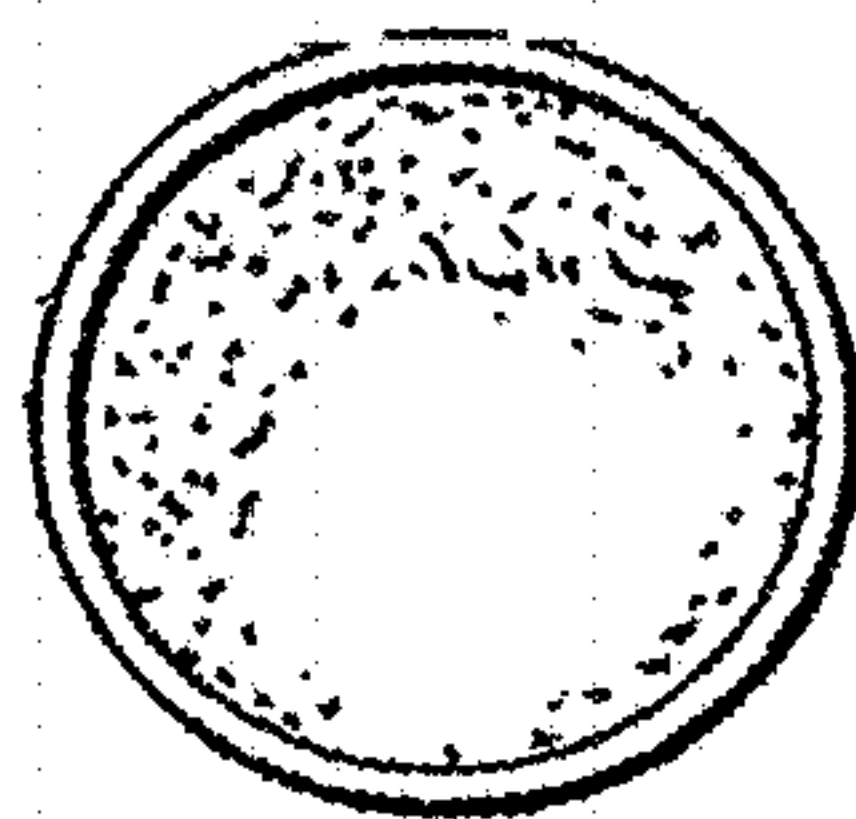


Fig. 5

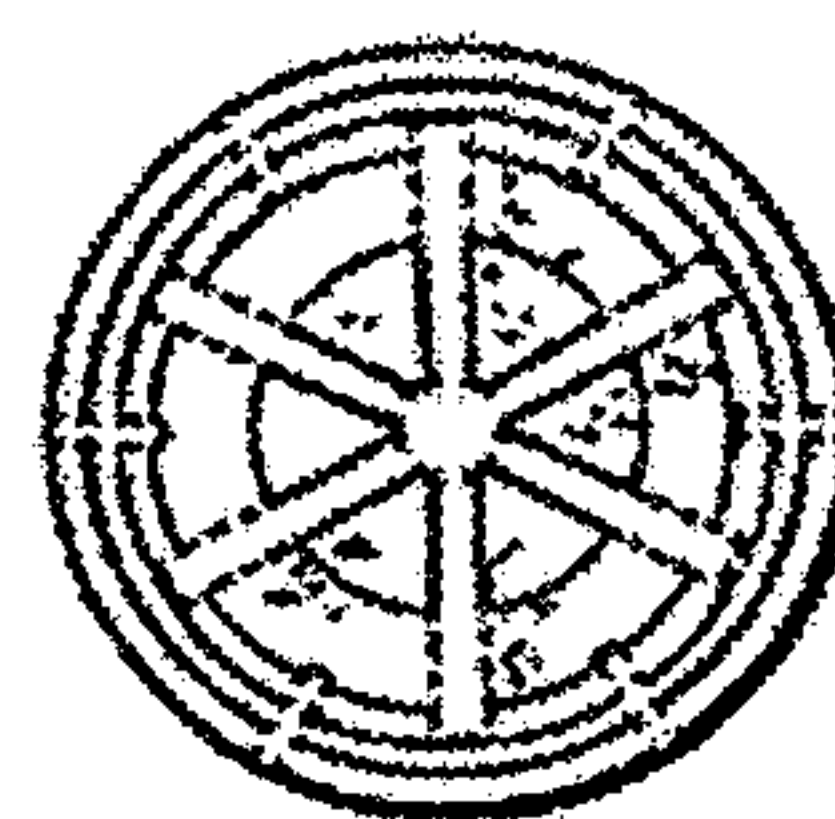


Fig. 6