



US00D401597S

# United States Patent [19]

Shelton et al.

[11] **Patent Number: Des. 401,597**

[45] **Date of Patent: \*\*Nov. 24, 1998**

[54] **SHALLOW CYLINDRICAL AIR FILTER WITH TOP AND SIDE FILTERING AREAS**

D. 213,403 2/1969 Kraus ..... D15/5  
D. 293,796 1/1988 Nagy ..... D15/5  
D. 295,444 4/1988 Sundquist ..... D15/6

[75] Inventors: **Nathan E. Shelton**, Riverside, Calif.;  
**Duncan Bickerton**, Warrington, England

*Primary Examiner*—Ralf Seifert  
*Attorney, Agent, or Firm*—Wagner Middlebrook & Kimbell

[73] Assignee: **K & N Engineering, Inc.**, Riverside, Calif.

[57] **CLAIM**

The ornamental design for a shallow cylindrical air filter with top and side filtering areas, as shown and described.

[\*\*] Term: **14 Years**

**DESCRIPTION**

[21] Appl. No.: **79,257**

FIG. 1 is a side elevational view of a shallow cylindrical air filter with top and side filtering areas showing our new design;

[22] Filed: **Nov. 10, 1997**

FIG. 2 is a bottom plan view;

[51] **LOC (6) Cl. .... 15-01**

FIG. 3 is a top plan view;

[52] **U.S. Cl. .... D15/5**

[58] **Field of Search** ..... D15/1-6; 55/337, 55/385.5, 498, 502, 510, 497, 486, 501; 123/198 E

FIG. 4 is a vertical cross sectional view through an outside edge;

FIG. 5 is a fragmentary sectional view taken along line 5—5 of FIG. 3; and,

FIG. 6 is an enlarged fragmentary perspective view showing details of the pleats.

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

D. 151,464 10/1948 Olsen ..... D15/5

**1 Claim, 2 Drawing Sheets**

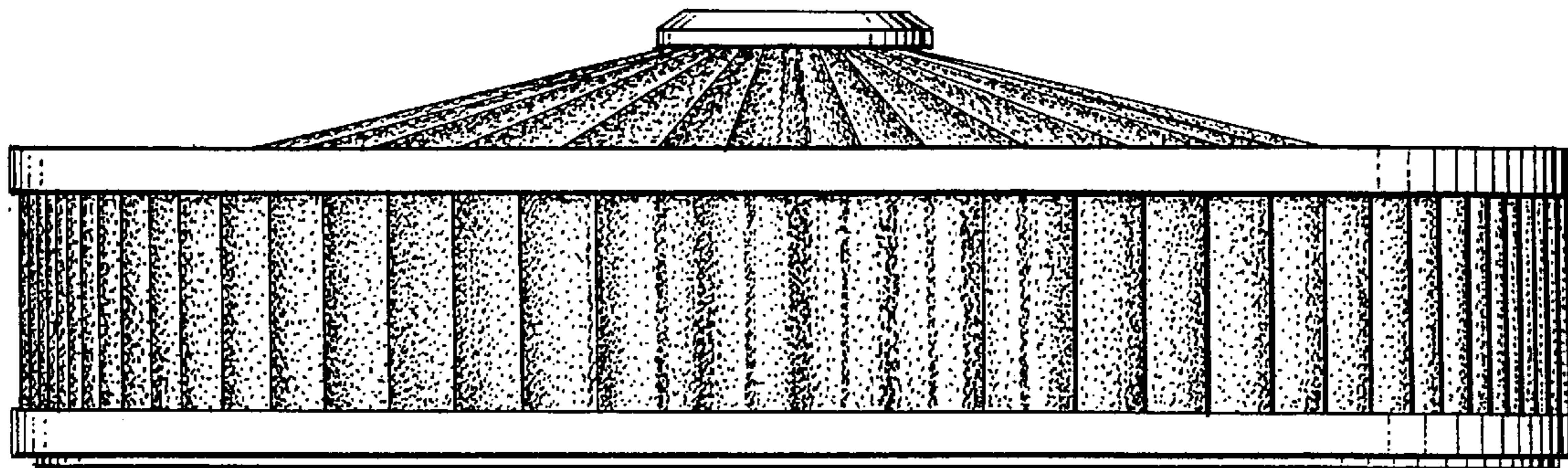


FIG. 1

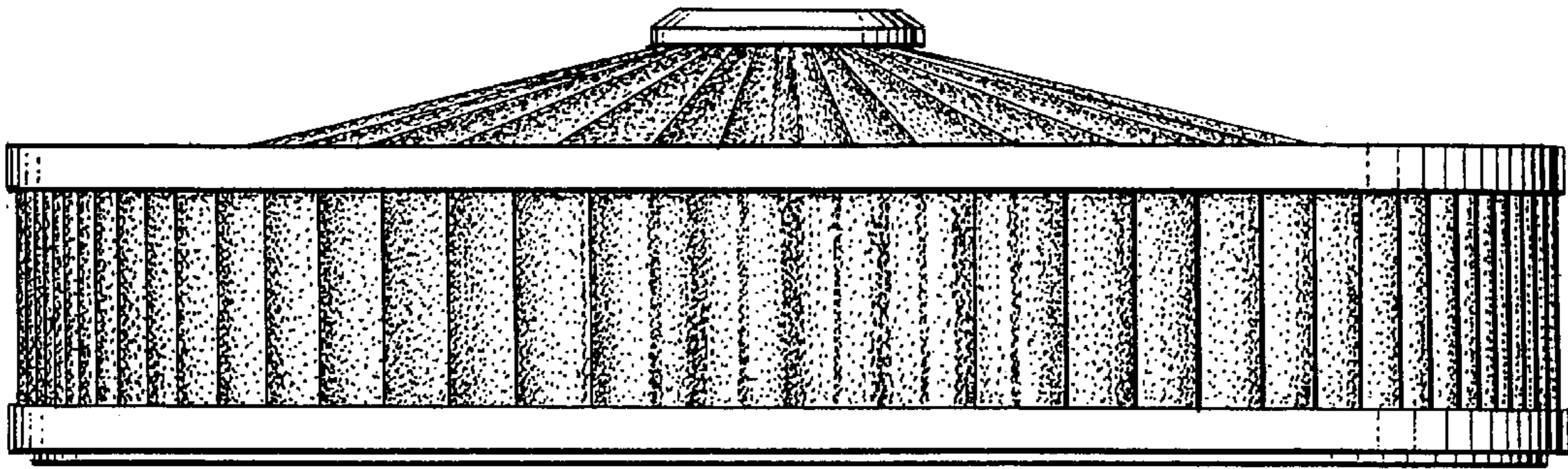
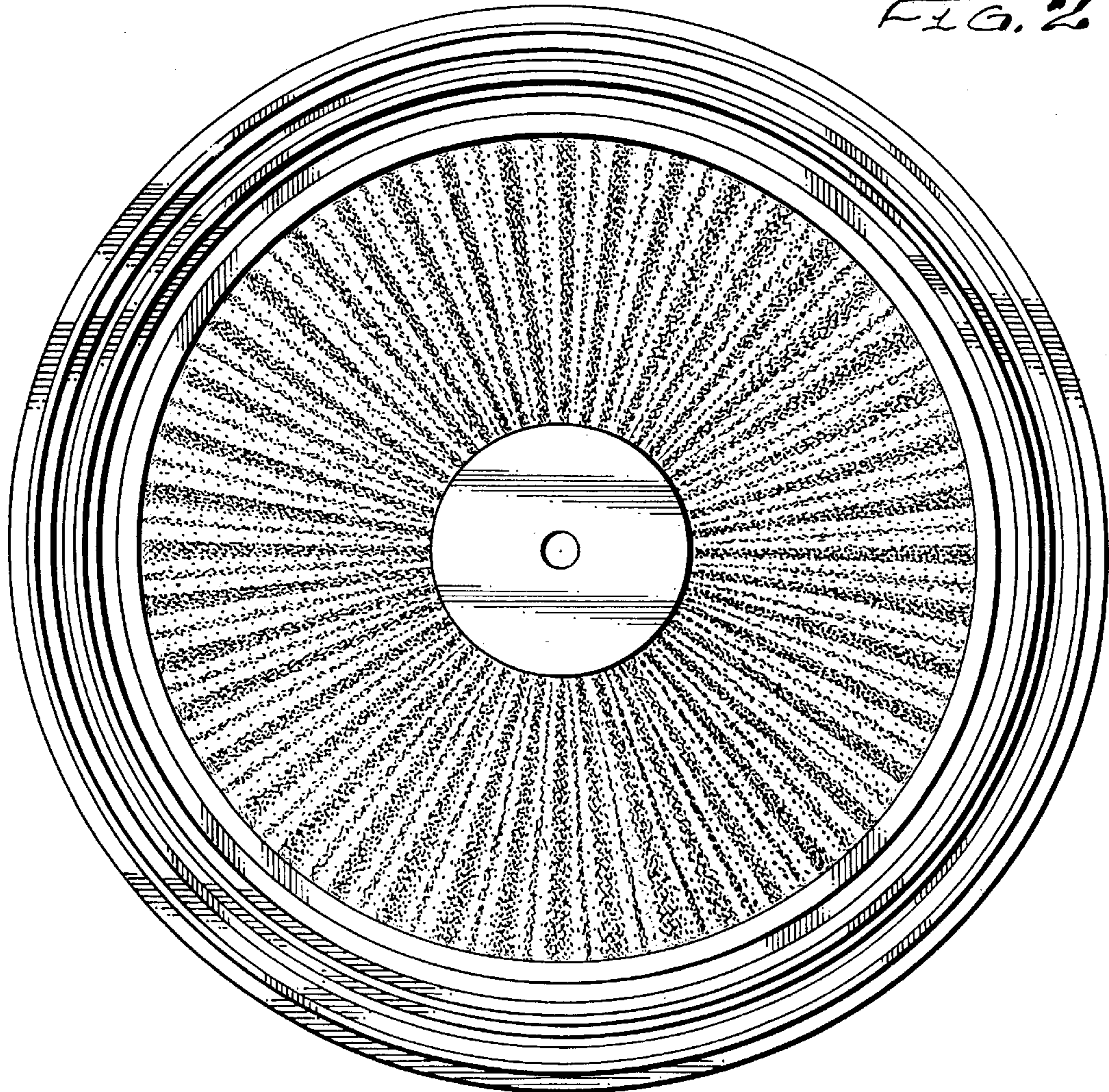


FIG. 2



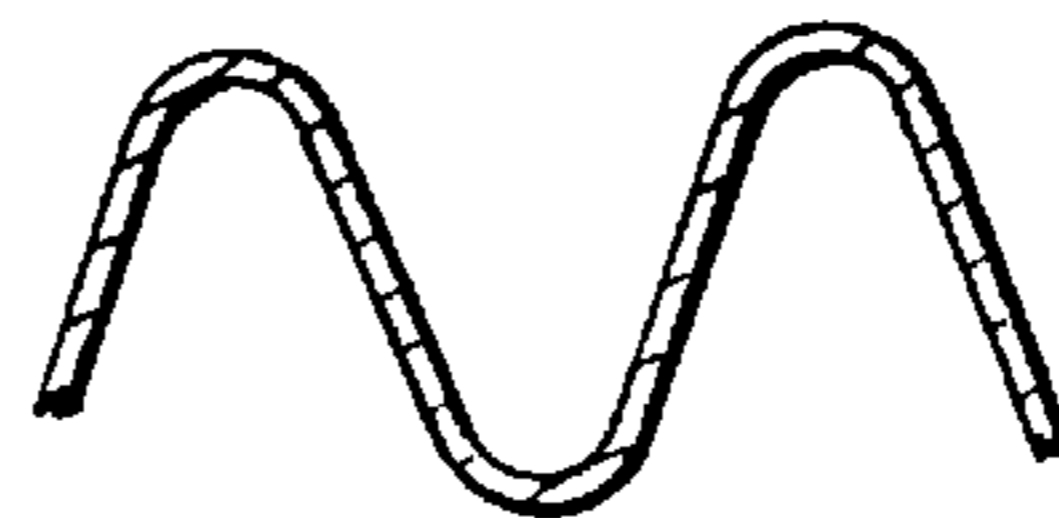
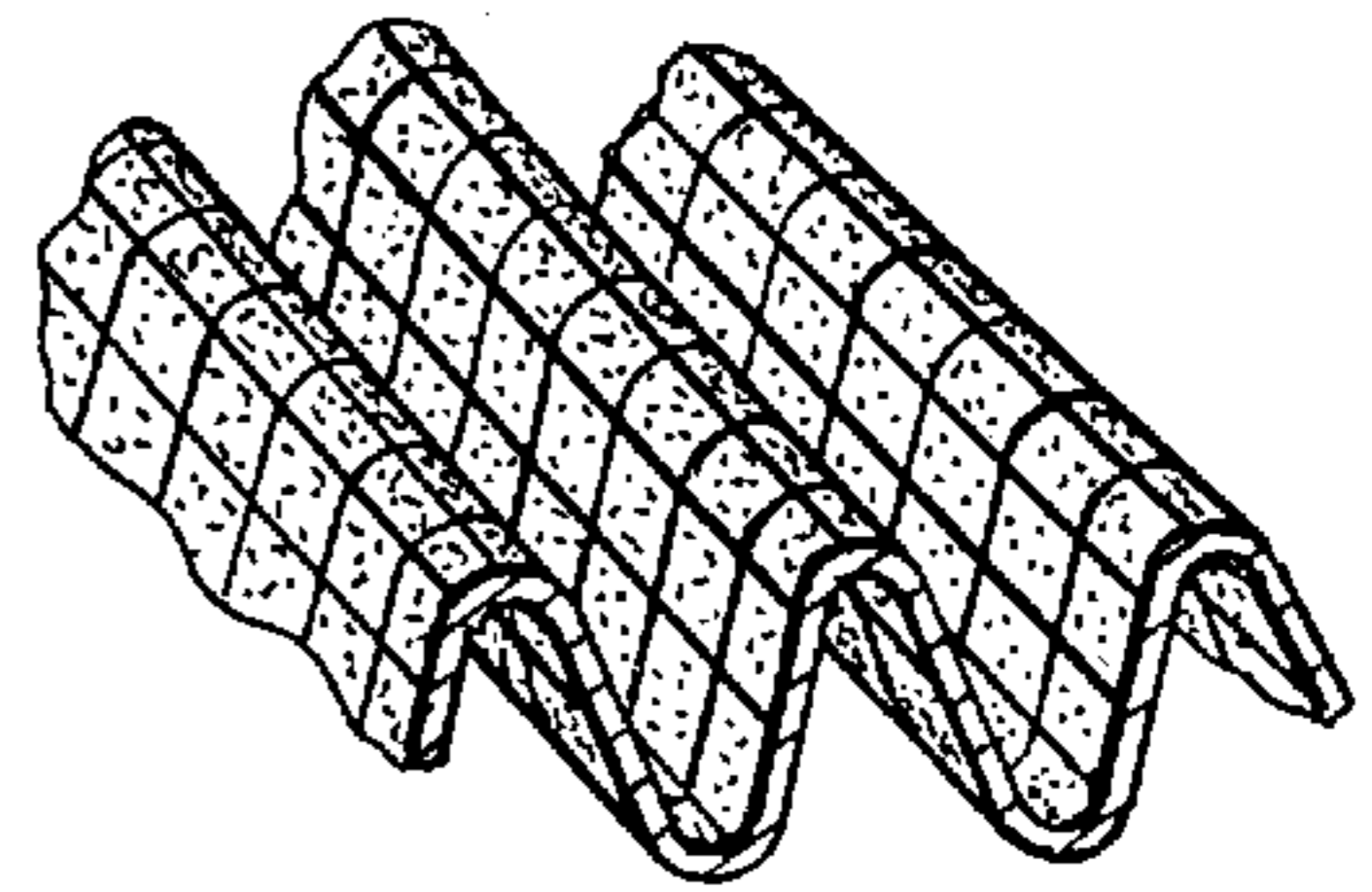
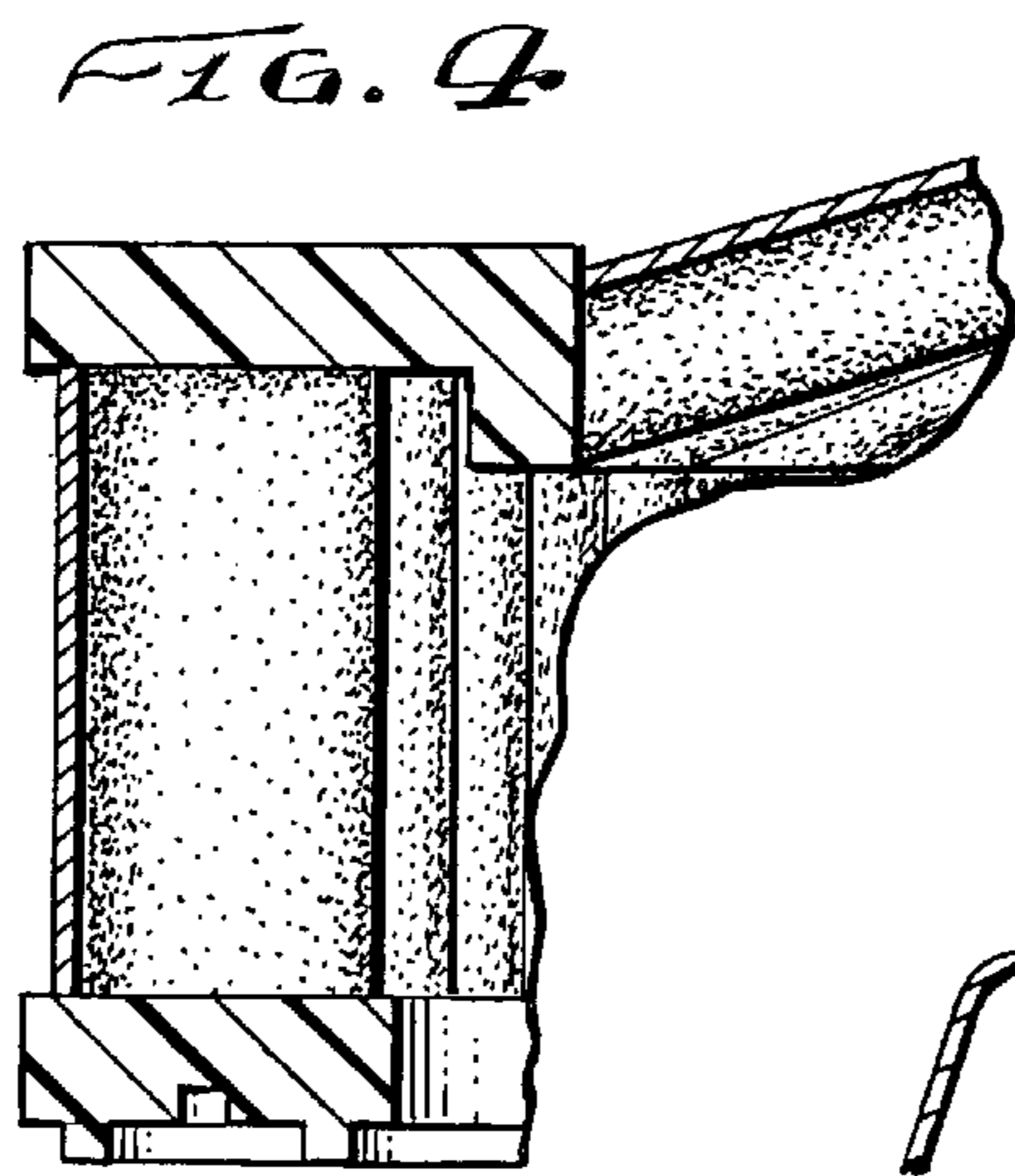
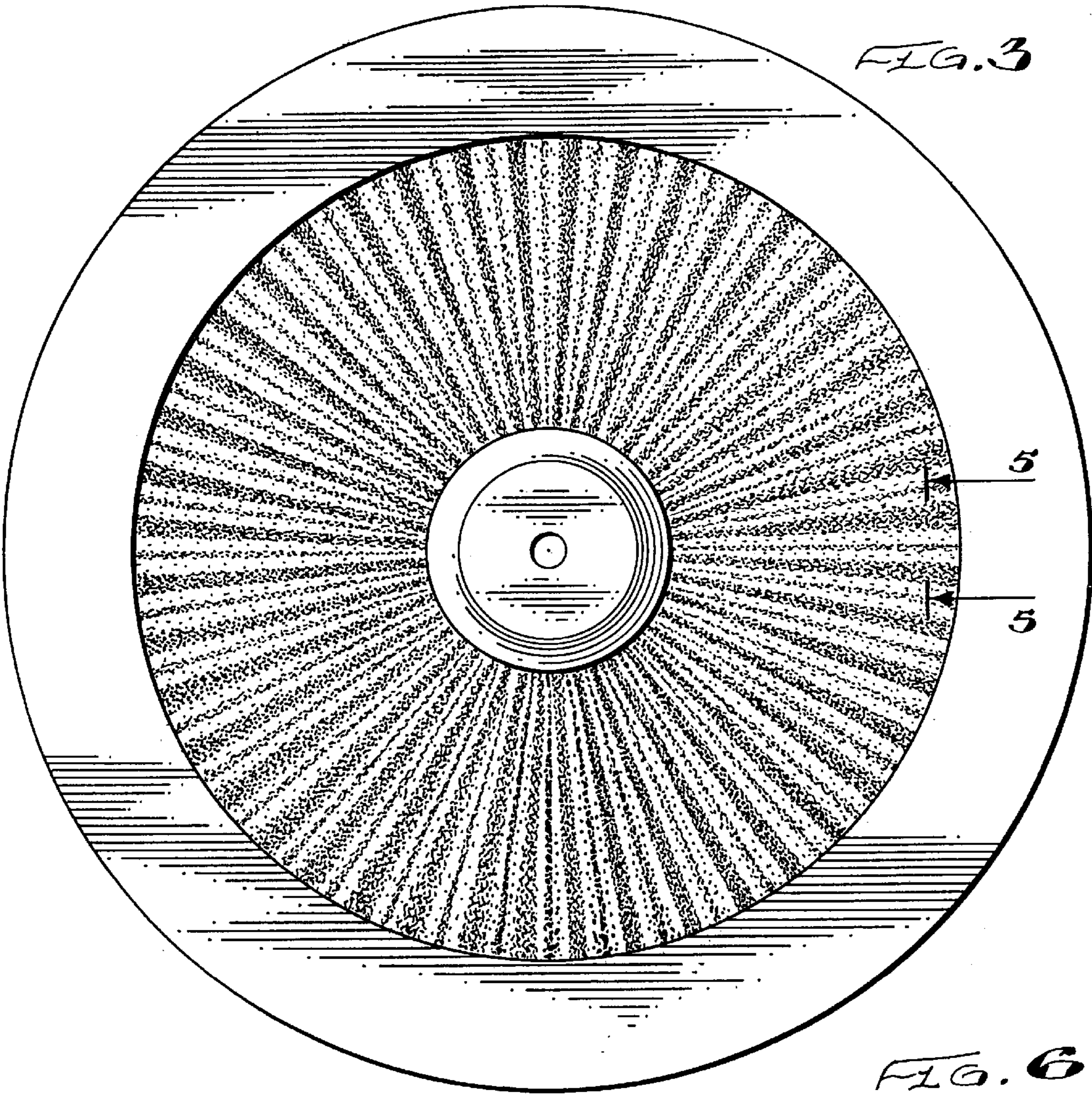


FIG. 5



US00D401597C1

(12) **REEXAMINATION CERTIFICATE** (4408th)

**United States Patent**

**Shelton et al.**

(10) **Number: US D401,597 C1**

(45) **Certificate Issued: Aug. 7, 2001**

(54) **SHALLOW CYLINDRICAL AIR FILTER WITH TOP AND SIDE FILTERING AREAS**

(75) Inventors: **Nathan E. Shelton**, Riverside, CA (US); **Duncan Bickerton**, Warrington (GB)

(73) Assignee: **K & N Engineering, Inc.**, Riverside, CA (US)

**Reexamination Request:**  
No. 90/005,452, Aug. 17, 1999

**Reexamination Certificate for:**  
Patent No.: **Des. 401,597**  
Issued: **Nov. 24, 1998**  
Appl. No.: **29/079,257**  
Filed: **Nov. 10, 1997**

- (51) **LOC (7) Cl.** ..... **15-01**
- (52) **U.S. Cl.** ..... **D15/5**
- (58) **Field of Search** ..... D15/1-6; 55/337, 55/385.5, 448, 502, 510, 497, 486, 501; 123/198 E

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

5,368,621 \* 11/1994 Pool ..... 55/323

**OTHER PUBLICATIONS**

K & N Engineering Catalog—Items E-9106 and E-9107 Round Panel Air Filters, 1993.\*

#1 Stop Products Ad featured in Nat'l Dragster Magazine, Feb. 25, 1995.\*

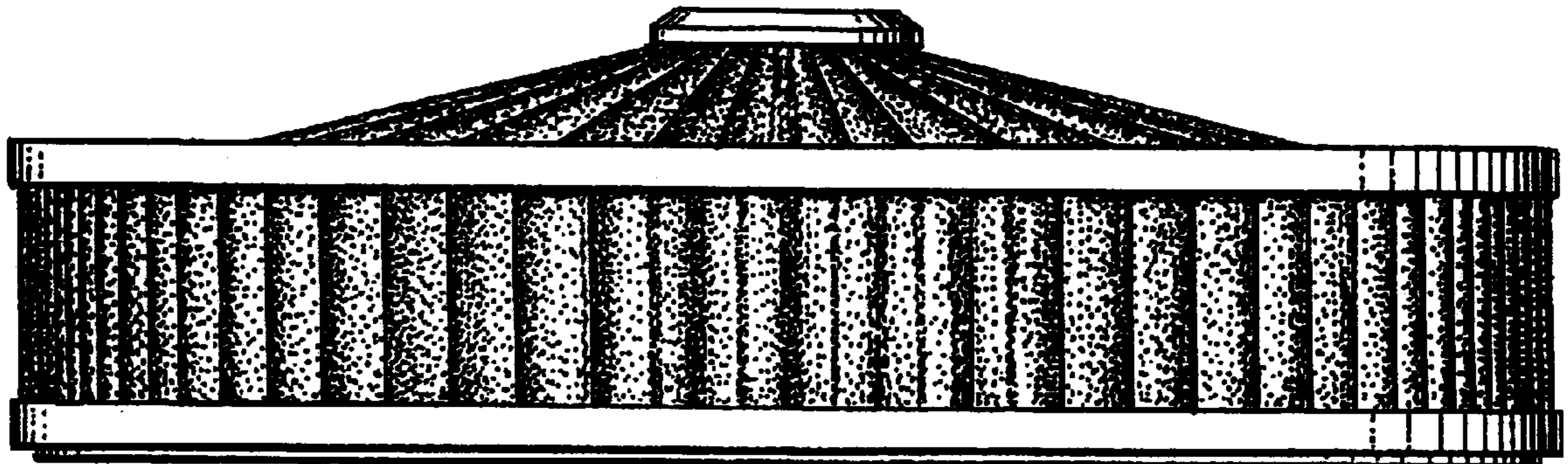
New Product for sale picture of #1 Stop, New Filter Top in Performance Racing Magazine Dated Aug./Sep. 1995 p. 87.\*

#1 Stop Air Filter Mounting Instructions and Warrenty, No Date.\*

K & N Engineering Catalog—Items E-9106, E9107, E9191, E9199 E-9204 and E-9224. Round Panel Air Filters, 1996.\*

\* cited by examiner

*Primary Examiner*—R. Seifert



1

**REEXAMINATION CERTIFICATE  
ISSUED UNDER 35 U.S.C. 307**

NO AMENDMENTS HAVE BEEN MADE TO  
THE PATENT

2

AS A RESULT OF REEXAMINATION, IT HAS BEEN  
DETERMINED THAT:

The patentability of the claim is confirmed.

\* \* \* \* \*