

[54] CUTTING TOOL INSERT

[75] Inventor: Kenneth L. Niebauer, Raleigh, N.C.

[73] Assignee: Kennametal Inc., Latrobe, Pa.

[\*\*] Term: 14 Years

[21] Appl. No.: 147,006

[22] Filed: Jan. 22, 1988

[52] U.S. Cl. .... D15/139; 407/114

[58] Field of Search ..... D15/138, 139, 140; 407/113, 114, 115, 116, 117

[56] References Cited

U.S. PATENT DOCUMENTS

|            |         |                     |           |
|------------|---------|---------------------|-----------|
| D. 275,396 | 9/1984  | Porat et al. .      |           |
| D. 280,514 | 9/1985  | Porat et al. ....   | D15/139   |
| D. 291,889 | 9/1987  | Pettersson et al. . |           |
| 3,636,602  | 1/1972  | Owen .....          | 407/113   |
| 3,733,664  | 5/1973  | McKelvey .          |           |
| 3,792,514  | 2/1974  | Ushijima .....      | 407/115 X |
| 3,968,550  | 7/1976  | Gehri .....         | 407/114   |
| 4,318,644  | 3/1982  | Seidel .....        | D15/139 X |
| 4,318,645  | 3/1982  | McCreery .          |           |
| 4,340,324  | 7/1982  | McCreery .          |           |
| 4,359,300  | 11/1982 | Hazra et al. ....   | 407/114   |
| 4,411,565  | 10/1983 | Hazra et al. ....   | 407/114   |

|           |         |                     |         |
|-----------|---------|---------------------|---------|
| 4,507,024 | 3/1985  | Stashko .....       | 407/114 |
| 4,685,844 | 8/1987  | McCreery et al. .   |         |
| 4,741,649 | 5/1988  | Mori .....          | 407/114 |
| 4,787,784 | 11/1988 | Bernadi et al. .... | 407/114 |

OTHER PUBLICATIONS

"Sandvik Coromant's New Turning Generation," an advertisement, dated 1987.

"Chip Control Inserts," an advertisement of Kennametal Inc., published Feb. 1987.

Primary Examiner—James R. Largen

Assistant Examiner—Jeffrey Asch

Attorney, Agent, or Firm—Thomas R. Trempus

[57] CLAIM

The ornamental design for a cutting tool insert as shown and described.

DESCRIPTION

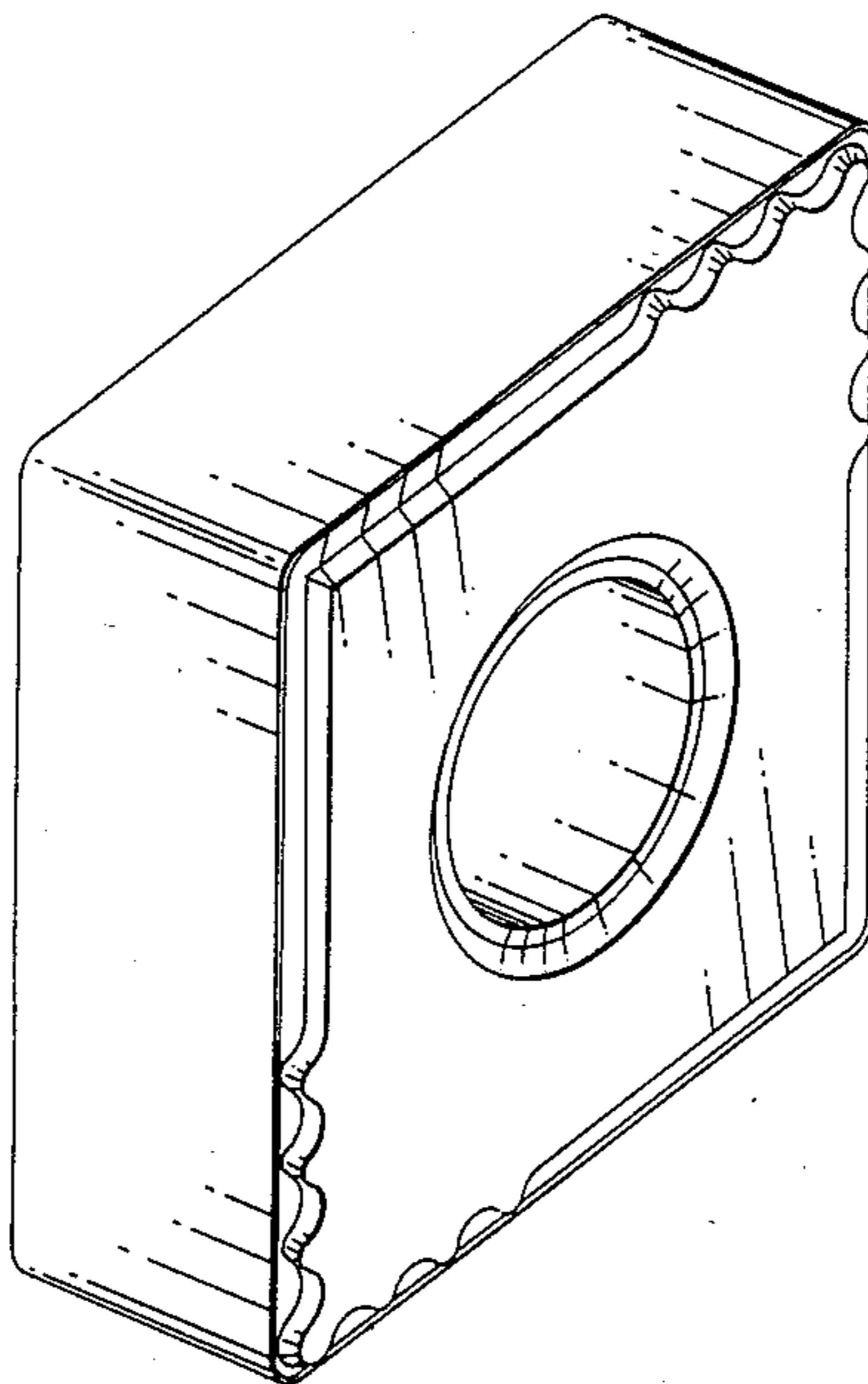
FIG. 1 is a top and left side perspective view of a cutting tool insert showing my new design;

FIG. 2 is a top plan view;

FIG. 3 is an elevational view, taken from the right side;

FIG. 4 is a bottom plan view; and

FIG. 5 is a cross sectional view taken along line V—V in FIG. 2, thereof.



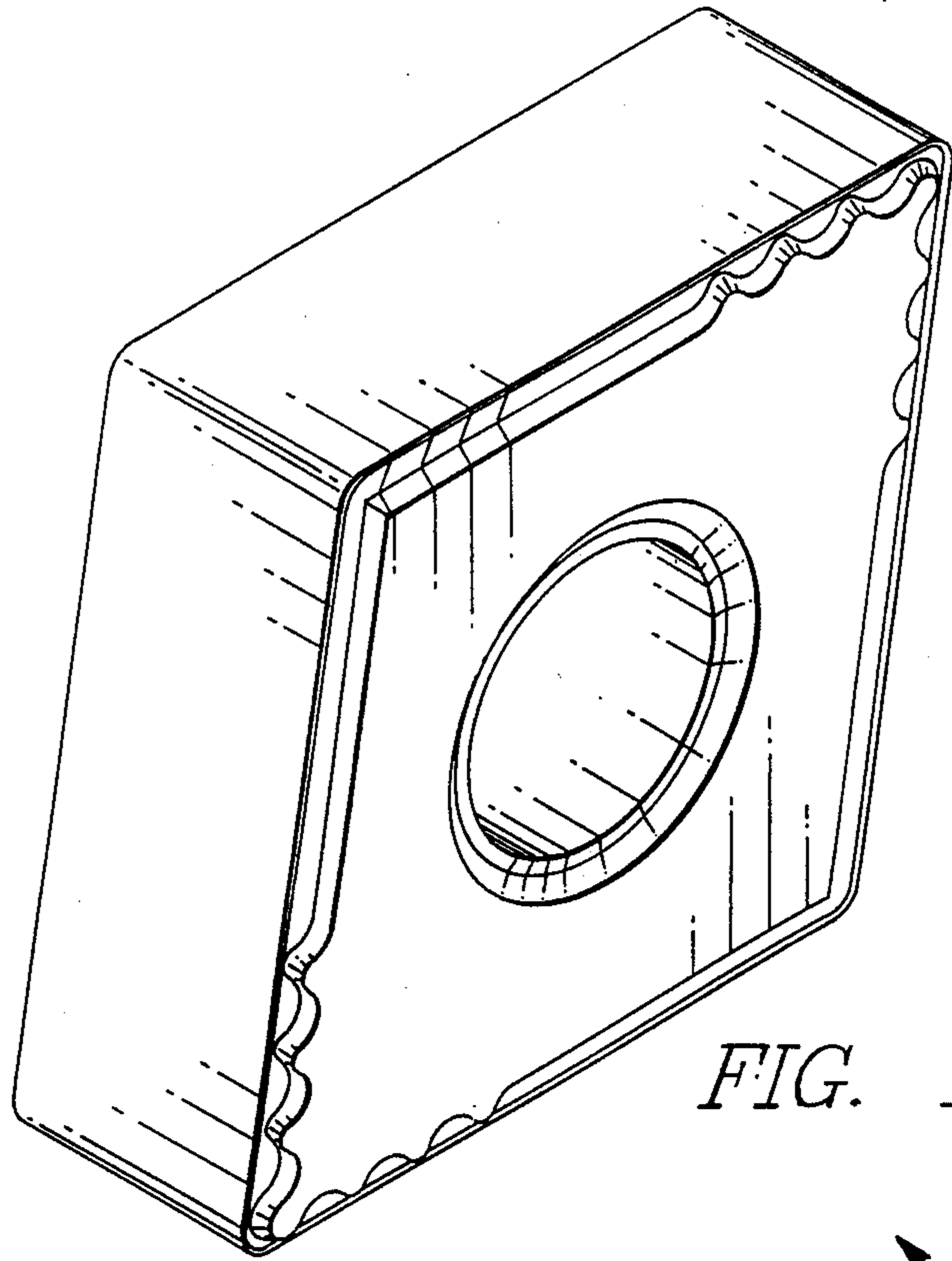


FIG. 1

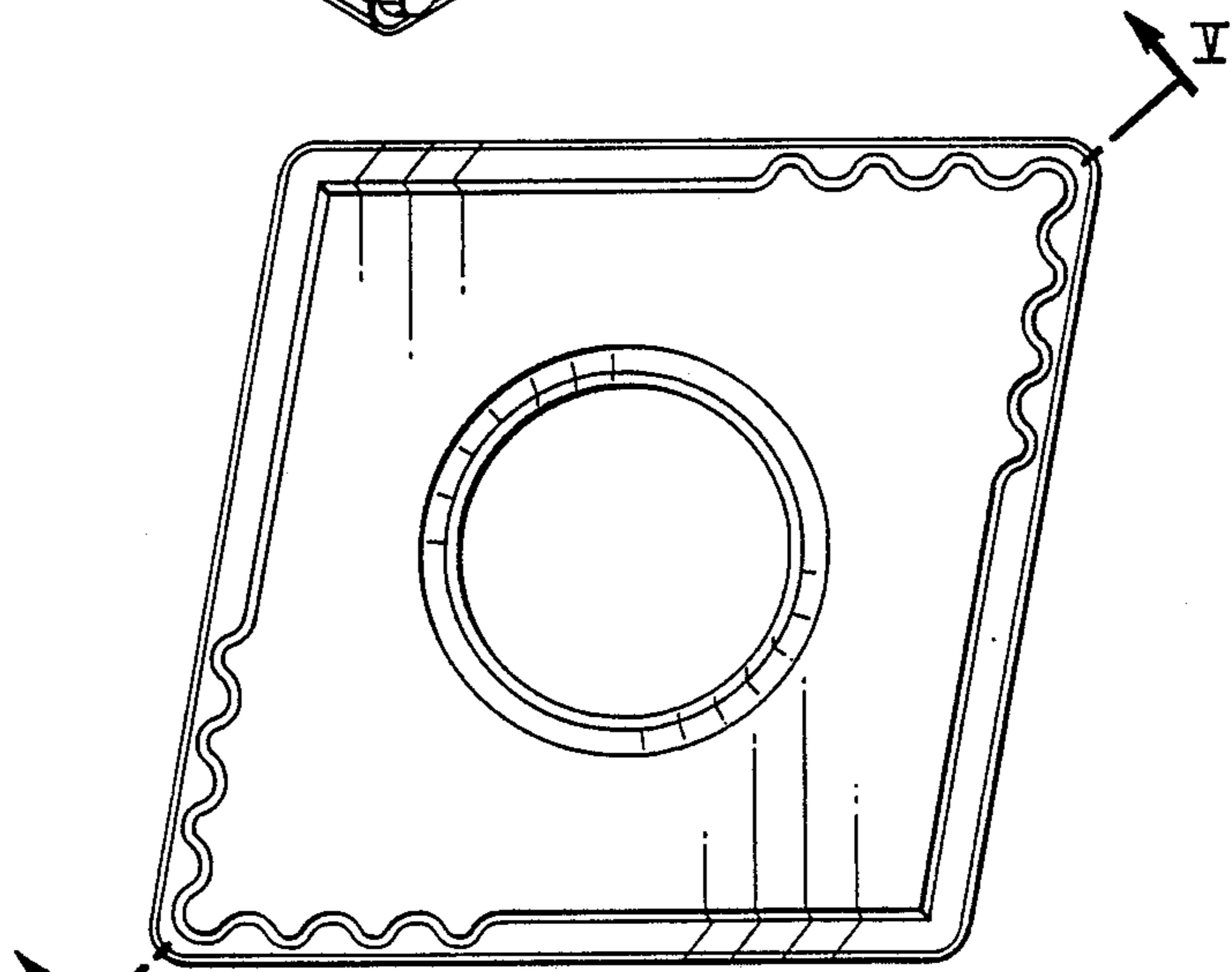


FIG. 2

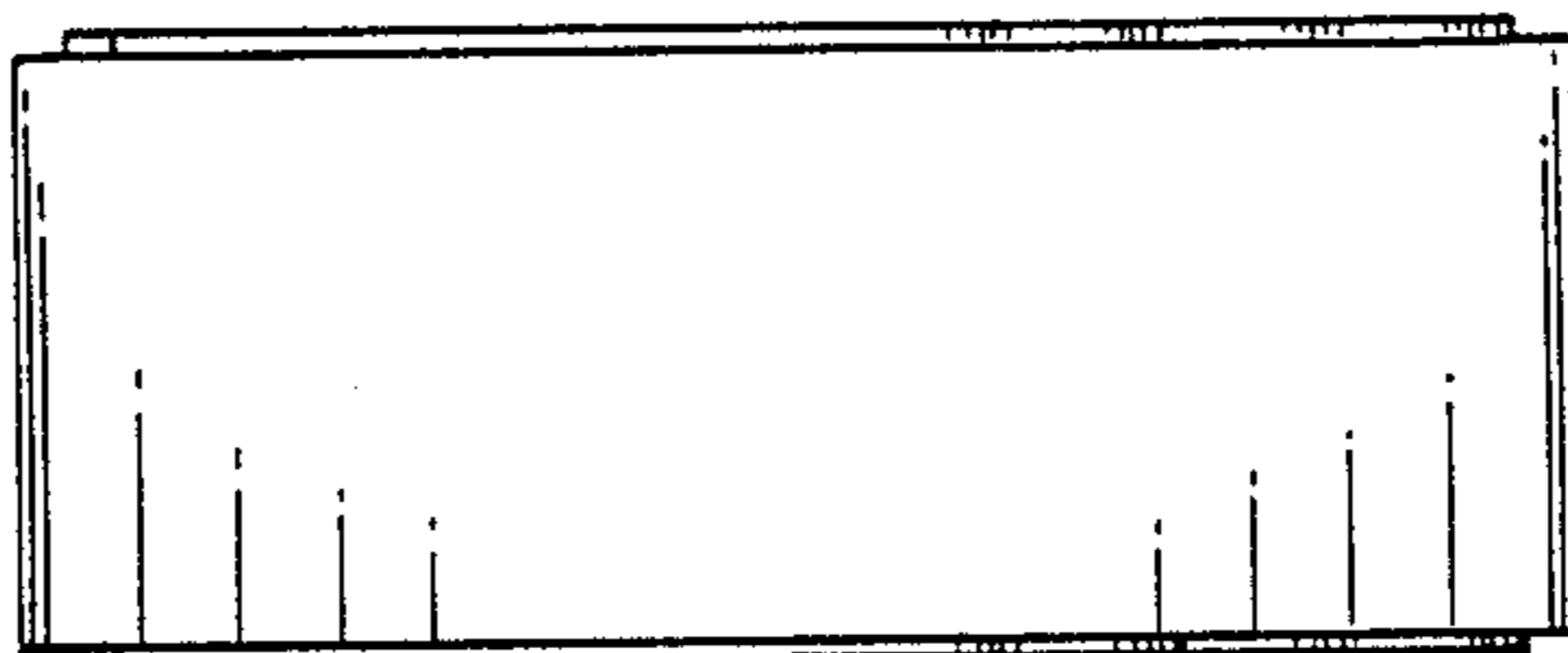


FIG. 3

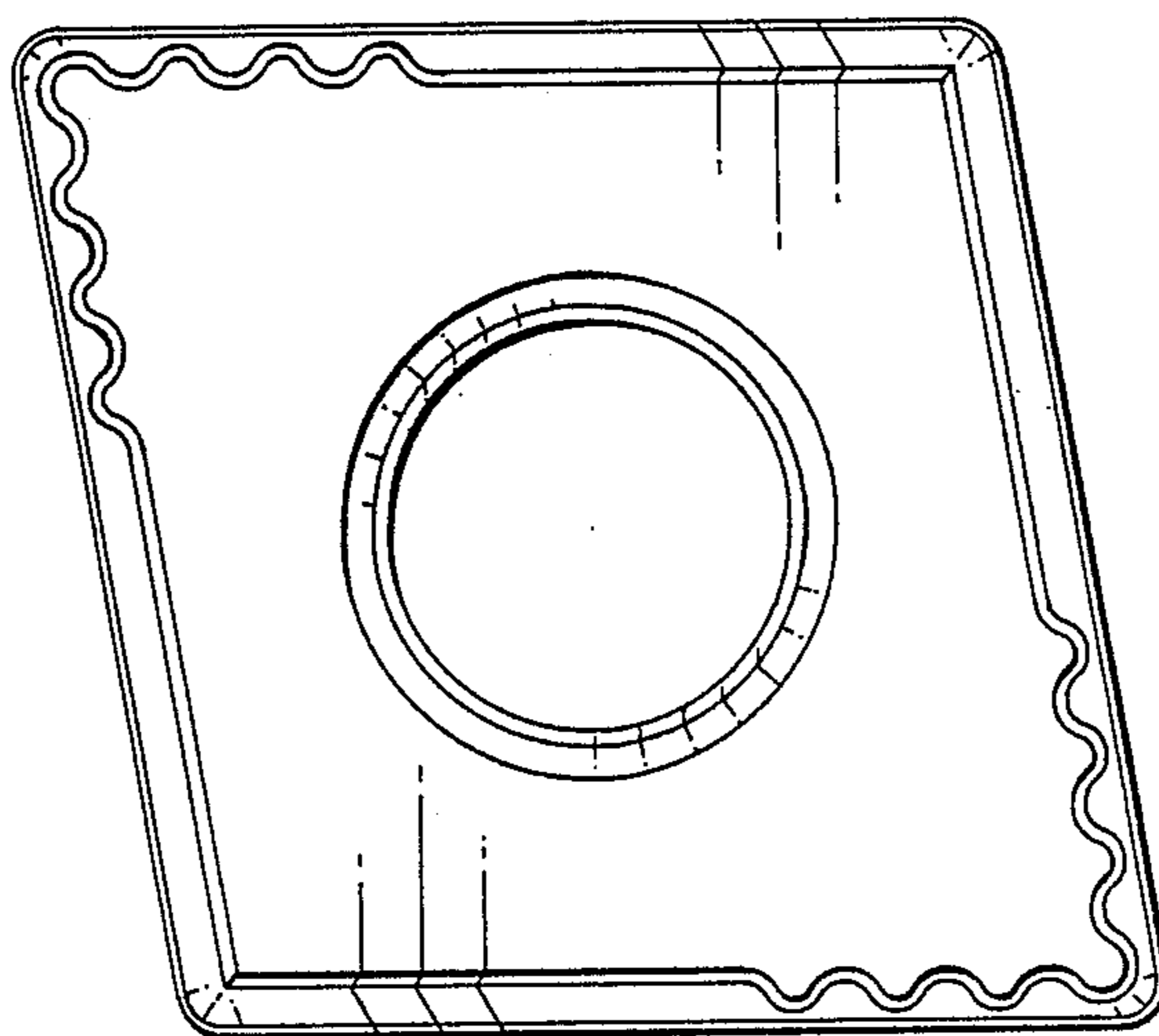


FIG. 4

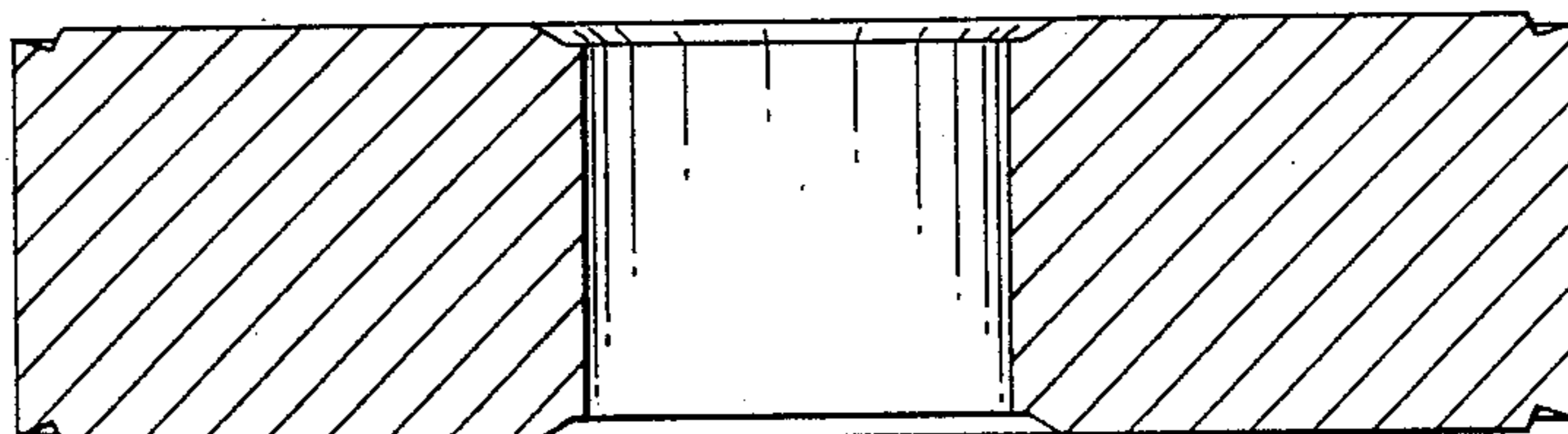


FIG. 5