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(12) **United States Design Patent**
Shiraichi et al.

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(54) **CROSS-FLOW FAN**

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(**) Term: **14 Years**

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Oct. 1, 2010 (JP) 2010-023574

(51) **LOC (9) Cl.** **23-04**

(52) **U.S. Cl.** **D23/413**

(58) **Field of Classification Search** D6/309;
D13/179; D23/370-386, 411-414; 165/80.3,
165/120-122, 900; 310/12.13, 26, 52, 58,
310/60 A, 60 R, 61-65, 112, 125, 156.35-156.37,
310/157, 211, 261.1, 266, 268; 361/679.48,
361/694-697; 392/365, 373, 382, 383; 415/60,
415/66, 68, 175-178, 206, 208.1, 211.2,
415/213.1, 214.1, 215.1; 416/179, 185, 186 R,
416/187, 244 R, 246, 247 R

See application file for complete search history.

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(57) **CLAIM**

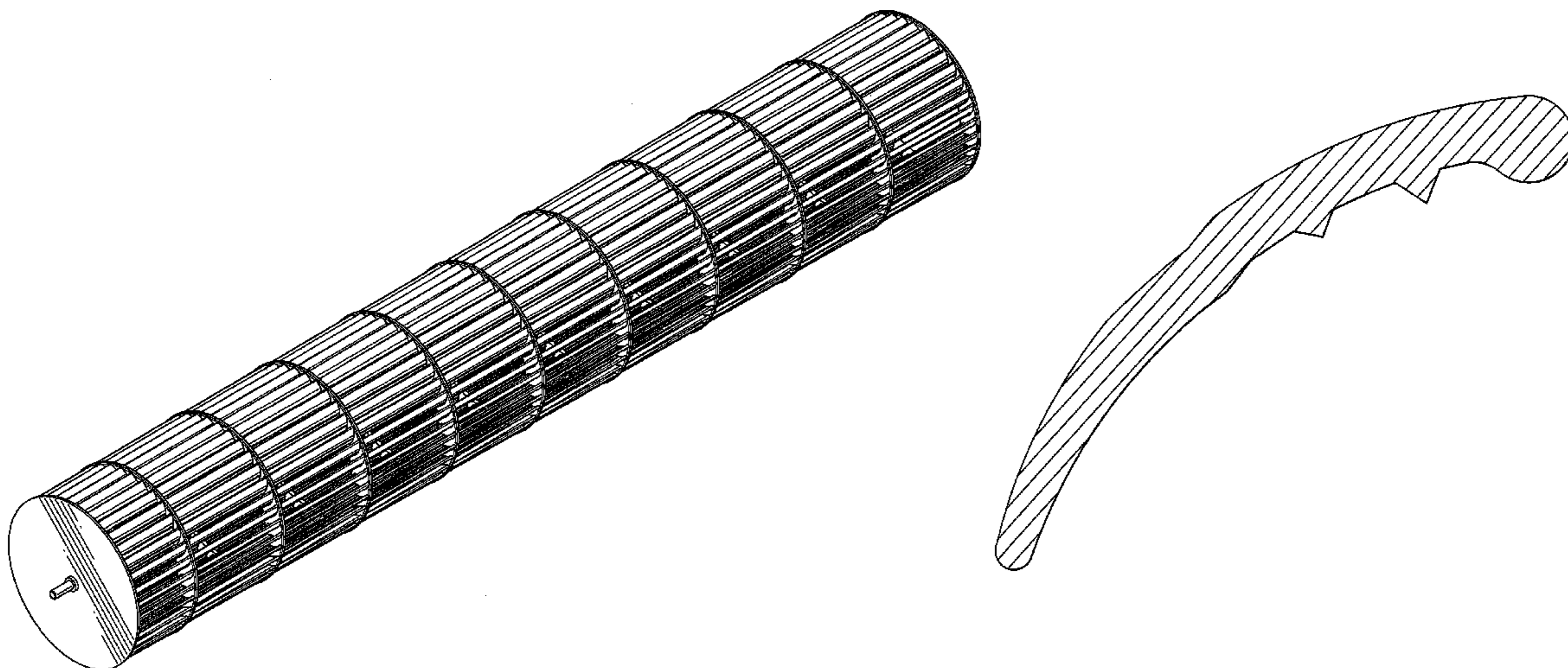
The ornamental design for a cross-flow fan, as shown and described.

DESCRIPTION

FIG. 1 is a bottom, left, rear perspective view of a cross-flow fan in accordance with our new design; FIG. 2 is a front elevation view thereof; FIG. 3 is a rear elevation view thereof; FIG. 4 is a top plan view thereof; FIG. 5 is a bottom plan view thereof; FIG. 6 is a right side elevation view thereof; and FIG. 7 is a left side elevation view thereof; FIG. 8 is a cross-section view thereof, taken along line 8-8 of FIG. 2, shown at an enlarged scale; FIG. 9 is a cross-section view of a single fan blade thereof, shown at a further enlarged scale; and, FIG. 10 is a top, right, rear perspective view thereof.

The broken lines depict environmental subject matter only and form no part of the claimed design.

1 Claim, 6 Drawing Sheets



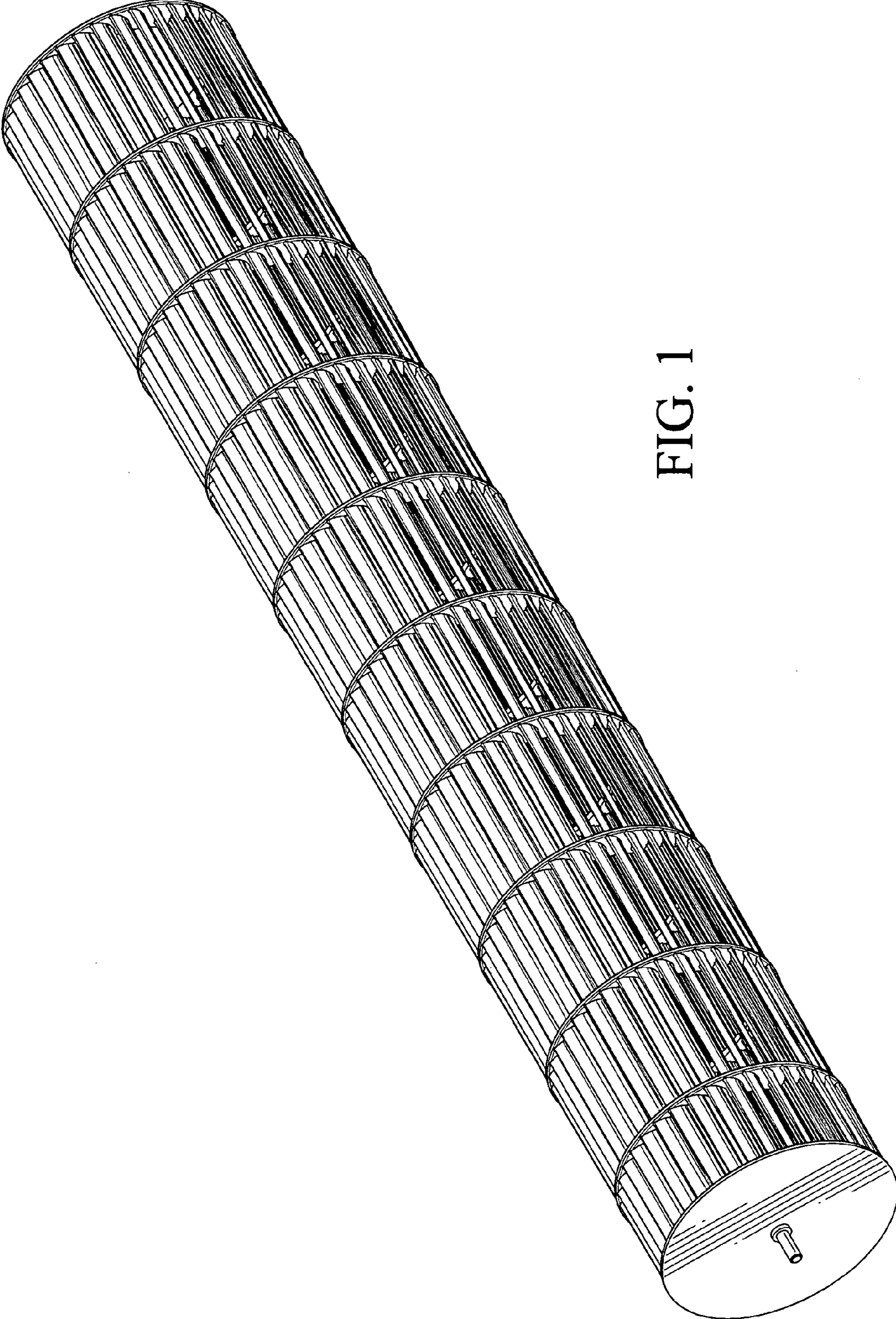


FIG. 1

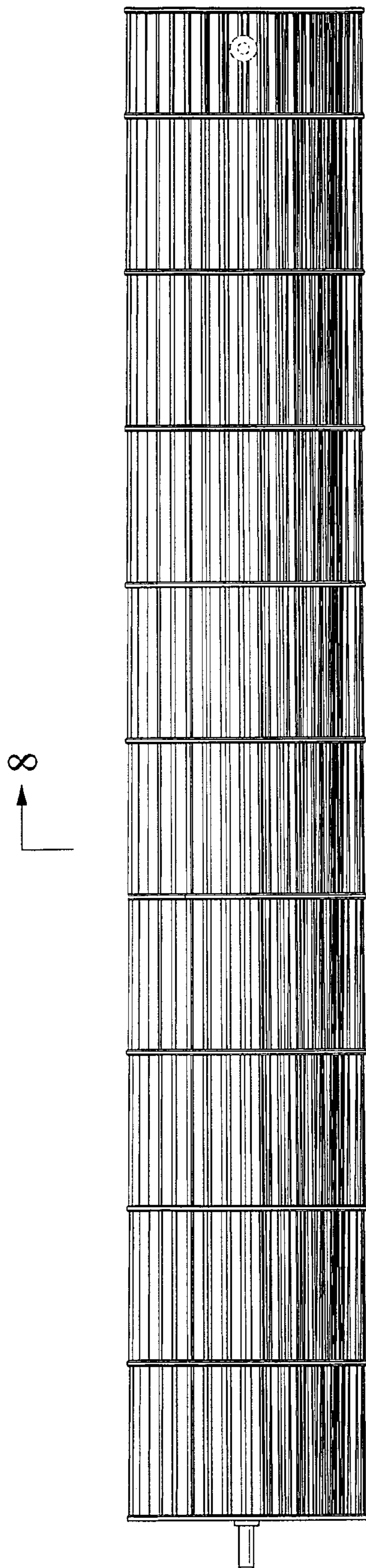


FIG. 2

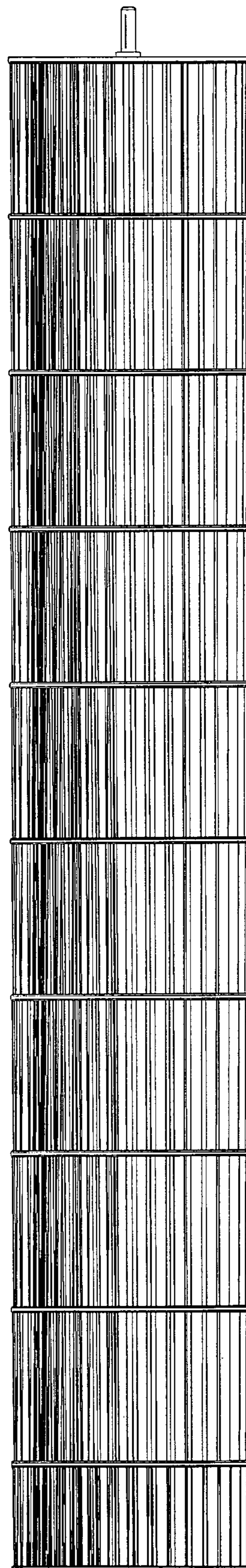


FIG. 3



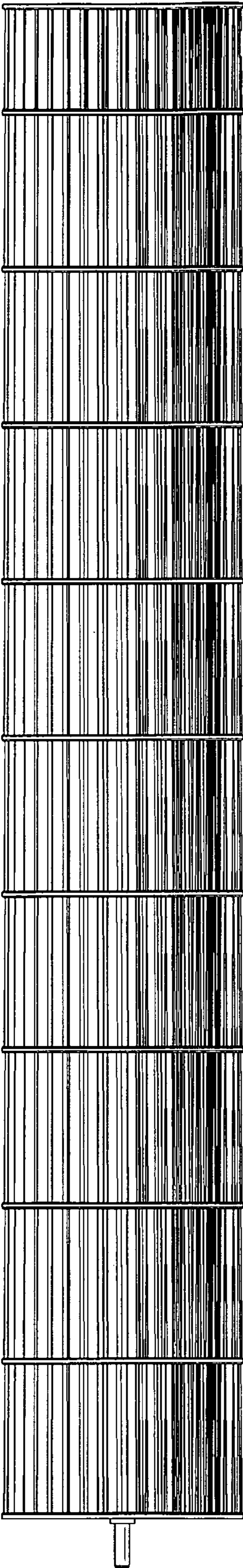


FIG. 4



FIG. 5

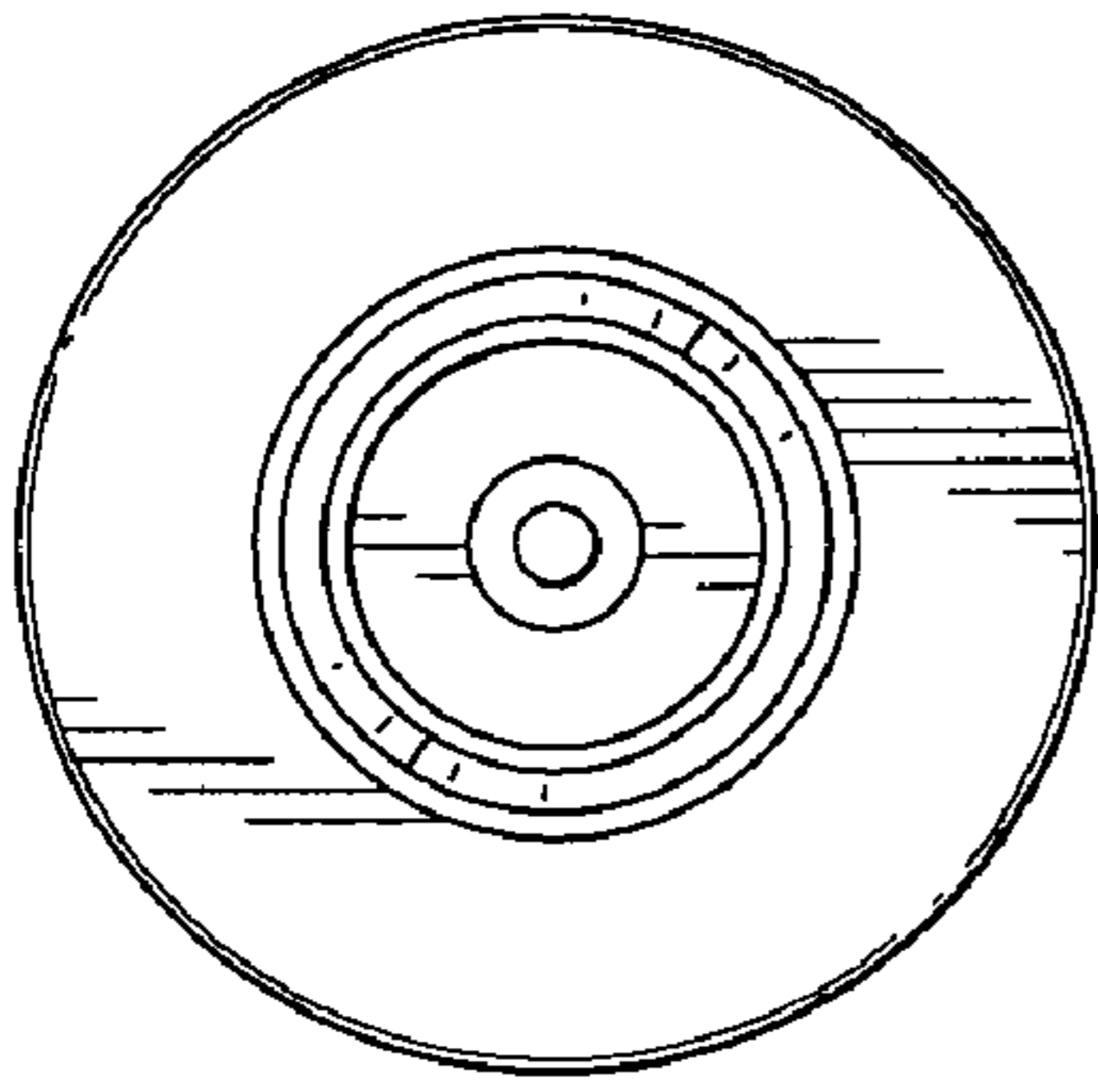


FIG. 6

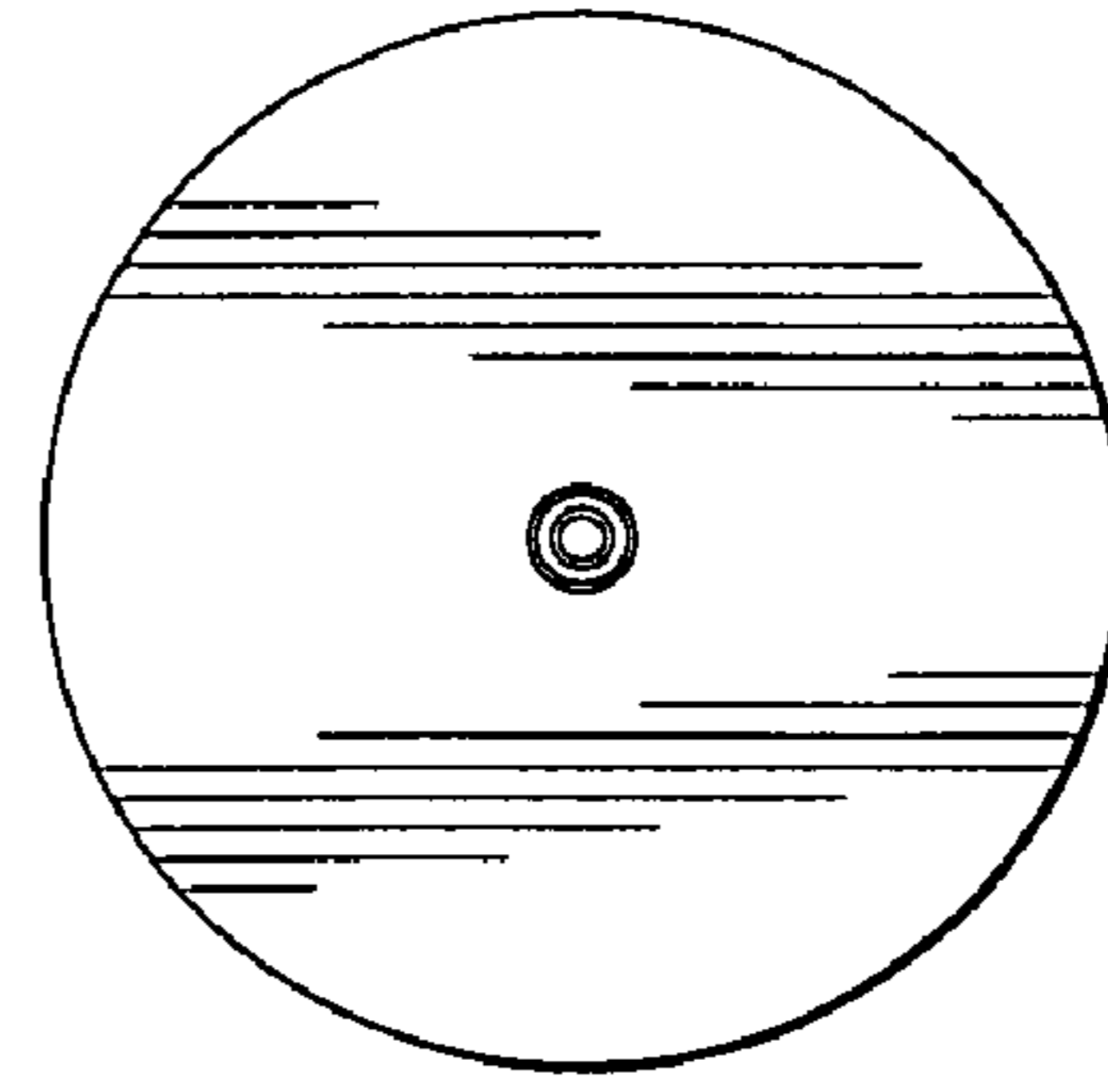


FIG. 7

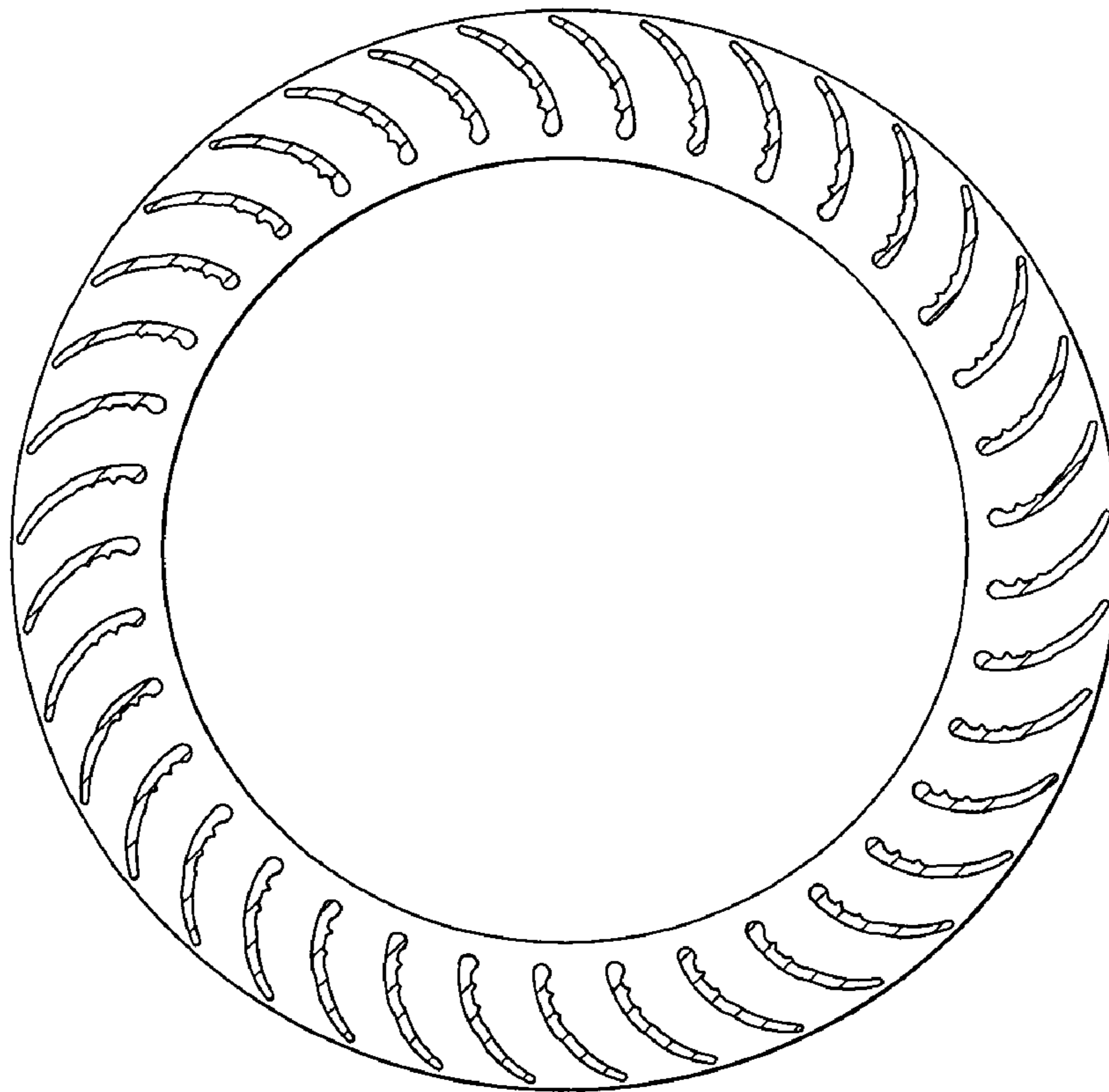


FIG. 8

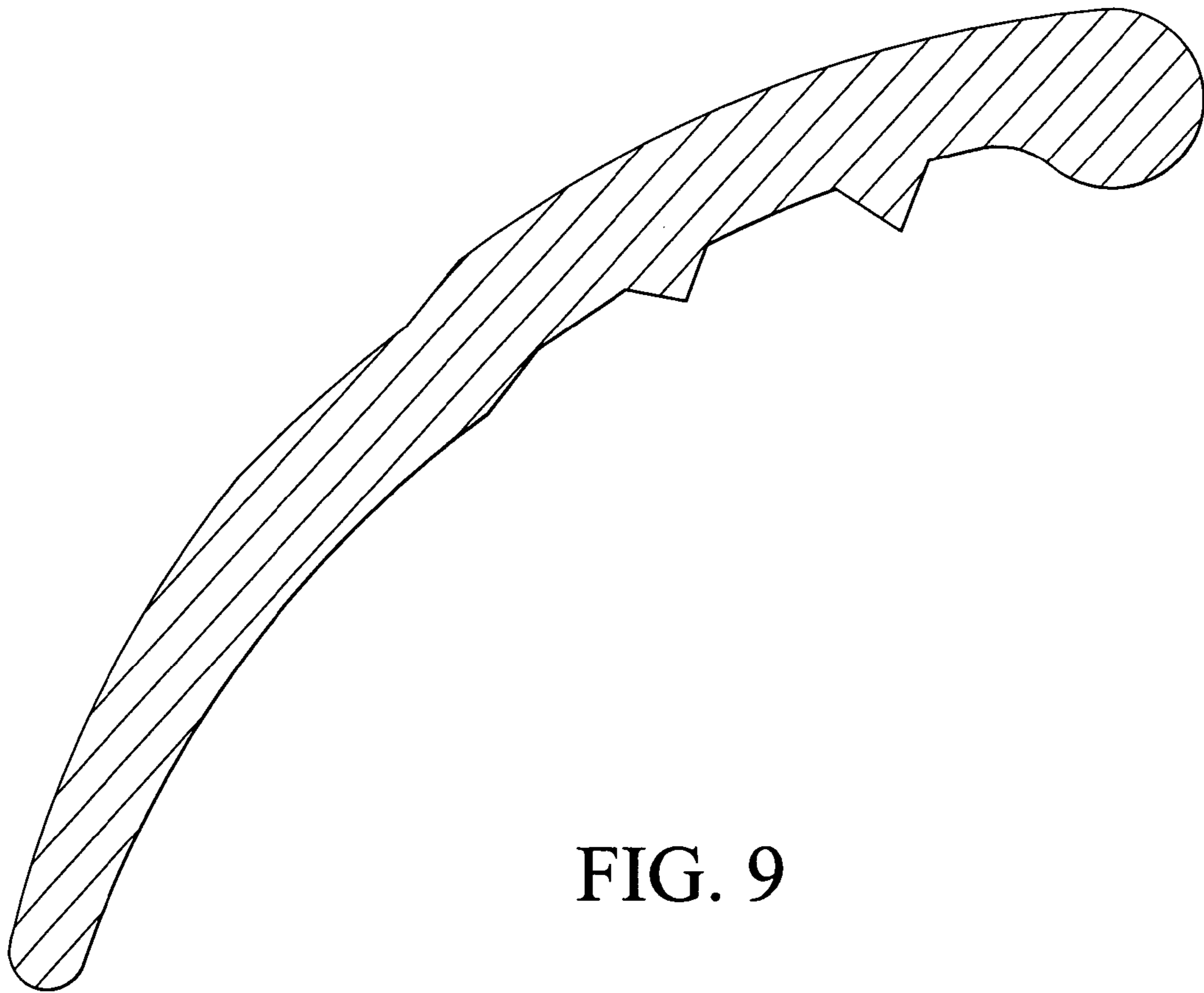


FIG. 9

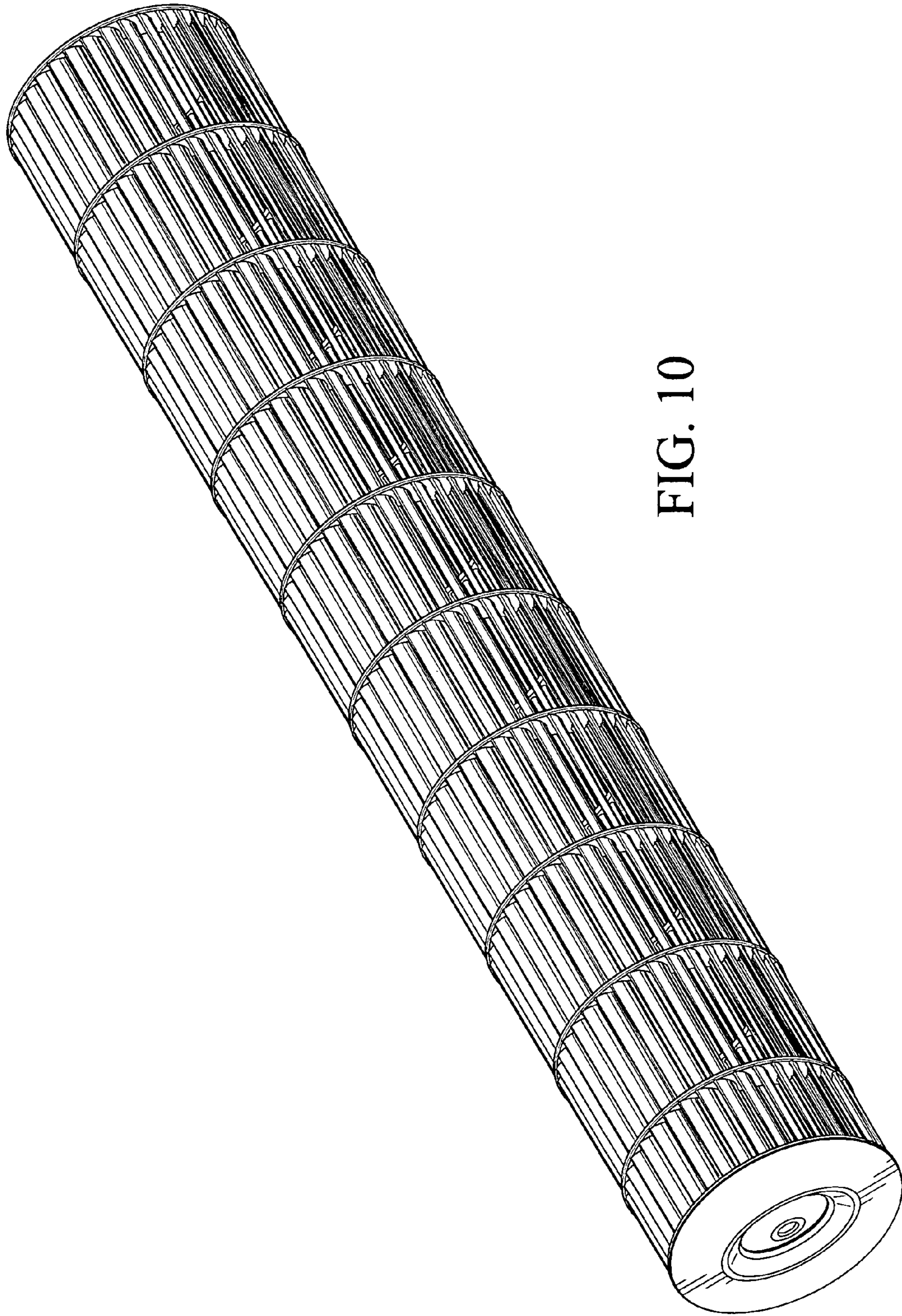


FIG. 10