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

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

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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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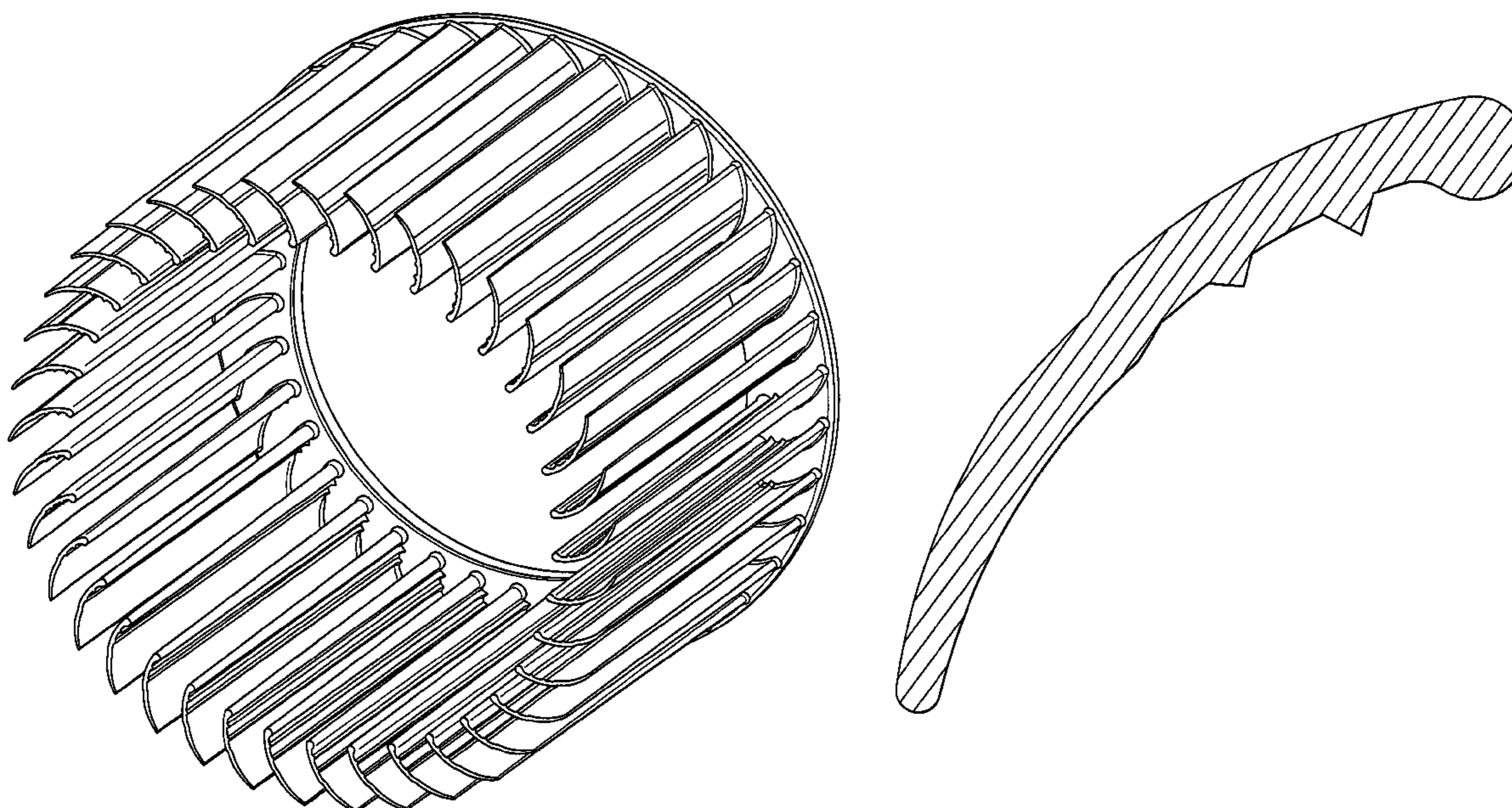
(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a top, right 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;  
FIG. 7 is a left side elevation view thereof; and,  
FIG. 8 is an enlarged cross-section view of a single fan blade thereof.

**1 Claim, 7 Drawing Sheets**





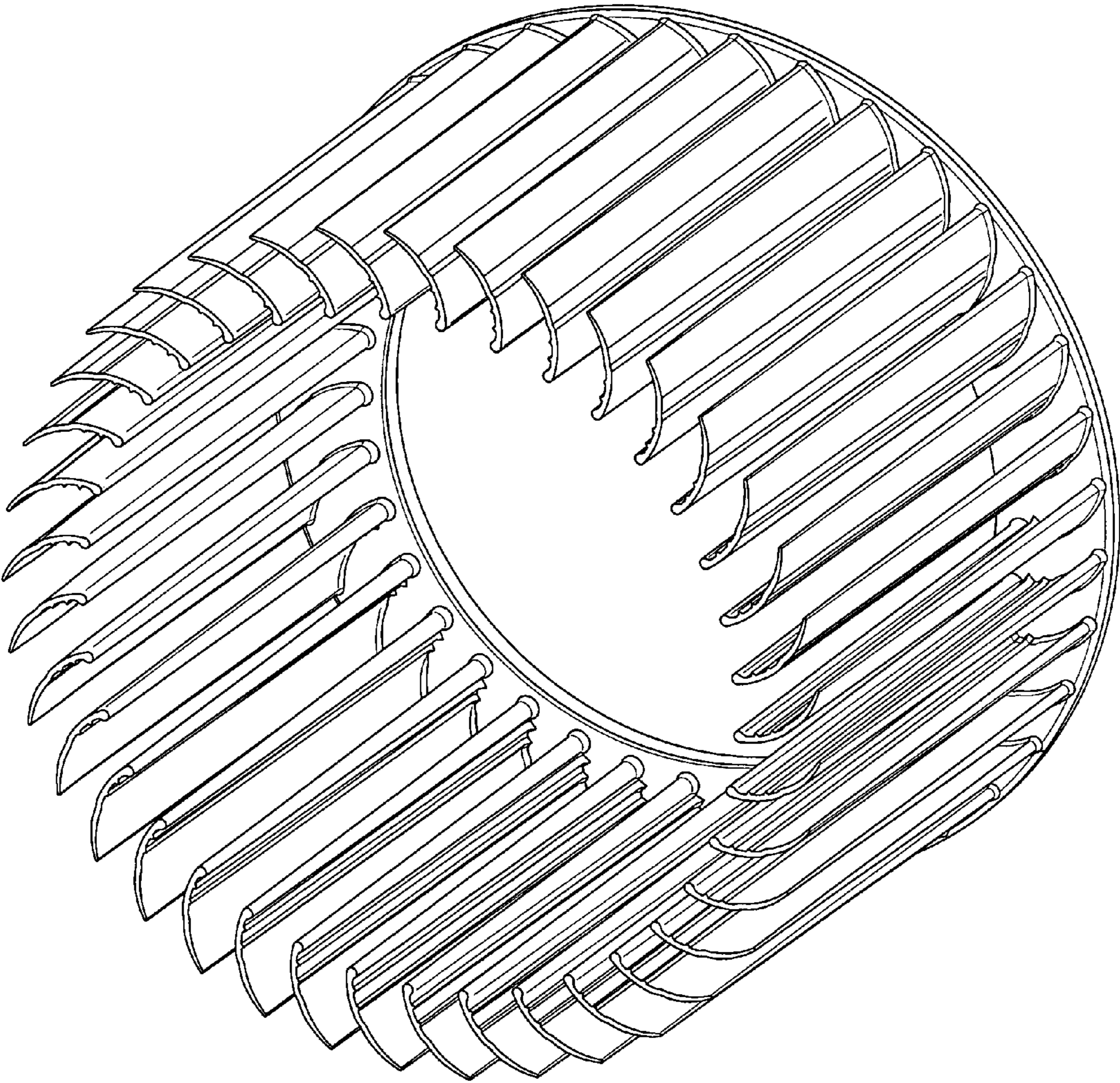


FIG. 1

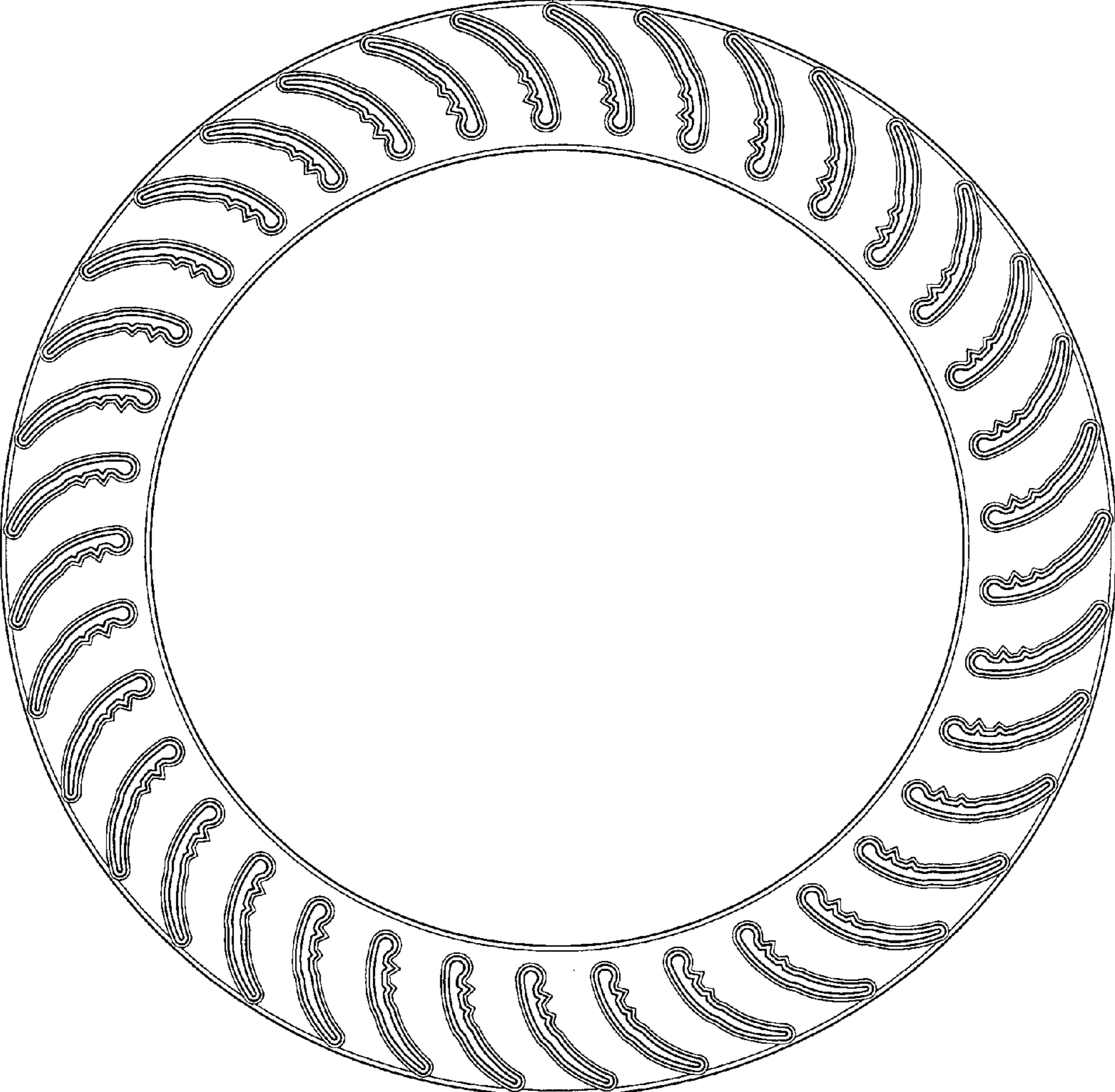


FIG. 2

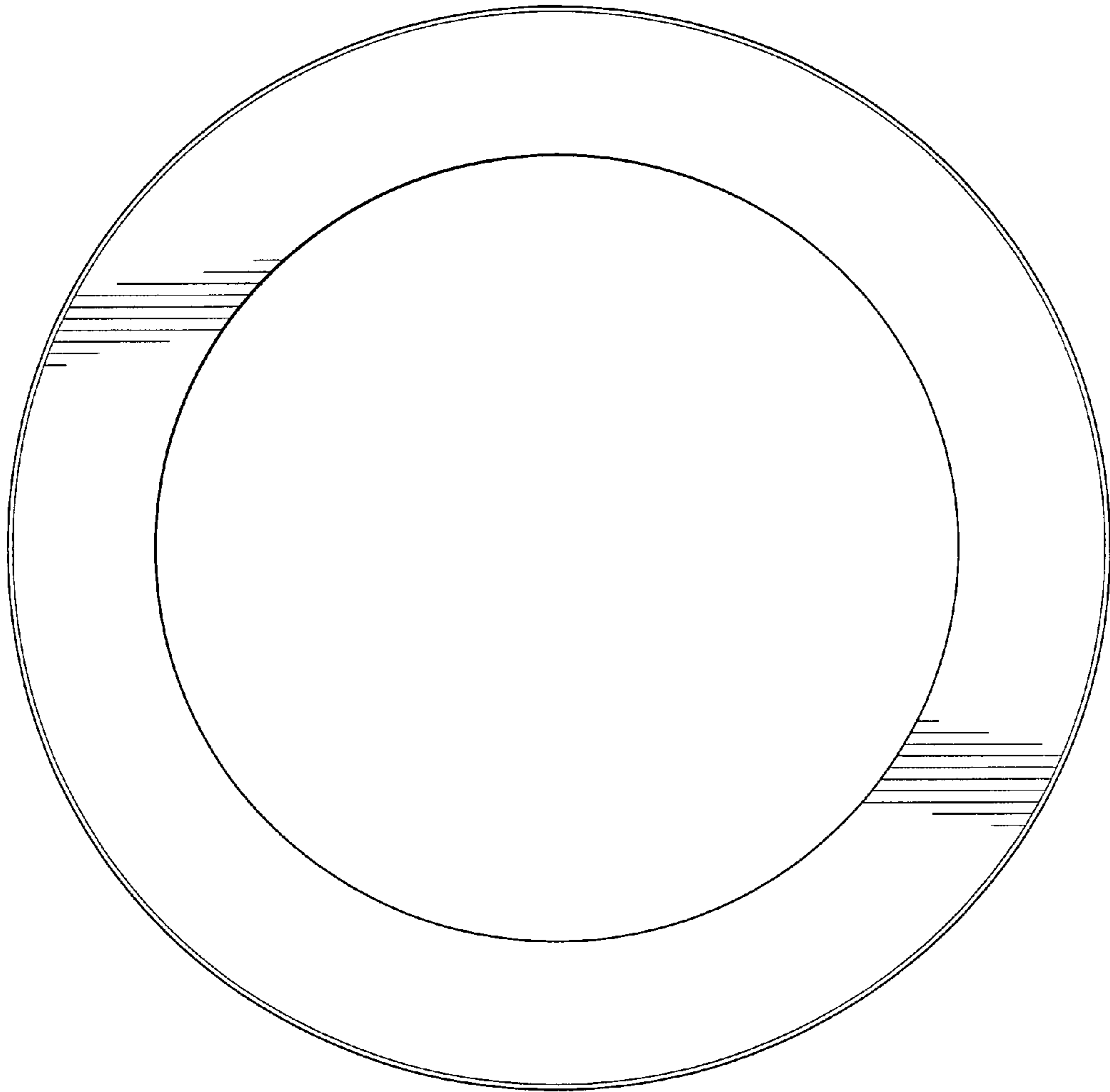


FIG. 3

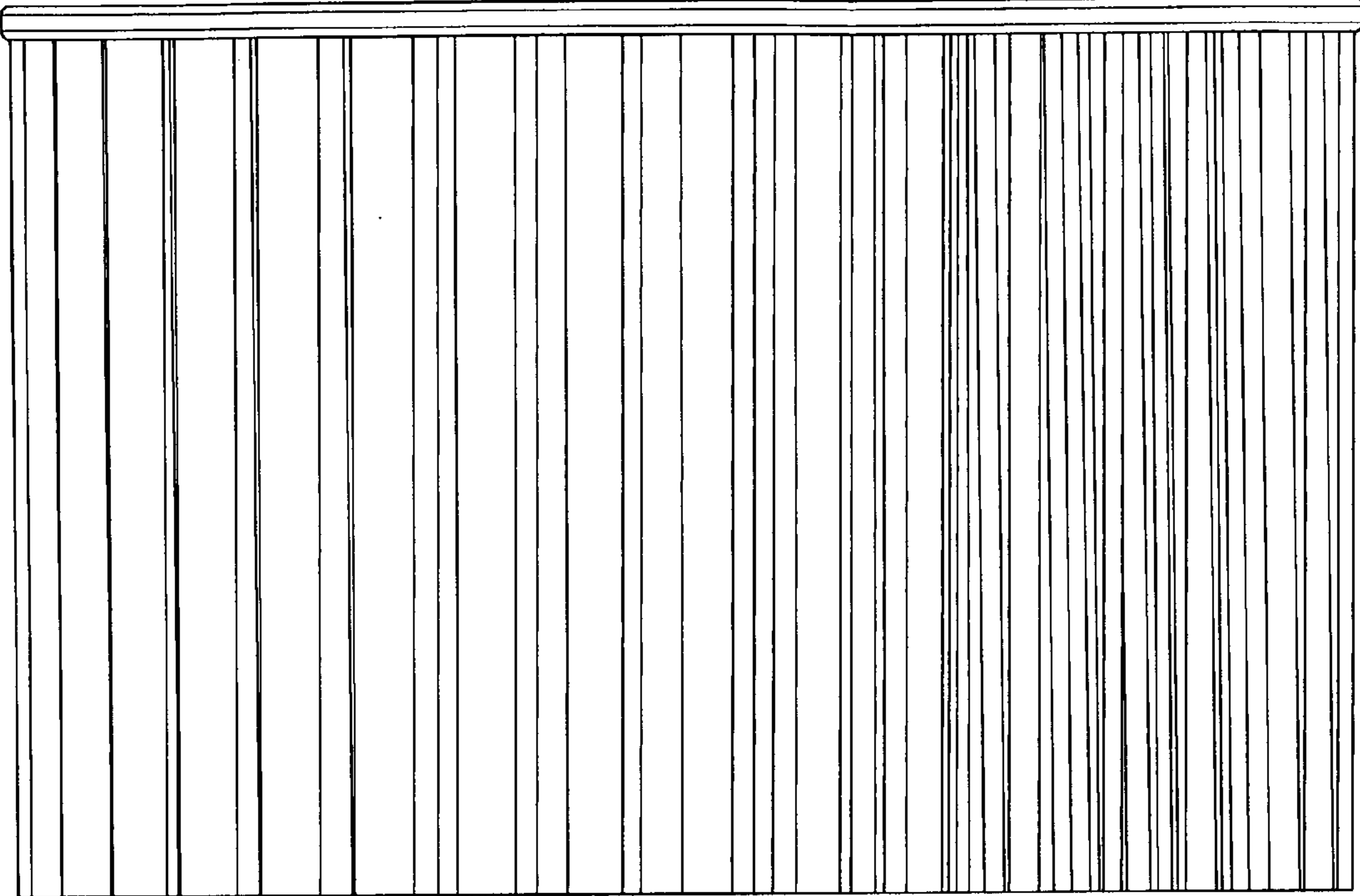


FIG. 4

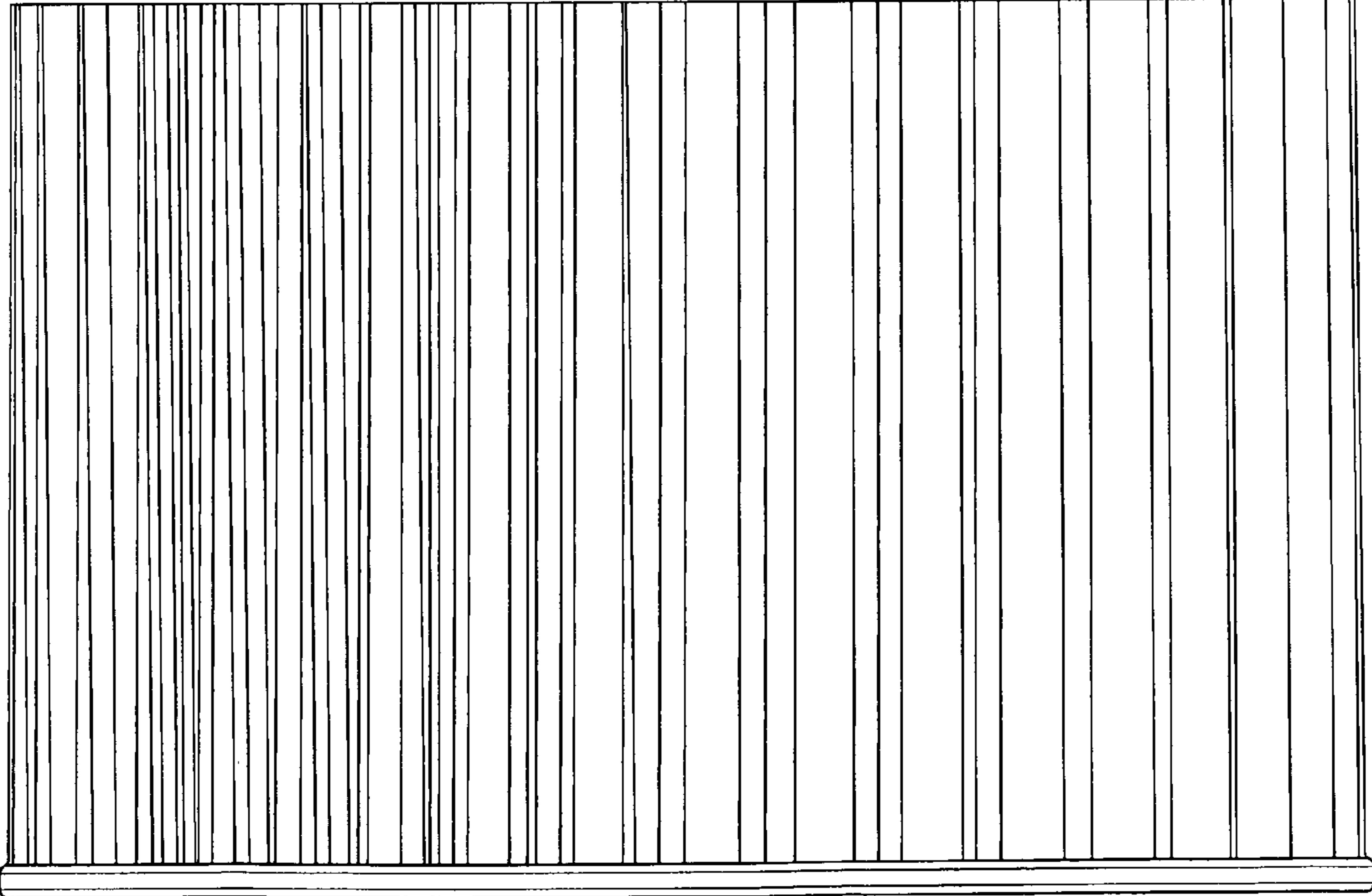


FIG. 5



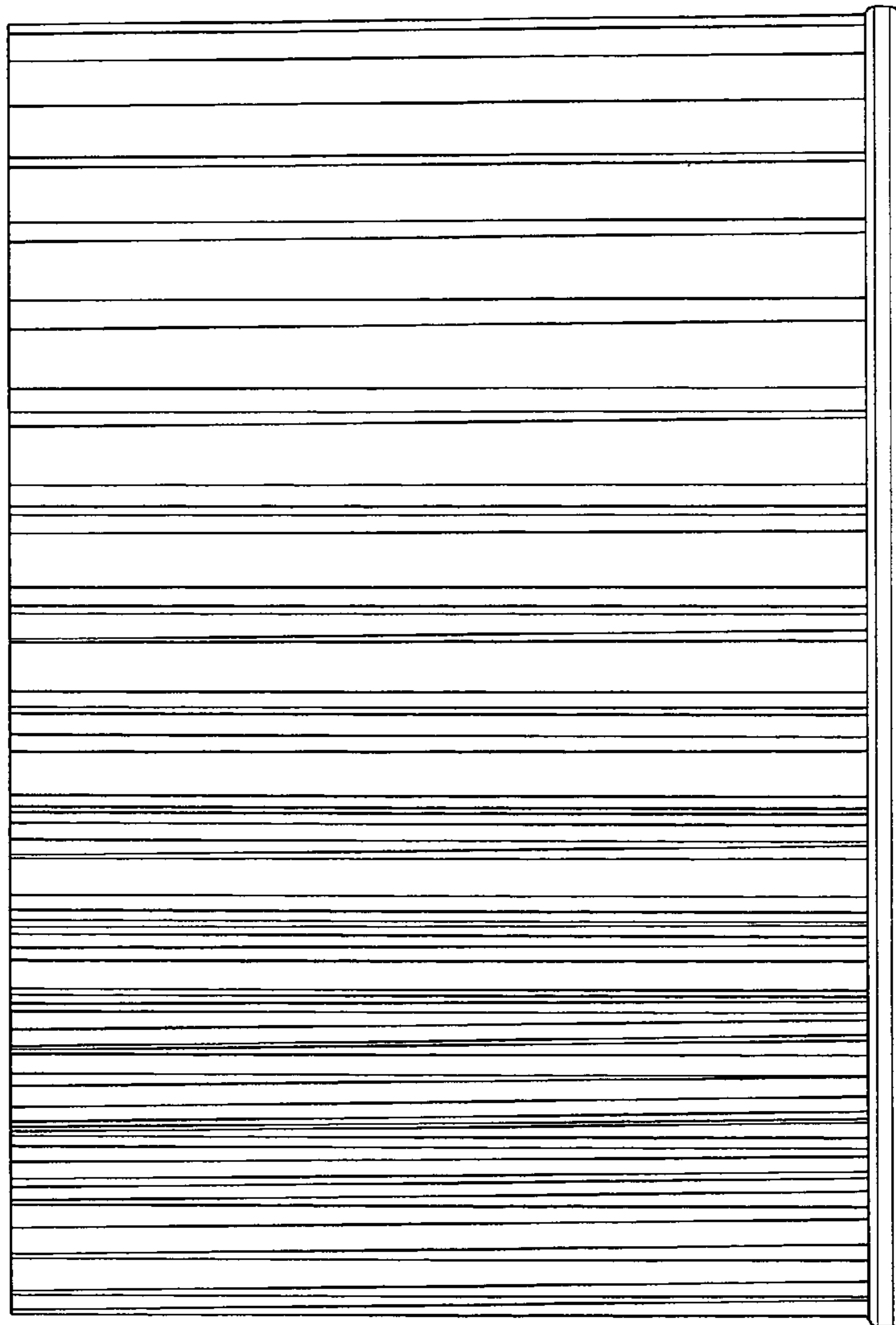


FIG. 6

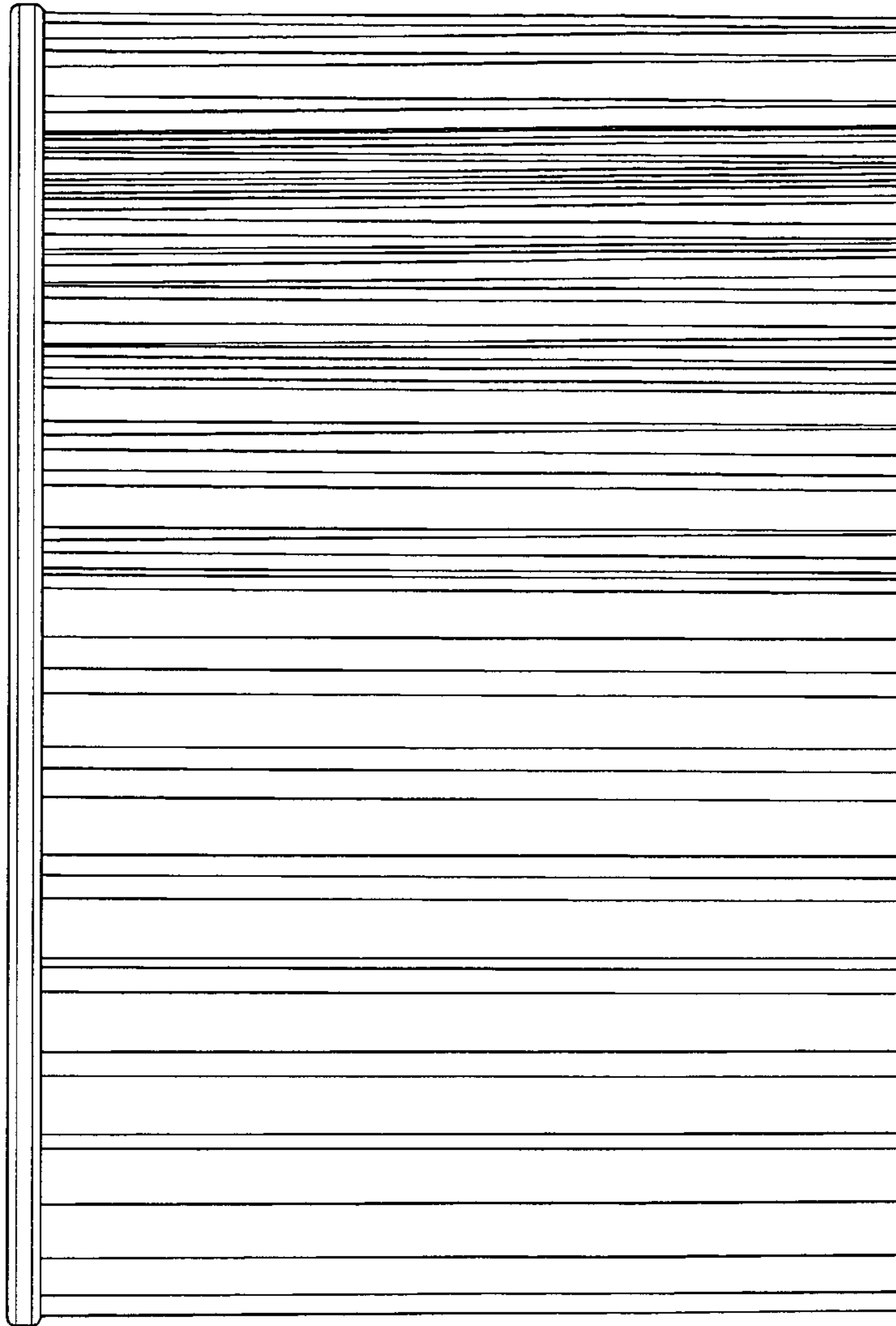


FIG. 7

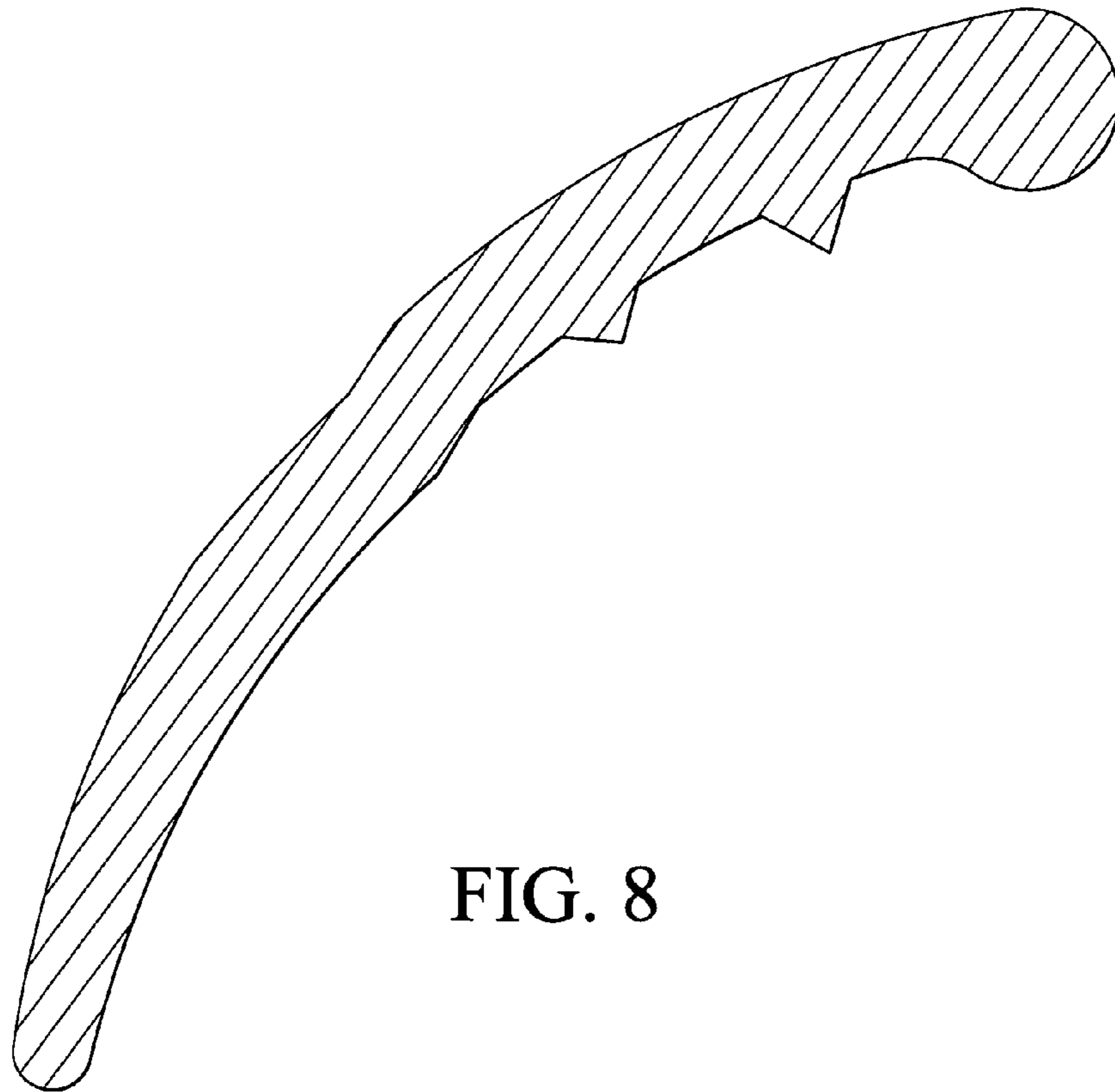


FIG. 8