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United States Patent [19]

Kenney

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[54] **PAWL AND RATCHET FOR ALIGNING CONTINUOUS FEED PAPER IN A PRINTER AND EMBOSSE**

[75] **Inventor: Raymond W. Kenney, Tulsa, Okla.**

[73] **Assignee: Sandco, Inc., Tulsa, Okla.**

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

[21] **Appl. No.: 905,843**

[22] **Filed: Jun. 26, 1992**

[52] **U.S. Cl. D18/56**

[58] **Field of Search 400/641, 202; 346/1.1, 346/136; 101/228, 232; D18/56**

[56] **References Cited**

U.S. PATENT DOCUMENTS

1,118,101	11/1914	Brown	400/641
1,142,005	6/1915	Yaw	400/641
1,675,045	6/1928	Ohmer et al.	101/228
2,140,834	12/1938	Gazette	101/228
2,405,373	8/1946	Seeley	101/228
3,049,078	8/1962	Smith, Jr.	101/228
3,902,418	9/1975	Morishita et al.	101/228
4,475,457	10/1984	Davison	101/228
4,734,716	3/1988	Silverberg et al.	346/1.1
4,791,433	12/1988	Mallicoat	346/136

5,137,382 8/1992 Miyajima 400/202

FOREIGN PATENT DOCUMENTS

0057685	4/1982	Japan	400/641
0130962	6/1987	Japan	400/641
766108	1/1957	United Kingdom	346/136
990385	4/1965	United Kingdom	101/228

OTHER PUBLICATIONS

IBM Technical Disclosure Bulletin; Jan. 1981; p. 3585; Paper Feed Roller.

IBM Technical Disclosure Bulletin; Nov. 1989; p. 291; Barrel Rolls for Document Alignment.

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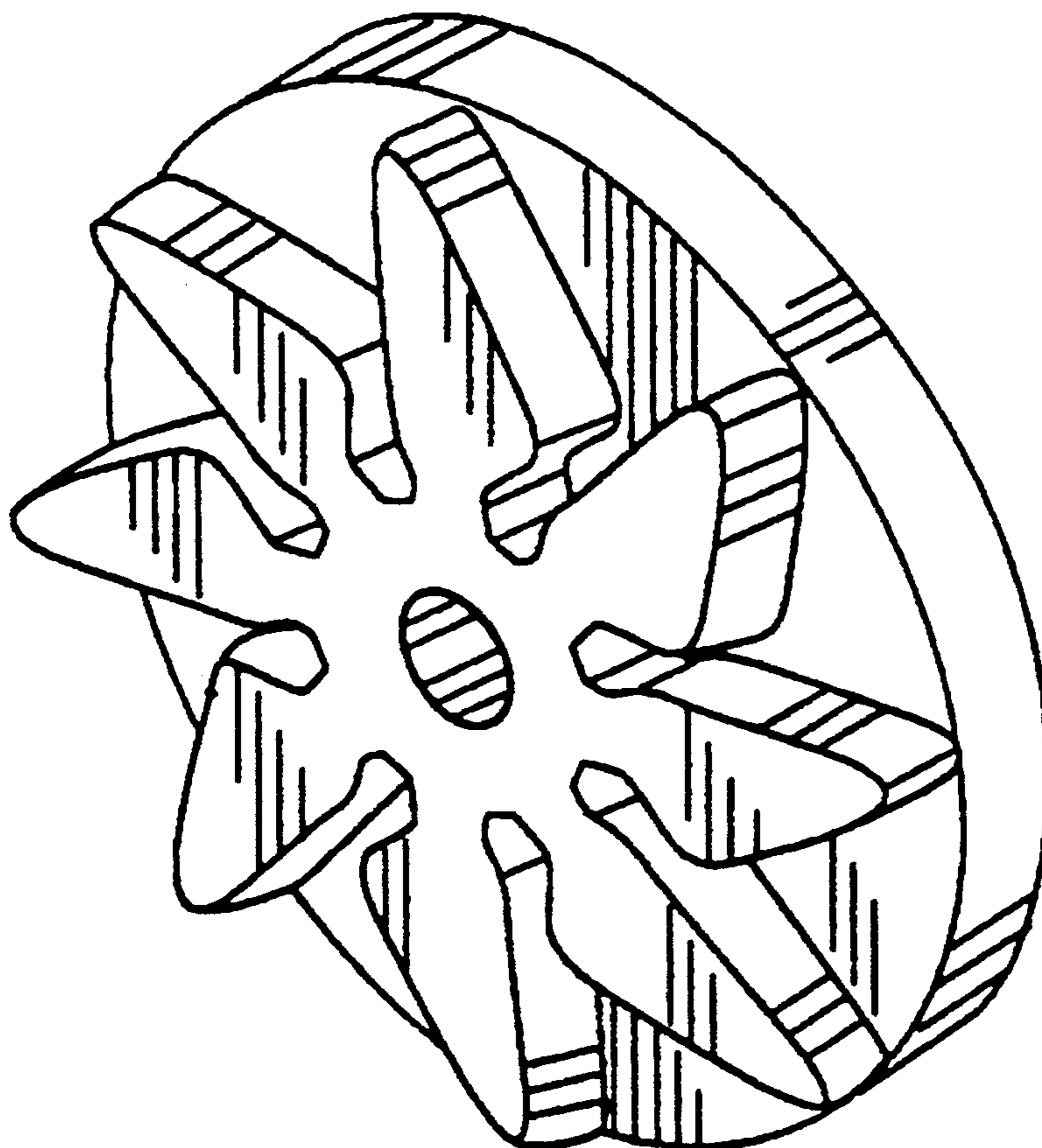
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[57] **CLAIM**

The ornamental design for a pawl and ratchet for aligning continuous feed paper in a printer and embosser, as shown.

DESCRIPTION

FIG. 1 is a perspective view; FIG. 2 is a top plan view; FIG. 3 is a side elevational view; and, FIG. 4 is a back view.



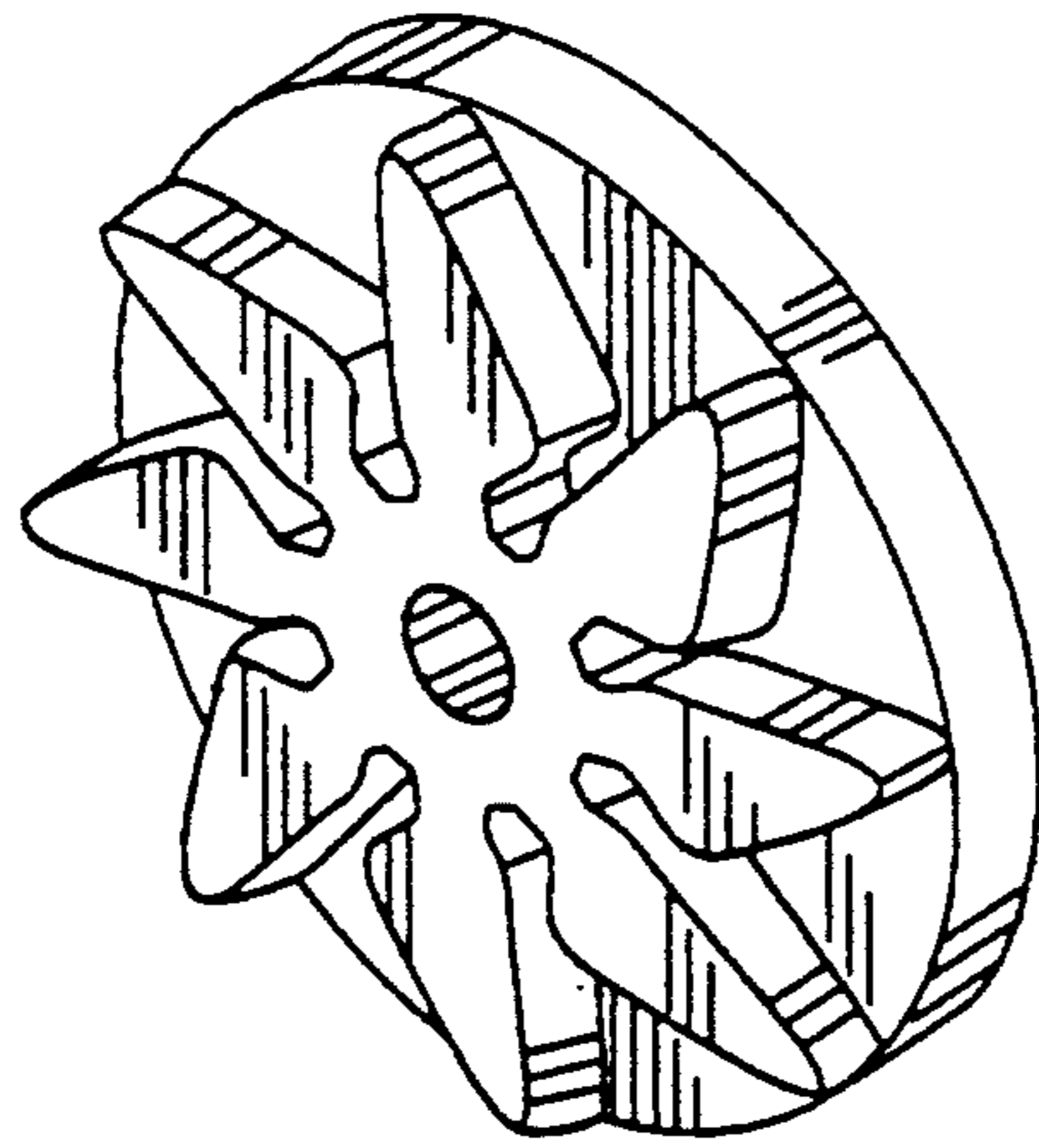


FIG 1

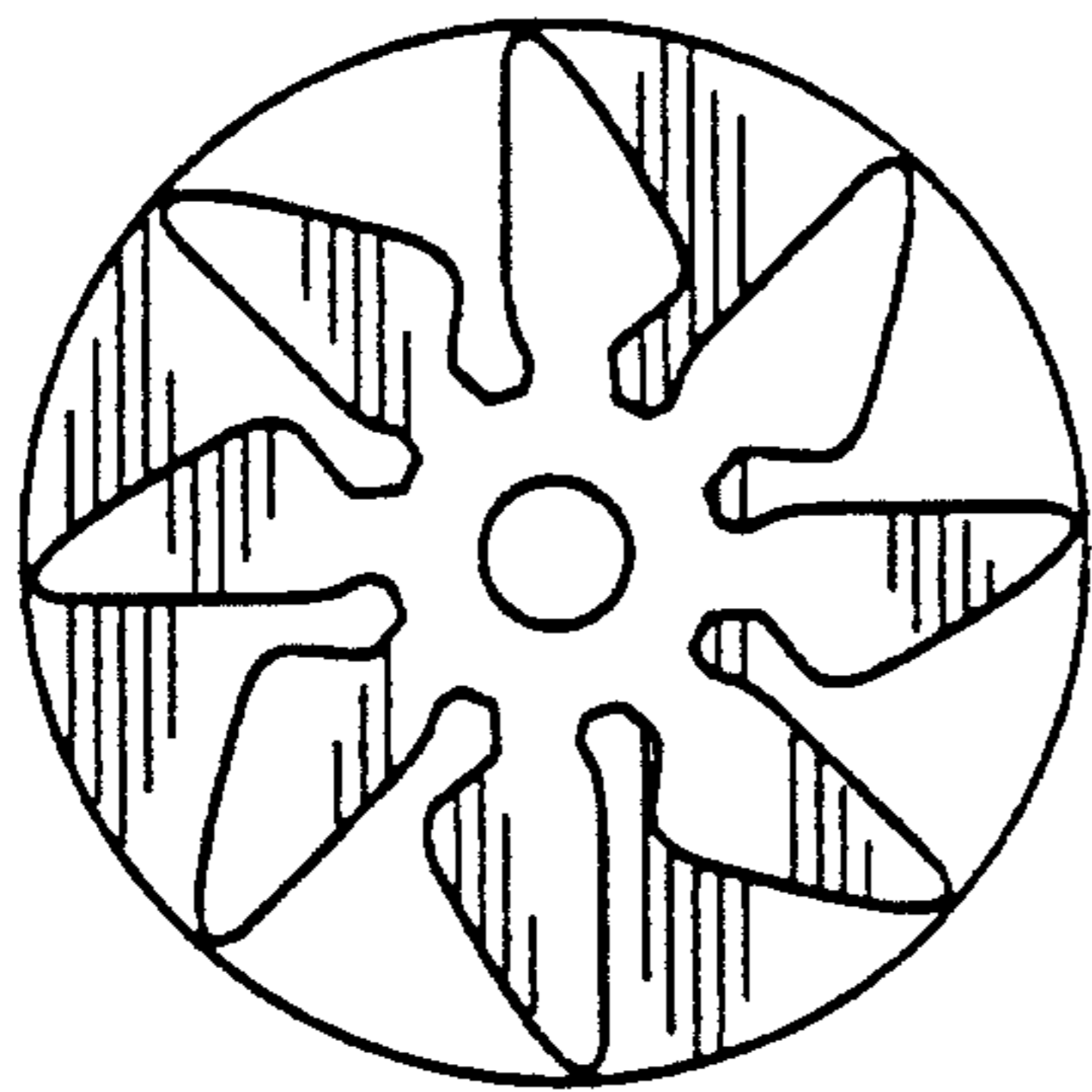


FIG 2



FIG 3

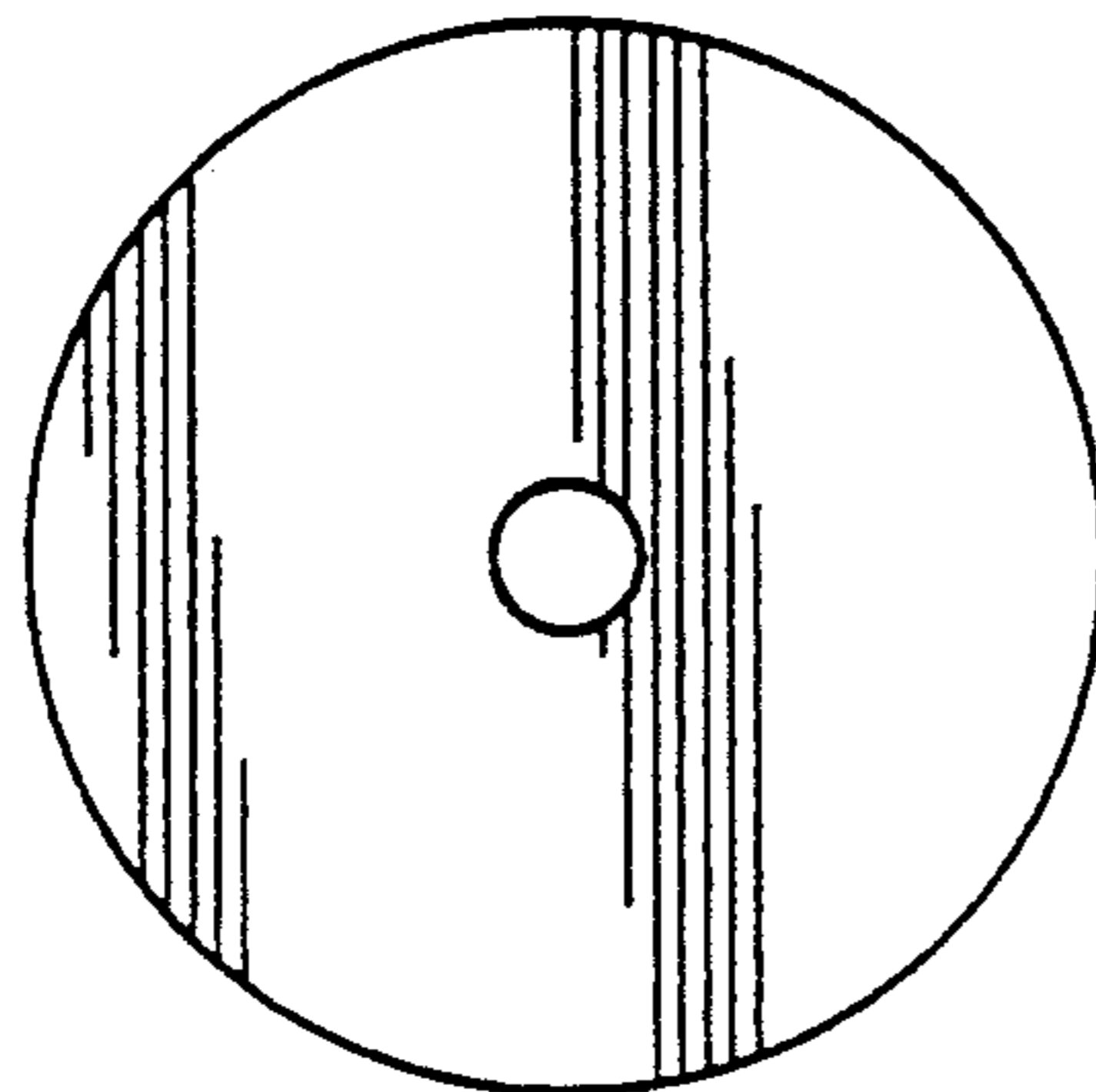


FIG 4