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United States Patent [19]

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Villeneuve

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[54] **ROTARY COPPER PIPE CLEANER**

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

[21] Appl. No.: **697,468**

[22] Filed: **May 9, 1991**

[52] U.S. Cl. **D4/102**

[58] Field of Search **D4/100, 102, 119-121, D4/128, 130; 15/23, 25, 104.03-104.05, 104.16, 104.20, 159.1, 160; D32/14.1, 17**

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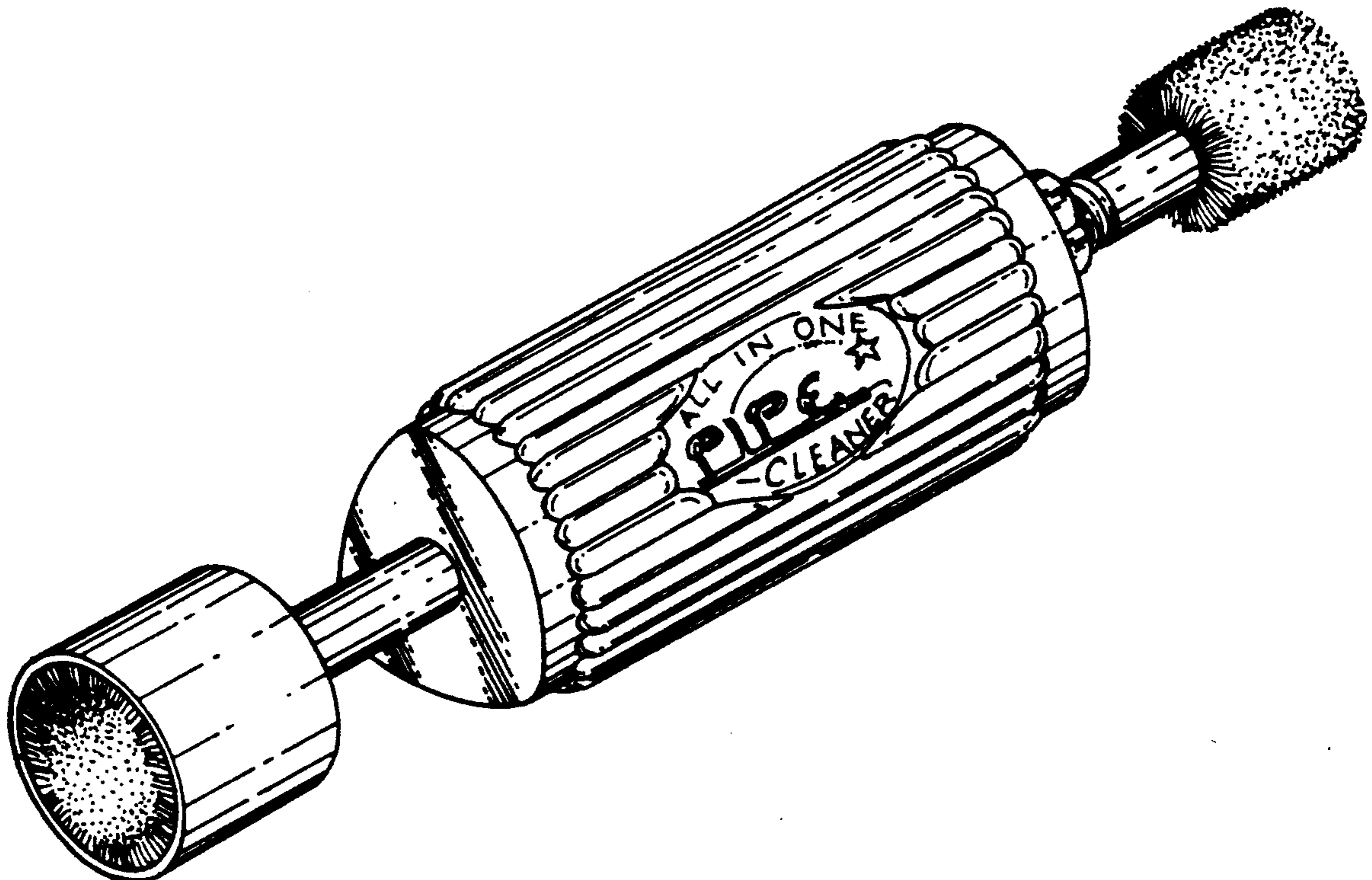
Primary Examiner—Wallace R. Burke
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[57] **CLAIM**

The ornamental design for a rotary copper pipe cleaner, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a rotary copper pipe cleaner embodying the design of the present invention; FIG. 2 is a front elevational view thereof; FIG. 3 is a rear elevational view thereof; FIG. 4 is an end elevational view thereof; FIG. 5 is the opposite end elevational view thereof; FIG. 6 is a top plan view thereof; and, FIG. 7 is a bottom plan view thereof. The bristles are partially shown for ease of illustration.



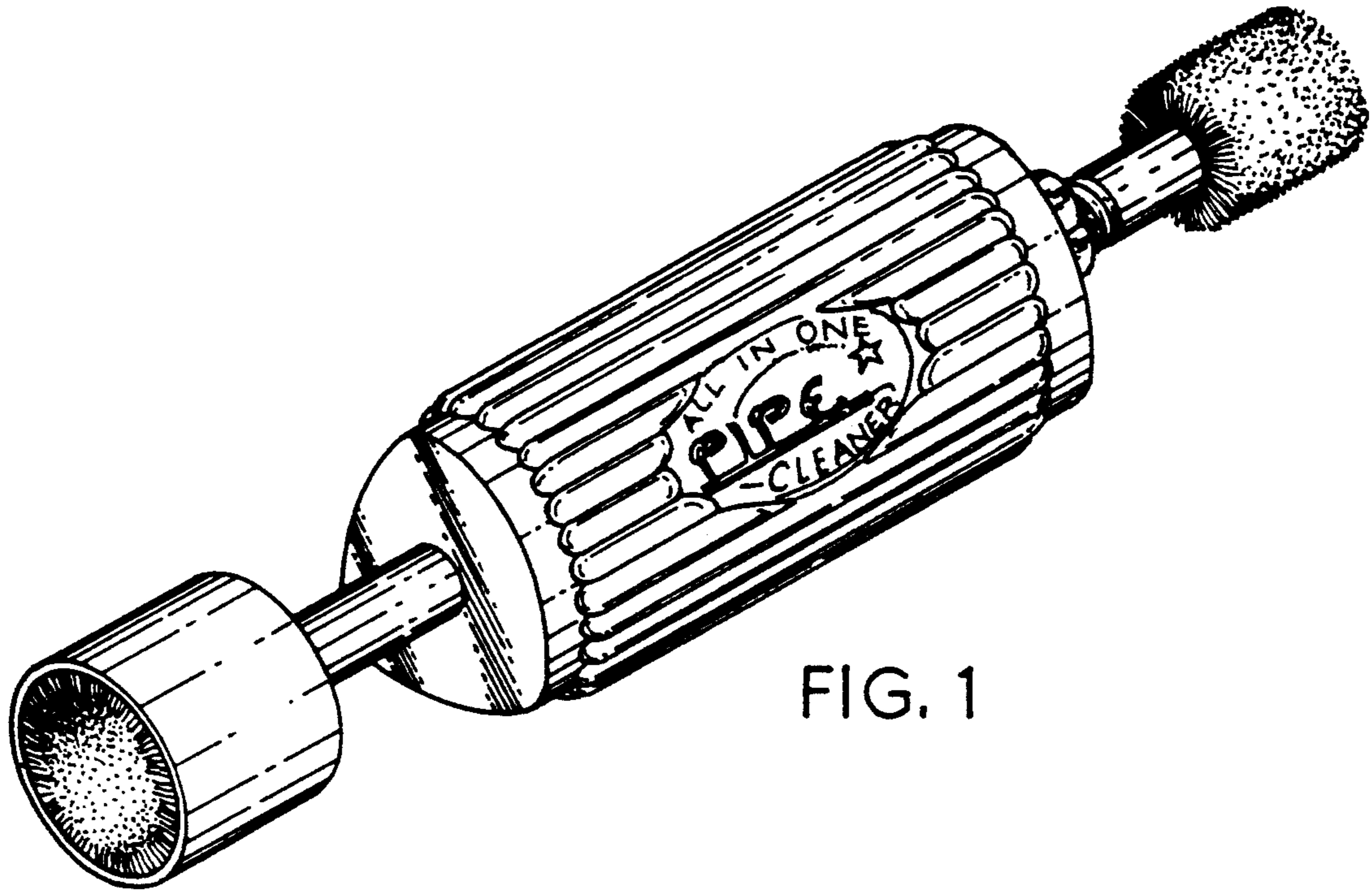


FIG. 1

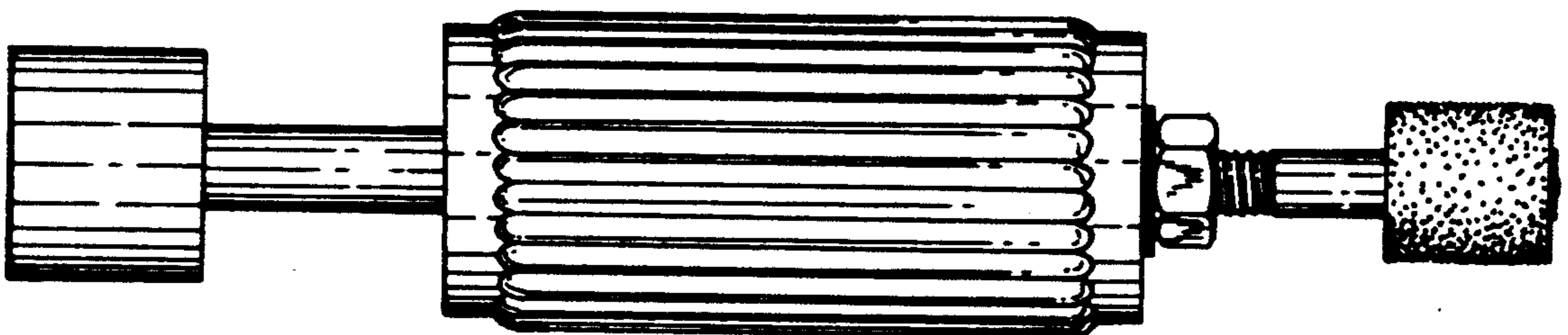


FIG. 7

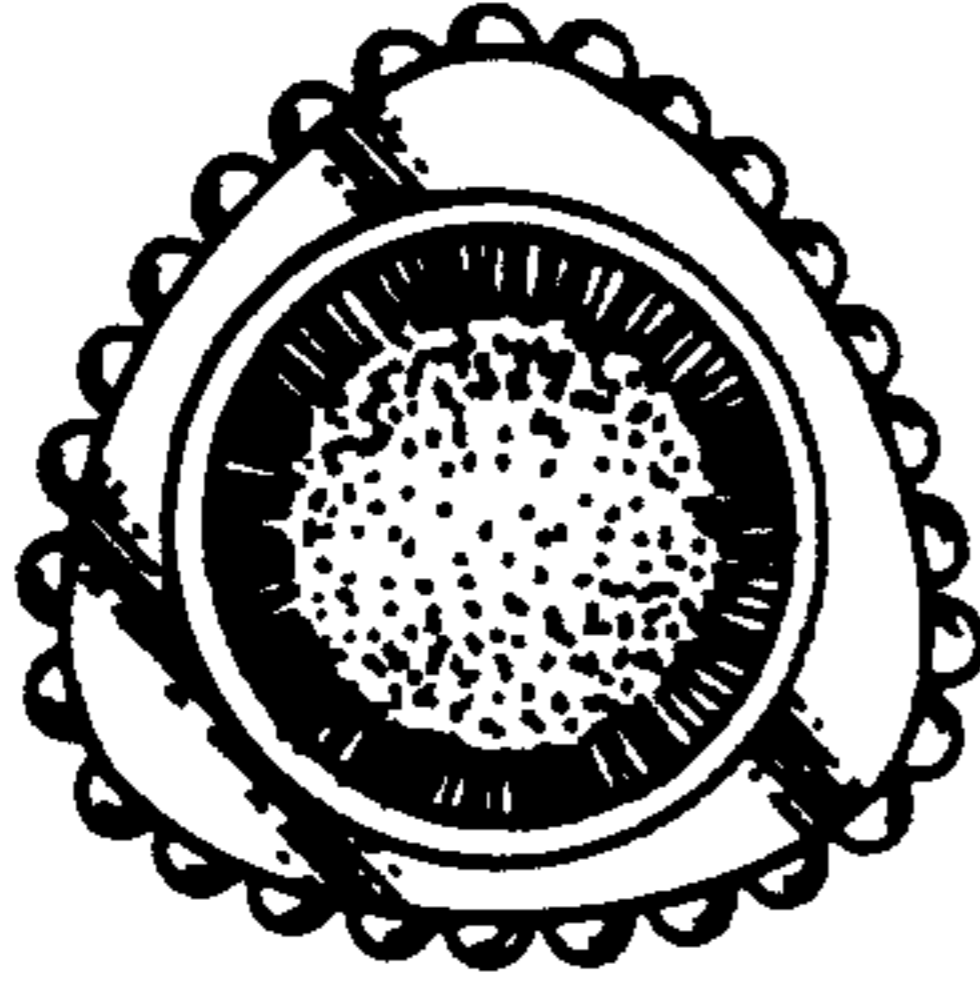


FIG. 4

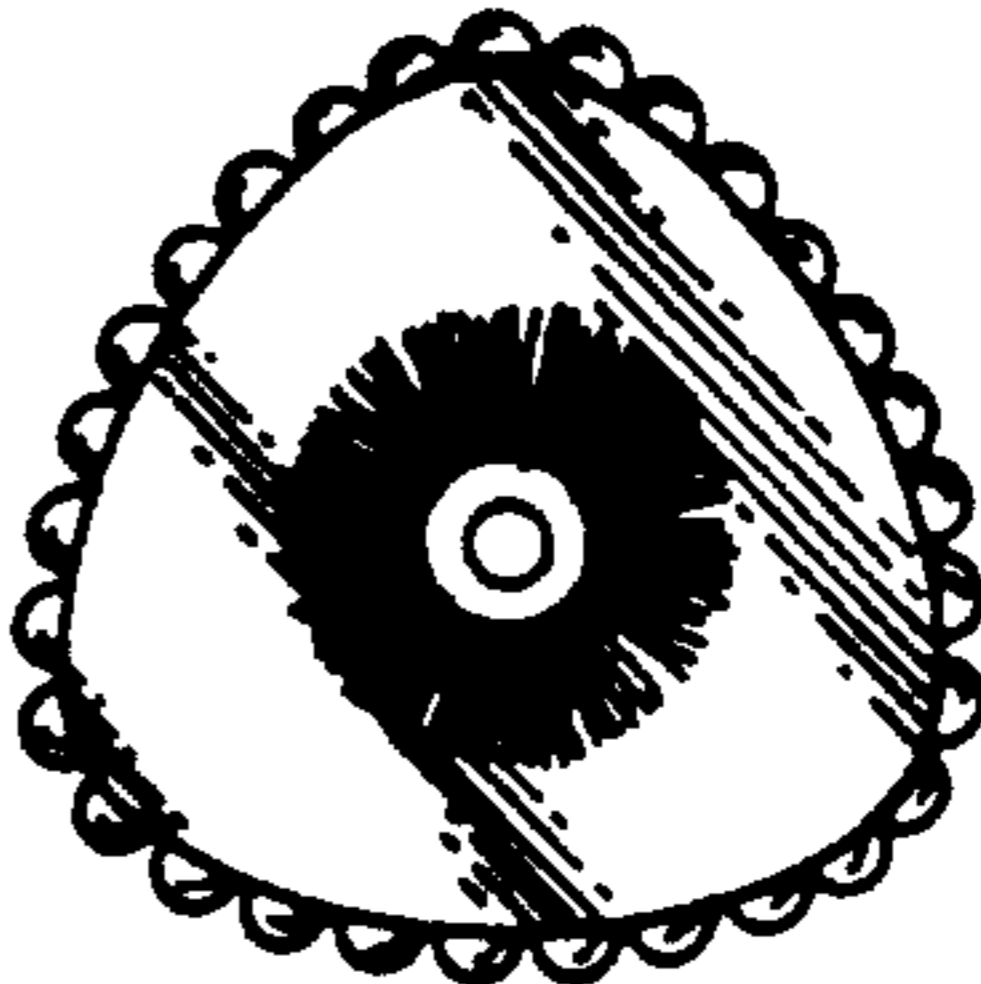


FIG. 5



FIG. 2

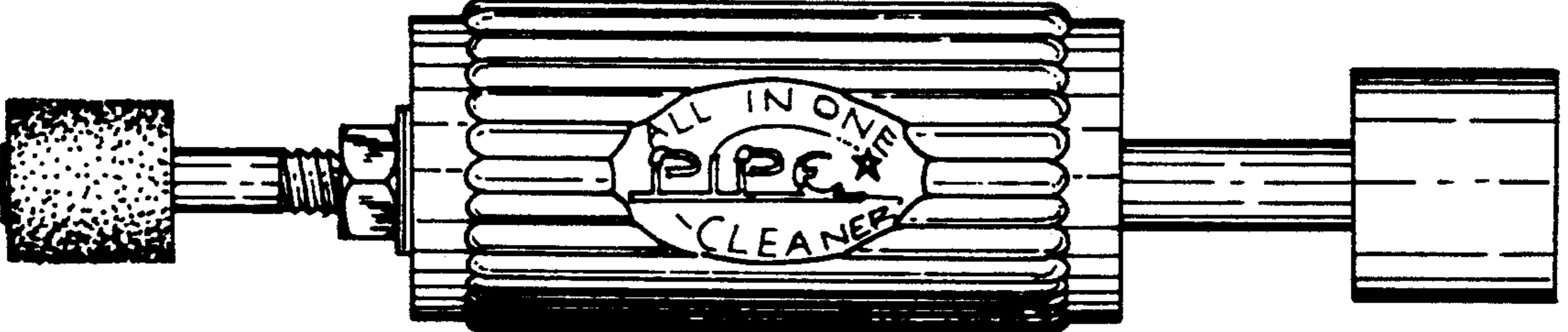


FIG. 3

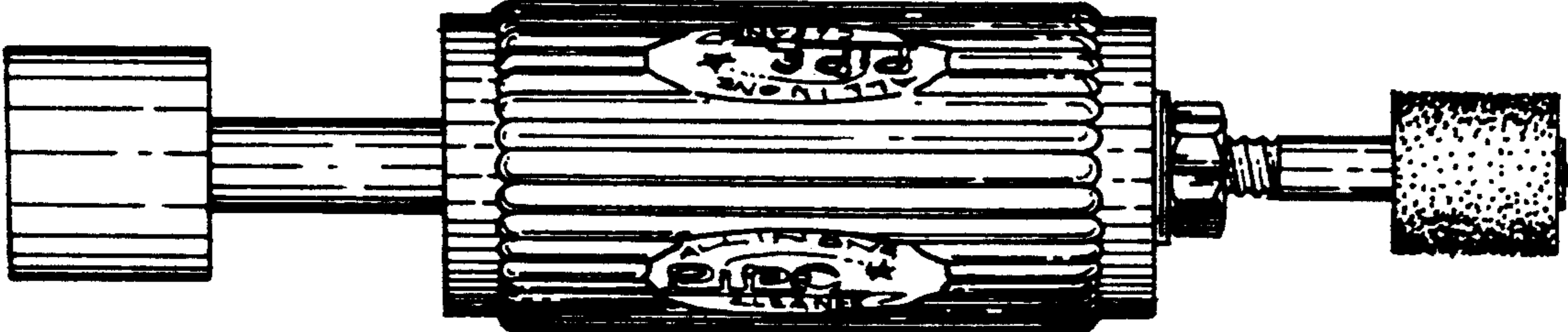


FIG. 6