



US00D393116S

United States Patent [19]

Kajimoto et al.

[11] Patent Number: Des. 393,116

[45] Date of Patent: **Mar. 31, 1998

[54] WINDOW CLEANER WITH A DETACHABLE WIPING PORTION

[75] Inventors: Shinpei Kajimoto, Hyogo-ken; Toshiaki Nakajo, Osaka-fu, both of Japan

[73] Assignee: Matsushita Electric Works, Ltd., Kadoma, Japan

[**] Term: 14 Years

[21] Appl. No.: 68,786

[22] Filed: Mar. 6, 1997

[30] Foreign Application Priority Data

Sep. 6, 1996 [JP] Japan 8-26786

[51] LOC (6) Cl. 08-05

[52] U.S. Cl. D32/40; D4/137

[58] Field of Search D32/40, 35, 43; D4/137; 15/244.1, 244.4, 218.1, 220.4, 229.11, 209.1, 210.1; 401/137, 138, 139, 140, 203, 133

[56] References Cited

U.S. PATENT DOCUMENTS

- D. 101,784 11/1936 Kurtz D32/45
- 159,274 2/1875 Lyman et al. 401/139
- D. 250,368 11/1978 Morefield D32/49 X
- D. 256,190 8/1980 Janssen D4/137
- D. 260,845 9/1981 Friebel D32/40
- D. 292,650 11/1987 Schmitz D32/40 X
- D. 304,513 11/1989 Loffredo D32/40

- D. 374,990 10/1996 Torkelson D4/116 X
- 4,183,684 1/1980 Avery, Jr. 401/133

Primary Examiner—Susan J. Lucas
Assistant Examiner—Cynthia E. Ramirez
Attorney, Agent, or Firm—Burns, Doane, Swecker & Mathis, L.L.P.

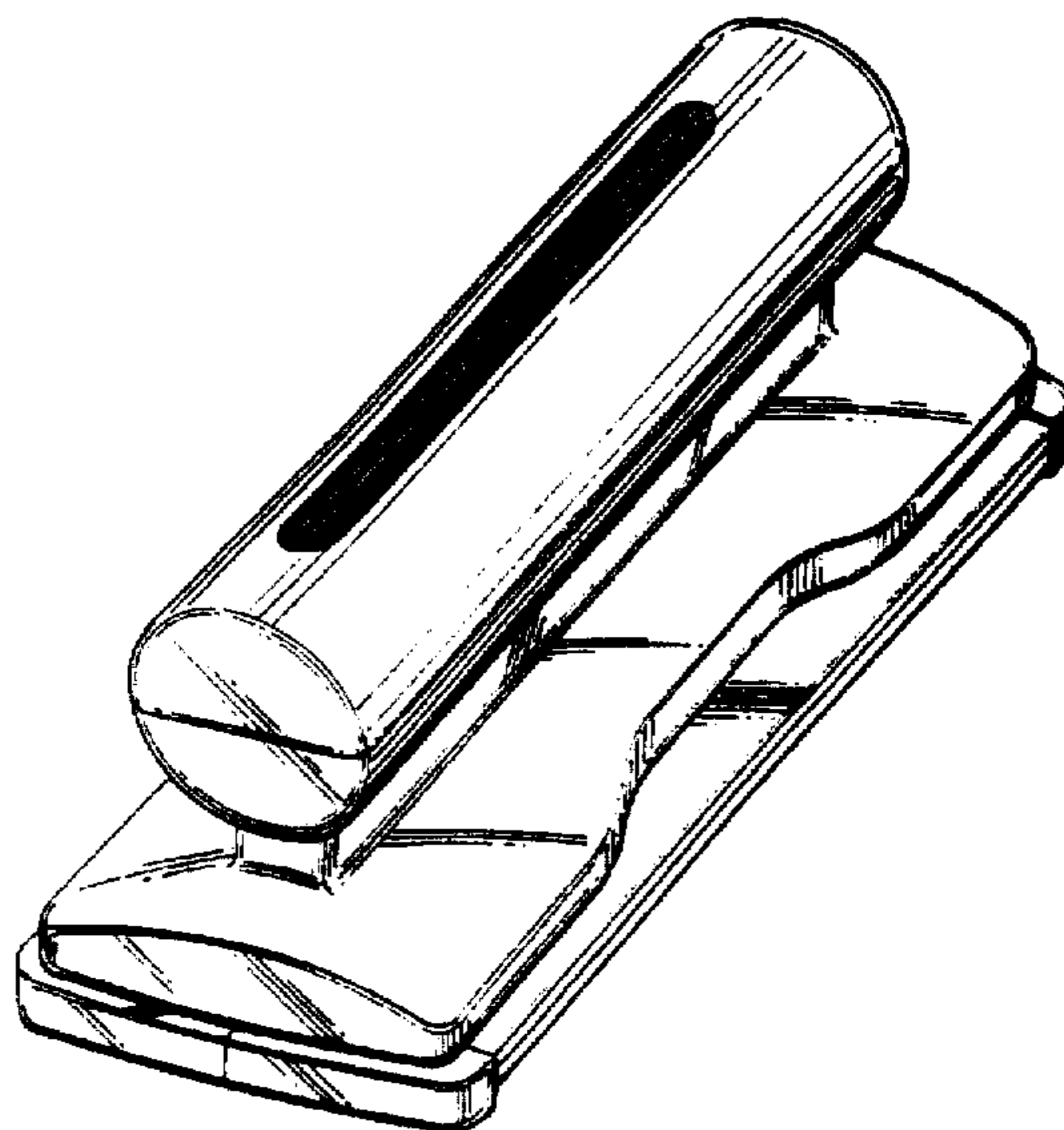
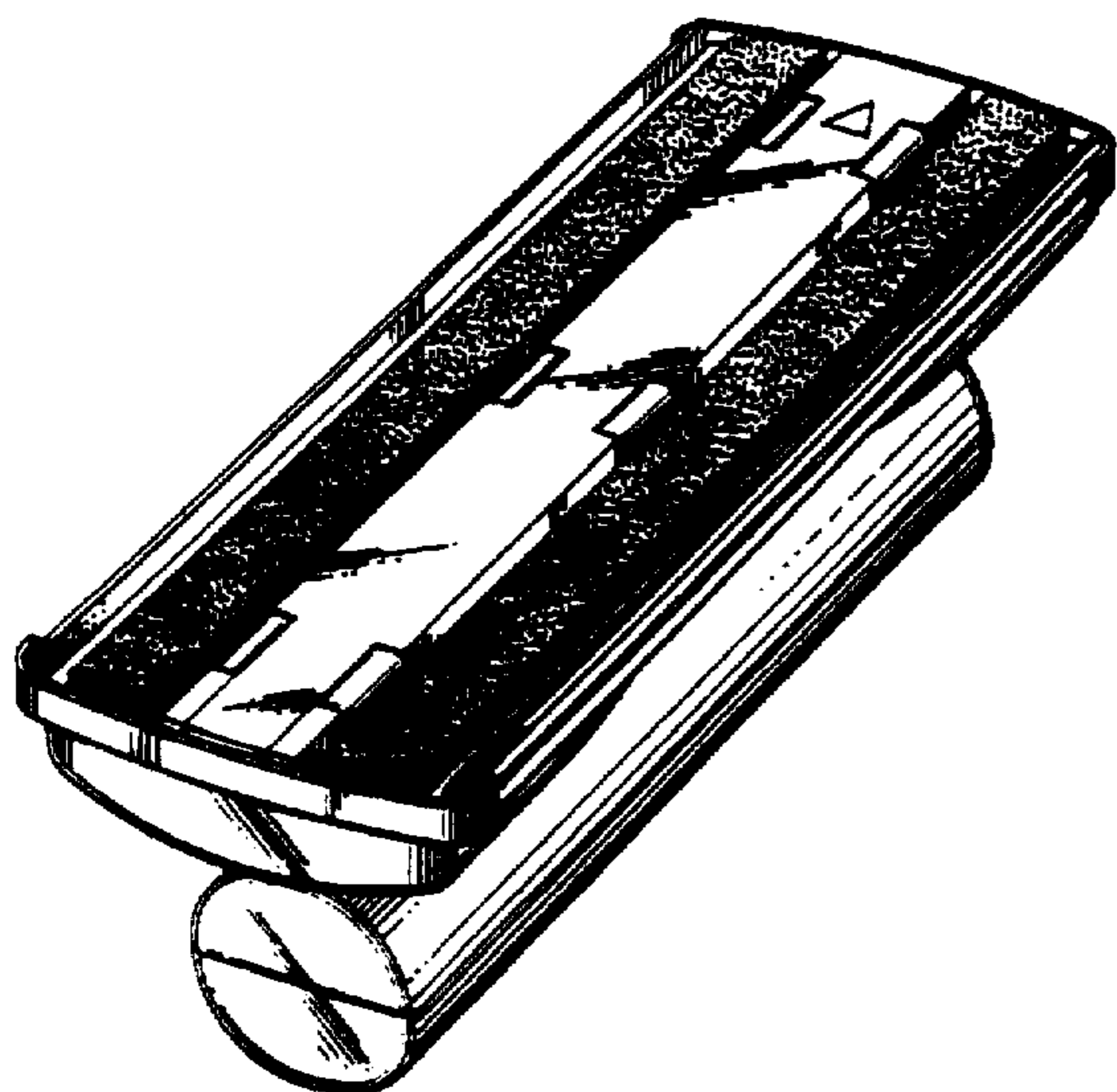
[57] CLAIM

The ornamental design for a window cleaner with a detachable wiping portion, as shown and described.

DESCRIPTION

FIG. 1 is a top plan view of our new design for a window cleaner with a detachable wiping portion, said detachable wiping portion being shown in the assembled position; FIG. 2 is an end elevational view of one end thereof with the detachable wiping portion in the assembled position; the opposite end is a mirror image of FIG. 2; FIG. 3 is a side elevational view of one side thereof with the detachable wiping portion in the assembled position; the opposite side is a mirror image of FIG. 3; FIG. 4 is a bottom plan view thereof with the detachable wiping portion in the assembled position; FIG. 5 is a bottom perspective view thereof with the detachable wiping portion in the assembled position and showing one end and one side; the perspective view from the opposite corner is a mirror image thereof; and, FIG. 6 is a top perspective view thereof with the detachable wiping portion in the assembled position and showing one end and one side; the perspective view from the opposite corner is a mirror image thereof.

1 Claim, 4 Drawing Sheets



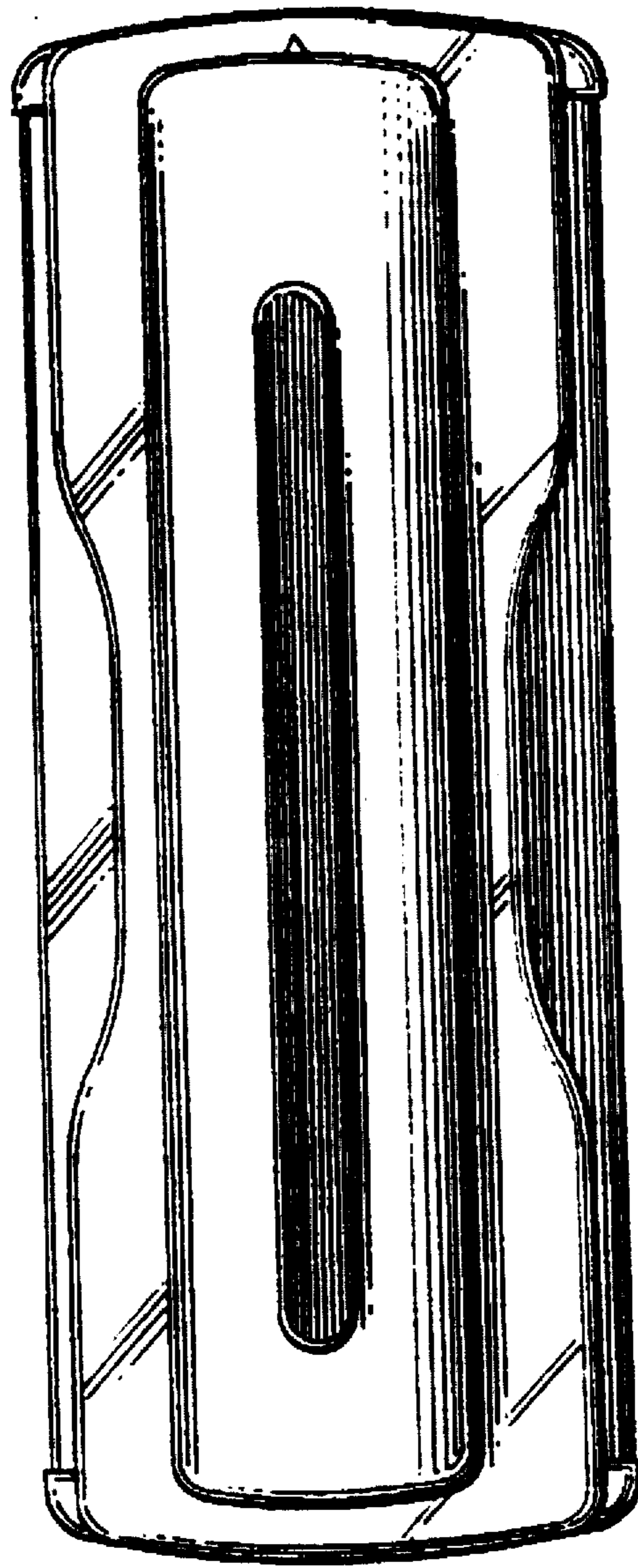


FIG. 1

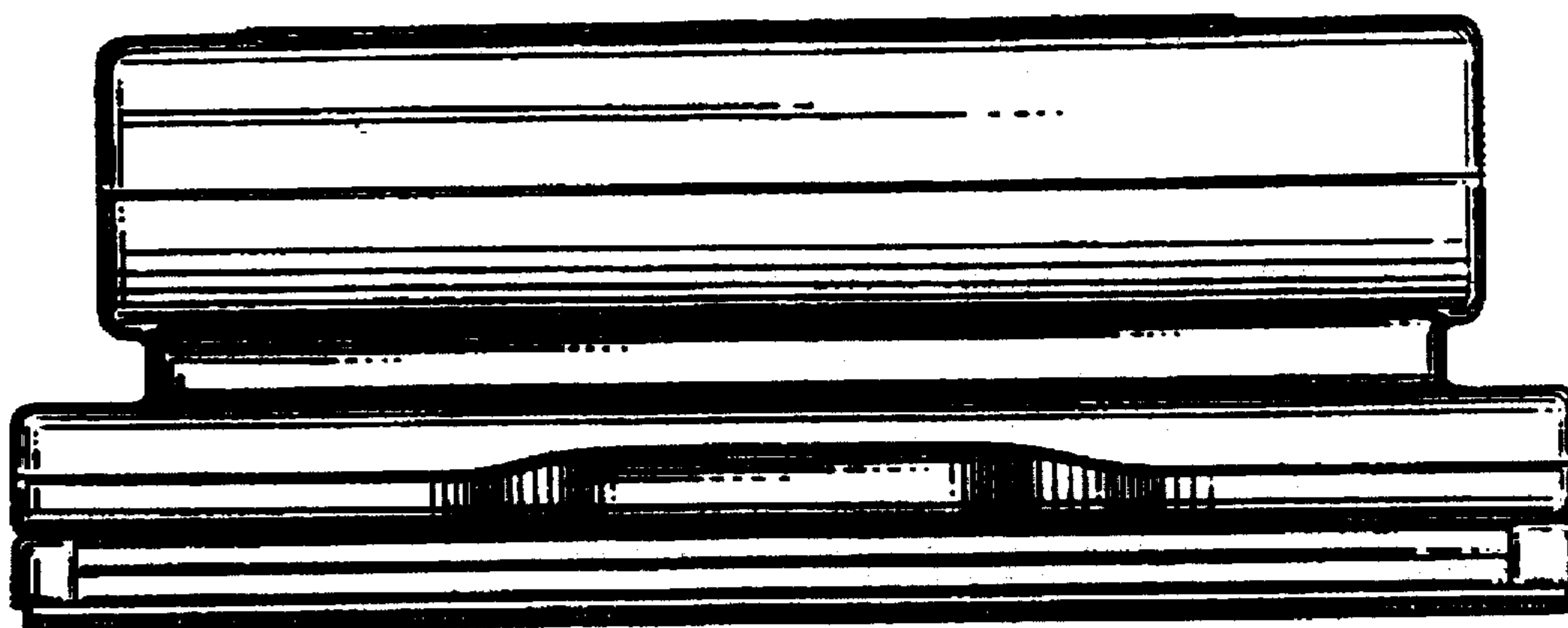


FIG. 3

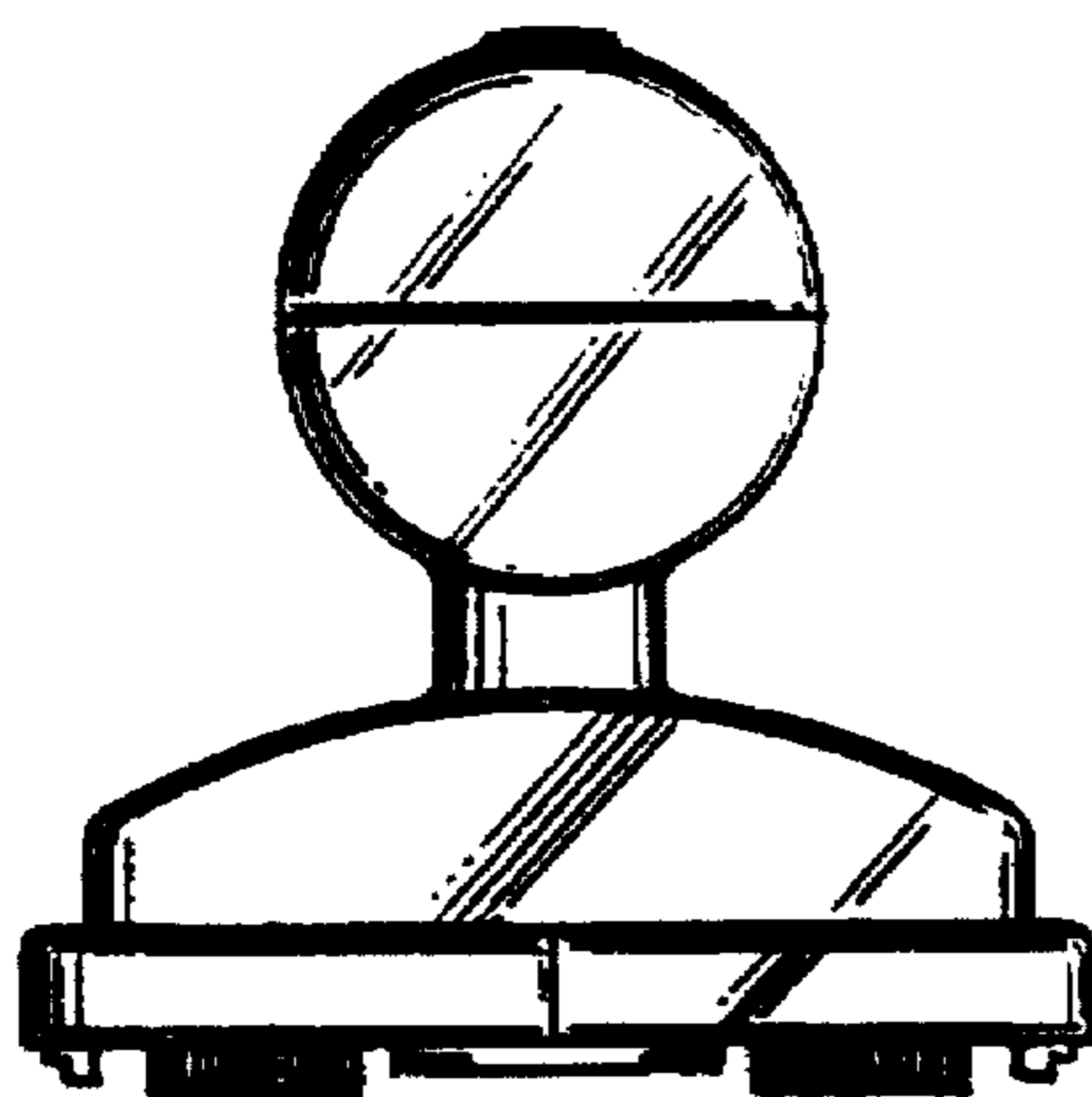


FIG. 2

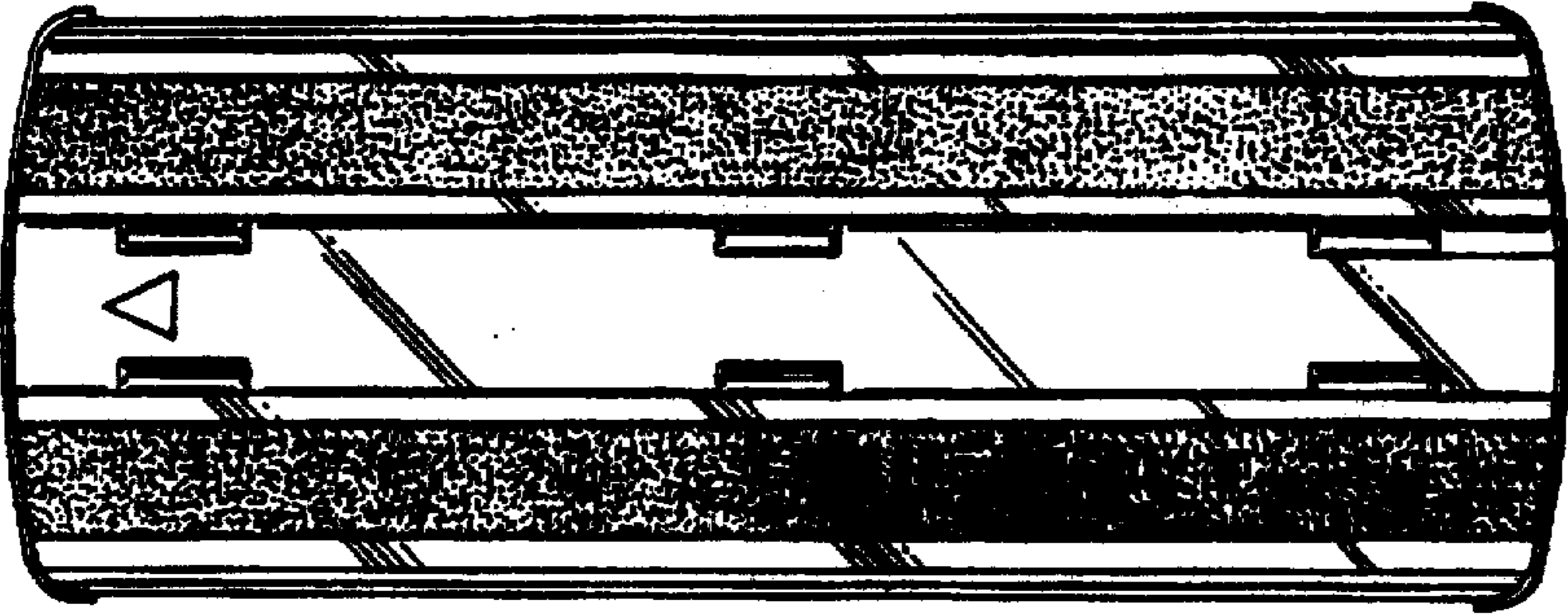


FIG. 4

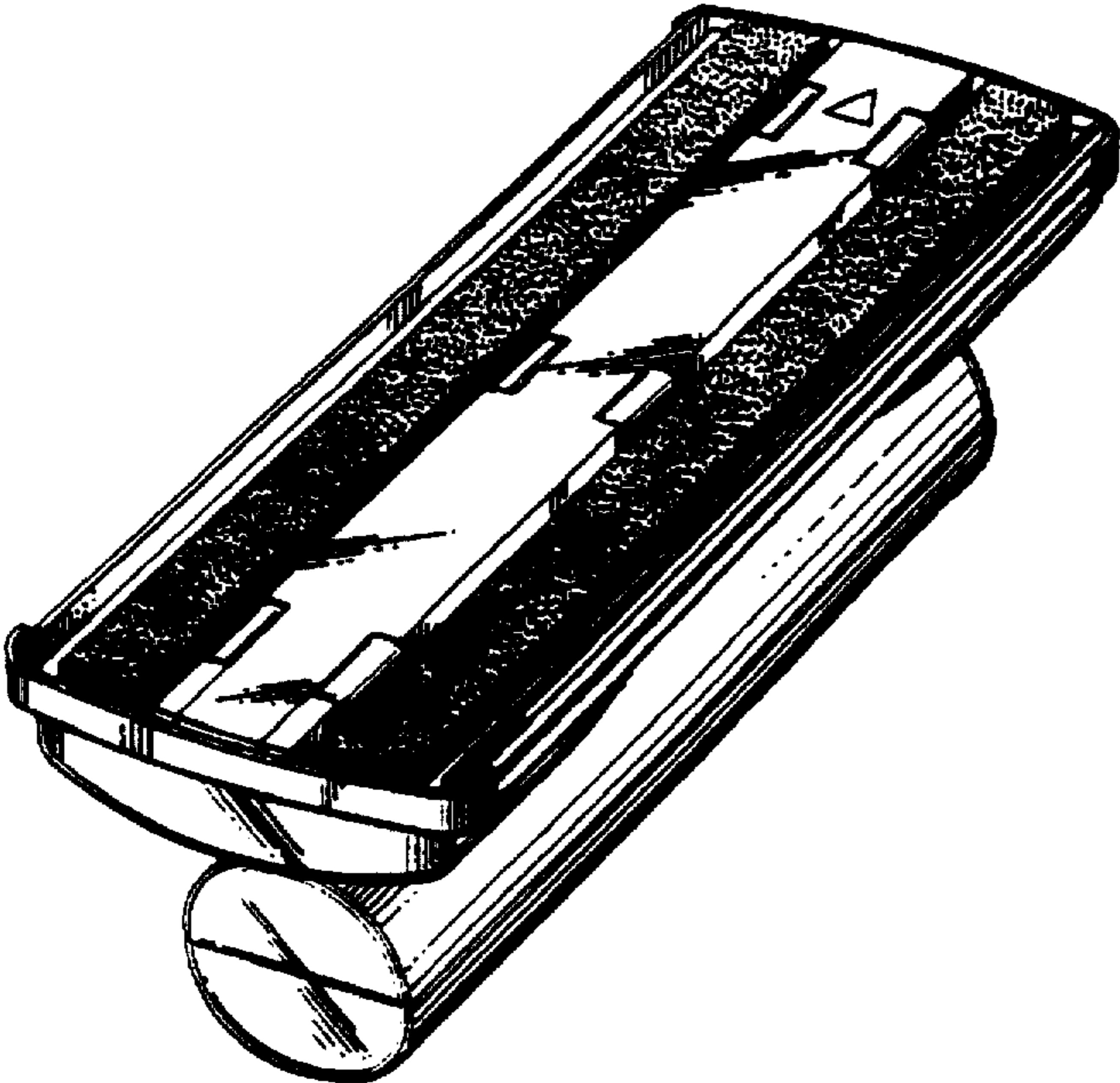


FIG. 5

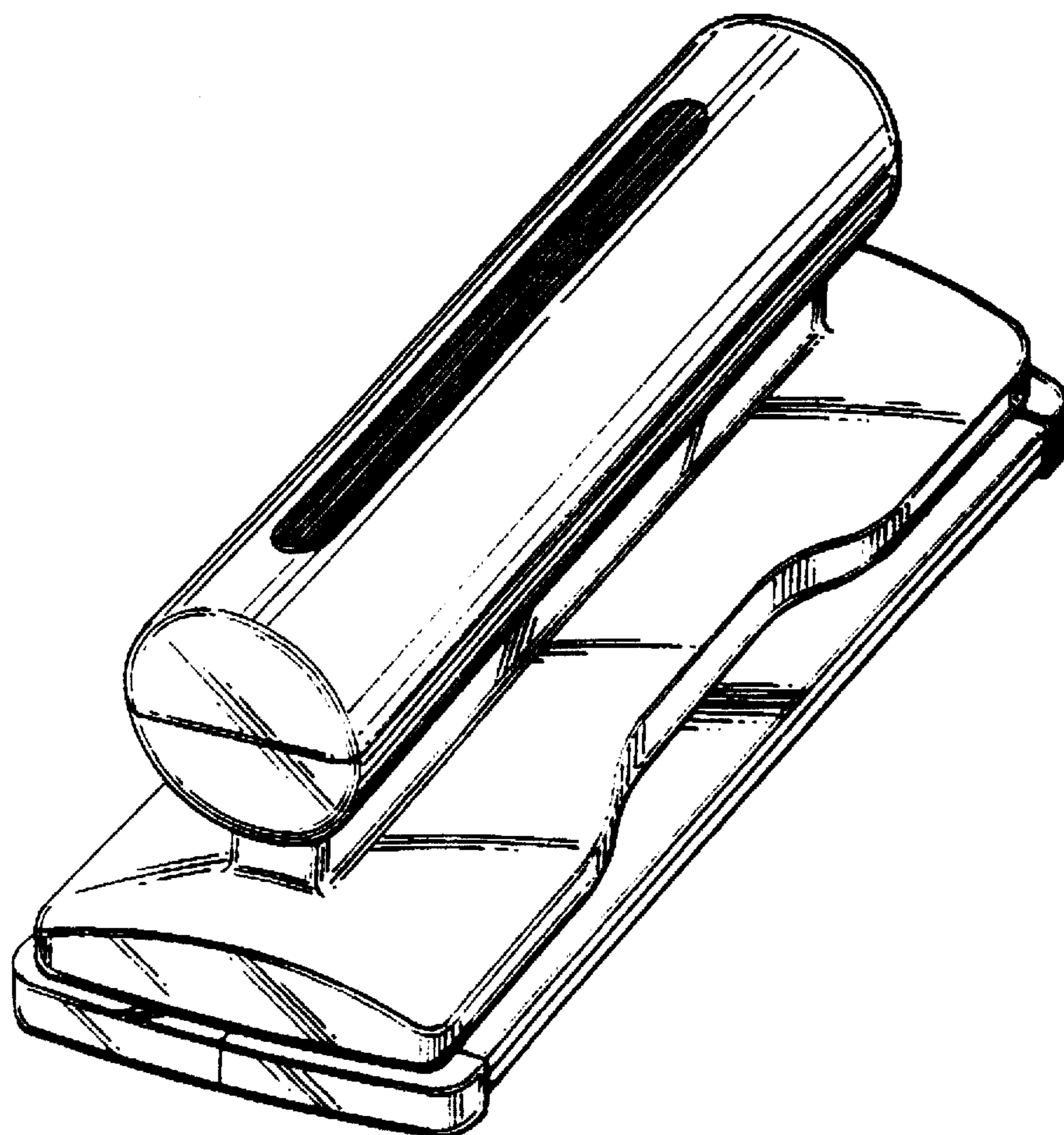


FIG. 6