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# United States Patent [19]

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Matsunaga et al.

[45] Date of Patent: **\*\* Jul. 20, 1993**

[54] **PORTABLE ELECTRIC GRINDER**

D. 328,841 8/1992 Fushiya et al. .... D8/62

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[73] Assignee: Hitachi Koki Company, Limited,  
Tokyo, Japan

[\*\*] Term: 14 Years

[21] Appl. No.: 745,086

[22] Filed: Aug. 8, 1991

[30] **Foreign Application Priority Data**

Feb. 15, 1991 [JP] Japan ..... 3-3984

[52] U.S. Cl. .... D8/62; D8/69

[58] Field of Search ..... D8/62, 61, 69;  
51/170 T, 170 R, 170 TL, 170 EB, 170 MT

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

D. 295,824 5/1988 Hoshino et al. .... D8/62  
D. 305,399 1/1990 Fushiya et al. .... D8/62

**OTHER PUBLICATIONS**

Brochure of AEG (German Corporation); Feb. 1, 1979,  
cover page and p. 29.

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Becker

[57] **CLAIM**

The ornamental design for a portable electric grinder,  
as shown.

**DESCRIPTION**

FIG. 1 is a front perspective view of a portable electric  
grinder showing my new design;  
FIG. 2 is a left side elevational view thereof;  
FIG. 3 is a top plan view thereof;  
FIG. 4 is a front elevational view thereof;  
FIG. 5 is a rear elevational view thereof;  
FIG. 6 is a right side elevational view thereof; and,  
FIG. 7 is a bottom plan view thereof.

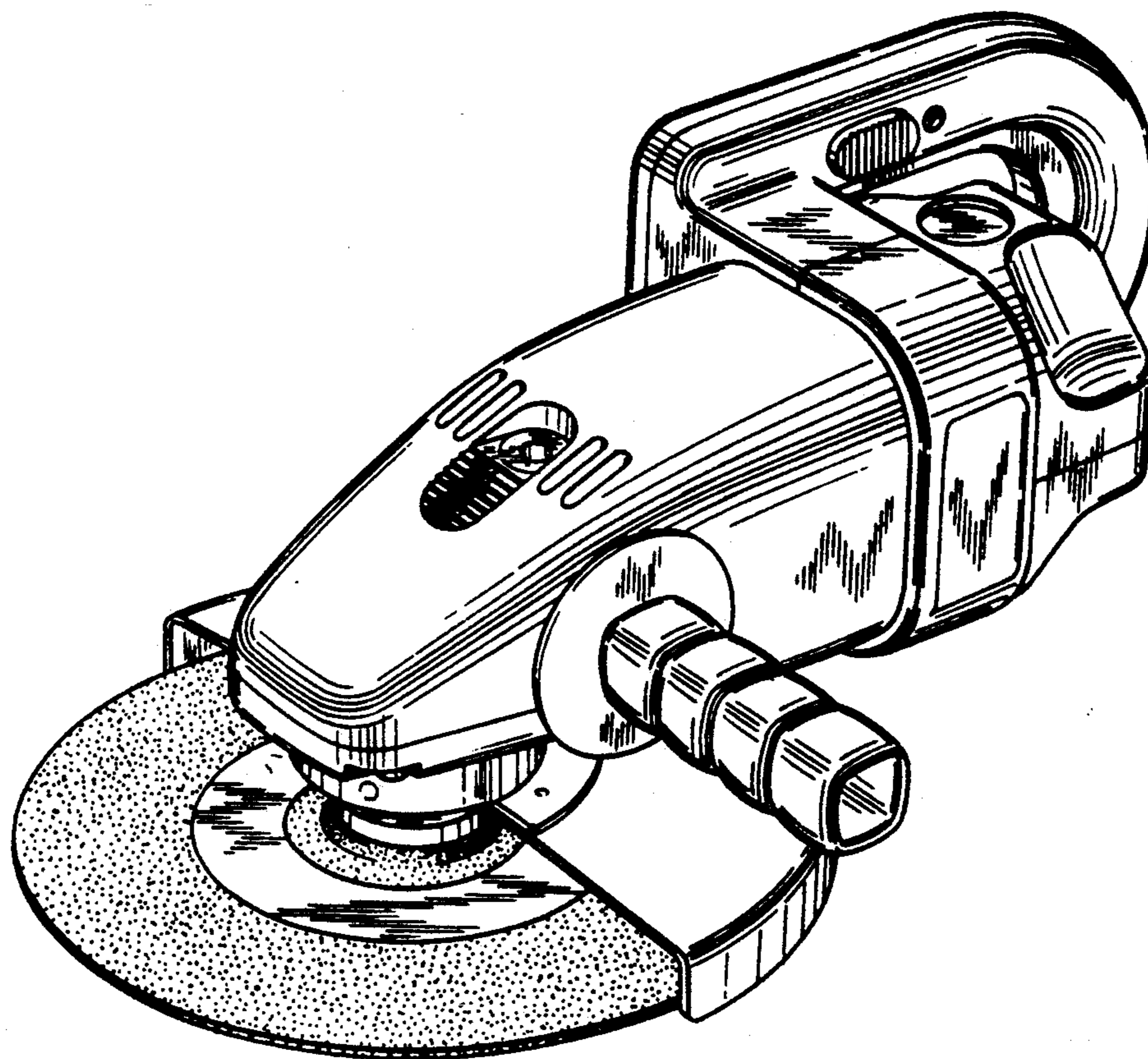


FIG. 1

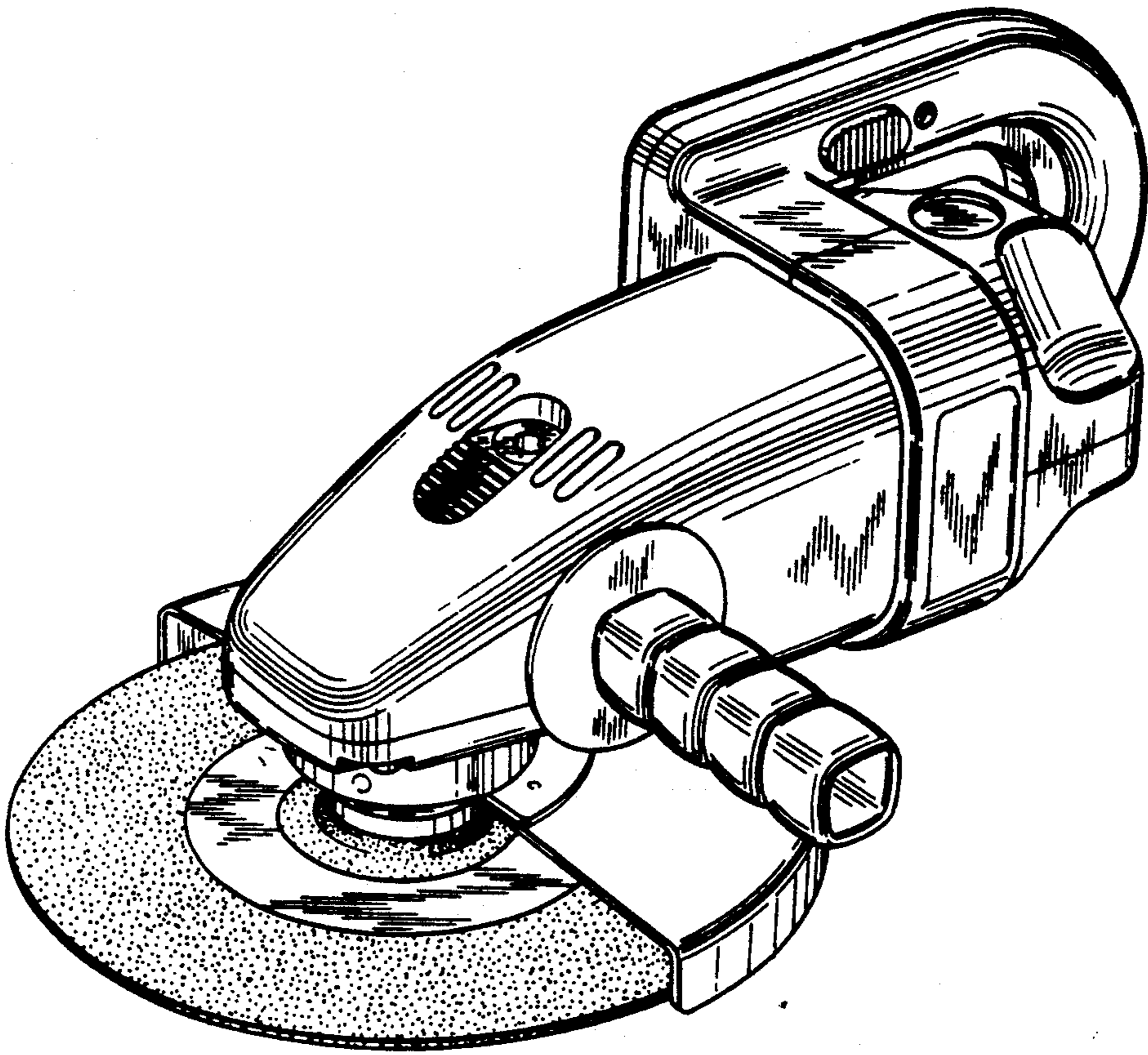


FIG. 2

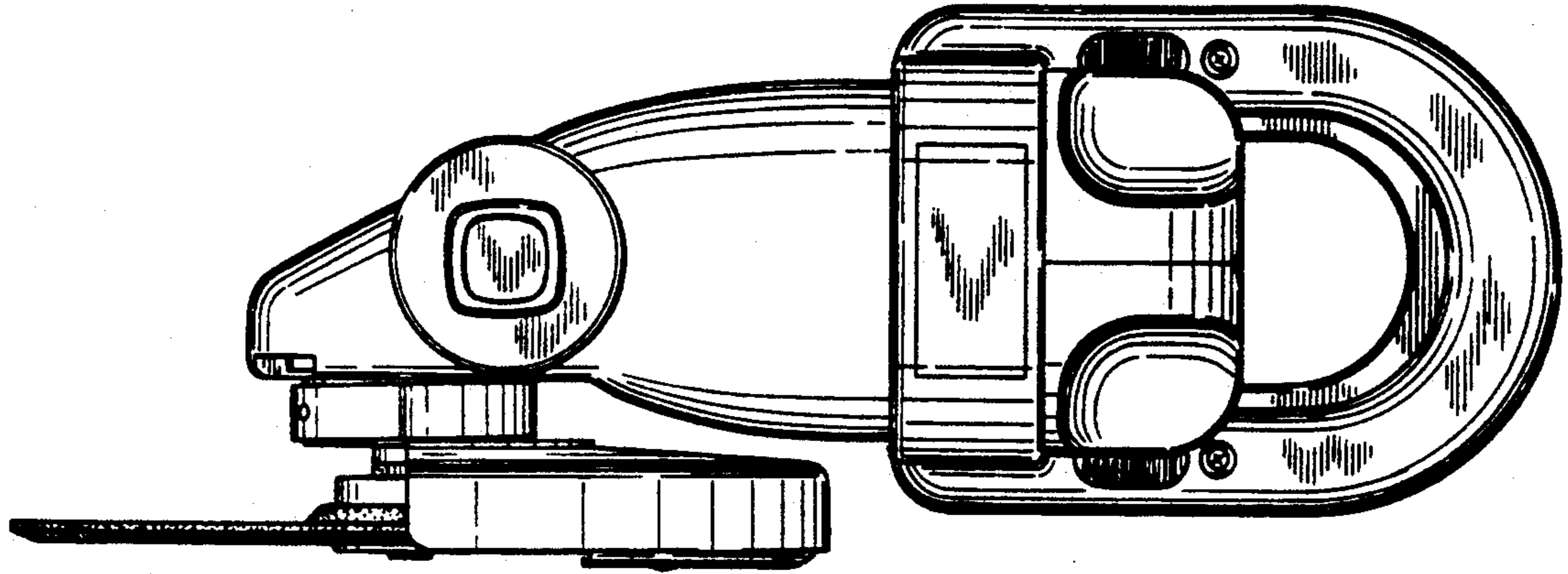


FIG. 3

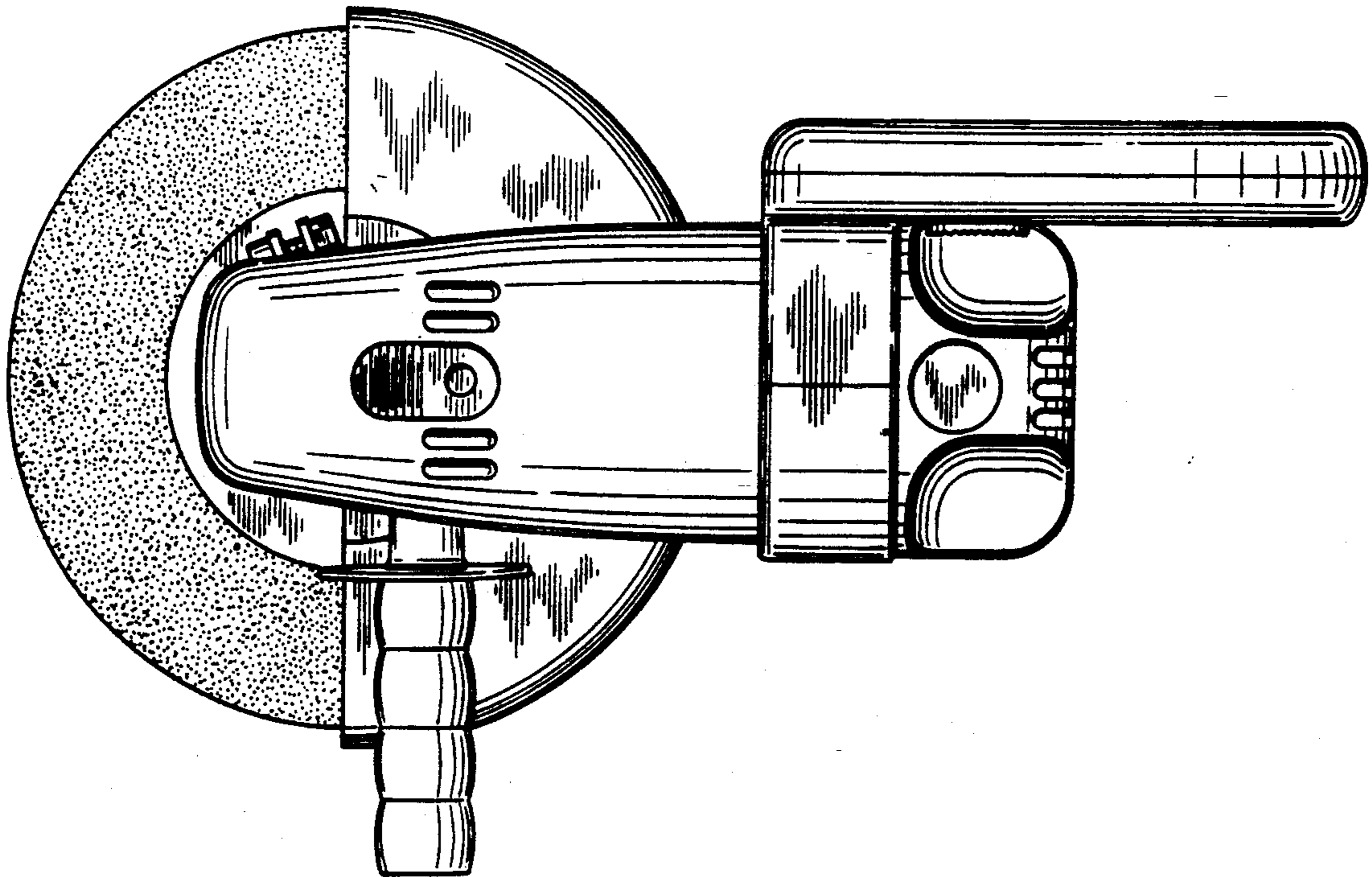


FIG. 4

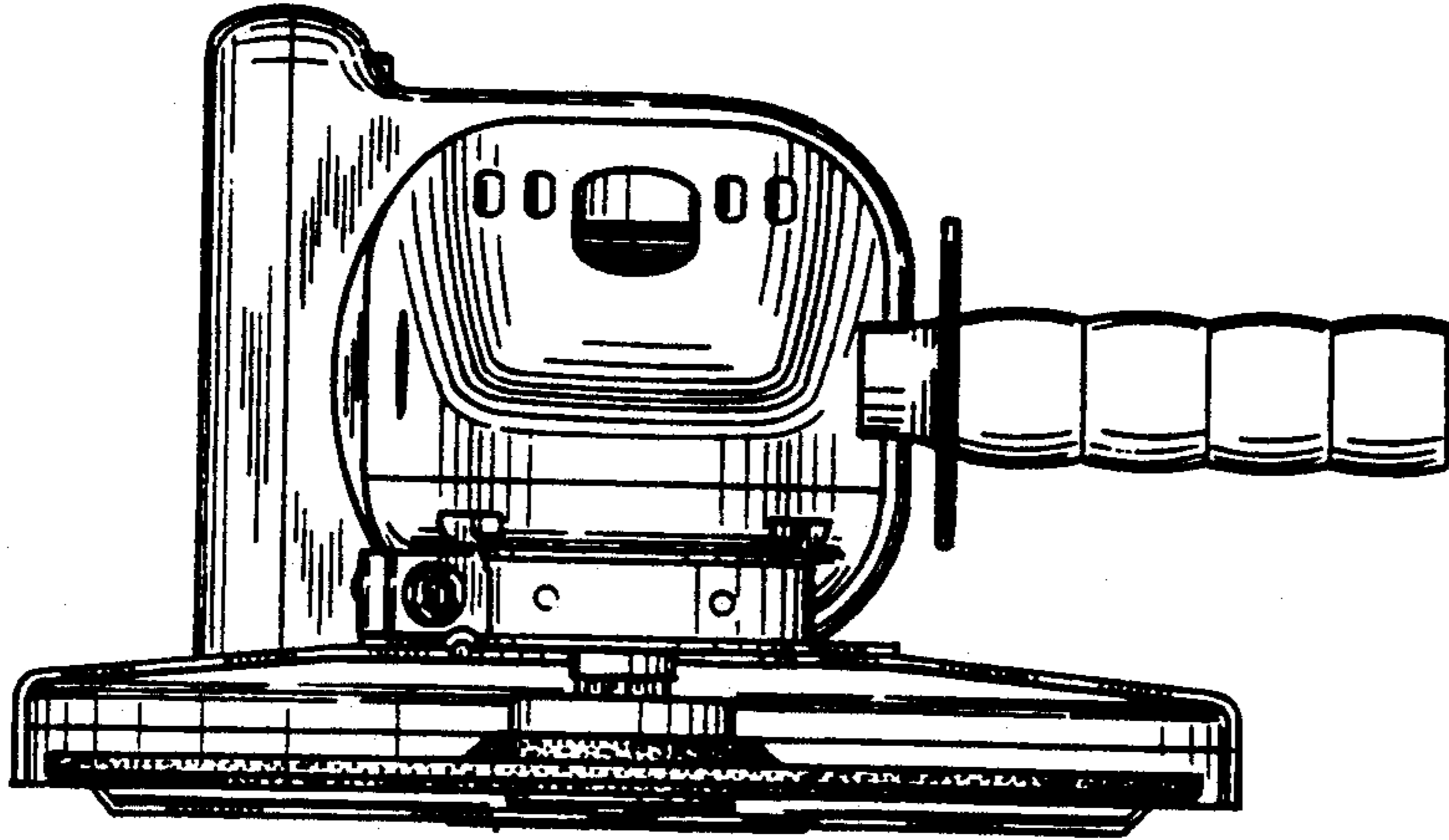


FIG. 5

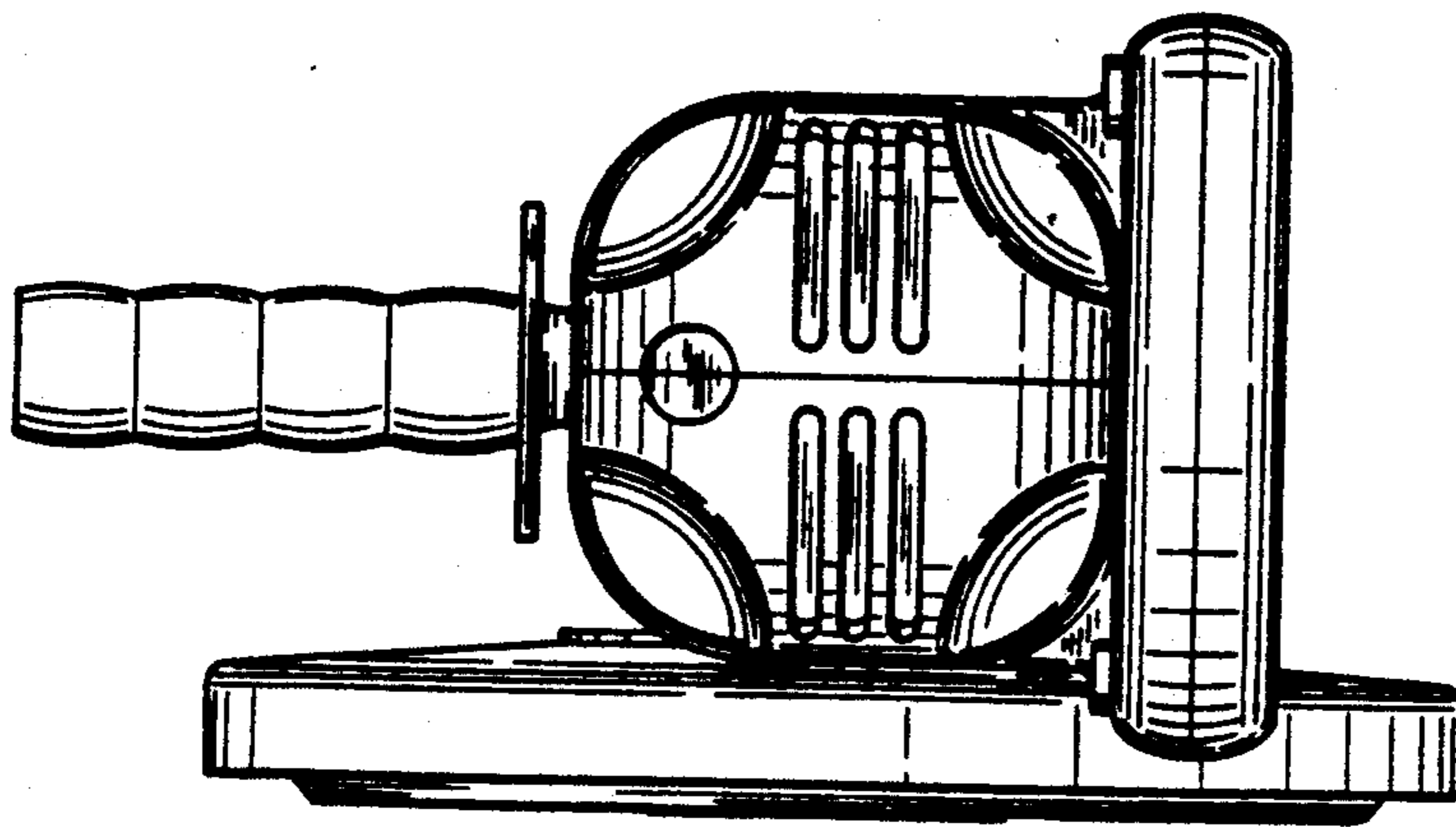


FIG. 6

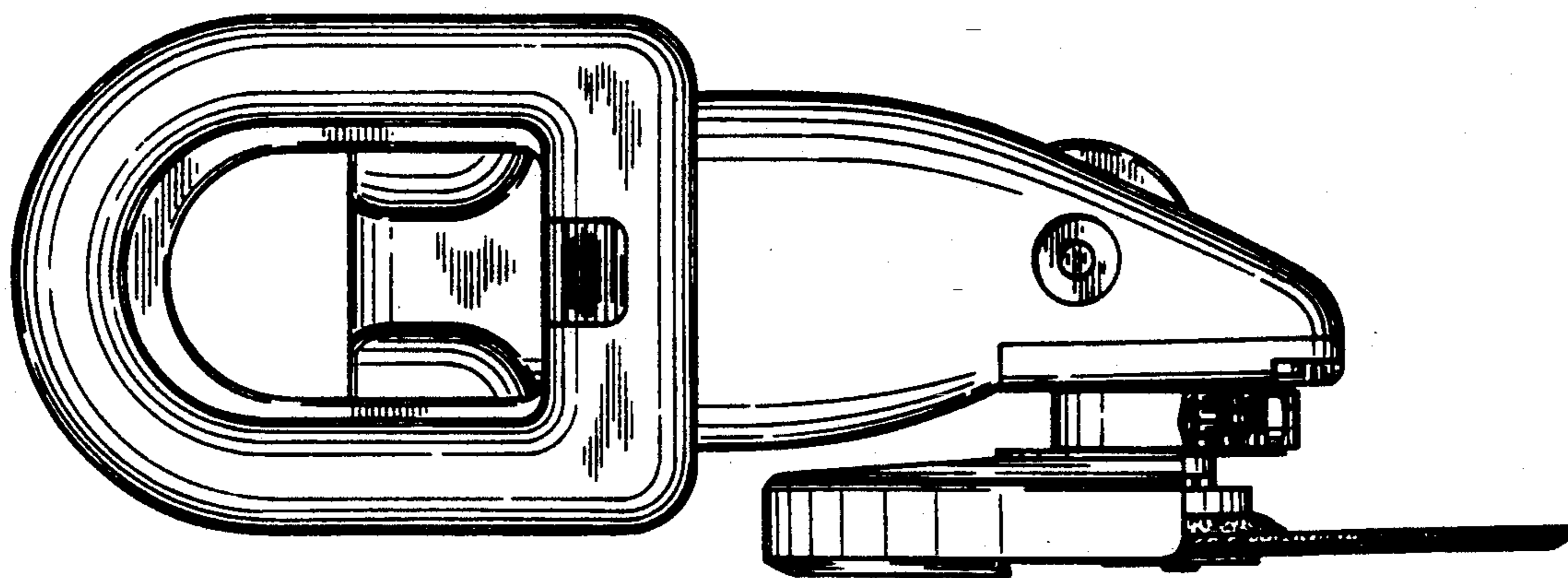


FIG. 7

