

# United States Patent [19]

Gotou et al.

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[54] **INDUSTRIAL ROBOT**

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[73] Assignee: Hitachi, Ltd., Tokyo, Japan

[\*\*] Term: 14 Years

[21] Appl. No.: 770,242

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[30] Foreign Application Priority Data

Jul. 17, 1985 [JP] Japan ..... 60-30202  
[52] U.S. Cl. .... D15/199; D15/122  
[58] Field of Search ..... D15/122, 199; 414/729, 414/730, 732, 737, 738, 739, 740, 741, 744 R, 744 A, 744 B, 744 C; 901/14-16

[56] References Cited

U.S. PATENT DOCUMENTS

D. 268,033 2/1983 Stackhouse ..... D15/122  
D. 273,870 5/1984 Kono et al. .... D15/199

D. 274,182 6/1984 Kato ..... D15/199  
3,543,947 12/1970 Devol ..... 414/744 A  
3,883,009 5/1975 Swoboda, Jr. et al. .... 414/740  
4,518,307 5/1985 Bloch ..... 414/729  
4,586,868 5/1986 Nakashima et al. .... D15/199  
4,594,049 6/1986 Terauchi ..... 414/744 R

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[57] CLAIM

The ornamental design for an industrial robot, as shown.

DESCRIPTION

FIG. 1 is a front, top and left side perspective view of a industrial robot showing our new design; FIG. 2 is a front elevational view thereof; FIG. 3 is a right side elevational view thereof; FIG. 4 is a rear elevational view thereof; FIG. 5 is a left side elevational view thereof; FIG. 6 is a top plan view thereof; FIG. 7 is a bottom plan view thereof; and FIG. 8 is a top plan view of the industrial robot with the arm in another position.

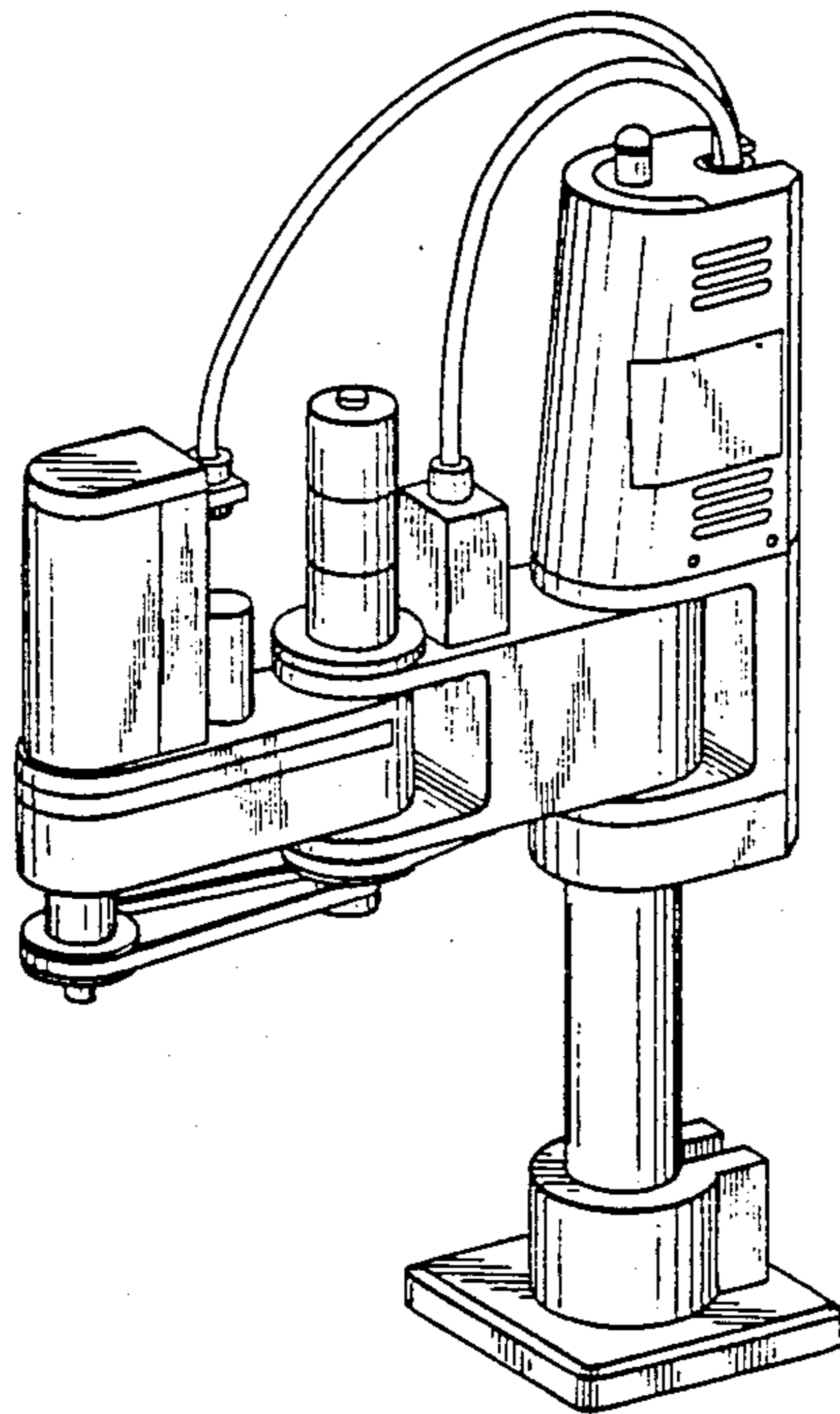


FIG. 2

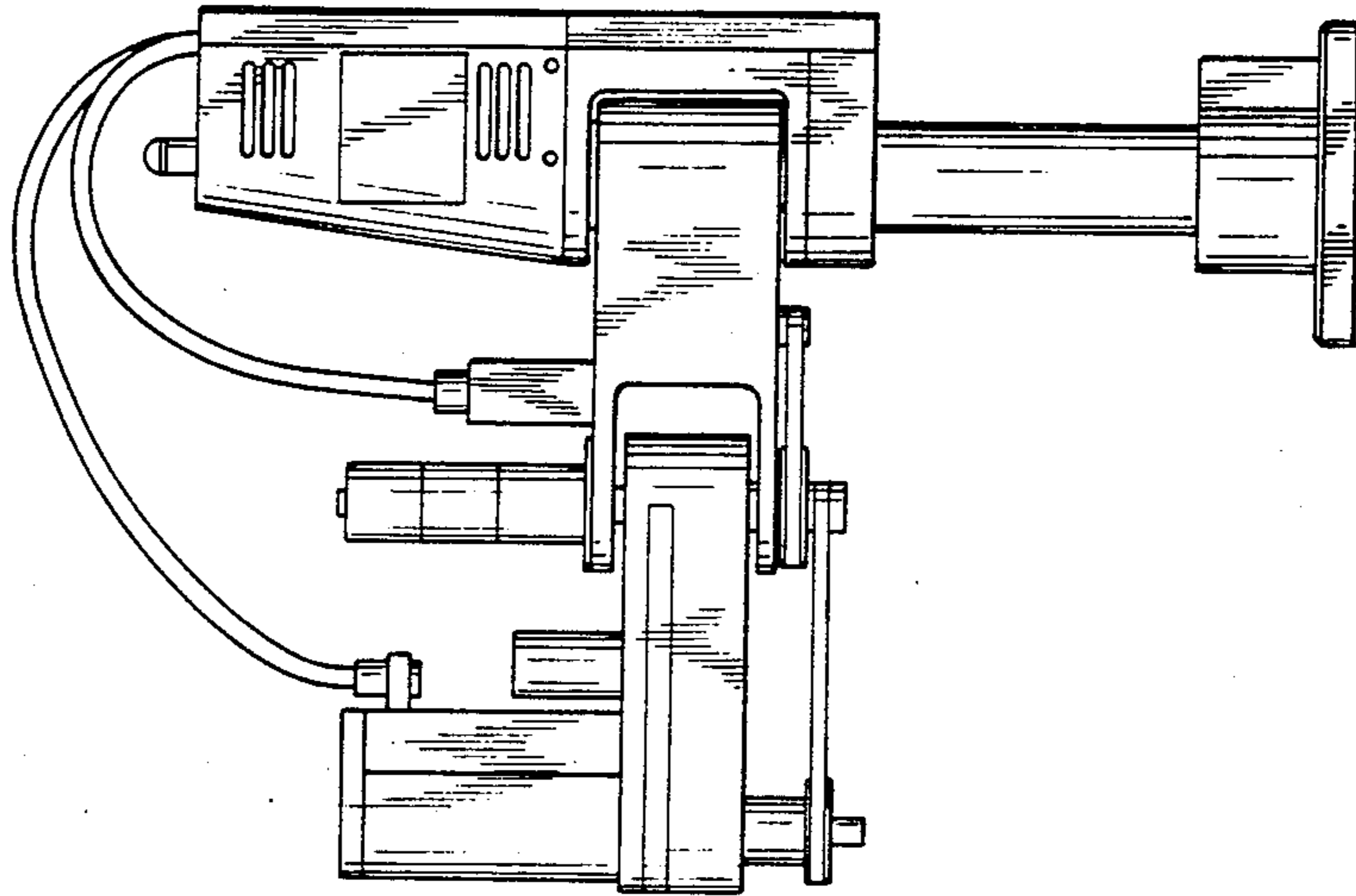


FIG. 1

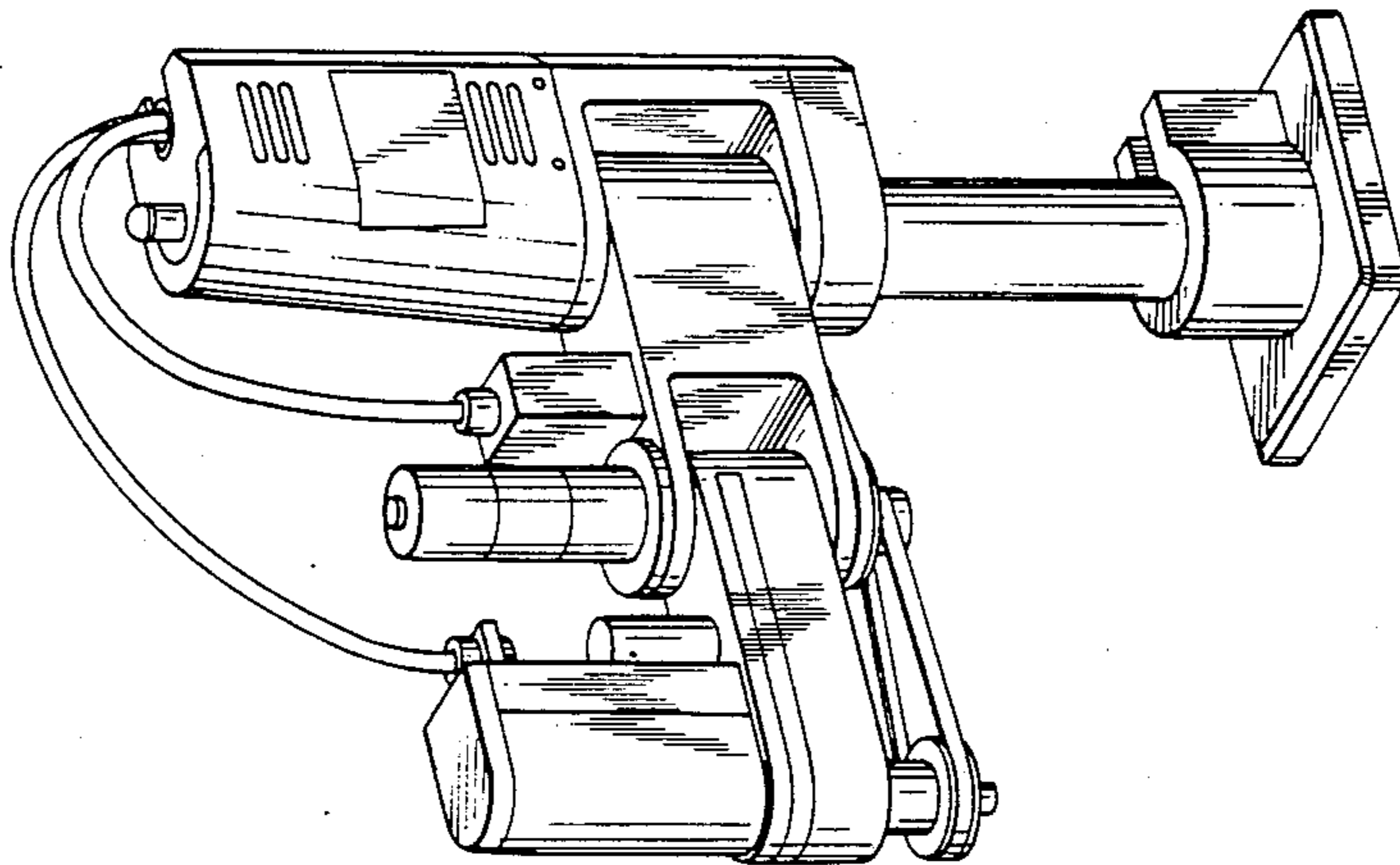


FIG. 5

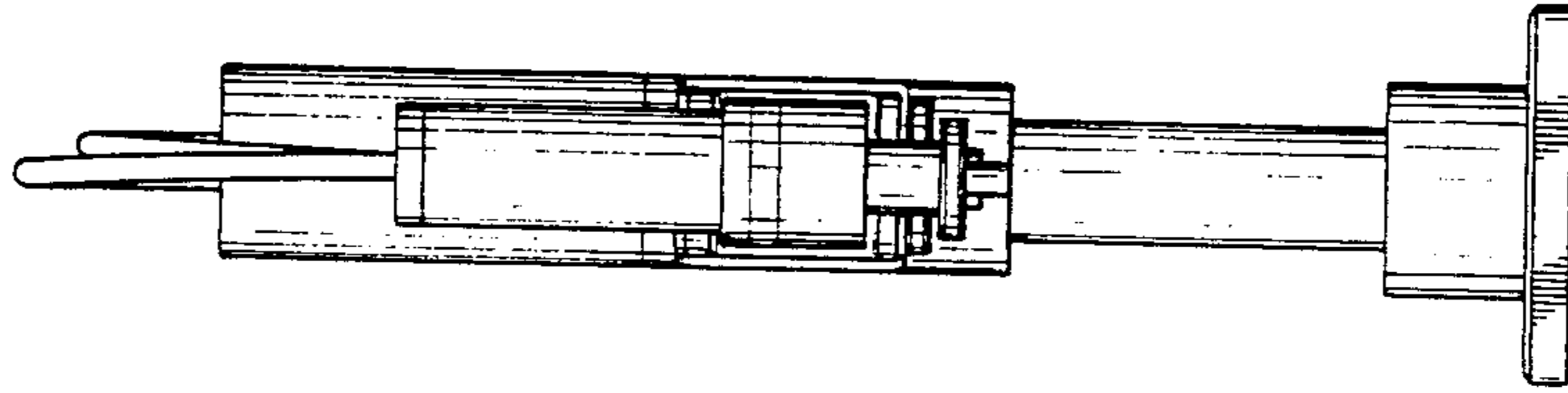


FIG. 4

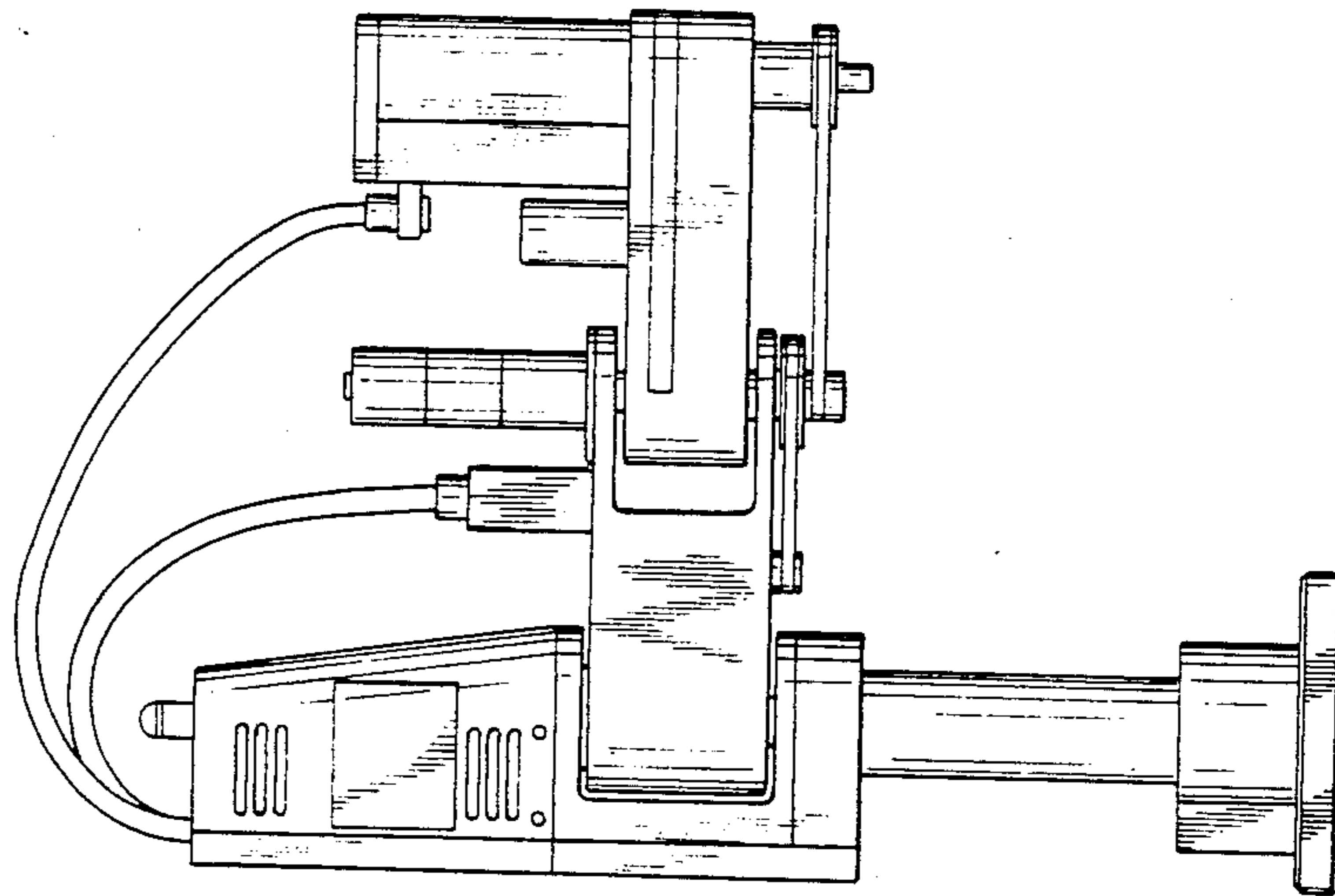


FIG. 3

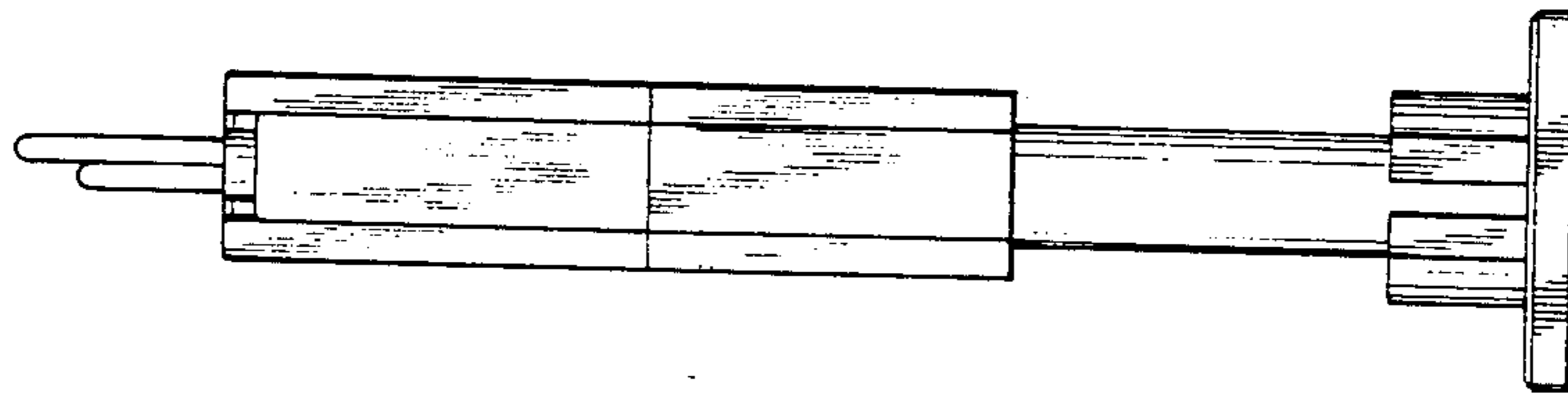


FIG. 6

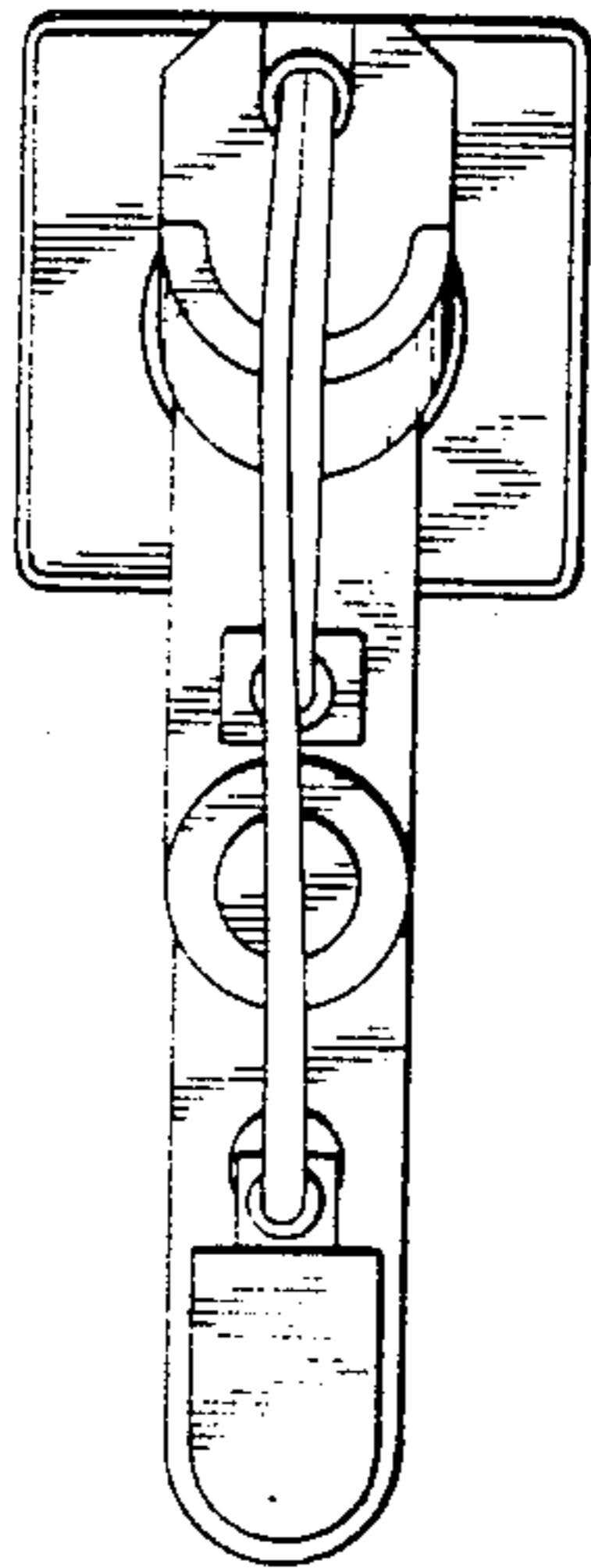


FIG. 7

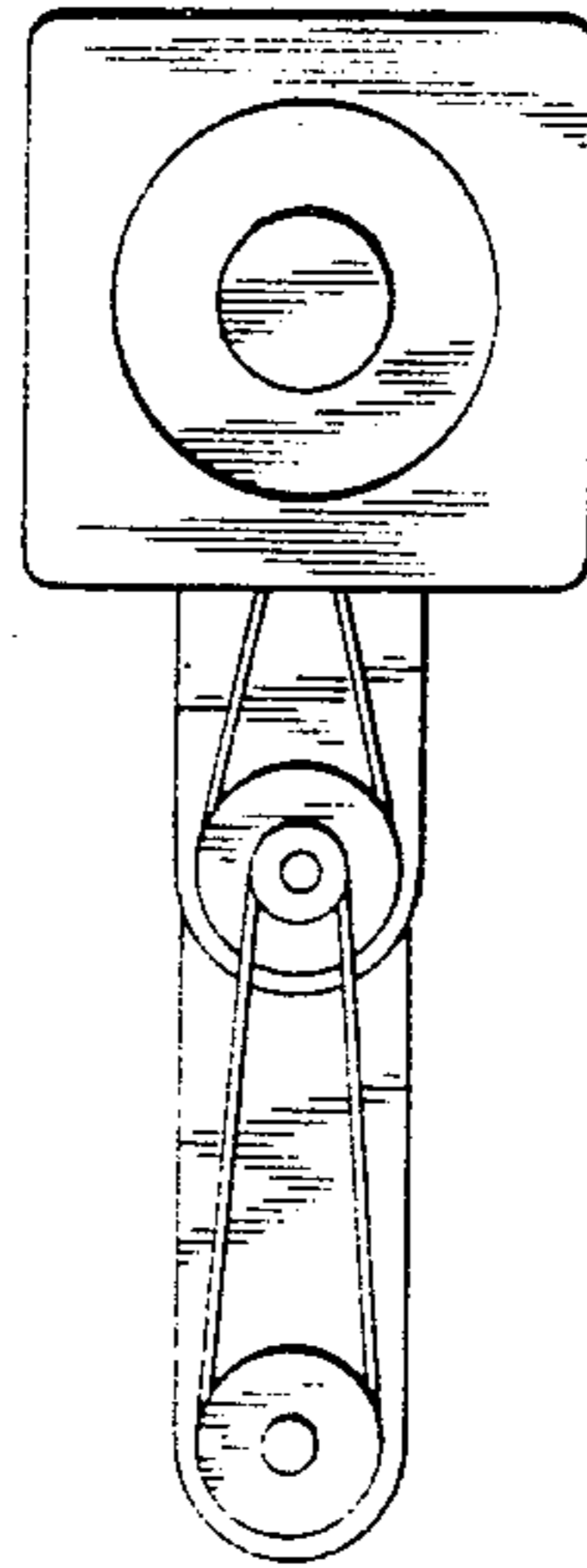


FIG. 8

