

[54] INDUSTRIAL ROBOT

[75] Inventors: Masato Shibayama, Sayama; Takeshi Abe; Kiyohide Koizumi, both of Tokyo; Kouichi Sugimoto, Hiratsuka; Hitoshi Kusakawa, Funabashi; Tatenori Jinriki, Narashino, all of Japan

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

[**] Term: 14 Years

[21] Appl. No.: 482,189

[22] Filed: Apr. 5, 1983

[30] Foreign Application Priority Data

Oct. 15, 1982 [JP] Japan 57-46555

[52] U.S. Cl. D15/199; D15/122

[58] Field of Search D15/122, 199; 901/30, 901/31, 40, 23; 414/728, 729, 732, 738

[56] References Cited

U.S. PATENT DOCUMENTS

D. 268,033 2/1983 Stackhouse D15/122

D. 269,681	7/1983	Morser et al.	D15/199
3,630,389	12/1971	Schmidt	901/40
3,984,009	10/1976	Holroyd	901/31
4,273,506	6/1981	Thomson et al.	901/31
4,396,344	8/1983	Sugimoto et al.	414/735

FOREIGN PATENT DOCUMENTS

2085398 4/1982 United Kingdom 414/738

Primary Examiner—B. J. Bullock

Attorney, Agent, or Firm—Antonelli, Terry & Wands

[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 rear elevational view thereof; FIG. 4 is a right side elevational view thereof; FIG. 5 is a top plan view thereof; FIG. 6 is a bottom plan view thereof; FIG. 7 is a left side elevational view thereof, in an alternate position.

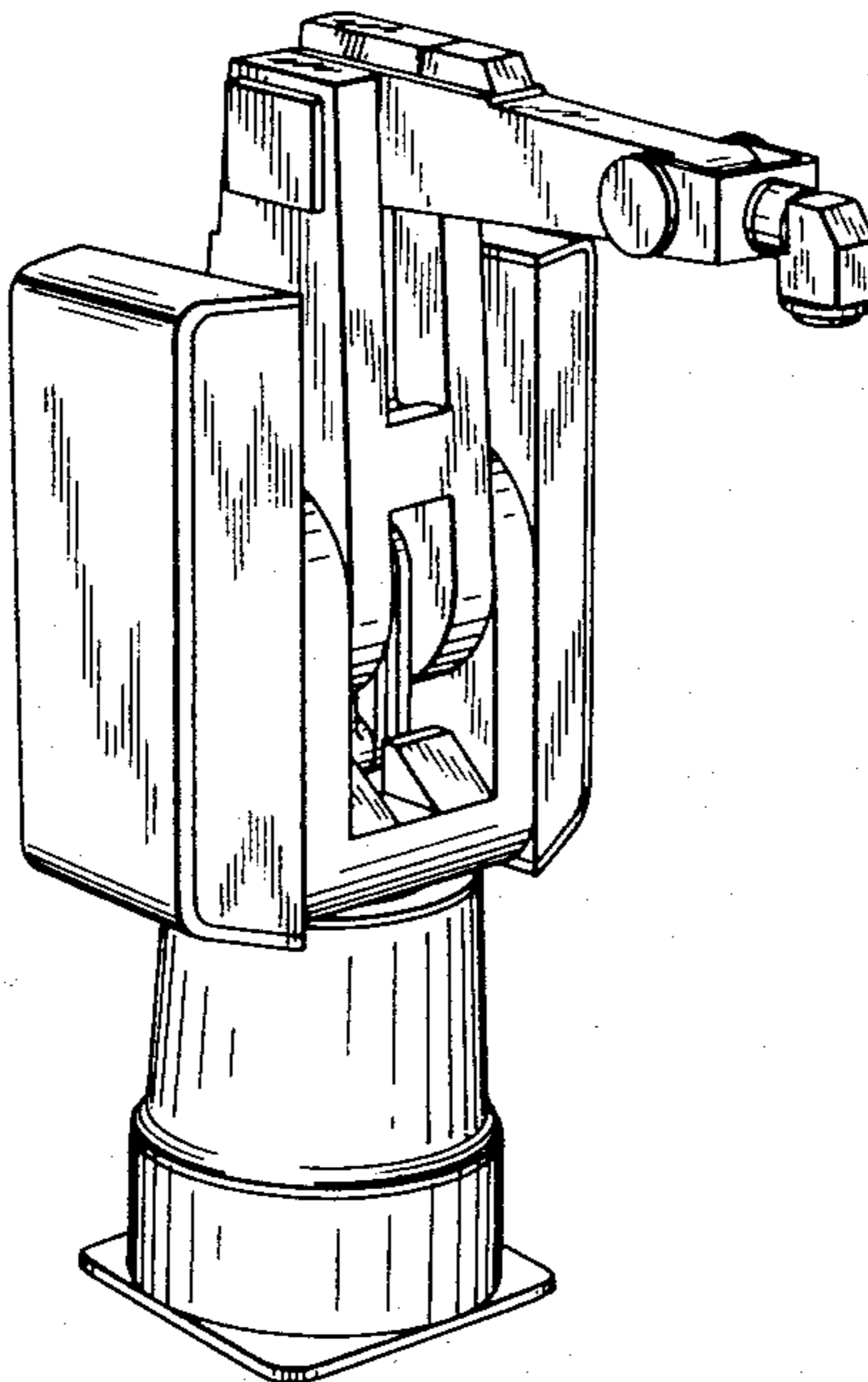


FIG. 1

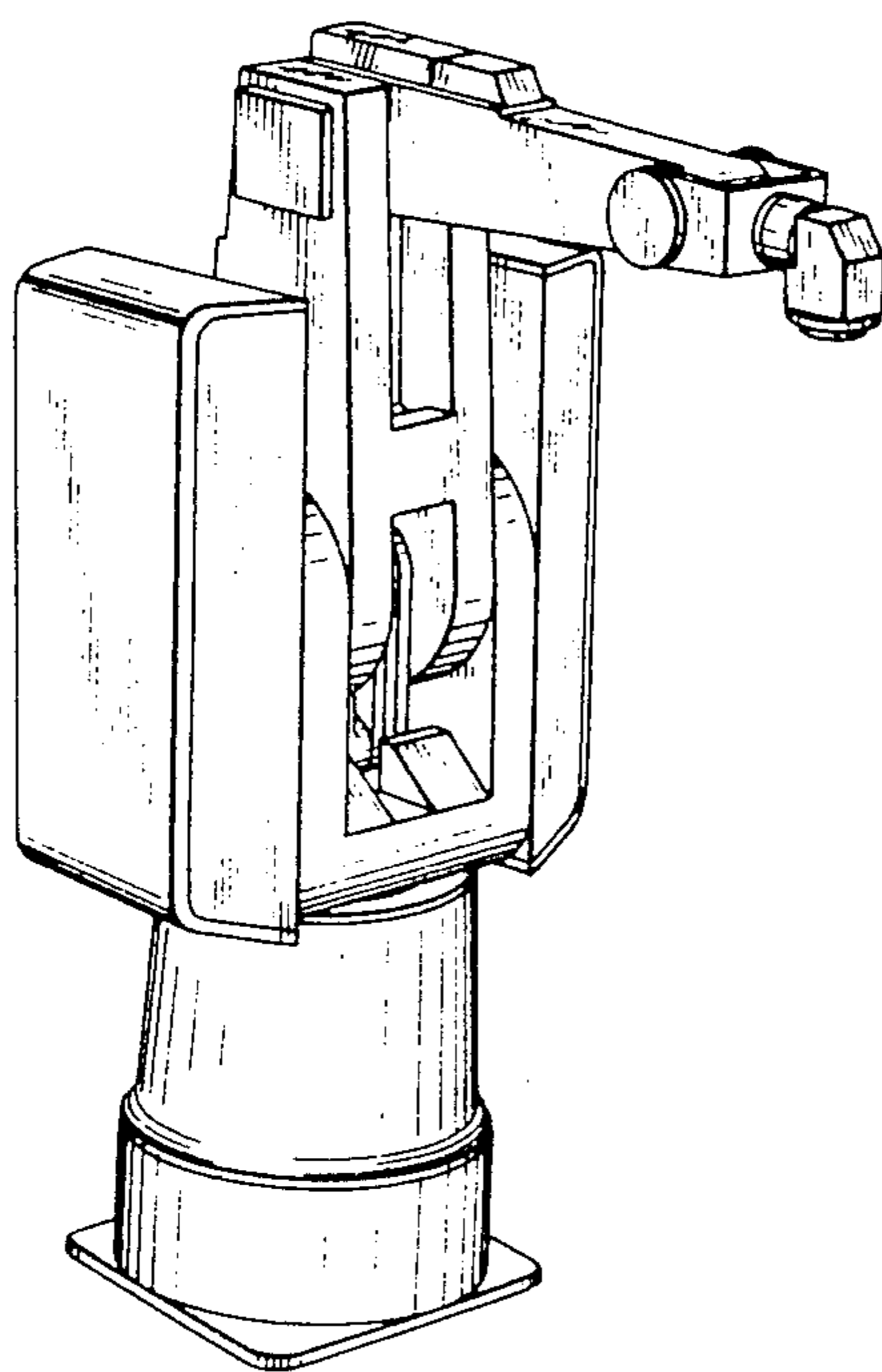


FIG. 2

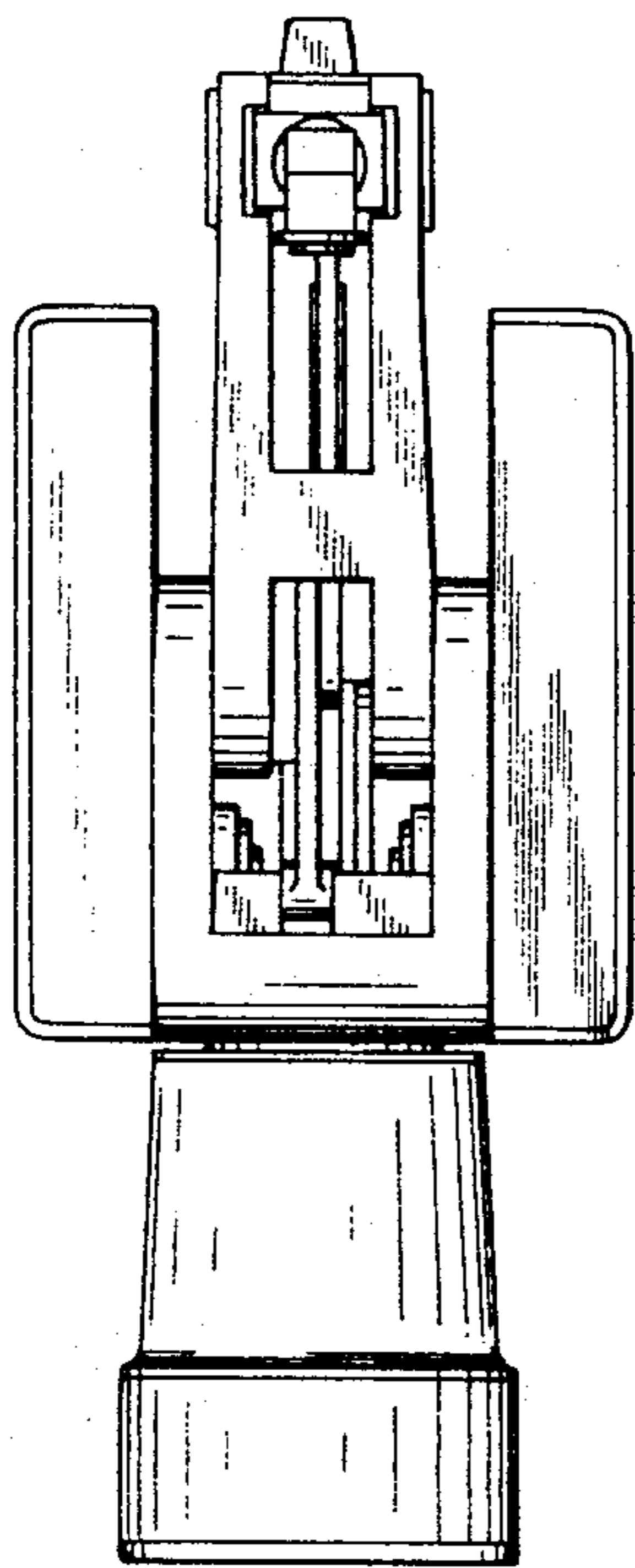


FIG. 3

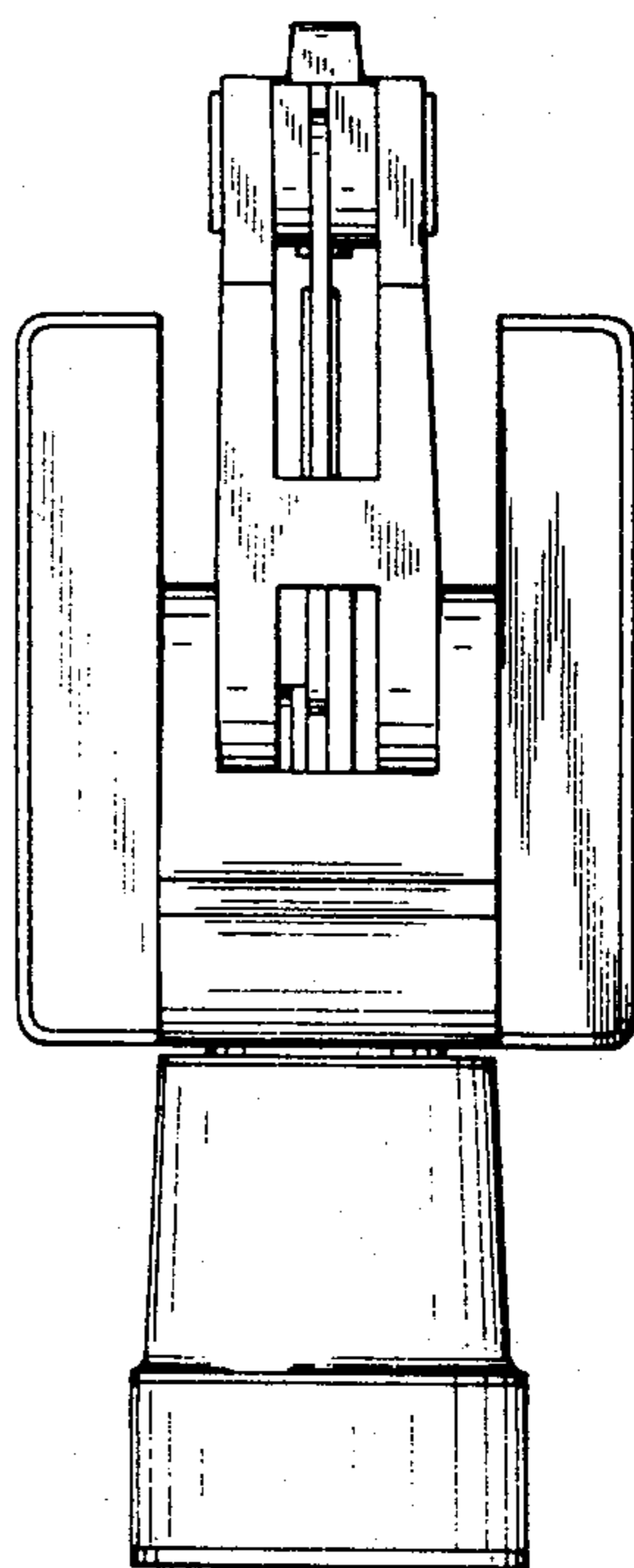


FIG. 4

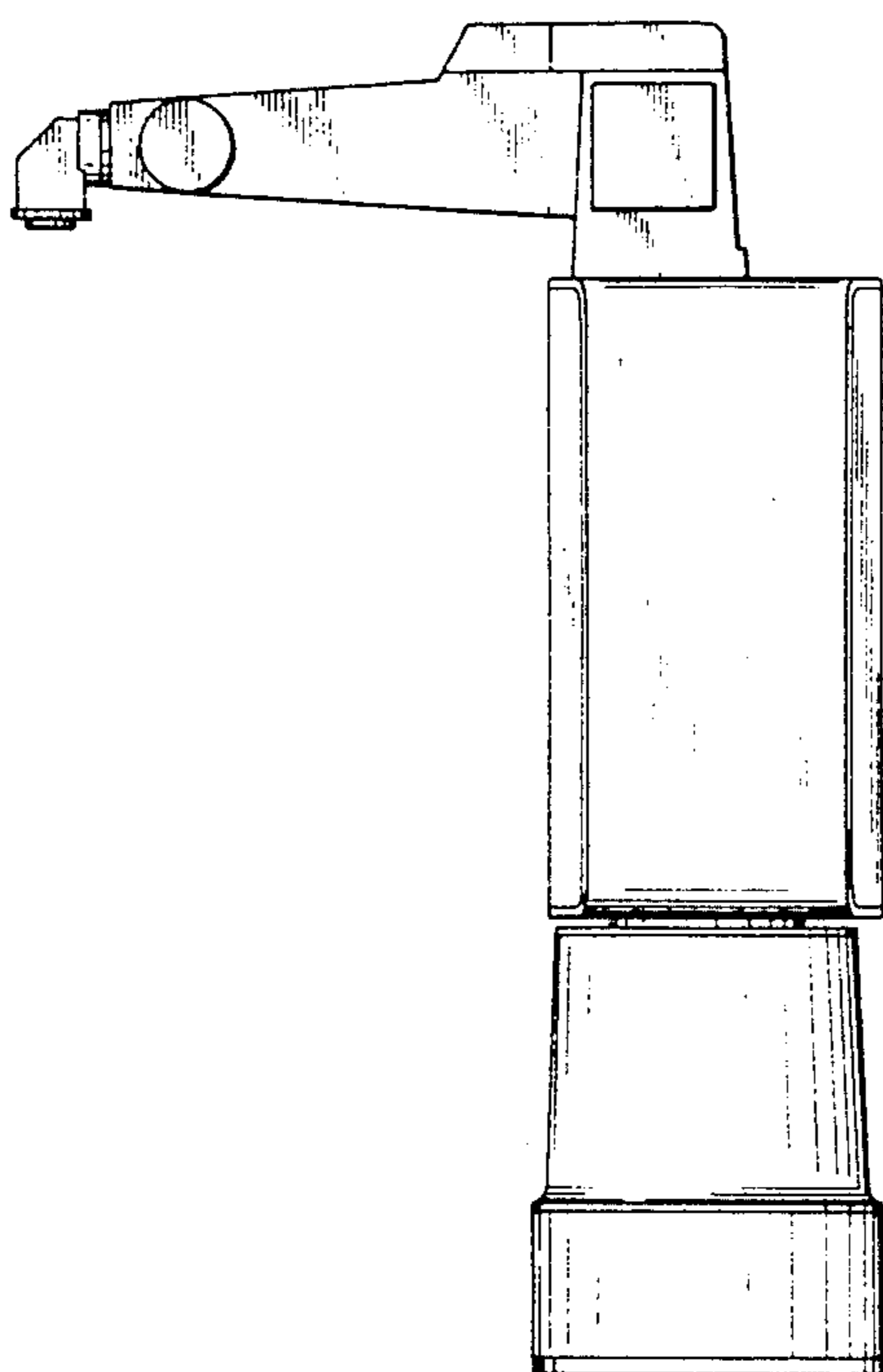


FIG. 5

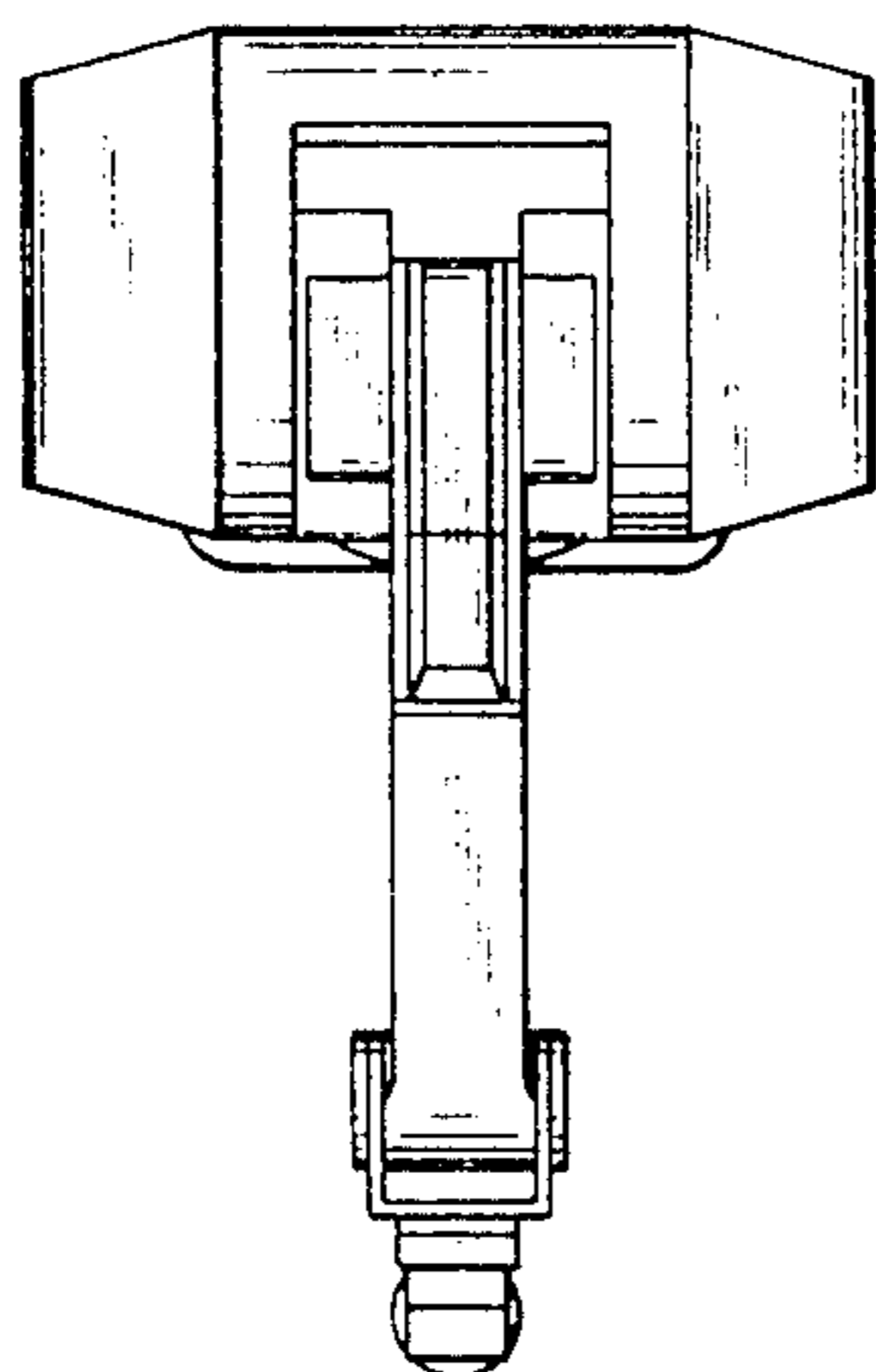


FIG. 6

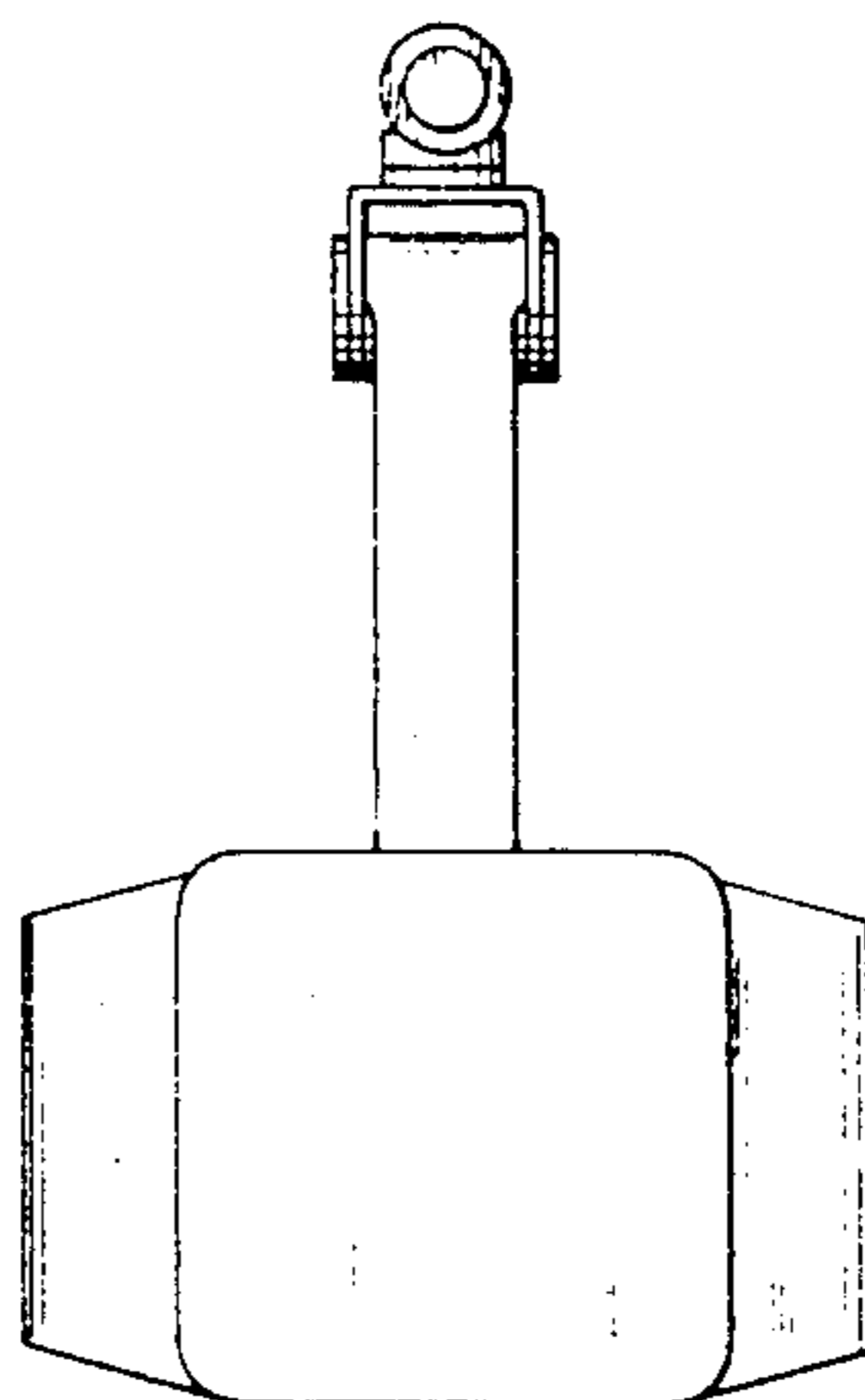


FIG. 7

