

[54] VACUUM CLEANER

[76] Inventor: Benny Li, 702 Tung Wai Commercial Bldg. 111, Gloucester Road, Wanchai, Hong Kong

[\*\*] Term: 14 Years

[21] Appl. No.: 71,281

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[52] U.S. Cl. .... D32/22; D32/18

[58] Field of Search ..... D32/21-22, D32/24, 32-34; 15/320-322, 328-329, 333, 338, 344, 347, 349-351, 353, 410, 412, 414, 415 R, 415 A, 418-422

[56] References Cited

U.S. PATENT DOCUMENTS

D. 214,084 5/1969 Chi ..... D32/18  
D. 220,970 6/1971 Rawson et al. .... D32/22

D. 290,895 7/1987 Thomas et al. .... D32/22  
D. 292,636 11/1987 Goodrich et al. .... D32/22  
D. 298,875 12/1988 Nakamura ..... D32/18

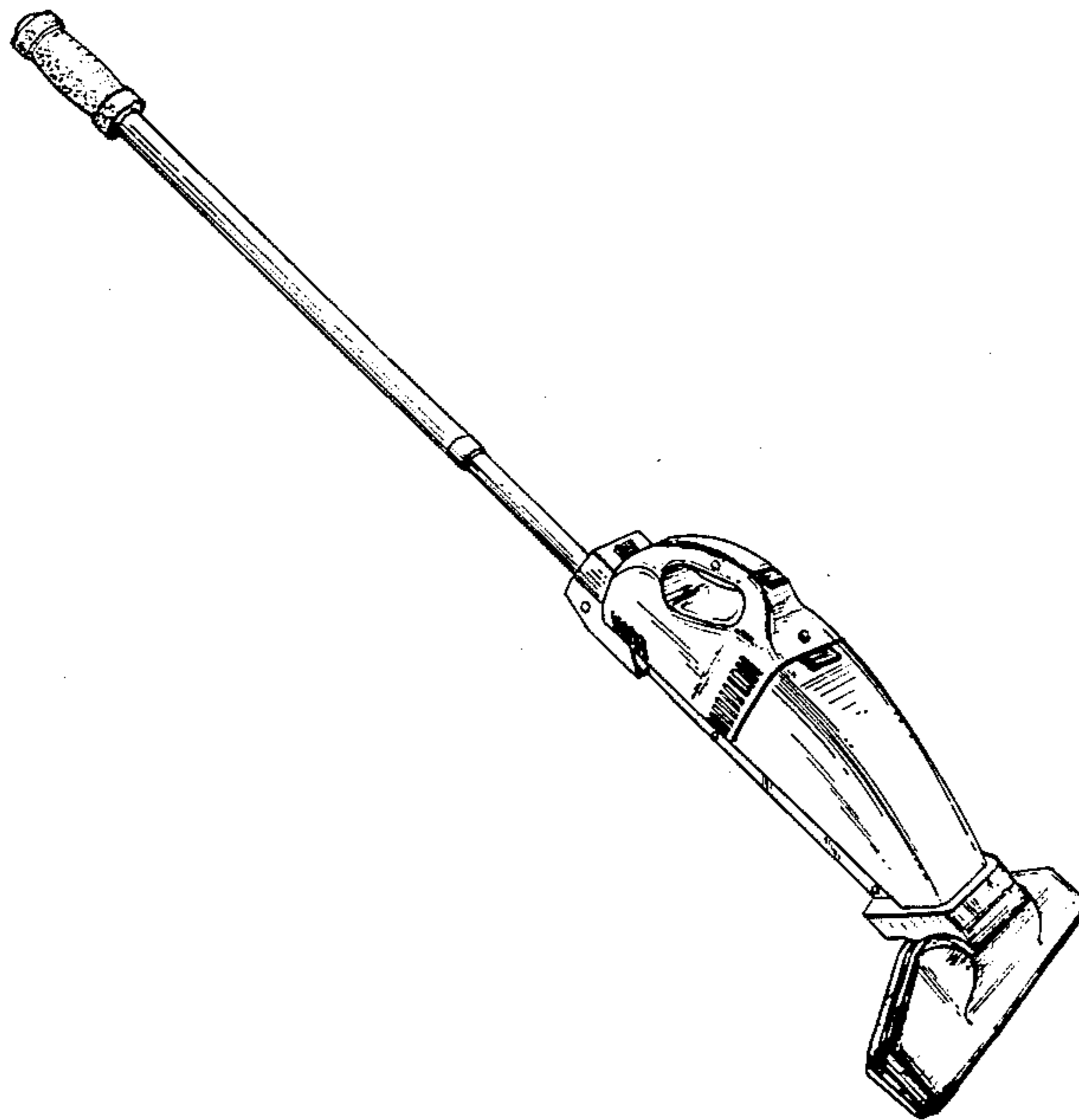
Primary Examiner—A. Hugo Word  
Assistant Examiner—Ruth McInroy  
Attorney, Agent, or Firm—Hopgood, Calimafde, Kalil, Blaustein & Judlowe

[57] CLAIM

The ornamental design of a vacuum cleaner, as shown.

DESCRIPTION

FIG. 1 is a perspective view of a vacuum cleaner showing my new design;  
FIG. 2 is an exploded perspective view thereof;  
FIG. 3 is a top plan view thereof;  
FIG. 4 is a side elevational view thereof;  
FIG. 5 is a bottom plan view thereof;  
FIG. 6 is a rear elevational view thereof; and  
FIG. 7 is a front elevational view thereof.



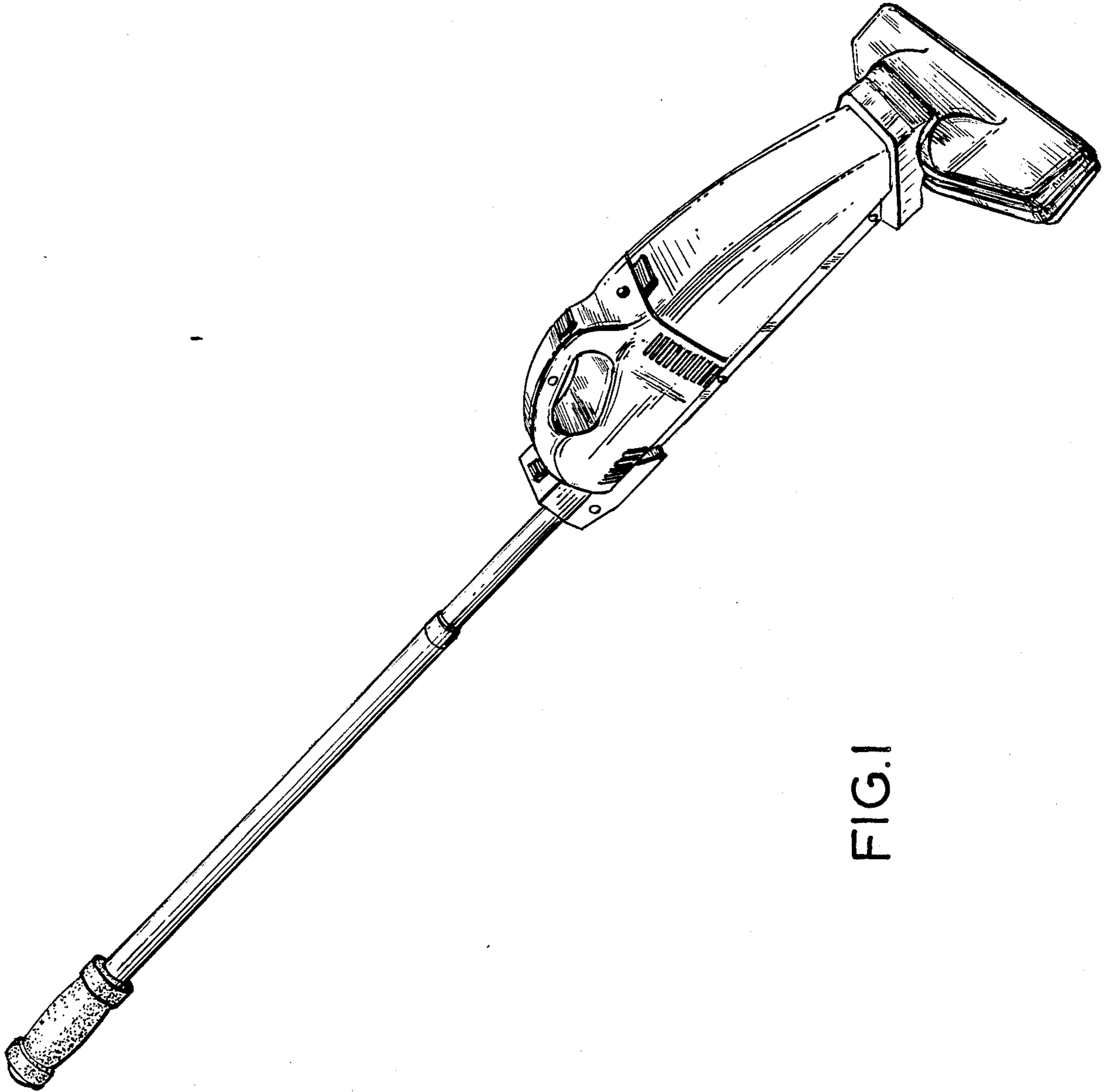


FIG. 1

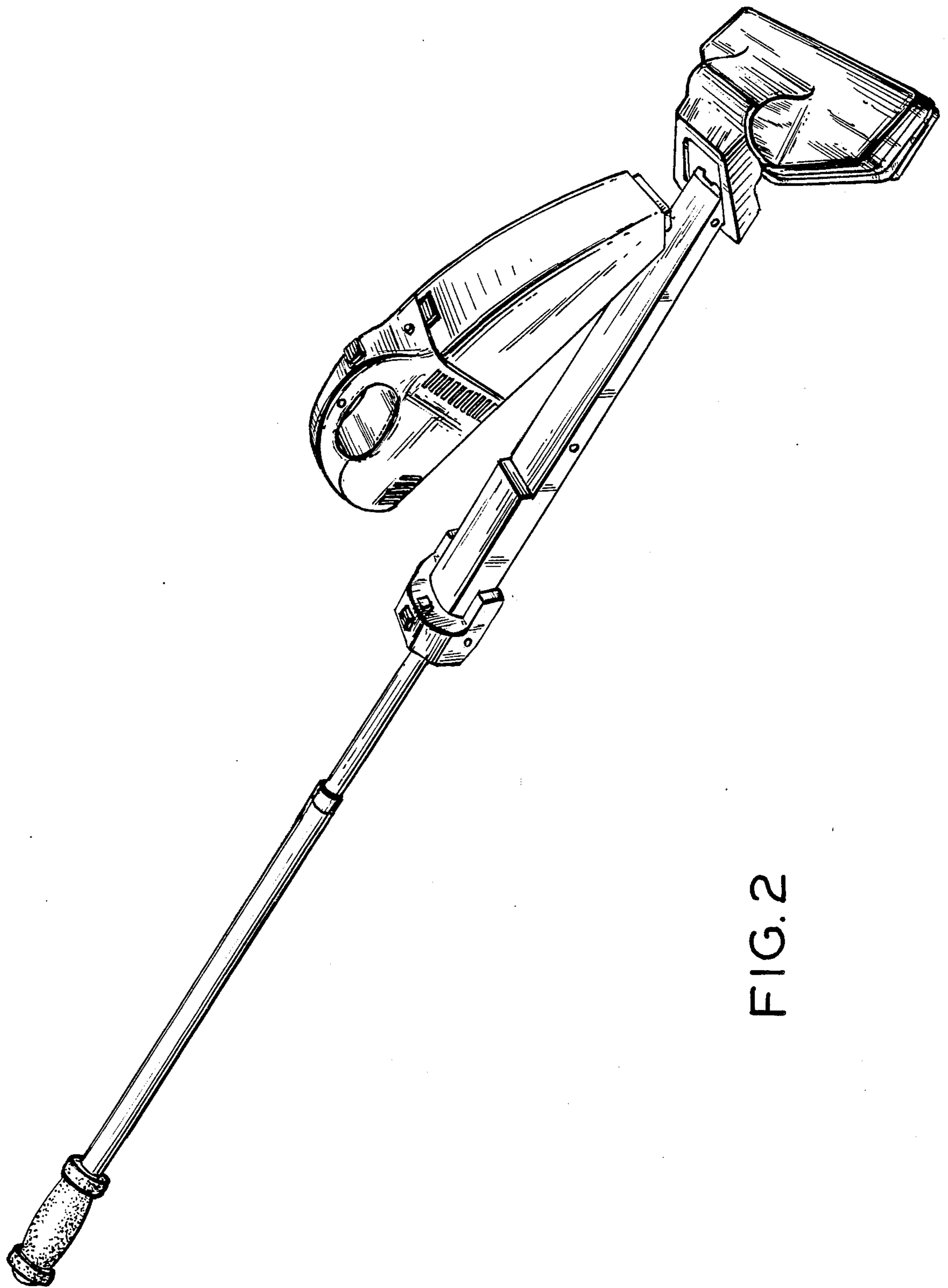


FIG. 2

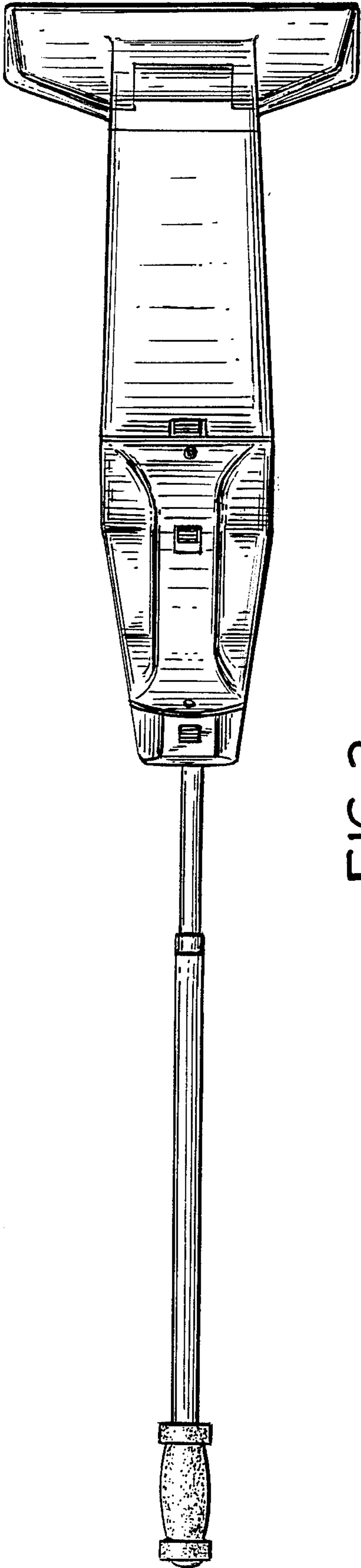


FIG. 3

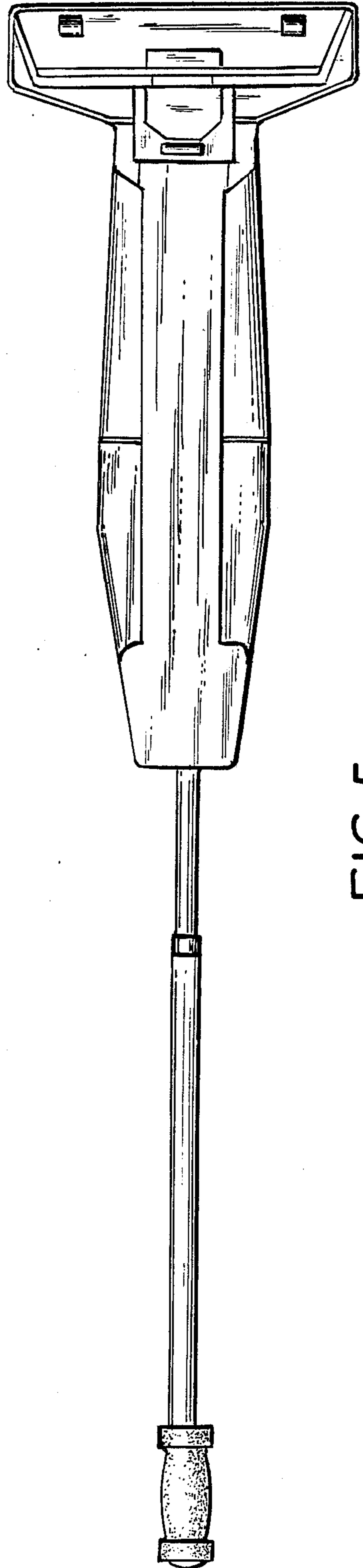


FIG. 5

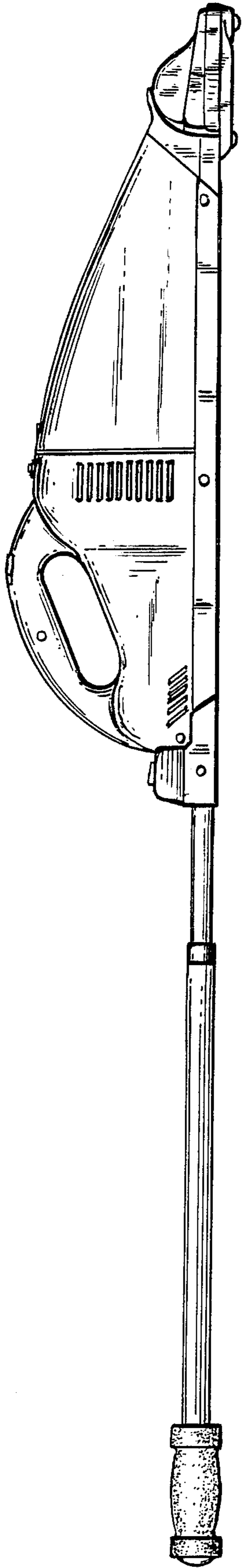


FIG. 4

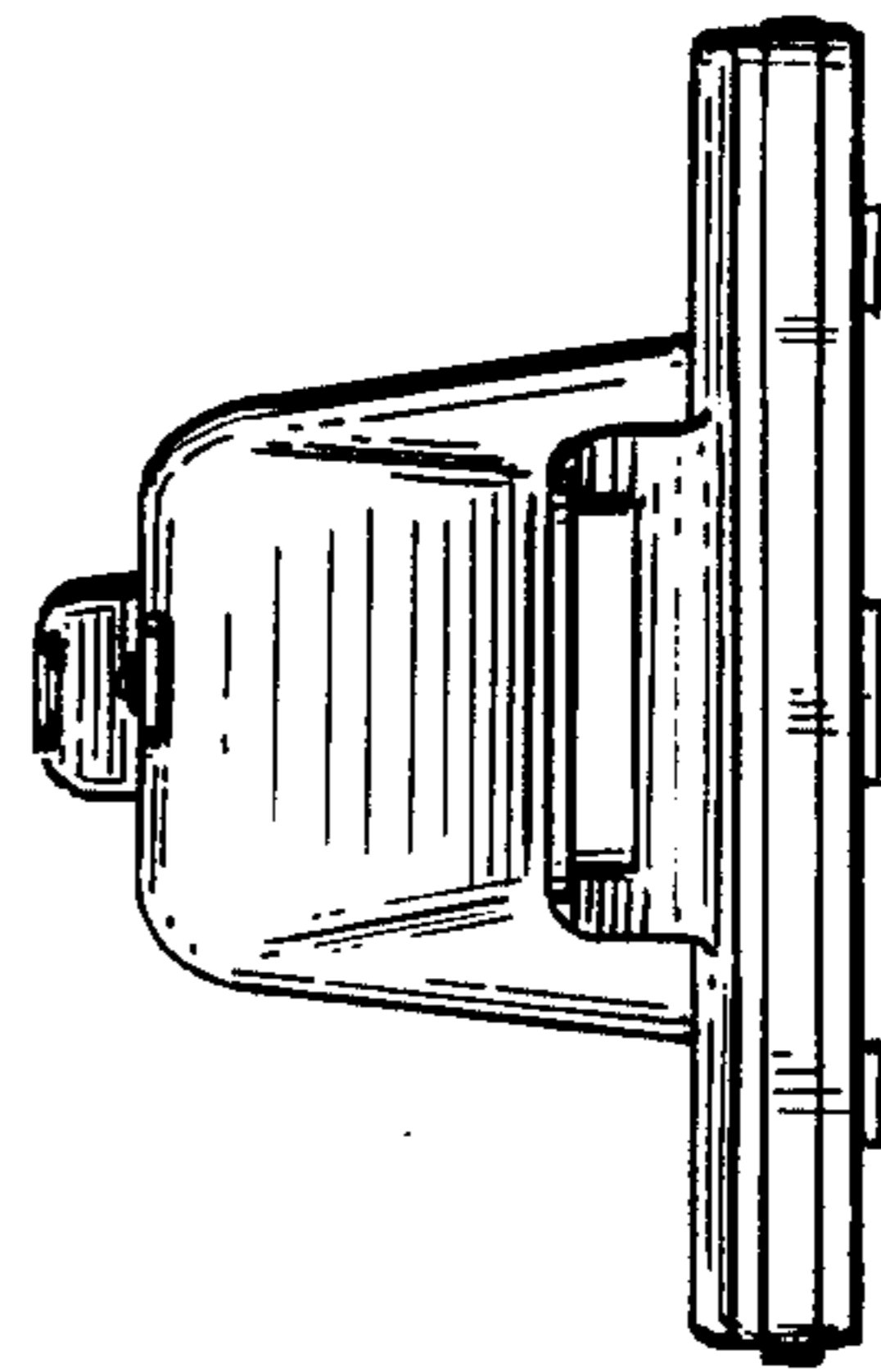


FIG. 6

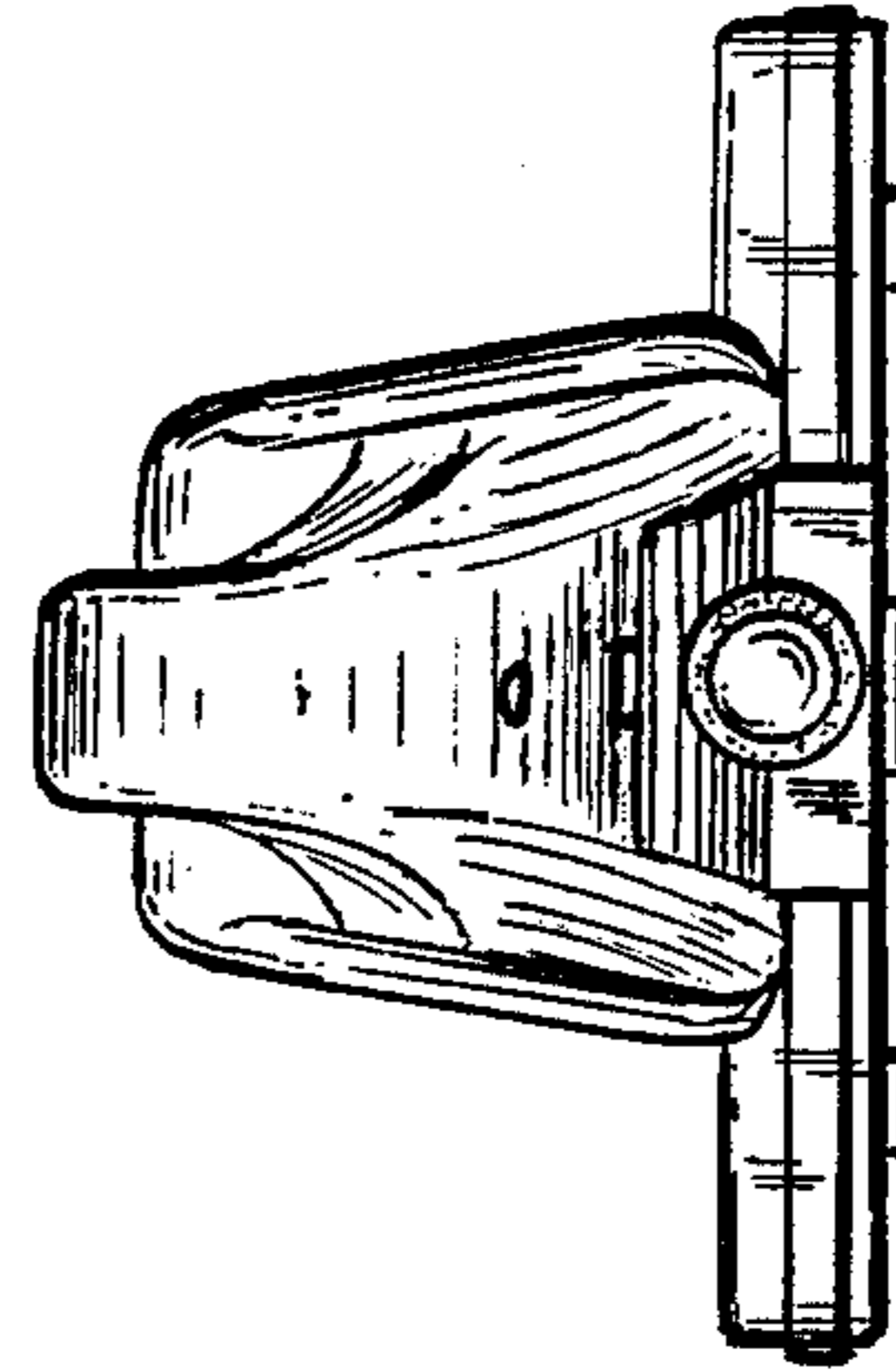


FIG. 7