

[54] TOOL FOR HANDLING ELECTRONIC COMPONENTS

[75] Inventor: Zdzislaw Bieganski, Harpenden, England

[73] Assignee: Abeco Limited, Milton Keynes, England

[**] Term: 14 Years

[21] Appl. No.: 680,270

[22] Filed: Dec. 10, 1984

[30] Foreign Application Priority Data

| | | |
|--------------------|----------------|---------|
| Jun. 30, 1984 [GB] | United Kingdom | 1020658 |
| Jun. 30, 1984 [GB] | United Kingdom | 1020659 |
| Jun. 30, 1984 [GB] | United Kingdom | 1020660 |
| Jun. 30, 1984 [GB] | United Kingdom | 1020661 |

[52] U.S. Cl. D8/14

[58] Field of Search D8/14, 71; 29/270, 278, 29/566.4, 741, 758, 764

[56] References Cited

U.S. PATENT DOCUMENTS

| | | | |
|------------|--------|----------------|--------|
| D. 252,609 | 8/1979 | Wolkert | D8/14 |
| 4,033,032 | 7/1977 | Romania et al. | 29/235 |
| 4,392,301 | 7/1983 | Hannes et al. | 29/741 |

| | | | |
|-----------|--------|----------|--------|
| 4,507,861 | 4/1985 | Sprenkle | 29/764 |
| 4,521,959 | 6/1985 | Sprenkle | 29/758 |

Primary Examiner—B. J. Bullock
Attorney, Agent, or Firm—C. O. Marshall, Jr.

[57] CLAIM

The ornamental design of a tool for handling electronic components, as shown and described.

DESCRIPTION

FIG. 1 is a top, front and right perspective view of a tool for handling electronic components showing my new design;

FIG. 2 is a bottom, rear and right perspective view thereof;

FIG. 3 is a left side elevational view taken in the direction of arrow 3 in FIG. 1;

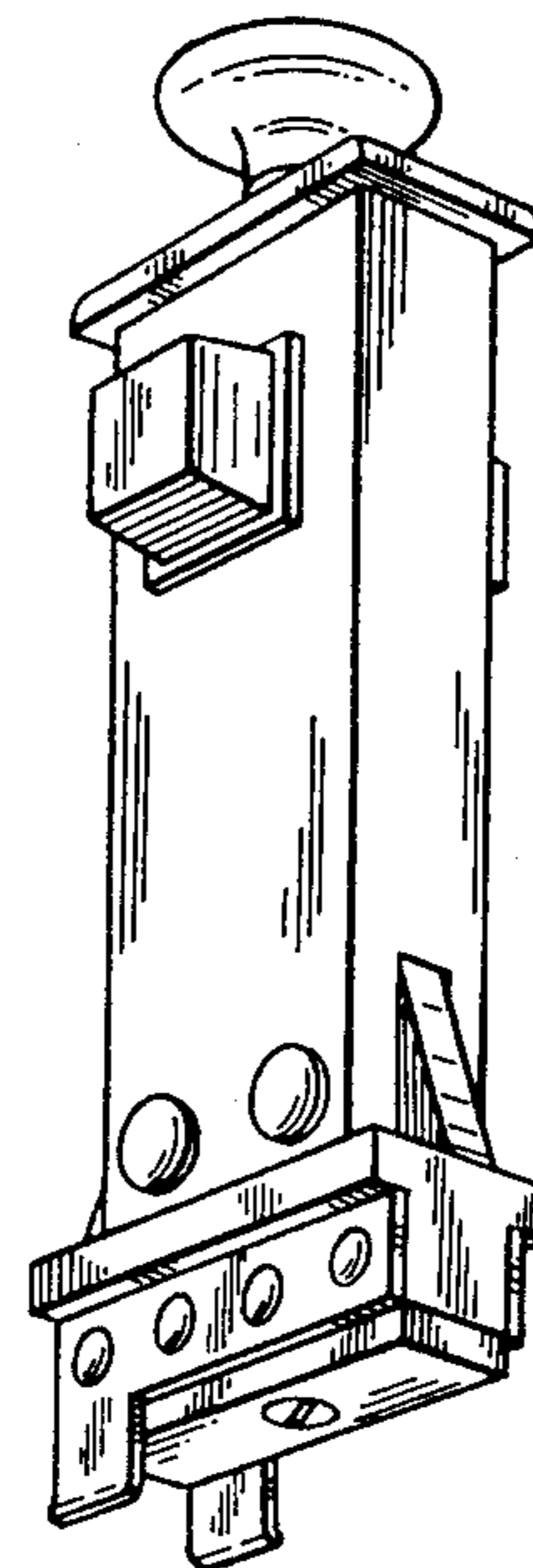
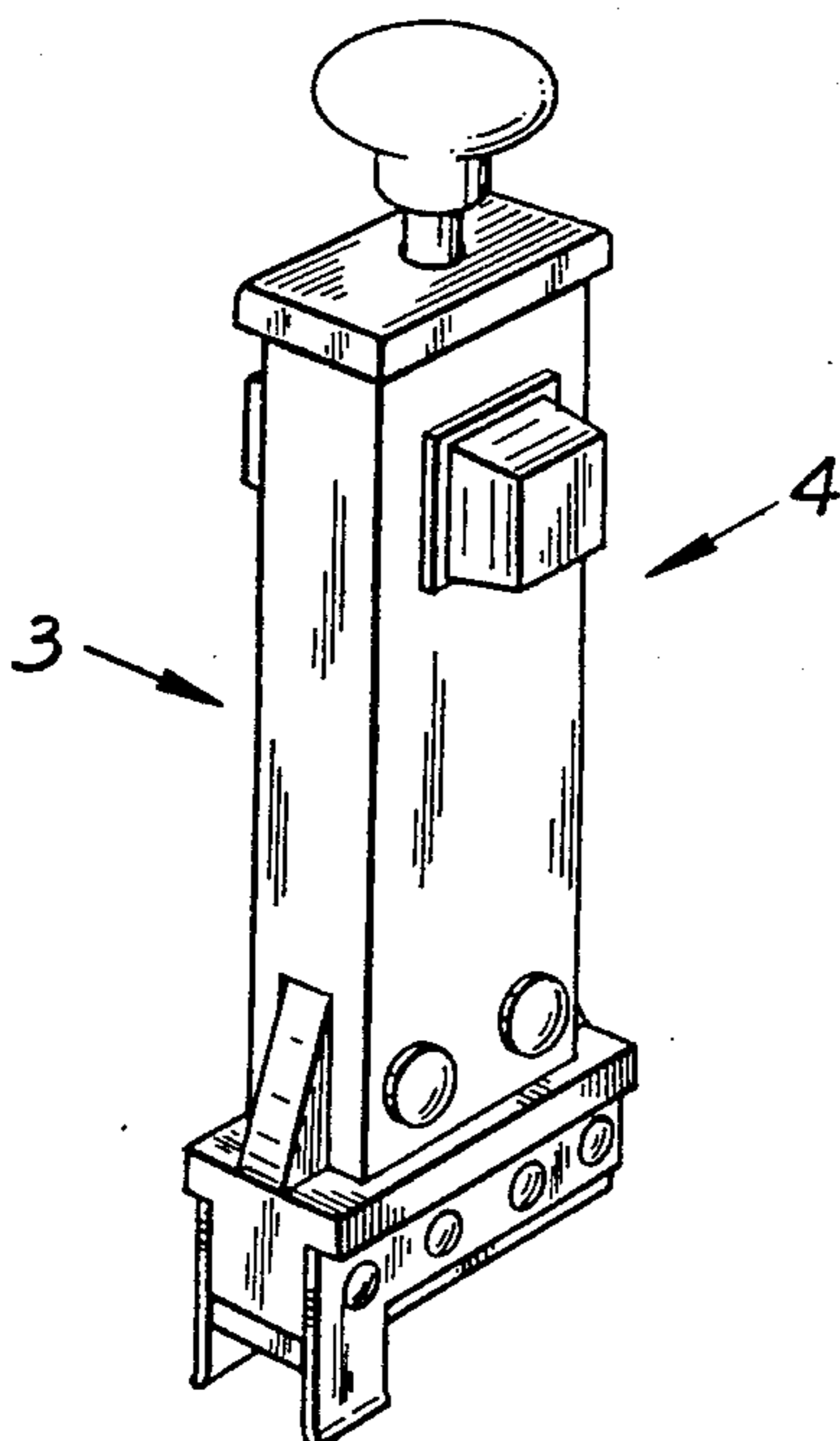
FIG. 4 is a rear elevational view taken in the direction of arrow 4 in FIG. 1;

FIG. 5 is a bottom, rear and right perspective view of a second embodiment of the design of FIG. 1;

FIG. 6 is a bottom, rear and right perspective view of a third embodiment of the design of FIG. 1;

FIG. 7 is a bottom, rear and right perspective view of a fourth embodiment of the design of FIG. 1.

The embodiments of FIGS. 2, 5, 6 and 7 differ only in the width of the electronic component engaging jaws.



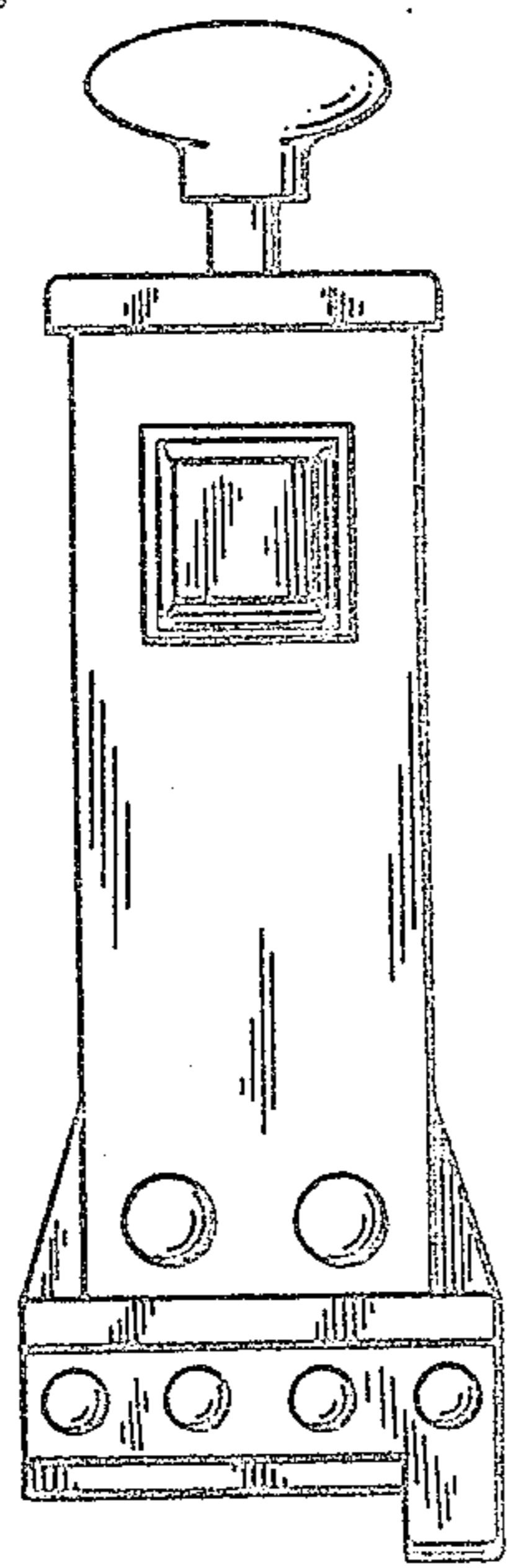
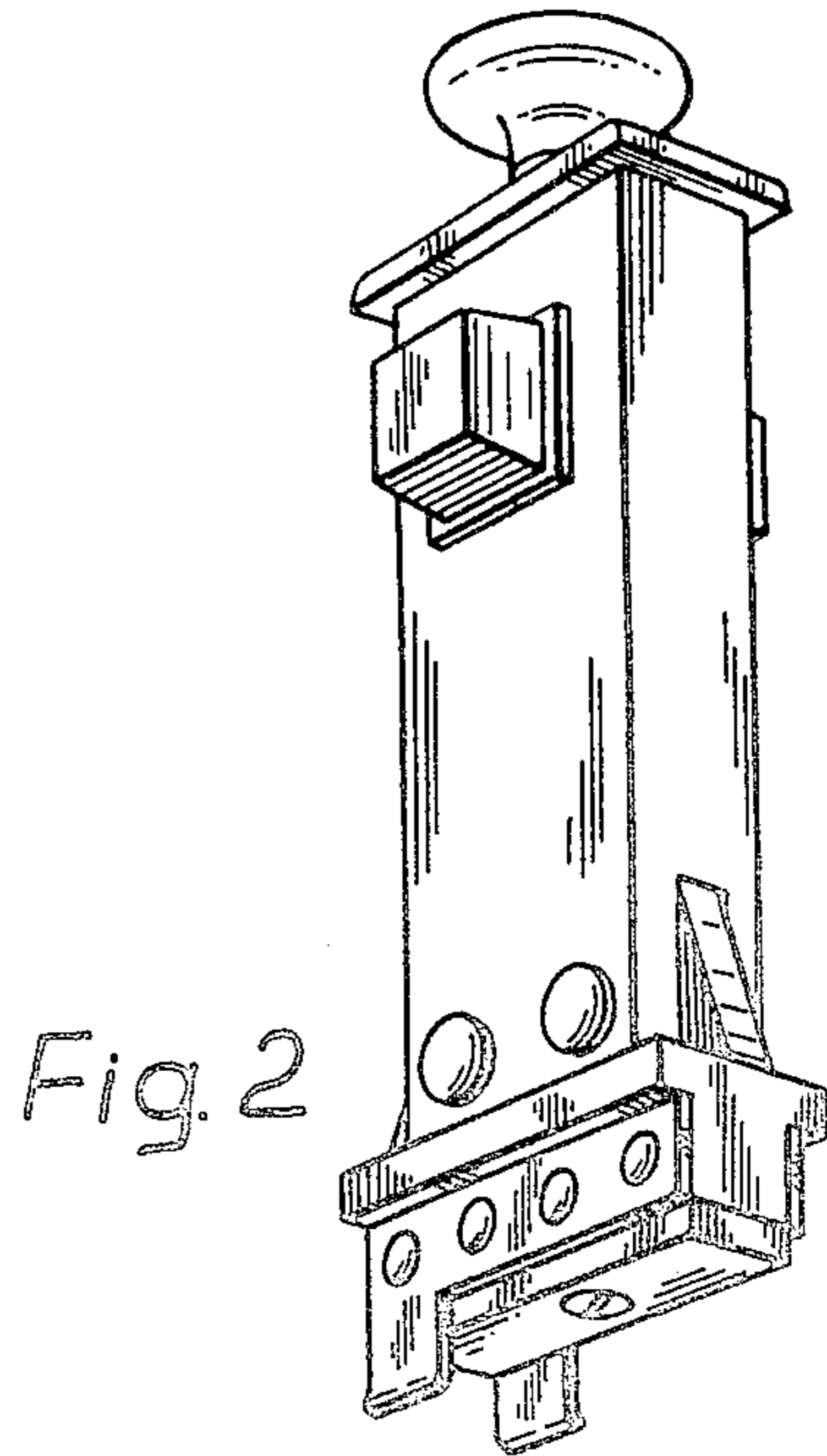
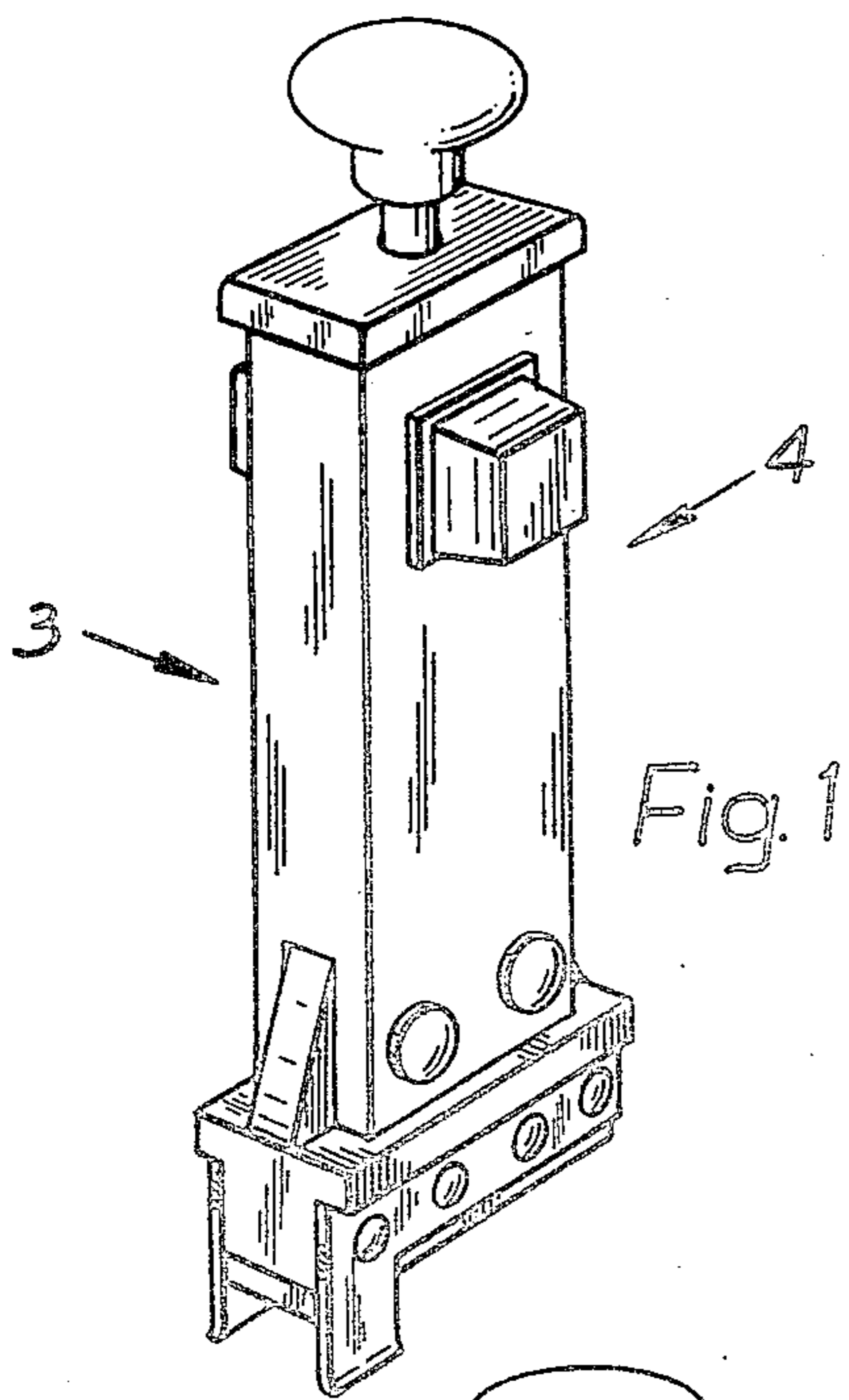


Fig. 3

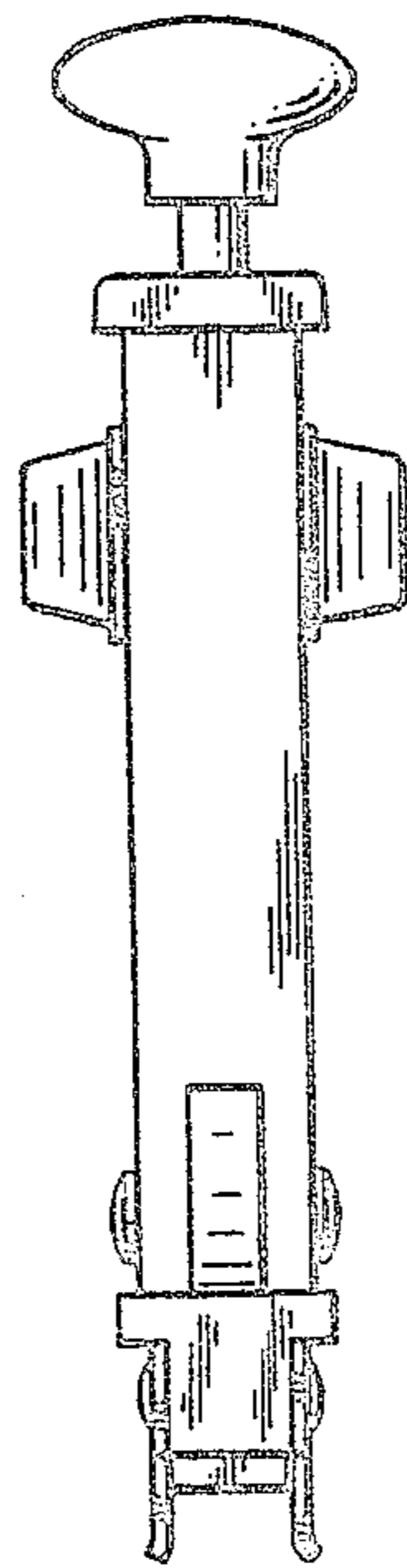


Fig. 4

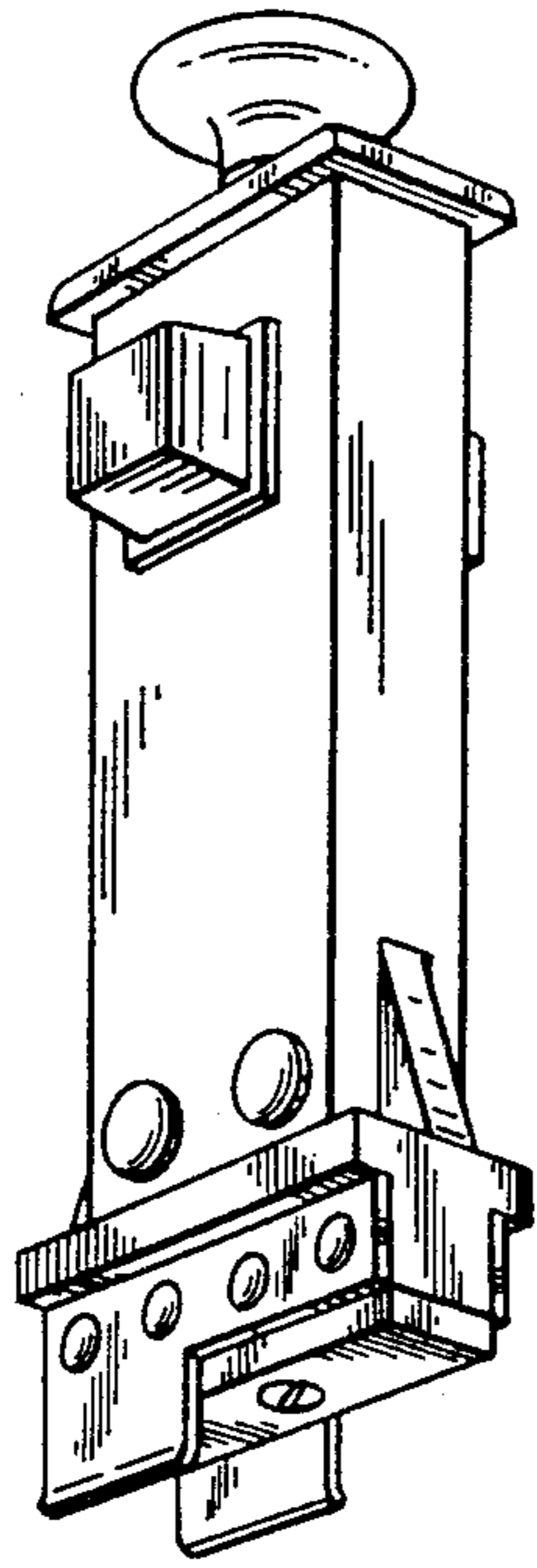


Fig. 5

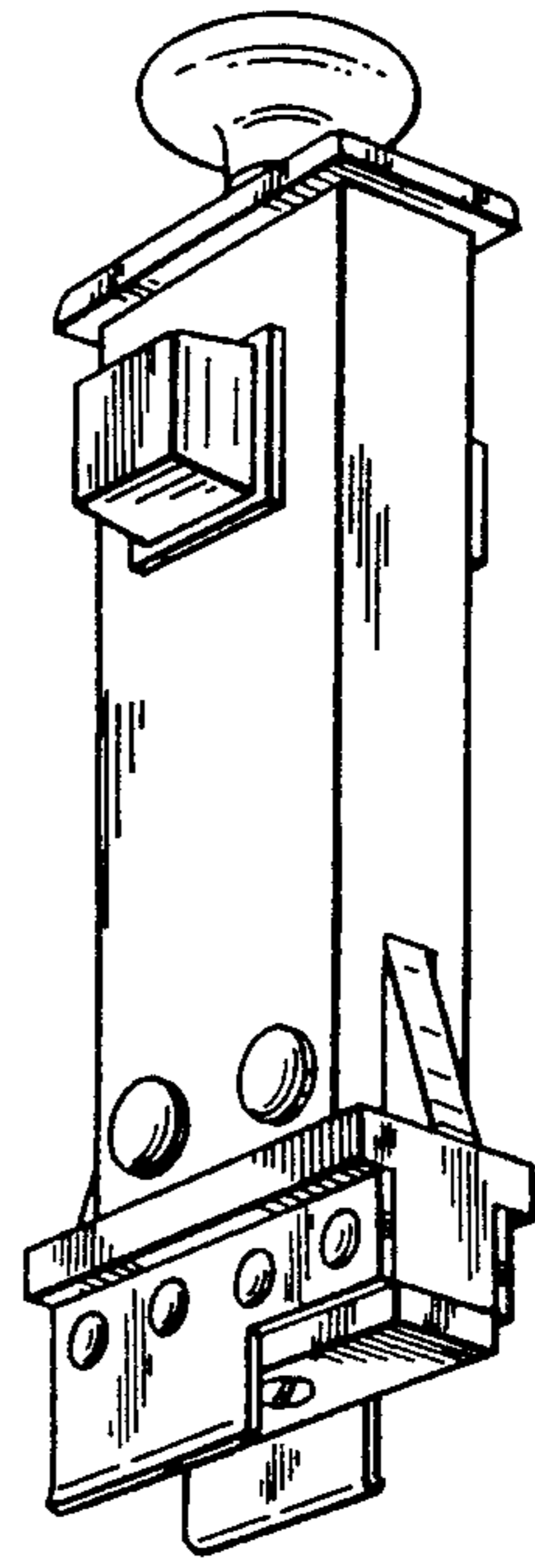


Fig. 6

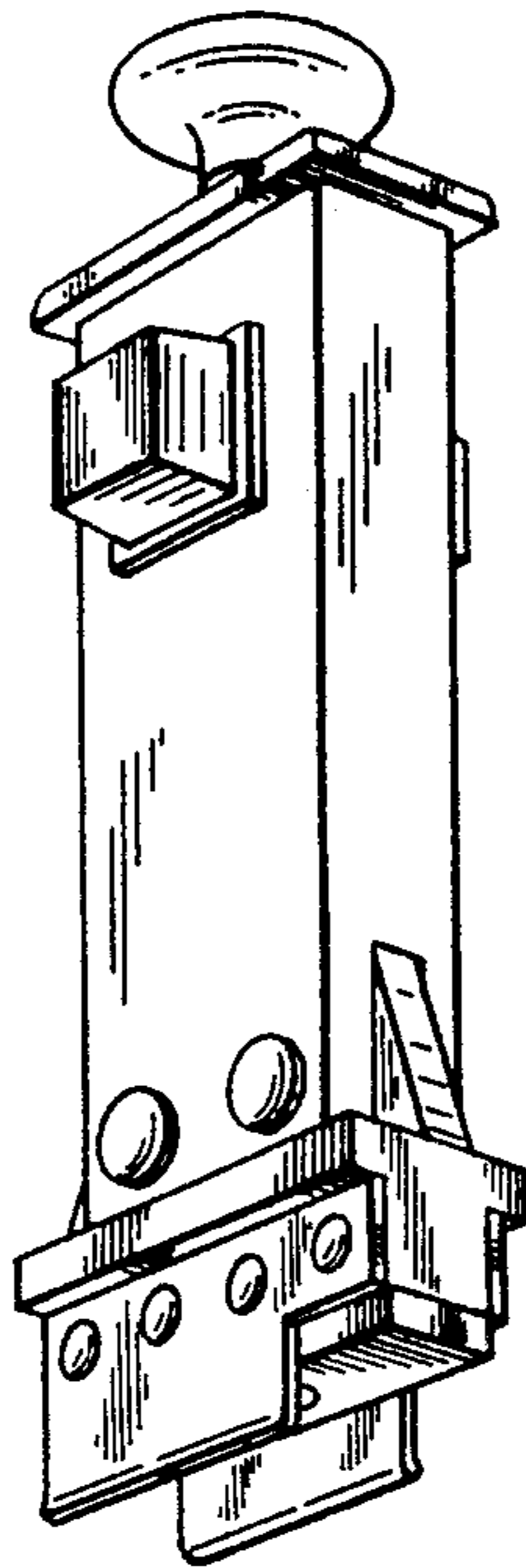


Fig. 7