



US00D743917S

(12) **United States Design Patent**  
**Muramoto**

(10) **Patent No.:** **US D743,917 S**  
(45) **Date of Patent:** **\*\* Nov. 24, 2015**

(54) **PUSH SWITCH**

(71) Applicant: **OMRON Corporation**, Kyoto-shi,  
Kyoto (JP)

(72) Inventor: **Kei Muramoto**, Okayama (JP)

(73) Assignee: **OMRON CORPORATION**, Kyoto (JP)

(\*\*) Term: **14 Years**

(21) Appl. No.: **29/489,009**

(22) Filed: **Apr. 25, 2014**

(30) **Foreign Application Priority Data**

Nov. 21, 2013 (JP) ..... 2013-027285  
Nov. 21, 2013 (JP) ..... 2013-027286  
Nov. 21, 2013 (JP) ..... 2013-027287

(51) **LOC (10) Cl.** ..... **13-03**

(52) **U.S. Cl.**  
USPC ..... **D13/171**

(58) **Field of Classification Search**  
USPC ..... D13/158, 171, 173  
CPC ..... H01H 3/00; H01H 3/02; H01H 3/12;  
H01H 13/00; H01H 13/02; H01H 13/04;  
H01H 13/063; H01H 13/12; H01H 13/14;  
H01H 13/20; H01H 13/50; H01H 1/44;  
H01H 1/58; H01H 21/18; H01H 15/06;  
H01H 9/02; H01R 12/57; H02B 1/04; H02B  
1/044; H02B 1/048

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

3,068,444 A \* 12/1962 Kelchner ..... 439/741  
3,614,364 A \* 10/1971 Bedocs ..... 200/345  
3,674,966 A \* 7/1972 Long ..... 200/557  
4,119,823 A \* 10/1978 Matsueda et al. .... 200/302.3  
4,230,922 A \* 10/1980 Habecker ..... 200/302.2

D268,928 S \* 5/1983 Ohashi ..... D13/171  
4,388,503 A \* 6/1983 Penland et al. .... 200/5 R  
D269,954 S \* 8/1983 Ohashi ..... D10/111  
4,433,222 A \* 2/1984 Kodaira ..... 200/536  
4,514,601 A \* 4/1985 Buchanan ..... 200/5 E  
D280,814 S \* 10/1985 Ohashi ..... D13/171  
D287,359 S \* 12/1986 Ohashi ..... D13/171  
D294,346 S \* 2/1988 Holmes ..... D13/171  
4,935,591 A \* 6/1990 Kaneko ..... 200/293  
D340,224 S \* 10/1993 Gierut ..... D13/171  
D340,227 S \* 10/1993 Gierut ..... D13/171  
D352,700 S \* 11/1994 Agnatovech ..... D13/171  
5,389,758 A \* 2/1995 Agnatovech ..... 200/530  
5,512,723 A \* 4/1996 Joshi ..... 200/530  
5,613,598 A \* 3/1997 Pittman et al. .... 200/295  
5,667,062 A \* 9/1997 Yasufuku et al. .... 200/536  
5,796,058 A \* 8/1998 Aimi et al. .... 200/16 D  
5,973,284 A \* 10/1999 Takenaka et al. .... 200/532  
6,054,663 A \* 4/2000 Cranick et al. .... 200/338  
6,113,440 A \* 9/2000 Fijten et al. .... 439/862  
6,207,910 B1 \* 3/2001 Harvey et al. .... 200/51.12  
6,222,144 B1 \* 4/2001 Nishikawa ..... 200/537  
D472,883 S \* 4/2003 Harvey ..... D13/173  
6,861,604 B2 \* 3/2005 McSwiggen ..... 200/520

(Continued)

*Primary Examiner* — Selina Sikder

(74) *Attorney, Agent, or Firm* — Harness, Dickey & Pierce,  
P.L.C.

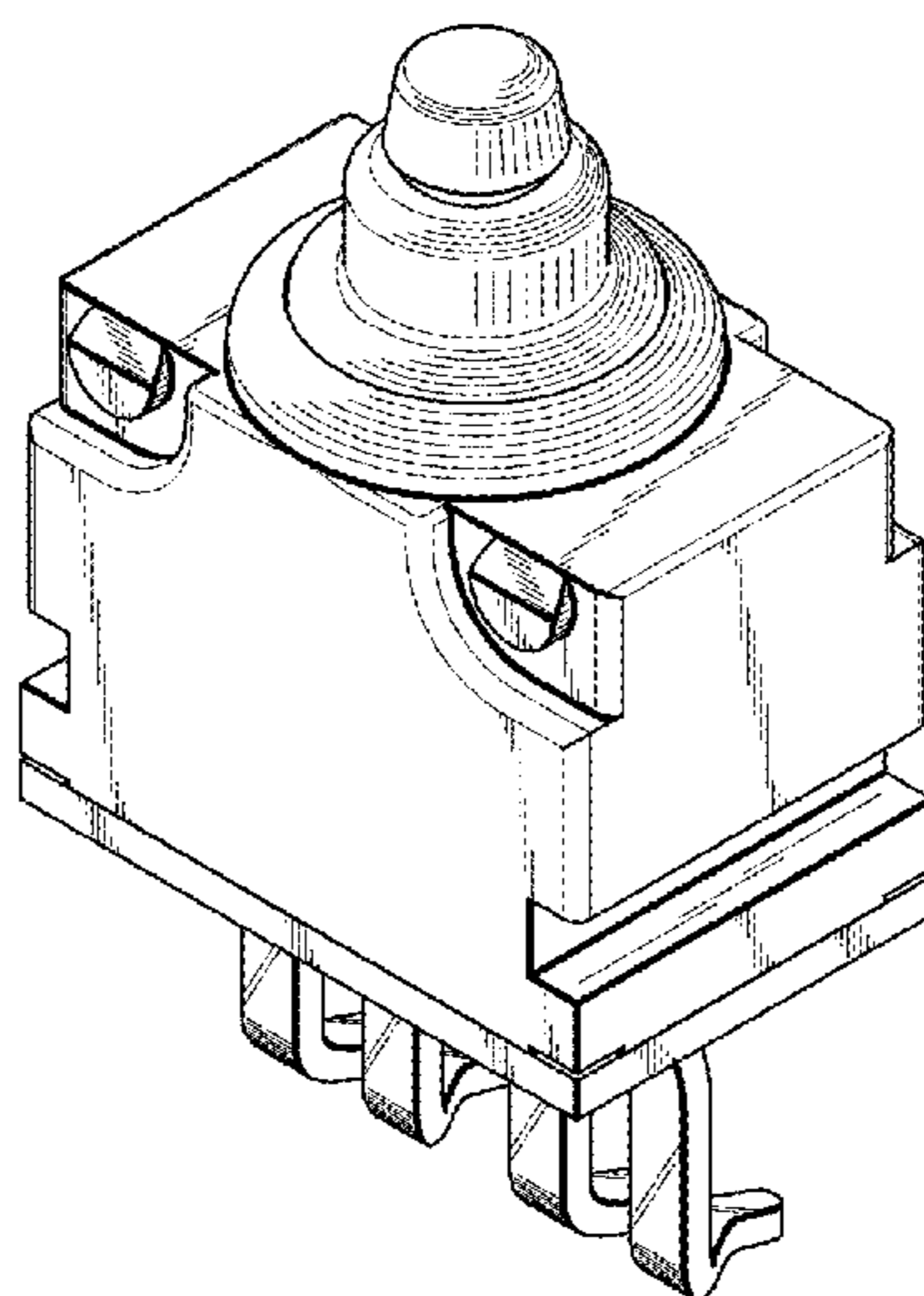
(57) **CLAIM**

The ornamental design for a push switch, as shown and described.

**DESCRIPTION**

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

**1 Claim, 2 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

6,884,952	B2 *	4/2005	Mauroux et al. ....	200/251	8,878,084	B2 *	11/2014	Urakami .....	200/239
7,067,751	B2 *	6/2006	Nishimura et al. ....	200/293	8,916,784	B2 *	12/2014	Chuang .....	200/5 R
7,180,025	B2 *	2/2007	Kuwana et al. ....	200/520	2005/0112960	A1 *	5/2005	Du et al. ....	439/862
7,202,432	B2 *	4/2007	Nishimura .....	200/563	2006/0243576	A1 *	11/2006	Kuwana et al. ....	200/329
7,235,754	B2 *	6/2007	Rochon et al. ....	200/406	2010/0184334	A1 *	7/2010	Ma .....	439/626
D558,155	S *	12/2007	Michaud et al. ....	D13/177	2010/0219052	A1 *	9/2010	Hallet .....	200/61.54
					2013/0199907	A1 *	8/2013	Sugihara et al. ....	200/296
					2013/0256104	A1 *	10/2013	Fujita et al. ....	200/252
					2015/0041294	A1 *	2/2015	Lee .....	200/293

\* cited by examiner

Fig. 1

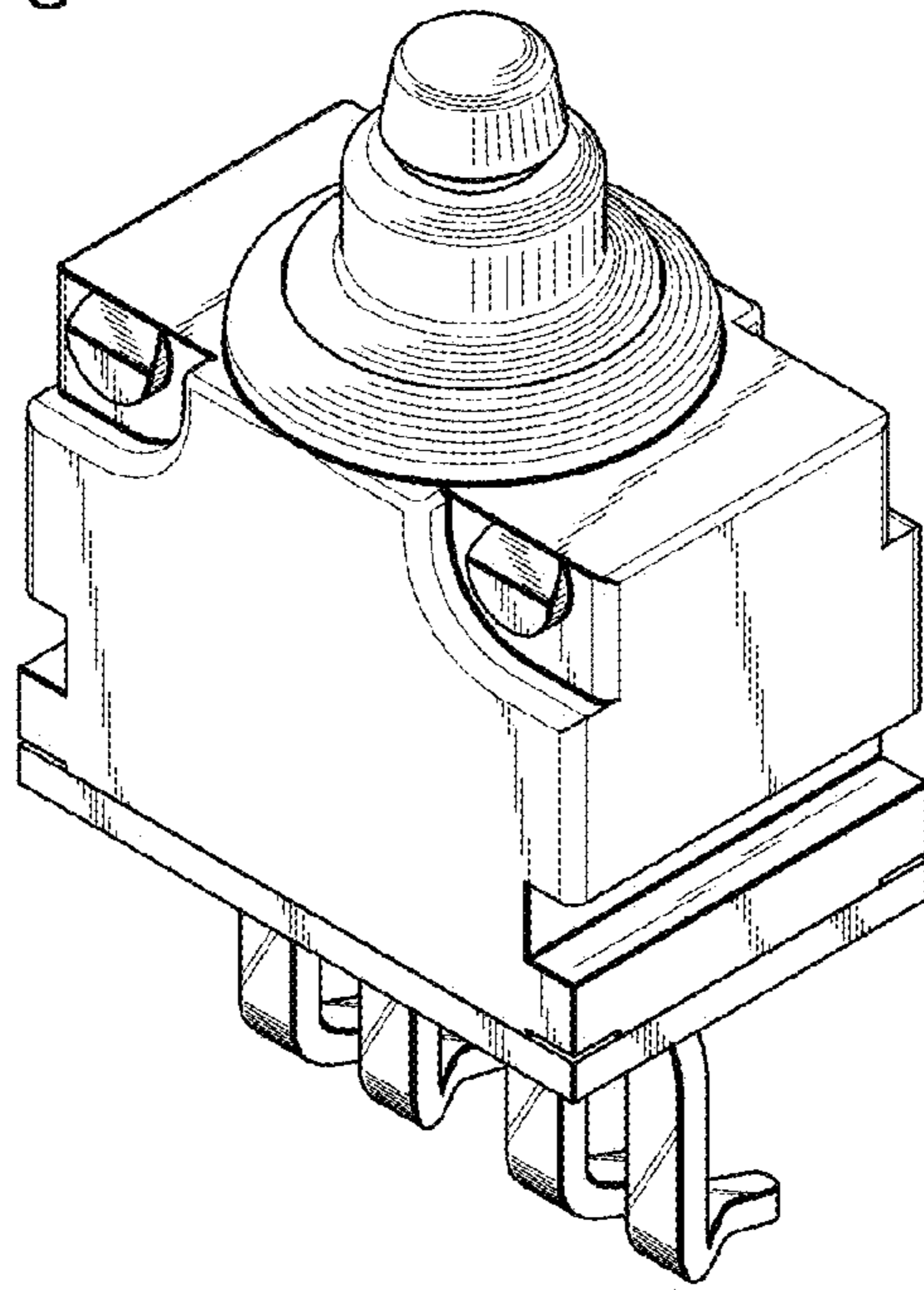


Fig. 2

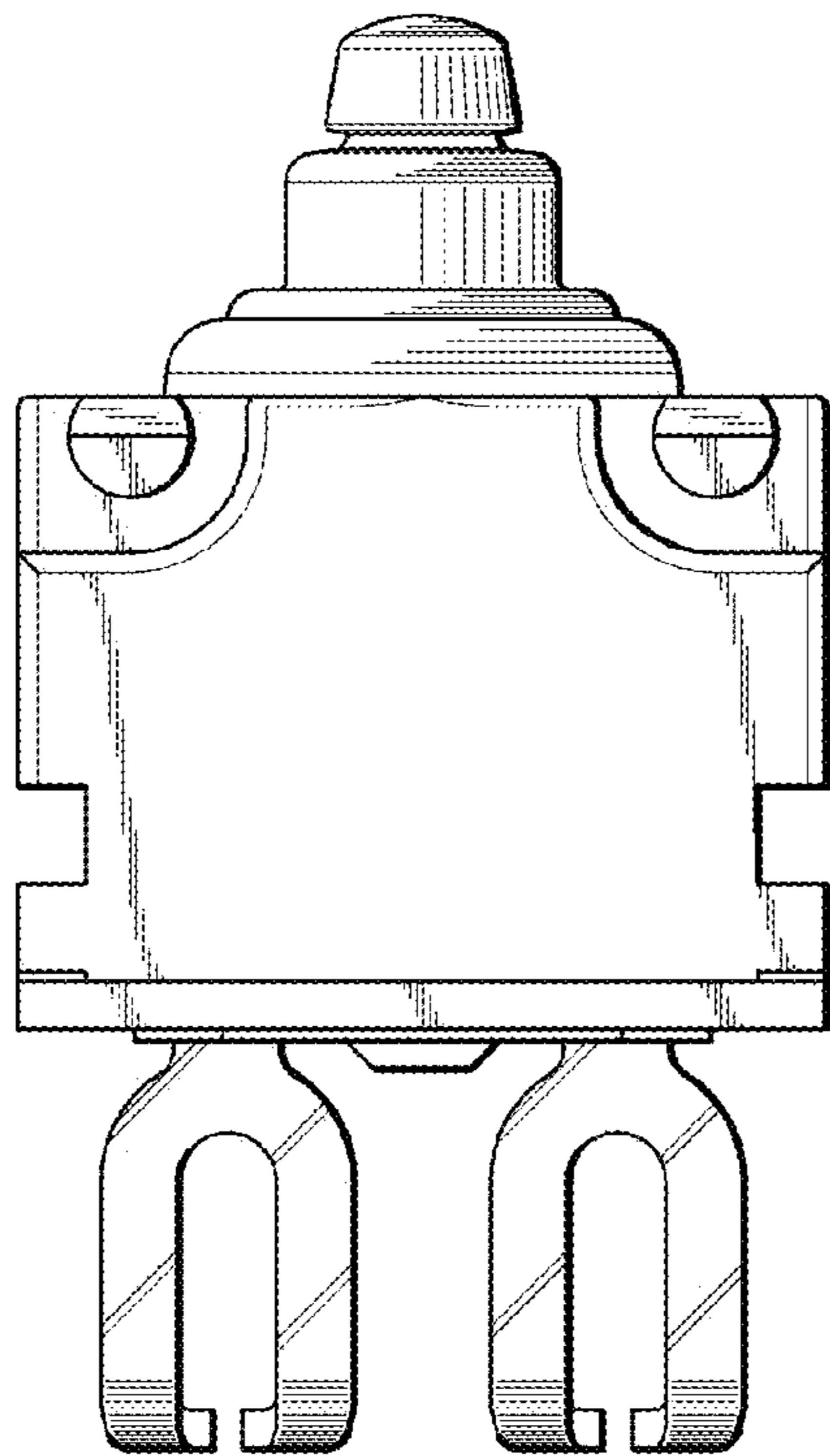


Fig. 3

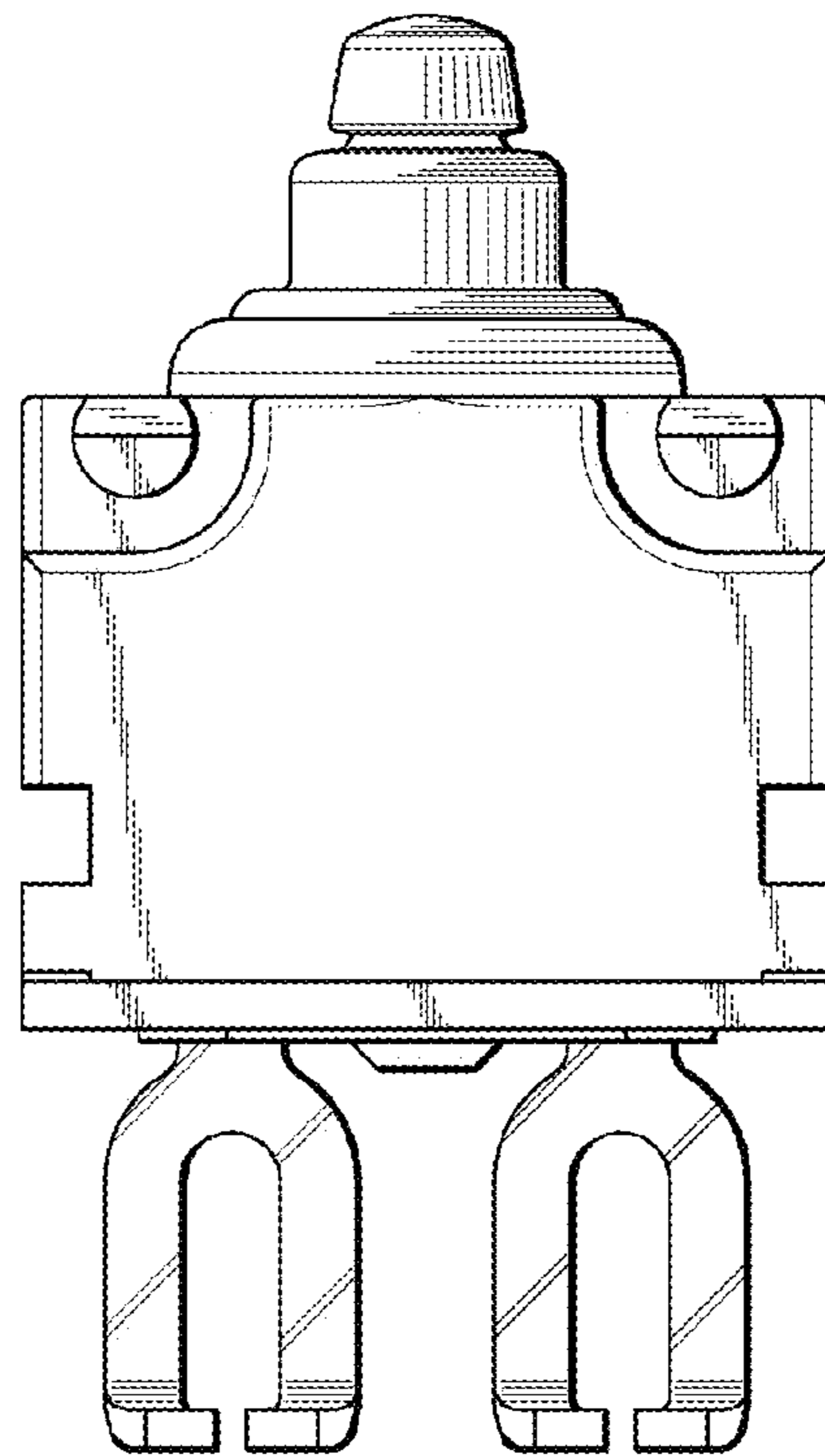


Fig. 4

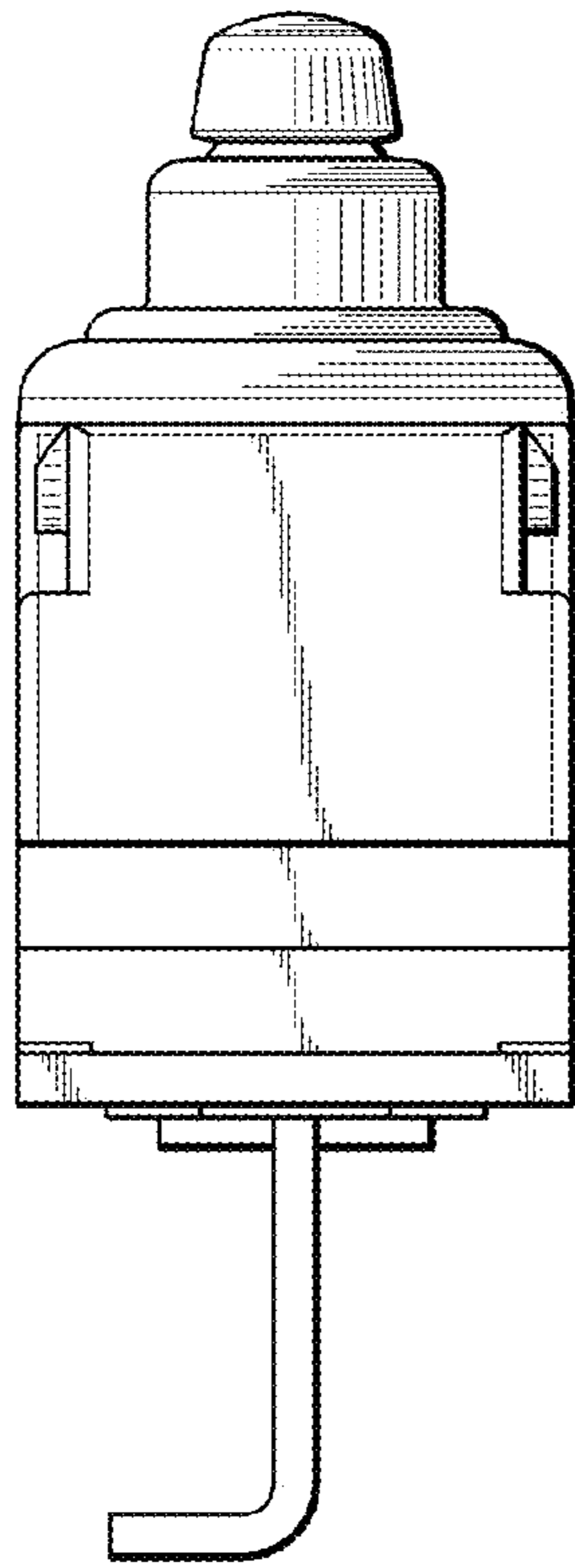


Fig. 5

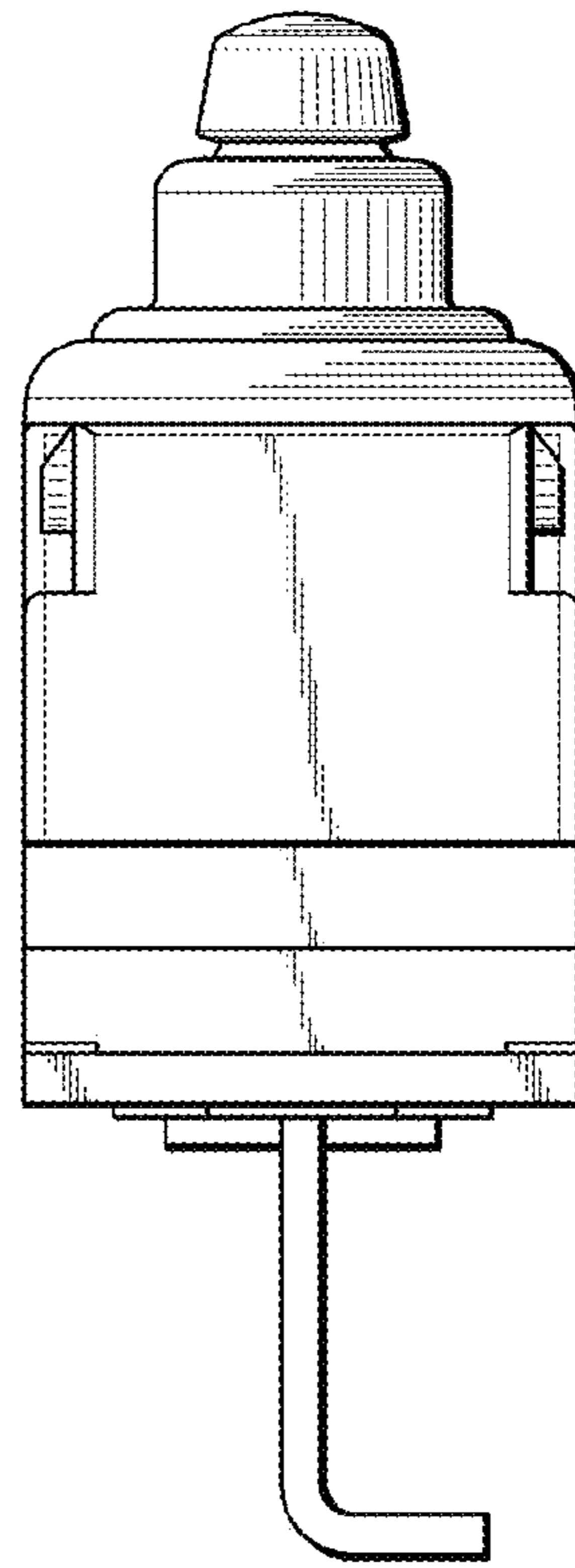


Fig. 6

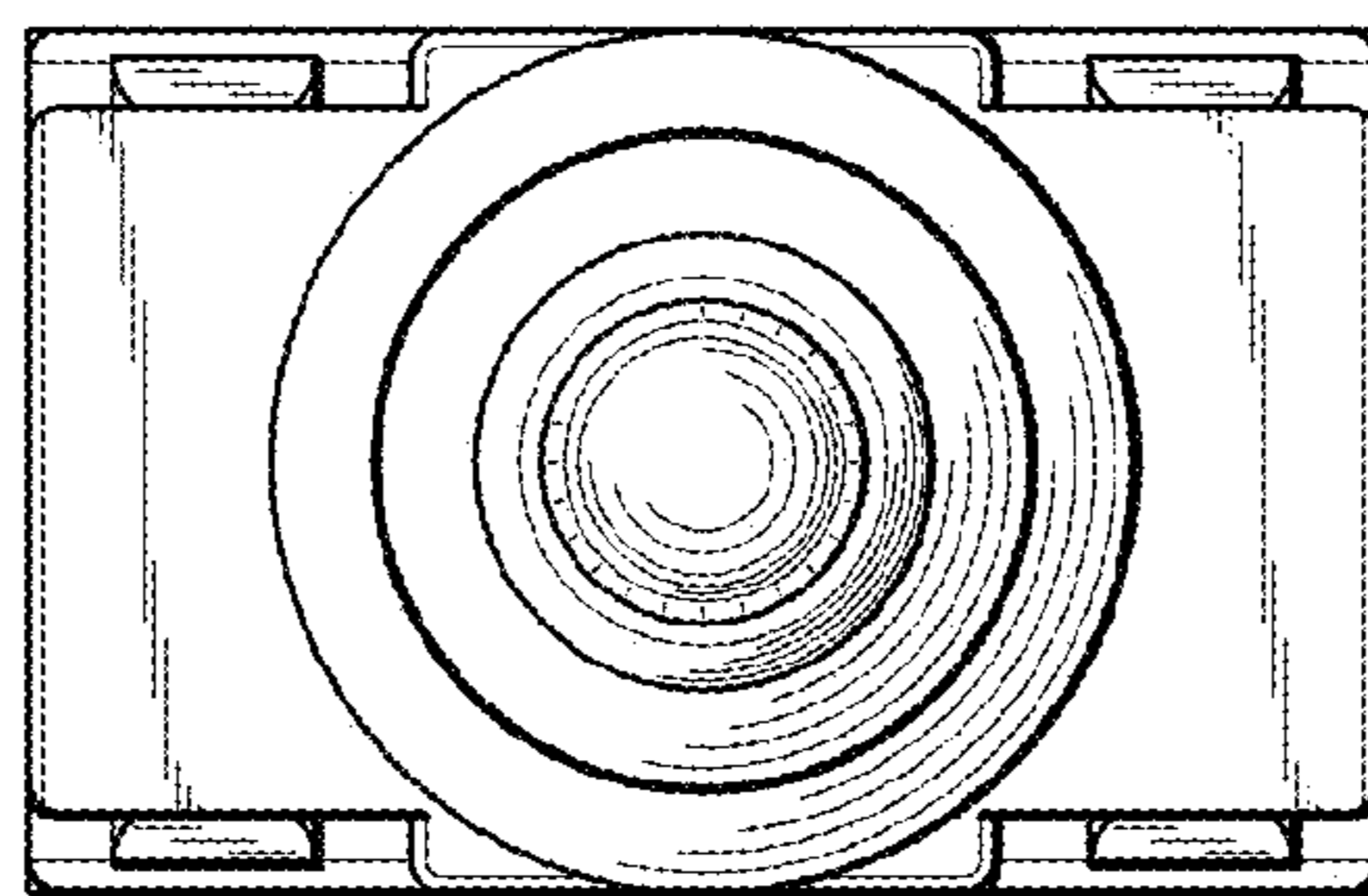


Fig. 7

