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

(10) **Patent No.:** **US D436,818 S**

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(54) **IMPACT WRENCH**

FOREIGN PATENT DOCUMENTS

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0849052A2 6/1998 (EP) .

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OTHER PUBLICATIONS

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

(21) Appl. No.: **29/124,033**

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Ingersoll-Rand publication entitled, "Ingersoll-Rand Automotive Power Tools Catalog," 1996, pp. 1, 8-9, 11-17, 23 and 41.

Mermaid Distributors publication entitled, "Shinano Pneumatic Ind. Inc.," published at least as early as Jan. 26, 2000. Coventrys publication entitled, "Coventrys SP Air," Sep. 1994.

SP Air Corporation publication entitled, "1/2 [inch] Square Drive Impact Wrenches," published at least as early as Jan. 26, 2000.

Shinano Pneumatic Industries Inc. publication entitled, "SP Air," published at least as early as Jan. 26, 2000.

Shinano Pneumatic Industries Inc. publication entitled, "SP Pneumatic Tools," published at least as early as Jan. 26, 2000, pp. 1-2, 7-12 and 15.

Burson Auto Parts publication entitled, "Burson Auto Parts SP Air," 1994.

Viking Air Tools untitled publication, Aug. 1990.

Related U.S. Application Data

(63) Continuation-in-part of application No. 29/117,546, filed on Jan. 26, 2000.

(51) **LOC (7) Cl.** **08-05**

(52) **U.S. Cl.** **D8/68**

(58) **Field of Search** D8/68; 81/54, 81/57.13, 57.14, 177.1; 173/169, 170

(56) **References Cited**

U.S. PATENT DOCUMENTS

- Re. 35,617 9/1997 Krivec .
- D. 205,091 6/1966 Averitt .
- D. 223,134 * 3/1972 Bunyea D8/61
- D. 256,771 9/1980 Kitagawa et al. .
- D. 256,980 9/1980 Adams et al. .
- D. 288,769 3/1987 Doman .
- D. 288,770 3/1987 Doman .
- D. 289,136 4/1987 Doman .
- D. 294,001 * 2/1988 Greenlee et al. D8/61
- D. 299,411 1/1989 Porcaro .
- D. 313,736 1/1991 Boliver et al. .
- D. 316,019 4/1991 Belanger .
- D. 319,763 9/1991 Reiferscheid .
- D. 324,801 3/1992 Caskey et al. .
- D. 324,802 3/1992 Caskey et al. .
- D. 327,830 7/1992 Fisher .
- D. 329,580 9/1992 Sasaki et al. .
- D. 344,000 2/1994 Shibata et al. .

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(57) **CLAIM**

The ornamental design for an impact wrench, as shown and described.

DESCRIPTION

FIG. 1 is a right side elevational view of an impact wrench of the present invention, the left side elevational view being a mirror image thereof;

FIG. 2 is a front elevational view of the wrench;

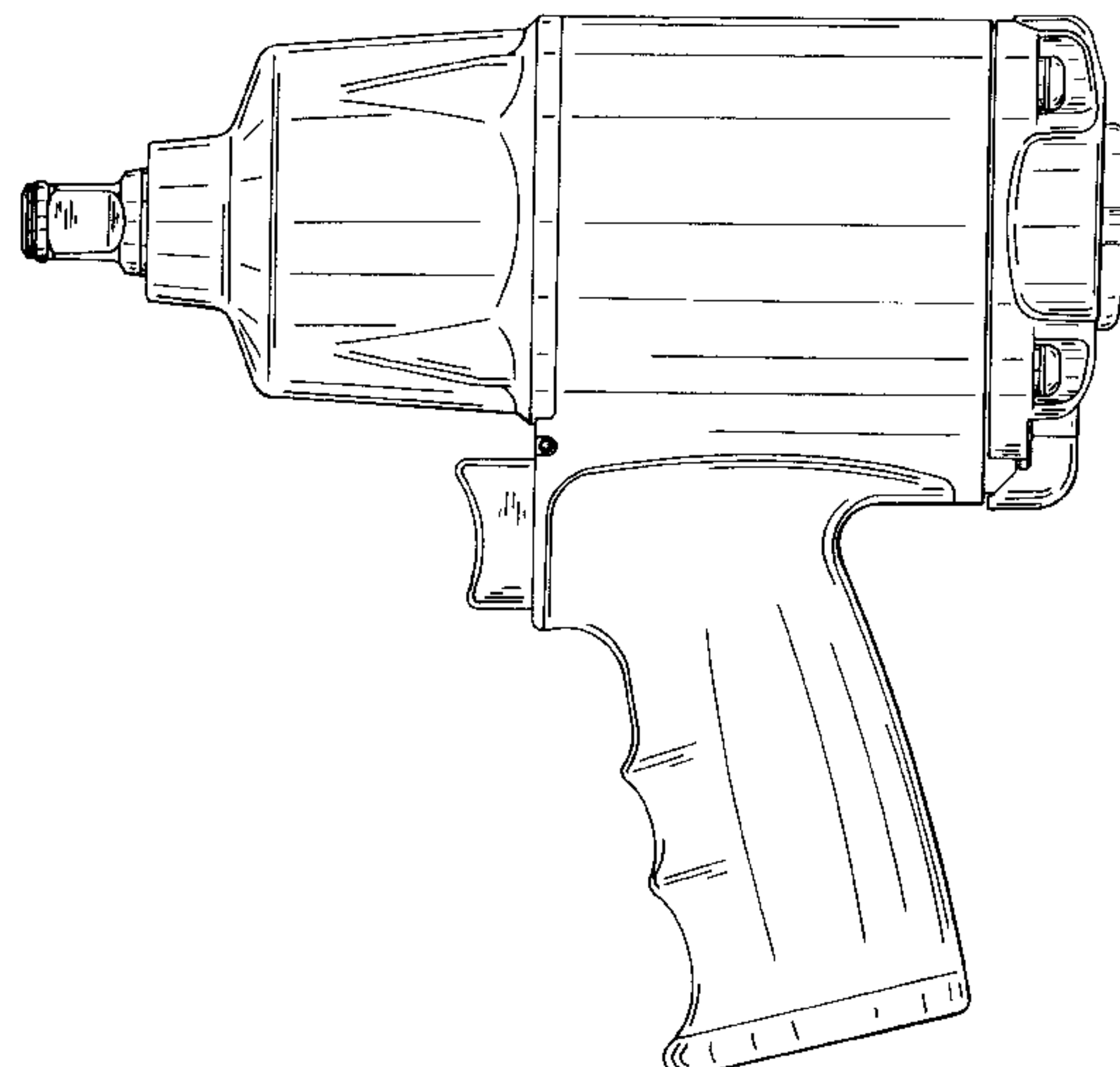
FIG. 3 is a rear elevational view of the wrench;

FIG. 4 is a top plan view of the wrench; and,

FIG. 5 is a bottom plan view of the wrench.

(List continued on next page.)

1 Claim, 3 Drawing Sheets



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U.S. PATENT DOCUMENTS					
			3,833,068	9/1974	Hall .
			3,880,245	4/1975	Anderson, Jr. .
D. 360,129	7/1995	Guegan et al. .	3,924,961	* 12/1975	Hess et al. 173/169 X
D. 364,544	11/1995	Izumisawa .	3,951,217	4/1976	Wallace et al. .
D. 388,678	1/1998	Bantly et al. .	4,379,492	4/1983	Hiraoka .
D. 393,580	4/1998	Bantly et al. .	4,778,015	10/1988	Jacobsson .
D. 394,995	6/1998	Cooper .	5,083,619	1/1992	Giardino et al. .
D. 400,074	10/1998	Cooper .	5,199,505	4/1993	Izumisawa .
D. 403,564	1/1999	Izumisawa .	5,269,733	12/1993	Anthony, III .
D. 410,830	* 6/1999	Pusateri et al. D8/61	5,377,769	1/1995	Hasuo et al. .
2,829,285	4/1958	Steiner et al. .	5,918,686	7/1999	Izumisawa .
3,352,368	11/1967	Maffey, Jr. .	6,062,323	* 5/2000	Pusateri et al. 173/169
3,605,914	9/1971	Kramer .			
3,661,217	5/1972	Maurer .			

* cited by examiner

FIG. 1

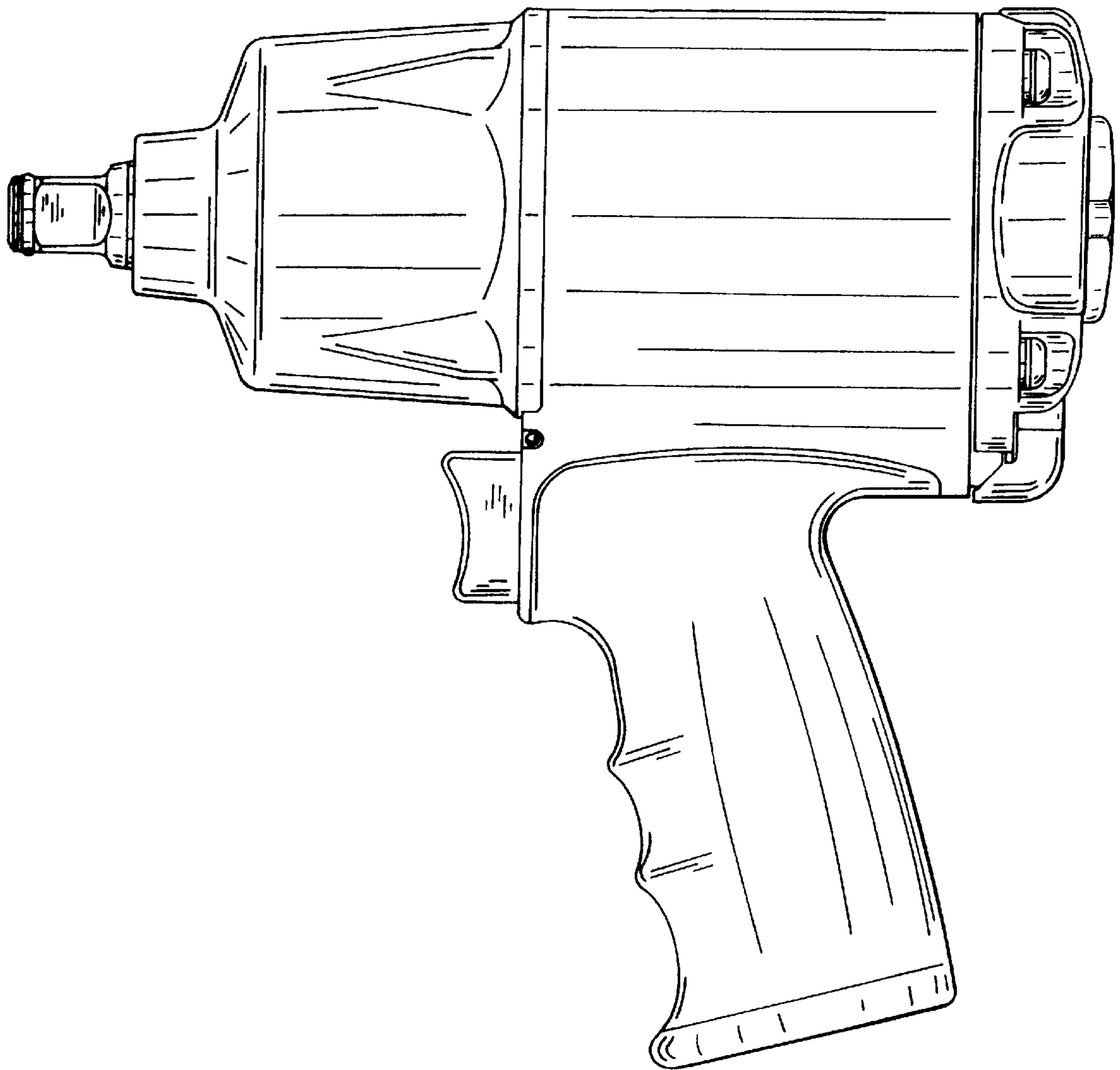


FIG. 2

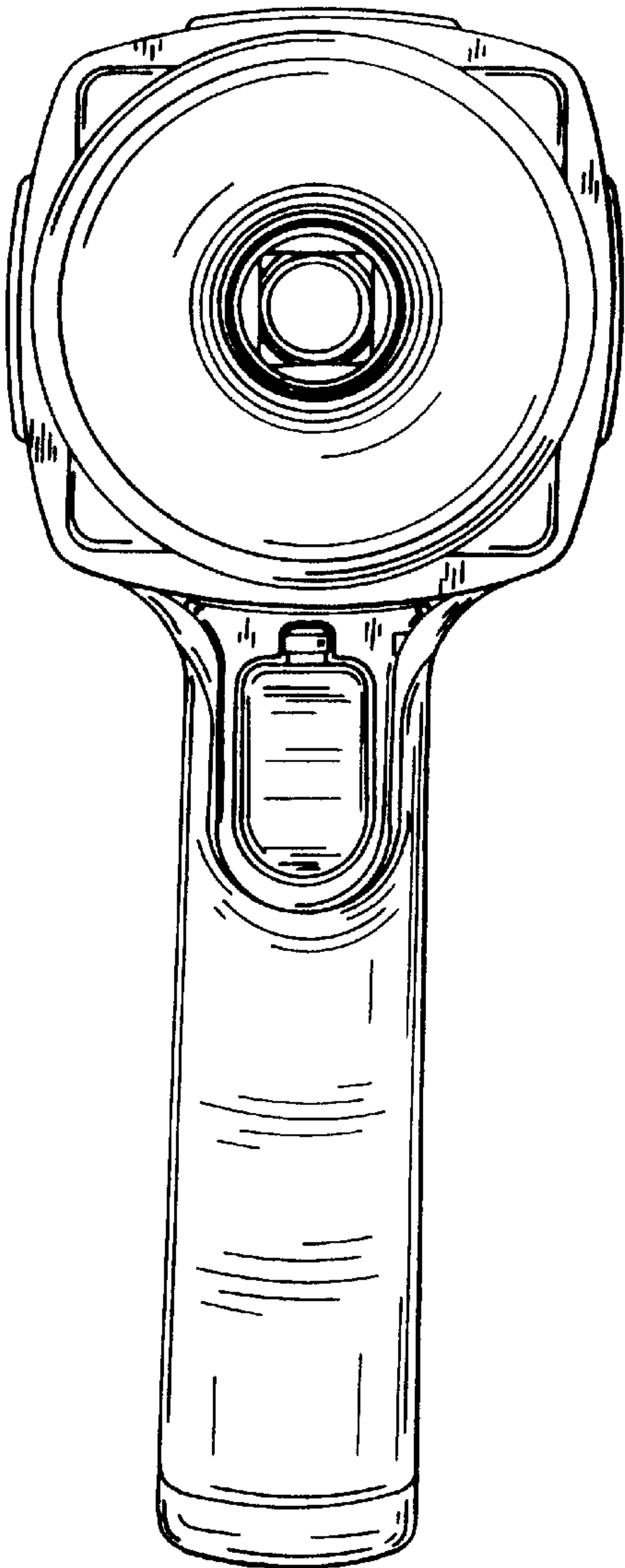


FIG. 3

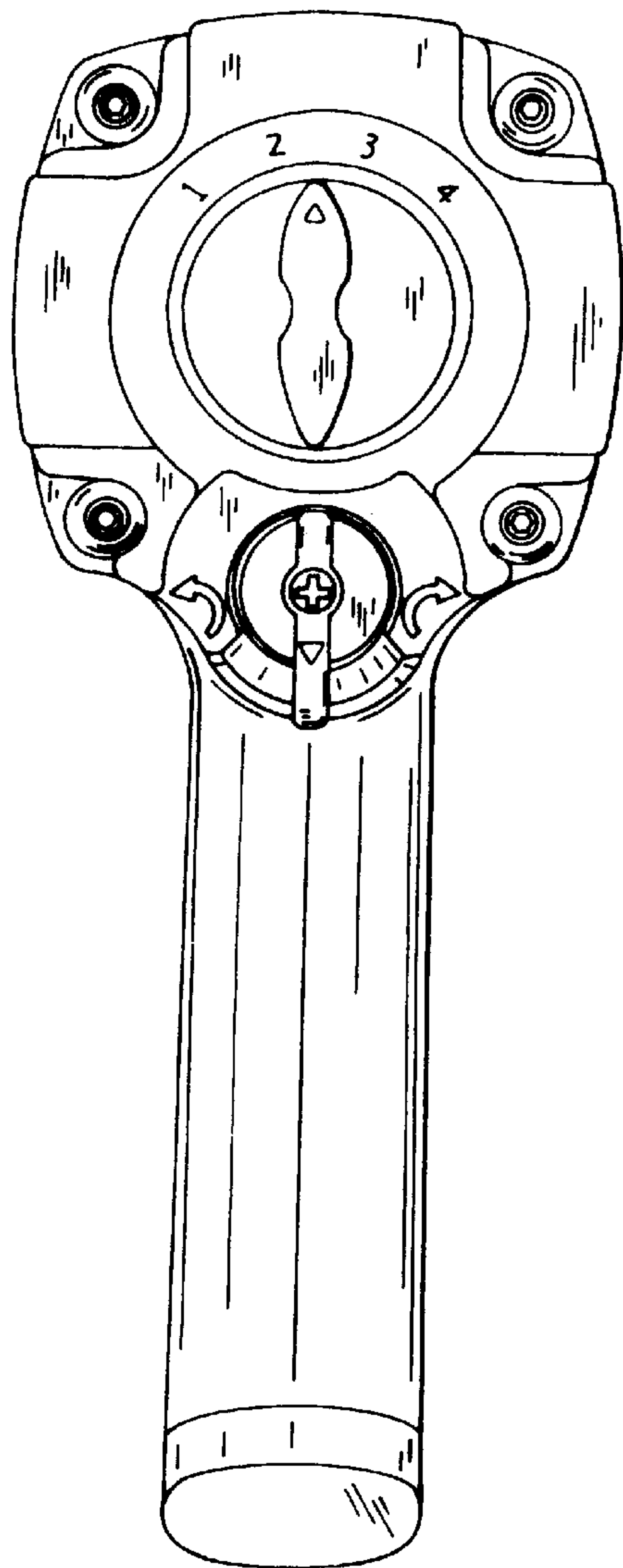


FIG. 4

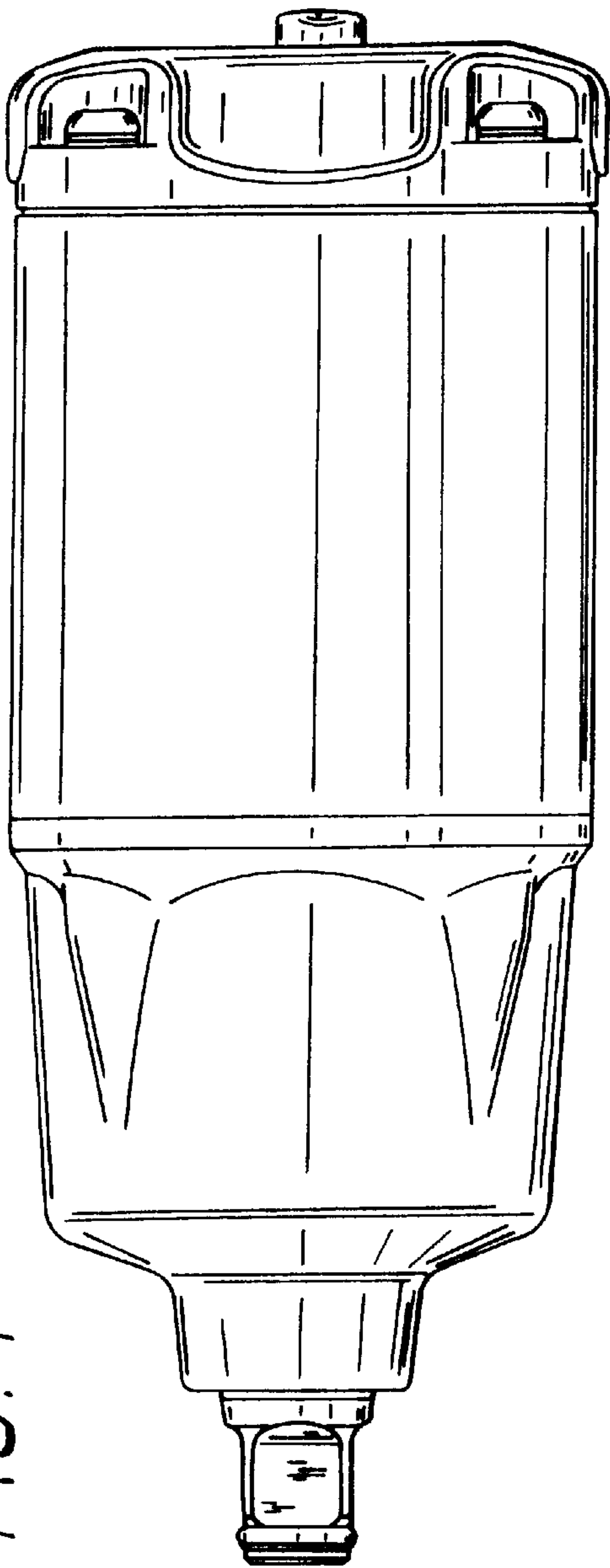


FIG. 5

