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

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(54) **PORTABLE ELECTRIC WRENCH**

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(73) Assignee: **Makita Corporation, Anjo (JP)**

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

(21) Appl. No.: **29/224,219**

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(30) **Foreign Application Priority Data**

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

(58) **Field of Classification Search** ..... D8/14.1,  
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81/429, 464, 465, 466, 469, 489; 173/13,  
173/104, 114, 168, 169, 170, 171, 178, 201,  
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408/241 R; 451/358; 310/50; 227/8, 114,  
227/120, 130, 136, 142, 132, 134, 127, 128,  
227/113

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D159,044 S \* 6/1950 Bushnell ..... D8/68  
2,727,598 A \* 12/1955 Mitchell et al. .... 173/169

2,744,176 A \* 5/1956 Kaman ..... 173/171  
D181,189 S \* 10/1957 Fegan ..... D8/68  
3,344,291 A \* 9/1967 Pratt ..... 310/50  
3,476,960 A \* 11/1969 Rees ..... 310/50  
4,991,472 A \* 2/1991 Hollingsworth ..... 81/464  
D315,855 S \* 4/1991 Fushiya et al. .... D8/68  
D340,396 S \* 10/1993 Ichikawa ..... D8/68  
D393,581 S \* 4/1998 McCallops et al. .... D8/68  
6,528,921 B1 \* 3/2003 Nakane ..... 310/50  
D476,544 S \* 7/2003 Ghode et al. .... D8/68  
6,733,414 B1 \* 5/2004 Elger ..... 173/211

\* cited by examiner

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(57) **CLAIM**

The ornamental design for a portable electric wrench, as shown and described.

**DESCRIPTION**

FIG. 1 is a front side elevational view of a portable electric wrench;

FIG. 2 is a right side elevational view thereof;

FIG. 3 is a left side elevational view thereof;

FIG. 4 is a rear side elevational view thereof;

FIG. 5 is a top plan view thereof;

FIG. 6 is a bottom plan view thereof; and,

FIG. 7 is a perspective view thereof.

**1 Claim, 7 Drawing Sheets**

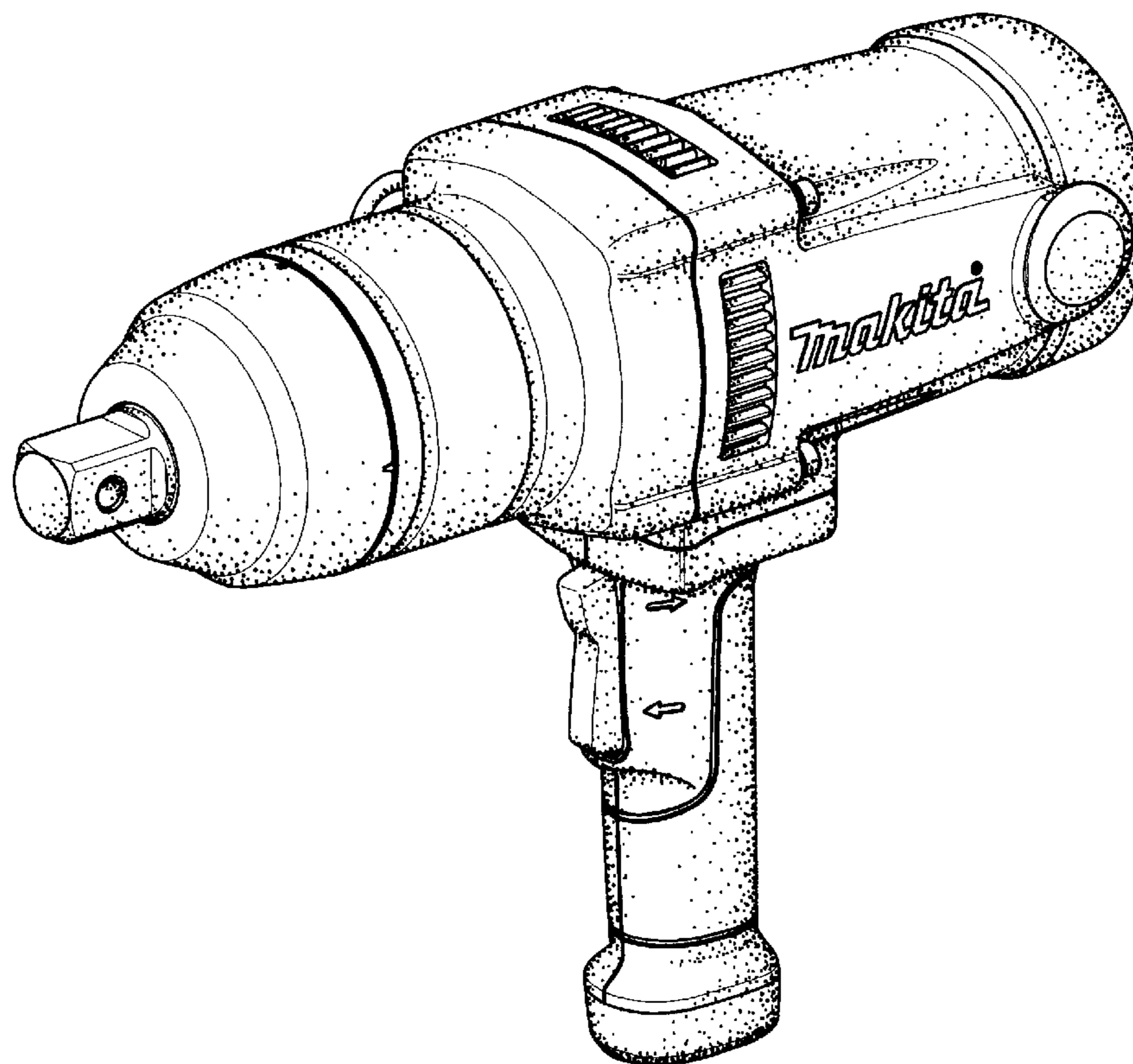


FIG. 1

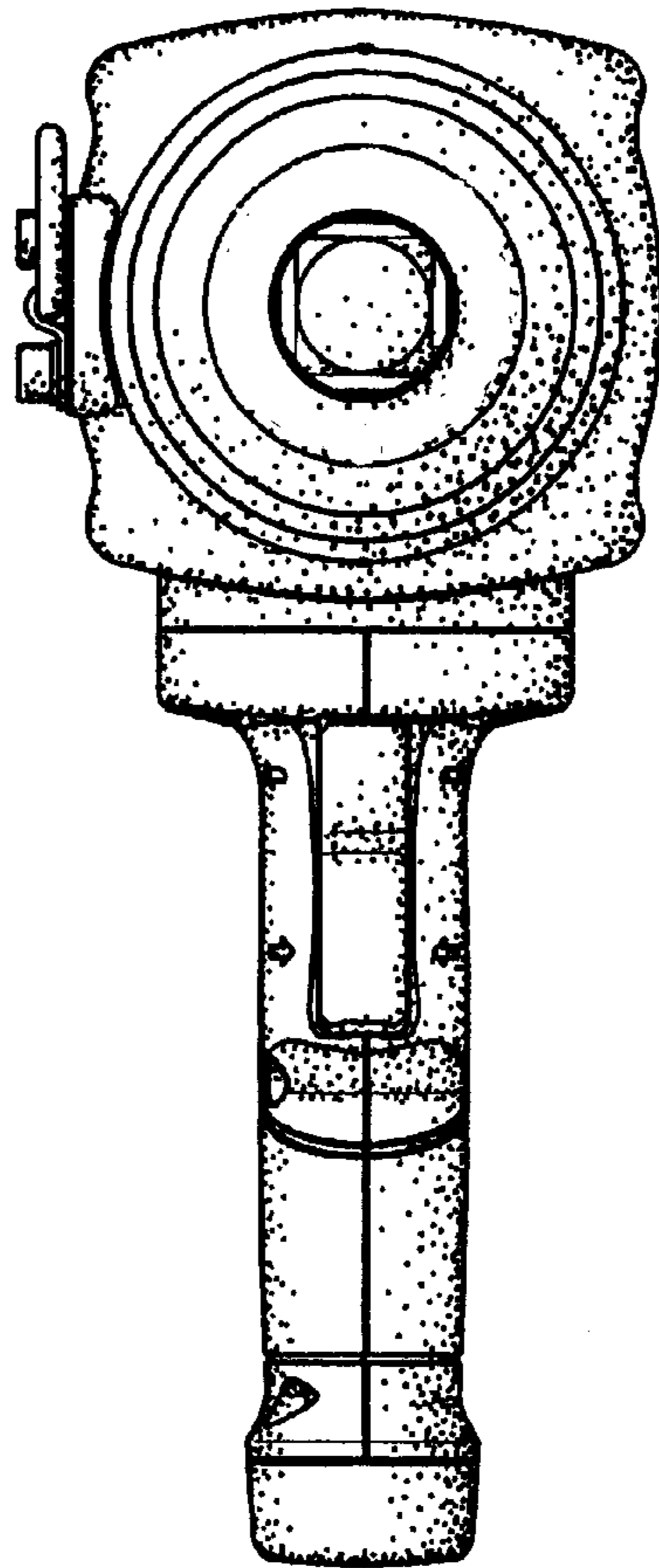


FIG. 2

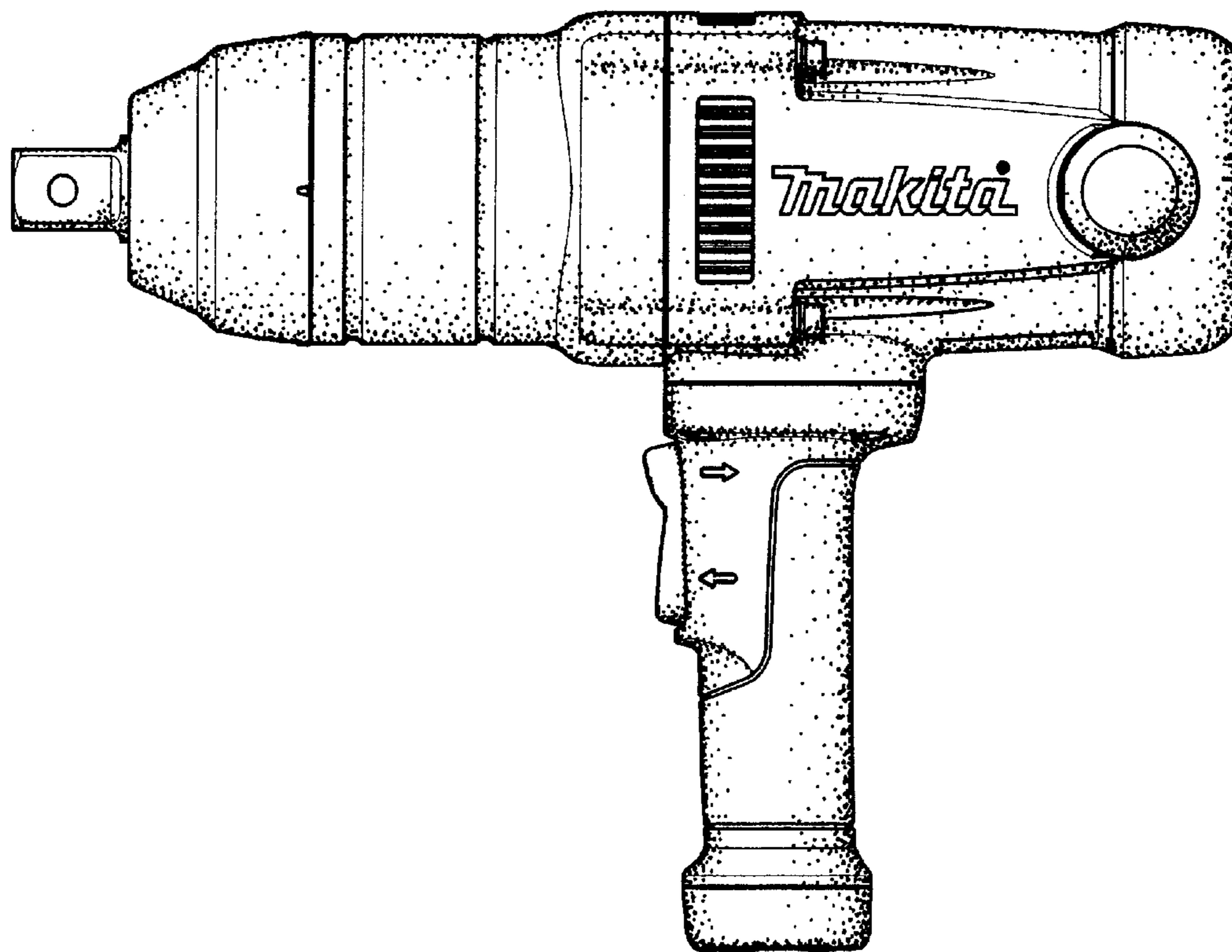


FIG. 3

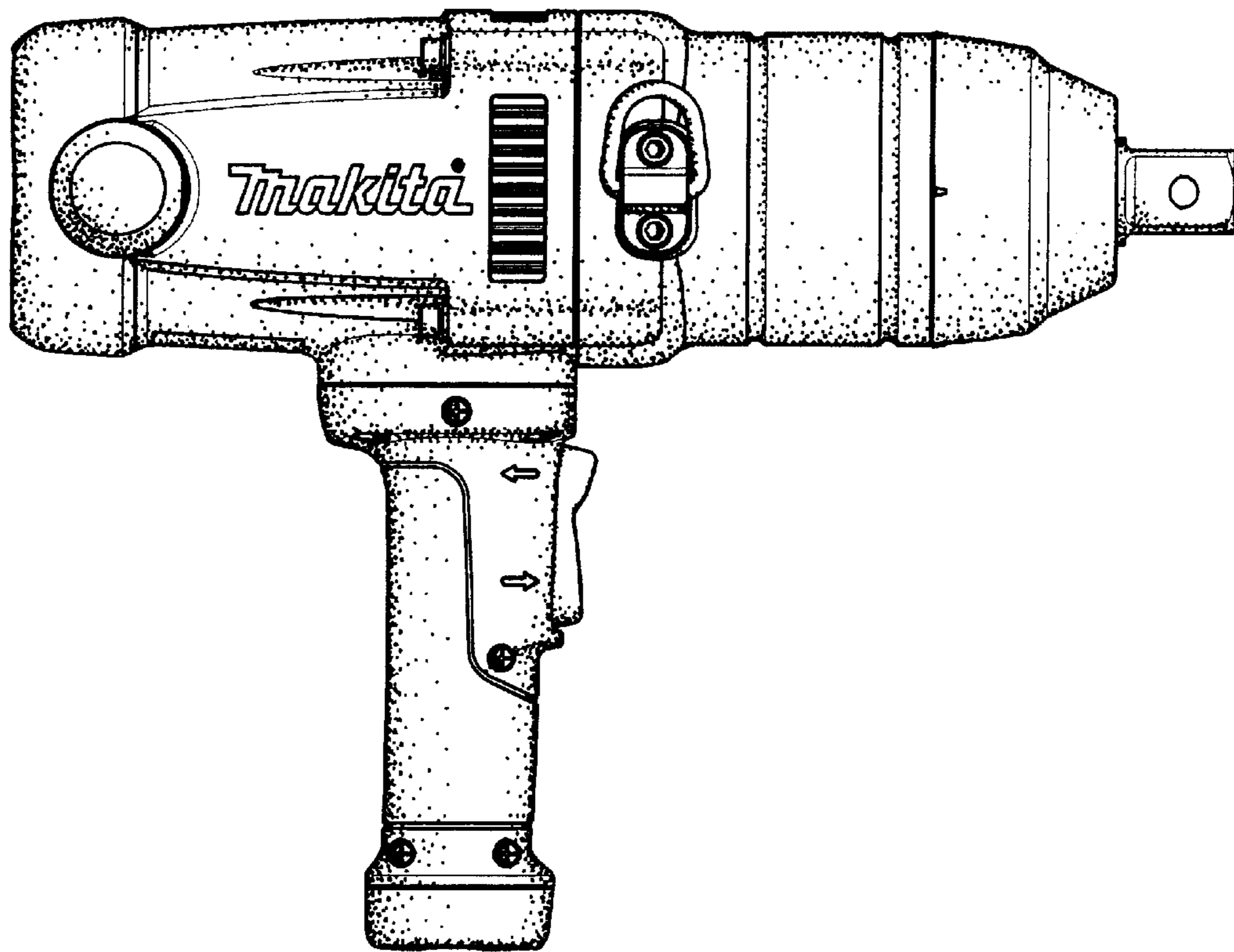


FIG. 4

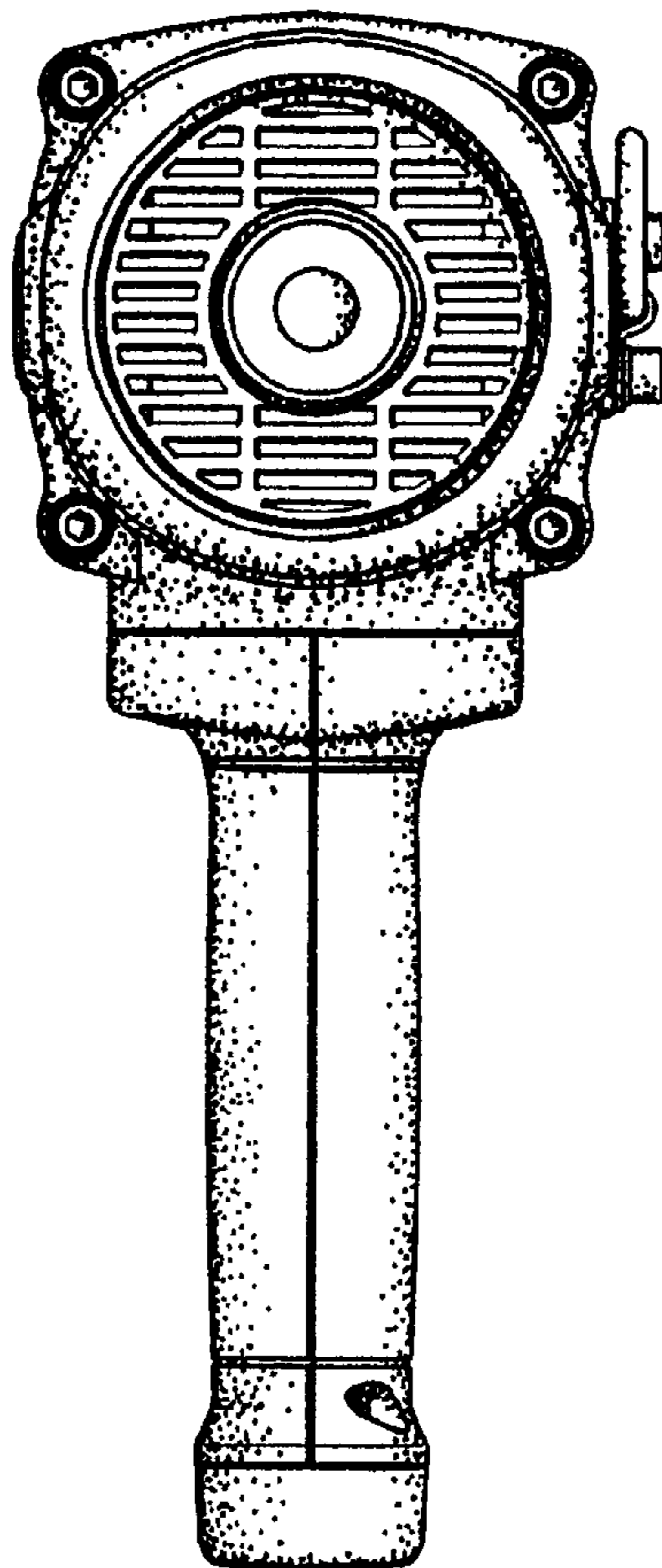


FIG. 5

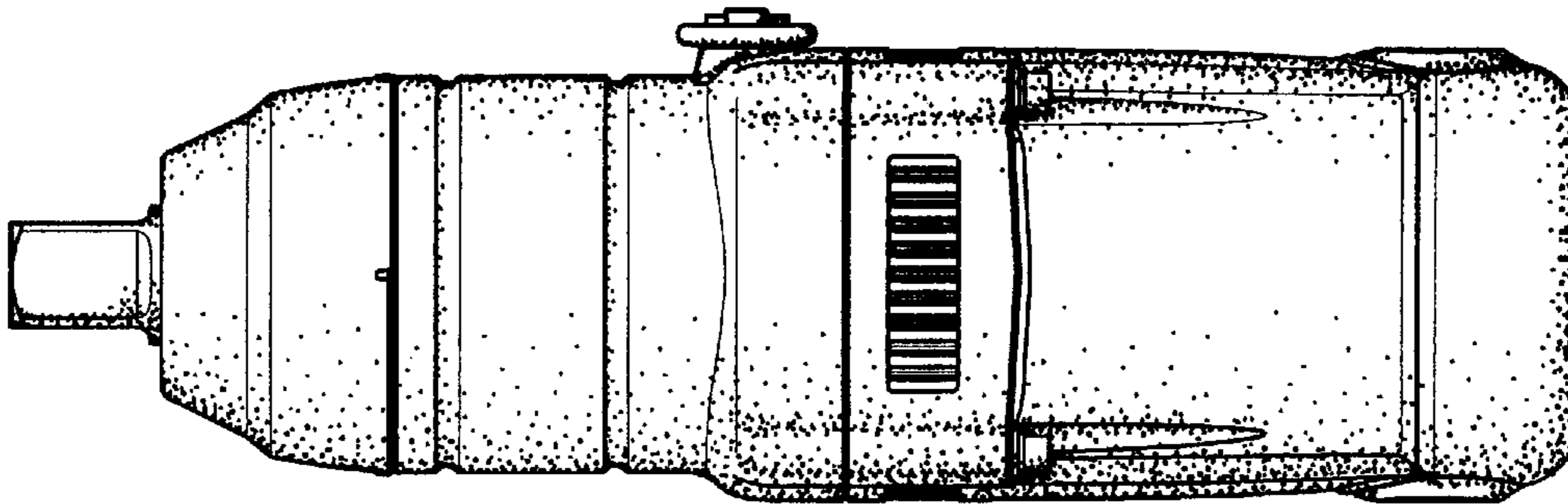


FIG. 6

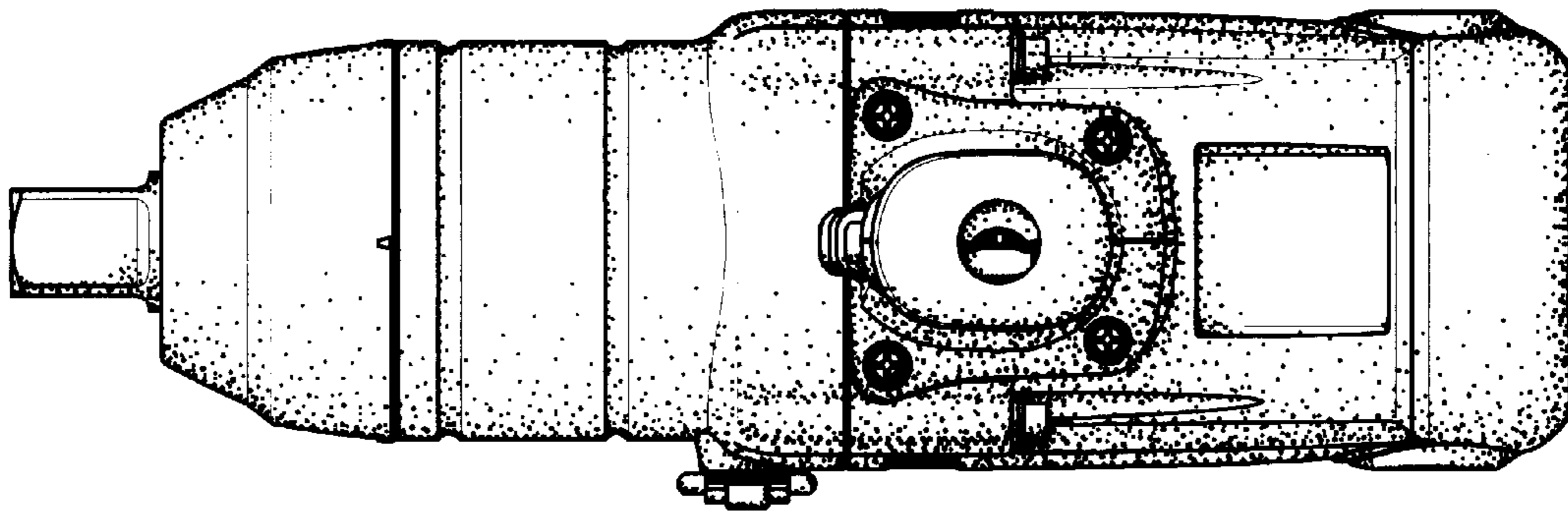


FIG. 7

