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(12) **United States Design Patent**  
**Shiota et al.**

(10) **Patent No.:** **US D606,831 S**  
(45) **Date of Patent:** **\*\* Dec. 29, 2009**

(54) **BOLT OR NUT TIGHTENING DEVICE**

(75) Inventors: **Ken-ichi Shiota**, Nara (JP); **Yasunobu Kaneyama**, Osaka (JP)

(73) Assignee: **Maeda Metal Industries, Ltd.**, Osaka (JP)

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

(21) Appl. No.: **29/313,846**

(22) Filed: **Feb. 13, 2009**

(30) **Foreign Application Priority Data**

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(51) **LOC (9) Cl.** ..... **08-05**

(52) **U.S. Cl.** ..... **D8/69**

(58) **Field of Classification Search** ..... D8/61-70;  
81/57.11, 429, 454-456, 469, 489; 173/13,  
173/104, 114, 167-171, 178, 201, 211, 213,  
173/217, 198; 227/8, 113, 114, 120, 130,  
227/136, 142; 310/50; 408/20, 124, 125,  
408/234, 241 R, 58, 67; 451/358

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- 5,953,965 A \* 9/1999 Kaneyama et al. .... 81/55
- 6,053,080 A \* 4/2000 Kaneyama et al. .... 81/469
- D569,207 S \* 5/2008 Torigai et al. .... D8/69
- D586,640 S \* 2/2009 Torigai et al. .... D8/69
- 2002/0162421 A1 \* 11/2002 Galat ..... 81/57.13

\* cited by examiner

*Primary Examiner*—Antoine D Davis

(74) *Attorney, Agent, or Firm*—Eckert Seamans Cherin & Mellott, LLC; Kirk D. Houser, Esq.

(57) **CLAIM**

The ornamental design for bolt or nut tightening device, substantially as shown and described.

**DESCRIPTION**

The file of this patent contains at least one drawing/photograph executed in color. Copies of this patent with color drawing(s)/photograph(s) will be provided by the Office upon request and payment of the necessary fee. Any surface ornamentation, logos, written matter, etc form no part of the claimed design.

FIG. 1 is a front elevational view of a bolt or nut tightening device of the present design;

FIG. 2 is a rear elevational view thereof;

FIG. 3 is a left side view thereof;

FIG. 4 is a right side view thereof;

FIG. 5 is a top plan view thereof;

FIG. 6 is a bottom plan view thereof;

FIG. 7 is a first perspective view thereof, as seen from diagonally left downward of the socket attached side;

FIG. 8 is a second perspective view thereof, as seen from diagonally right downward of the socket attached side;

FIG. 9 is a third perspective view thereof, as seen from diagonally left upward of a handle side;

FIG. 10 is a fourth perspective view thereof, as seen from diagonally right upward of a handle side;

FIG. 11 is a fifth perspective view thereof, with a reaction force receiver and the socket being attached.

**1 Claim, 5 Drawing Sheets**  
**(5 of 5 Drawing Sheet(s) Filed in Color)**



FIG. 1

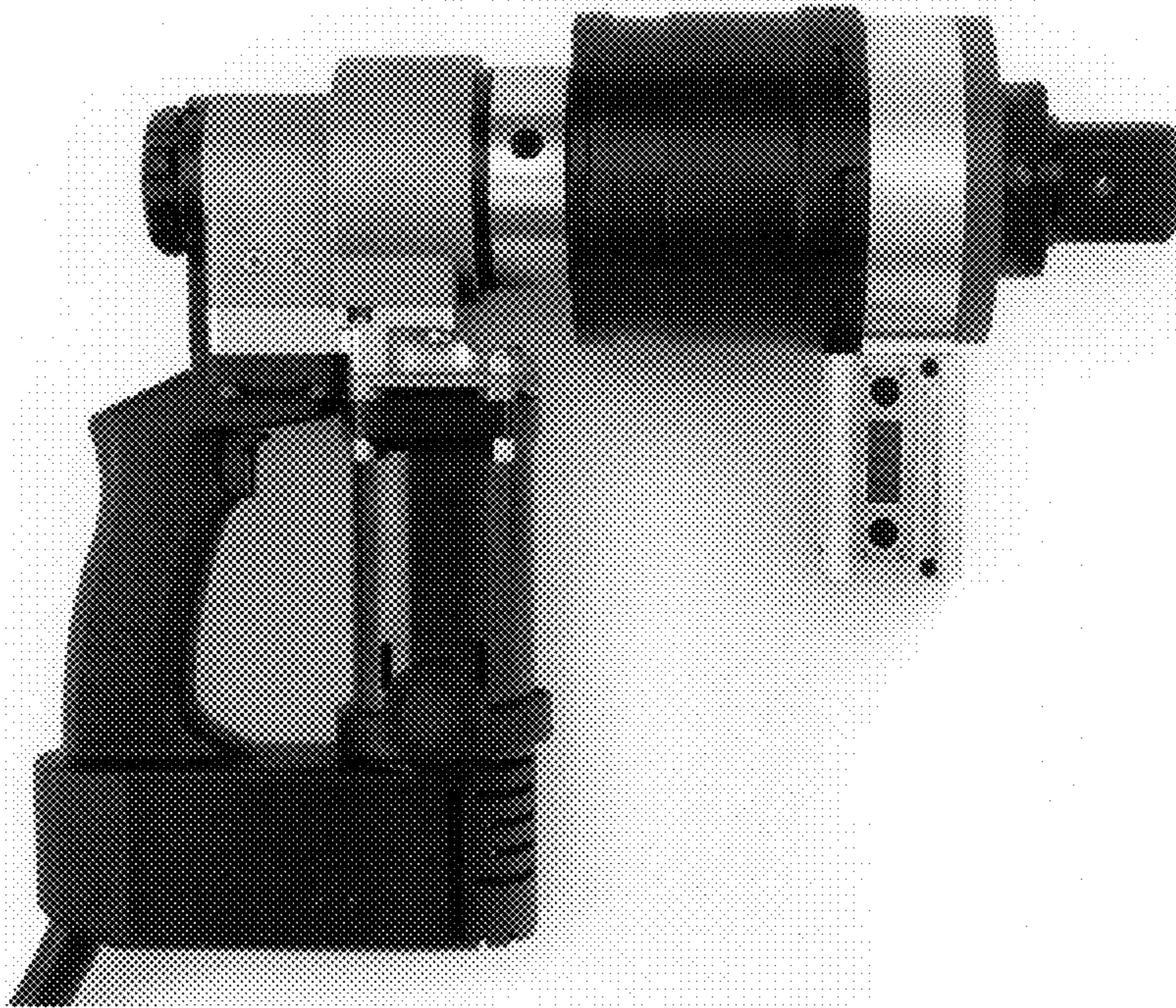


FIG. 2

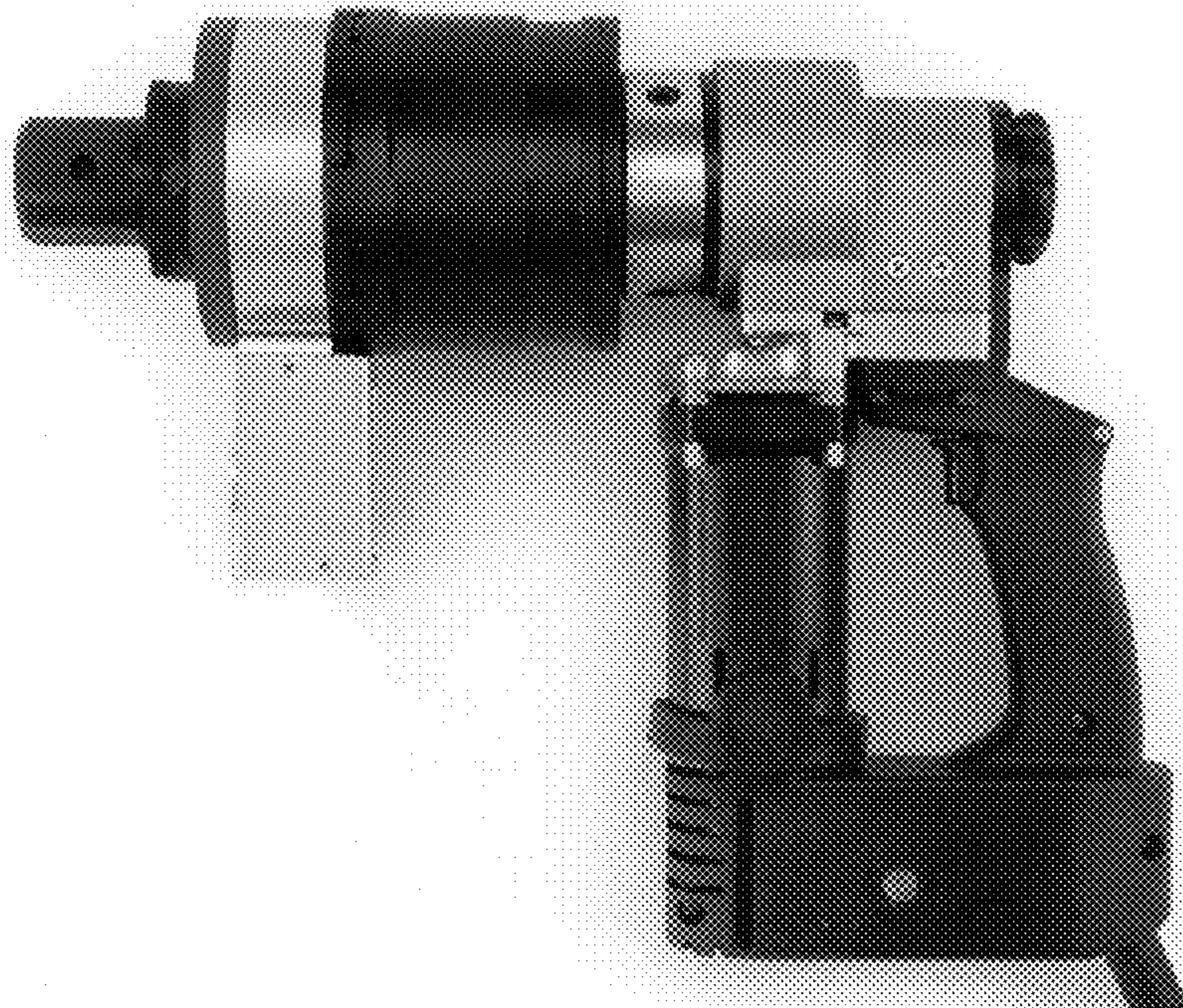


FIG. 3

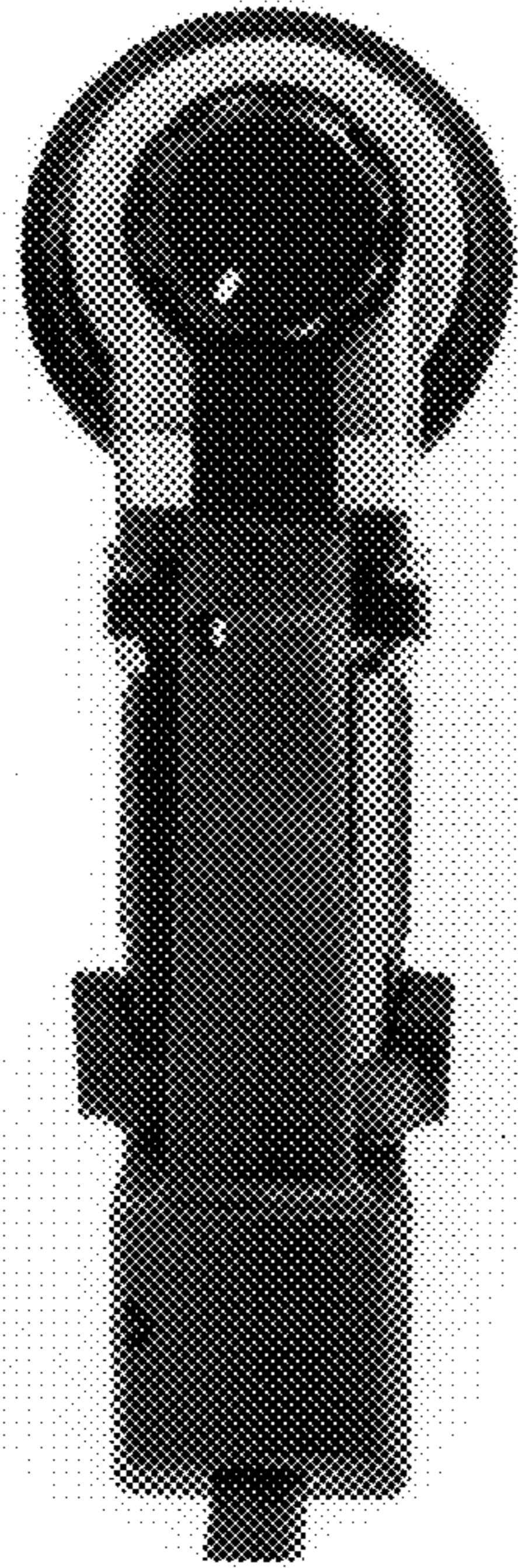


FIG. 4

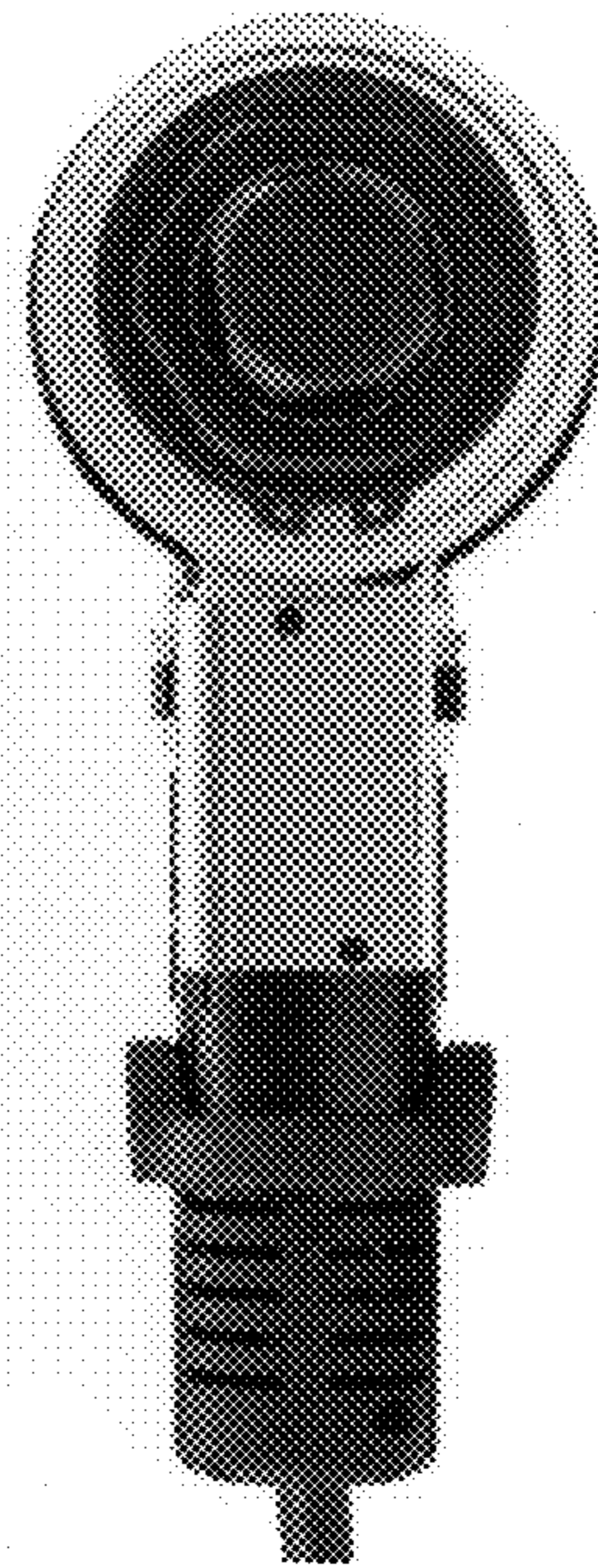


FIG. 5

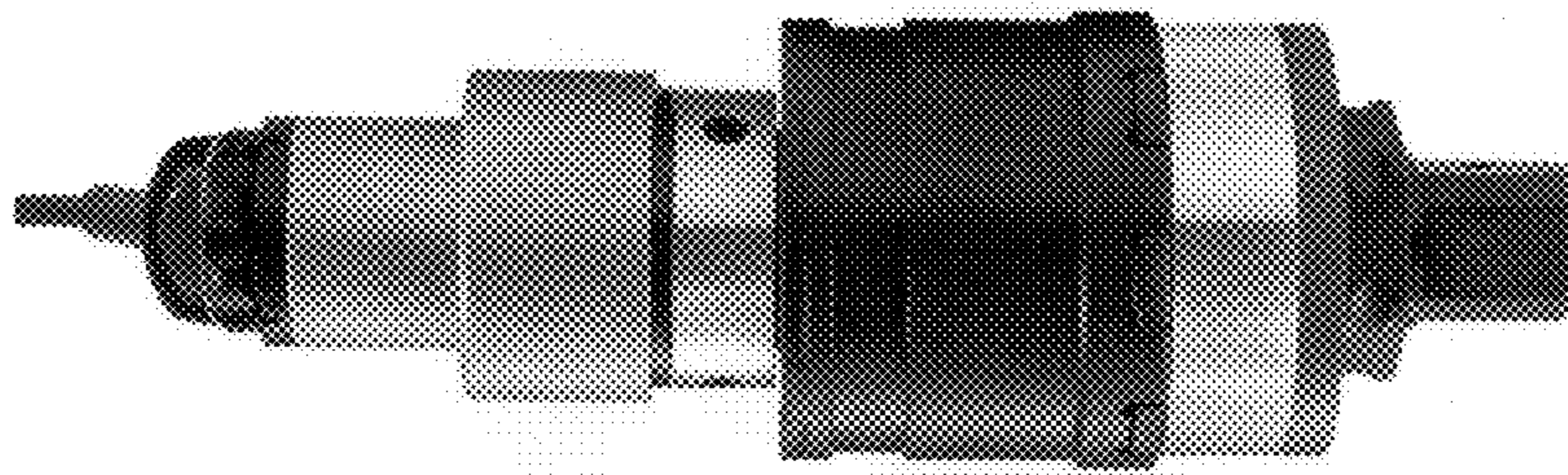


FIG. 6

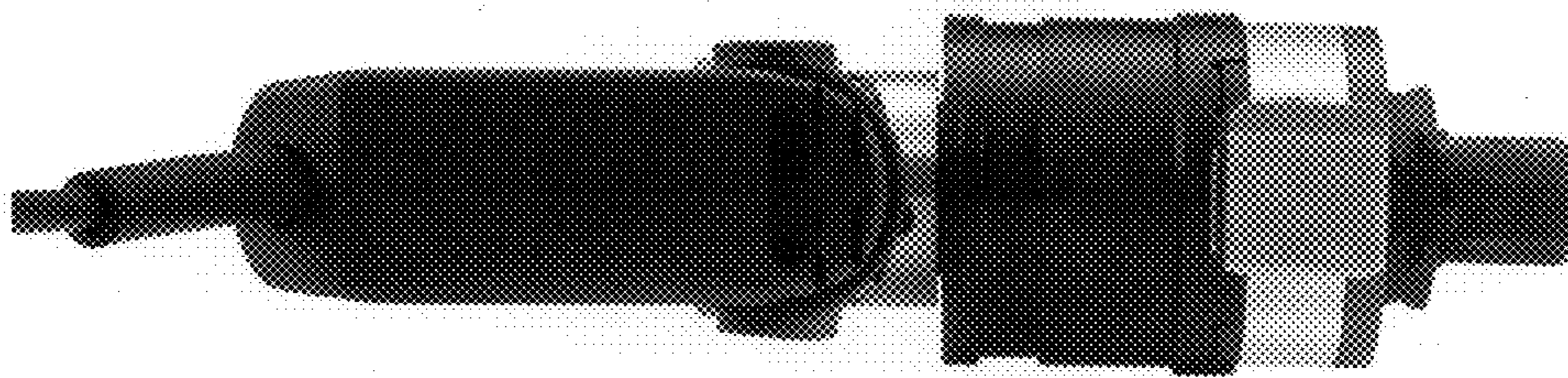


FIG. 7



FIG. 8



FIG. 9



FIG. 10

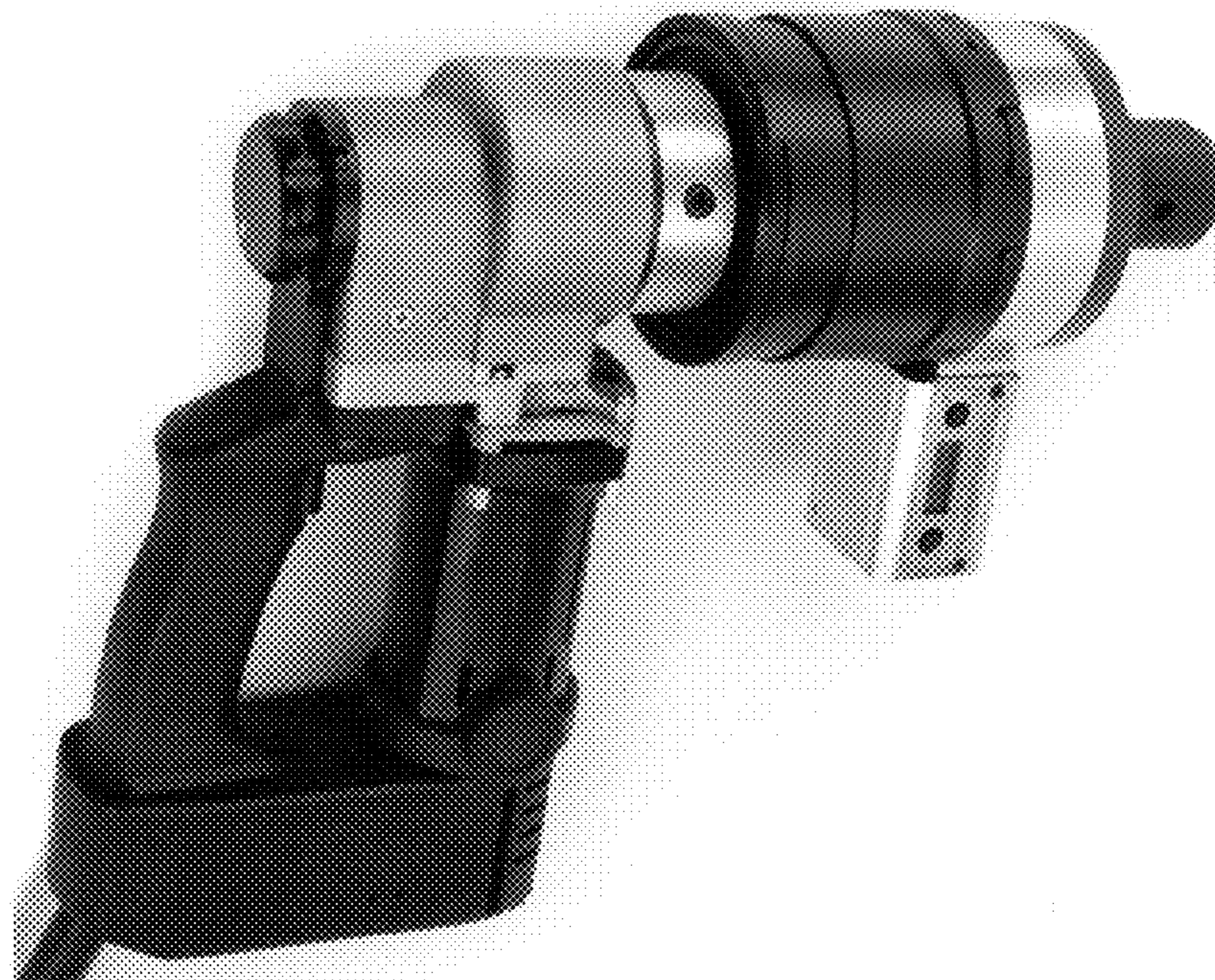


FIG. 11

