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

(10) **Patent No.:** **US D467,780 S**

(45) **Date of Patent:** **\*\* Dec. 31, 2002**

(54) **PORTABLE IMPACT WRENCH**  
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(73) Assignee: **K. K. Izumi Seiki Seisakusho**, Nagano (JP)  
(\*\*) Term: **14 Years**

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(21) Appl. No.: **29/140,982**  
(22) Filed: **Apr. 30, 2001**  
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(51) **LOC (7) Cl.** ..... **08-05**  
(52) **U.S. Cl.** ..... **D8/68**  
(58) **Field of Search** ..... D8/61, 62, 63,

D8/64, 65, 66, 67, 68, 69, 70, 107; 29/243.525;  
74/371; 81/52, 54, 55, 57, 57.11, 57.13,  
57.14, 57.42, 57.43, 177.1, 177.4, 177.6,  
177.85, 409, 429, 436, 463, 464, 466, 474,  
900, 901, DIG. 12; 173/13, 15, 47, 48,  
90, 91, 92, 93, 93.5, 93.6, 109, 112, 122,  
164, 169, 170, 171, 176, 213, 216, 217;  
227/51, 81, 138; 279/9.1, 19.3, 62, 137,  
142, 147, 149, 158; 310/50; 320/114; 408/20,  
120, 122, 124, 125, 234, 241 R, 241 S;  
451/344, 354, 357, 358, 359, 456

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(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a front elevational view of a portable impact wrench showing my new design;  
FIG. 2 is a top plan view thereof;  
FIG. 3 is a rear elevational view of thereof  
FIG. 4 is a bottom plan view thereof;  
FIG. 5 is a right side elevational view thereof;  
FIG. 6 is a left side elevational view thereof; and,  
FIG. 7 is a reference right side elevational view showing a example of use.

The broken lines in FIG. 7 showing a detachable element are for illustrative purposes only and form no part of the claimed design.

**1 Claim, 3 Drawing Sheets**

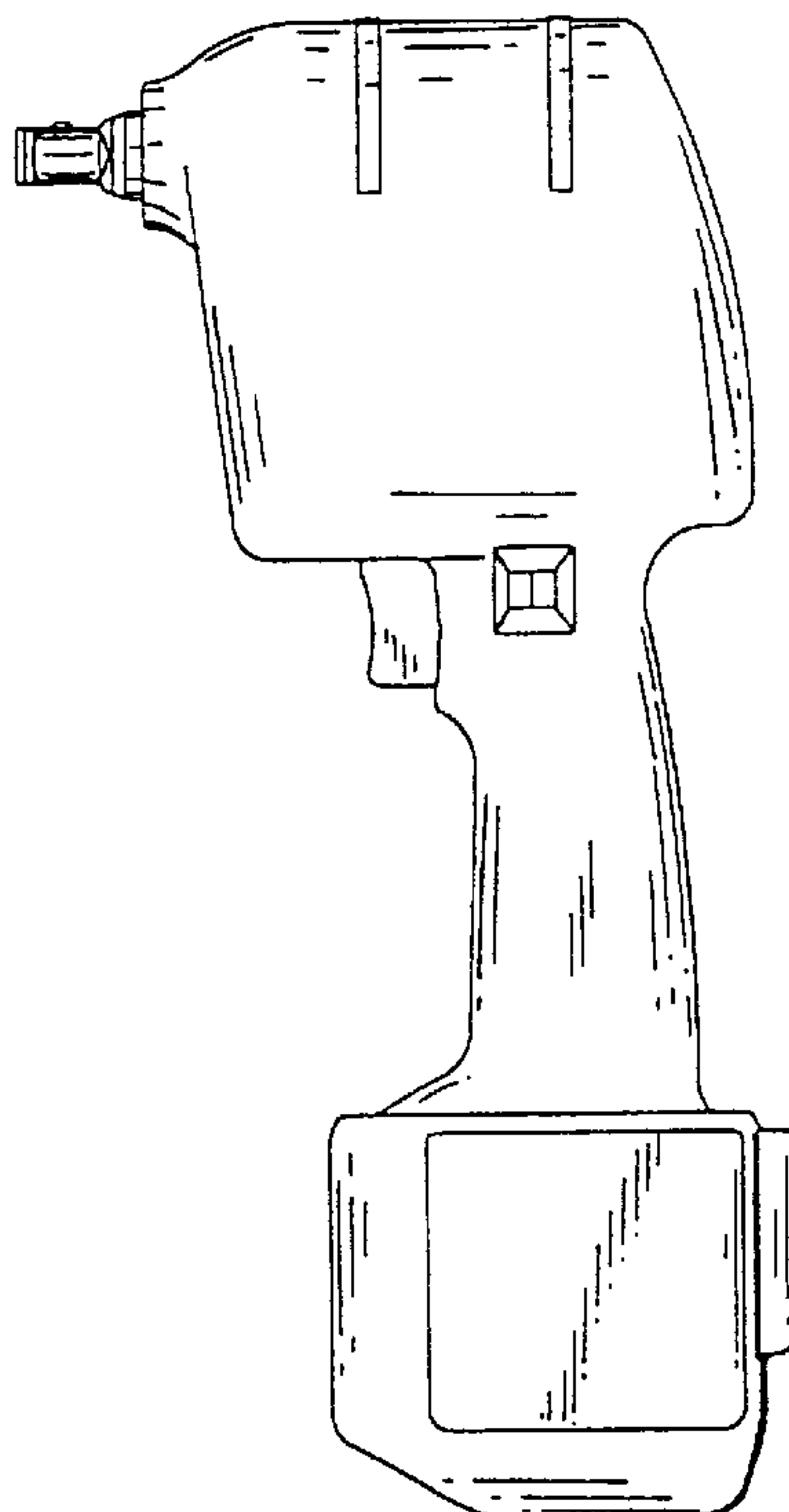


FIG.1

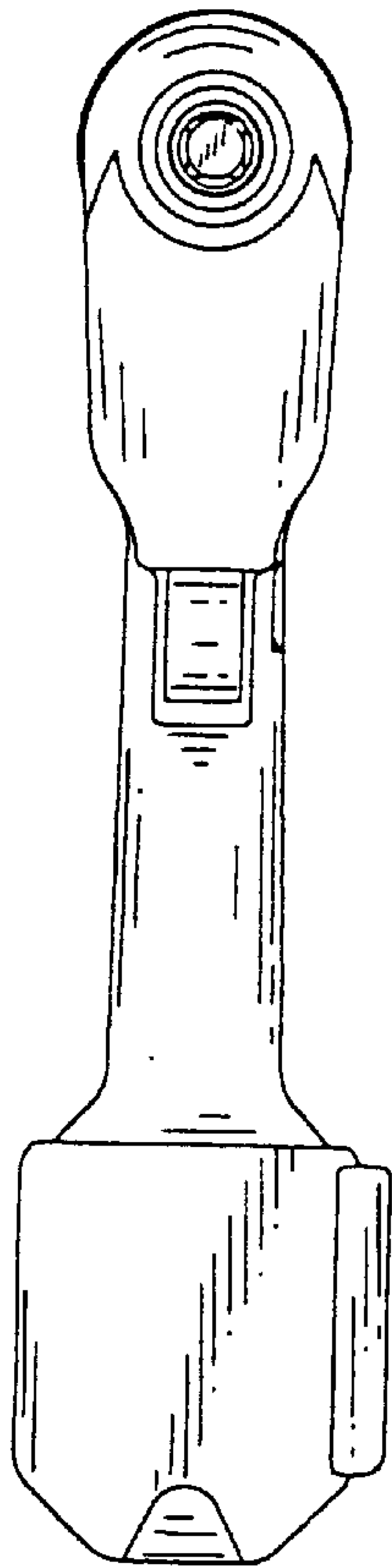


FIG.2

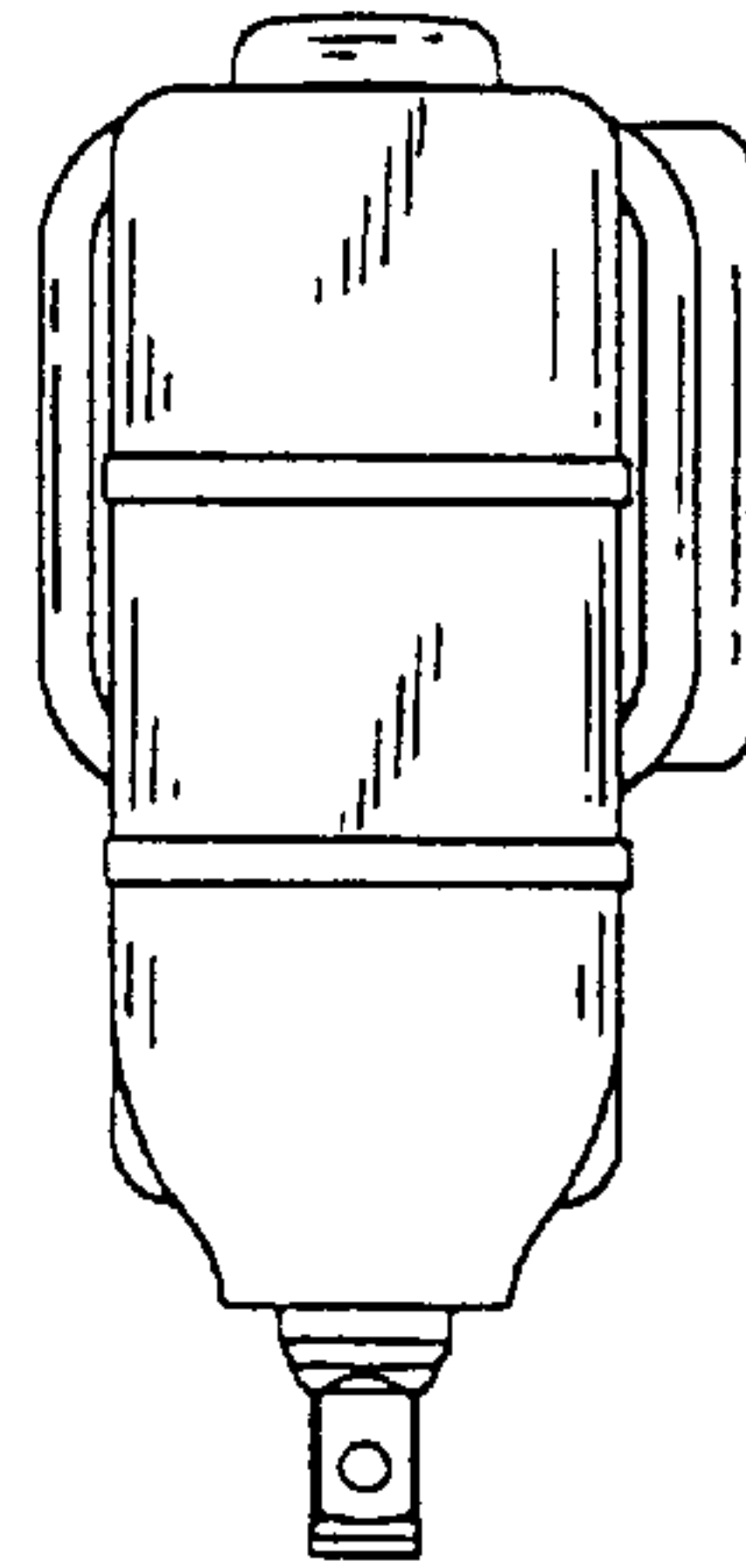


FIG.3

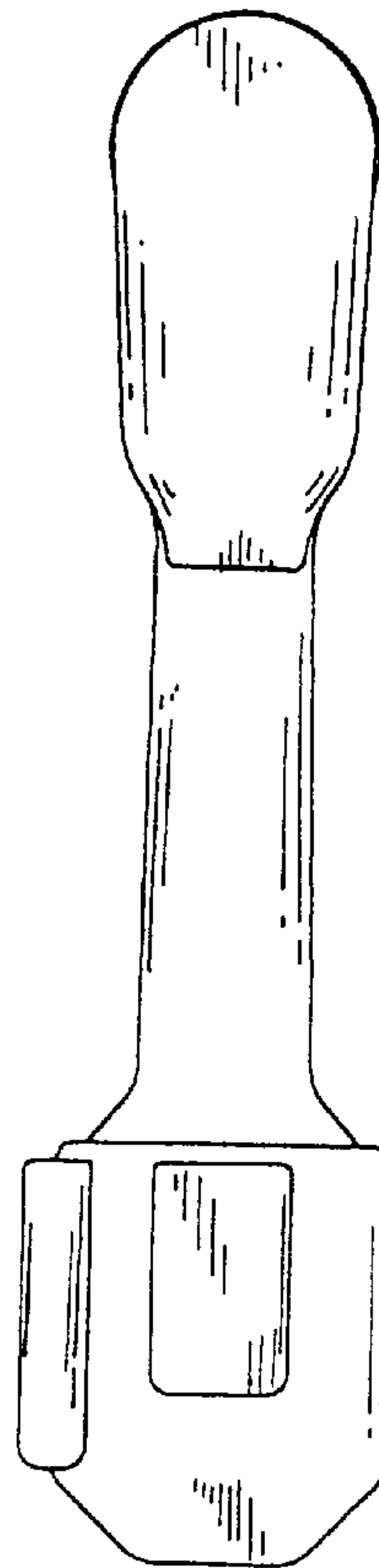


FIG.4

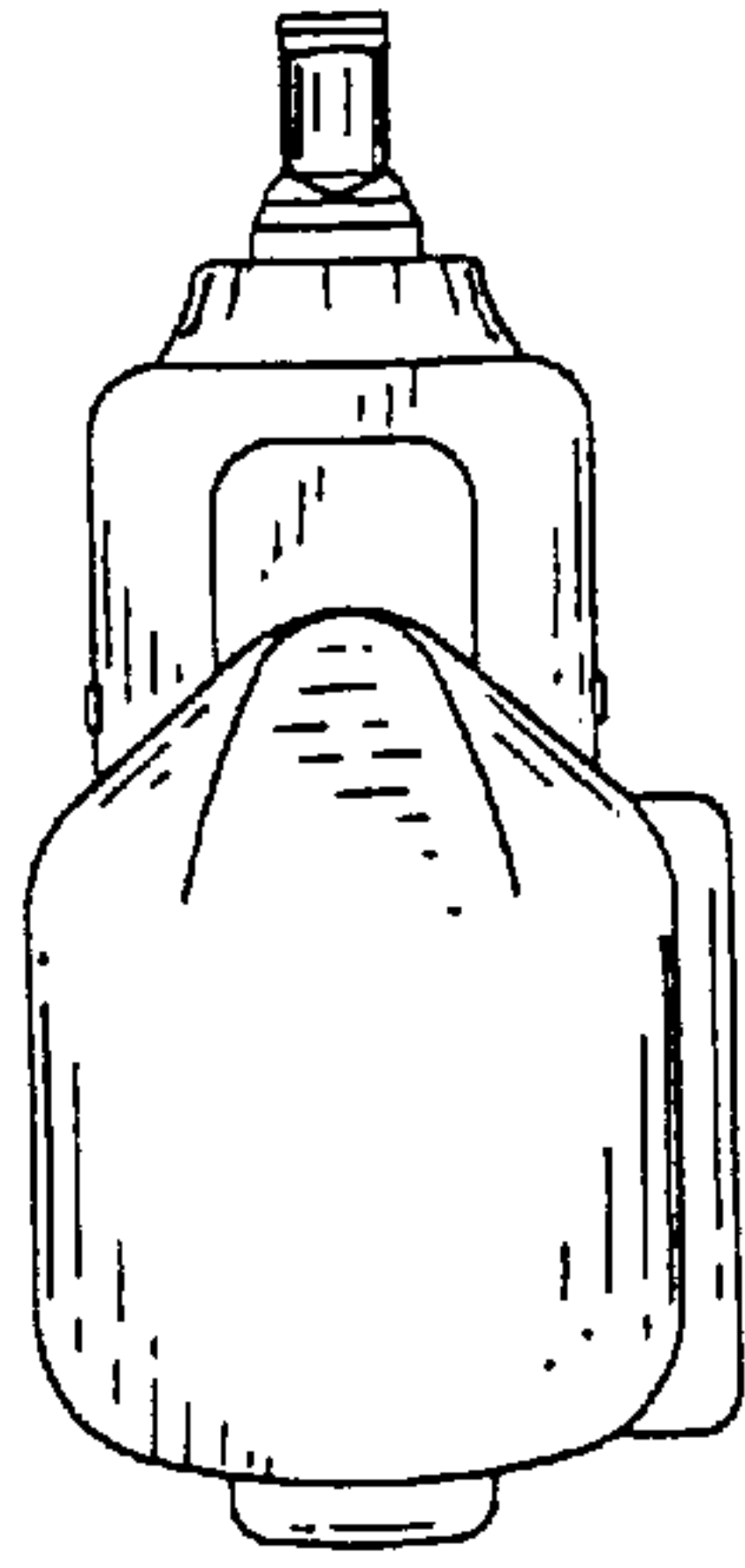


FIG.5

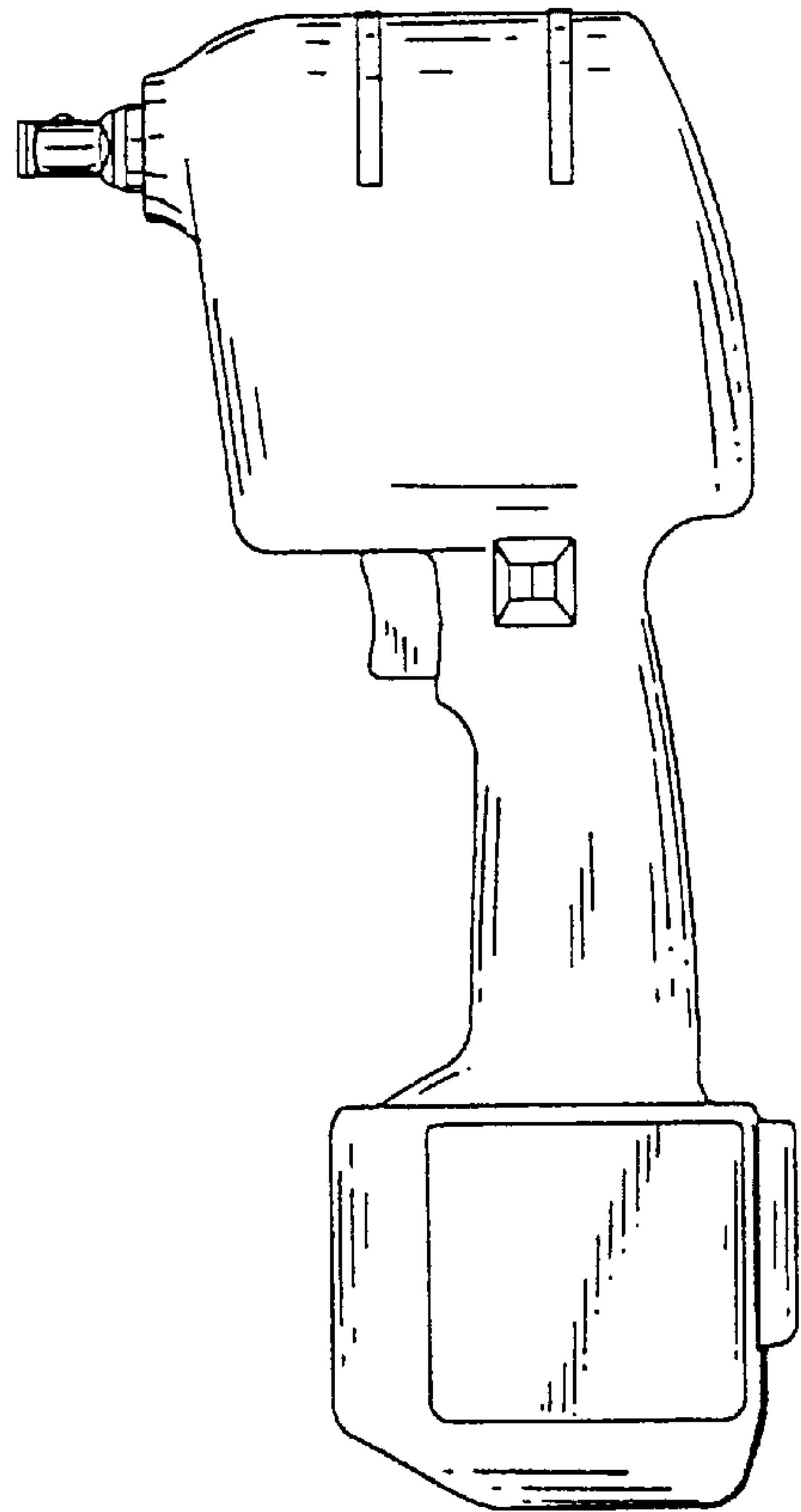


FIG.6

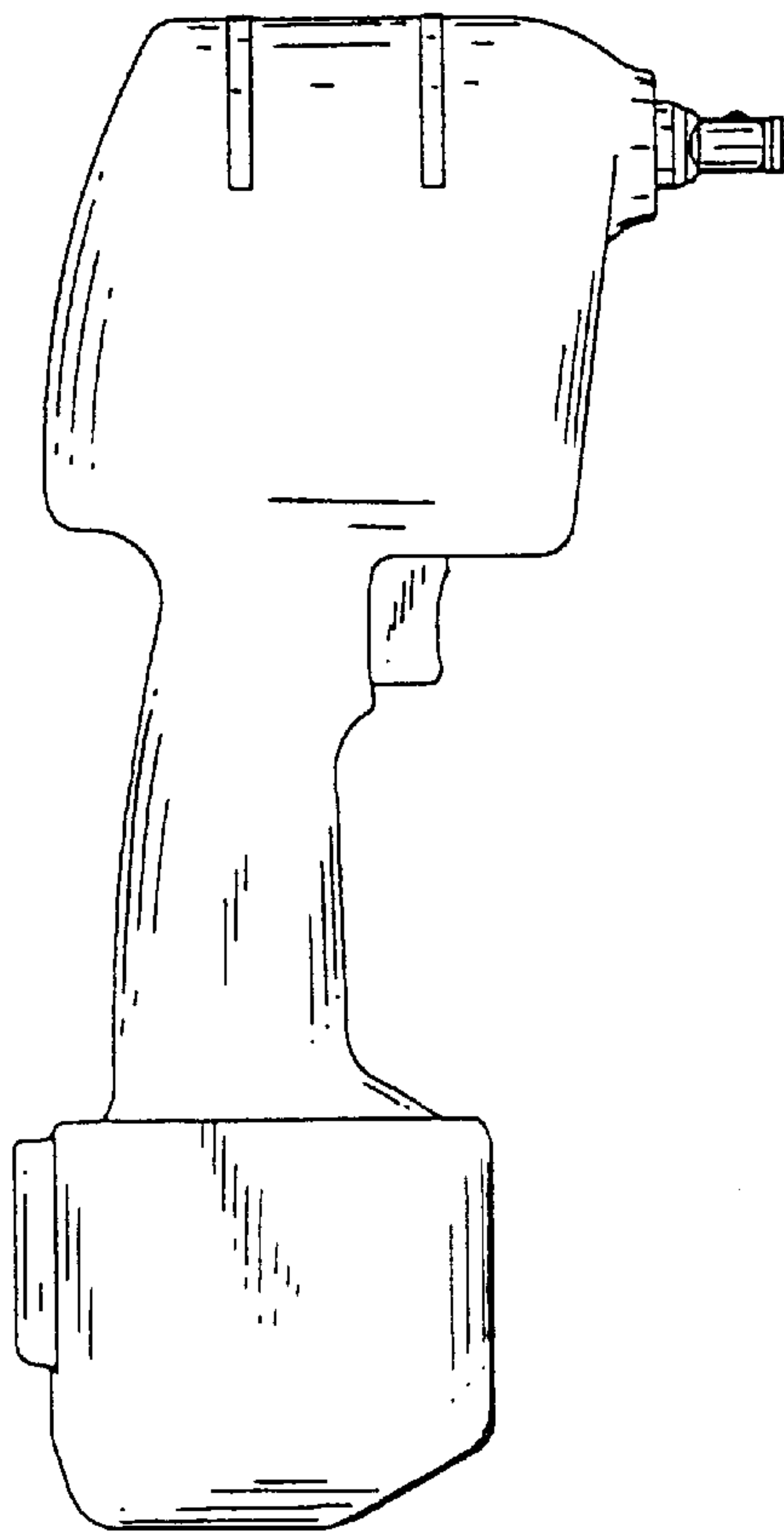


FIG.7

