



US00D431763S

**United States Patent** [19]  
**Liu**

[11] **Patent Number: Des. 431,763**

[45] **Date of Patent: \*\* Oct. 10, 2000**

[54] **RATCHET WRENCH**

D. 386,382 11/1997 Shiao ..... D8/107

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[57] **CLAIM**

[\*\*] Term: **14 Years**

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

[21] Appl. No.: **29/099,976**

**DESCRIPTION**

[22] Filed: **Feb. 1, 1999**

FIG. 1 is a perspective view of a ratchet wrench showing my new design thereof;

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

FIG. 2 is a front elevational view thereof;

[52] **U.S. Cl.** ..... **D8/25**

FIG. 3 is a rear elevational view thereof;

[58] **Field of Search** ..... D8/21-29, 107;  
81/60-63, 63.1, 63.2, 177.1

FIG. 4 is a right side elevational view and the left side elevational view being the mirror image thereof;

FIG. 5 is a top plan view thereof; and,

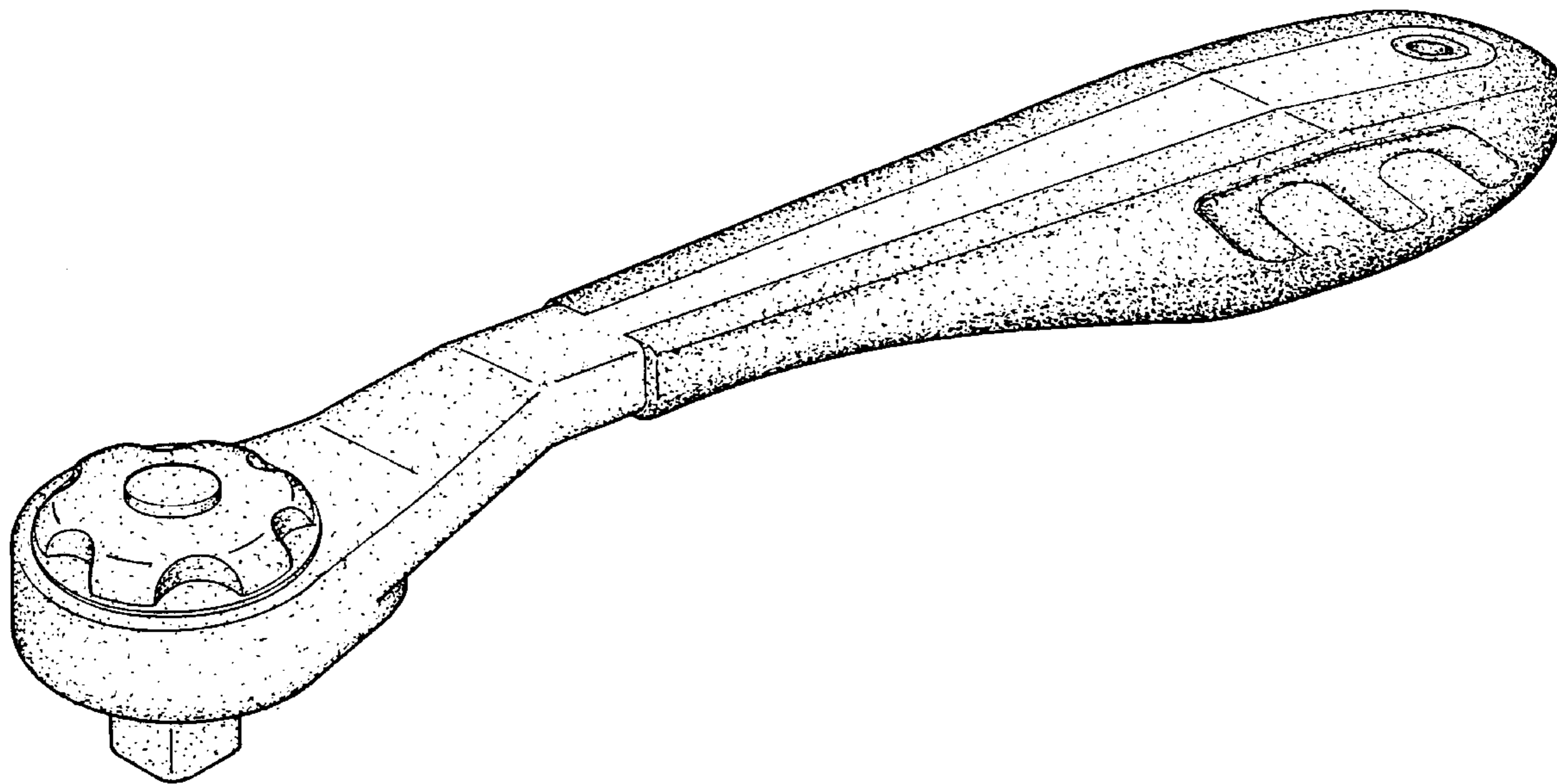
FIG. 6 is a bottom plan view thereof;

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

D. 182,318 3/1958 Wright et al. .... D8/25

**1 Claim, 4 Drawing Sheets**



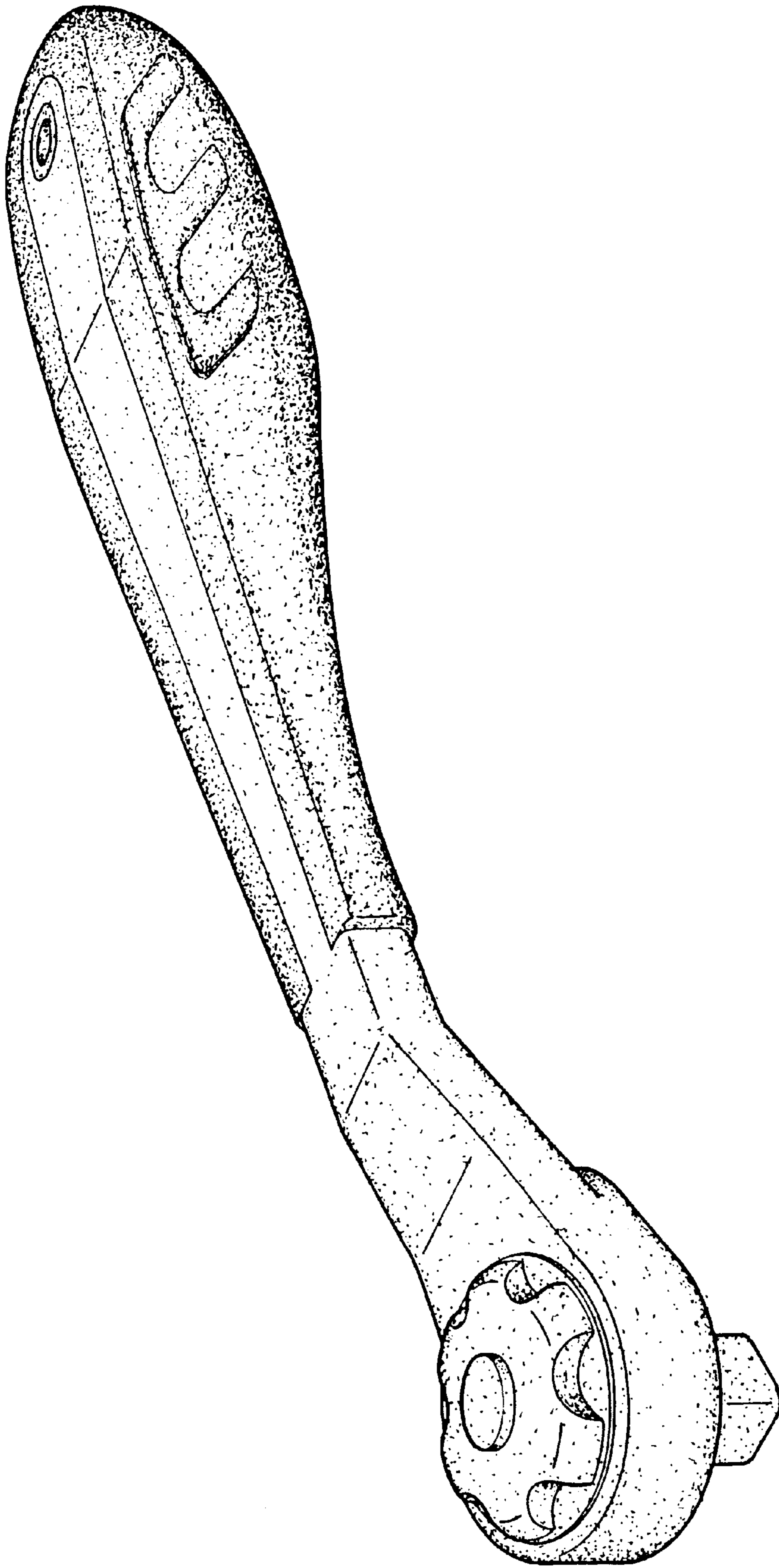


Fig. 1

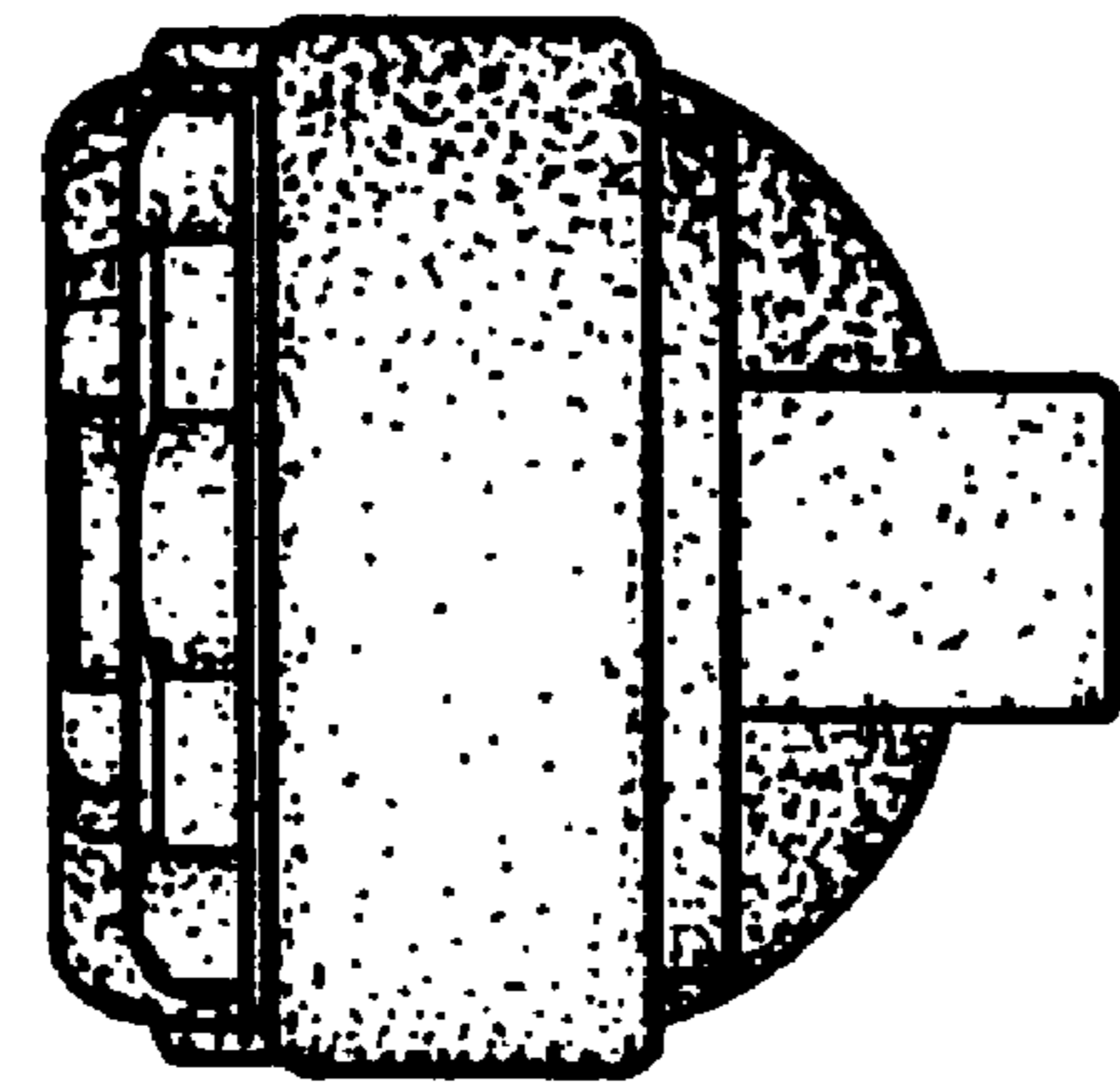


Fig. 2

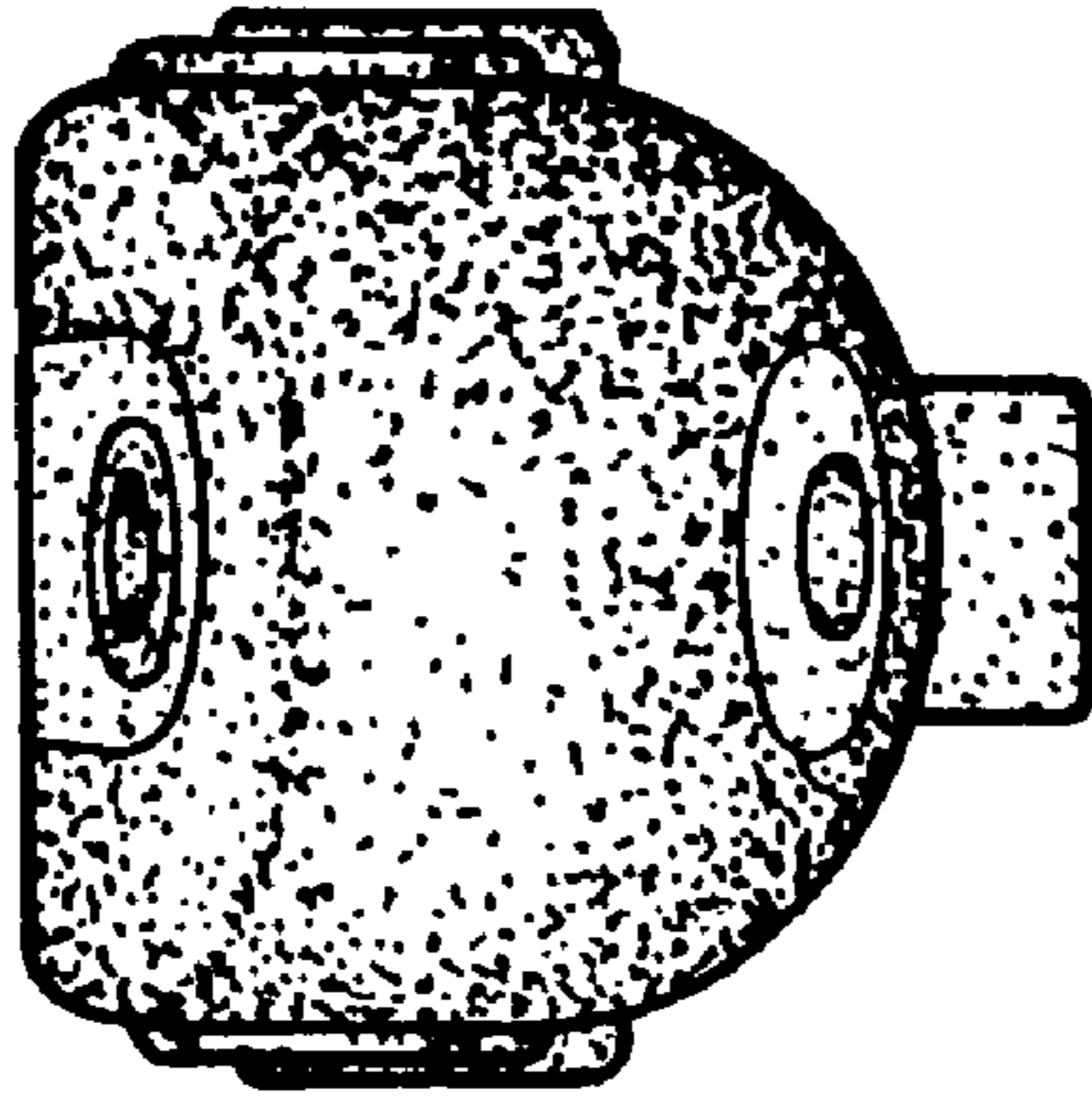


Fig. 3

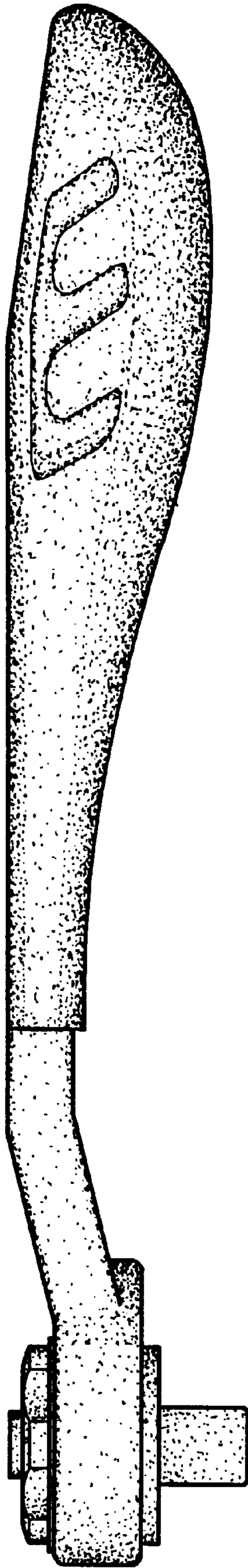


Fig. 4

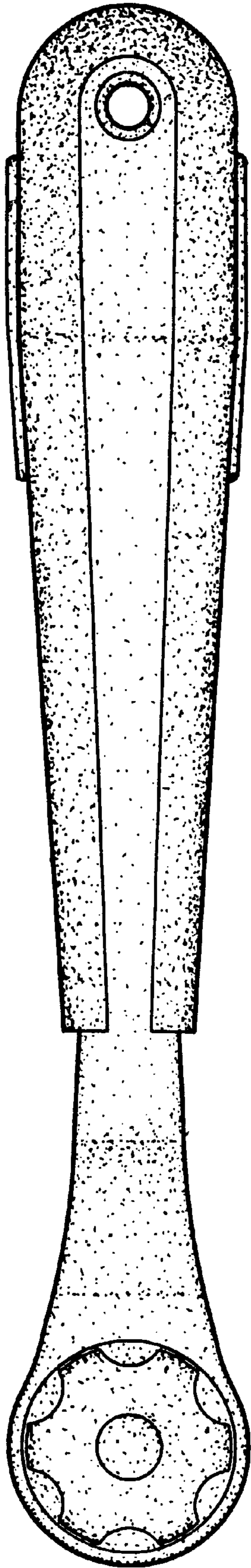


Fig. 5

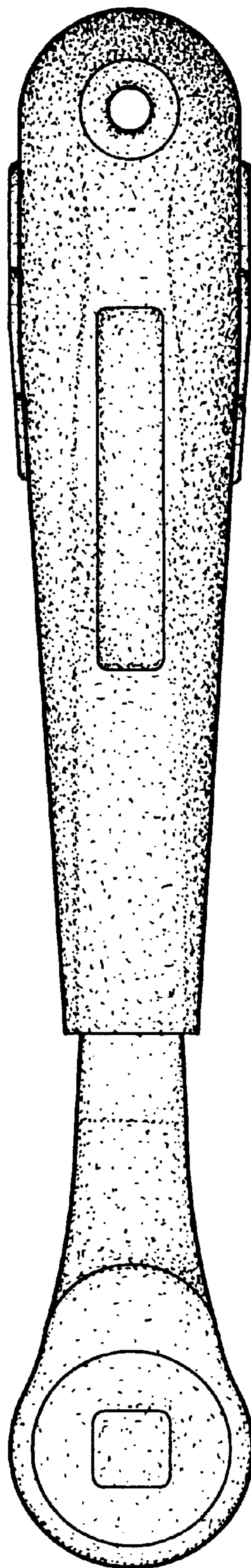


Fig. 6