



US00D329786S

United States Patent [19]
Polonsky

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[54] **BROKEN BOLT EXTRACTOR**
[75] **Inventor: Eli Polonsky, Aurora, Colo.**
[73] **Assignee: Alden Corporation, Wolcott, Conn.**
[**] **Term: 14 Years**
[21] **Appl. No.: 419,835**
[22] **Filed: Oct. 11, 1989**
[52] **U.S. Cl. D8/14**
[58] **Field of Search D8/51, 14, 70; 81/441, 81/451, 452, 53.2**

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OTHER PUBLICATIONS

Severance Tools, Dec. 1967, Stop-Countersink Cutters.
Primary Examiner—Bernard Ansher
Assistant Examiner—Philip Hyder
Attorney, Agent, or Firm—Dallett Hoopes

[57] **CLAIM**

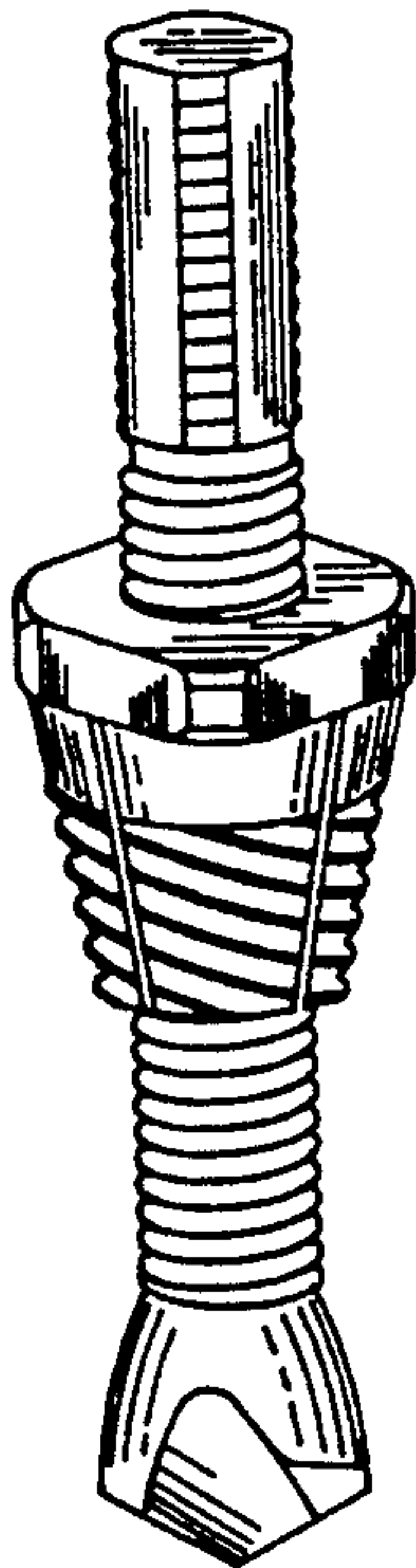
The ornamental design for a broken bolt extractor, as shown and described.

[56] **References Cited**
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DESCRIPTION

FIG. 1 is a perspective view of the broken bolt extractor showing my new design;
FIG. 2 is an exploded view thereof;
FIG. 3 is a top plan view thereof;
FIG. 4 is a bottom plan view thereof; and,
FIG. 5 is a side elevational view thereof.



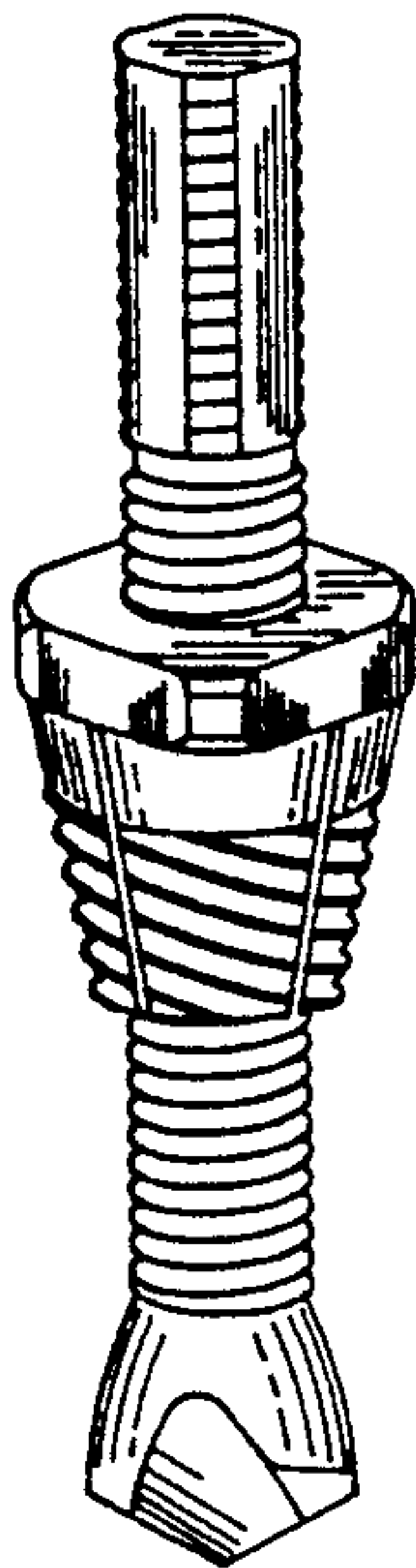


Fig. 1

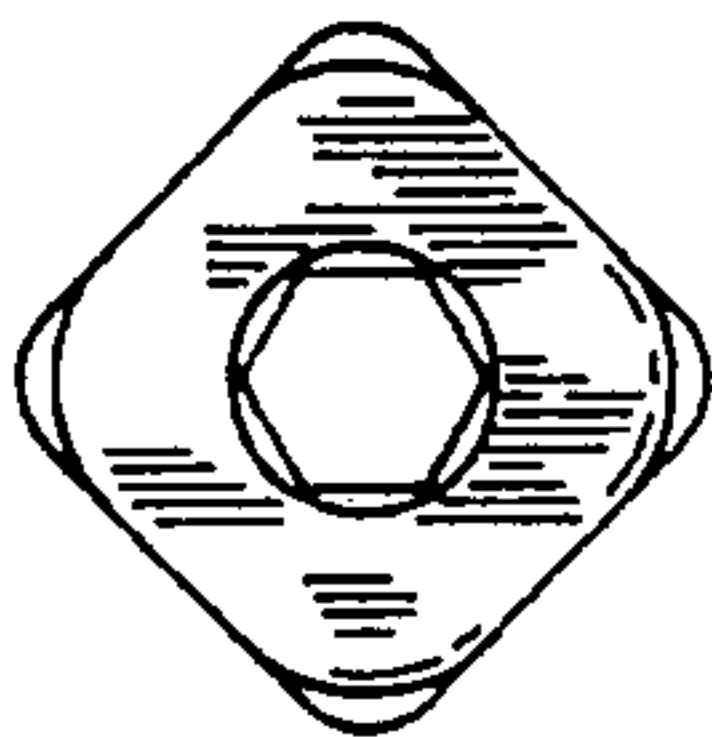


Fig. 3

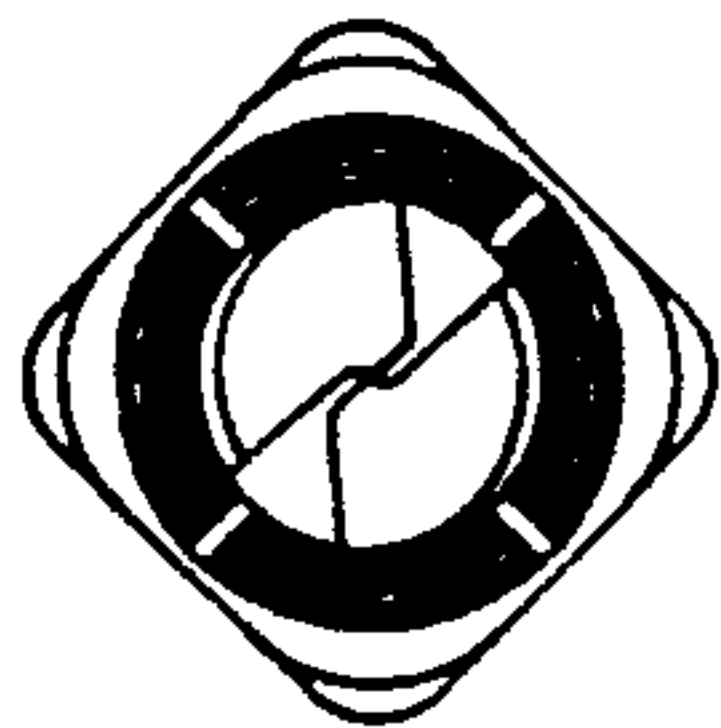


Fig. 4

Fig. 2

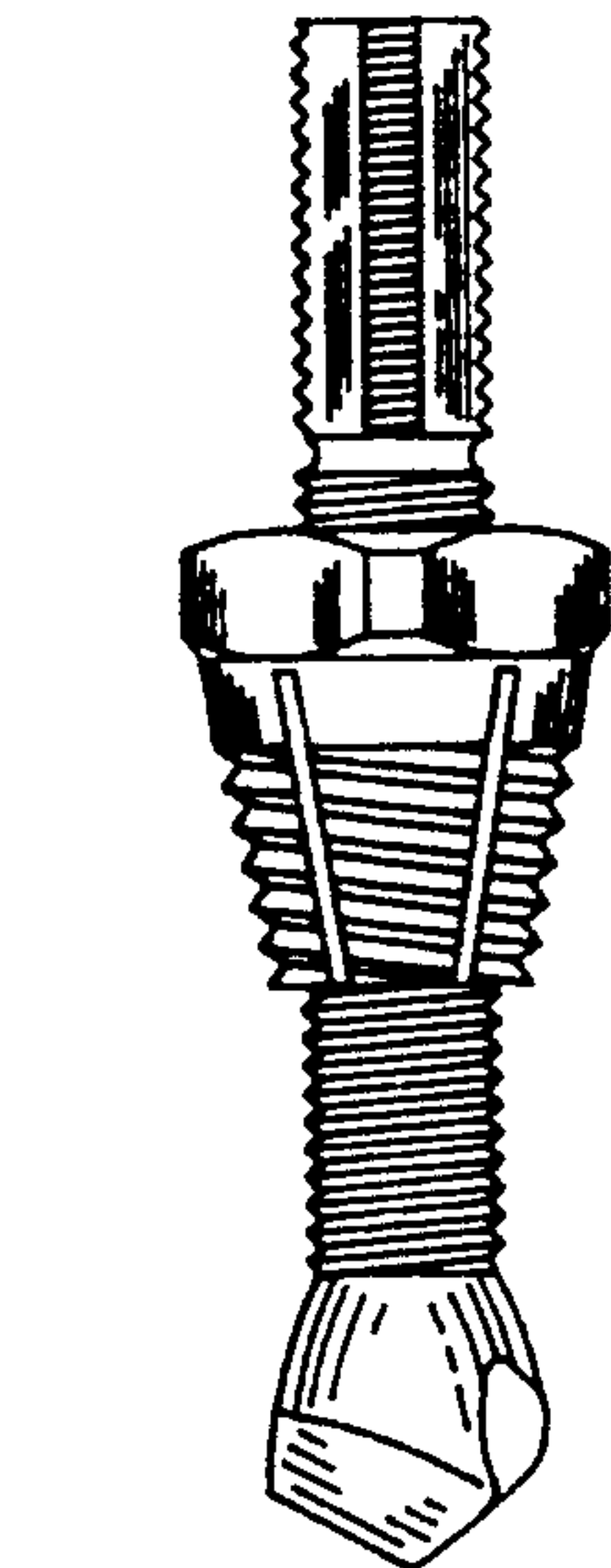
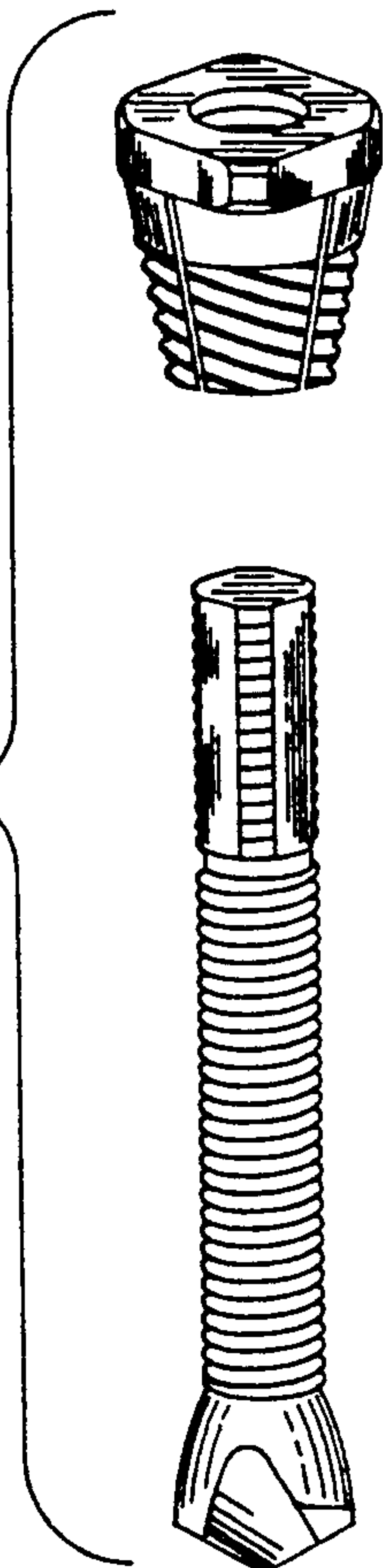


Fig. 5