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# United States Patent [19]

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**Ronan**

[45] Date of Patent: **\*\*Dec. 12, 1995**

[54] **REMOVABLE DRILL CHUCK WITH SLEEVE ATTACHMENT**

4,525,111 6/1985 Gutsche ..... 279/43 X  
4,594,036 6/1986 Hogenhout ..... 408/240  
4,663,999 5/1987 Colvin ..... 279/65 X

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### OTHER PUBLICATIONS

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

Universal Houdaille; Collets/Collets Chucks; Sep. 1984; p. 59.

[21] Appl. No.: **25,571**

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*Assistant Examiner*—Antoine D. Davis  
*Attorney, Agent, or Firm*—F. Eugene Logan

[22] Filed: **Jul. 5, 1994**

[52] U.S. Cl. .... **D15/140**

[58] Field of Search ..... D15/138, 139, D15/140; D23/259, 262, 266; D25/126; 173/29, 48, 93; 279/36, 19.3, 19.6, 37, 40, 42, 43, 45, 48, 49, 52, 56, 57, 59, 60-65, 69-71, 74, 78, 80-82, 101, 142, 147, 901, 902, 904, 905; 408/239 R, 240

### [57] CLAIM

The ornamental design for a removable drill chuck with sleeve attachment, as shown and described.

### [56] References Cited

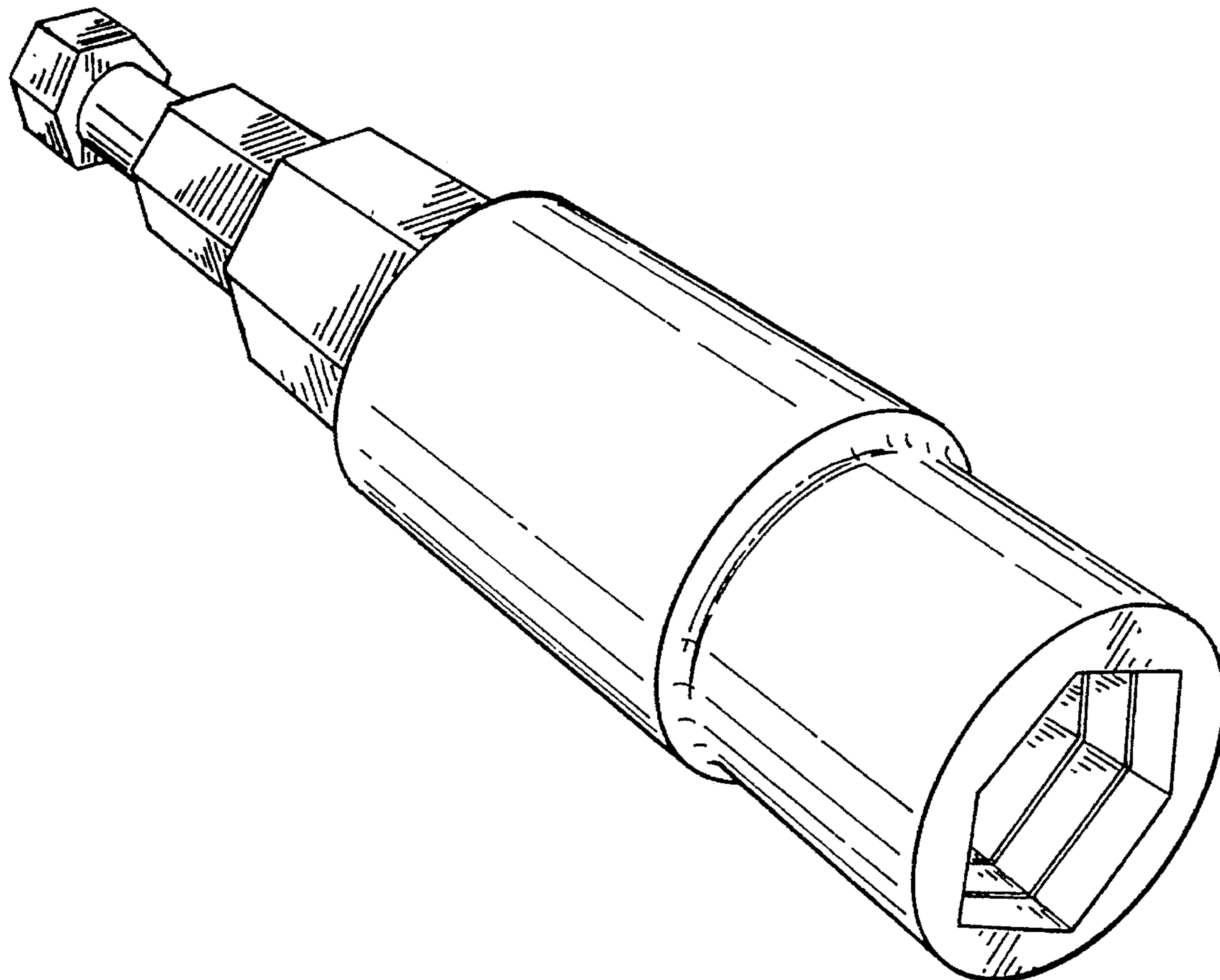
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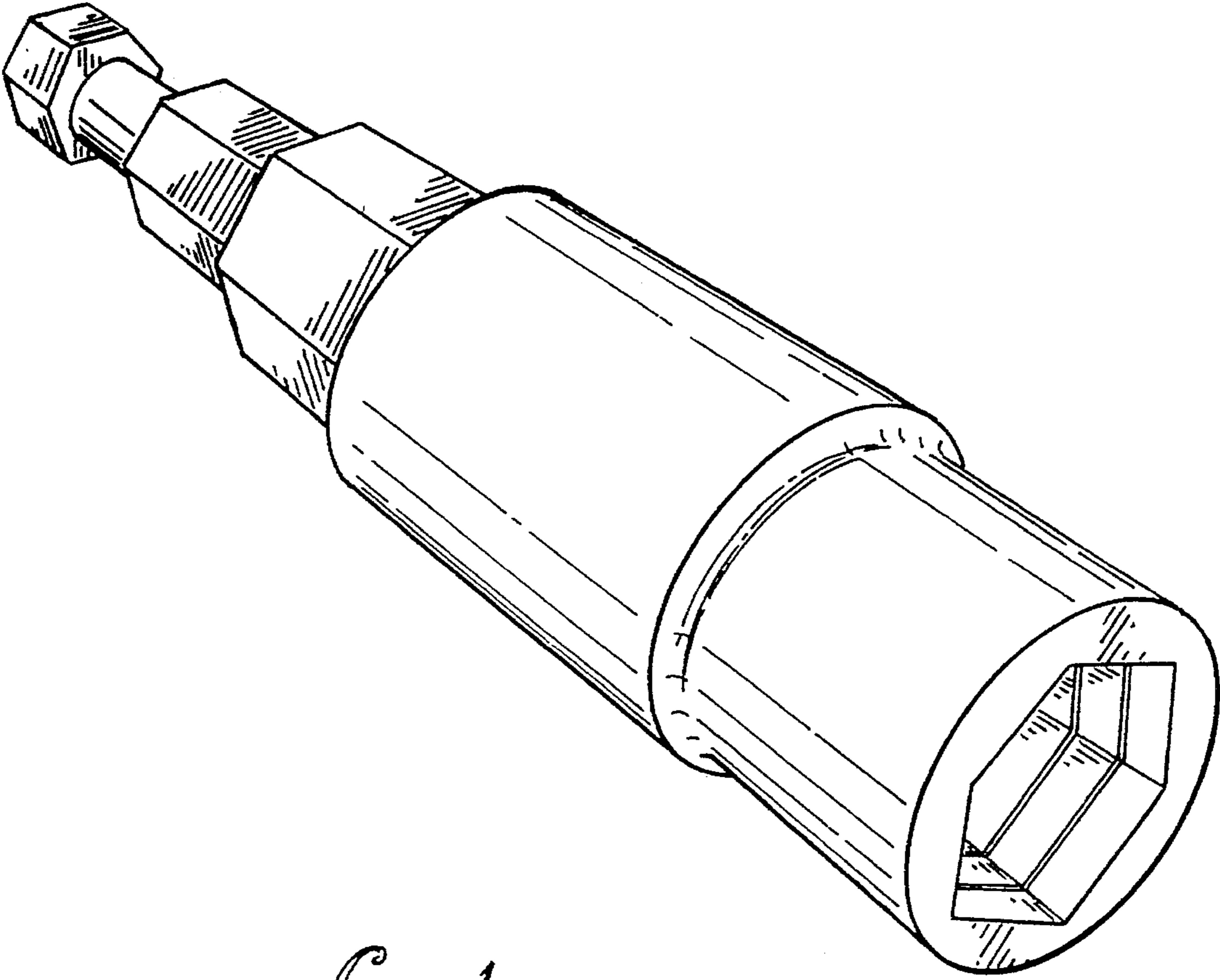
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### DESCRIPTION

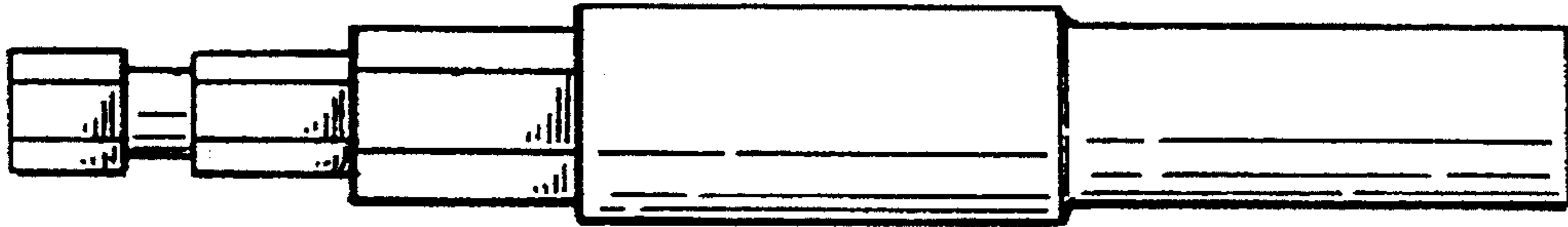
FIG. 1 is an enlarged front perspective view of a removable drill chuck with sleeve attachment showing my new design; FIG. 2 is a top plan view thereof, the bottom plan view being a mirror image of that shown; FIG. 3 is a rear elevational view thereof; FIG. 4 is a front elevational view thereof; and, FIG. 5 is a left side elevational view thereof, the right side elevational view being a mirror image of that shown.

**1 Claim, 2 Drawing Sheets**

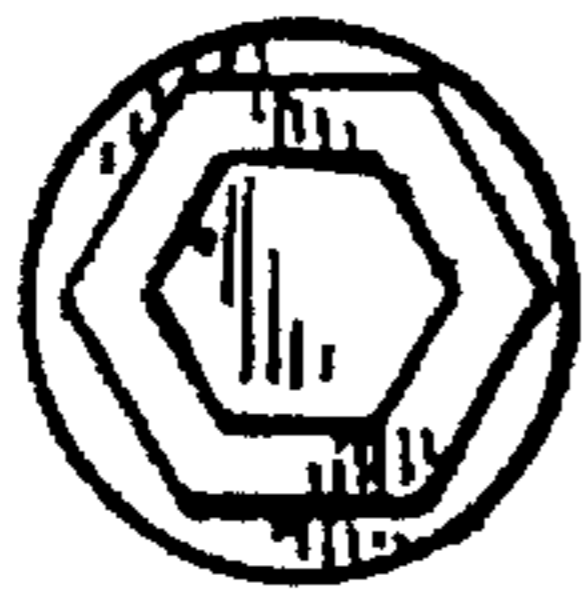




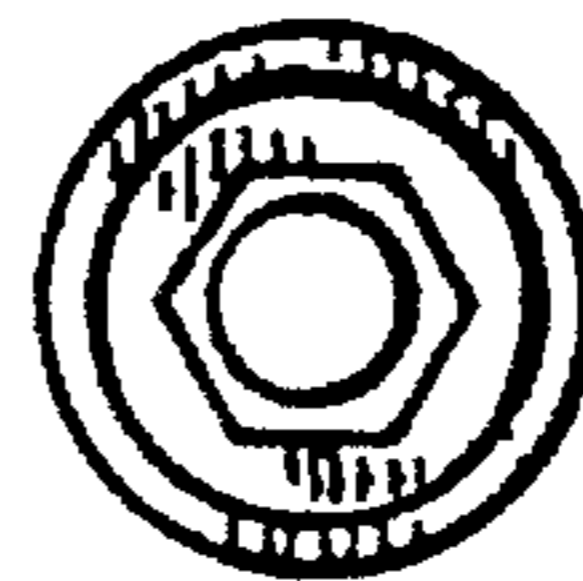
*Fig. 1.*



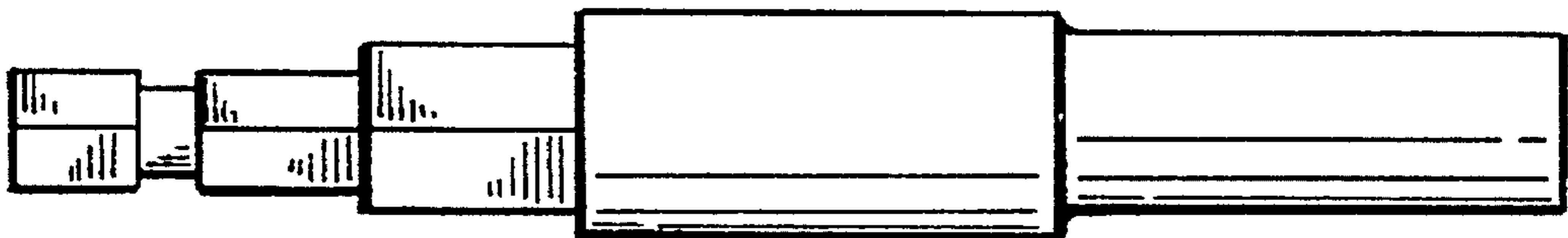
*fig. 2.*



*fig. 3.*



*fig. 4.*



*fig. 5.*