



US00D332492S

United States Patent [19]

[11] Patent Number: **Des. 332,492**

Rosenberg et al.

[45] Date of Patent: **** Jan. 12, 1993**

[54] **BONE DRILL BIT FOR BONE FASTENERS**

4,830,000	5/1989	Shutt	606/80
4,844,064	7/1989	Thimsen et al.	D24/147
4,951,690	8/1990	Baker	606/80 X
4,978,350	12/1990	Wagenknecht	606/80 X
5,055,105	10/1991	Hamlin et al.	606/80

[75] Inventors: **Thomas D. Rosenberg**, Salt Lake City, Utah; **Paul DiCarlo**, Wayland, Mass.

[73] Assignee: **American Cyanamid Company**, Stamford, Conn.

Primary Examiner—Stella Reid
Assistant Examiner—I. Simmons
Attorney, Agent, or Firm—Douglas E. Denninger

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

[57] **CLAIM**

[21] Appl. No.: **473,200**

The ornamental design for a bone drill bit for bone fasteners, as shown and described.

[22] Filed: **Jan. 31, 1990**

[52] U.S. Cl. **D24/146; D15/139**

[58] Field of Search **D24/146, 140; 606/80, 606/96, 98, 104; D8/139**

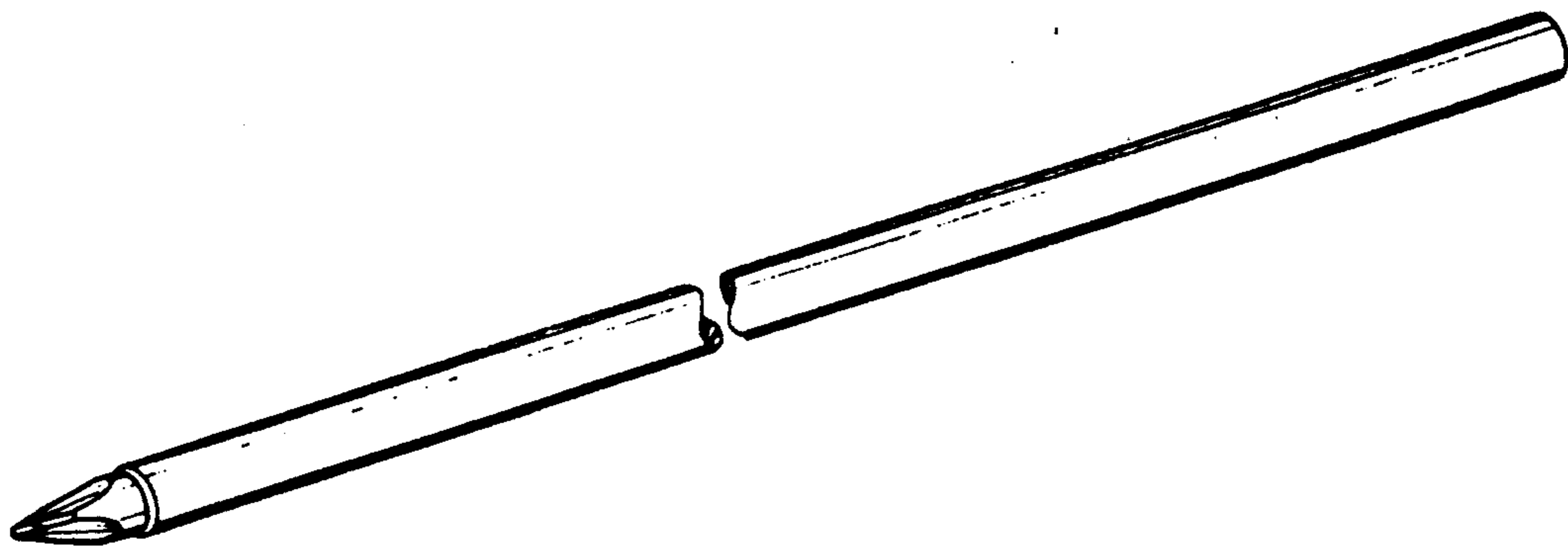
DESCRIPTION

FIG. 1 is a perspective view of a bone drill bit for bone fasteners, showing our new design;
FIG. 2 is a side elevational thereof, taken from the left side of FIG. 4;
FIG. 3 is a top plan view thereof;
FIG. 4 is a front elevational view thereof; and,
FIG. 5 is a rear elevational view thereof.
FIGS. 1, 2 and 3 have been shown broken away because the article is of indefinite length.

[56] **References Cited**

U.S. PATENT DOCUMENTS

4,157,714	6/1979	Fultz et al.	606/80 X
4,341,206	7/1982	Perrett et al.	606/80
4,649,919	3/1987	Thimsen et al.	D24/146 X
4,798,213	1/1989	Doppelt	606/80 X



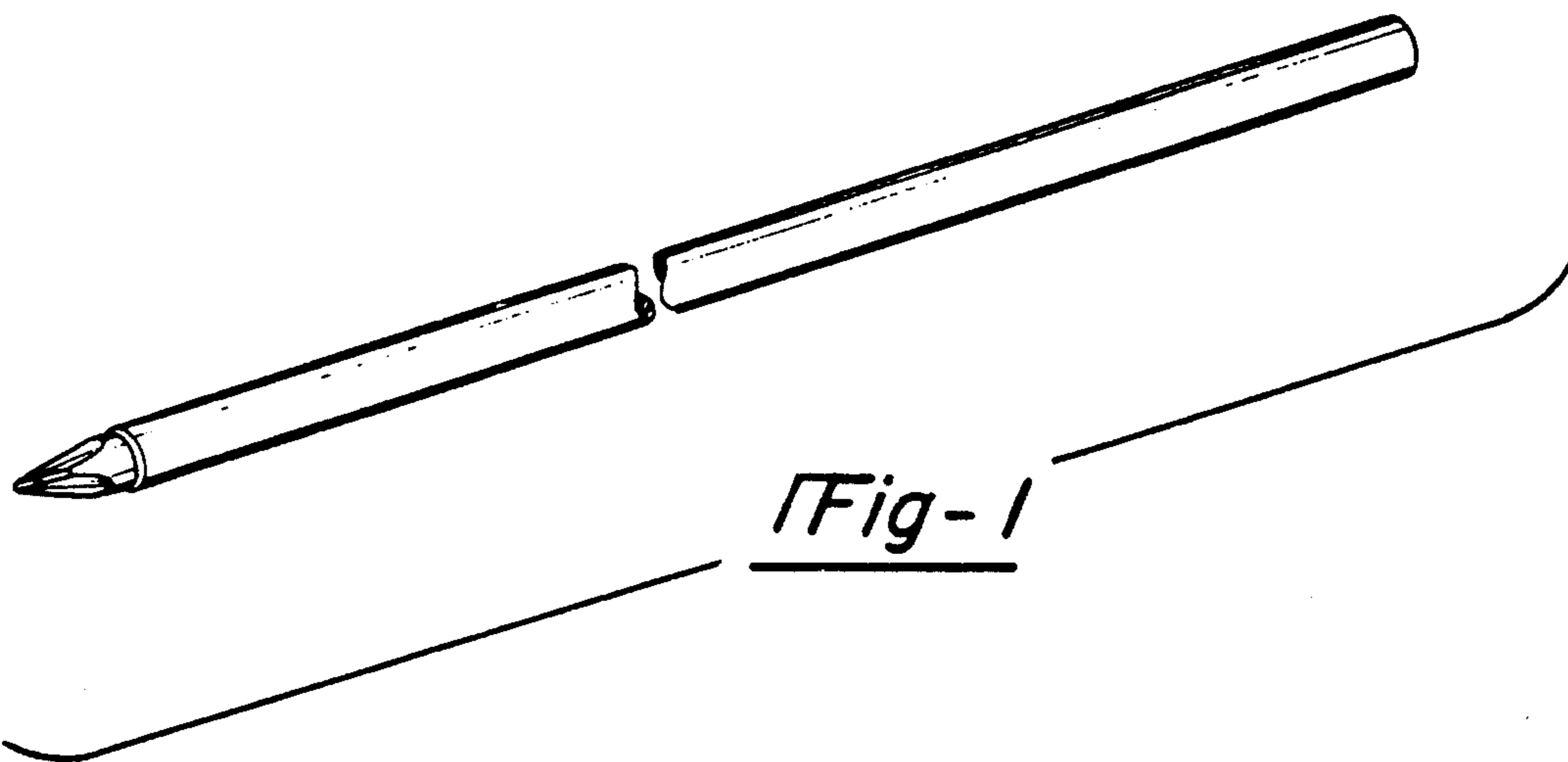


Fig-1

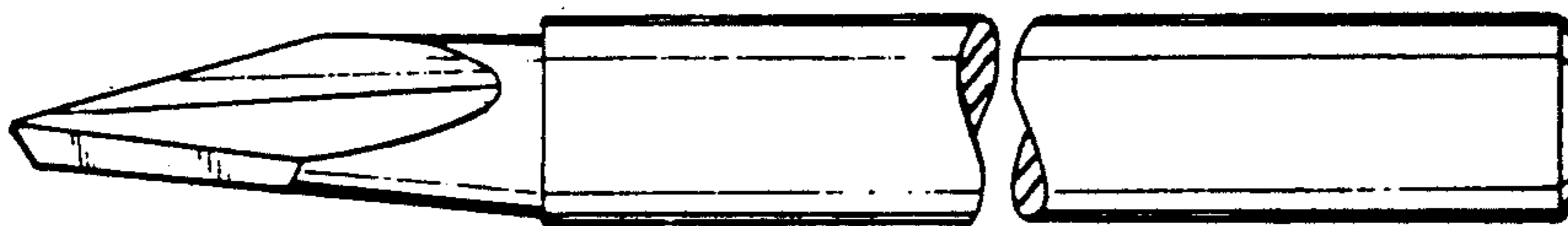


Fig-2

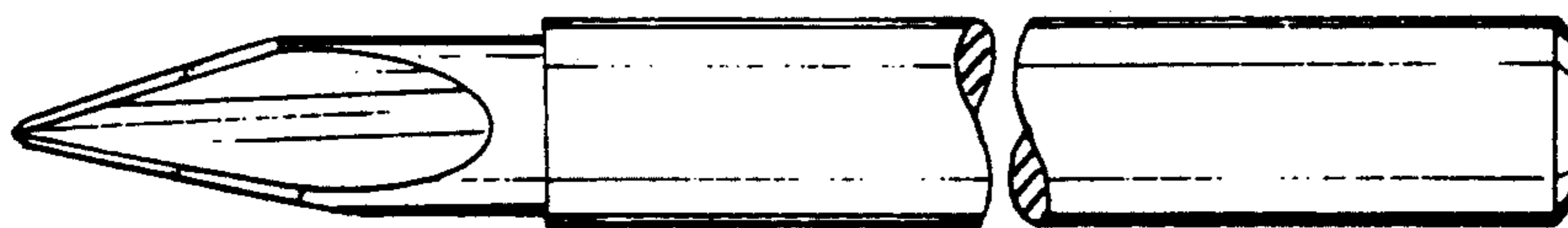


Fig-3

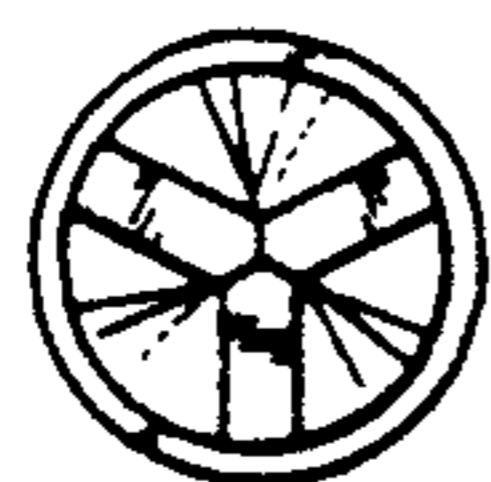


Fig-4



Fig-5