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United States Patent [19]

Rosier

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[54] **INSTALLATION TOOL FOR SETTING PULL TYPE FASTENERS**

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[73] Assignee: **Huck International, Inc.**, Irvine, Calif.

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

[21] Appl. No.: **16,212**

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[52] **U.S. Cl.** **D8/68**

[58] **Field of Search** D8/61, 69; 72/391.6, 72/391, 453.17, 453.19; 29/818, 809, 810, 243.523, 243.525

[56] **References Cited**

U.S. PATENT DOCUMENTS

D. 335,250	5/1993	Rosier .	
4,031,619	6/1977	Gregory .	
4,259,858	4/1981	Freeman et al.	29/243.523
4,263,801	4/1981	Gregory .	
4,347,728	9/1982	Smith .	
4,489,471	12/1984	Gregory .	
4,546,637	10/1985	Elias	29/243.523
4,580,435	4/1986	Port et al. .	
4,597,263	7/1986	Corbett .	
4,598,572	7/1986	Mondello et al. .	
4,615,206	10/1986	Rosier .	
4,630,460	12/1986	Mauer	29/243.525
4,649,732	3/1987	Molina .	
4,735,048	4/1988	Gregory .	
4,770,023	9/1988	Schwab	29/243.523
4,807,348	2/1989	Kaelin et al. .	
4,813,261	3/1989	Rosier .	
4,815,310	3/1989	Summerlin et al.	29/243.523
4,852,376	8/1989	Suhov .	
4,866,972	9/1989	Schwab	29/243.523
4,878,372	11/1989	Port et al. .	
4,989,442	2/1991	Rosier .	

(List continued on next page.)

OTHER PUBLICATIONS

Instruction Manual Models 2400 & A2400 Hydraulic Installation Tools, Huck International, Inc., Jun., 1992.

Instruction Manual Models 2502 & A2502 Hydraulic Installation Tools, Huck International, Inc. Jun., 1992.

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Attorney, Agent, or Firm—Harness, Dickey & Pierce

[57] **CLAIM**

The ornamental design for an installation tool for setting pull type fasteners, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of the installation tool for setting pull type fasteners with a nose assembly shown in phantom at the front end of the tool and a pin tail deflector shown in phantom at the back end of the tool;

FIG. **2** is front elevational view of the installation tool for setting pull type fasteners of FIG. **1;**

FIG. **3** is a side elevational view of the installation tool for setting pull type fasteners of FIG. **1;**

FIG. **4** is a sectional view of the handle of the installation tool for setting pull type fasteners of FIGS. **1–3** taken substantially in the direction of the arrows **4—4** in FIG. **3;**

FIG. **5** is a rear elevational view of the installation tool for setting pull type fasteners of FIG. **1;**

FIG. **6** is a top elevation view of the installation tool for setting pull type fasteners of FIG. **1;**

FIG. **7** is a bottom elevational view of the installation tool for setting pull type fasteners of FIG. **1;**

FIG. **8** is a perspective view of a second embodiment of my new design;

FIG. **9** is a top elevational view of the installation tool for setting pull type fasteners of FIG. **8;**

FIG. **10** is a bottom elevational view of the installation tool for setting pull type fasteners of FIG. **8;**

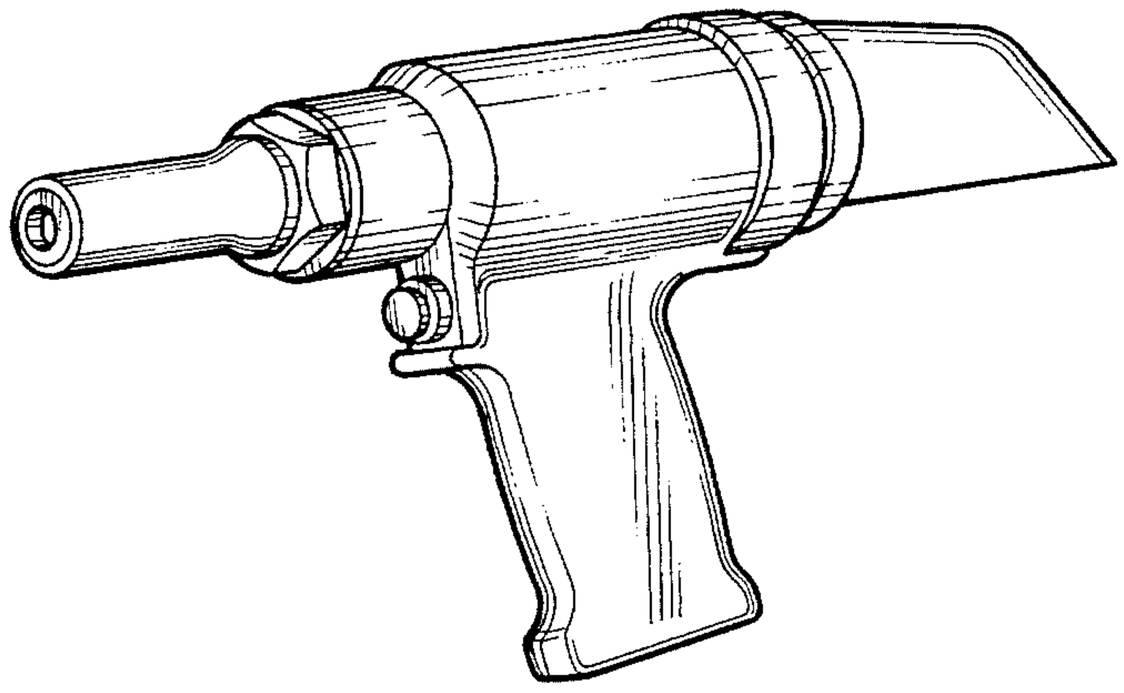
FIG. **11** is a front elevational view of the installation tool for setting pull type fasteners of FIG. **8;**

FIG. **12** is a side elevational view of the installation tool for setting pull type fasteners of FIG. **8;** and,

FIG. **13** is a rear elevational view of the installation tool for setting pull type fasteners of FIG. **8.**

The broken line showing of the nose piece and the rear deflector in FIGS. **1** through **7** is for illustrative purposes only and forms no part of the claimed design.

1 Claim, 5 Drawing Sheets



U.S. PATENT DOCUMENTS

5,036,572	8/1991	Rosier .	5,208,958	5/1993	Wilcox .
5,123,162	6/1992	Wing et al. .	5,208,959	5/1993	Rosier et al. .
5,146,773	9/1992	Rosier .	5,228,610	7/1993	Spence .

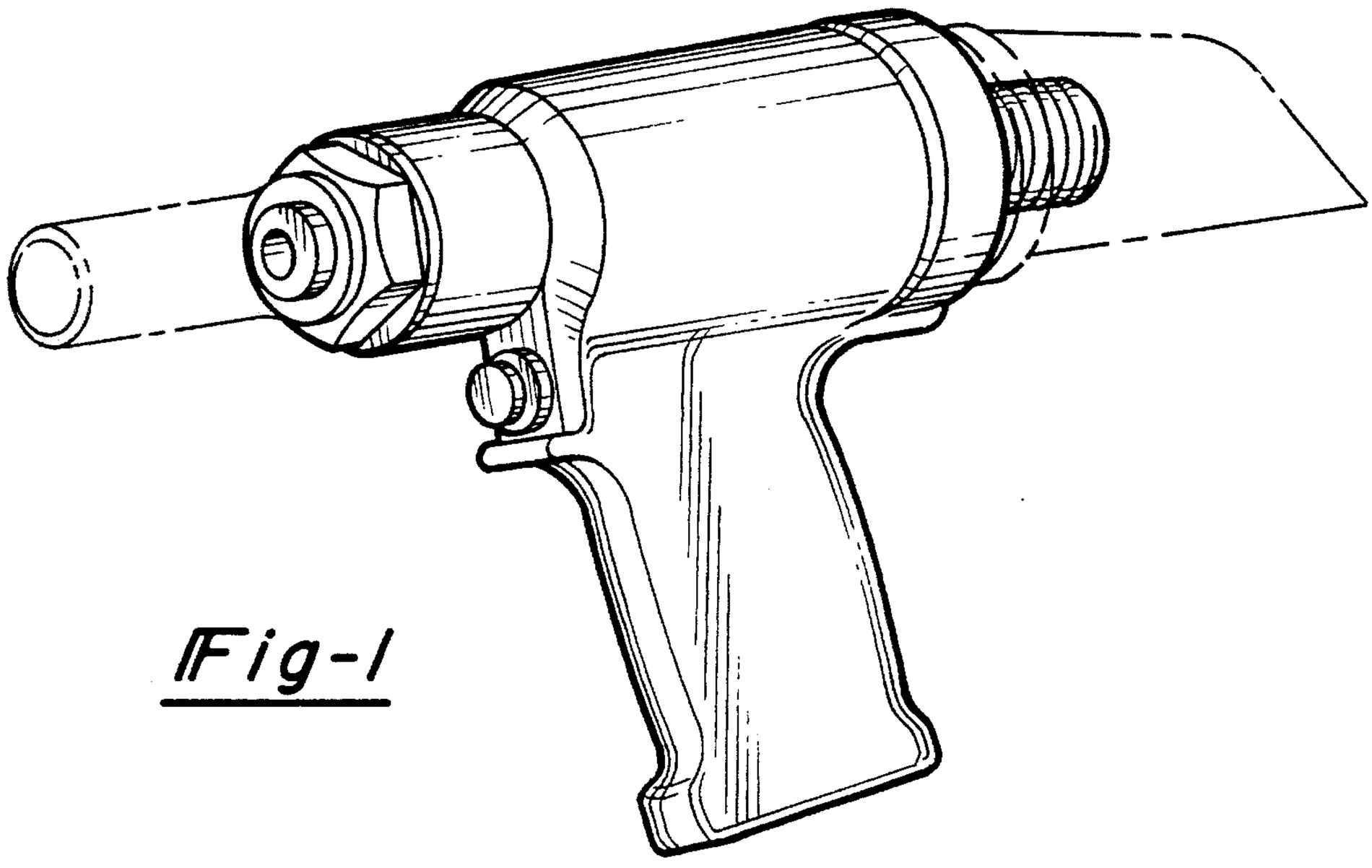


Fig-1

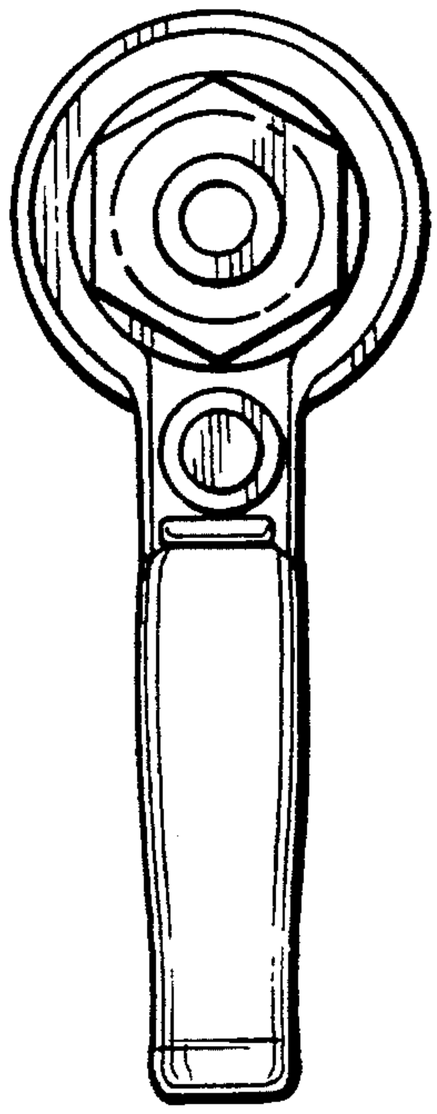


Fig-2

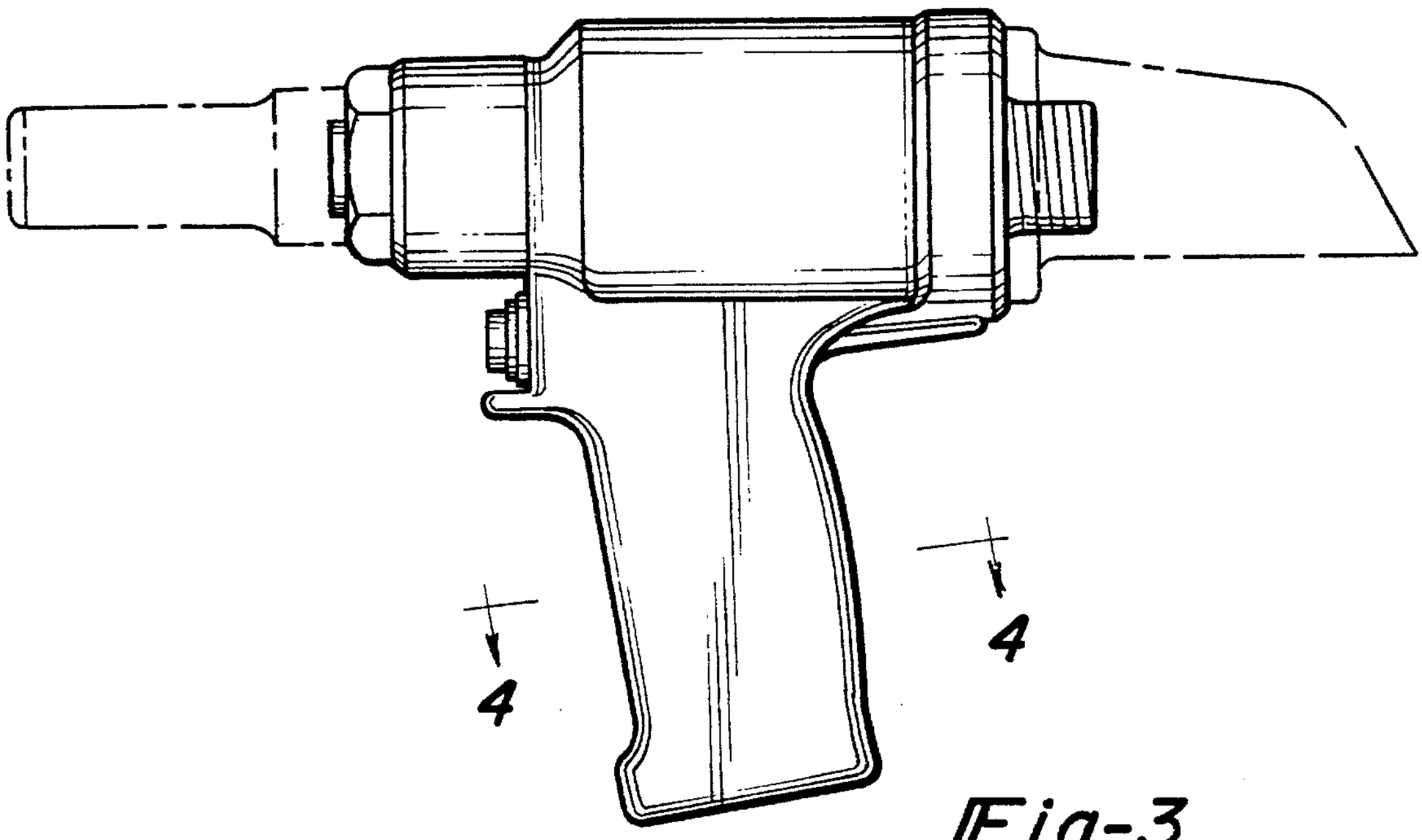
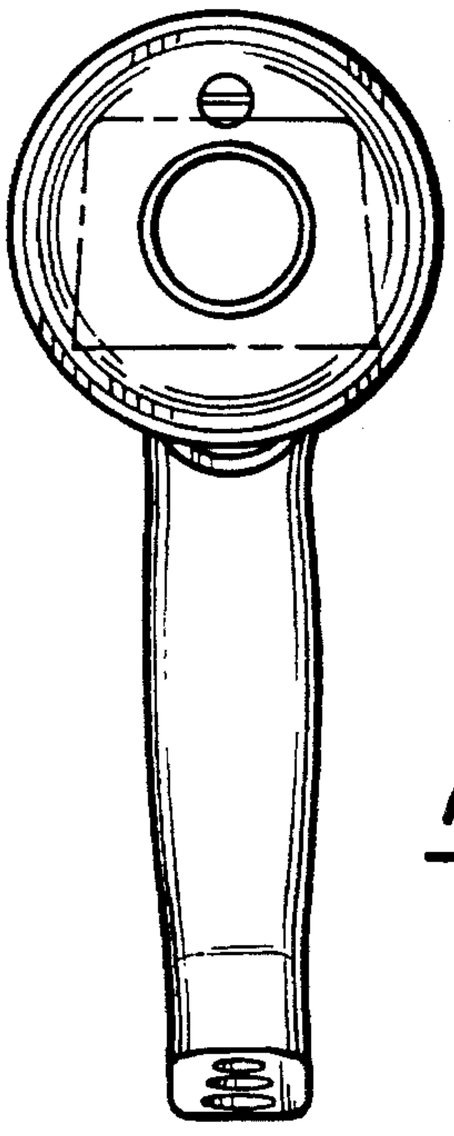


Fig-3



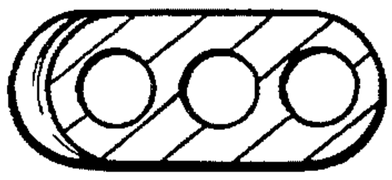


Fig-4

Fig-5

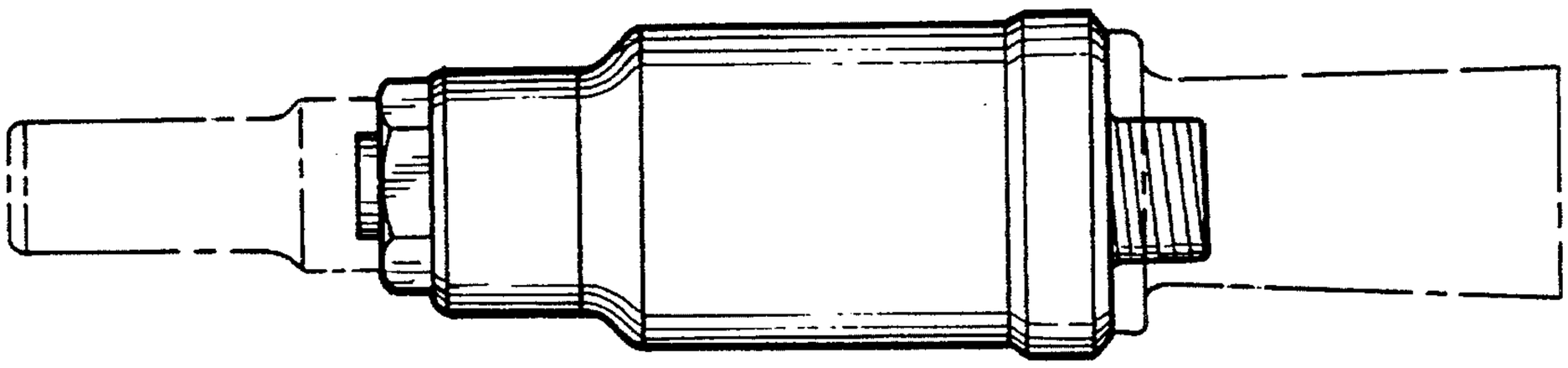


Fig-6

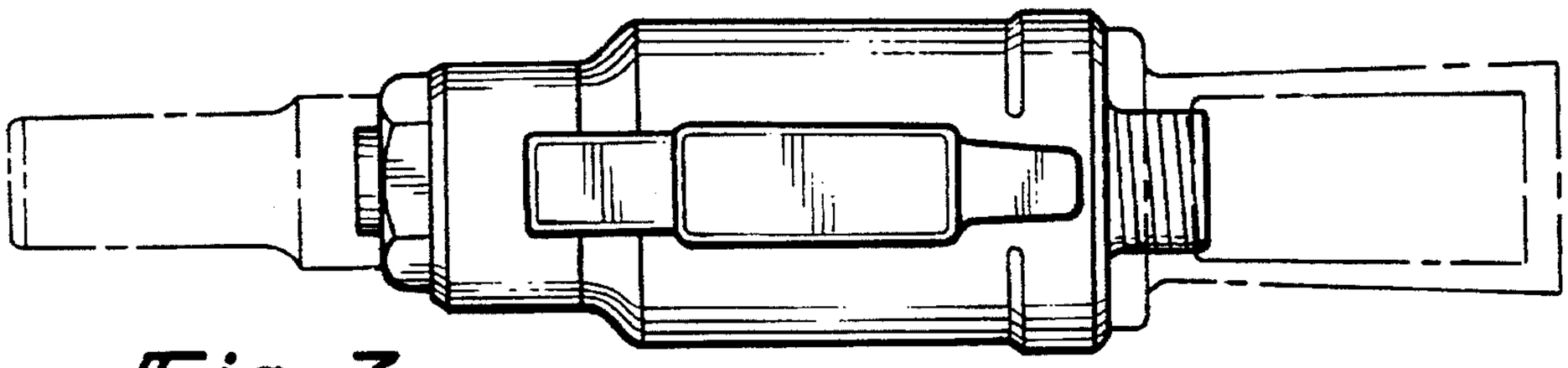


Fig-7

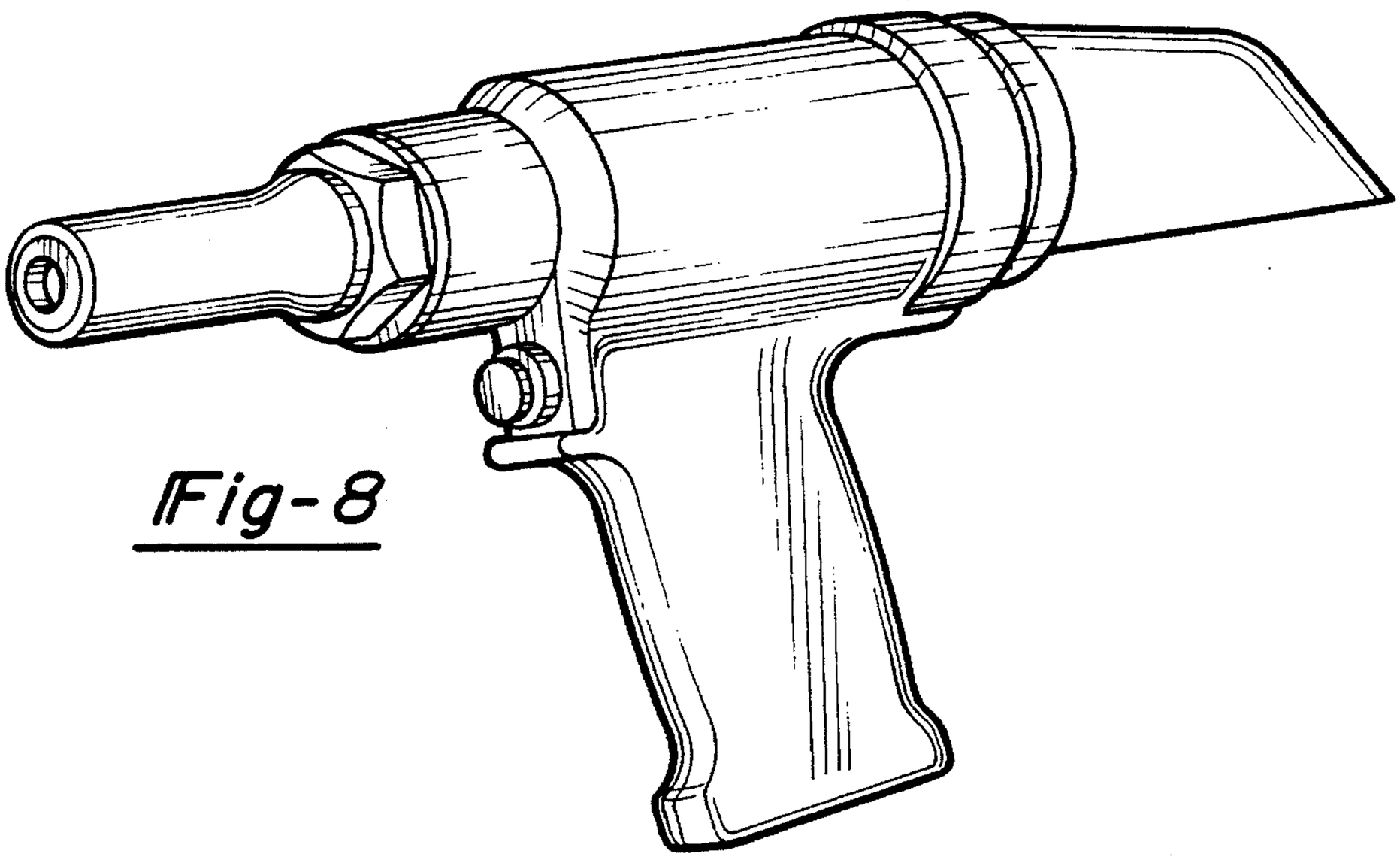


Fig-8

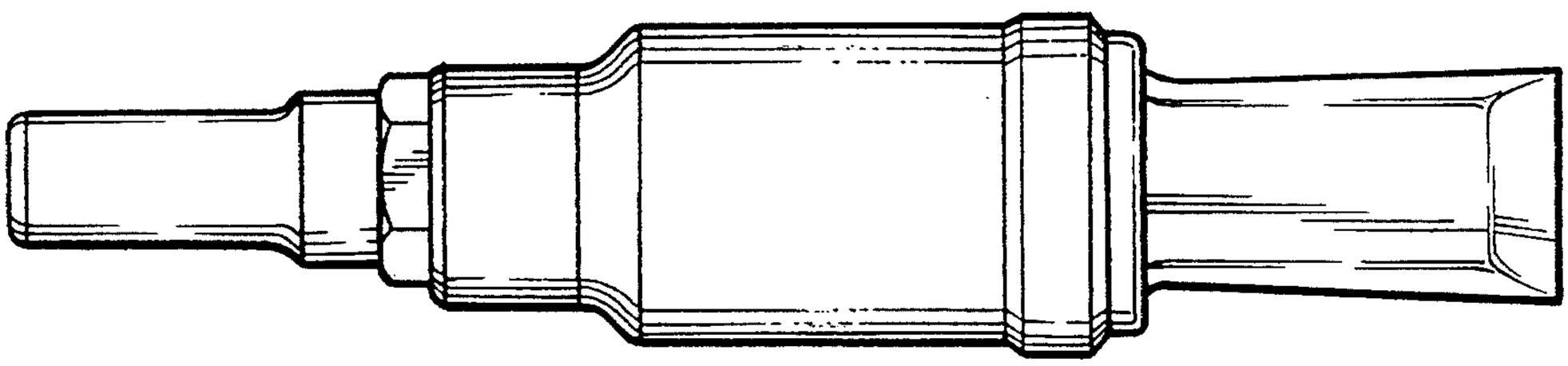


Fig-9

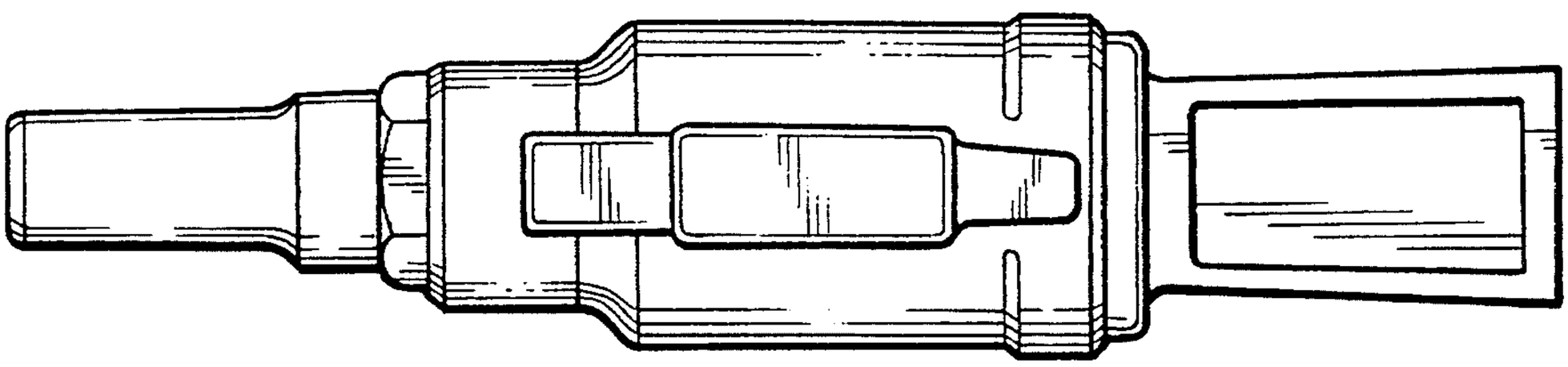


Fig-10

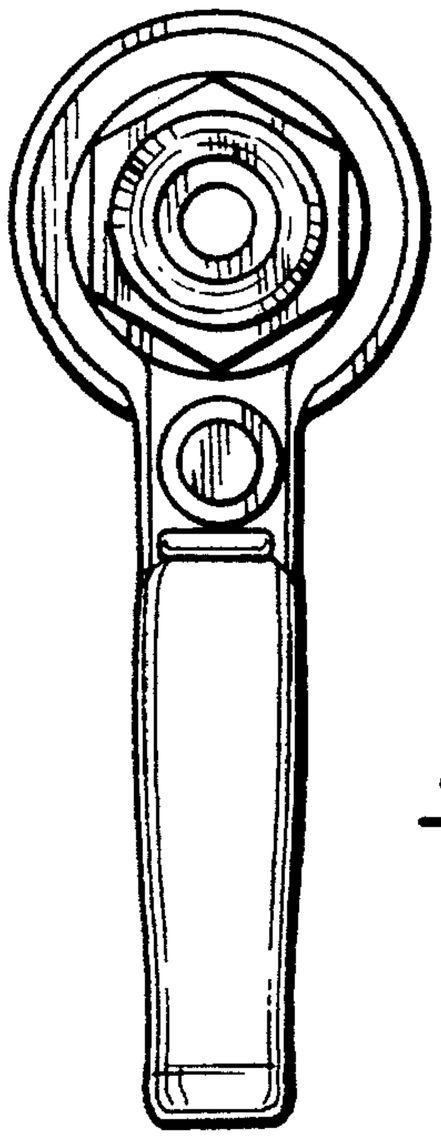


Fig-11

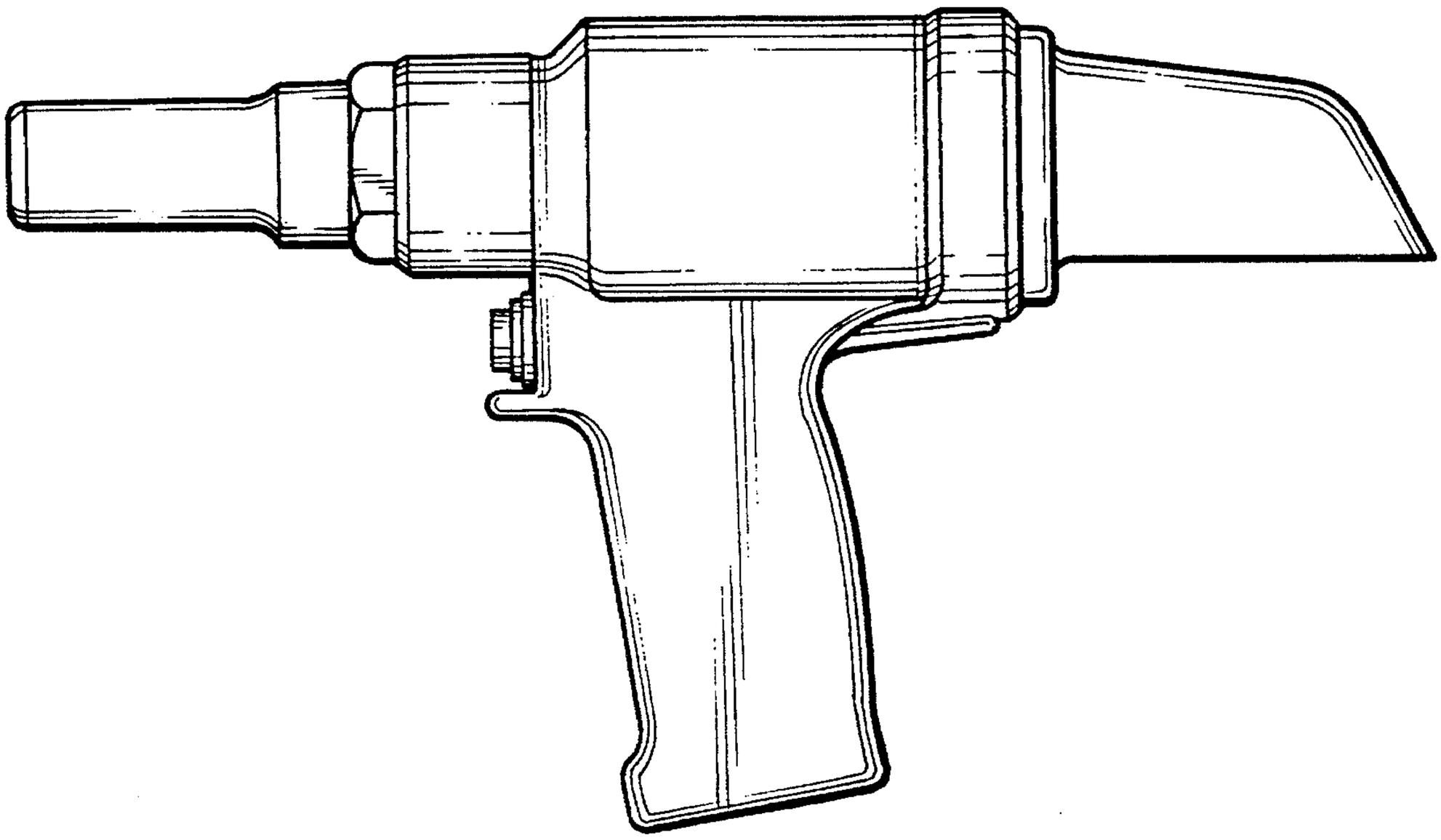


Fig-12

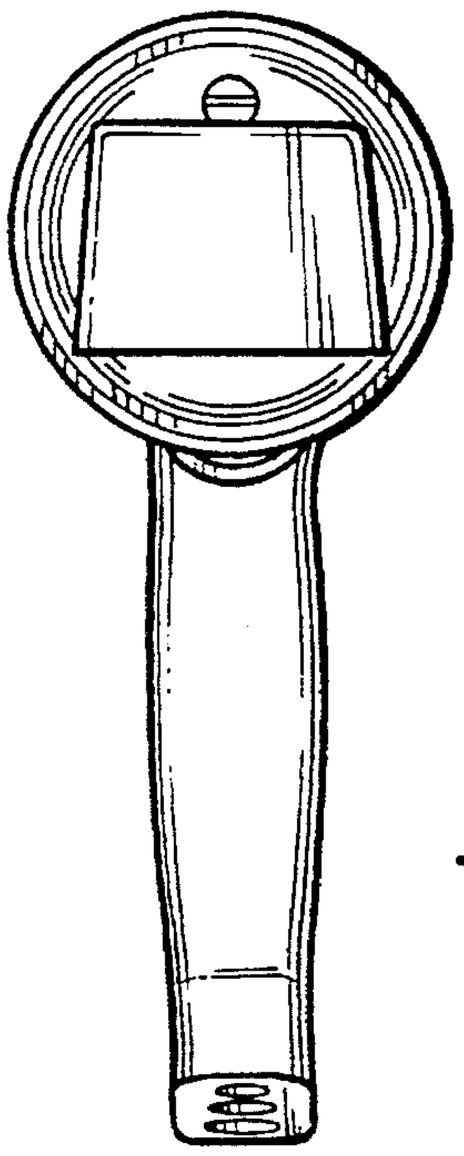


Fig-13