



US00D476204S

(12) **United States Design Patent**
Chang-Kao

(10) **Patent No.:** **US D476,204 S**

(45) **Date of Patent:** **** Jun. 24, 2003**

(54) **WRENCH**

(75) **Inventor:** **Chiu-Man Chang-Kao**, No. 38-1,
Hsiang Nung Hsiang, Hsi Nan Road,
Wu Jih, Taichung Hsien (TW)

(73) **Assignees:** **Chiu-Man Chang-Kao**, Taichung Hsien
(TW); **Mei-Chen Wang**, Taichung
(TW)

(**) **Term:** **14 Years**

(21) **Appl. No.:** **29/162,913**

(22) **Filed:** **Jun. 21, 2002**

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

(52) **U.S. Cl.** **D8/28; D8/21; D8/22**

(58) **Field of Search** **D8/17, 21-29;**
81/119, 125.1, 124.7, 124.3, 186, 177.1

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 2,720,799 A * 10/1955 Pfof
- 3,709,073 A * 1/1973 Kurtz
- 5,231,904 A 8/1993 Masbaum

D360,118 S * 7/1995 Stanepher, Sr. et al. D8/21

D414,089 S * 9/1999 Kuo-Chen D8/28

6,151,996 A 11/2000 Whiteford

6,227,079 B1 5/2001 Liu

2001/0020404 A1 9/2001 Chang-Kao

* cited by examiner

Primary Examiner—Raphael Barkai

(74) *Attorney, Agent, or Firm*—Alan D. Kamrath; Rider
Bennett, LLP

(57) **CLAIM**

The ornamental design for wrench, as shown and described.

DESCRIPTION

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

FIG. 2 is a front elevational view thereof;

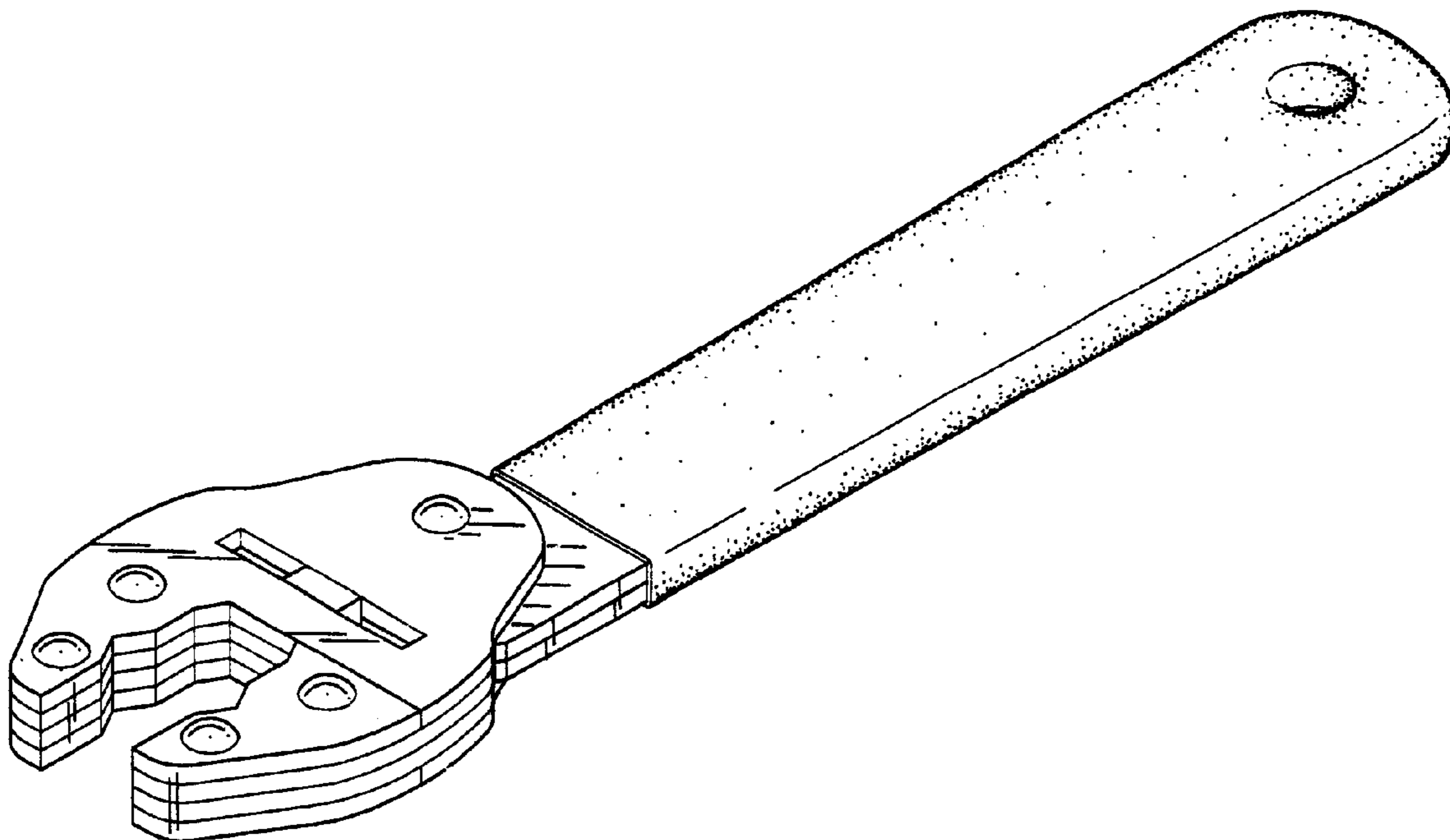
FIG. 3 is a rear elevational view thereof;

FIG. 4 is a left elevational view thereof;

FIG. 5 is a right elevational view thereof; and,

FIG. 6 is a top plan elevational view thereof; the opposite side being a mirror image of the shown.

1 Claim, 2 Drawing Sheets



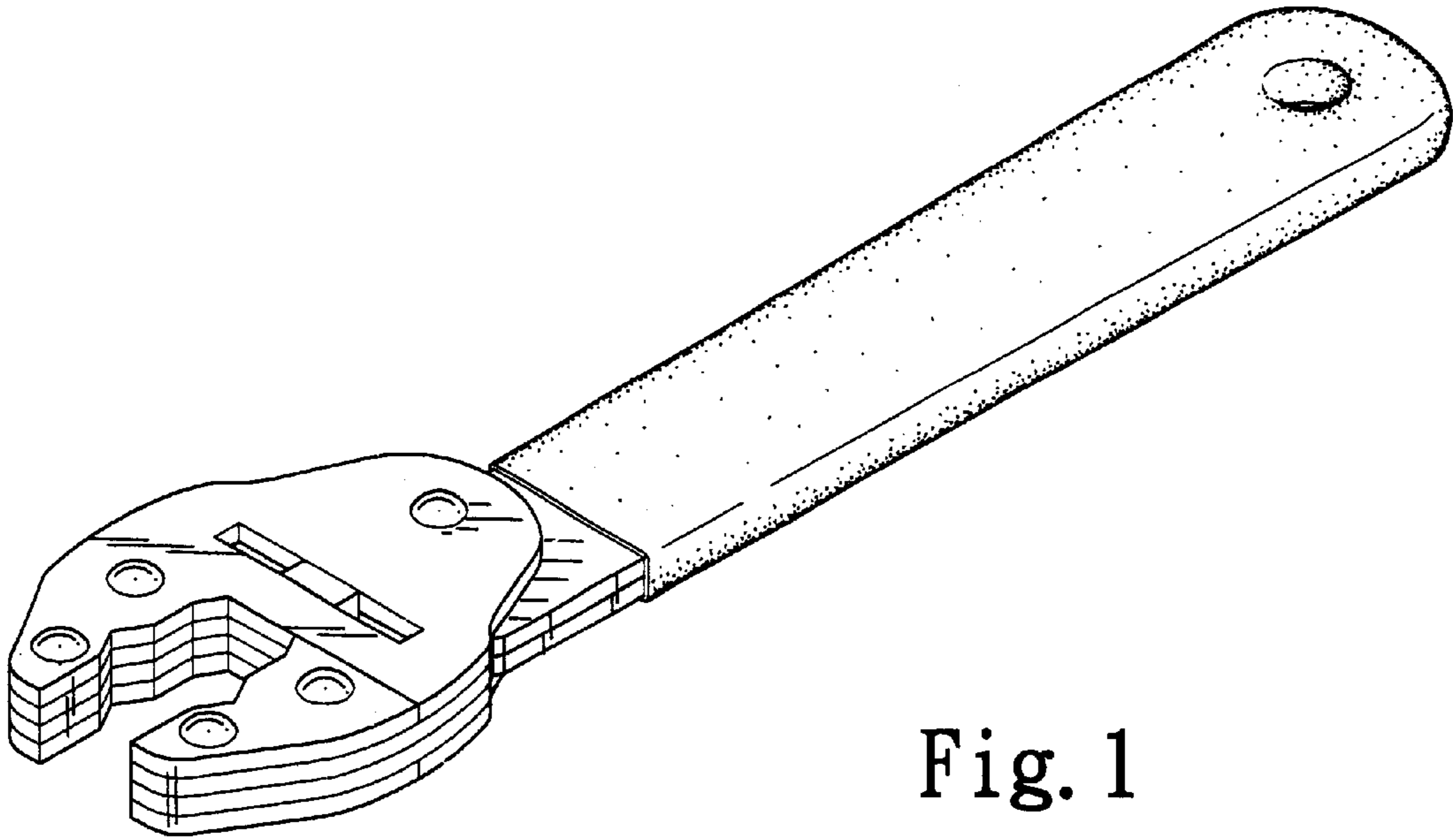


Fig. 1

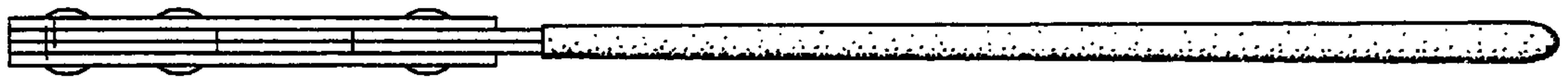


Fig. 2

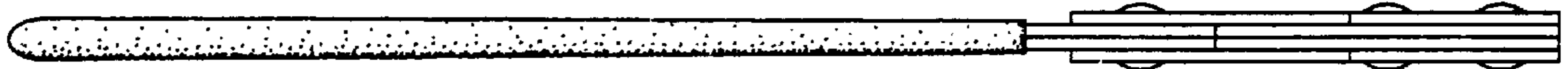


Fig. 3



Fig. 4



Fig. 5

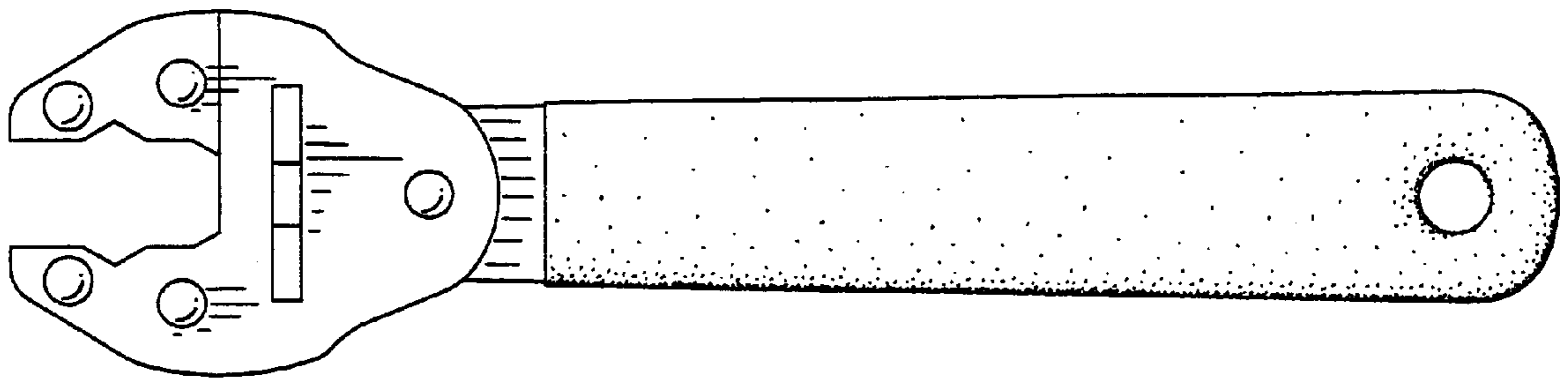


Fig. 6