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(12) **United States Design Patent** (10) **Patent No.:** **US D452,001 S**
Crawford et al. (45) **Date of Patent:** **** Dec. 11, 2001**

(54) **NEEDLE ASSEMBLY**

5,746,215 * 5/1998 Manjarrez 604/198
5,779,679 * 7/1998 Shaw 604/177
6,210,371 * 4/2001 Shaw 604/164.08

(75) Inventors: **Jamieson William Maclean Crawford**,
New York, NY (US); **Stefanie Livanos**,
Bethlehem, PA (US)

* cited by examiner

(73) Assignee: **Becton, Dickinson and Company**,
Franklin Lakes, NJ (US)

Primary Examiner—Ian Simmons
(74) *Attorney, Agent, or Firm*—Nanette S. Thomas

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

(57) **CLAIM**

The ornamental design of a needle assembly, as shown and described.

(21) Appl. No.: **29/135,123**

(22) Filed: **Jan. 5, 2001**

DESCRIPTION

(51) **LOC (7) Cl.** **24-02**

FIG. 1 is a perspective view of the needle assembly;
FIG. 2 is a top plan view thereof;
FIG. 3 is an end elevational view as viewed from the right of FIG. 2;
FIG. 4 is a right side elevational view thereof, with the left side elevational view being a mirror image thereof;
FIG. 5 is an end elevational view as viewed from the left of FIG. 2; and,
FIG. 6 is a bottom plan view thereof.

(52) **U.S. Cl.** **D24/112; D24/130**

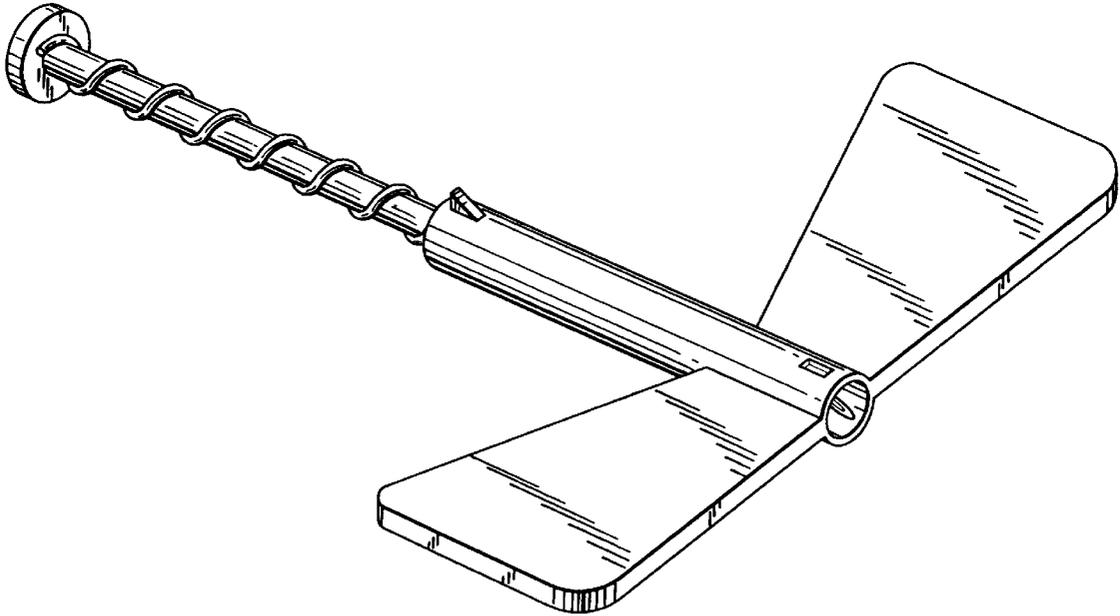
(58) **Field of Search** D24/112, 130,
D24/146, 128, 147; 604/198, 177, 190,
263, 165.08, 165.03, 164.08, 164.07, 164.04,
164.03, 180, 178, 164.01, 165.04, 174

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,549,571 * 8/1996 Sak 604/177

1 Claim, 3 Drawing Sheets



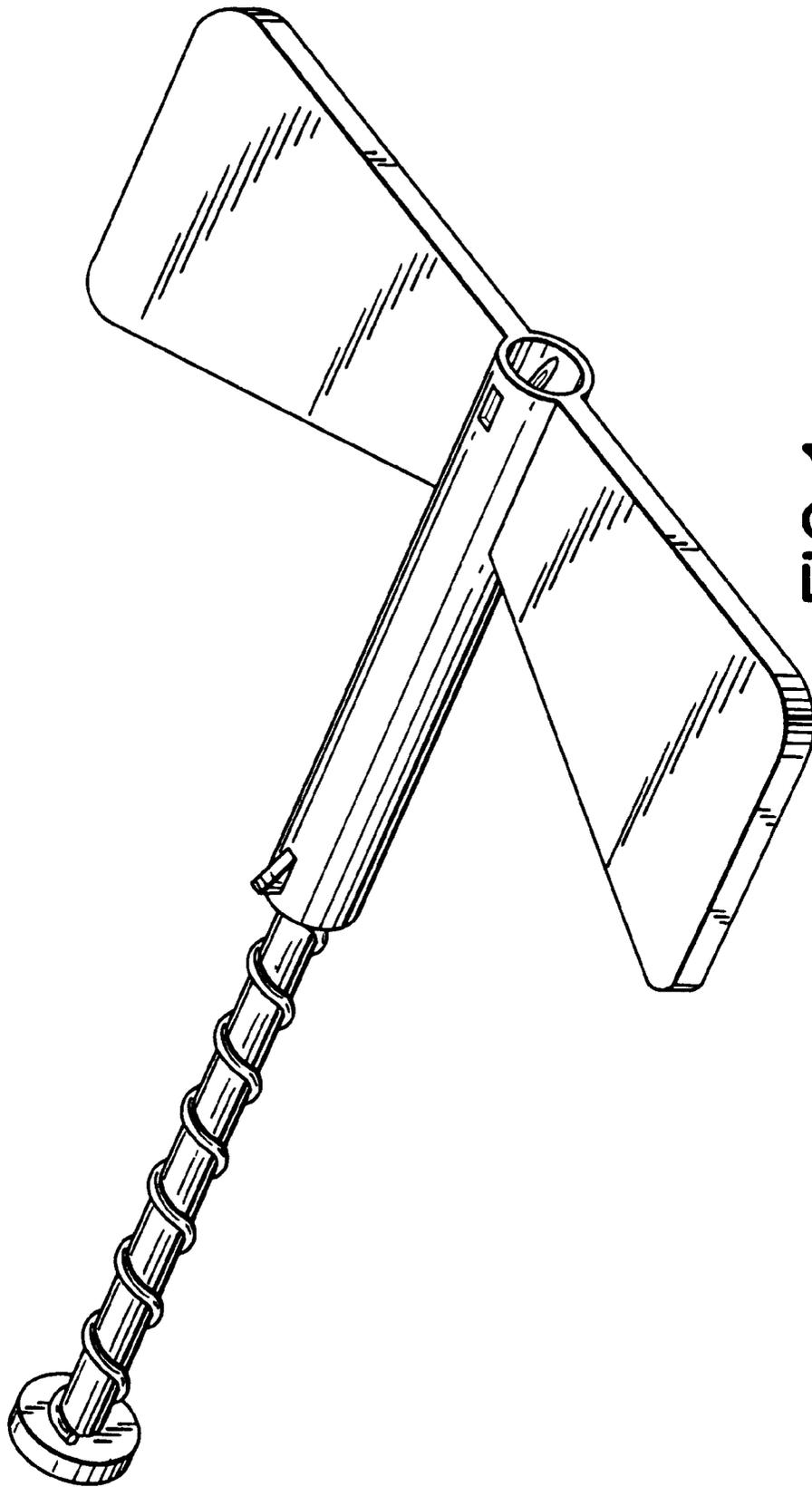


FIG. 1

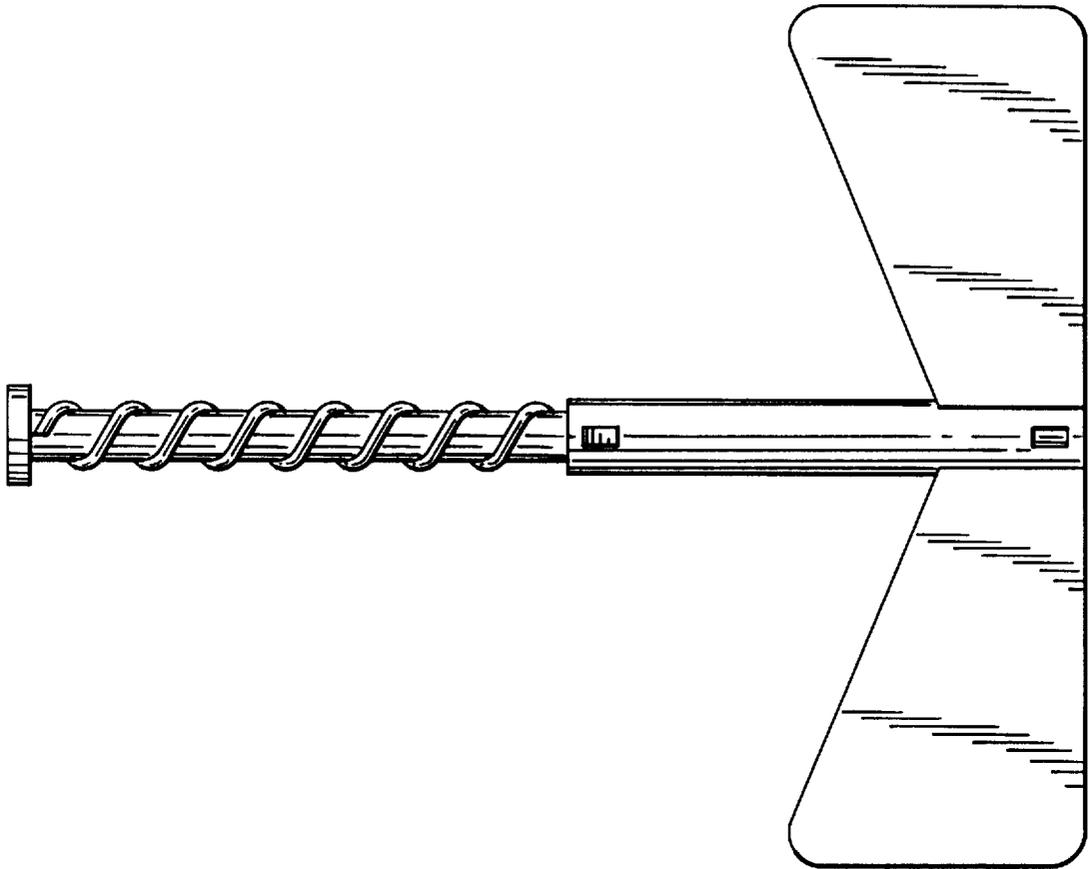


FIG. 2

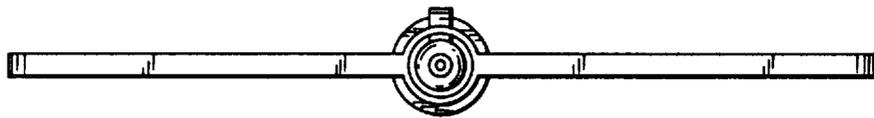


FIG. 3

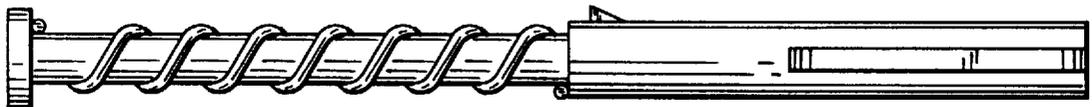


FIG. 4



FIG. 5

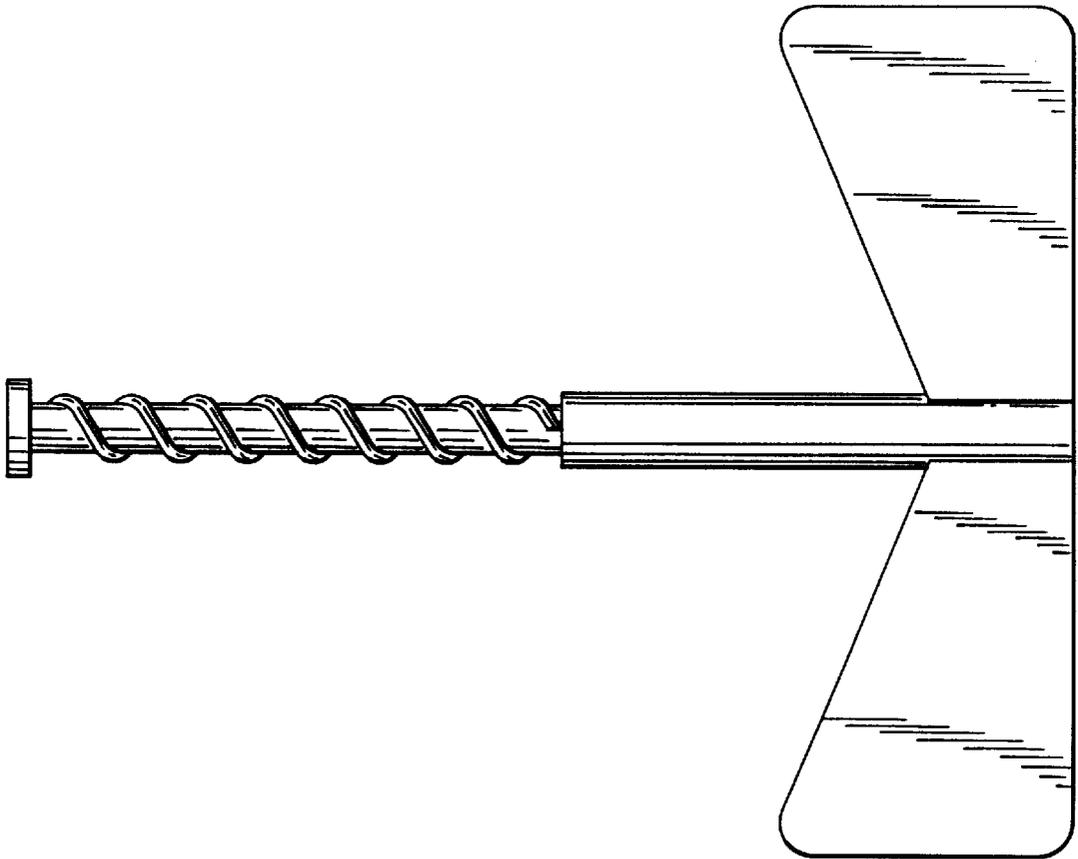


FIG. 6