



US00D348810S

United States Patent [19]

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Johnson

[45] Date of Patent: **** Jul. 19, 1994**

[54] **FLANGE SPREADER**

4,542,667 9/1985 Jang 81/177.2

[75] Inventor: **Patrick R. Johnson**, Clifton, Tex.

OTHER PUBLICATIONS

[73] Assignee: **Orbix Corporation**, Clifton, Tex.

Price List, "Titan Flange Spreader," Manufactured by Gearench Mfg. Company, Houston, Tex., Published prior to the application.

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

Brochure, "Flange-Jacks," The Garlock Packing Company, Palmyra, N.Y. Published Prior to the application. "Catalog 92," McMaster-Carr Supply Company, p. 1217.

[21] Appl. No.: **2,665**

[22] Filed: **Dec. 18, 1992**

[52] U.S. Cl. **D8/14; D8/88**

"Products Catalog," Gearench, Inc., Clifton, Tex., p. 30 (1990).

[58] Field of Search **D8/14, 88, 89, 82, 87; 81/177.2, 488; 254/100, 104, 113, 120; 7/166**

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Assistant Examiner—Philip Hyder

Attorney, Agent, or Firm—Arnold, White & Durkee

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[57] CLAIM

The ornamental design for a flange spreader, as shown and described.

DESCRIPTION

FIG. 1 is a front and left side elevational view of a flange spreader showing my new design;
FIG. 2 is a rear elevational view thereof;
FIG. 3 is a left side elevational view thereof;
FIG. 4 is a top view of the flange spreader of FIG. 1; and,
FIG. 5 is a bottom view of the flange spreader of FIG. 1.

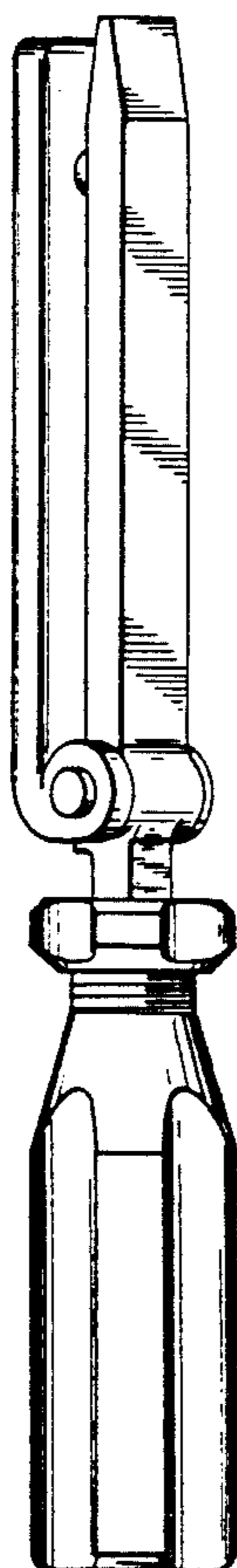


Fig. 4

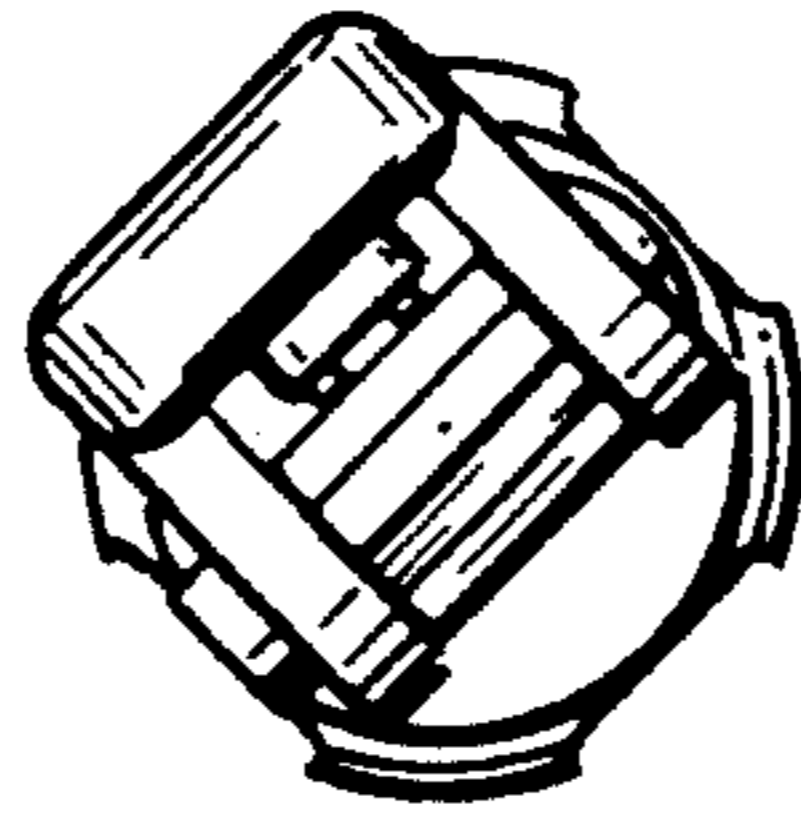


Fig. 3

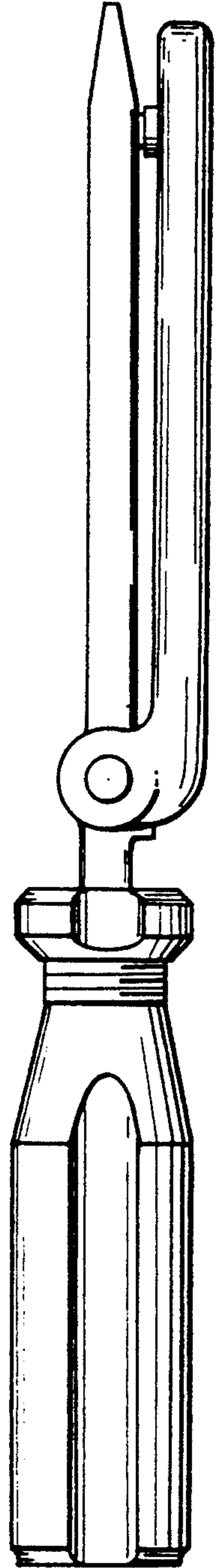


Fig. 1

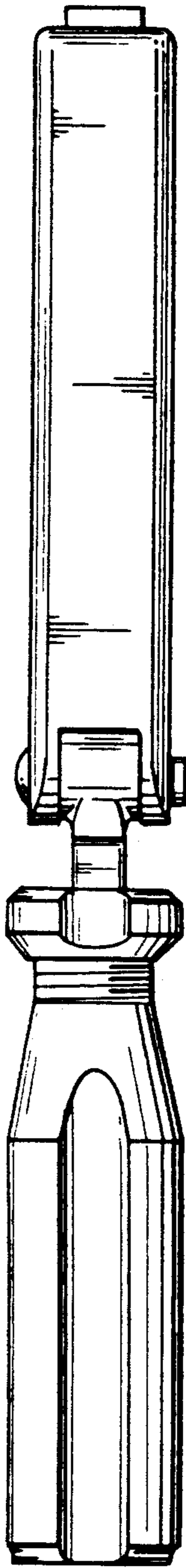
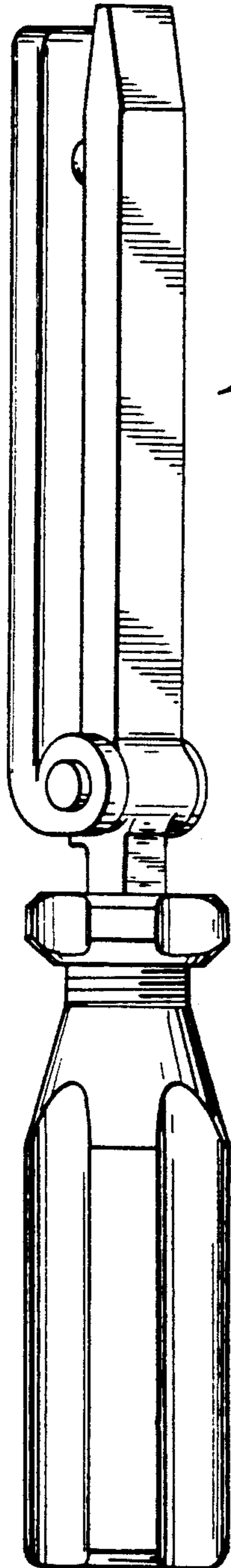


Fig. 2

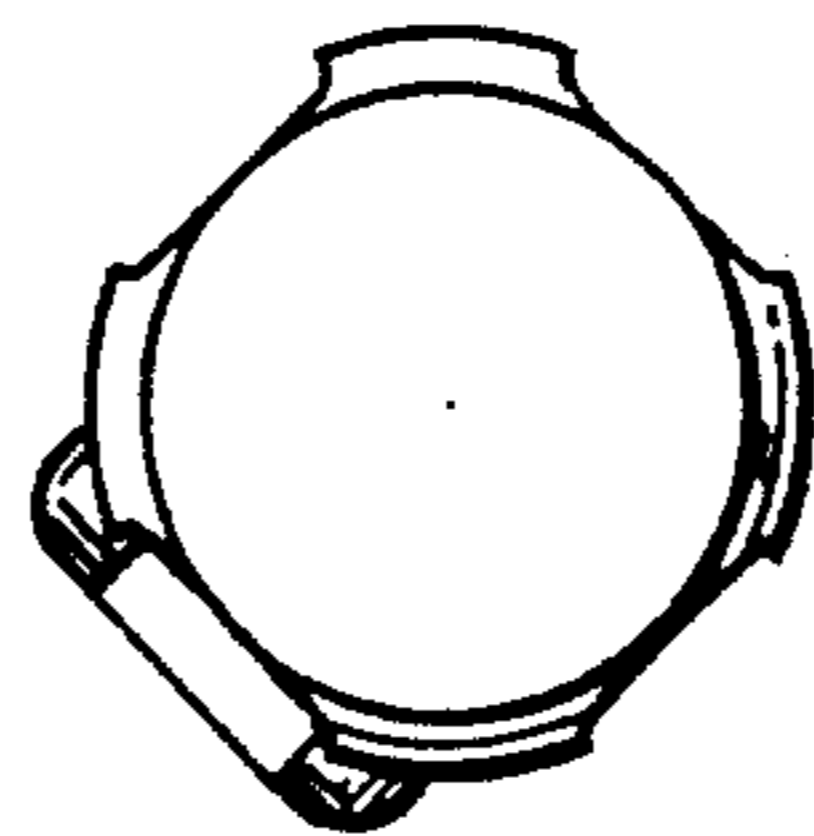


Fig. 5