United States Patent

Budzinski et al.

Patent Number: Des. 296,816 [11] Date of Patent: ** Jul. 19, 1988

| [54] | TUBE COUPLER | |
|-------------------------|-----------------------------|---|
| [75] | Inventors: | Walter J. Budzinski; Manfred K. Kuttruff, both of Sterling Heights; Leo S. Stanish, Grosse Pointe Woods; Larry G. Turner, Clarkston, all of Mich. |
| [73] | Assignee: | Brass-Craft Manufacturing Company, Southfield, Mich. |
| [**] | Term: | 14 Years |
| [21] | Appl. No.: | 783,206 |
| | Filed: Oct. 2, 1985 U.S. Cl | |
| [56] References Cited | | |
| U.S. PATENT DOCUMENTS | | |
| D. 53,689 8/1919 Pickop | | |

Primary Examiner—James R. Largen Attorney, Agent, or Firm-Steven L. Permut; Malcolm L. Sutherland

1,838,180 12/1931 Hitchcock 285/156 X

3,831,983 8/1974 Stickler 285/156 X

[57] **CLAIM**

[45]

The ornamental design for a tube coupler, substantially as shown and described.

DESCRIPTION

FIG. 1 is a perspective view taken from the top, one side and one end of a tube coupler showing our new design;

FIG. 2 is an elevational view taken at a 45° angle from the top shown in FIG. 1;

FIG. 3 is a top plan view thereof;

FIG. 4 is a side elevational view thereof, the opposite side being a mirror image of the side shown;

FIG. 5 is a bottom plan view thereof;

FIG. 6 is an elevational view taken 180° from the view shown in FIG. 2;

FIG. 7 is a perspective view taken from the top, one side and one end of a modified form of the tube coupler shown in FIG. 1;

FIG. 8 is a top plan view of FIG. 7;

FIG. 9 is a side elevational view of FIG. 7, the opposite side being the same as the side shown;

FIG. 10 is an end elevational view of FIG. 7, the opposite end being the same as the end shown;

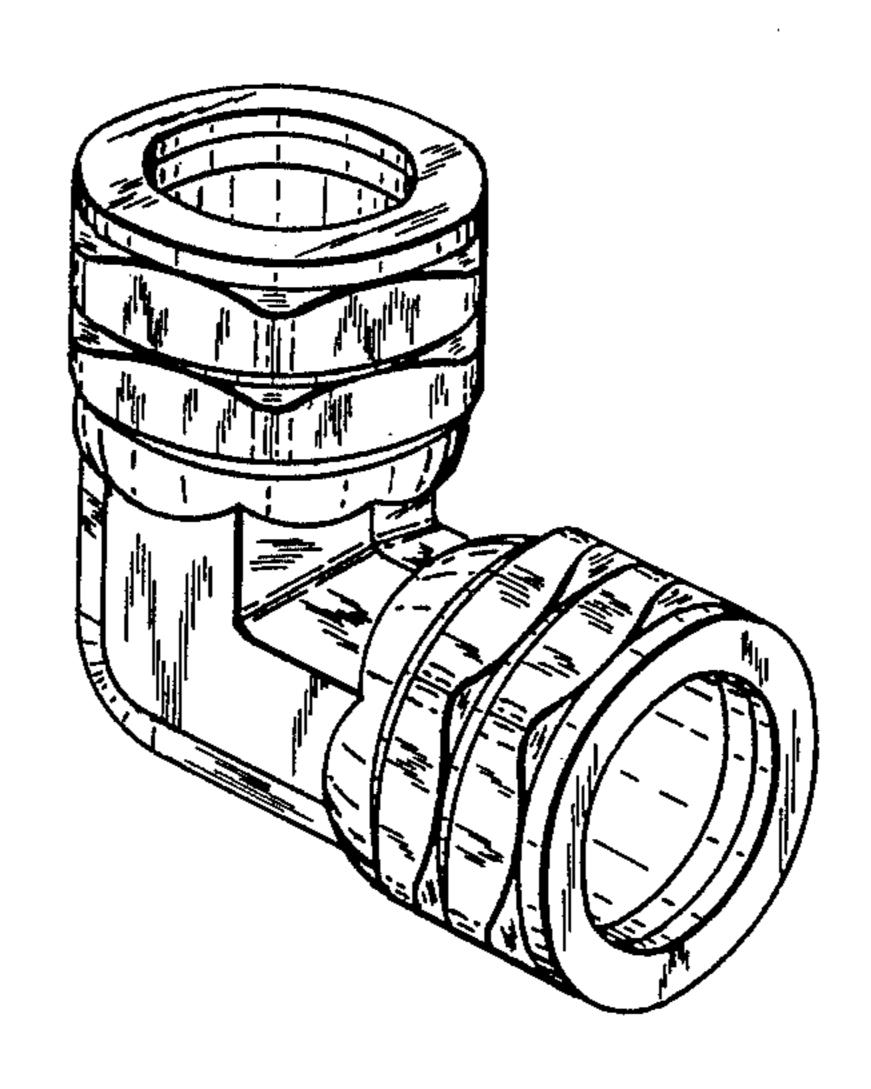
FIG. 11 is a bottom plan view of FIG. 7;

FIG. 12 is a perspective view taken from the top, one side and one end of a second modified form of the tube coupler shown in FIG. 1;

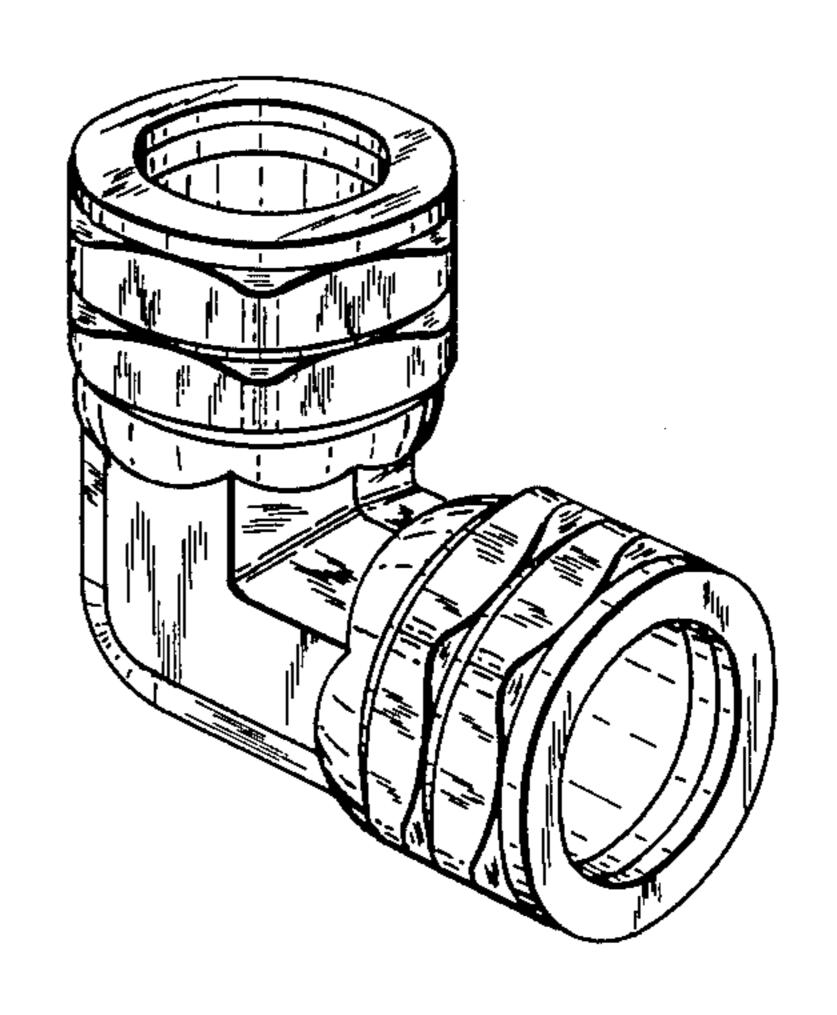
FIG. 13 is a top plan view of FIG. 12, the bottom being the same as the top shown;

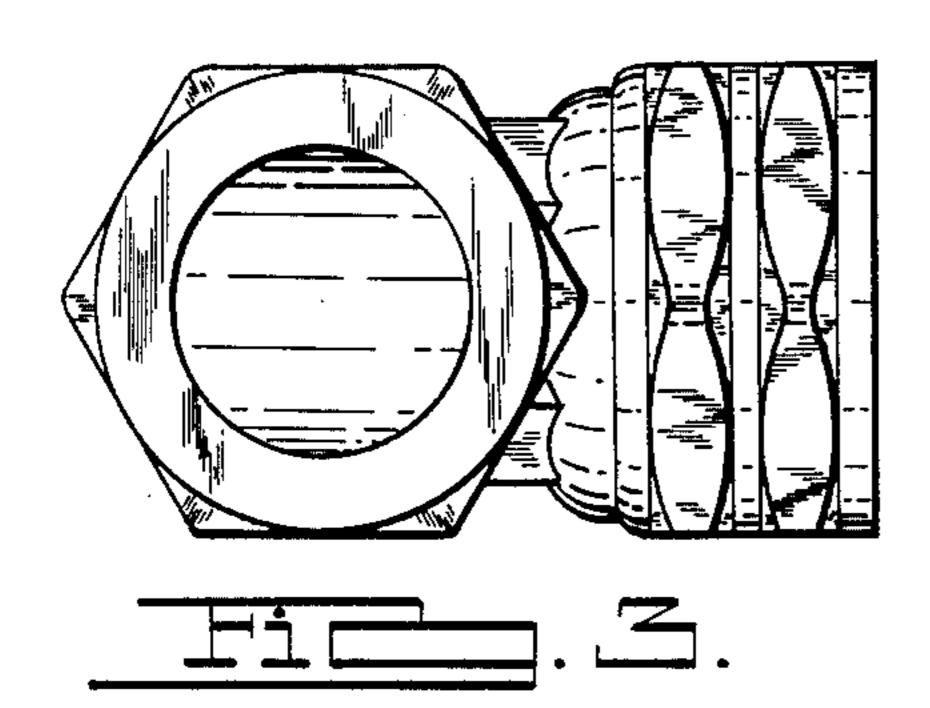
FIG. 14 is a side elevational view of FIG. 12, the opposite side being the same as the side shown; and,

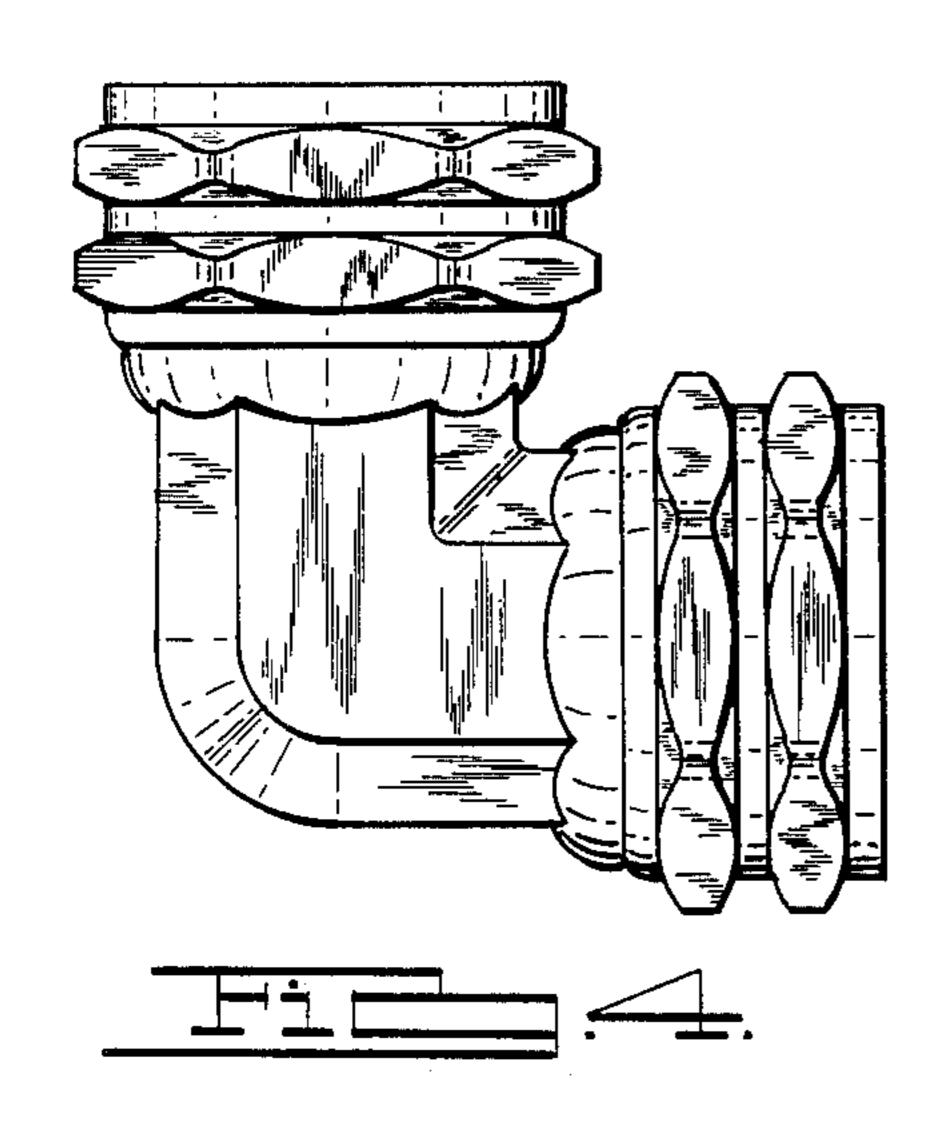
FIG. 15 is an end elevational view of FIG. 12, the opposite end being the same as the end shown.

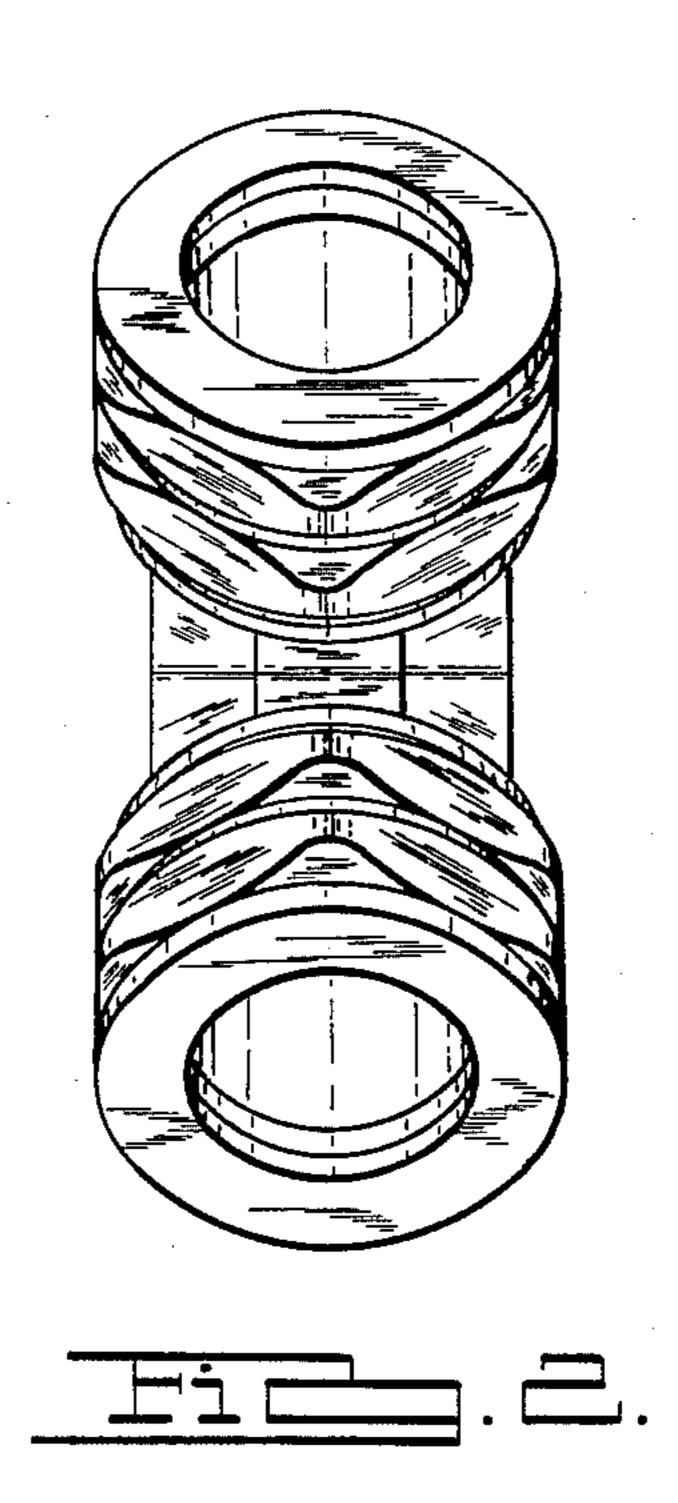


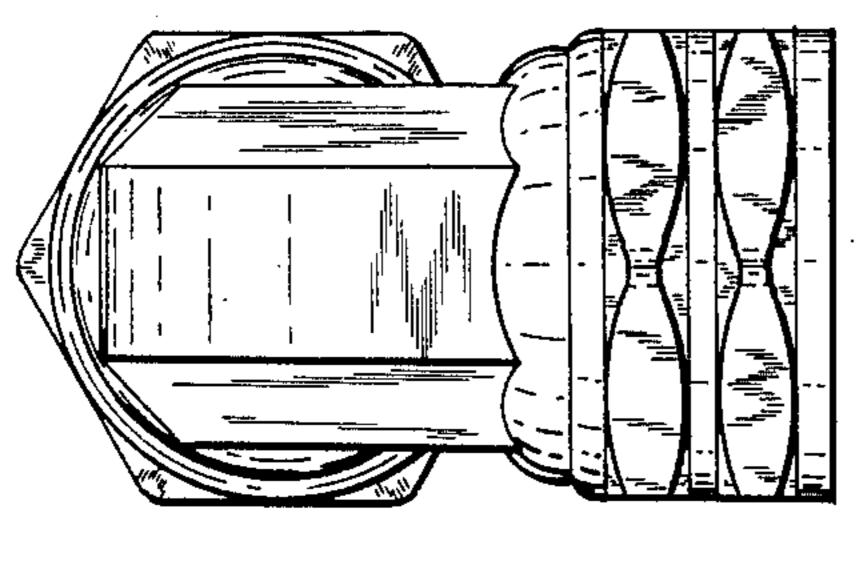


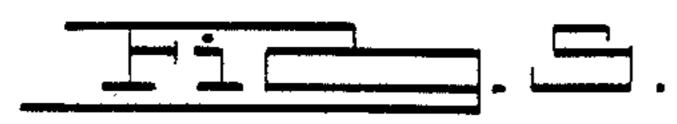


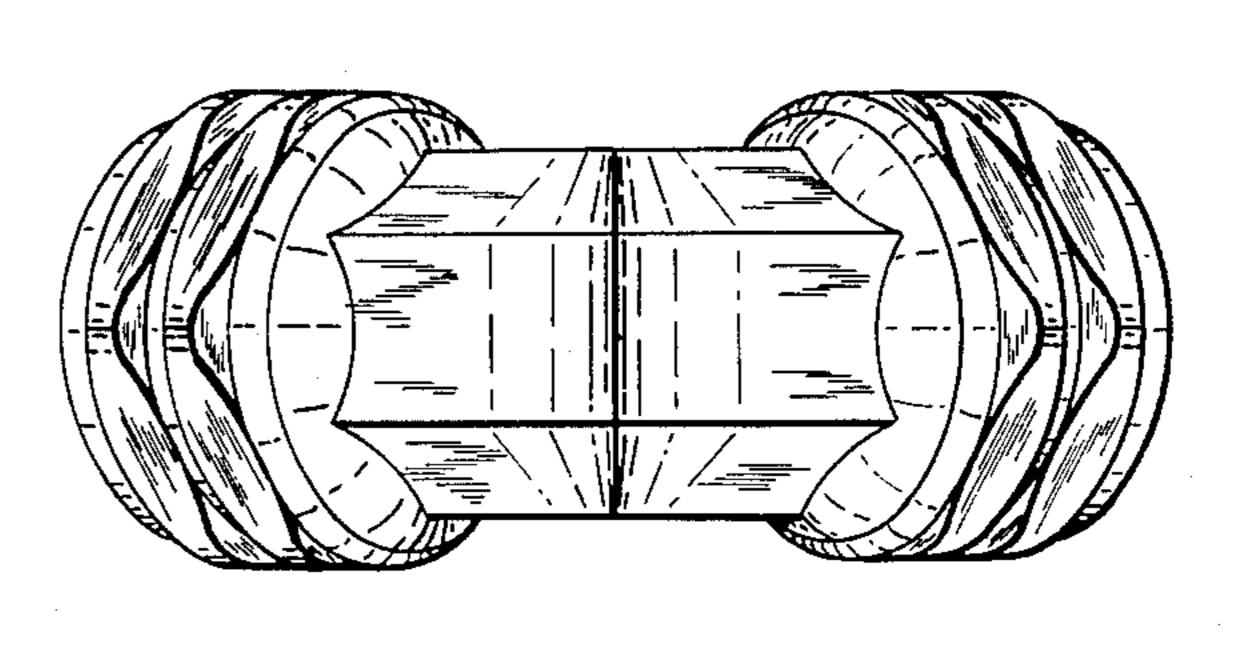




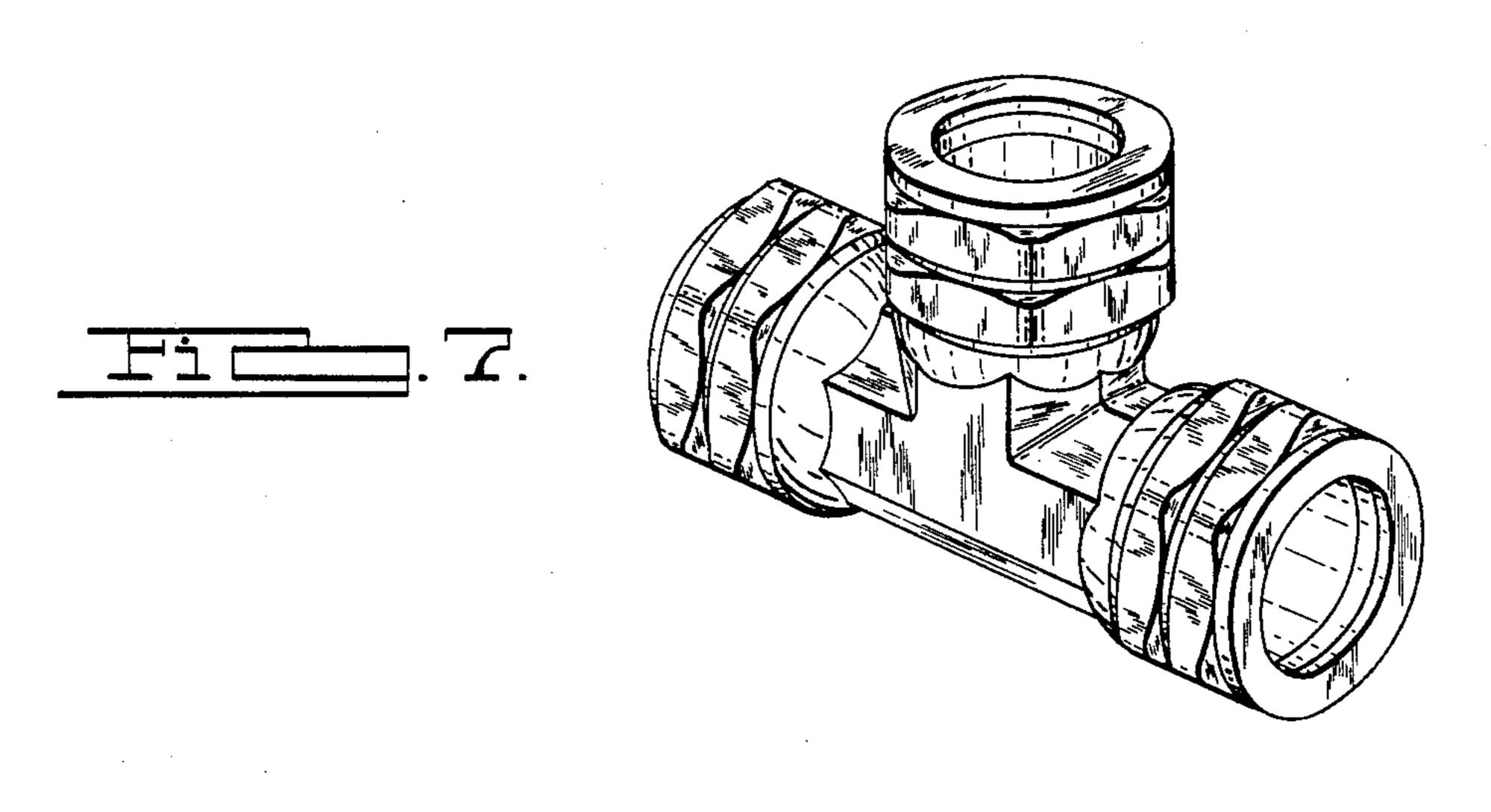


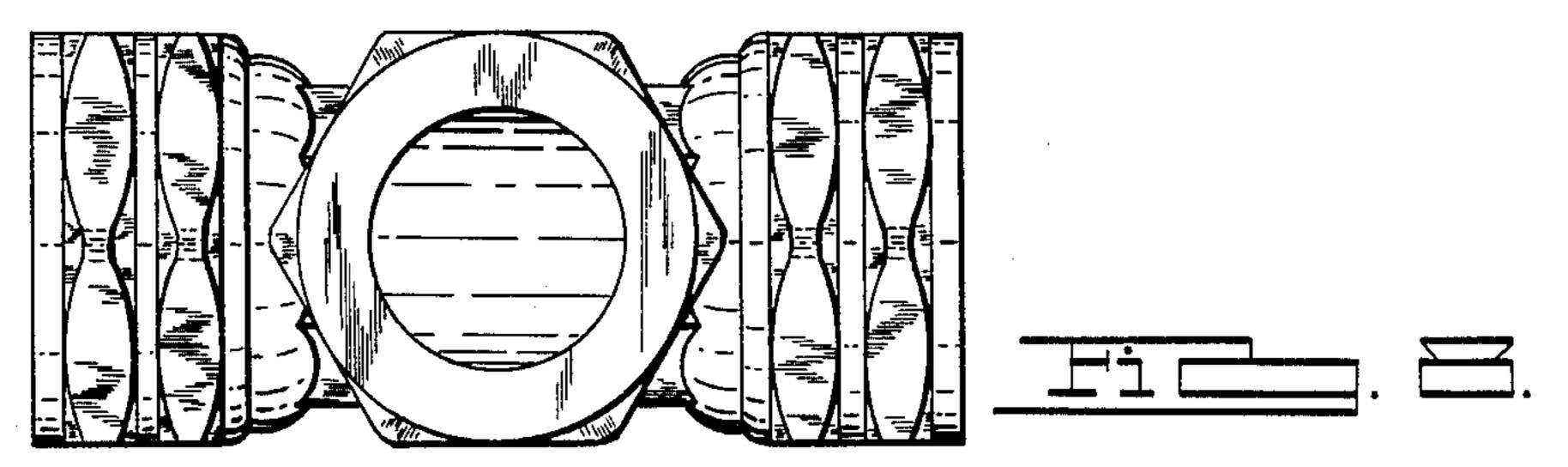


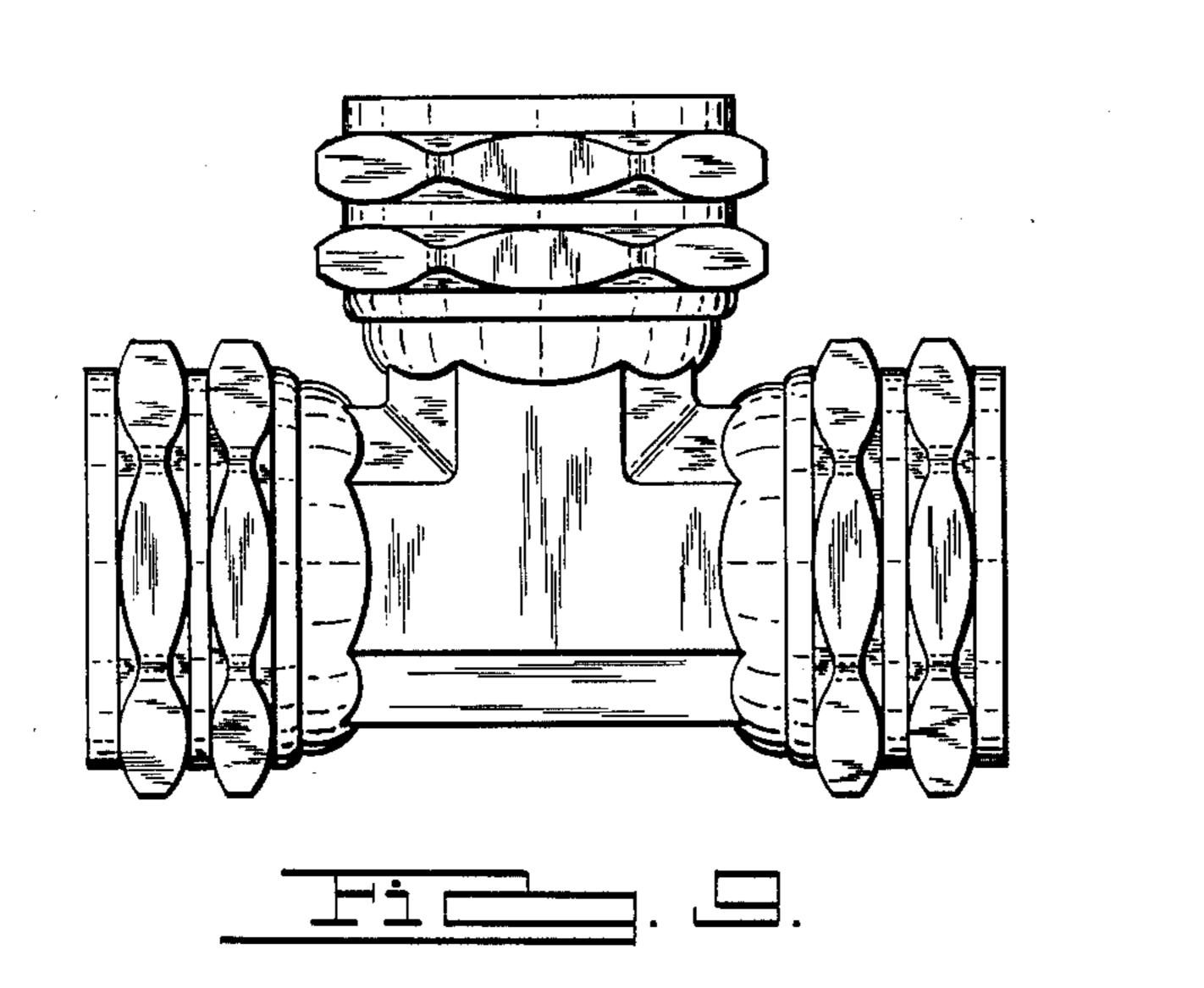


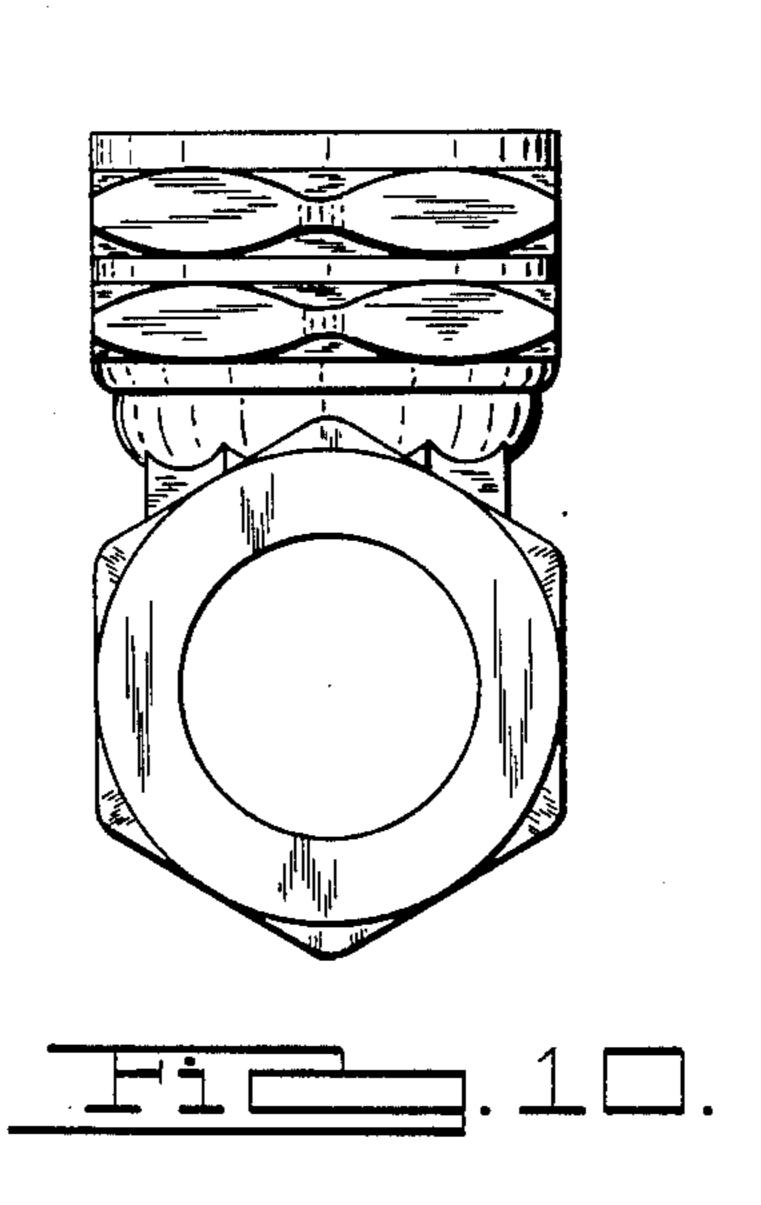


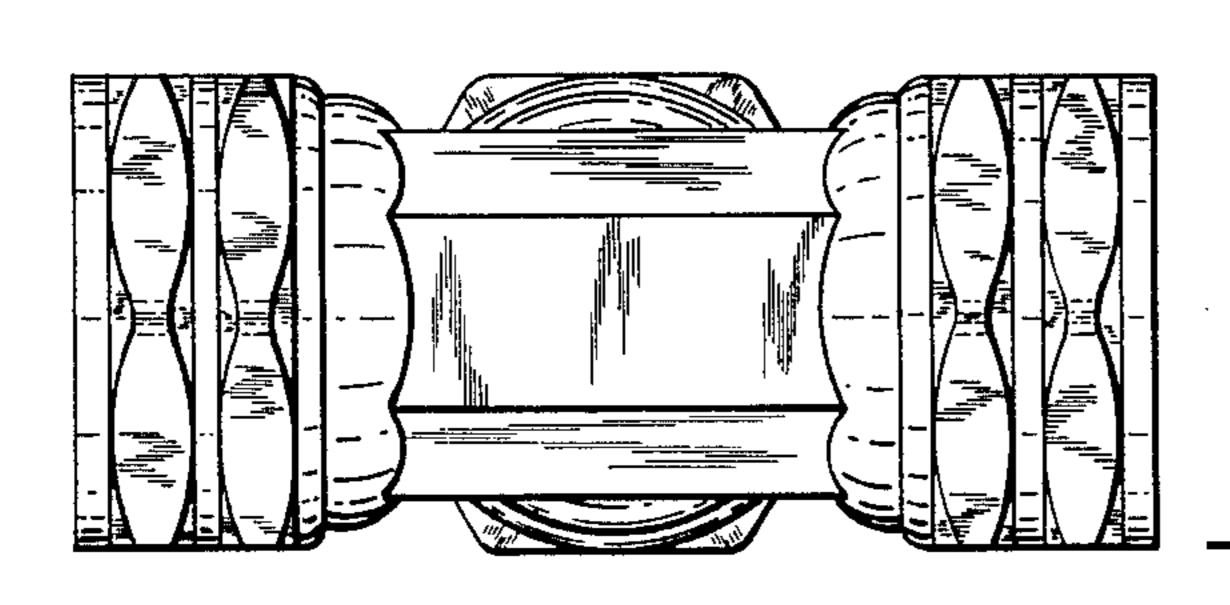
U.S. Patent

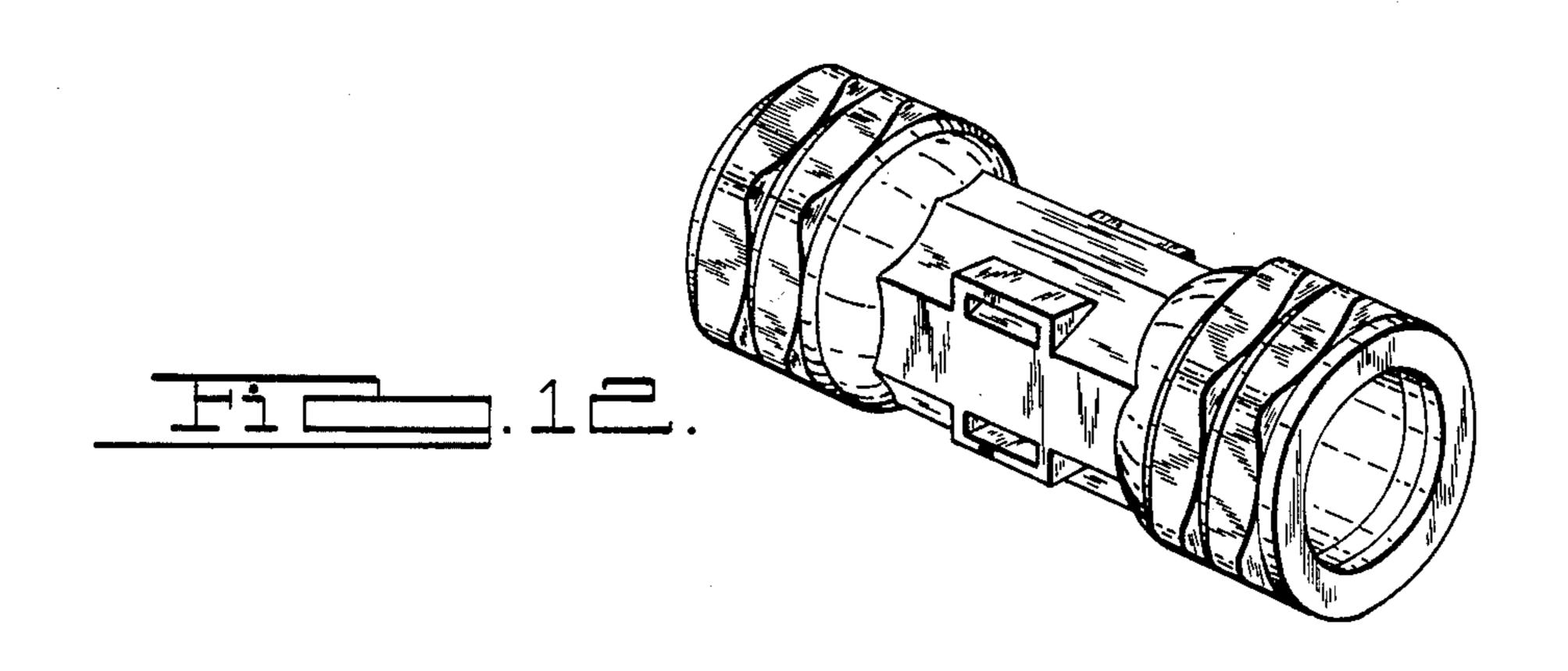


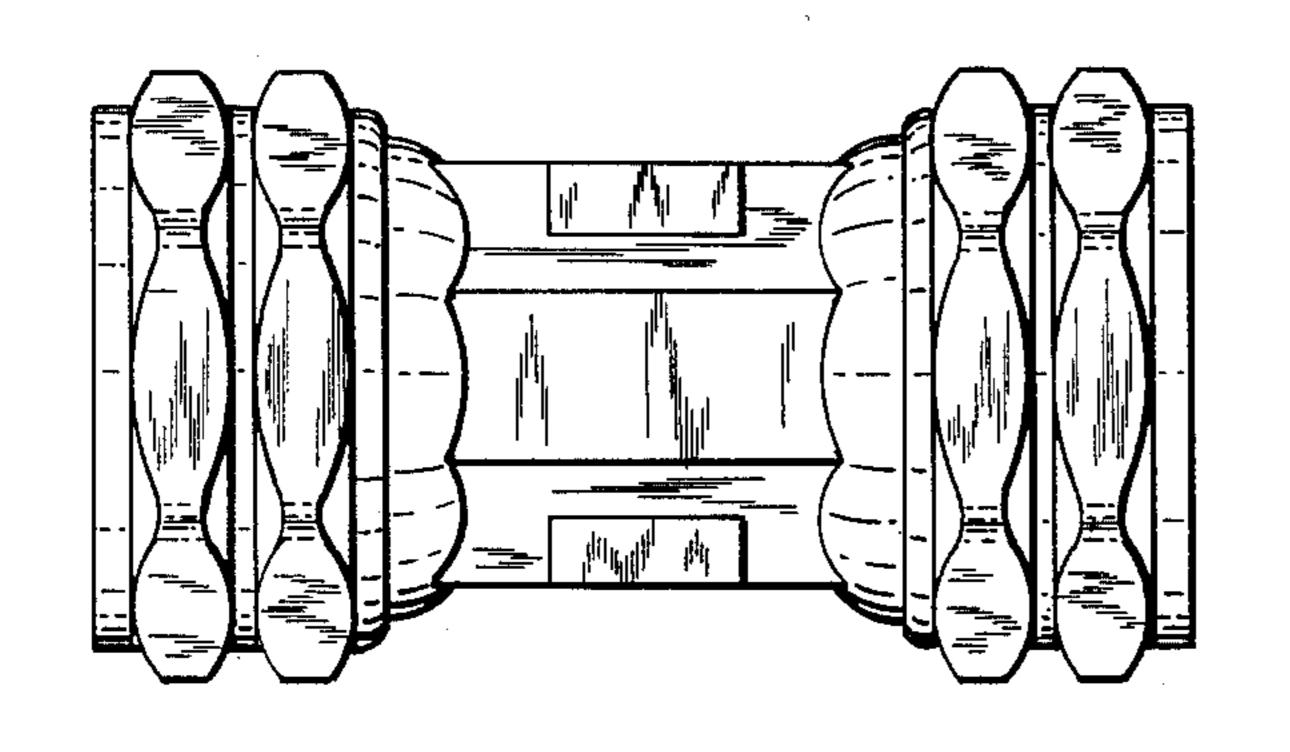




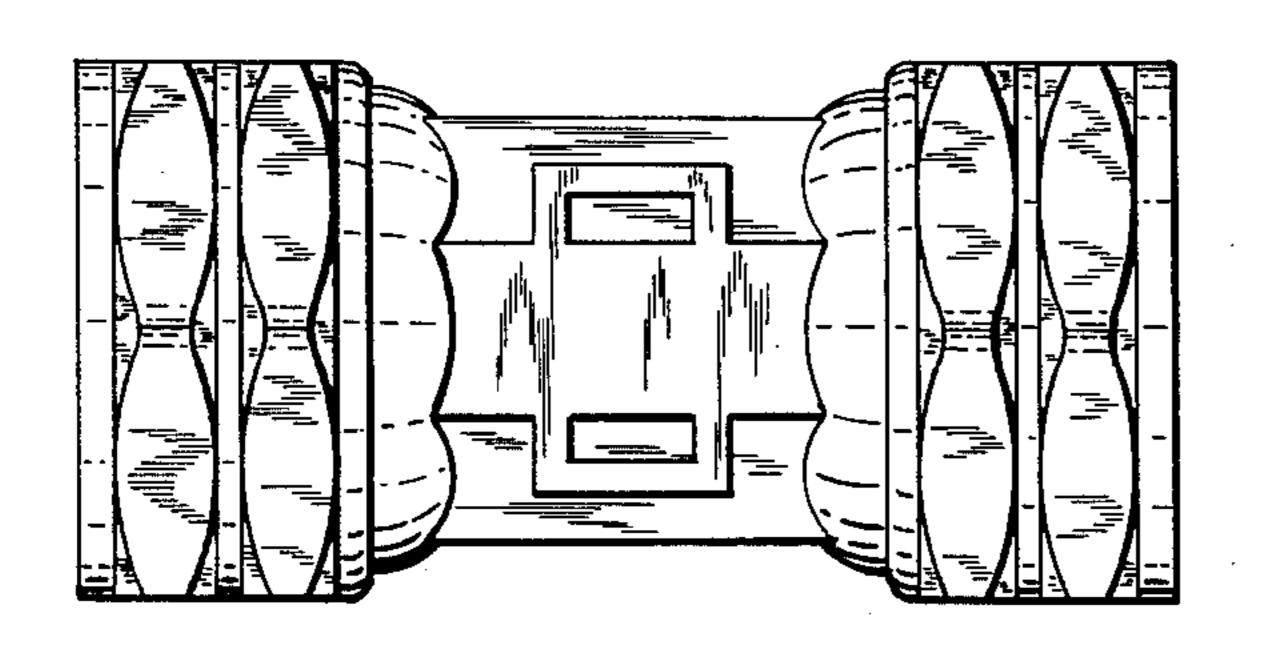




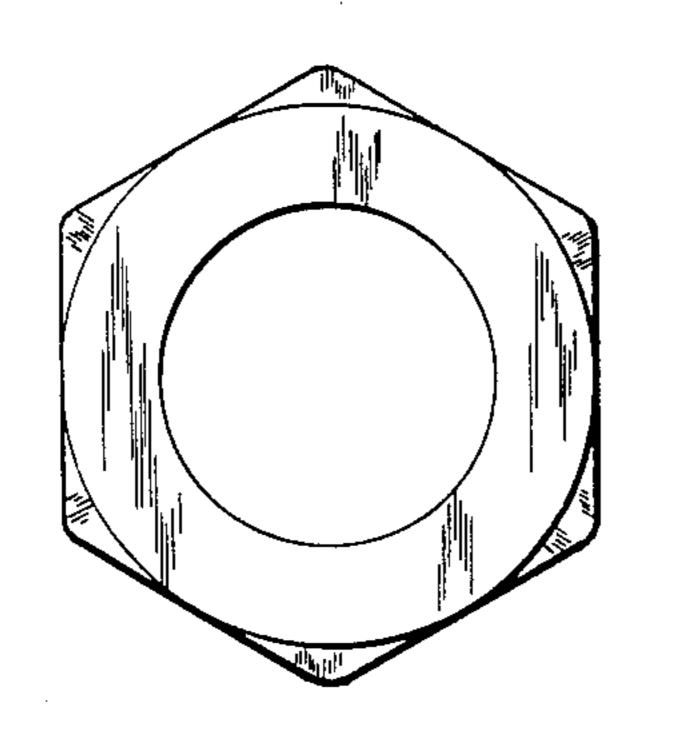




<u>Fig.</u>. 1.3.



<u>Fig.</u> 14.



<u>Fi</u>. 15.