



US00D422705S

# United States Patent [19]

Koros et al.

[11] Patent Number: Des. 422,705

[45] Date of Patent: \*\* Apr. 11, 2000

[54] RETRACTOR FOR HEART VALVE SURGERY

5,776,054 7/1998 Bobra ..... D24/135 X  
5,980,455 11/1999 Daniel et al. .... 600/235

[76] Inventors: Tibor B. Koros; Gabriel J. Koros,  
both of 610 Flinn Ave., Moorpark,  
Calif. 93021

Primary Examiner—Stella Reid  
Assistant Examiner—I Simmons  
Attorney, Agent, or Firm—David O'Reilly

[\*\*] Term: 14 Years

[57] CLAIM

[21] Appl. No.: 29/101,065

The ornamental design for a retractor for heart valve surgery substantially, as shown and described.

[22] Filed: Feb. 24, 1999

DESCRIPTION

[51] LOC (6) Cl. .... 24-02

[52] U.S. Cl. .... D24/135

[58] Field of Search ..... D24/135; 600/201,  
600/235, 219, 217, 216, 214, 215, 210,  
224

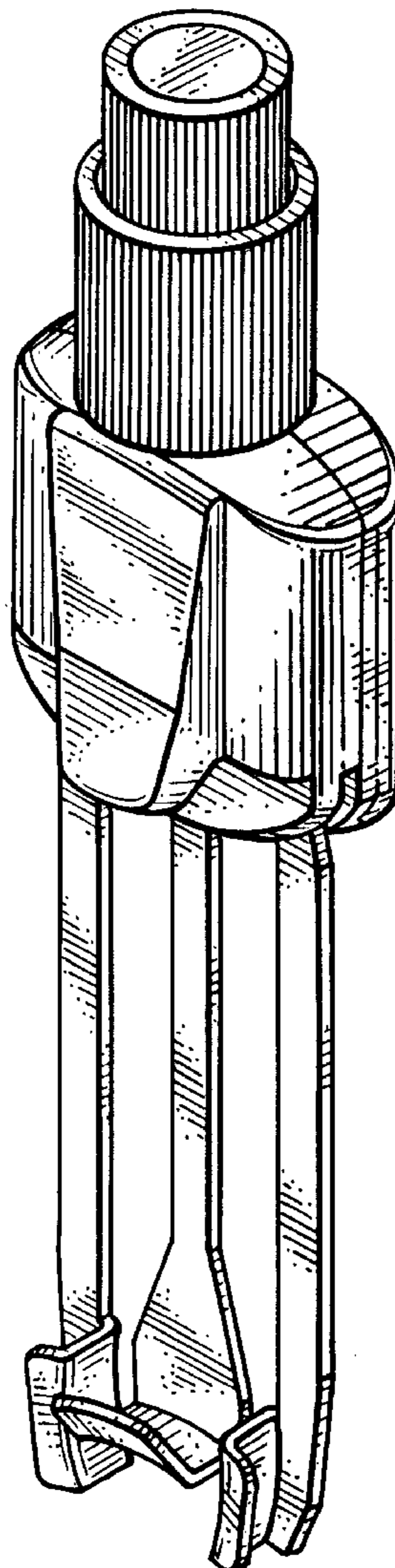
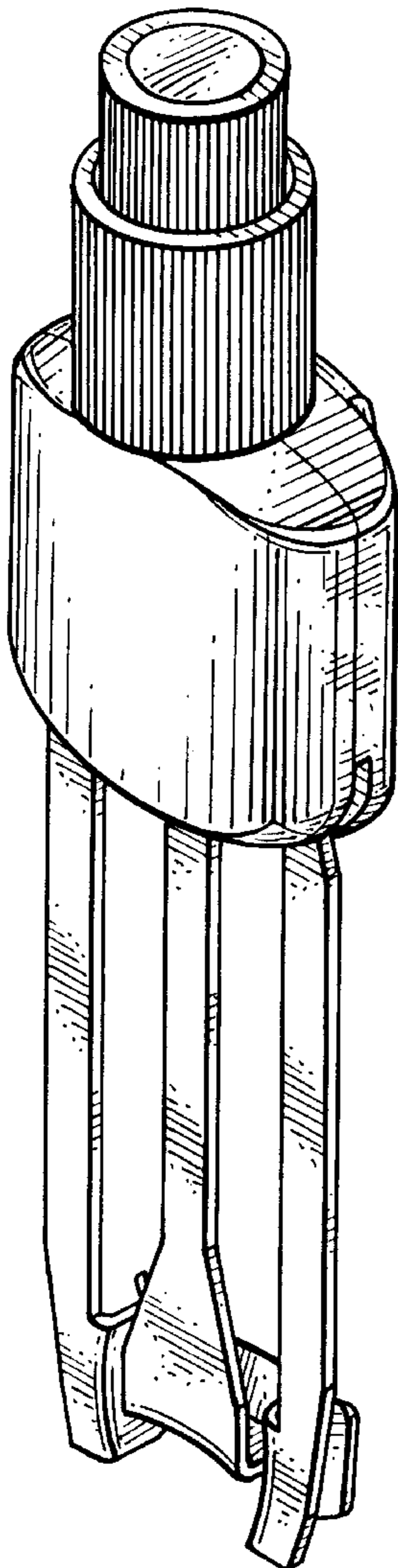
FIG. 1 is a front isometric view of a retractor for heart valve surgery according to the invention showing our new design. FIG. 2 is a rear isometric view thereof. FIG. 3 is a front elevational view thereof. FIG. 4 is a right side elevational view thereof. FIG. 5 is a rear elevational view thereof. FIG. 6 is a top plan view thereof; and, FIG. 7 is a bottom plan view thereof.

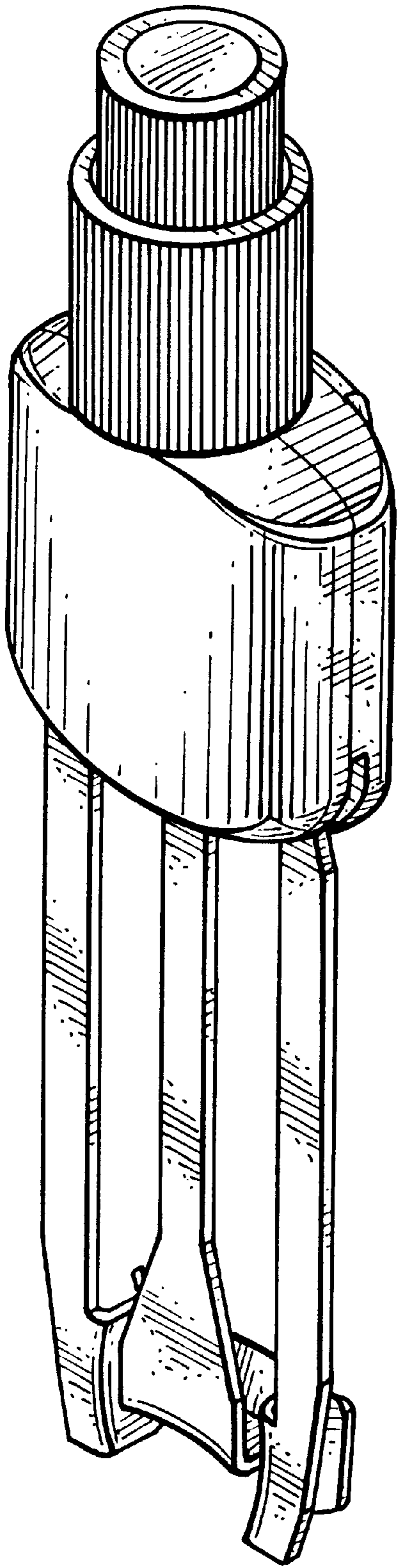
[56] References Cited

U.S. PATENT DOCUMENTS

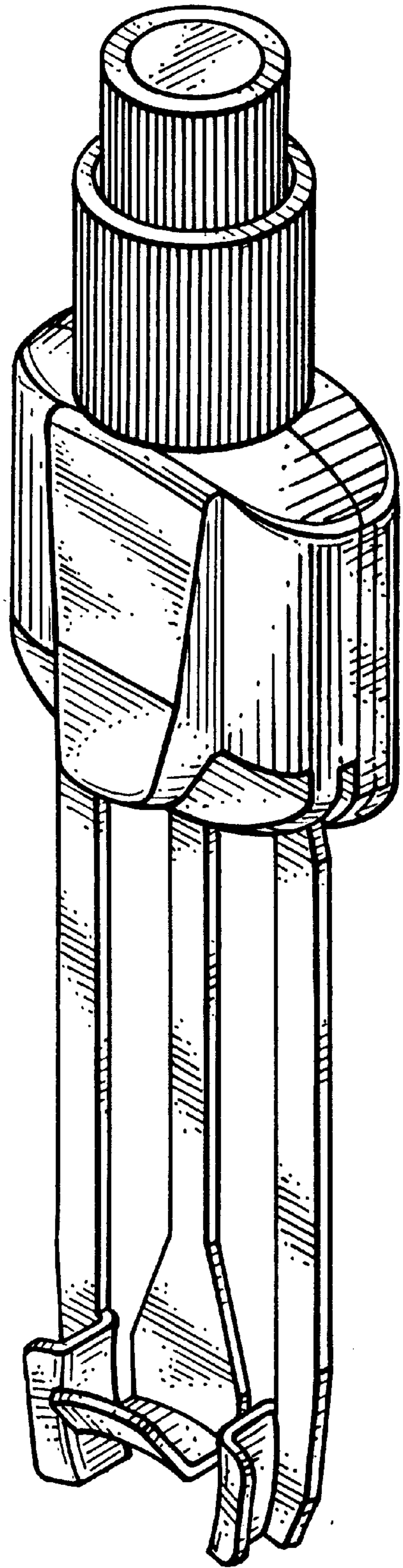
3,750,652 8/1973 Sherwin ..... 606/90  
5,755,661 5/1998 Schwartzman ..... 600/216

1 Claim, 2 Drawing Sheets

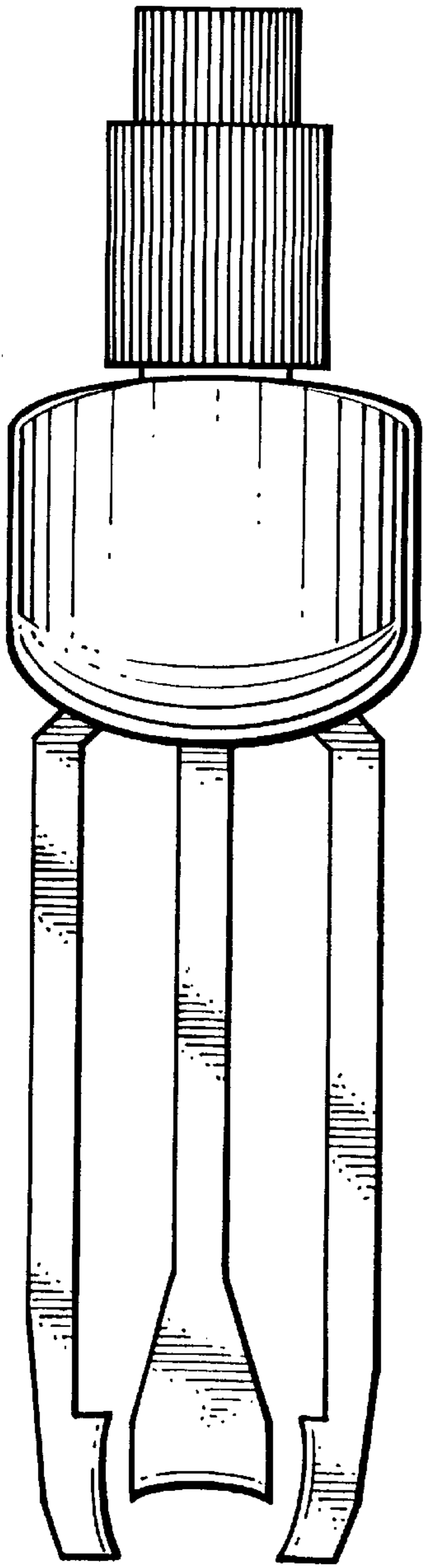




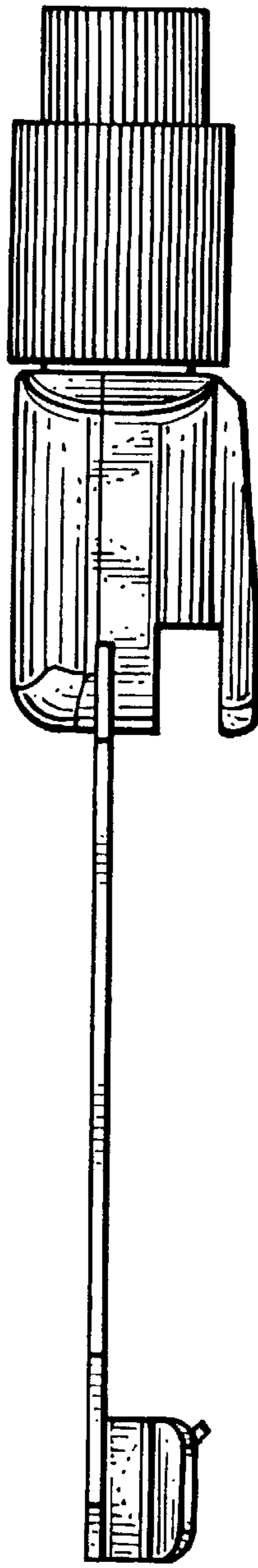
*Fig. 1.*



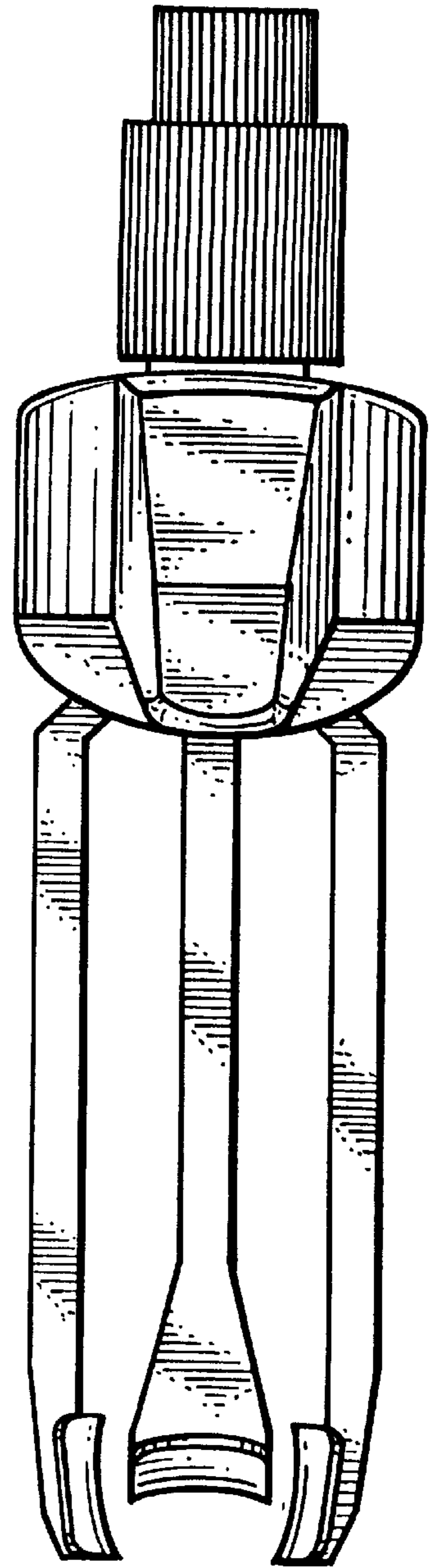
*Fig. 2.*



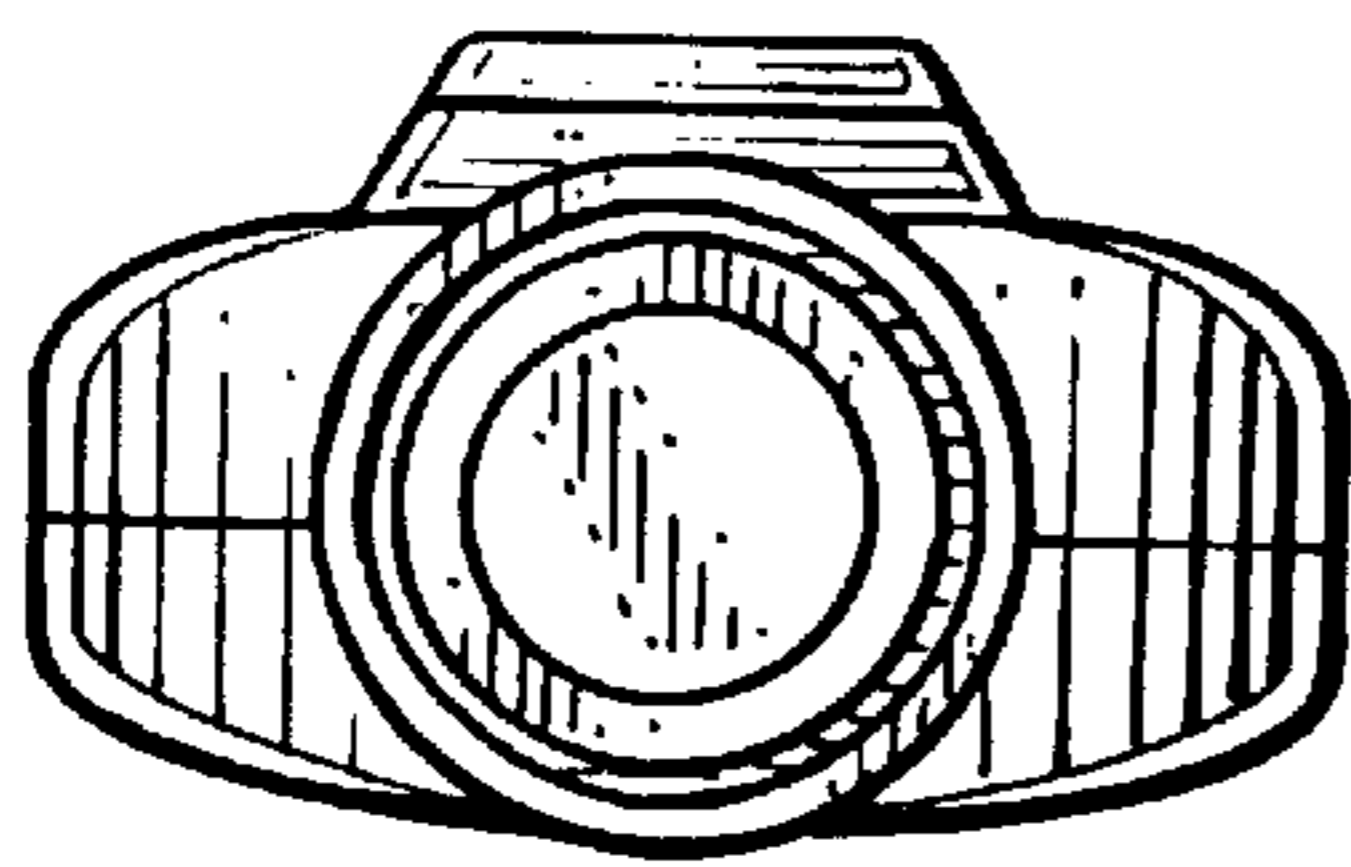
*Fig. 3.*



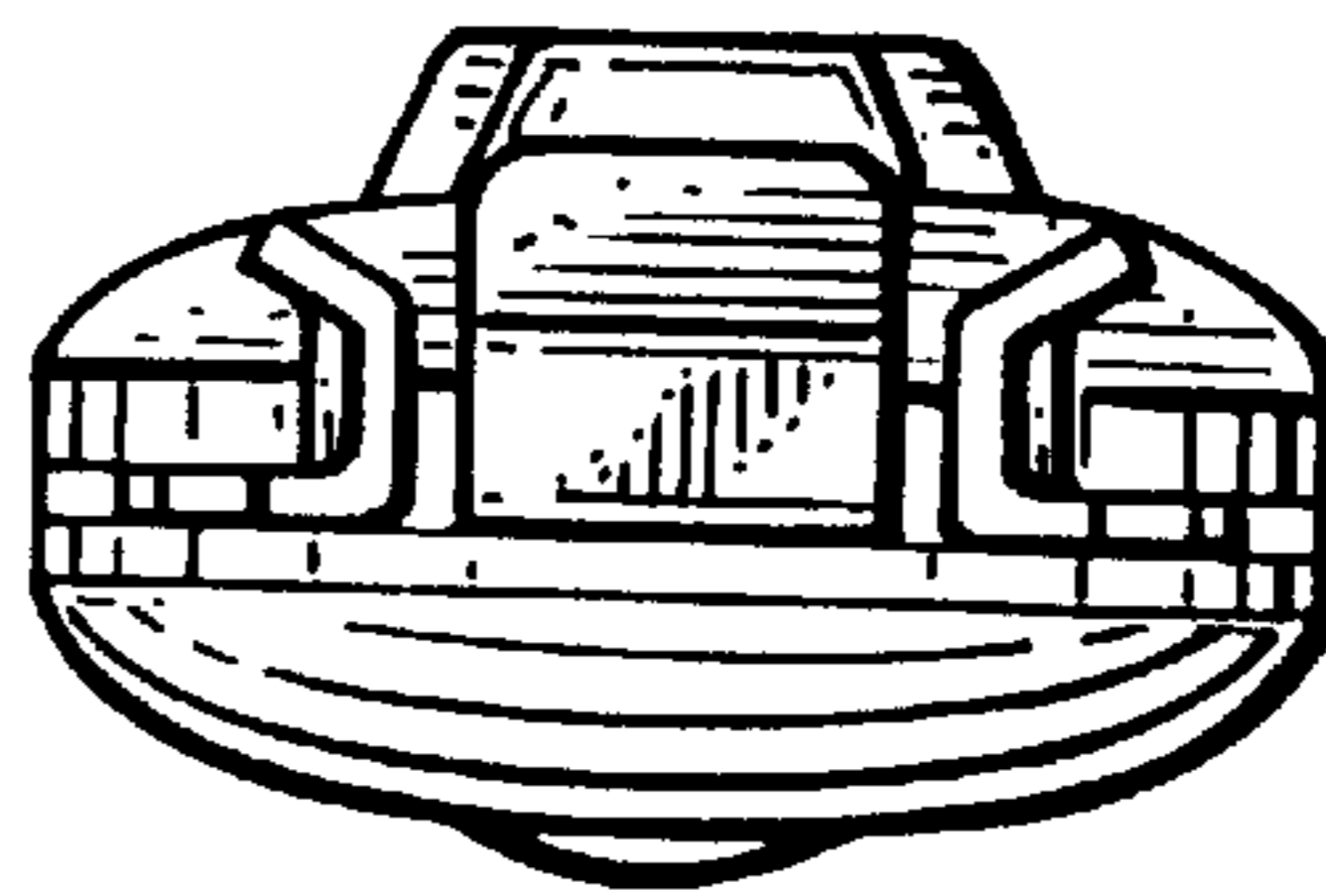
*Fig. 4.*



*Fig. 5.*



*Fig. 6.*



*Fig. 7.*