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(12) **United States Design Patent**  
**Högberg et al.**

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(54) **RING BAG FOR THE CENTRIFUGATION OF BLOOD COMPONENTS**

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(73) Assignee: **Sanguistech AB,** Karlskoga (SE)

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

(21) Appl. No.: **29/114,613**

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(30) **Foreign Application Priority Data**

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

(52) **U.S. Cl.** ..... **D24/118**

(58) **Field of Search** ..... D24/107, 118,  
D24/216, 219, 232; 210/360.1, 781, 782,  
787; 422/72, 101; 494/45, 34; 604/410

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

3,724,747	*	4/1973	Unger et al. ....	494/34
3,987,961	*	10/1976	Sinn et al. ....	494/45
5,114,396	*	5/1992	Unger et al. ....	494/45
5,723,050	*	3/1998	Unger et al. ....	210/782

\* cited by examiner

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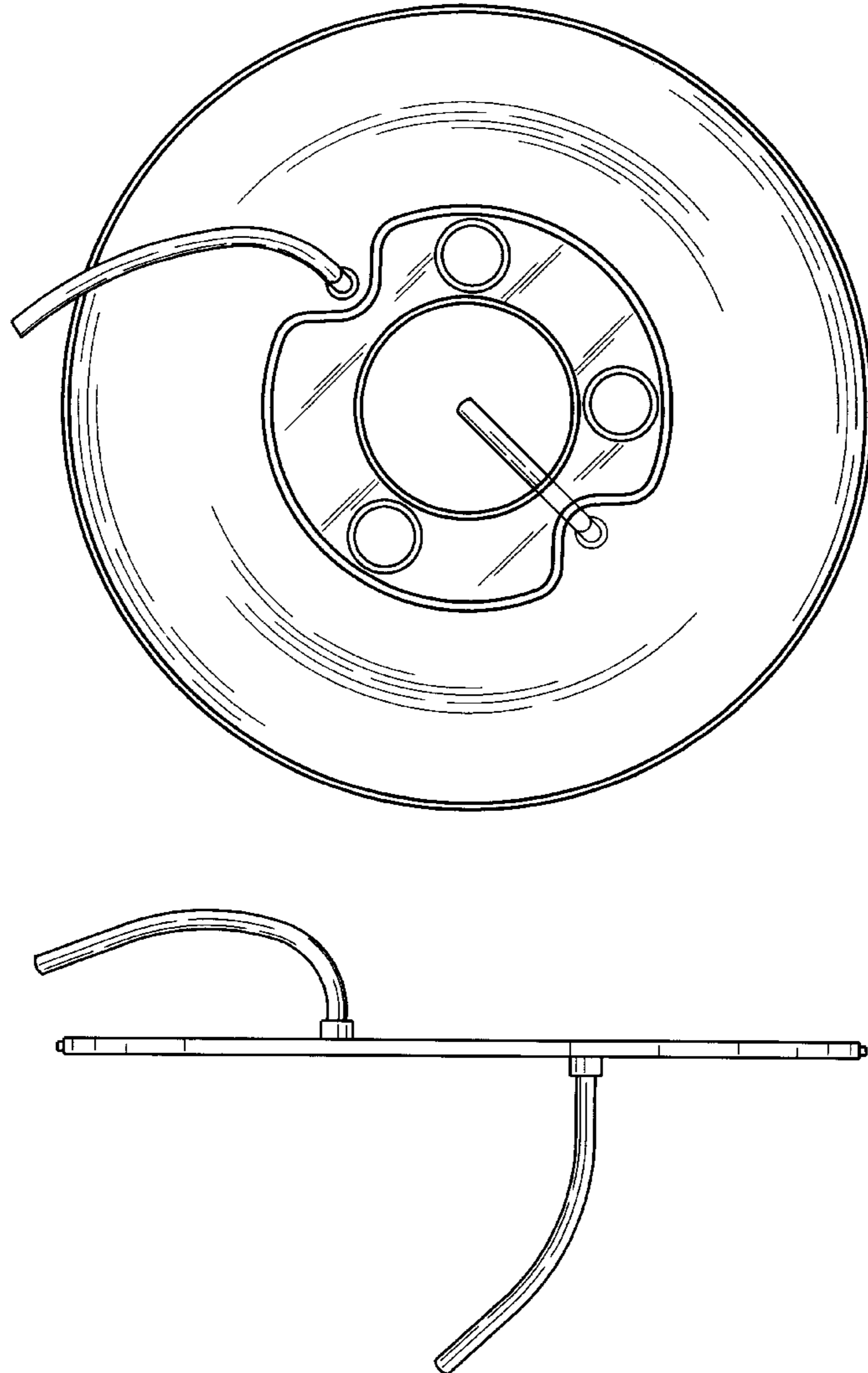
(57) **CLAIM**

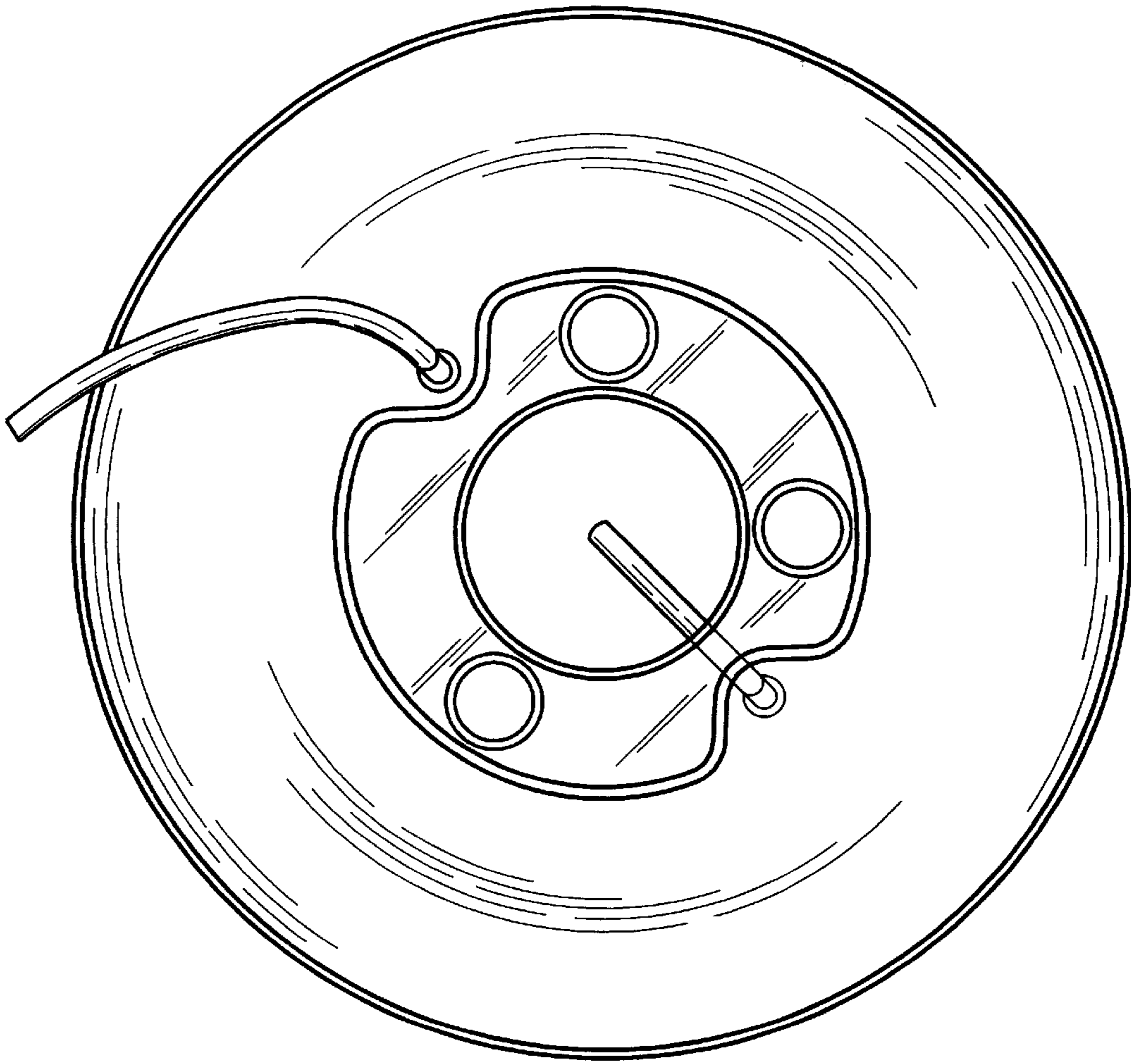
The ornamental design for a ring bag for centrifugation of blood components, as shown and described.

**DESCRIPTION**

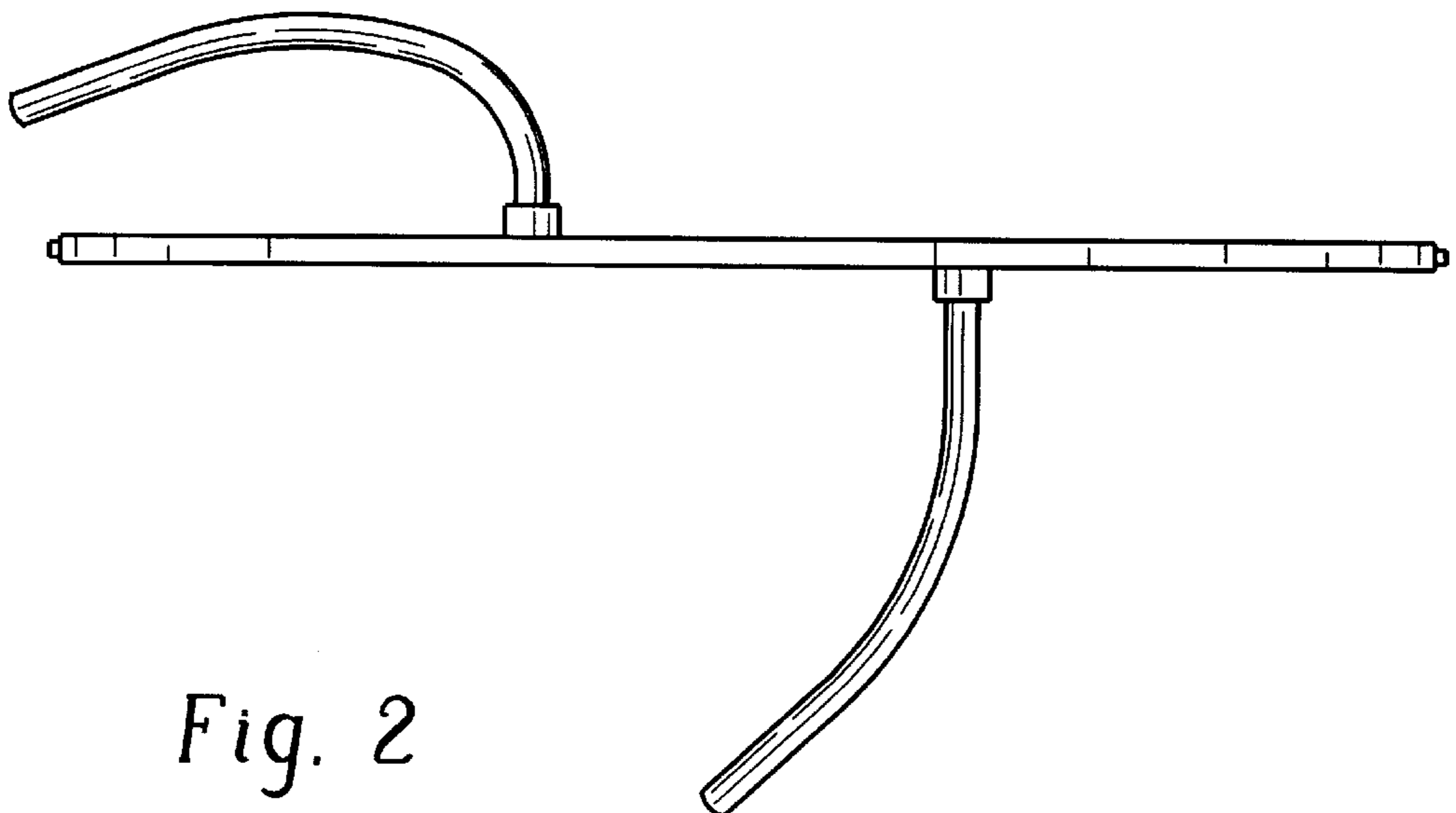
FIG. 1 is a top plan view of a ring bag for the centrifugation of blood components, showing our new design. FIG. 2 is a side elevational view thereof; and, FIG. 3 is a bottom view thereof.

**1 Claim, 2 Drawing Sheets**

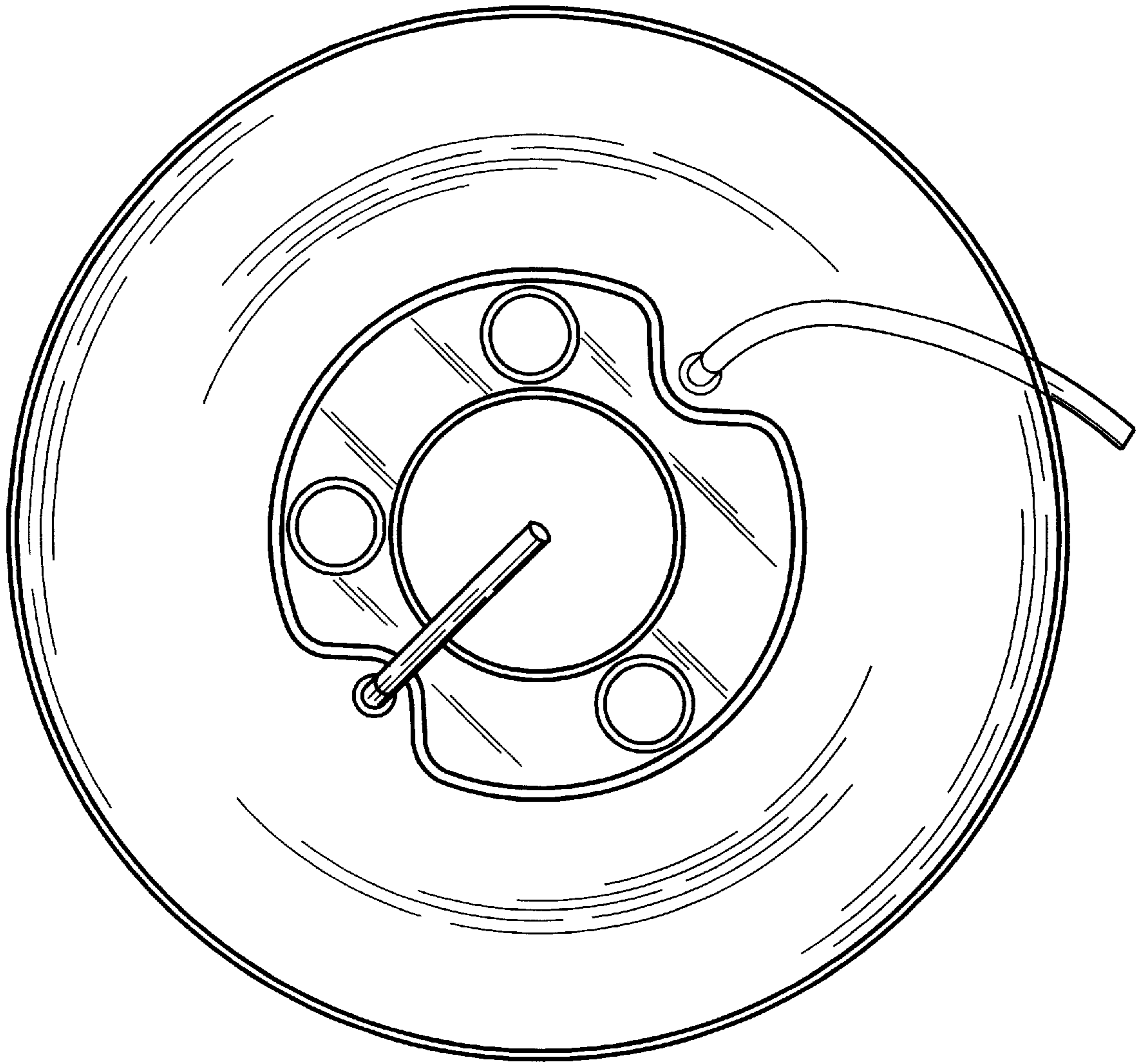




*Fig. 1*



*Fig. 2*



*Fig. 3*