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(12) **United States Design Patent**  
**Duirs**

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(54) **CARRIER DEVICE**

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

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

(52) **U.S. Cl.** ..... **D24/141**

(58) **Field of Search** ..... D3/328, 329, 207, D3/293, 307, 309; D8/303, 318; D9/443, 434; 224/925, 422, 423, 902, 921; 16/430, 902; 119/758; 294/15, 17, 26, 82.1, 137, 145, 170, 294, 902; 383/6, 13, 23

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

3,407,806 A	*	10/1968	Hulka et al. ....	D24/105 X
D216,522 S	*	1/1970	Hunt .....	D24/105 X
D233,915 S	*	12/1974	Osborn .....	D24/141
4,023,844 A	*	5/1977	Roberts .....	294/26
4,168,025 A	*	9/1979	Bantner .....	294/159
4,258,948 A	*	3/1981	Hoffmann .....	294/15 X
D289,691 S	*	5/1987	Rex .....	D24/141
4,723,547 A	*	2/1988	Kullas et al. ....	D24/141 X
4,772,133 A	*	9/1988	Volk .....	383/6
RE32,758 E	*	10/1988	Zartman .....	128/736
D352,902 S	*	11/1994	Halverson .....	D9/434 X

D361,263 S	*	8/1995	Carmo et al. ....	D9/434
D372,656 S	*	8/1996	Nagano .....	D8/303
5,645,306 A	*	7/1997	Kosteniuk .....	294/137
5,722,118 A	*	3/1998	Hansen et al. ....	294/137 X
5,848,816 A	*	12/1998	Hancock .....	294/15
D404,127 S	*	1/1999	Lammers .....	D24/141
6,070,924 A	*	6/2000	Sweetman .....	294/902 X

\* cited by examiner

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(57) **CLAIM**

The carrier device, substantially as shown in the drawings.

**DESCRIPTION**

FIG. 1 is a front elevation view of a carrier device for an intravaginal insert for cattle or the like to induce oestrus showing my new design;

FIG. 2 is a side elevation view thereof;

FIG. 3 is an other side elevation view thereof;

FIG. 4 is a bottom plan view thereof;

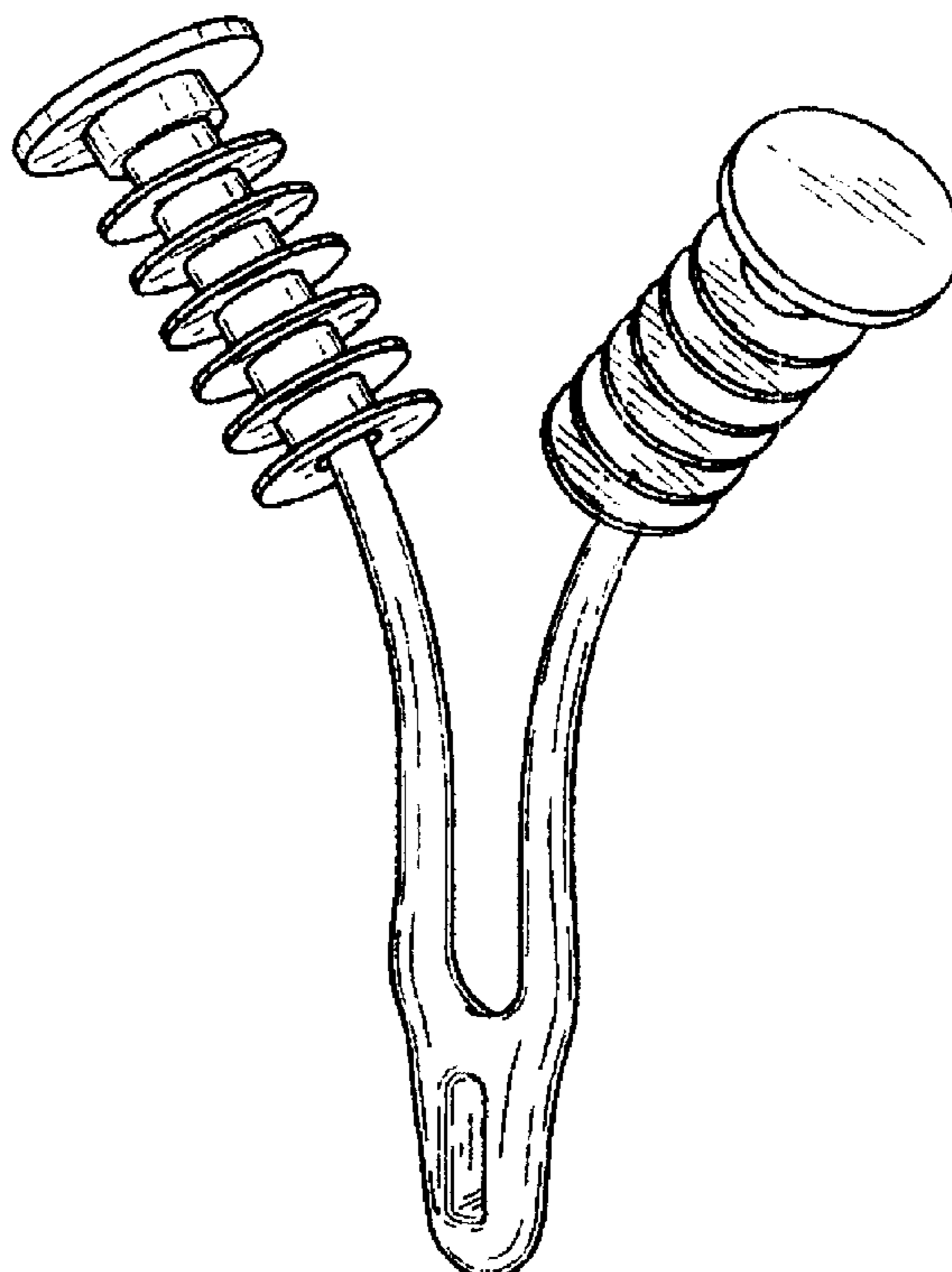
FIG. 5 is a top plan view thereof;

FIG. 6 is a front and side perspective view thereof;

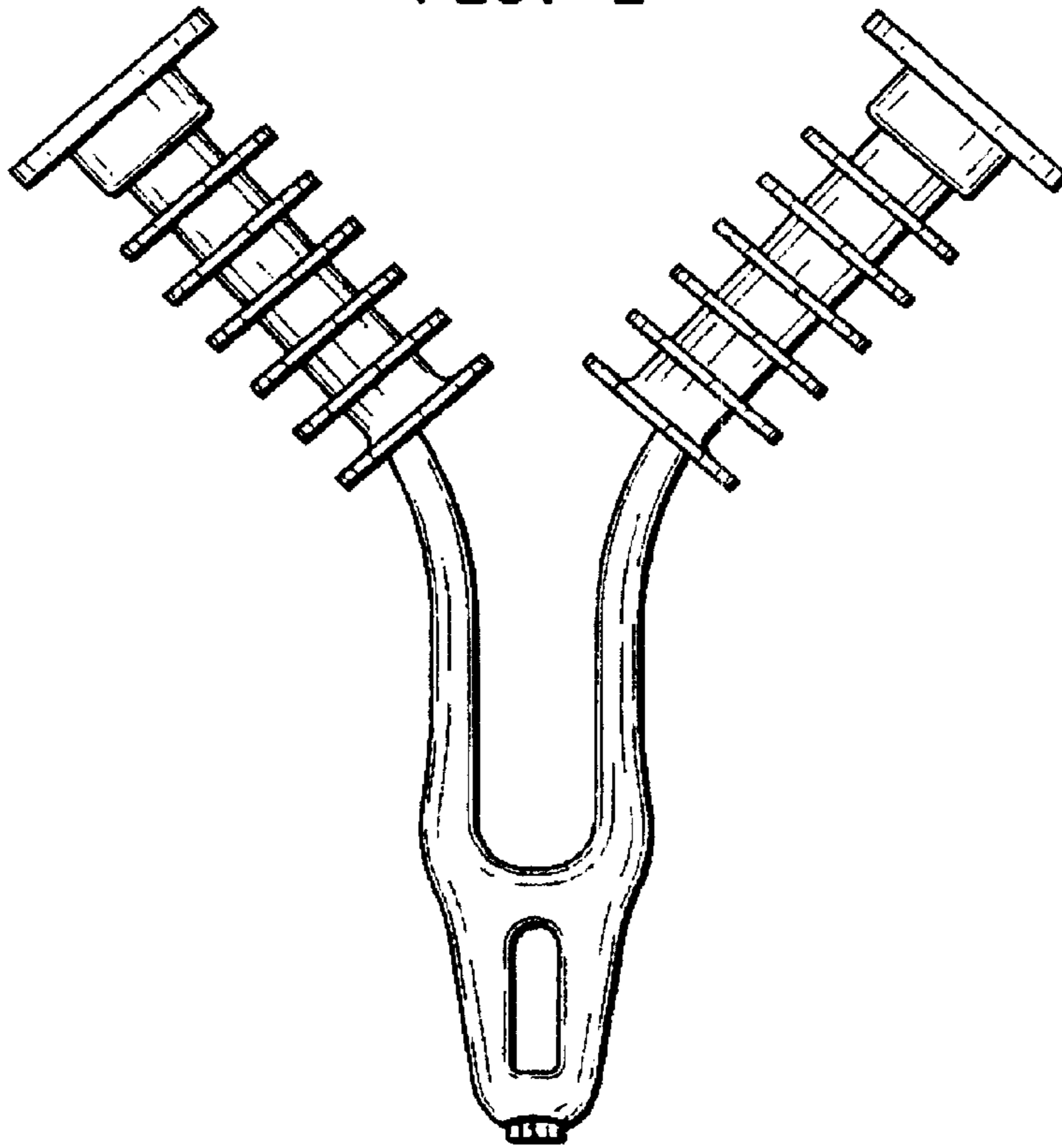
FIG. 7 is an exploded front and side perspective view thereof; and,

FIG. 8 is a front and side perspective view of the insert shown separately for clarity of illustration.

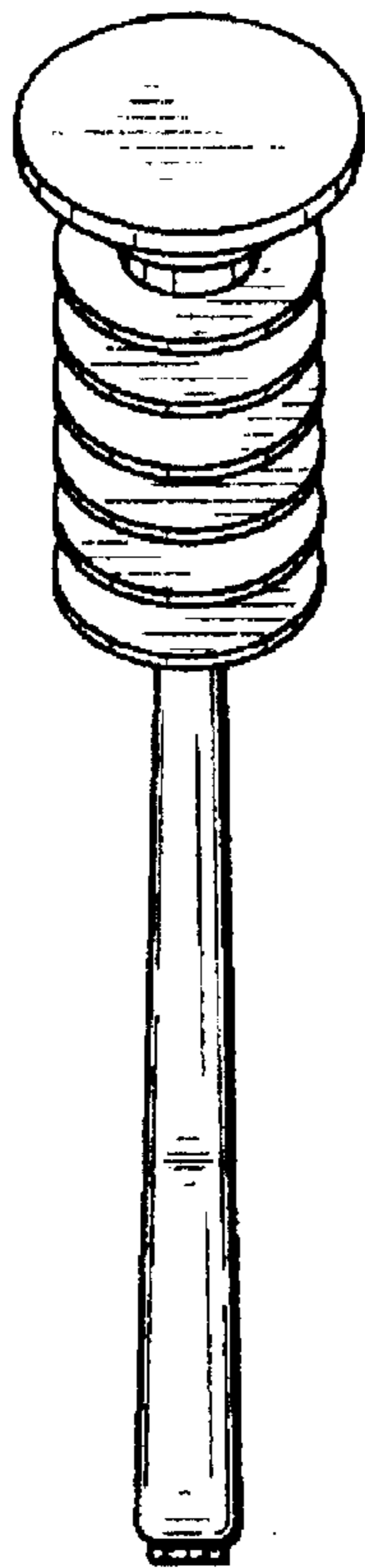
**1 Claim, 3 Drawing Sheets**



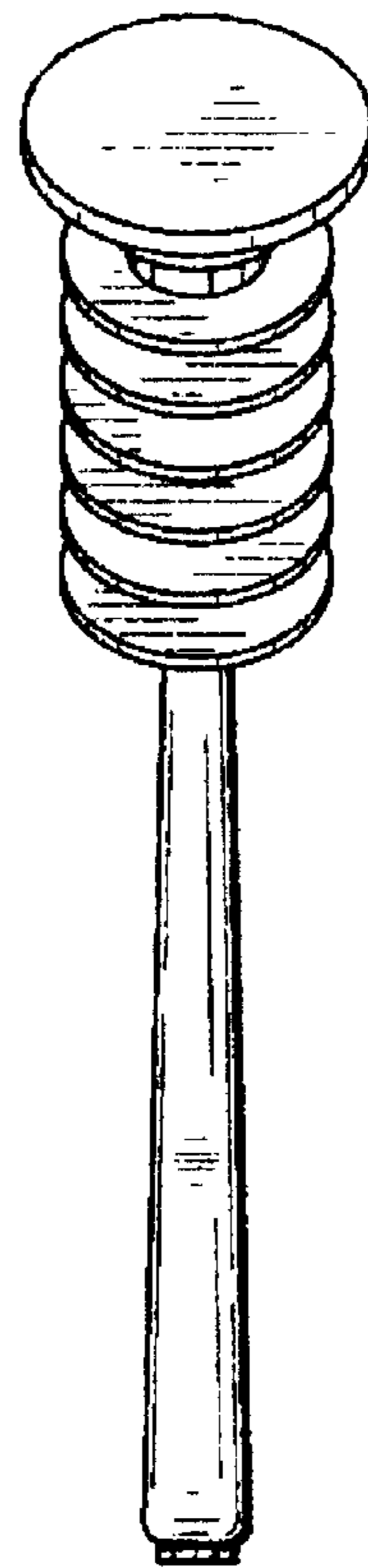
*FIG. 1*



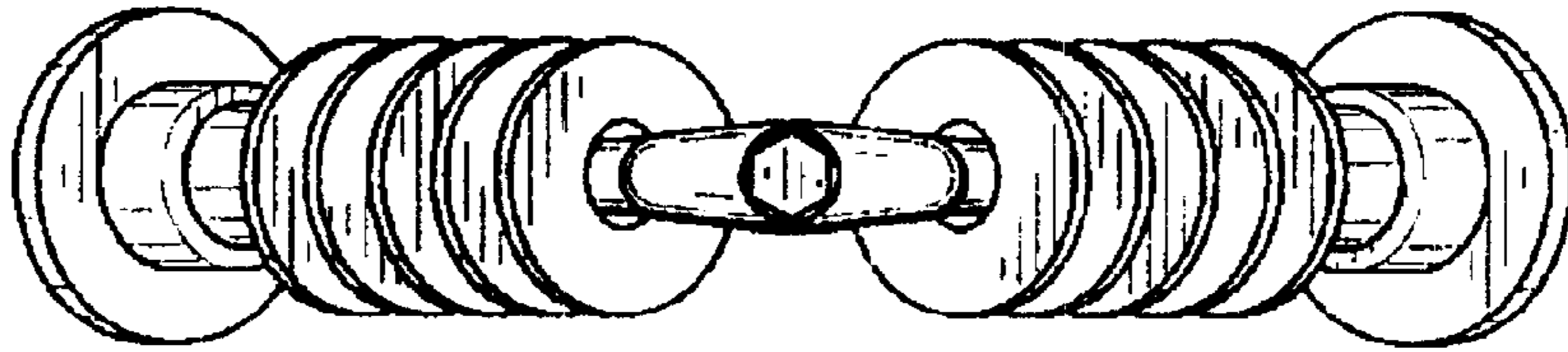
*FIG. 2*



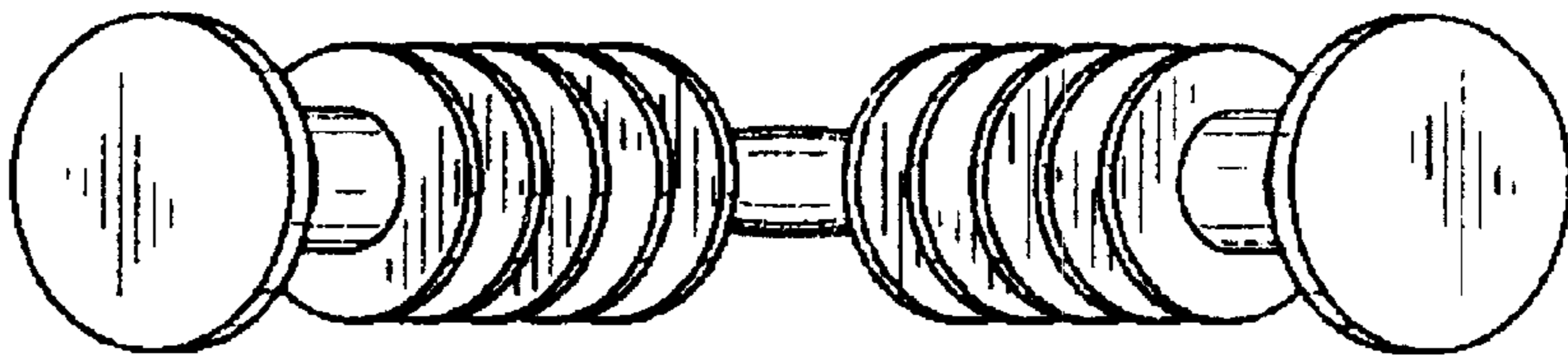
*FIG. 3*



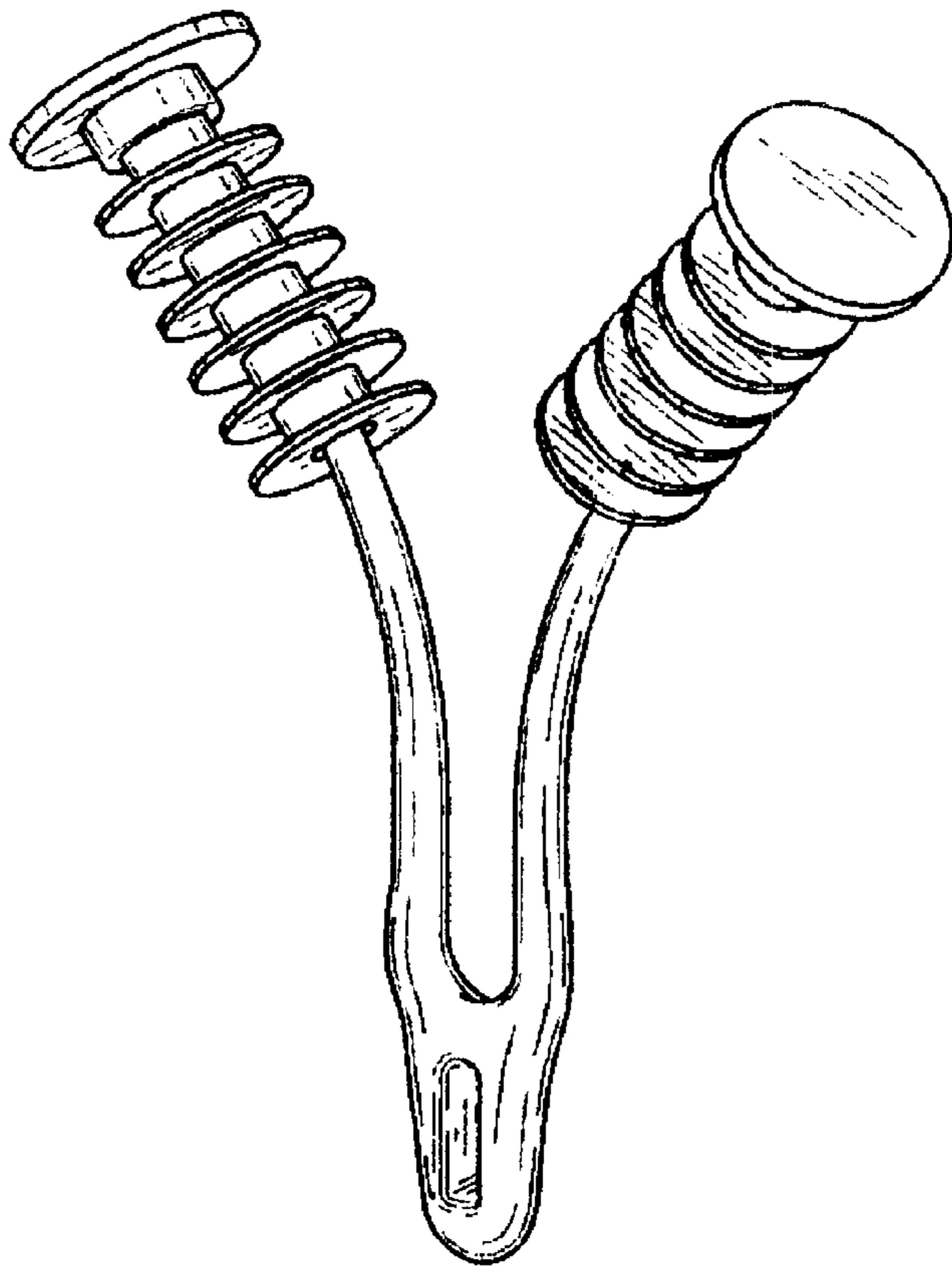
**FIG. 4**

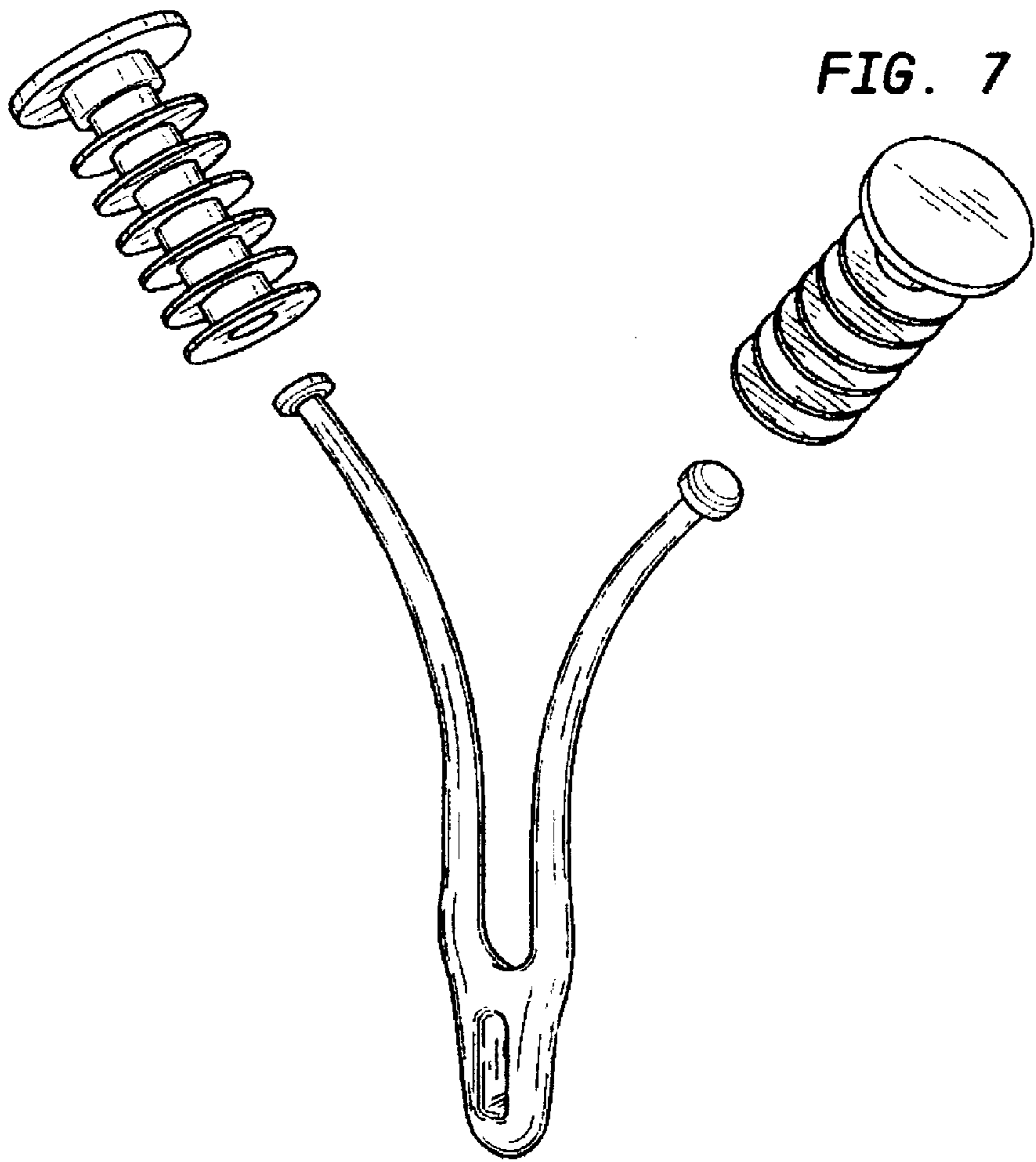


**FIG. 5**



**FIG. 6**





**FIG. 8**

