US00D525513S

(12) United States Design Patent

Anderson et al.

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(45) Date of Patent: ** Jul. 25, 2006

(54) **KNOB LATCH**

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(73) Assignee: **Southco, Inc.**, Concordville, PA (US)

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

(21) Appl. No.: **29/212,101**

(22) Filed: **Aug. 26, 2004**

(51) **LOC (8) Cl.** **08-06**
(52) **U.S. Cl.** **D8/307**; D8/338; D8/398
(58) **Field of Classification Search** D8/307, D8/308, 338, 398; 292/169, 170, 336.3; 70/140, 70/208, 216; 411/415, 512; 16/441; 211/123
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,391,419	A	*	7/1968	Thorne-Thomsen	16/441
4,114,506	A	*	9/1978	Aimar	411/512
4,556,244	A		12/1985	Bisbing	
4,689,976	A	*	9/1987	Larsen	70/208
D302,243	S	*	7/1989	Gonzalez	D8/398
D312,769	S	*	12/1990	Bisbing	D8/338
6,113,160	A	*	9/2000	Johansson et al.	292/169
6,371,313	B1	*	4/2002	Walter et al.	211/123
6,575,503	B1	*	6/2003	Johansson et al.	292/170
6,640,592	B1		11/2003	Vickers	

OTHER PUBLICATIONS

Southco, Latches and Access Hardware Handbook 45 NA, pp. E–8, E–9, G16 and G17 (6 pages).
EMKA, plastic quarter turn latch (1 page).
EMKA, Wing Knob—program 1000 (1 page).
DIRAK Modular Hardware System, Wing–Handle Zinc Die or PA and Wing–Handle for Padlock (1 page).
DIRAK Modular Hardware Systems, Polyamide Quarter–Turn and Clip–in Quarter–Turn (1 page).

* cited by examiner

Primary Examiner—Paula A. Greene
(74) *Attorney, Agent, or Firm*—Paul and Paul

(57) **CLAIM**

The ornamental design for a knob latch, as shown and described.

DESCRIPTION

FIG. **1** is a front perspective view of a knob latch showing our new design;
FIG. **2** is a bottom perspective view thereof;
FIG. **3** is a left side elevational view thereof;
FIG. **4** is a right side elevational view thereof;
FIG. **5** is a is a front elevational view thereof;
FIG. **6** is a rear elevational view thereof;
FIG. **7** is a top plan view thereof;
FIG. **8** is a bottom plan view thereof;
FIG. **9** is a front perspective view of a second embodiment of a knob latch showing our new design;
FIG. **10** is a bottom perspective view thereof;
FIG. **11** is a left side elevational view thereof;
FIG. **12** is a right side elevational view thereof;
FIG. **13** is a front elevational view thereof;
FIG. **14** is a rear elevational view thereof;
FIG. **15** is a top plan view thereof;
FIG. **16** is a bottom plan view thereof;
FIG. **17** is a cross sectional view taken along lines i—i of FIG. **15**;
FIG. **18** is a front perspective view of a third embodiment of a knob latch showing our new design;
FIG. **19** is a bottom perspective view thereof;
FIG. **20** is a left side elevational view thereof;
FIG. **21** is a right side elevational view thereof;
FIG. **22** is a front elevational view thereof;
FIG. **23** is a rear elevational view thereof;
FIG. **24** is a top plan view thereof;
FIG. **25** is a bottom plan view thereof;
FIG. **26** is a top perspective view of a fourth embodiment of a knob latch showing our new design
FIG. **27** is a bottom perspective view thereof;
FIG. **28** is a left side elevational view thereof;
FIG. **29** is a right side elevational view thereof;

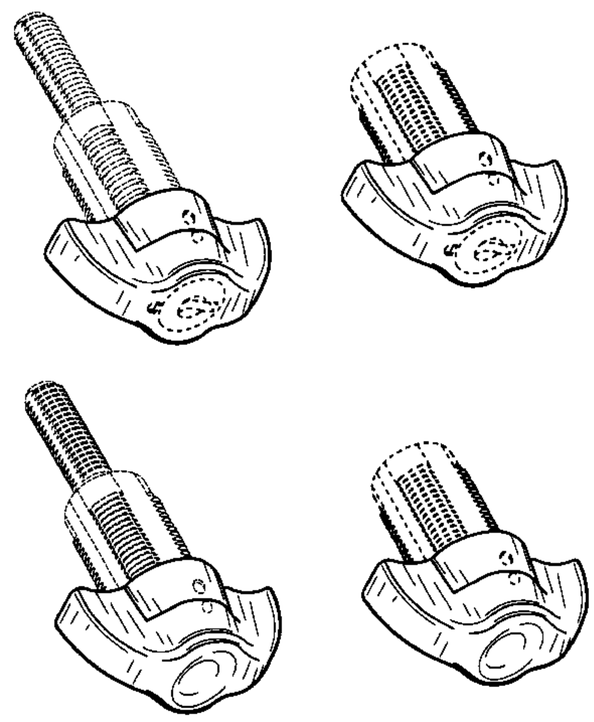


FIG. **30** is a front elevational view thereof;
FIG. **31** is a rear elevational view thereof;
FIG. **32** is a top plan view thereof;
FIG. **33** is a bottom plan view thereof;
FIG. **34** is a cross sectional view taken along line i—I of FIG. **32**;
FIG. **35** is a front perspective view of a fifth embodiment of a knob latch showing our new design;
FIG. **36** is a bottom perspective view thereof;
FIG. **37** is a left side elevational view thereof;
FIG. **38** is a right side elevational view thereof;
FIG. **39** is a front elevational view thereof;
FIG. **40** is a rear elevational view thereof;
FIG. **41** is a top plan view thereof;
FIG. **42** is a bottom plan view thereof;
FIG. **43** is a top perspective view of a sixth embodiment showing our new design;
FIG. **44** is a bottom perspective view thereof;
FIG. **45** is a left side elevational view thereof;
FIG. **46** is a right side elevational view thereof;
FIG. **47** is a front elevational view thereof;
FIG. **48** is a rear elevational view thereof;
FIG. **49** is a top plan view thereof;
FIG. **50** is a bottom plan view thereof; and,
FIG. **51** is a cross sectional view taken along i—i of FIG. **49**.

1 Claim, 6 Drawing Sheets

FIG. 1

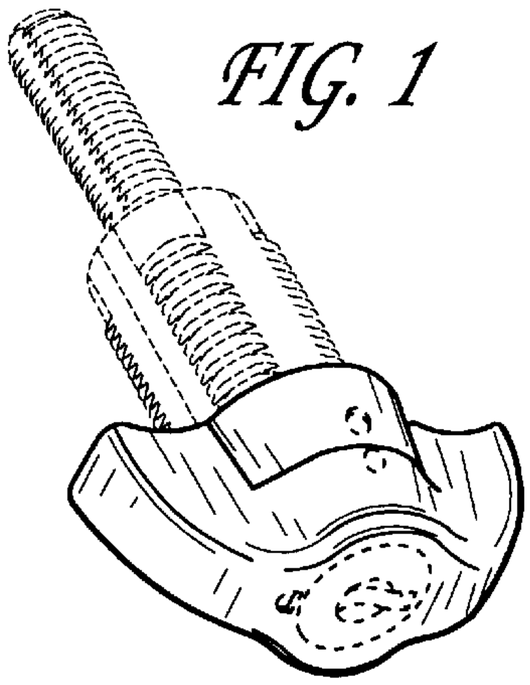


FIG. 2

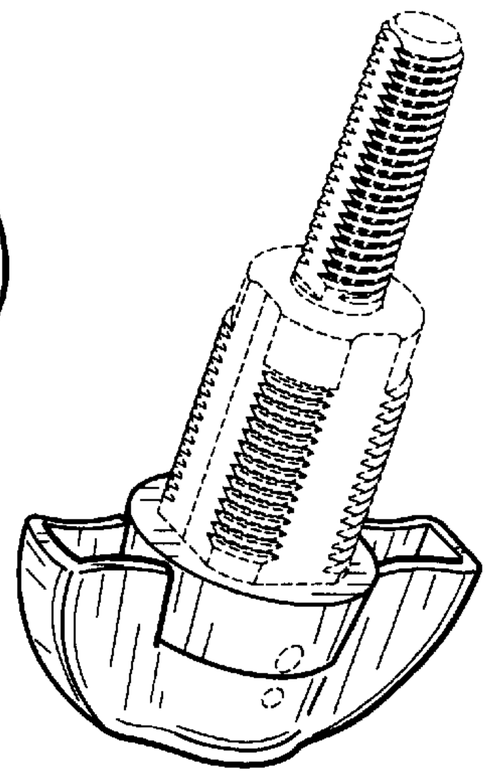


FIG. 3

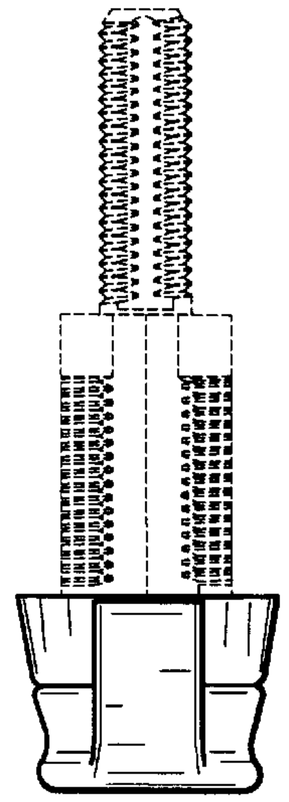


FIG. 4

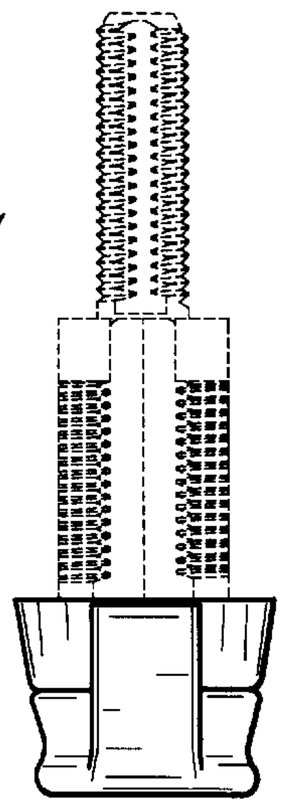
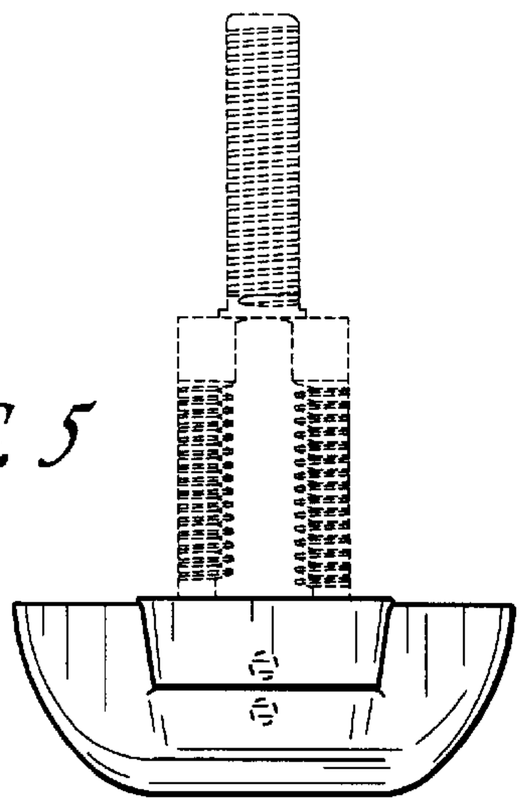


FIG. 5



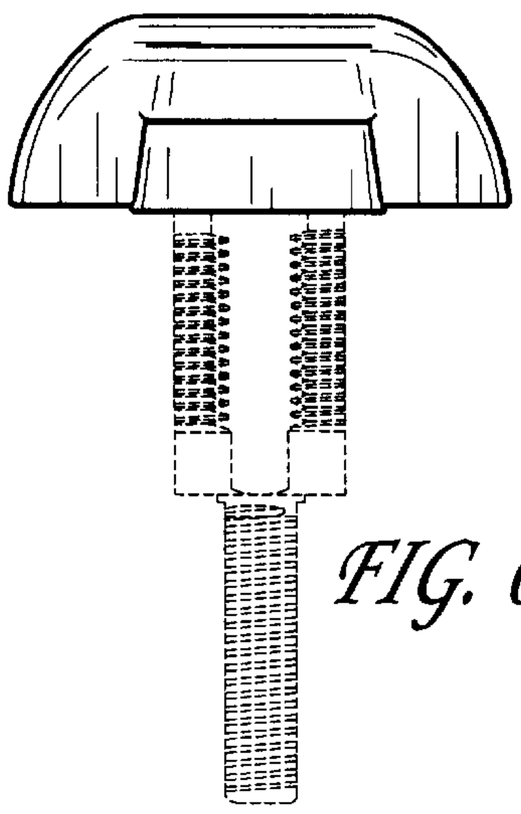


FIG. 6

FIG. 7

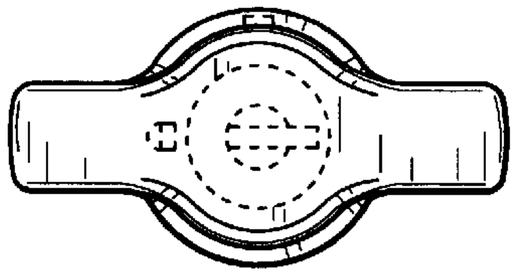


FIG. 8

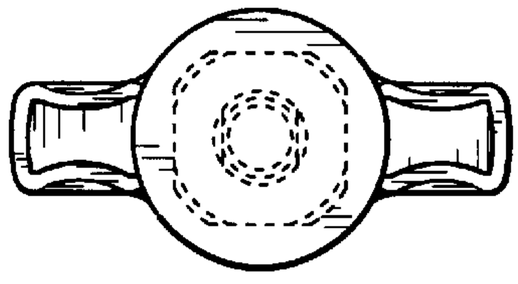


FIG. 9

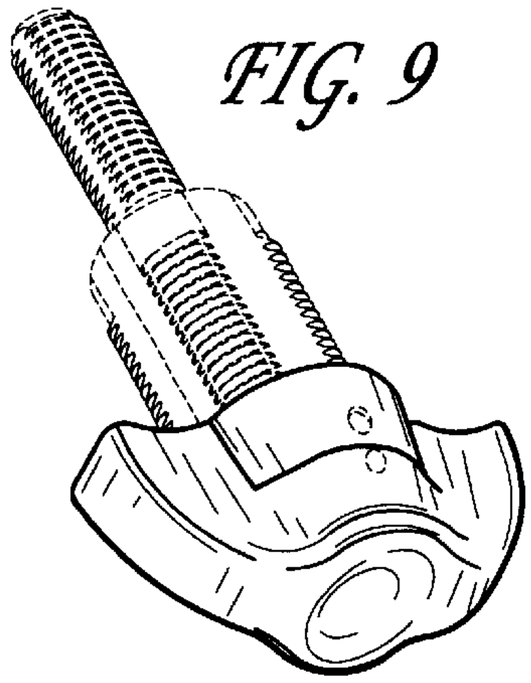


FIG. 10

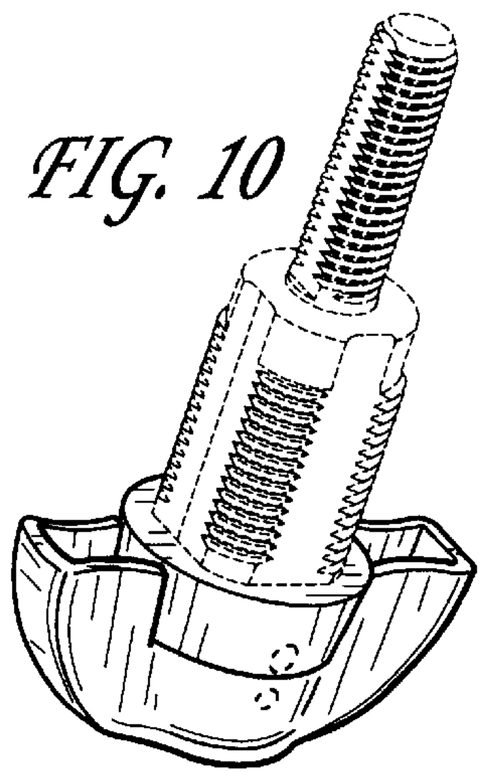


FIG. 11

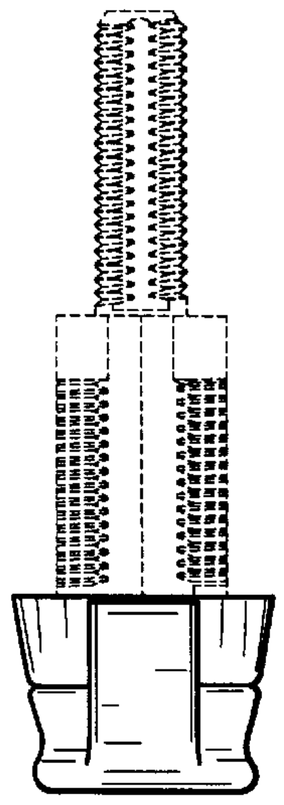


FIG. 12

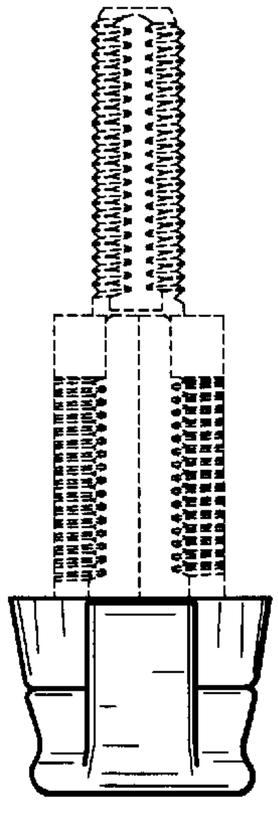


FIG. 13

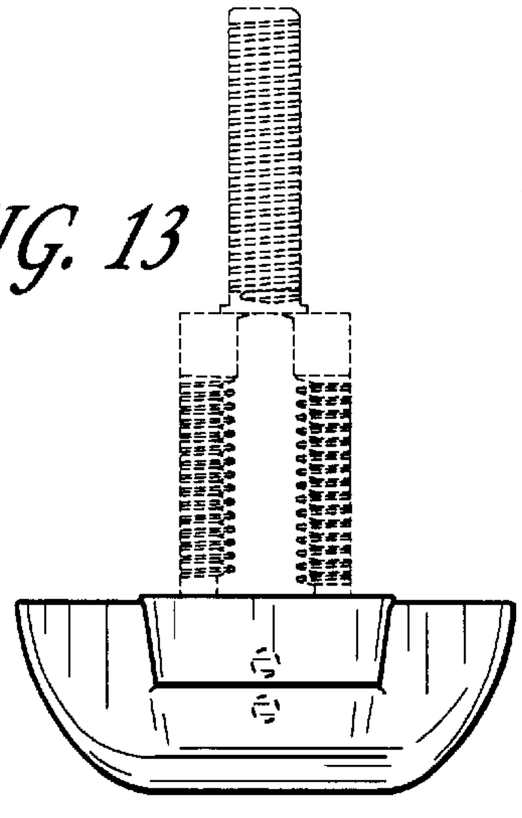
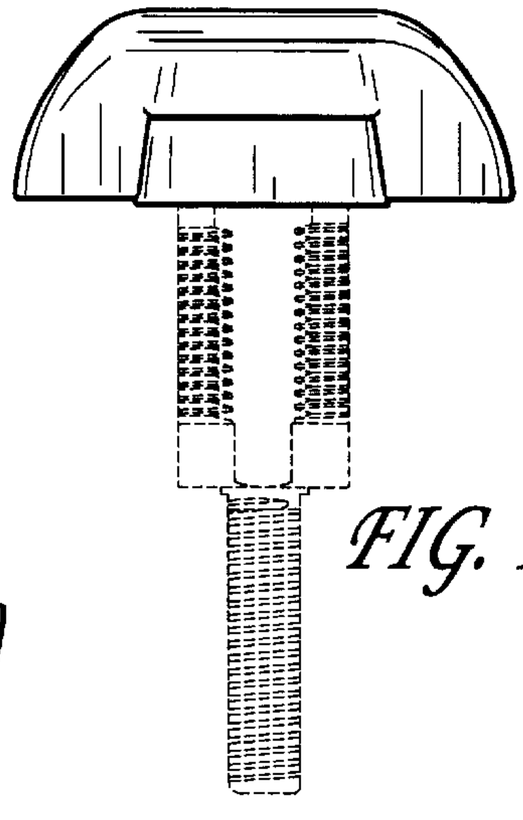


FIG. 14



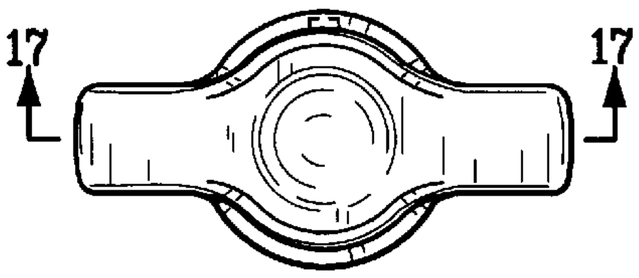


FIG. 15

FIG. 16

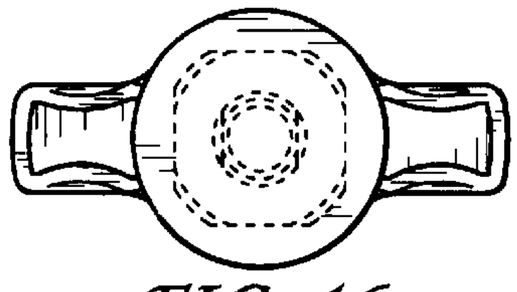


FIG. 17

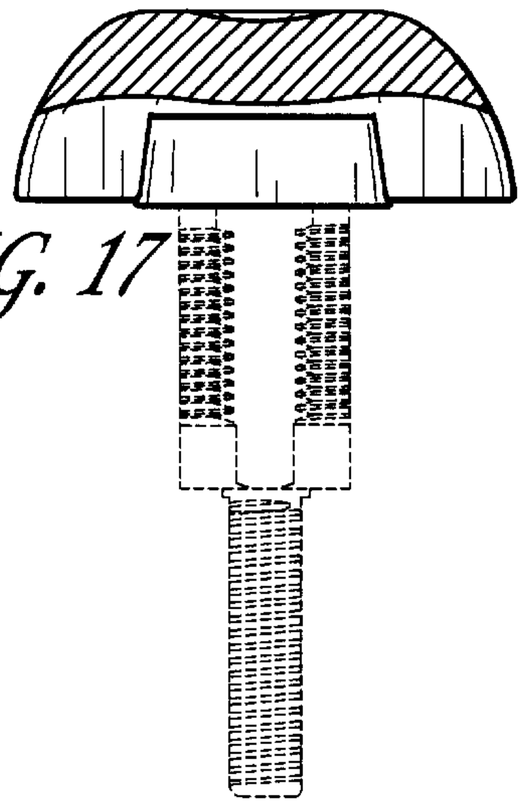


FIG. 18

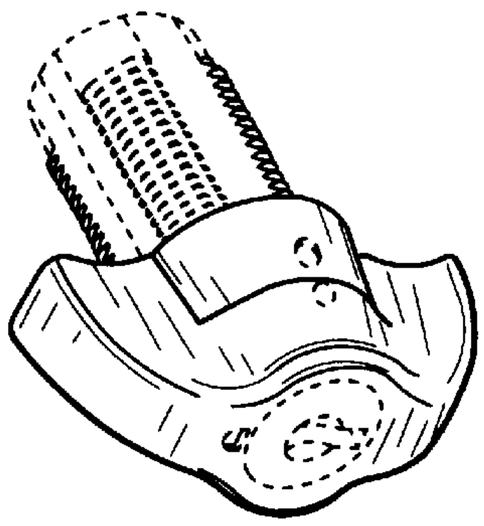


FIG. 19

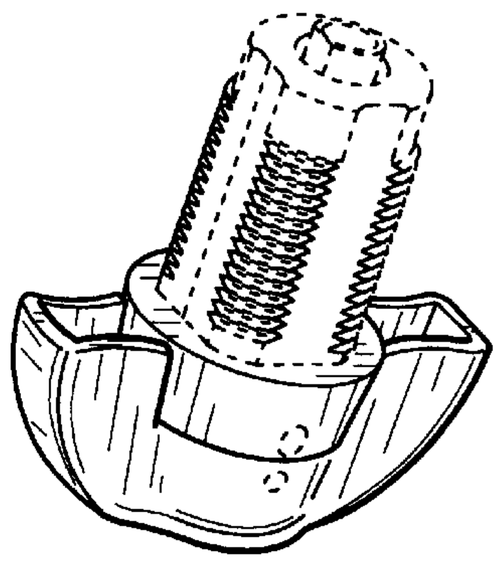


FIG. 20

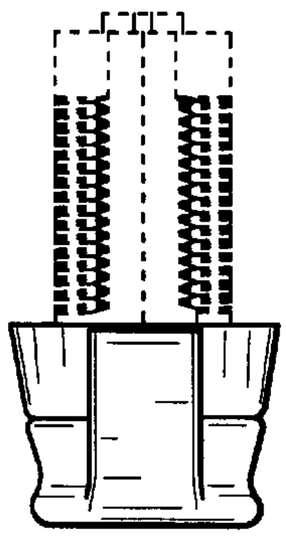


FIG. 21

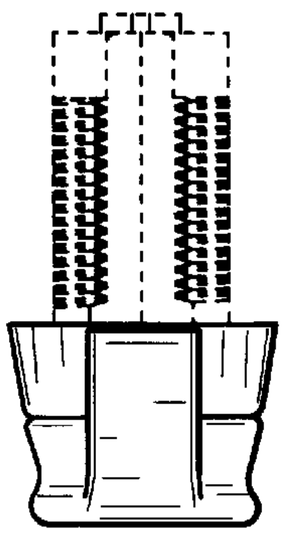
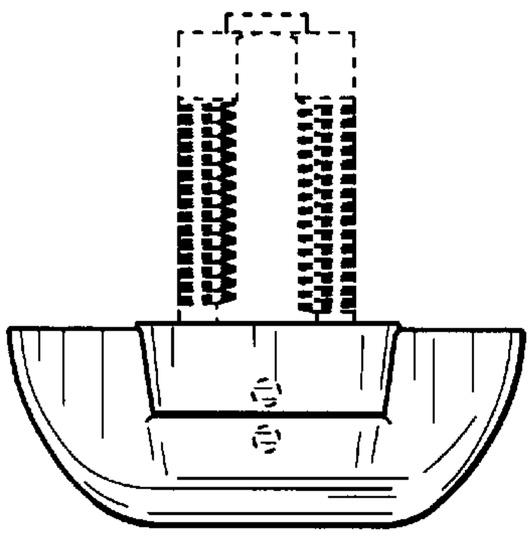


FIG. 22



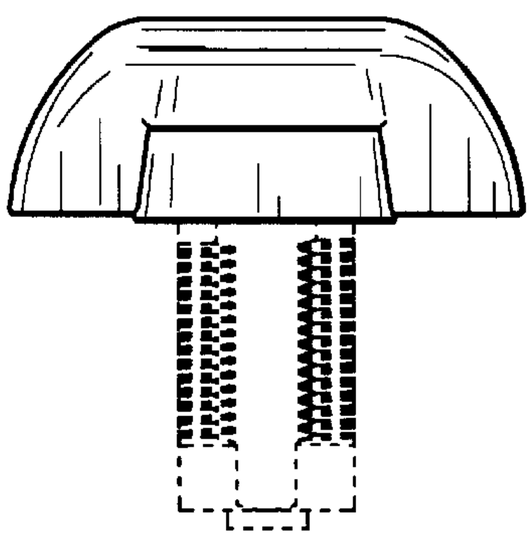


FIG. 23

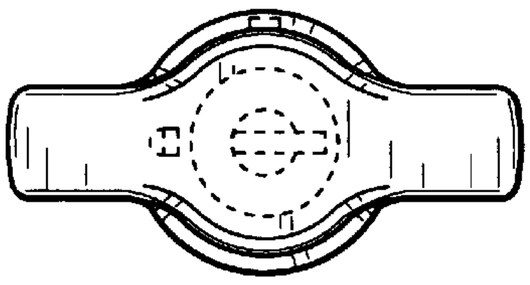


FIG. 24

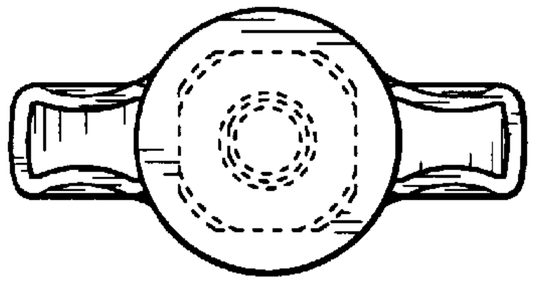


FIG. 25

FIG. 26

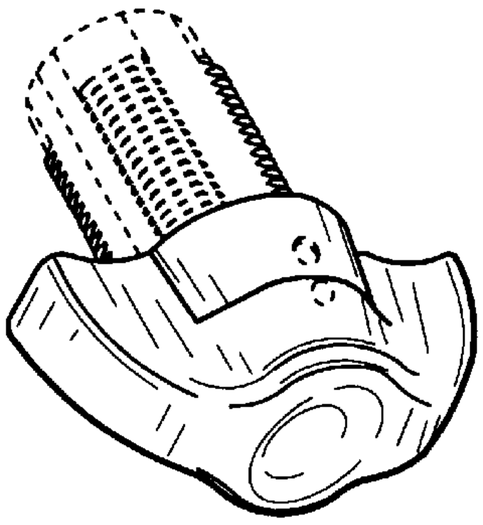


FIG. 27

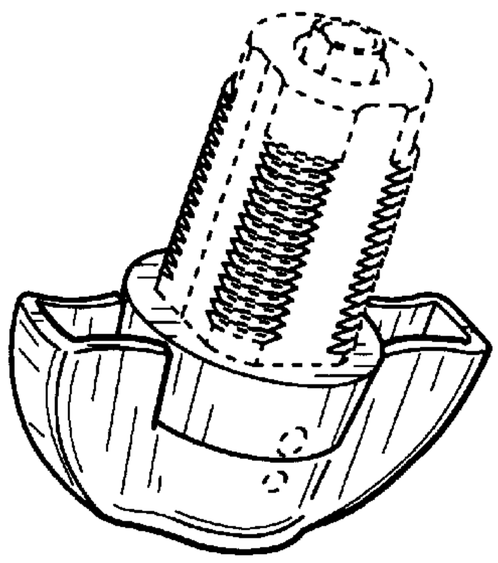


FIG. 28

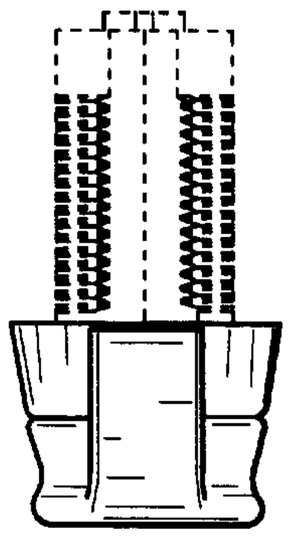


FIG. 29

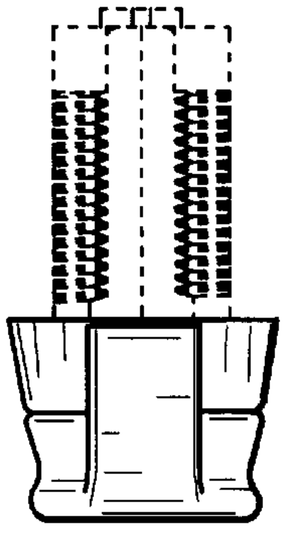
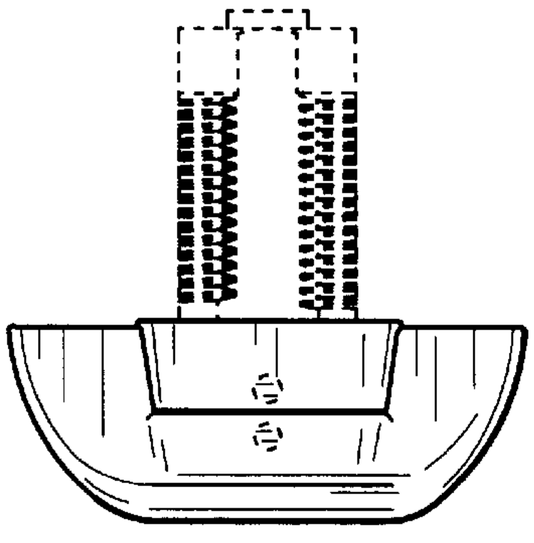


FIG. 30



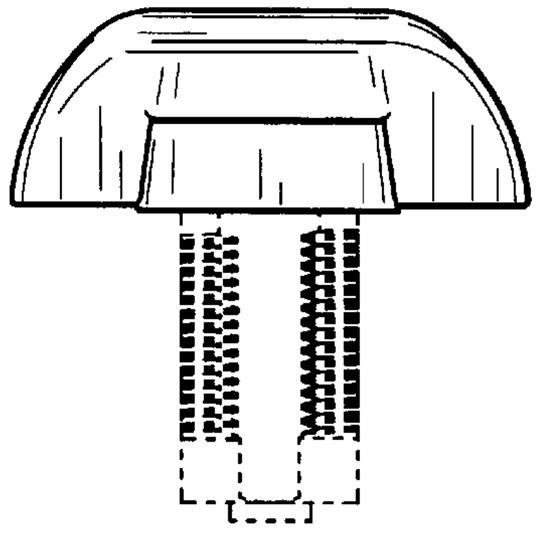


FIG. 31

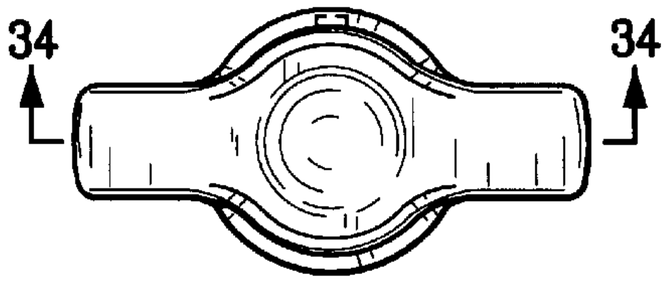


FIG. 32

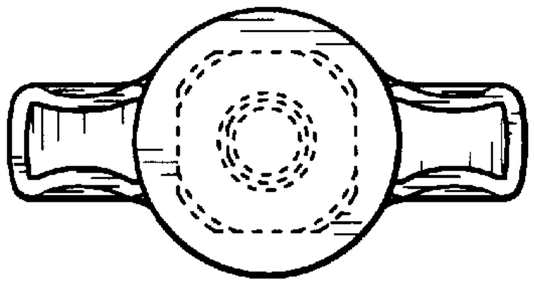


FIG. 33

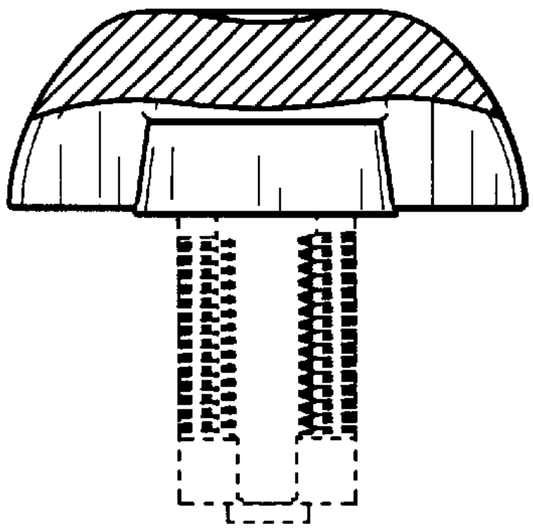
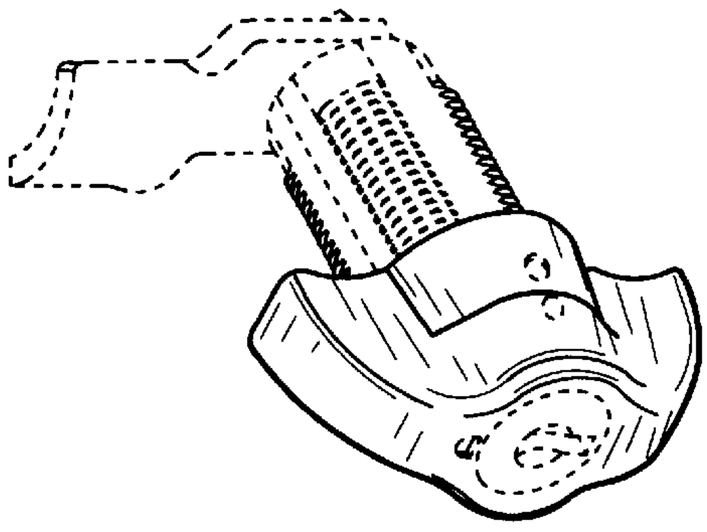


FIG. 34

FIG. 35



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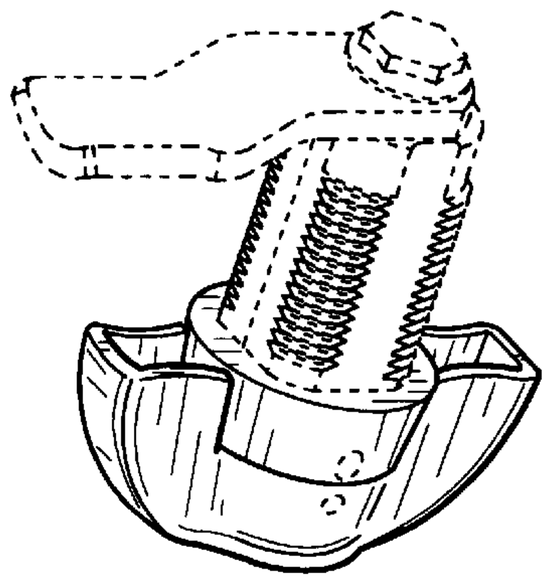

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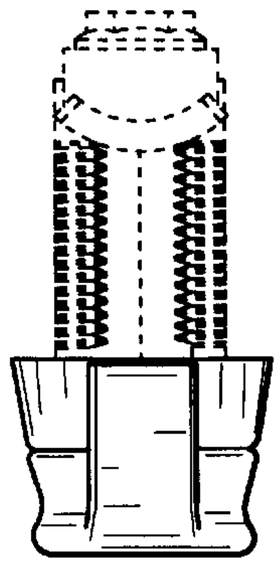

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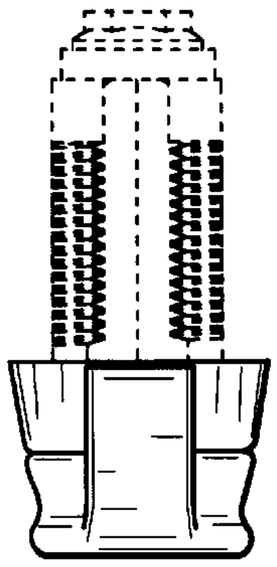


FIG. 39

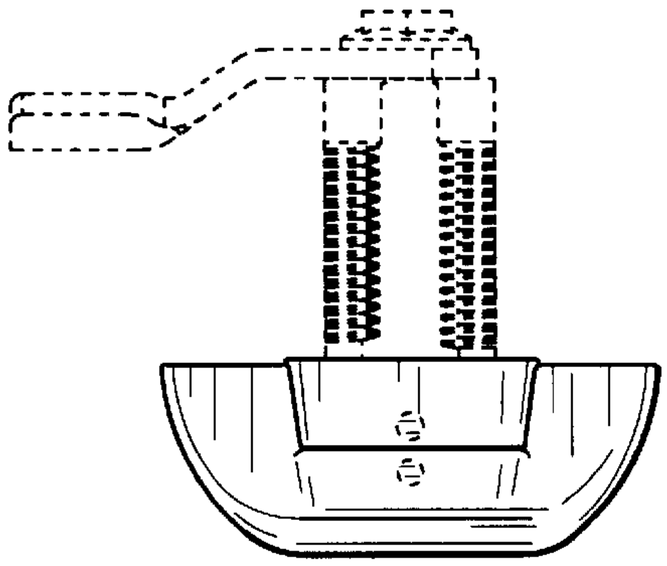


FIG. 40

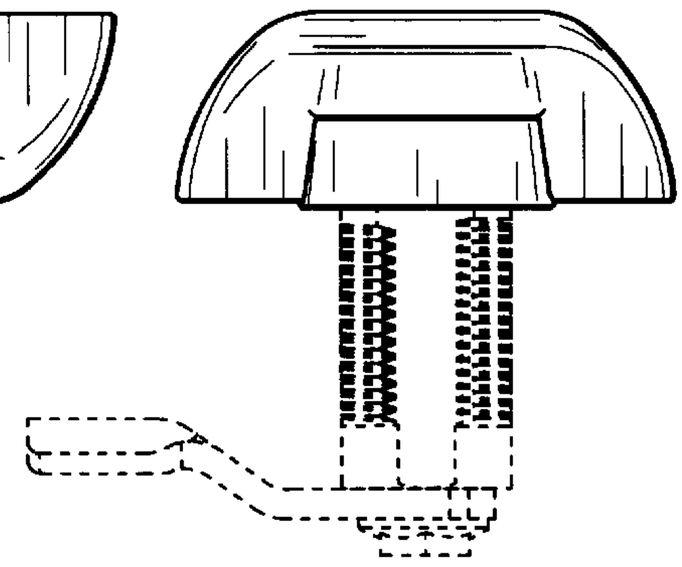


FIG. 41

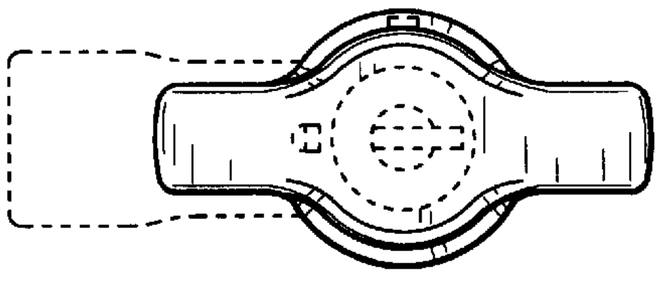


FIG. 42

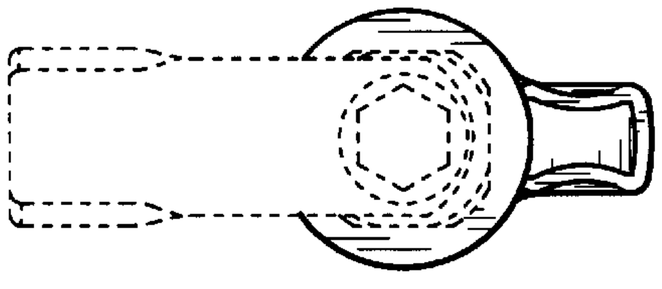


FIG. 43

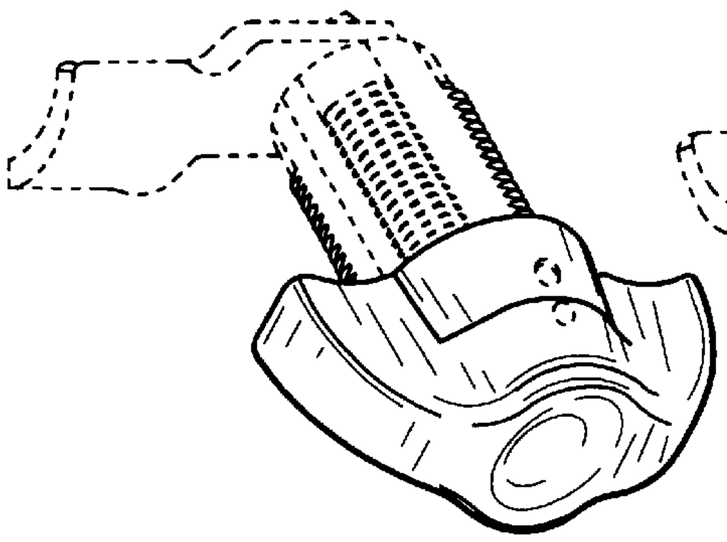


FIG. 44

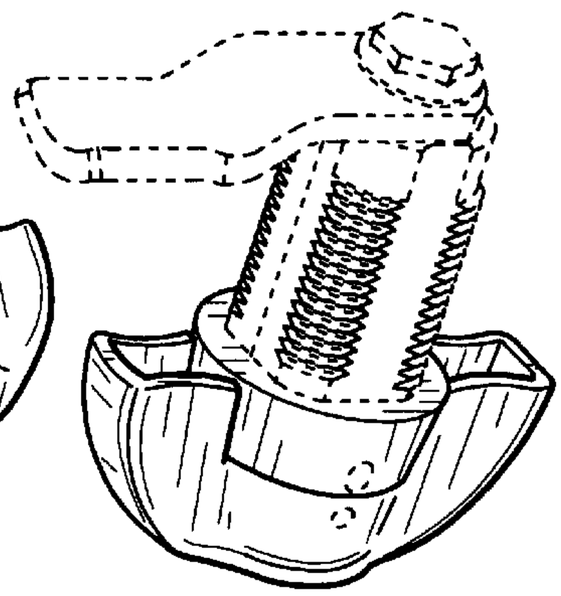


FIG. 45

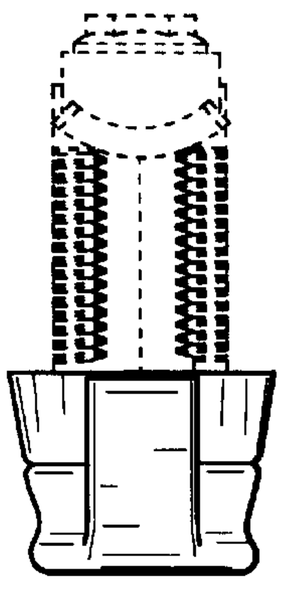


FIG. 46

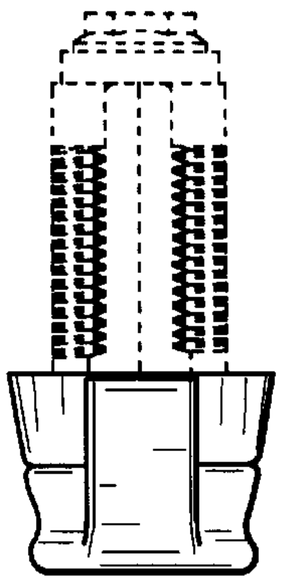


FIG. 47

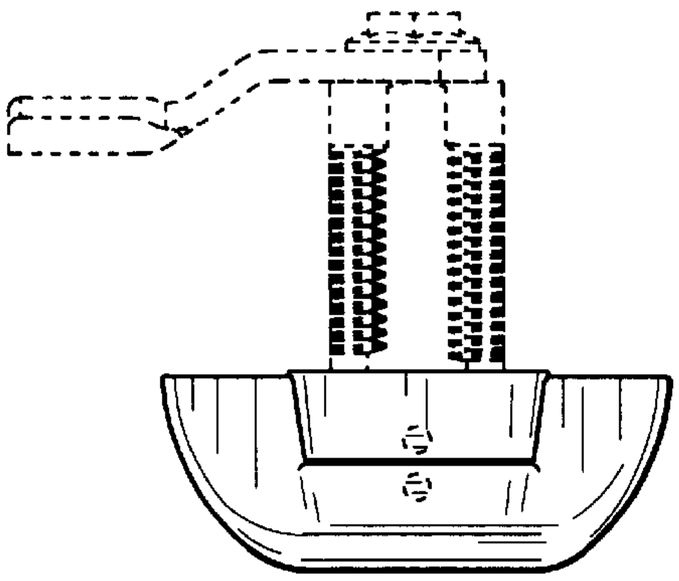
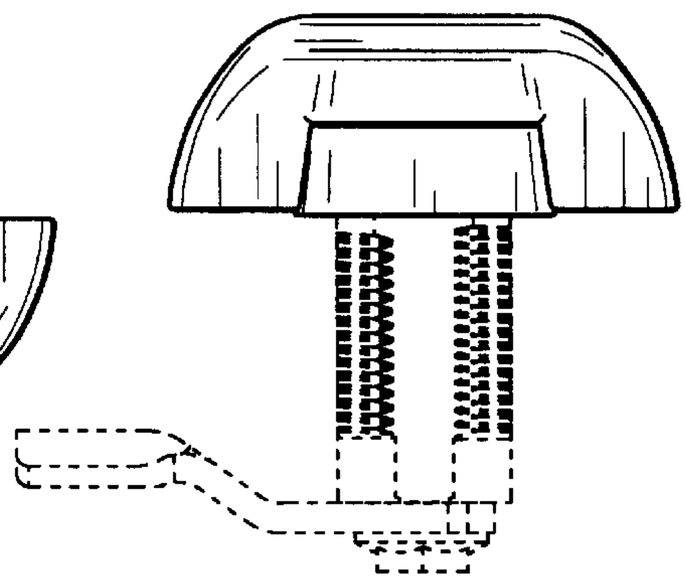


FIG. 48



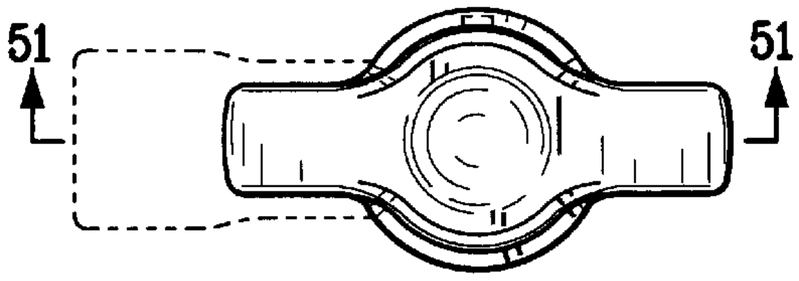


FIG. 49

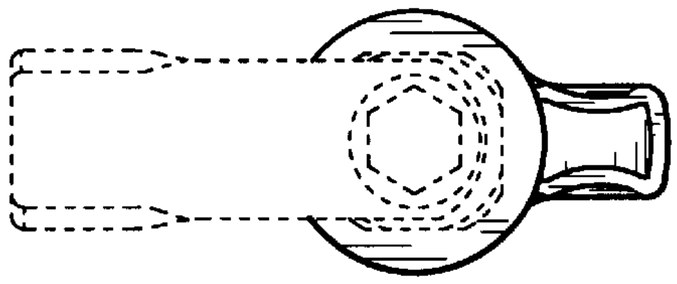
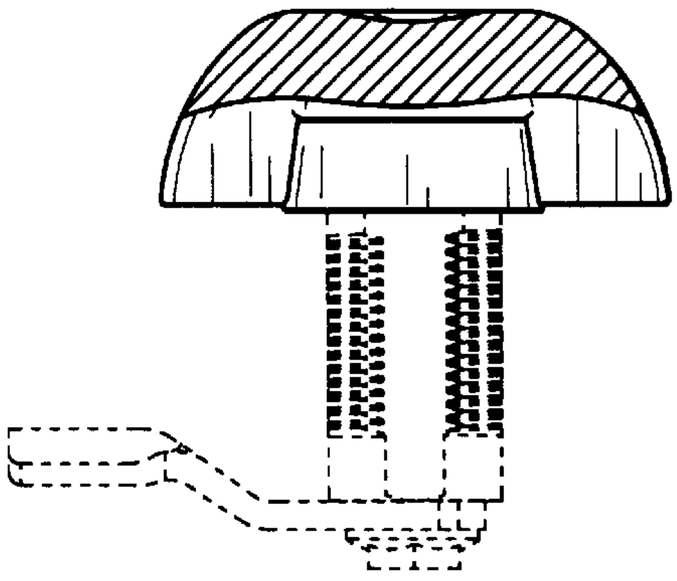


FIG. 50

FIG. 51



UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : Des. 525,513 S
APPLICATION NO. : 29/212101
DATED : July 25, 2006
INVENTOR(S) : Anderson et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On Title Page, Col. 2, description of Fig. 5 should read --Fig. 5 is a front elevational view thereof--;

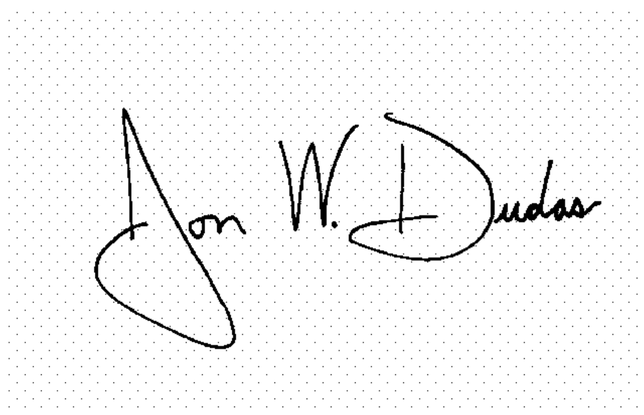
Title Page Col. 2, description of Fig. 17 should read --Fig. 17 is a cross sectional view taken along line 17---17 of Fig. 15--;

Title Page Col. 1, Page 2, description of Fig. 34 should read --Fig. 34 is a cross sectional view taken along line 34---34 of Fig. 32--;

Title Page Col. 2, Page 2, description of Fig. 51 should read --Fig. 51 is a cross sectional view taken along line 51---51 of Fig. 49--.

Signed and Sealed this

Twenty-first Day of November, 2006



JON W. DUDAS
Director of the United States Patent and Trademark Office