



US00D433621S

United States Patent [19]
Wiley

[11] **Patent Number: Des. 433,621**

[45] **Date of Patent: ** Nov. 14, 2000**

[54] **BRAKE PIN**

[75] Inventor: **Dennis A. Wiley**, Byron, Ill.

[73] Assignee: **ATF, Inc.**, Lincolnwood, Ill.

[**] Term: **14 Years**

[21] Appl. No.: **29/117,921**

[22] Filed: **Feb. 1, 2000**

[51] **LOC (7) Cl.** **08-08**

[52] **U.S. Cl.** **D8/387**

[58] **Field of Search** D8/387; D23/266;
D7/300.2; 411/395, 411, 420, 421; 188/72.2,
72.4, 73.34, 73.35, 73.39, 73.44, 250 G;
384/13

[56] **References Cited**

U.S. PATENT DOCUMENTS

324,487	8/1885	Rice	411/421
1,574,355	2/1926	Baumbach	.
1,708,793	4/1929	Jones	411/421
1,832,493	11/1931	Marsilius	.
2,562,516	7/1951	Williams	411/421
4,084,665	4/1978	Burnett	.
4,310,075	1/1982	Johannesen et al.	.
4,313,526	2/1982	Farr	.
4,427,096	1/1984	Stoka et al.	188/73.34
4,511,019	4/1985	Marianu	.
4,574,922	3/1986	Varin et al.	.
4,596,318	6/1986	Bidol	.
4,650,039	3/1987	Weiler et al.	.
4,706,417	11/1987	Gary	.
4,823,920	4/1989	Evans	.
4,856,620	8/1989	Thiel et al.	.
4,926,979	5/1990	Odaka	.
4,964,490	10/1990	Watanabe	.
5,526,904	6/1996	Walden et al.	.
5,562,187	10/1996	Tribuzio et al.	.
5,927,446	7/1999	Evans	.

OTHER PUBLICATIONS

Technical Drawing: M12-1.25x70.00mm Ind Hex Flng Hd Guide Pin w/3 Flats; Feb. 5, 1992.

Technical Drawing: M14x1.5x68.0 Ind. Hex Flange Head w/Grooves and U/Cut—GM 10 Bolt; Mar. 25, 1992.

Technical Drawing: M14-1.5x68.00mm Ind Hex Flange Head w/Grooves and U'Cut—GM 10 Bolt; Apr. 2, 1992.

Technical Drawing: 10.970x69.8 O/A Length Spec. Lock Pin w/3 Flats; Mar. 18, 1993.

(List continued on next page.)

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Assistant Examiner—Reid Hecker

Attorney, Agent, or Firm—Brian G. Gilpin; Godfrey & Kahn, S.C.

[57] **CLAIM**

The ornamental design for a brake pin, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the first embodiment of the brake pin showing the new design;

FIG. 2 is a top view of the first and second embodiments of the brake pin showing the new design;

FIG. 3 is a bottom view of the first embodiment of the brake pin showing the new design;

Technical Drawing: 9.76x59.5 O/A Lgth.Hex Hd Caliper Guide Pin; Dec. 15, 1995.

Technical Drawing: M14x103.5 Special Ind. Hex. Washer Hd. Shldr. Bolt w/4 Vents; Jan. 15, 1996.

Technical Drawing: M14x1.5x68.0 Ind. Hex Flange Head w/Grooves (GM 10 Bolt); Oct. 26, 1996.

Technical Drawing: M14-1.5x87.6mm Special Hex Washer Hd. Shldr. Bolt w/3 Vents; Mar. 20, 1997.

Technical Drawing: 20.0x97.0 O/A Lgth. Caliper Guide Pin; May 30, 1997.

Technical Drawing: 10.0x69.9 O/A Lgth. Caliper Guide Pin; Jun. 3, 1997.

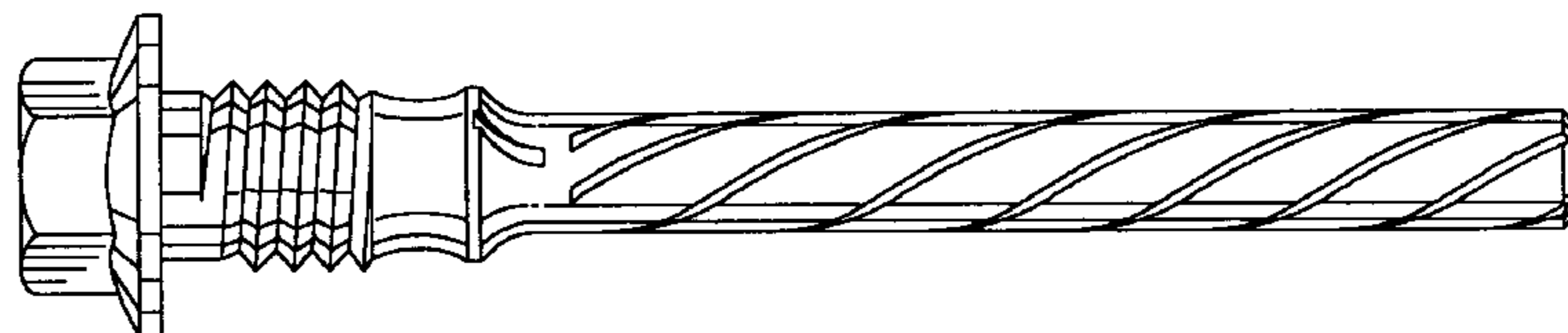
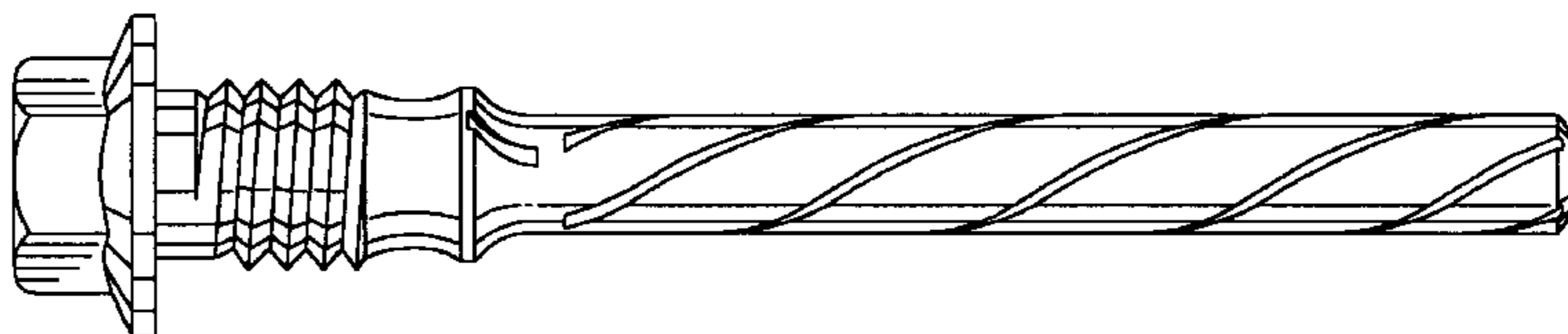
FIG. 4 is a front view of the first embodiment of the brake pin showing the new design;

FIG. 5 is a perspective view of the second embodiment of the brake pin showing the new design;

FIG. 6 is a bottom view of the second embodiment of the brake pin showing the new design; and,

FIG. 7 is a front view of the second embodiment of the brake pin showing the new design.

1 Claim, 2 Drawing Sheets



OTHER PUBLICATIONS

Technical Drawing: M12-1.25×87.6mm Spec. Indented Hex Flange Head Grade 9.8 Threaded Shoulder Bolt with 3 Vents; Oct. 22, 1993.

Technical Drawing: 10.970×69.8 O/A Spec. Guide Pin w/3-Flats; Jul. 1, 1994.

Technical Drawing: 10.970×69.8 O/A Special Guide Pin w/3 Flats; May 9, 1995.

Technical Drawing: M12×1.25×77.5 Special Ind. Hex Flange Hd. Guide Pin; Jul. 13, 1995.

Technical Drawing: 9.76×72.5 O/A Lgth. Caliper Guide Pin; Oct. 27, 1995.

Technical Drawing: M14×9238 Special Ind. Hex. Washer Hd. Shldr. Bolt w/4 Vents; Aug. 14, 1997.

Technical Drawing: M14×92.8 Special Ind. Hex. Washer Hd. Shldr. Bolt w/4 Vents; Oct. 20, 1997.

Technical Drawing: 9.85×72 mm O/A Lgth Spec. Trim Hd Shldr Lock Pin w/ Groove & 3 Flats; Dec. 13, 1997.

Technical Drawing: MJ16×102.5 Special Indented Hex Washer Head Shoulder Bolt w/4 Vents; Apr. 24, 1998.

Technical Drawing: 8.500×69.8 O/A Length Special Guide Pin w/3 Flats; May 4, 1998.

Technical Drawing: M8×1.25×32.50 Mmdrum Brake Adj Scr; Dec. 1, 1998.

Technical Drawing: MJ16×98.5 Special Torx Round Washer Hd. Shldr. Bolt w/4 Vents; Jun. 7, 1999.

Technical Drawing: 20.0×97.0 O/A Lgth. Caliper Guide Pin; Jun. 28, 1999.

Technical Drawing: M14×1.5×87.6mm Special Hex Flange Washer Head, Shldr Bolt w/3 Vents & Spec. Point; Aug. 18, 1999.

Technical Drawing: M14×1.5×87.6mm Special Hex Flange Washer Head, Shoulder Bolt w/3 Vents & 3 Flats; Sep. 21, 1999.

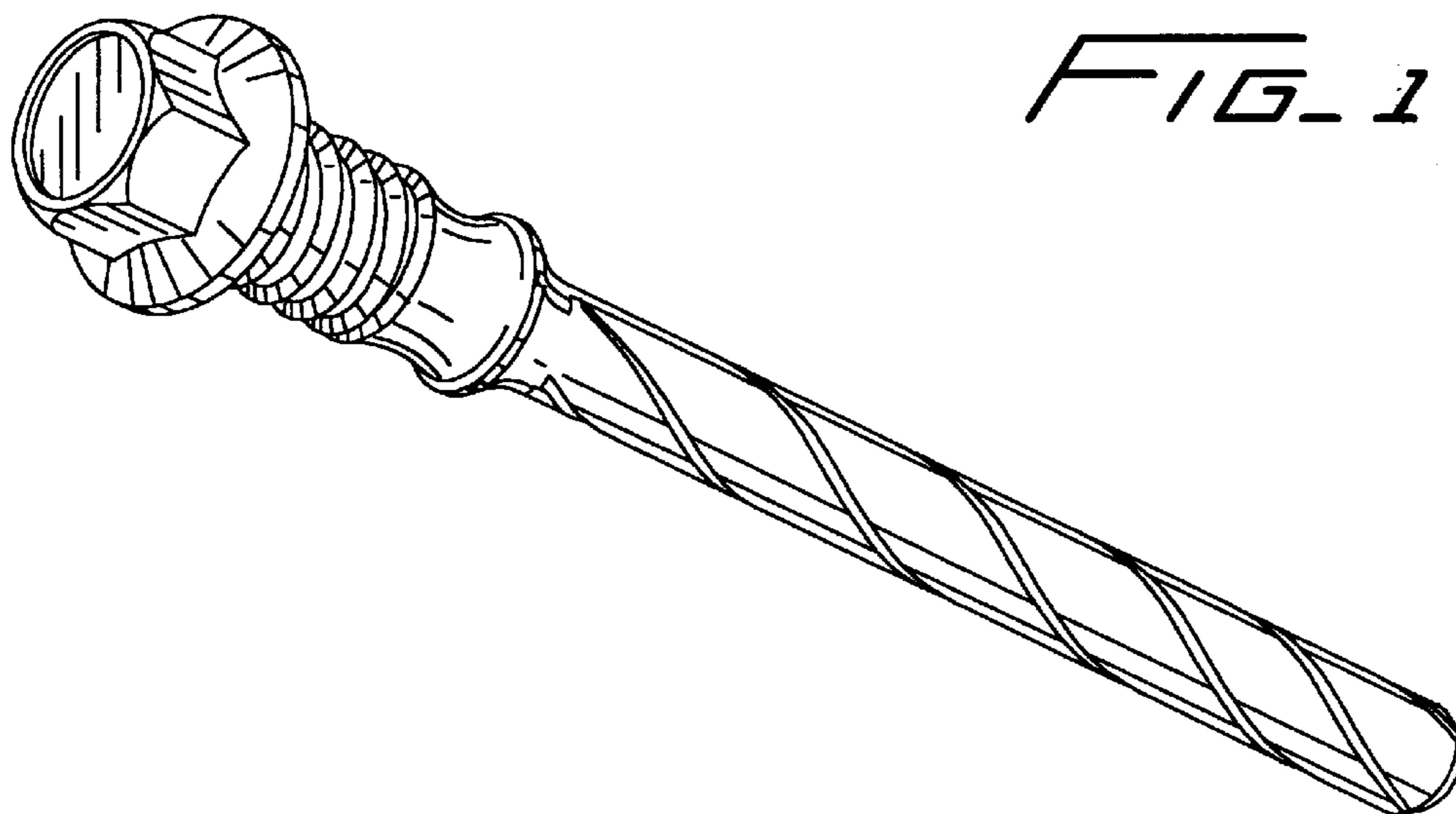


FIG. 1

FIG. 2

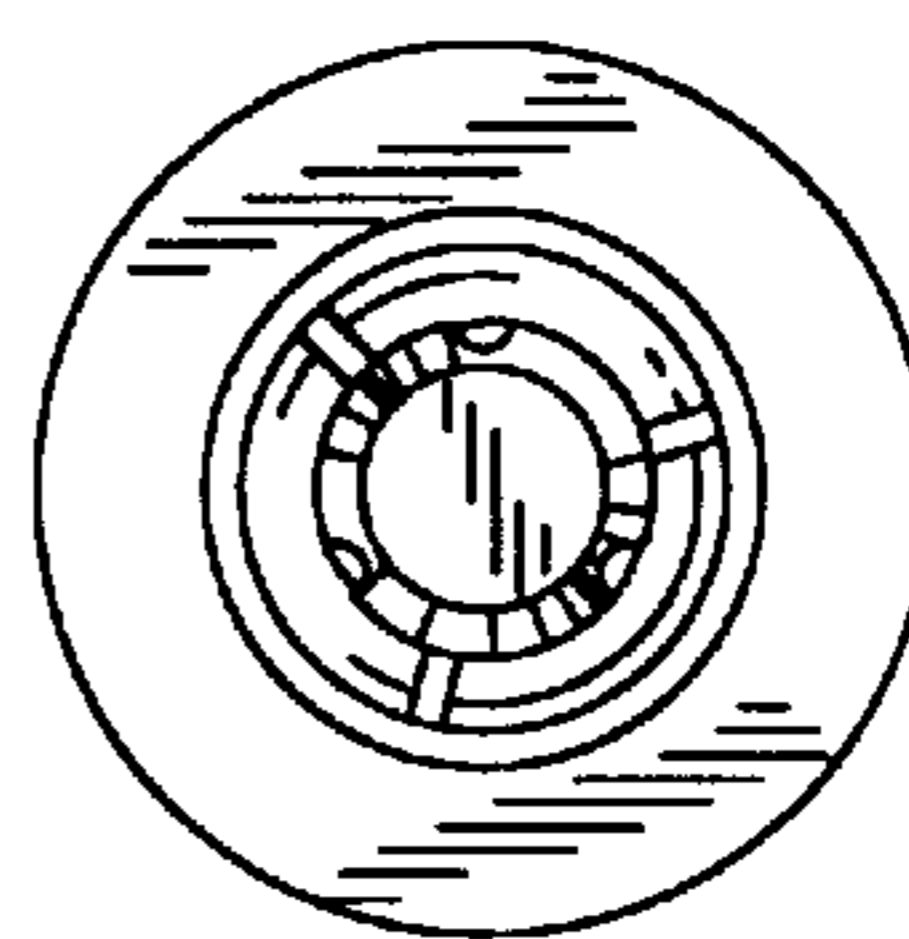
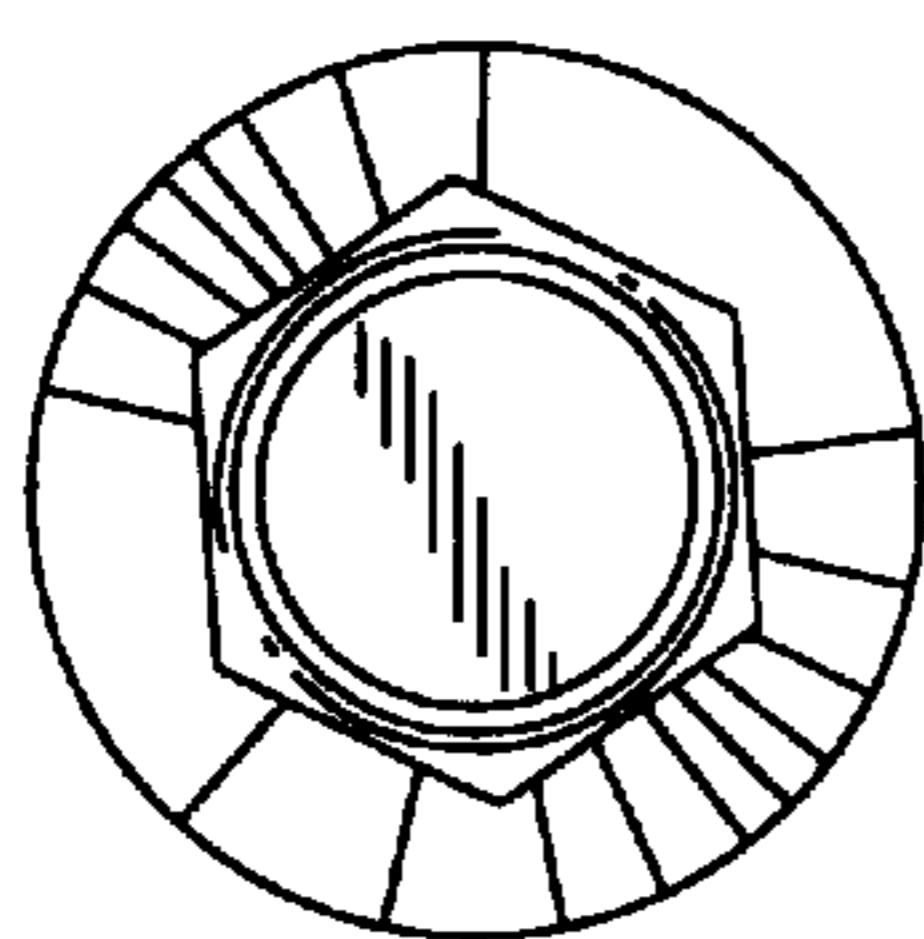
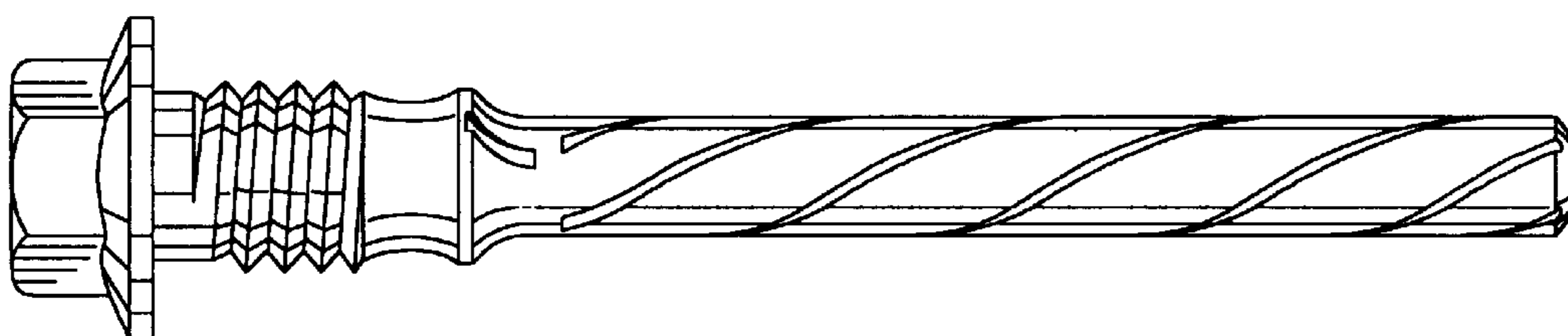


FIG. 3

FIG. 4



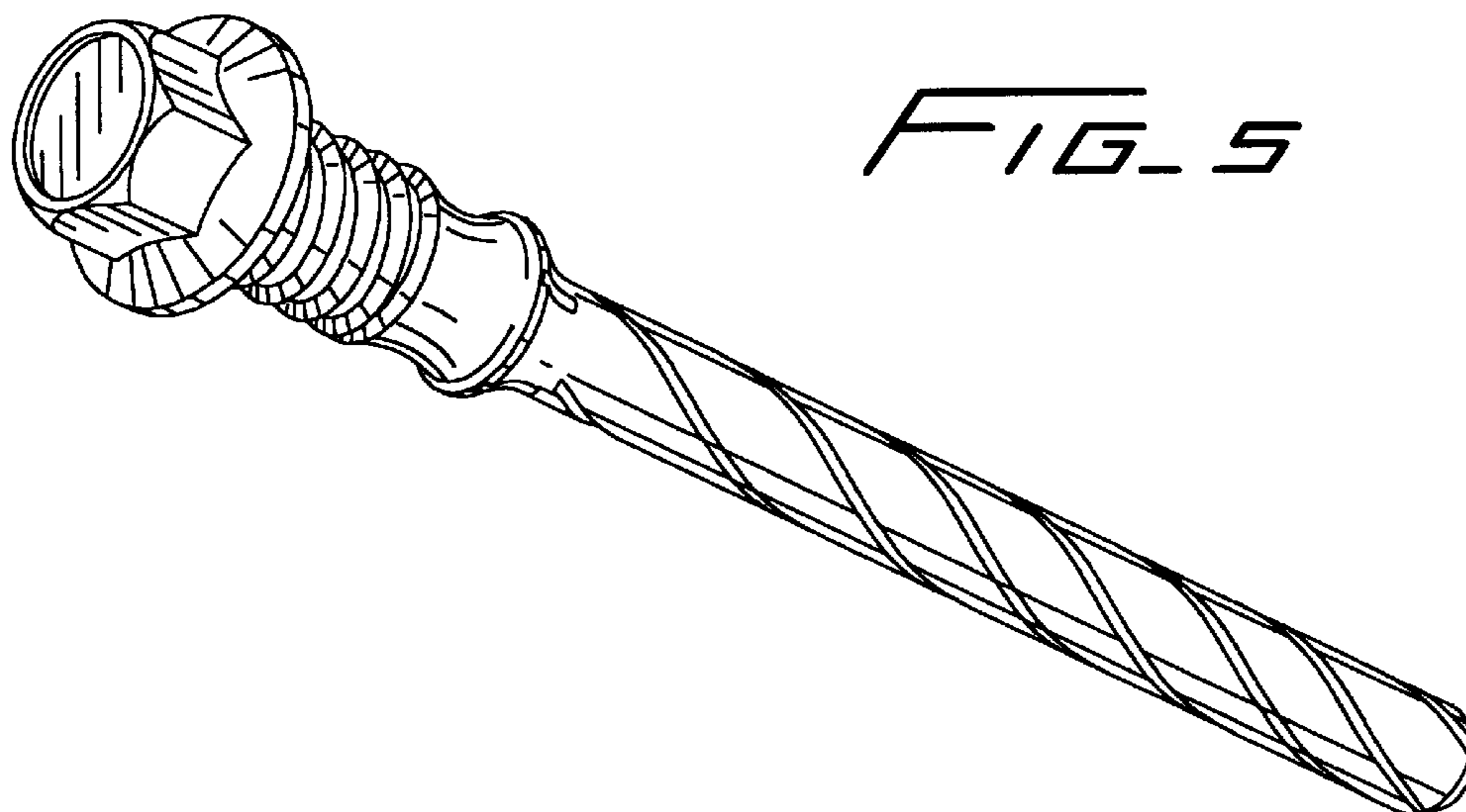


FIG. 5

FIG. 6

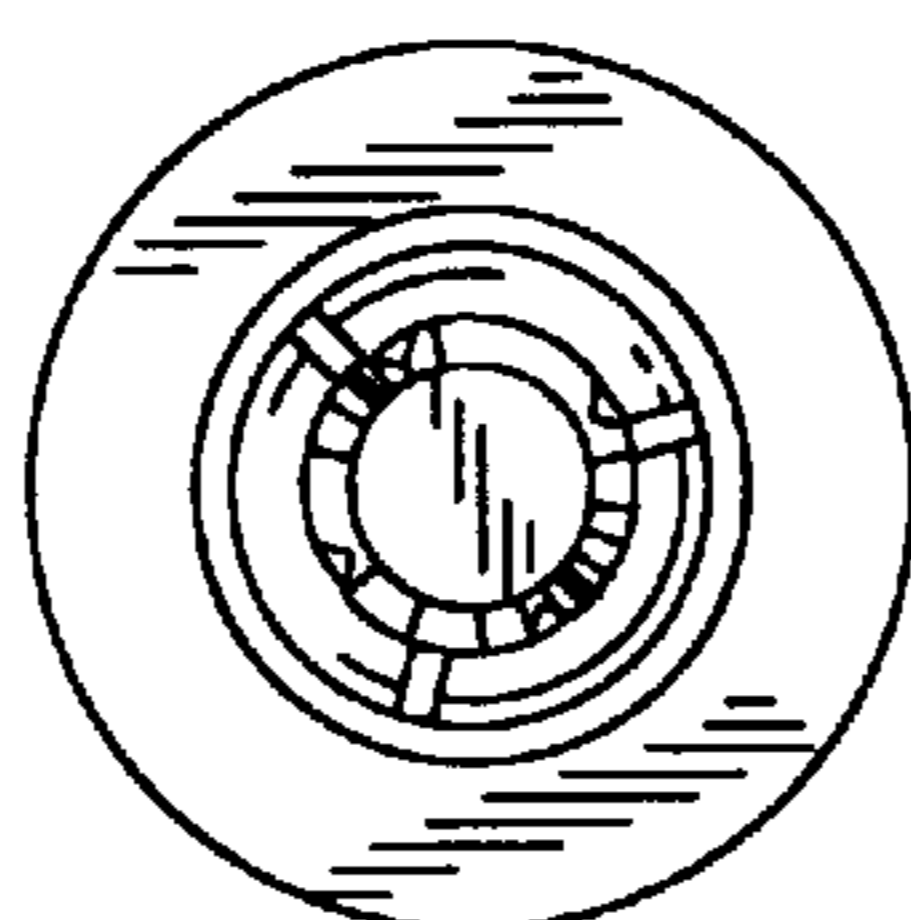
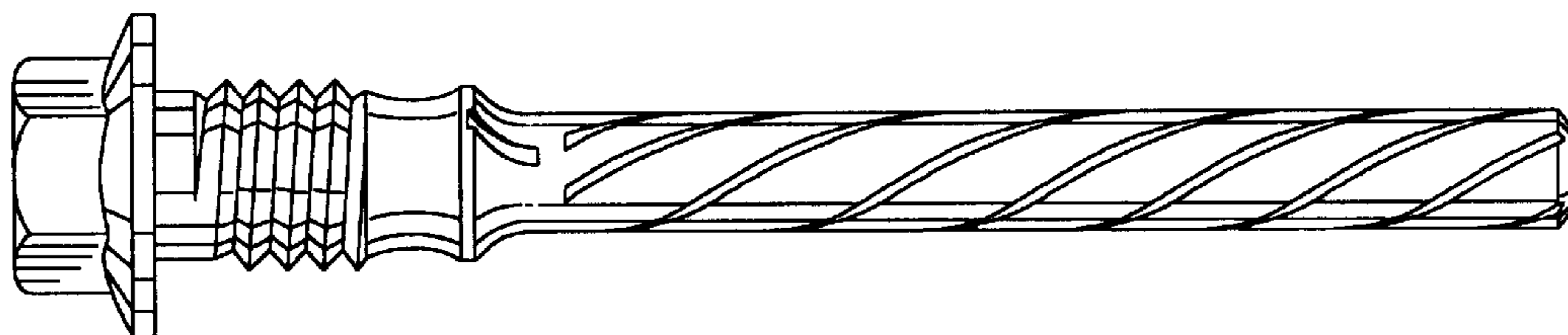


FIG. 7



UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : D433,621
DATED : November 14, 2000
INVENTOR(S) : Wiley

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

The following text appearing in the "Description" between Fig. 3 and Fig. 4 should appear under the "References Cited" section of the patent:

Technical Drawing: 9.76x59.5 O/A Lgth.Hex Hd Caliper Guide Pin; Dec. 15, 1995.
Technical Drawing: M14x103.5 Special Ind. Hex. Washer Hd. Shldr. Bolt w/4 Vents; Jan. 15, 1996.
Technical Drawing: M14x1.5x68.0 Ind. Hex Flange head w/Grooves (GM 10 Bolt); Oct. 26, 1996.
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Technical Drawing: 20.0x97.0 O/A Lgth. Caliper Guide Pin; May 30, 1997.
Technical Drawing: 10.0x69.9 O/A Lgth. Caliper Guide Pin; Jun. 3, 1997.

Signed and Sealed this
First Day of May, 2001



NICHOLAS P. GODICI

Attest:

Attesting Officer

Acting Director of the United States Patent and Trademark Office