



US00D906099S

(12)

United States Design Patent

Winter

(10)

Patent No.:

US D906,099 S

(45)

Date of Patent:

** Dec. 29, 2020

(54) CARRIAGE BOLT

(71) Applicant: Winter Equipment Company,
Willoughby, OH (US)

(72) Inventor: Kent Winter, Willoughby, OH (US)

(73) Assignee: WINTER EQUIPMENT COMPANY,
Willoughby, OH (US)

(**) Term: 15 Years

(21) Appl. No.: 29/681,479

(22) Filed: Feb. 26, 2019

(51) LOC (12) Cl. 08-08

(52) U.S. Cl.
USPC D8/387

(58) Field of Classification Search
USPC D8/385, 387, 388, 389, 390, 391, 393
CPC F16B 23/0007; F16B 23/0015; F16B 23/0023; F16B 23/003; F16B 23/0038; F16B 23/0046; F16B 23/00; F16B 23/0092; F16B 23/0084; F16B 25/0036; F16B 25/0042; F16B 25/0015; F16B 25/0021; F16B 25/0026; F16B 25/0031; F16B 25/0047; F16B 25/001; F16B 25/00; F16B 27/00; F16B 33/00; F16B 33/02; F16B 35/048; B21H 3/02; B21H 3/027; B21K 1/46; Y10S 411/914
See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

47,113 A * 4/1865 Lewis B21K 1/46 470/11

80,299 A * 7/1868 Martin F16B 25/00 411/411

94,276 A * 8/1869 Bell B21K 1/46 470/11

281,831 A * 7/1883 Brown F16B 23/003 411/403

324,180 A * 8/1885 Smith B21K 1/46 470/11

340,683 A * 4/1886 Smith B21K 1/46 470/11

D25,522 S * 5/1896 Ill D8/375

D35,710 S * 2/1902 Stickley D8/387

755,804 A * 3/1904 Smith F16B 23/00 411/402

1,194,825 A * 8/1916 Dodds B21K 1/46 470/11

1,209,947 A * 12/1916 Dodds B21K 1/46 470/11

1,250,148 A * 12/1917 Dodds B21K 1/46 470/11

D59,346 S * 10/1921 Gill D8/387

1,988,926 A * 1/1935 Thomson F16B 33/004 470/11

2,076,041 A * 4/1937 Payne F16B 25/0021 411/410

2,562,516 A * 7/1951 Williams F16B 25/0031 470/11

3,079,968 A * 3/1963 Buckley F16B 25/0052 411/304

3,195,156 A * 7/1965 Phipard, Jr. B21H 3/027 470/10

(Continued)

Primary Examiner — Sandra Snapp
Assistant Examiner — Ieisha N Price
(74) Attorney, Agent, or Firm — Fay Sharpe LLP

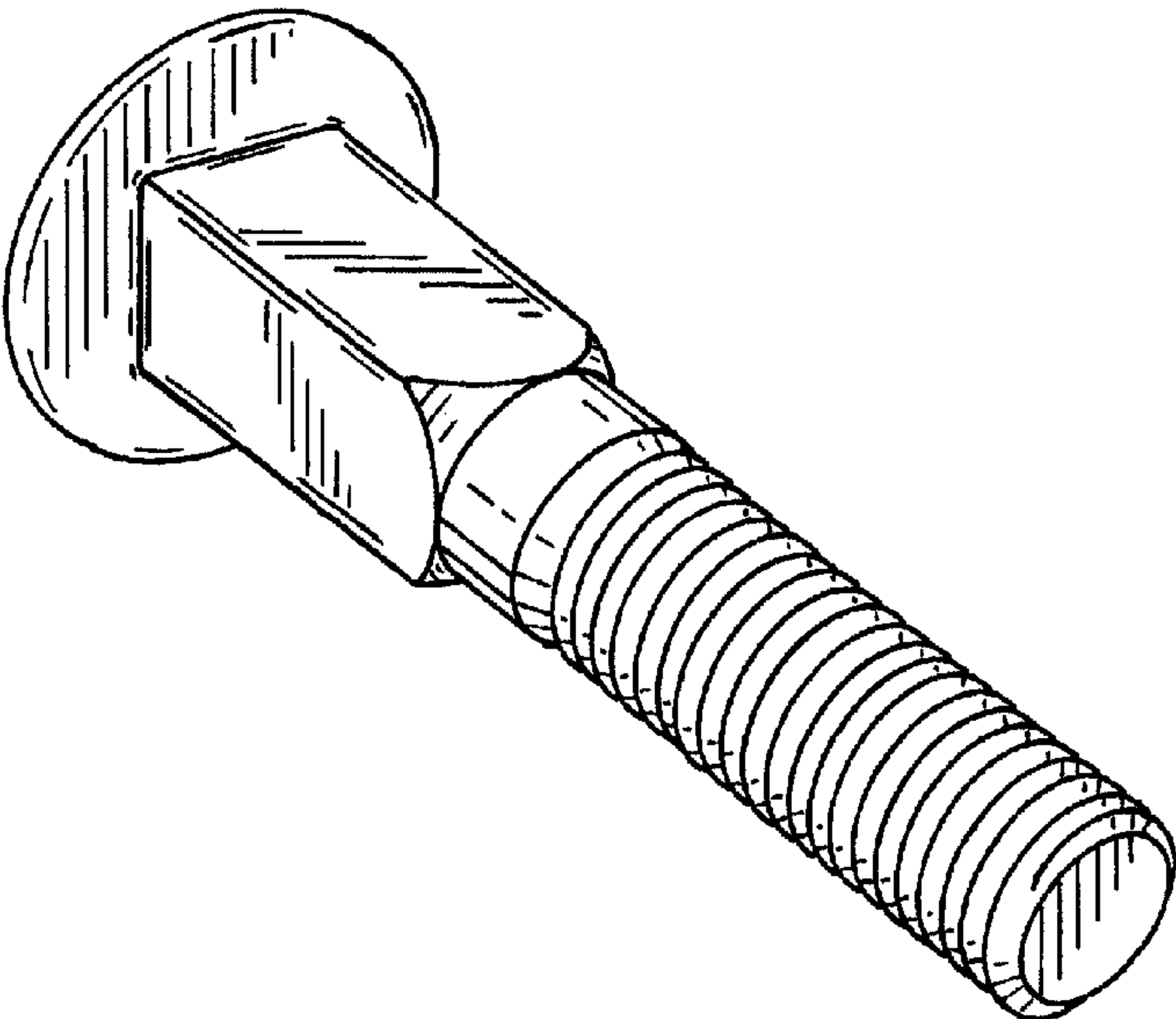
(57) CLAIM

The ornamental design for a carriage bolt, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a carriage bolt;
FIG. 2 is a front elevation view thereof;
FIG. 3 is a top plan view thereof; and,
FIG. 4 is a bottom plan view thereof.

1 Claim, 1 Drawing Sheet



(56)

References Cited

U.S. PATENT DOCUMENTS

3,454,070 A * 7/1969 Phipard, Jr. F16B 39/30
411/168
D233,735 S * 11/1974 Yamamoto D8/387
3,918,345 A * 11/1975 Phipard, Jr. F16B 25/0021
411/416
3,978,758 A * 9/1976 Bright B21K 1/46
411/397
D249,227 S * 9/1978 Ismert, III D8/387
D283,301 S * 4/1986 Spitz D8/382
D363,878 S * 11/1995 Hayabusa D8/387
D415,676 S * 10/1999 Negishi D8/387
D422,202 S * 4/2000 Maki D8/387
D466,001 S * 11/2002 Monson D8/387
D482,957 S * 12/2003 Lajeunesse D8/387
D807,736 S * 1/2018 Adriano D8/387
D823,102 S * 7/2018 Camilleri D8/387
D828,148 S * 9/2018 Camilleri D8/387
D847,595 S * 5/2019 Hampton D8/14
2010/0068003 A1 * 3/2010 Wagner B21H 3/02
411/386
2018/0223889 A1 * 8/2018 Yi B21K 1/46

* cited by examiner

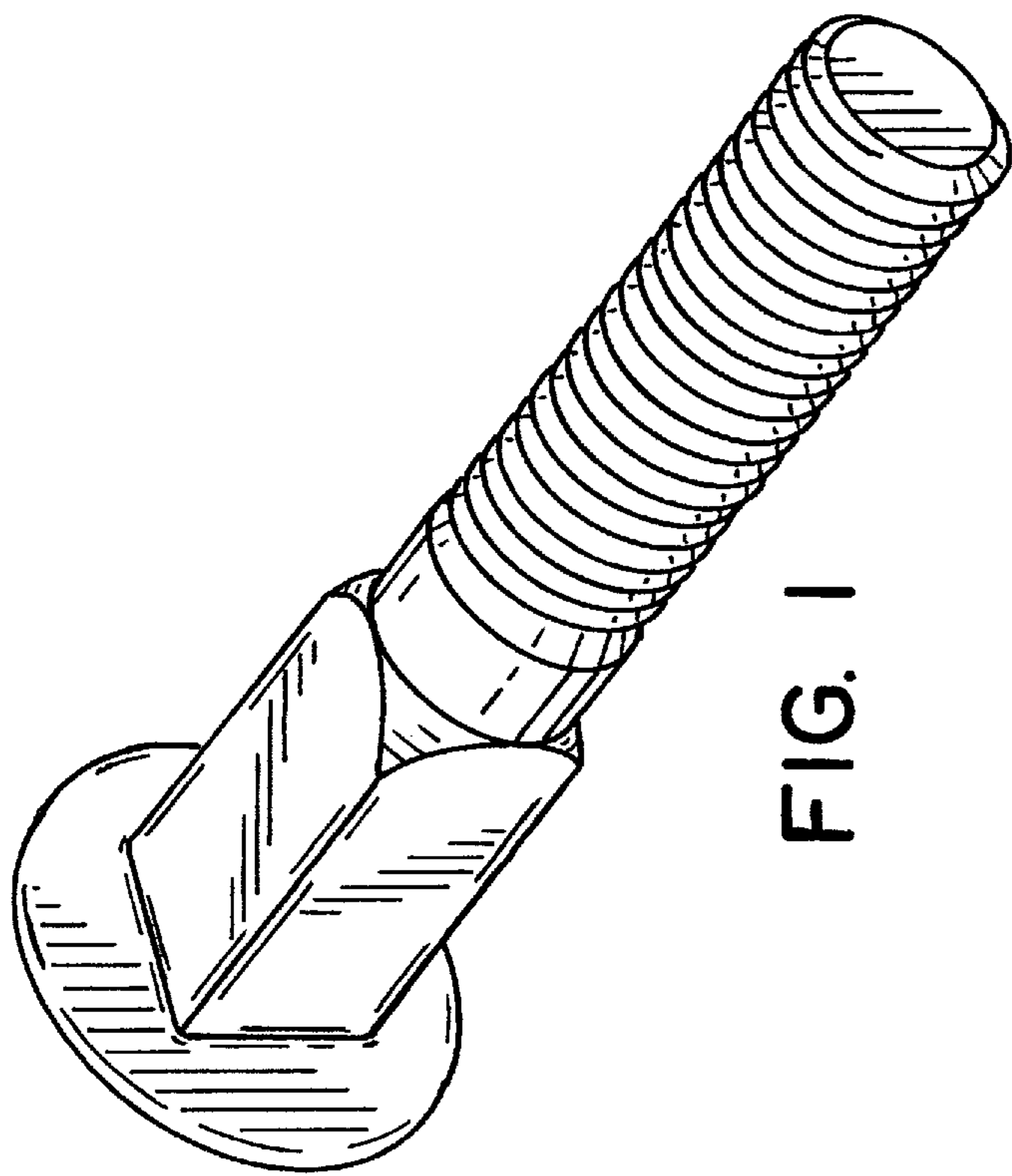


FIG. 1

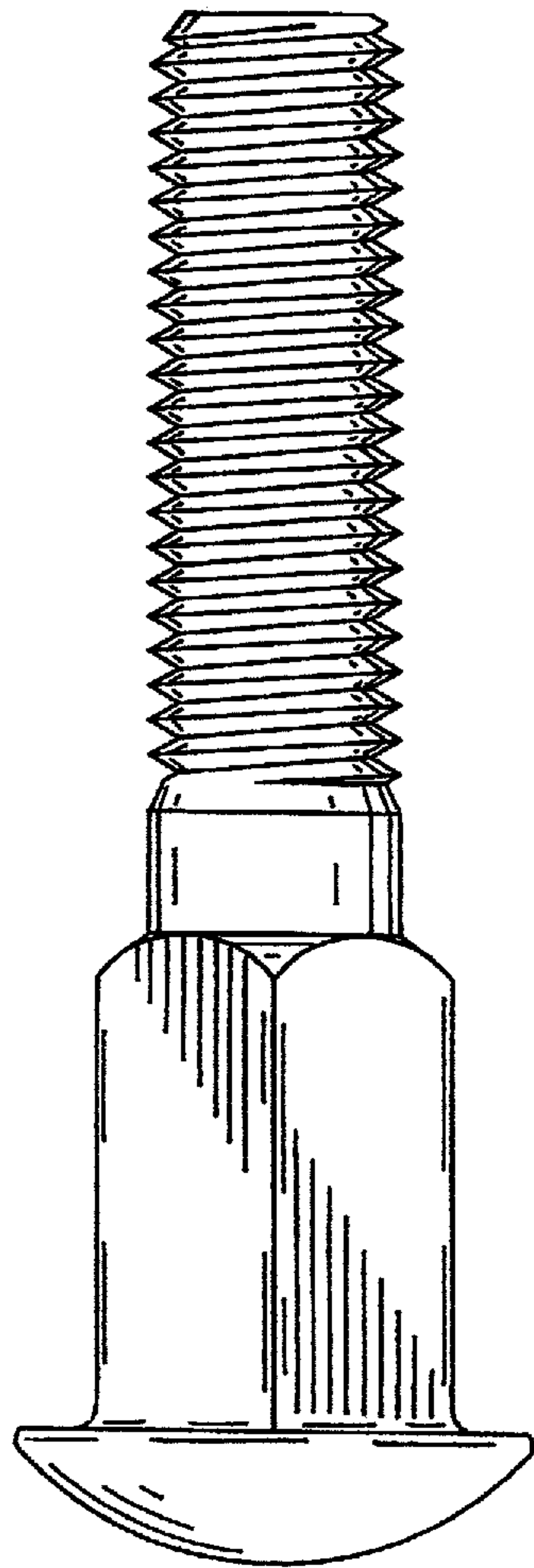


FIG. 2

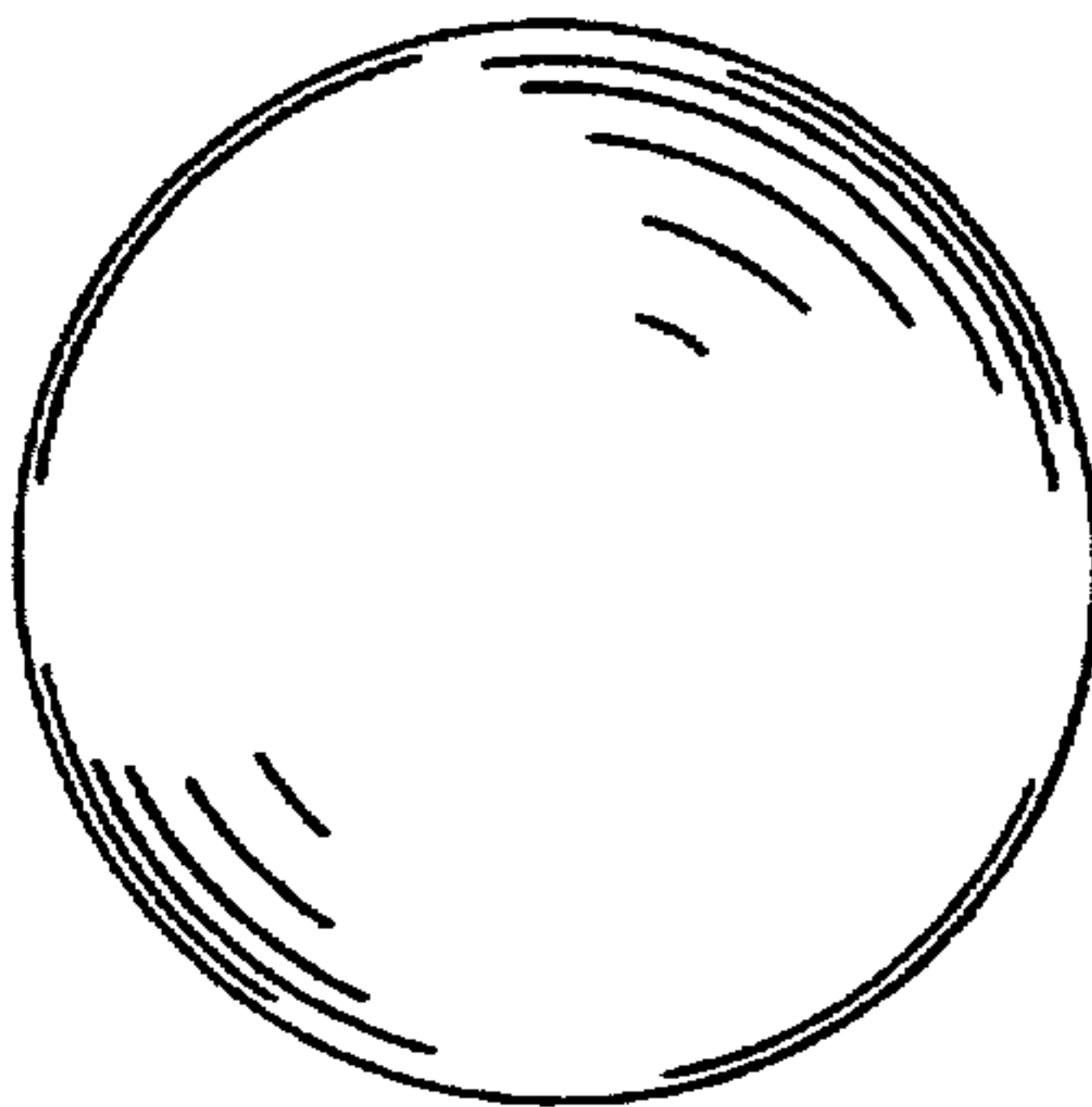


FIG. 3

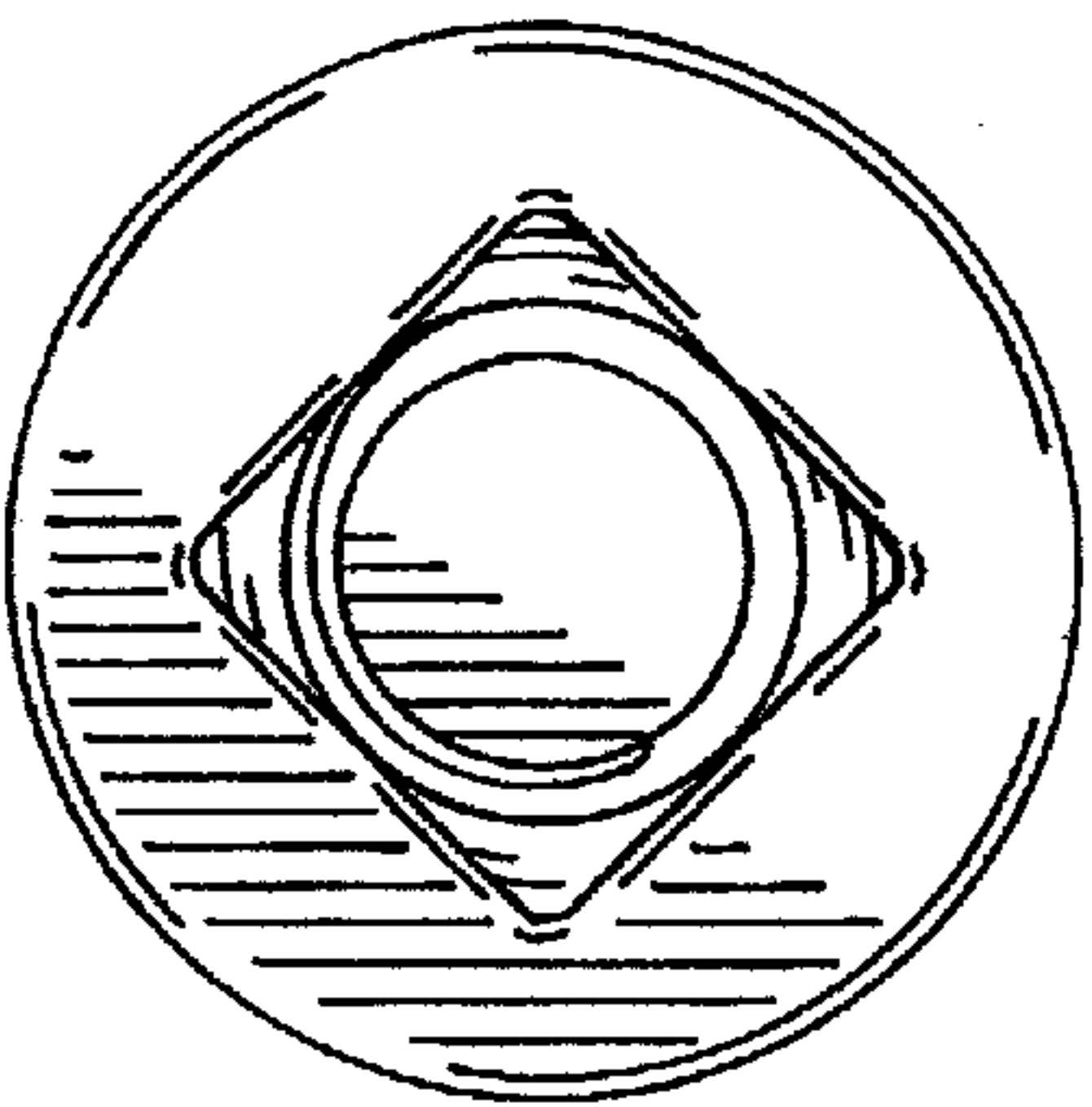


FIG. 4