



US00D431986S

United States Patent [19]
McCalla et al.

[11] **Patent Number: Des. 431,986**
[45] **Date of Patent: ** Oct. 17, 2000**

[54] **LIGHTED PLIER HAND TOOL**
[75] Inventors: **Gavin McCalla; William R. Lutz; Steve R. Burns**, all of Cumming, Ga.
[73] Assignee: **McCalla Company**, Alpharetta, Ga.
[**] Term: **14 Years**
[21] Appl. No.: **29/117,951**
[22] Filed: **Feb. 2, 2000**
[51] **LOC (7) Cl.** **08-05**
[52] **U.S. Cl.** **D8/52**
[58] **Field of Search** D8/51, 52, 55, D8/58, 105; 81/385, 405, 407, 408, 409, 411, 415-418, 427.5; 7/125

1,763,527 6/1930 Jones .
1,895,314 1/1933 Dripps .
2,242,536 5/1941 Montgomery 240/6.46
2,288,093 6/1942 Kaffenberger et al. 240/6.46
2,341,375 2/1944 Hambleton 240/6.46
2,392,118 1/1946 Cacarillo 30/261
2,466,342 1/1949 Watts 240/6.46
2,706,769 4/1955 Cook 240/6.46
2,736,792 2/1956 Freeland 240/6.46
2,773,974 12/1956 Markett 240/6.46
2,783,364 2/1957 Wood, Jr. 240/6.46
3,176,551 4/1965 Hansen 81/423
3,185,832 5/1965 Nagamori 240/6.46
3,575,070 4/1971 Nichols 81/416
3,603,782 9/1971 Wortmann 240/6.46
3,919,541 11/1975 Chao 240/6.46
4,283,757 8/1981 Nalbandian et al. 362/120
4,296,655 10/1981 Tesoro 81/405
4,669,340 6/1987 Igarashi 81/416
4,719,827 1/1988 Igarashi 81/417

[56] **References Cited**

(List continued on next page.)

U.S. PATENT DOCUMENTS

65,162 5/1867 Brown .
D. 182,397 4/1958 Blum .
D. 197,757 3/1964 Nagamori D93/4
198,264 12/1877 Barlow .
D. 323,449 1/1992 Corona et al. D8/83
D. 327,827 7/1992 Kwan D8/61
D. 328,699 8/1992 Shaanan et al. D8/82
D. 330,497 10/1992 Hsin D8/68
D. 331,356 12/1992 Amsberry D8/68
D. 340,633 10/1993 Badiali D8/85
D. 358,316 5/1995 Markwart et al. D8/82
D. 363,012 10/1995 Humphries D8/87
D. 367,807 3/1996 Hung D8/52
D. 376,305 12/1996 Kung D8/82
D. 383,660 9/1997 Anderson D8/83
D. 412,096 7/1999 Kung et al. D8/87
D. 415,939 11/1999 Staton D8/52
482,198 9/1892 Ryan .
597,101 1/1898 Collings .
908,947 1/1909 Burkhart .
957,560 5/1910 Holt .
1,144,210 6/1915 Kincaid .
1,236,138 8/1917 Bernard .
1,439,404 12/1922 Cotharin 240/6.46
1,603,985 10/1926 Rosenberg .
1,635,933 7/1927 Genoves .
1,657,348 1/1928 Drumm .
1,715,426 6/1929 Peterson .

FOREIGN PATENT DOCUMENTS

0 306 461 A1 3/1989 European Pat. Off. .
0 421 721 A2 10/1991 European Pat. Off. .
2 031 316 11/1982 United Kingdom .
2 053 438 4/1983 United Kingdom .
2 272 967 6/1996 United Kingdom .

Primary Examiner—Alan P. Douglas
Assistant Examiner—Reid Hecker
Attorney, Agent, or Firm—Needle & Rosenberg, P.C.

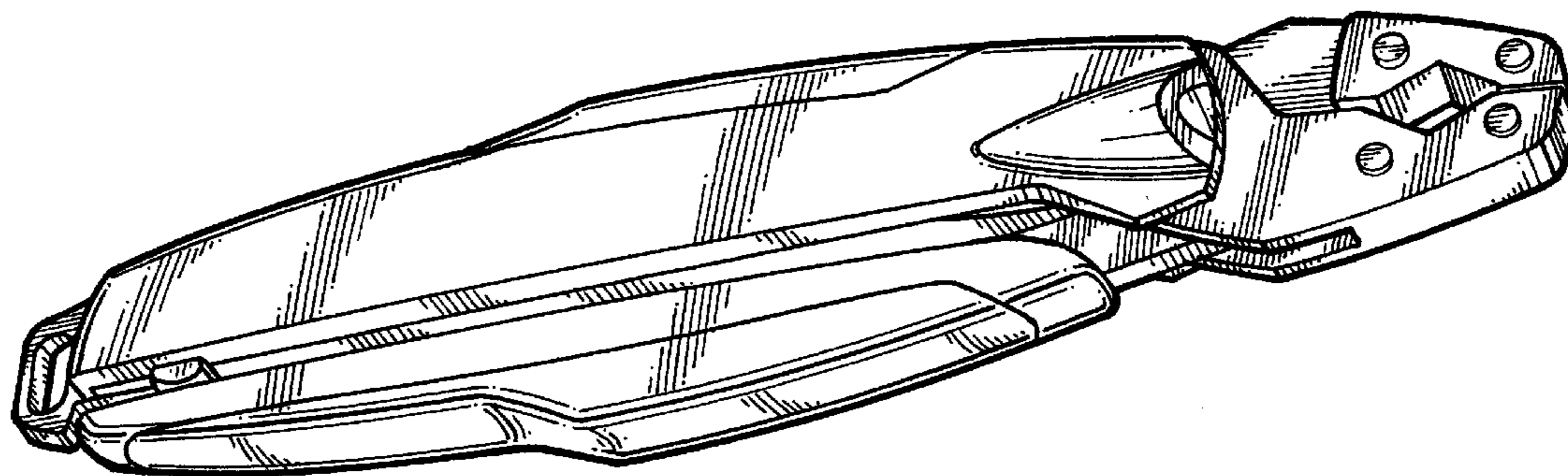
[57] **CLAIM**

The ornamental design for a lighted plier hand tool, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a lighted plier hand tool of the present invention.
FIG. 2 is a right side elevational view of FIG. 1
FIG. 3 is a front end view of FIG. 1.
FIG. 4 is a left side elevational view of FIG. 1.
FIG. 5 is a back end view of FIG. 1.
FIG. 6 is a top plan view of FIG. 1; and,
FIG. 7 is a bottom plan view of FIG. 1.

1 Claim, 4 Drawing Sheets



Des. 431,986

Page 2

U.S. PATENT DOCUMENTS

4,768,137	8/1988	Hwaw et al.	362/120	5,510,962	4/1996	Hsiao	362/120
4,903,558	2/1990	le Duc	81/416	5,515,249	5/1996	Shiao	362/119
4,936,171	6/1990	Berg	81/451	5,550,719	8/1996	Kuo	362/120
5,124,893	6/1992	Jeng	362/120	5,577,829	12/1996	Hall	362/119
5,211,468	5/1993	Jeng	362/120	5,584,565	12/1996	Berg	362/120
5,265,504	11/1993	Fruhm	81/439	5,628,115	5/1997	Hebert	30/262
5,369,555	11/1994	McKain et al.	362/120	5,628,556	5/1997	Hrabar et al.	362/119
5,473,519	12/1995	McCallops et al.	362/120	5,713,656	2/1998	Lin	362/120
				5,904,078	5/1999	Gustafson et al.	81/417

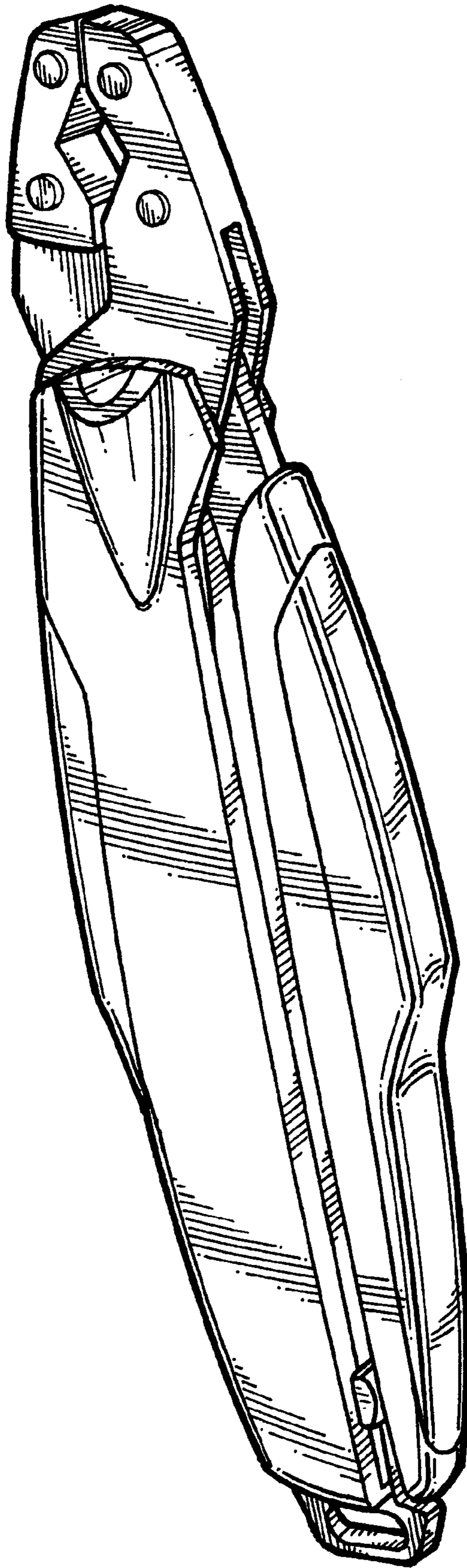


FIG. 1

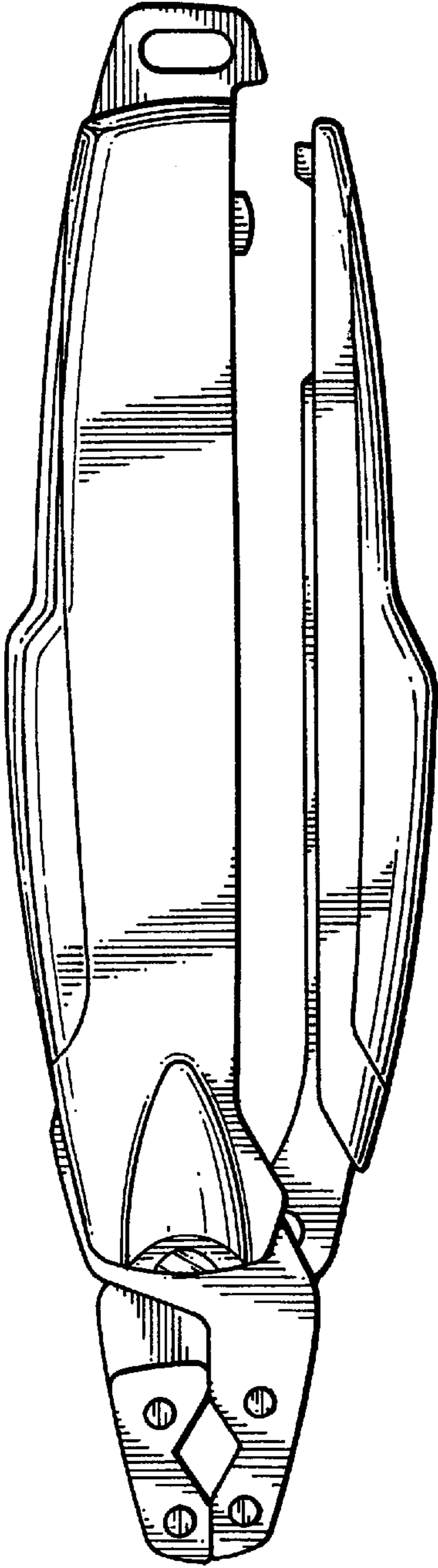


FIG. 2

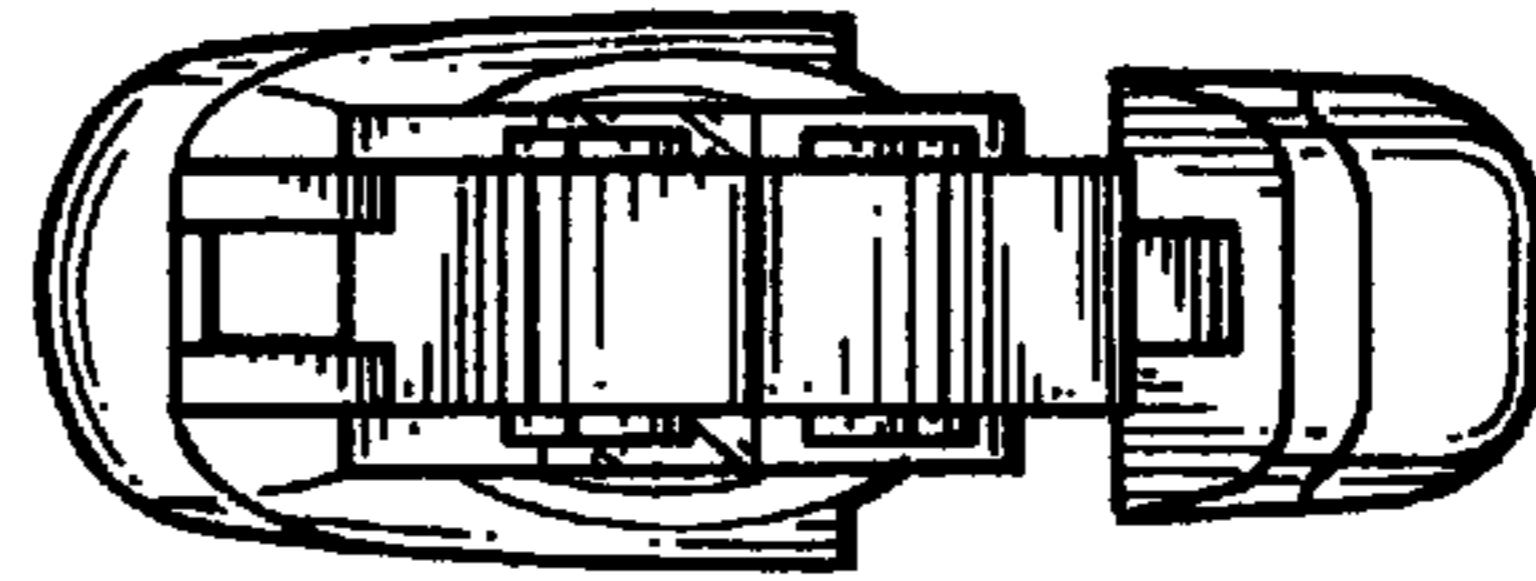


FIG. 3

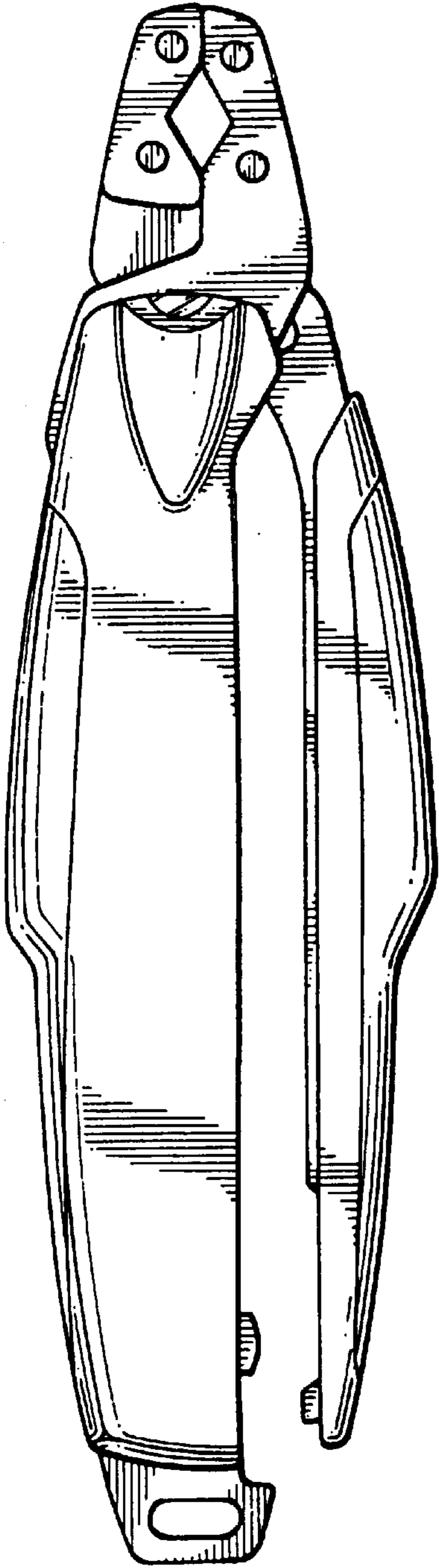


FIG. 4

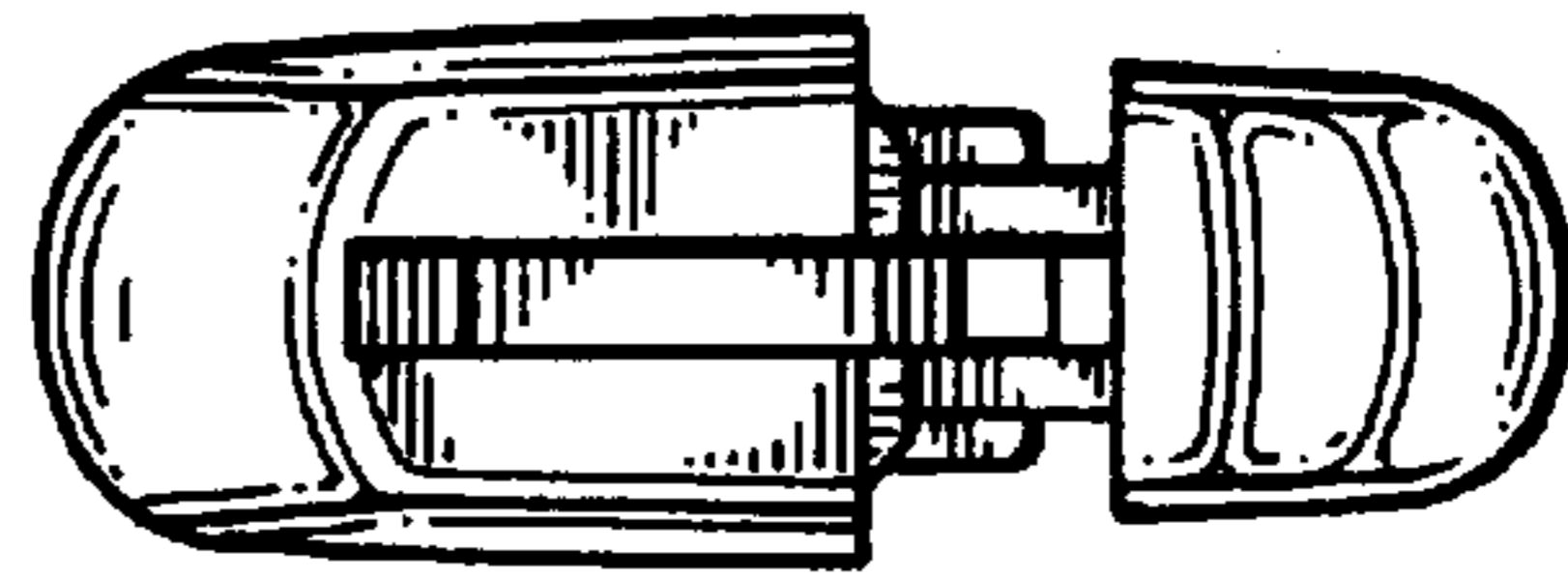


FIG. 5

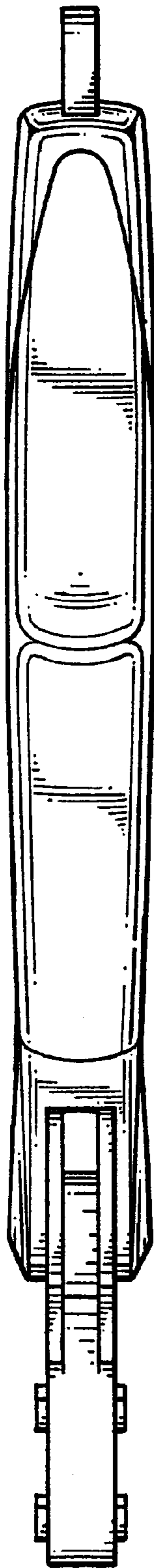


FIG. 6

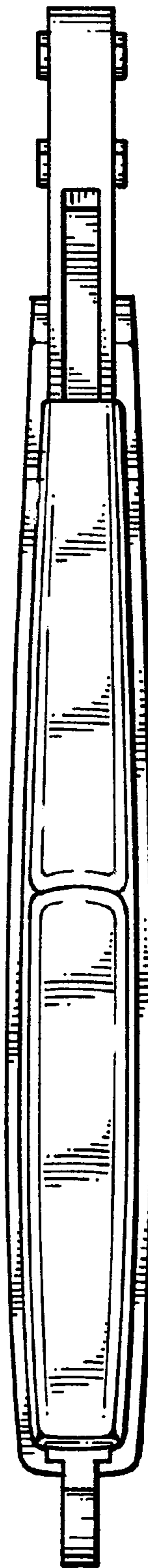


FIG. 7