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(12) **United States Design Patent**  
**Novak et al.**

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(54) **HOLE SAW**

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

(21) Appl. No.: **29/465,441**

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**Related U.S. Application Data**

(60) Division of application No. 29/417,810, filed on Apr. 9, 2012, now Pat. No. Des. 692,470, which is a continuation of application No. 29/353,762, filed on Jan. 13, 2010, now Pat. No. Des. 690,334, and a continuation of application No. 29/353,759, filed on Jan. 13, 2010, now Pat. No. Des. 659,176, and a continuation of application No. 13/006,117, filed on Jan. 13, 2011, which is a continuation-in-part of application No. 12/687,078, filed on Jan. 13, 2010, said application No. 29/417,810 is a continuation of application No. 13/006,080, filed on Jan. 13, 2011, now Pat. No. 8,579,555, which is a continuation-in-part of application No. 12/687,065, filed on Jan. 13, 2010, now Pat. No. 8,579,554.

(51) **LOC (10) Cl.** ..... **15-09**

(52) **U.S. Cl.**

USPC ..... **D15/139**

(58) **Field of Classification Search**

USPC ..... D8/70; D15/138, 139, 140;  
408/200–225, 1 R

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D44,561 S	8/1913	Gouck
1,194,503 A	8/1916	Jawoisch
1,564,105 A	12/1925	Ouellet
1,713,972 A	5/1929	Lufkin
2,319,528 A	5/1943	Barbour et al.
D139,299 S	10/1944	Walters
2,473,077 A	6/1949	Starbuck, Jr.
D160,574 S	10/1950	Carlson
2,779,361 A	1/1957	McKiff
2,817,899 A	12/1957	Wheeler
2,947,206 A	8/1960	Flanagan

(Continued)

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(57) **CLAIM**

The ornamental design for a hole saw, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a hole saw showing the present invention;

FIG. 2 is a left side elevational view thereof;

FIG. 3 is a right side elevational view thereof;

FIG. 4 is a front elevational view thereof;

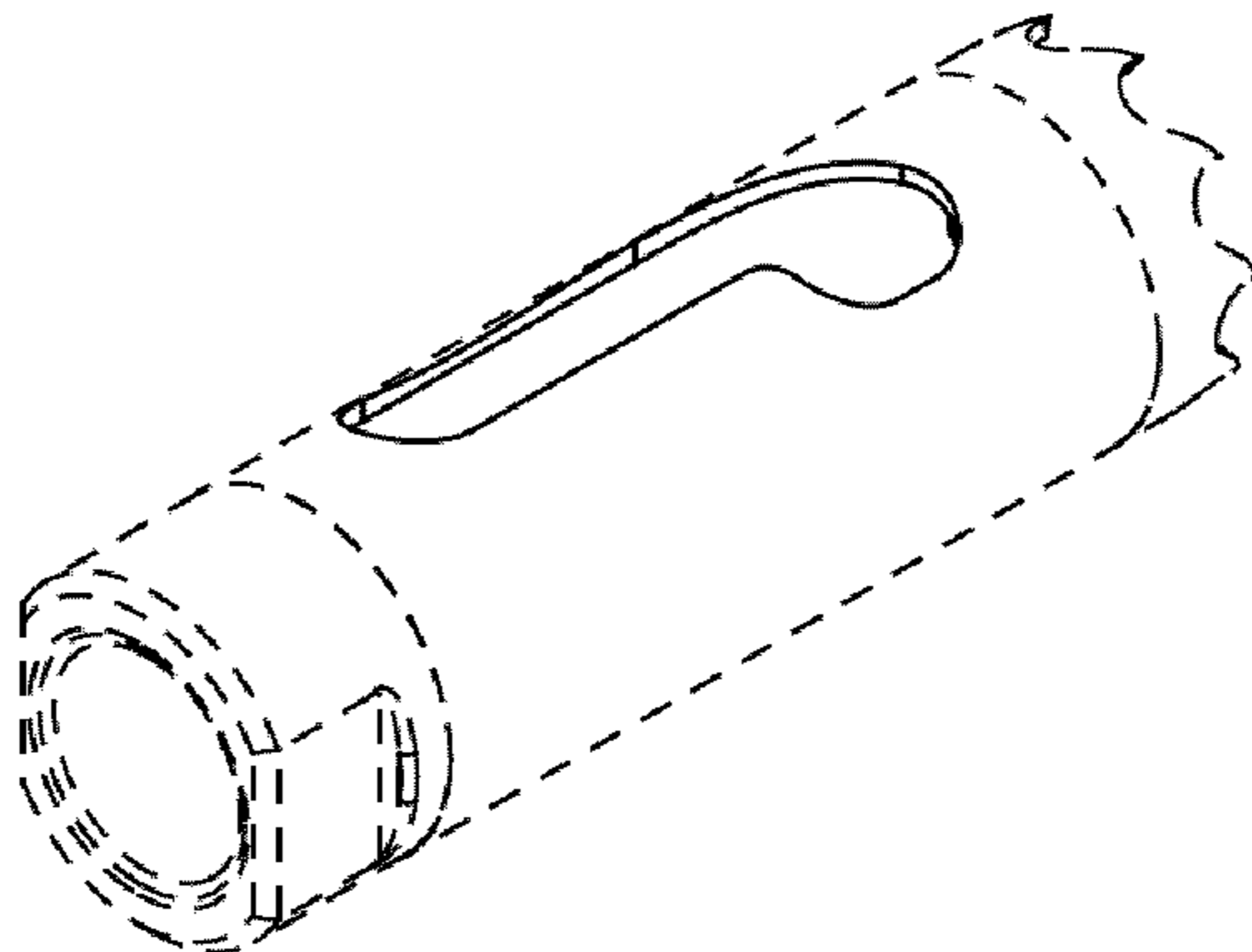
FIG. 5 is a rear elevational view thereof;

FIG. 6 top plan view thereof; and,

FIG. 7 is a bottom plan view thereof.

The broken lines in the figures show structure or boundaries that are not part of the claimed design.

**1 Claim, 1 Drawing Sheet**



(56)

References Cited

U.S. PATENT DOCUMENTS

3,220,449 A	11/1965	Franklin	D457,269 S	5/2002	Arey	
3,221,709 A	12/1965	Montemayer	D459,172 S	6/2002	Bissell	
D204,877 S	5/1966	West	6,438,849 B1	8/2002	Wonderley	
3,593,419 A	7/1971	Hula	D462,241 S	9/2002	Lothe	
3,804,238 A	4/1974	Howard	6,578,268 B2	6/2003	Hawketts	
3,929,050 A	12/1975	Salzwedel	D478,105 S	8/2003	Morton et al.	
4,089,112 A	5/1978	Richards	D478,106 S	8/2003	Morton et al.	
4,180,909 A	1/1980	Lind	D478,339 S	8/2003	Morton et al.	
D264,800 S	6/1982	Osada	D478,919 S	8/2003	Morton et al.	
D266,735 S	11/1982	Hahn	6,708,410 B2	3/2004	Okada	
4,408,935 A	10/1983	Miyanaga	6,718,640 B1	4/2004	John	
4,541,758 A	9/1985	Frank et al.	6,746,187 B2	6/2004	Alm	
D281,979 S	12/1985	Meier	6,857,831 B2	2/2005	Davis	
D282,369 S	1/1986	de Villiers	D508,389 S	8/2005	Polk	
4,595,321 A	6/1986	Van Dalen	6,948,754 B2	9/2005	Huffman et al.	
4,631,829 A	12/1986	Schmidt et al.	D516,594 S	3/2006	Morton	
4,651,425 A	3/1987	Livian	D517,894 S	3/2006	Kondo et al.	
4,652,185 A	3/1987	Malrick	D539,616 S	4/2007	Taylor et al.	
4,660,284 A	4/1987	Decarolis	7,258,513 B2	8/2007	Gertner	
4,757,612 A	7/1988	Peyrot	D551,269 S	9/2007	Burke, III	
4,760,643 A	8/1988	Juma	D559,044 S	1/2008	Ono	
D300,897 S	5/1989	Hagberg et al.	D562,651 S	2/2008	Harkey	
D303,118 S	8/1989	Cox	D565,382 S	4/2008	Watanabe	
4,891,884 A	1/1990	Torbet	D588,175 S	3/2009	Morton	
5,007,777 A	4/1991	Itokazu	7,553,114 B2	6/2009	Oknestam et al.	
5,061,126 A	10/1991	Cain et al.	7,661,913 B2	2/2010	Nordlin	
5,082,403 A	1/1992	Sutton et al.	D624,808 S	10/2010	Krawczak et al.	
D324,326 S	3/1992	Lu	D631,732 S	2/2011	Krawczak et al.	
5,205,685 A	4/1993	Herbert	D644,327 S	8/2011	Singh	
D342,270 S	12/1993	Kwang	8,052,356 B2	11/2011	Singh	
5,351,595 A	10/1994	Johnston	D692,470 S *	10/2013	Novak et al. ....	D15/139
5,360,300 A	11/1994	Sullivan	D701,544 S *	3/2014	Novak et al. ....	D15/139
D359,967 S	7/1995	Eichenberg et al.	2002/0037201 A1	3/2002	Despres	
5,451,128 A	9/1995	Hattersley	2002/0121023 A1	9/2002	Kocher et al.	
D368,633 S	4/1996	Nakayama	2002/0122703 A1	9/2002	Czyzewski et al.	
5,651,646 A	7/1997	Banke et al.	2003/0084575 A1	5/2003	Chen	
D382,885 S	8/1997	Deiner et al.	2003/0088985 A1	5/2003	Huang	
5,676,501 A	10/1997	Peetz et al.	2003/0094078 A1	5/2003	Clanton	
D388,318 S	12/1997	Achterberg et al.	2003/0200661 A1	10/2003	Okada	
D391,974 S	3/1998	Brutscher	2005/0022390 A1	2/2005	Whitemiller et al.	
D392,297 S	3/1998	Brutscher	2005/0050734 A1	3/2005	Kesinger	
5,803,678 A	9/1998	Korb et al.	2005/0172416 A1	8/2005	Feliciano	
5,806,189 A	9/1998	Bailey	2005/0193566 A1	9/2005	Brown et al.	
D401,822 S	12/1998	Pearlman	2005/0262702 A1	12/2005	Hawthorn	
D406,220 S	3/1999	Schmidt	2007/0227012 A1	10/2007	Constantine et al.	
5,904,454 A	5/1999	Washer	2007/0245574 A1	10/2007	Green	
5,906,050 A	5/1999	Gilbert	2007/0269280 A1	11/2007	Vasudeva et al.	
5,909,930 A	6/1999	Ragland, III et al.	2008/0131223 A1	6/2008	Jauch	
D412,654 S	8/1999	Gilbert et al.	2008/0187405 A1	8/2008	Nordlin	
D412,655 S	8/1999	Gilbert et al.	2009/0035082 A1	2/2009	Singh	
D412,822 S	8/1999	Gilbert et al.	2009/0106909 A1	4/2009	Tyers	
D422,185 S	4/2000	Gold	2010/0067995 A1	3/2010	Keightley	
D423,038 S	4/2000	Shimoyama et al.	2011/0170965 A1	7/2011	Novak et al.	
6,120,220 A	9/2000	Speare	2011/0170966 A1	7/2011	Novak et al.	
D438,219 S	2/2001	Brutscher	2011/0170967 A1	7/2011	Novak et al.	
D443,495 S	6/2001	Wang	2011/0170970 A1	7/2011	Kalomeris et al.	
D450,552 S	11/2001	Mason	2011/0170971 A1	7/2011	Novak et al.	
D455,057 S	4/2002	Medhurst	2011/0170972 A1	7/2011	Zielonka et al.	
6,363,614 B1	4/2002	Umstead et al.	2011/0243675 A1	10/2011	Fach	
			2012/0183366 A1	7/2012	Stenman	

\* cited by examiner

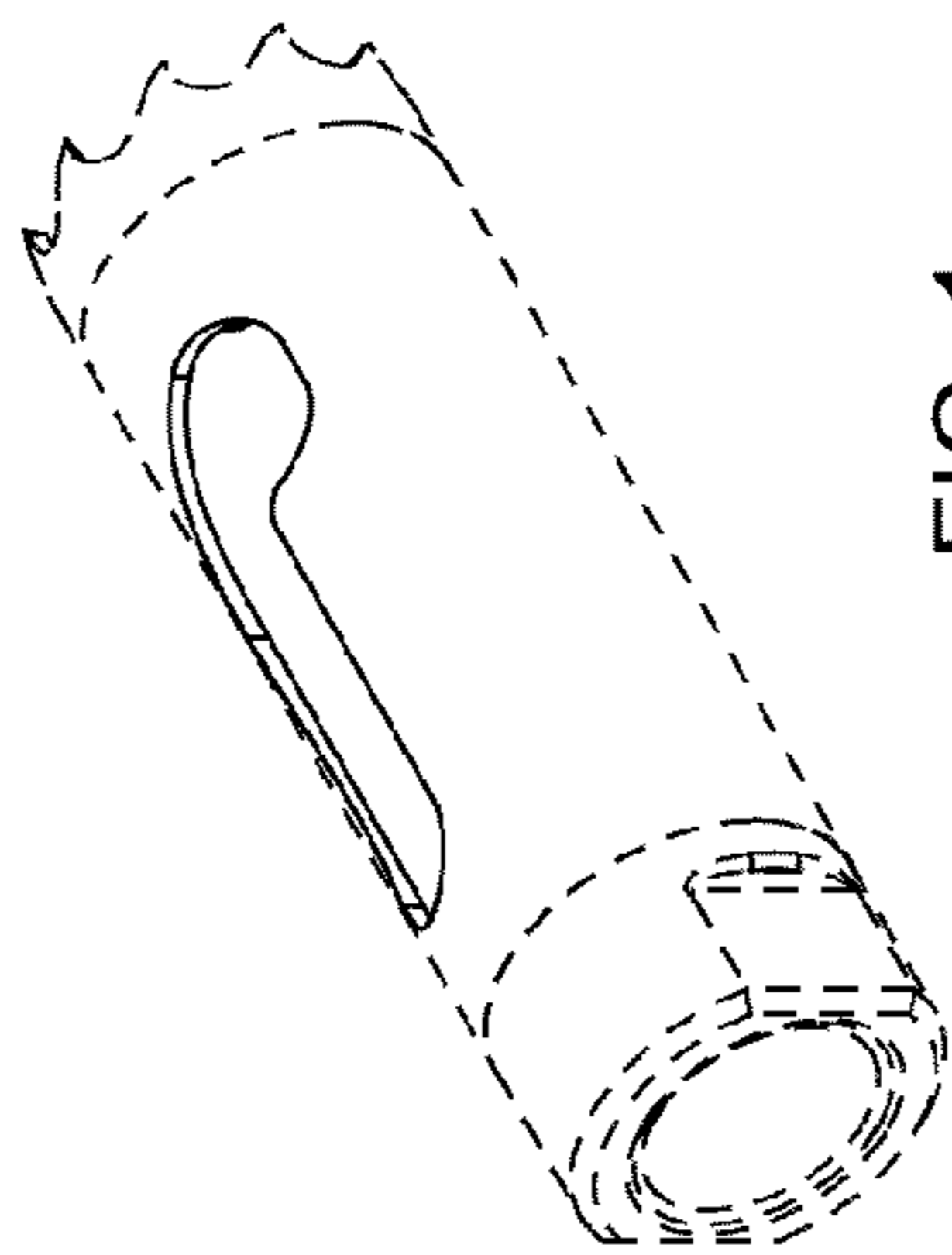


FIG. 1



FIG. 2

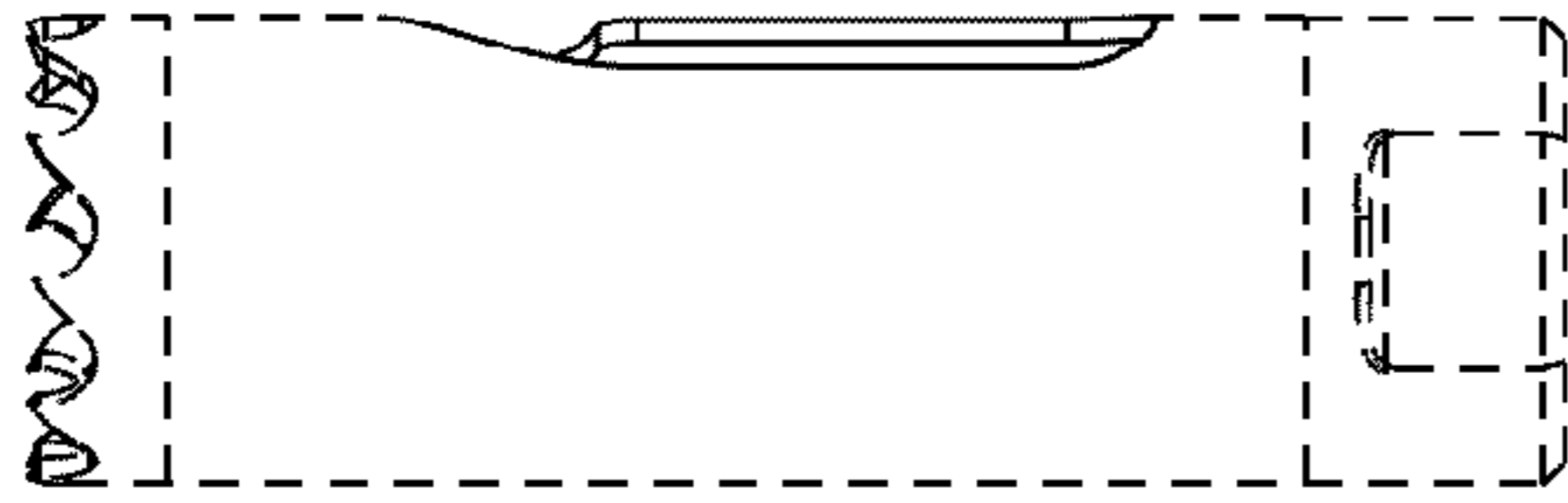


FIG. 3

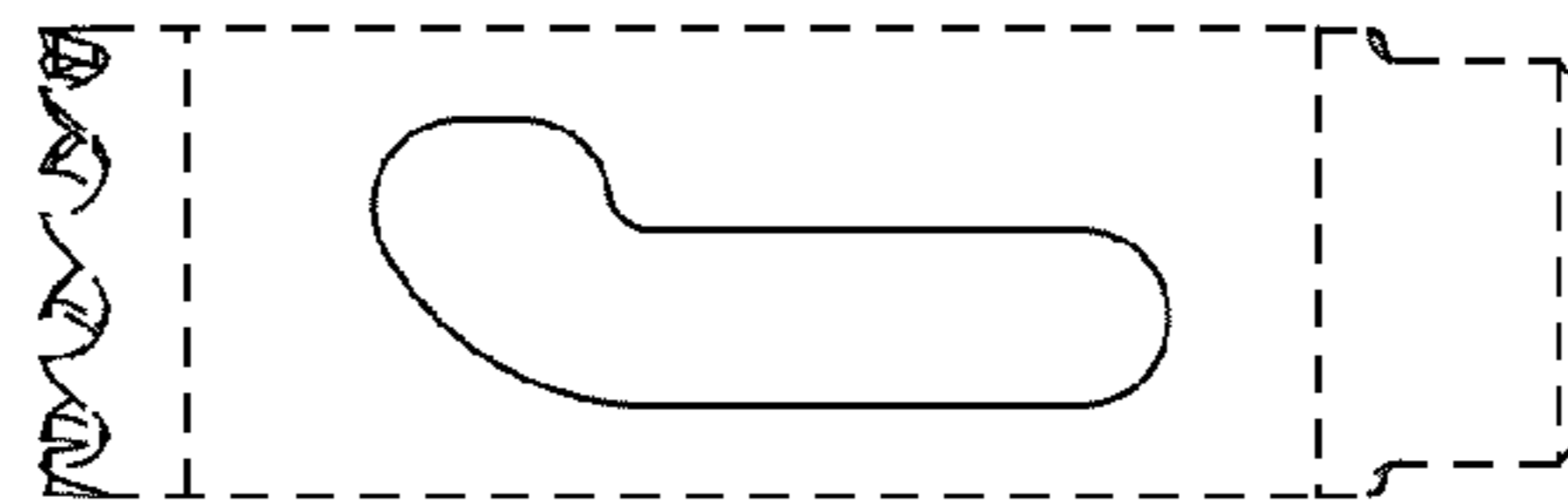


FIG. 4



FIG. 5

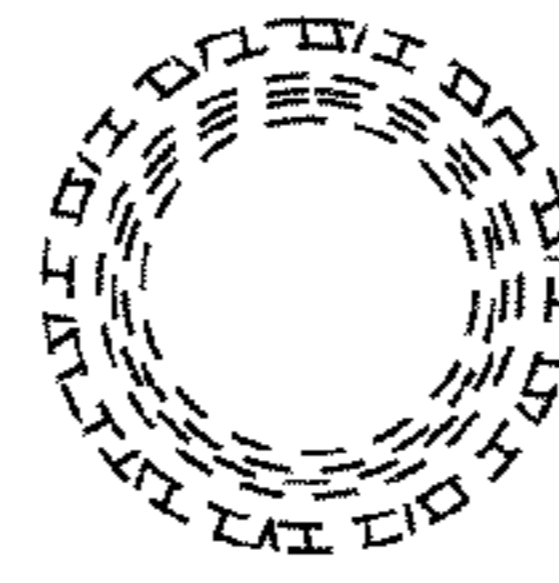


FIG. 6

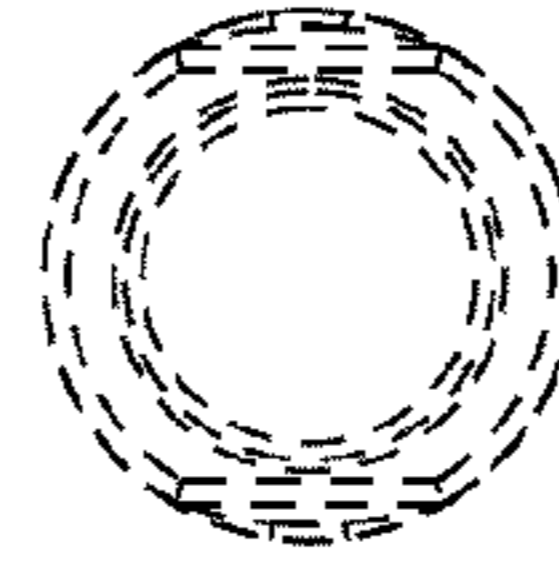


FIG. 7