



US00D861048S

(12) **United States Design Patent** (10) **Patent No.:** **US D861,048 S**
Young (45) **Date of Patent:** **** Sep. 24, 2019**

(54) **SWING HAMMER**

(71) Applicant: **Roger Young**, Rock Falls, IL (US)

(72) Inventor: **Roger Young**, Rock Falls, IL (US)

(**) Term: **15 Years**

(21) Appl. No.: **29/679,269**

(22) Filed: **Feb. 4, 2019**

Related U.S. Application Data

(63) Continuation-in-part of application No. 29/628,676, filed on Dec. 6, 2017, now Pat. No. Des. 839,934.

(51) **LOC (12) Cl.** **15-09**

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

USPC **D15/123**

(58) **Field of Classification Search**

USPC D15/123, 124, 125, 126, 131

CPC B02C 13/00; B02C 13/04; B02C 13/28

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

758,288 A	4/1904	Williams
858,772 A	7/1907	Williams
906,364 A	12/1908	Backus
1,016,979 A	2/1912	Williams
1,041,495 A	10/1912	Liggett et al.
1,085,692 A	2/1914	Liggett
1,266,894 A	5/1918	Williams
RE14,865 E	5/1920	Plaisted
RE14,920 E	7/1920	Morse et al.
1,433,042 A	10/1922	Sedberry
1,444,990 A	2/1923	Wauthier
1,630,021 A	5/1927	Lucas
1,678,723 A	7/1928	Clement
1,693,058 A	11/1928	Shelton
1,759,905 A	5/1930	Keith
1,760,097 A	5/1930	Williams
1,761,038 A	6/1930	Harley
1,787,526 A	1/1931	Honstain
1,821,912 A	9/1931	Pfeiffer

1,827,986 A	10/1931	Iglehart
1,829,325 A	10/1931	Alfred
1,854,844 A	4/1932	Kaemmerling
1,889,129 A	11/1932	Nielsen
1,911,718 A	5/1933	Saunders
1,927,986 A	9/1933	Levy
1,947,784 A	2/1934	Armstrong
1,954,175 A	4/1934	Jensen
1,997,553 A	4/1935	Taylor, Jr. et al.
2,015,581 A	9/1935	Armour

(Continued)

FOREIGN PATENT DOCUMENTS

CA	2613956 A1	2/2009
CA	2720159 A1	5/2011

(Continued)

OTHER PUBLICATIONS

Genesis III, Inc., Hammer Mill Hammers, "Hammer Mill Hammers", <http://h3hammers.com/hammer-mill-parts/hammer-mill-hammers/#forged>, pp. 1-14, accessed on Dec. 7, 2017.

(Continued)

Primary Examiner — Patricia A Palasik

(74) *Attorney, Agent, or Firm* — McKee, Voorhees & Sease, PLC

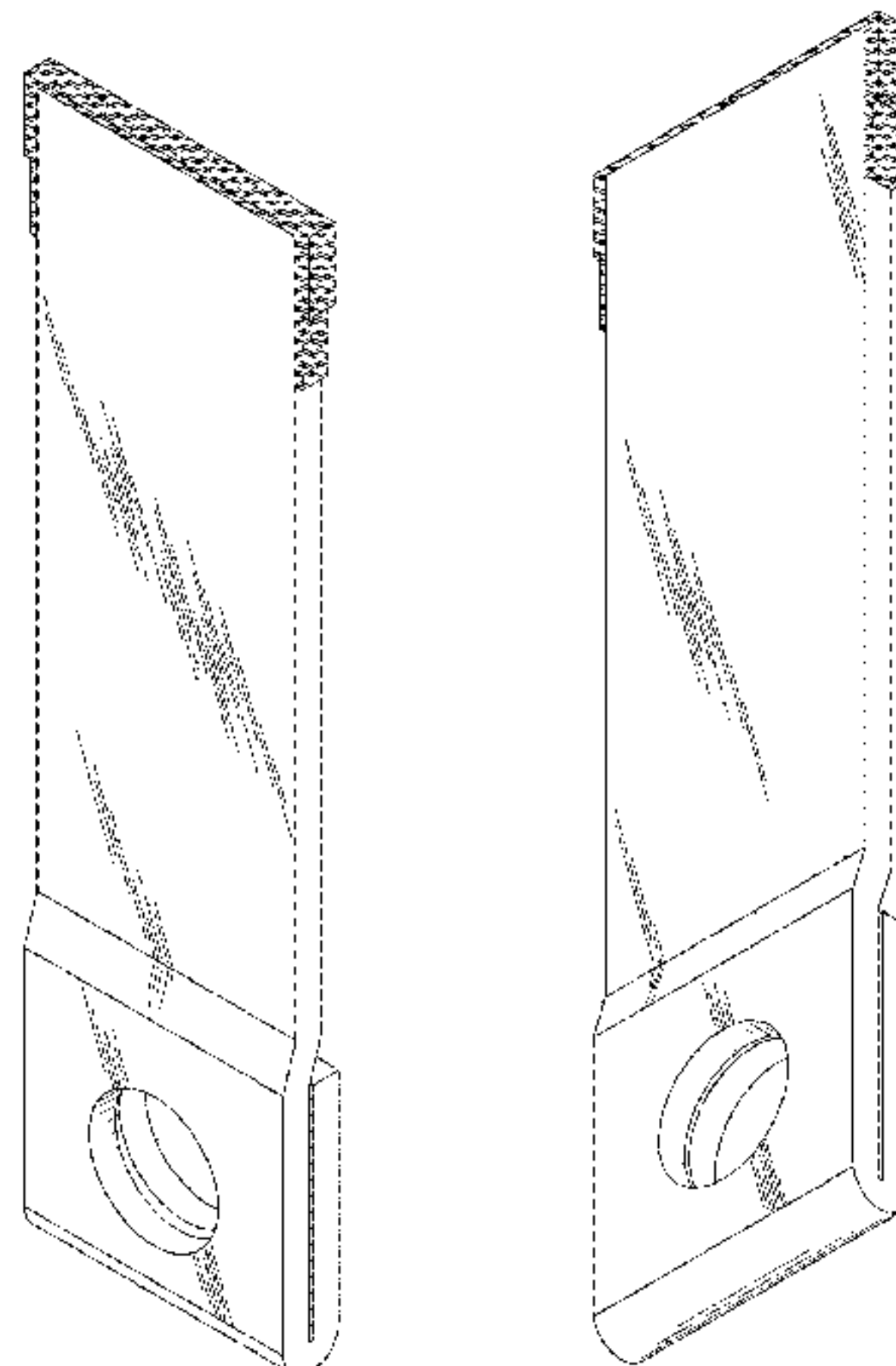
(57) **CLAIM**

The ornamental design for a swing hammer, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of a swing hammer;
FIG. 2 is a bottom perspective view thereof;
FIG. 3 is a left side elevation view thereof, the right side elevation view being a mirror image thereof;
FIG. 4 is a front elevation view thereof, the rear elevation view being a mirror image thereof;
FIG. 5 is a top elevation view thereof; and,
FIG. 6 is a bottom elevation view thereof.

1 Claim, 3 Drawing Sheets



US D861,048 S

Page 2

(56)

References Cited

U.S. PATENT DOCUMENTS

2,031,683 A 2/1936 Armstrong
2,207,455 A 7/1940 Clement
2,237,510 A 4/1941 Tankersley
2,244,577 A 6/1941 Schreiber
2,404,775 A 6/1946 Ehmann
2,404,778 A 7/1946 Allison
2,460,279 A 2/1949 Ehmann
2,531,597 A 11/1950 Anderson
2,566,758 A 9/1951 Anderson
2,566,798 A 9/1951 Hiller
2,602,597 A 7/1952 Ball
2,607,538 A 8/1952 Larson
2,620,989 A 12/1952 Keiper
2,763,439 A 9/1956 Mankoff
2,927,739 A 3/1960 Sennholtz
2,969,820 A 1/1961 Gruendler
3,022,018 A 2/1962 Knight
3,045,934 A 7/1962 Eilers
3,058,676 A 10/1962 Hermann
3,222,854 A 12/1965 Barth
3,278,126 A 10/1966 Ratkowski
3,322,356 A 5/1967 Toews
3,379,383 A 4/1968 Stepanek
3,471,093 A 10/1969 Wienert
3,482,789 A 12/1969 Newell
3,549,095 A 12/1970 Ratkowski
3,598,008 A 8/1971 Jacobson et al.
3,627,212 A 12/1971 Stanton
3,682,401 A 8/1972 Jacobson et al.
3,738,586 A 6/1973 Fabert, Jr.
3,966,126 A 6/1976 Werner
3,966,128 A 6/1976 Anderson et al.
3,979,078 A 9/1976 Boddeker et al.
3,995,816 A 12/1976 Motek
3,997,121 A 12/1976 Motek
4,000,859 A 1/1977 Whitney
4,106,706 A 8/1978 Burrows
4,129,262 A 12/1978 Lowry
4,134,554 A 1/1979 Morlock
4,141,512 A 2/1979 Francis
4,142,687 A 3/1979 Potwin
4,162,767 A 7/1979 Hahn
4,166,583 A 9/1979 Ruckstuhl
4,177,956 A 12/1979 Fawcett
4,202,504 A 5/1980 Cameron
4,310,125 A 1/1982 Novotny
4,313,575 A 2/1982 Stepanek
4,341,353 A 7/1982 Hamilton et al.
4,343,438 A 8/1982 Slikas et al.
4,352,774 A 10/1982 Hornberger
4,406,415 A 9/1983 Greer
4,519,551 A 5/1985 Ceurvorst
4,558,826 A 12/1985 Martinek
4,729,516 A 3/1988 Williams, Jr.
4,795,103 A 1/1989 Lech
4,856,170 A 8/1989 Kachik
4,907,750 A 3/1990 Seifert
4,915,310 A 4/1990 Stelk
5,002,233 A 3/1991 Williams
5,072,888 A 12/1991 Stelk
5,169,077 A 12/1992 Stelk
5,207,391 A 5/1993 Anderson
5,320,292 A 6/1994 Smith
5,364,038 A 11/1994 Prew
5,377,919 A 1/1995 Rogers et al.
5,381,975 A 1/1995 Chon et al.
5,443,216 A 8/1995 Lajoie
5,465,912 A 11/1995 Graybill et al.
5,570,849 A 11/1996 Anderson
5,605,291 A 2/1997 Doskocil
5,611,496 A 3/1997 Fleenor
5,628,467 A 5/1997 Graveman
5,692,688 A 12/1997 Waitman et al.
5,722,607 A 3/1998 Hellmich
5,842,653 A 12/1998 Elliott et al.

5,904,306 A 5/1999 Elliott et al.
5,984,216 A 11/1999 Andela et al.
6,042,035 A 3/2000 Grobler et al.
6,045,072 A 4/2000 Zehr
6,066,407 A 5/2000 Getz
6,131,838 A 10/2000 Balvanz et al.
6,142,400 A 11/2000 Balvanz et al.
6,260,778 B1 7/2001 Wenger
6,299,082 B1 10/2001 Smith
6,364,227 B1 4/2002 Dorscht
6,394,375 B1 5/2002 Balvanz et al.
6,394,378 B1 5/2002 Ragnarsson
6,419,173 B2 7/2002 Balvanz et al.
6,464,157 B1 10/2002 Balvanz et al.
6,481,654 B1 11/2002 Balvanz et al.
6,494,394 B1 12/2002 Balvanz et al.
6,517,020 B1 2/2003 Smith
6,520,440 B2 2/2003 Ragnarsson
6,622,951 B1 9/2003 Recker et al.
6,971,598 B2 12/2005 Schillinger et al.
7,140,569 B2 11/2006 Young
D536,350 S 2/2007 Young
D536,351 S 2/2007 Young
D536,352 S 2/2007 Young
D544,503 S 6/2007 Young
D544,504 S 6/2007 Young
D545,327 S 6/2007 Young
D545,328 S 6/2007 Young
D545,846 S 7/2007 Young
D545,847 S 7/2007 Young
D550,728 S 9/2007 Young
D551,266 S 9/2007 Young
D551,267 S 9/2007 Young
D552,638 S 10/2007 Willibald
D552,639 S 10/2007 Young
D555,679 S 11/2007 Young
7,325,761 B2 2/2008 Chen et al.
D573,163 S 7/2008 Young
7,419,109 B1 9/2008 Ronfeldt et al.
D588,174 S 3/2009 Young
7,559,497 B2 7/2009 Young
7,621,477 B2 11/2009 Young
D616,002 S 5/2010 Willibald
7,819,352 B2 10/2010 Young
D637,633 S 5/2011 Young et al.
8,033,490 B1 10/2011 Young et al.
8,613,403 B1 12/2013 Young
8,708,263 B2 4/2014 Young et al.
8,800,903 B1 8/2014 Young
8,960,581 B1 2/2015 Young
8,998,120 B1 4/2015 Young
9,358,546 B1 6/2016 Young
9,566,584 B2 2/2017 Young et al.
D839,934 S * 2/2019 Young D15/123
D840,447 S * 2/2019 Young D15/123
2002/0190148 A1 12/2002 Roozeboom et al.
2004/0017955 A1 1/2004 Schillinger et al.
2005/0000329 A1 1/2005 Pregeant
2006/0032958 A1 2/2006 Young
2007/0023554 A1 2/2007 Young
2008/0011890 A1 1/2008 Young
2009/0321546 A1 12/2009 Plumb et al.
2010/0025511 A1 2/2010 Young
2010/0090047 A1 4/2010 Wilibald
2010/0213301 A1 8/2010 Hoice et al.
2011/0042498 A1 2/2011 Young et al.
2015/0115085 A1 4/2015 Miller
2016/0243554 A1 8/2016 Young
2017/0095821 A1 4/2017 Lyman

FOREIGN PATENT DOCUMENTS

DE 10215833 A1 11/2003
EP 1444990 A1 8/2004

OTHER PUBLICATIONS

“Jacobs Pentagon Xtreme Hammer System”, <https://www.jacobscorp.com/t-pentagon.aspx>, access by Applicant in 2018.

(56)

References Cited

OTHER PUBLICATIONS

“MIG Welding: The Basics for Mild Steel”, <https://www.millerwelds.com/resources/article-library/mig-welding-the-basic-for-mild-steel>, MillerWelds, 9 pages, accessed on Nov. 12, 2017.

“Tungsten Carbide Hardfacing”, http://tungstencarbidehardfacing.com/tungstencarbidehardfacing/index_tchf.php, Postalloy, 4 pages, accessed on Nov. 12, 2017.

Rightway Manufacturing, “Hammers”, <http://www.rwmfginc.com/products.aspx?gs=1>, pp. 1-3. Oct. 19, 2017.

Watson, Stanley A. & Paul E. Ramstad, eds. (Corn: Chemistry and Technology, Chapter 11, American Association of Cereal Chemist, Inc. St. Paul, Minn.) 1987.

* cited by examiner

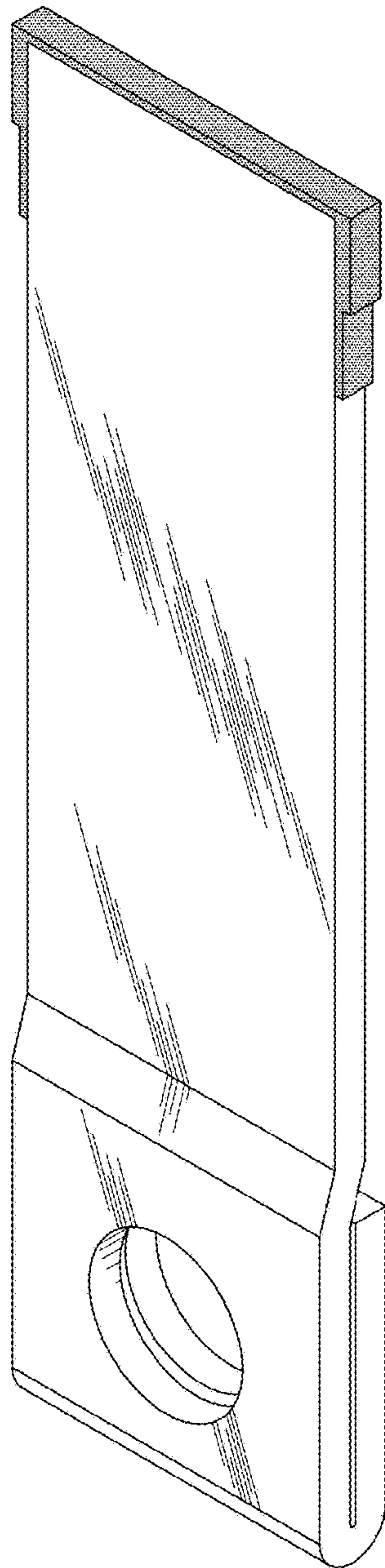


Fig. 1

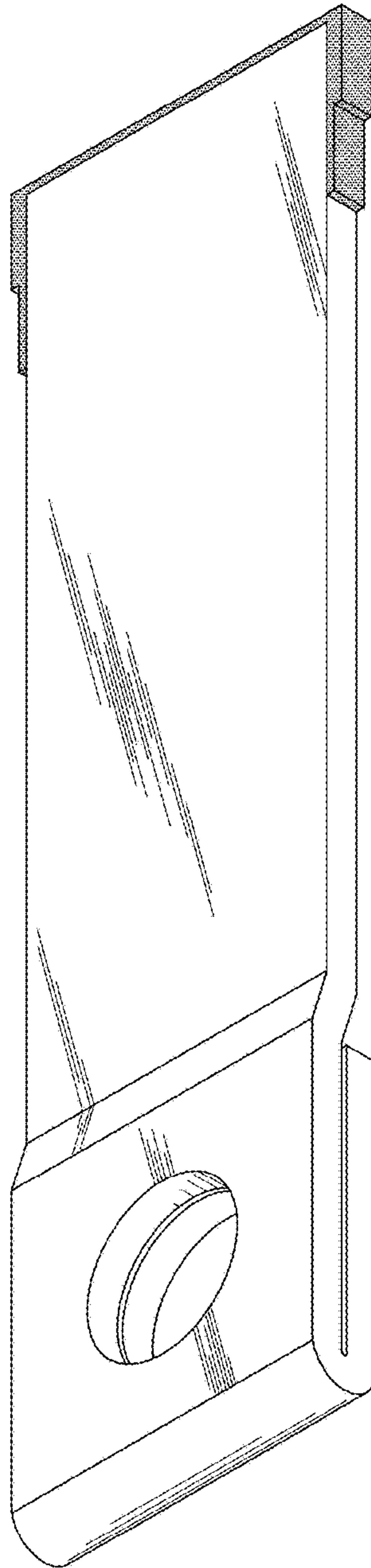


Fig. 2

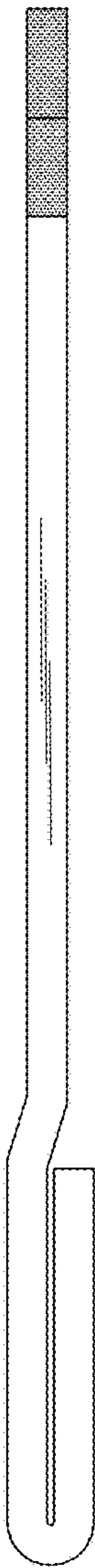


Fig. 3

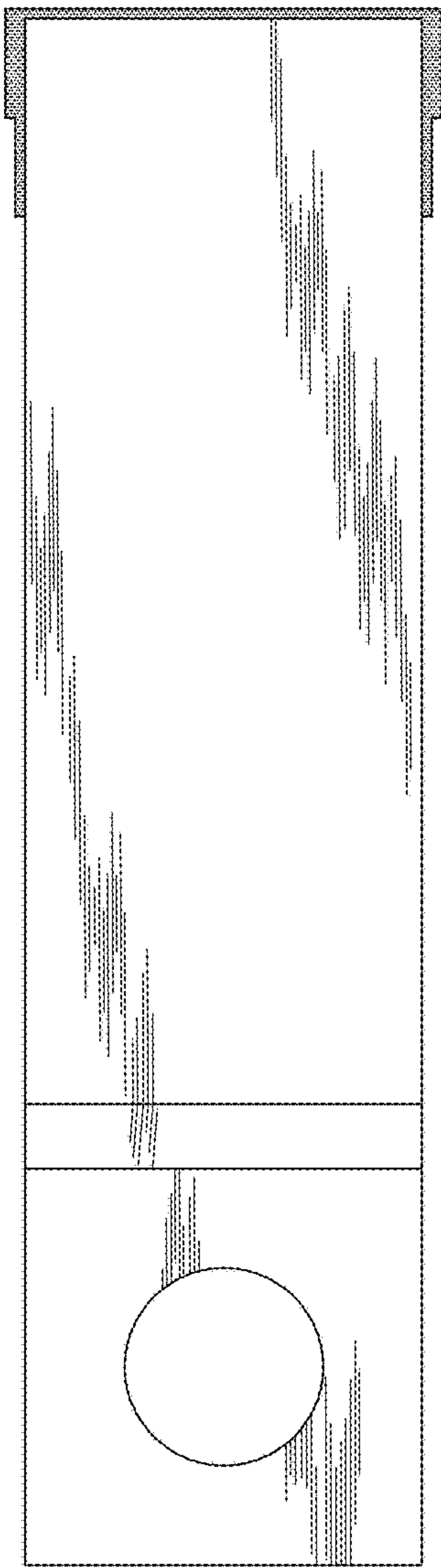


Fig. 4

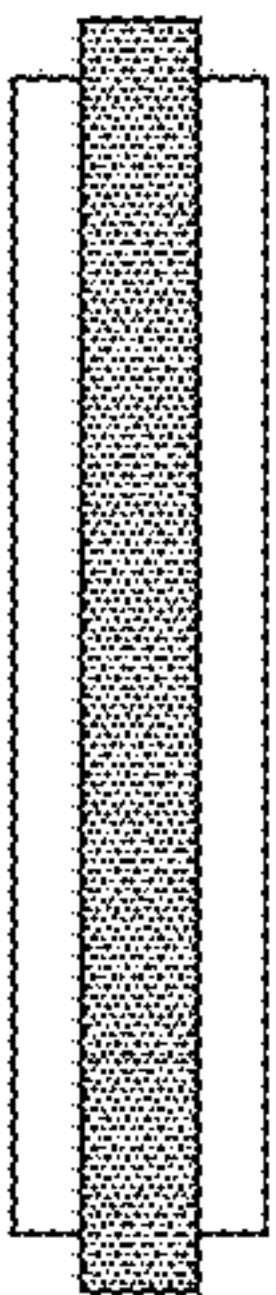


Fig. 5

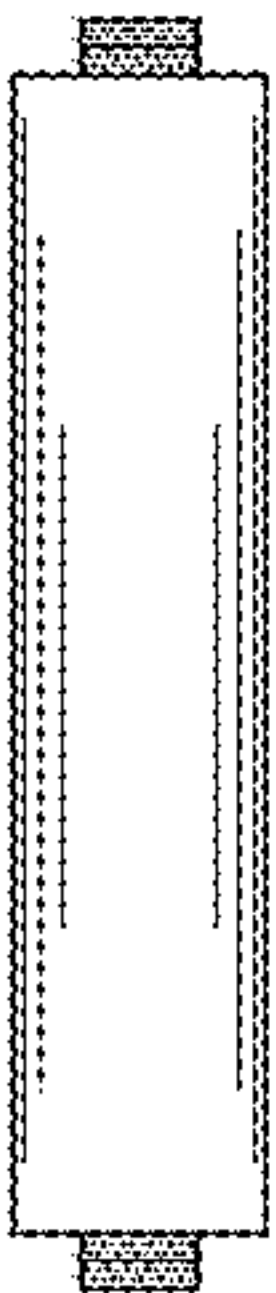


Fig. 6