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(12) **United States Design Patent** (10) **Patent No.:** **US D984,867 S**  
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(54) **RAKE**  
(71) Applicant: **Pratt Corrugated Holdings, Inc.**,  
Brookhaven, GA (US)  
(72) Inventors: **Shifeng Chen**, Newport News, VA  
(US); **Greg Sollie**, Sharpsburg, GA  
(US); **Jamie Waltermire**, Peachtree  
City, GA (US)

672,657 A 4/1901 Vautrot  
1,088,633 A 2/1914 Simmons  
1,234,057 A 7/1917 McIntyre  
1,571,608 A 2/1926 Stillman  
1,601,566 A 9/1926 Elliott  
1,846,542 A 2/1932 Budd  
1,858,793 A 5/1932 Archibald  
(Continued)

(73) Assignee: **Pratt Corrugated Holdings, Inc.**,  
Brookhaven, GA (US)

DE 202013007170 11/2013  
FR 2687641 8/1993  
JP 2004024200 1/2004

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See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

474,382 A 5/1892 Haines  
645,544 A 3/1900 Bissell

**FOREIGN PATENT DOCUMENTS**

**OTHER PUBLICATIONS**

Google search Jan. 9, 2023, ebay.com, Jardineer garden leaf scoops  
yard, leaf grabber claws, <https://www.ebay.com/itm/364100256621>  
(Year: 2022).\*

(Continued)

*Primary Examiner* — Cynthia Ramirez  
(74) *Attorney, Agent, or Firm* — Taylor English Duma  
LLP

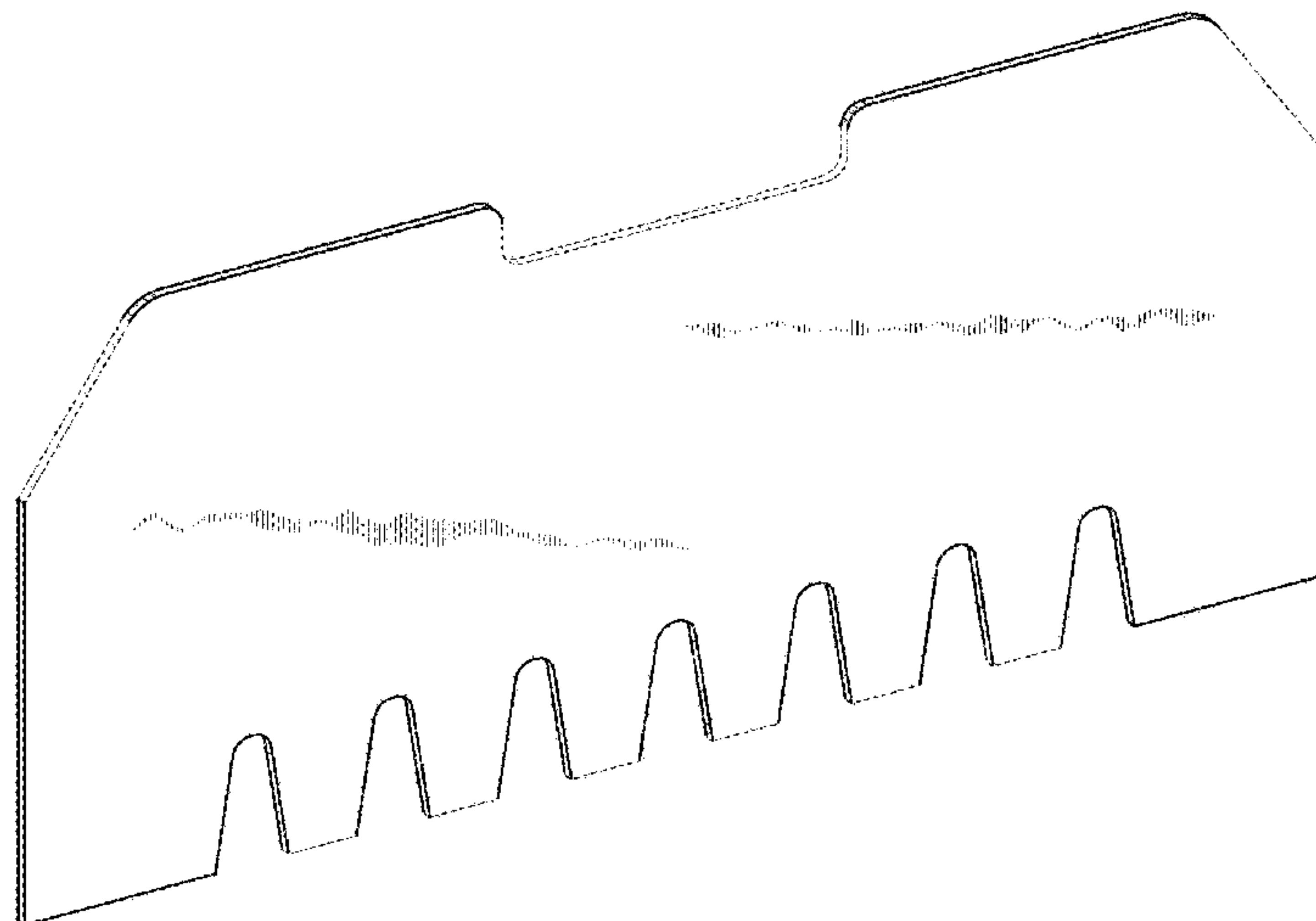
(57) **CLAIM**

We claim the ornamental design for a rake, as shown and  
described.

**DESCRIPTION**

FIG. 1 is a perspective view of a rake.  
FIG. 2 is a left-side elevation view thereof.  
FIG. 3 is a right-side elevation view thereof.  
FIG. 4 is a front elevation view thereof.  
FIG. 5 is a rear elevation view thereof.  
FIG. 6 is a top plan view thereof; and,  
FIG. 7 is a bottom plan view thereof.  
The broken lines in the drawings depict portions of the rake  
that form no part of the claimed design.

**1 Claim, 5 Drawing Sheets**



(56)

## References Cited

## U.S. PATENT DOCUMENTS

1,879,410 A	9/1932	Morris et al.	5,871,037 A	2/1999	Feldt
1,879,950 A	9/1932	Read, Jr.	5,897,084 A	4/1999	Judge
1,898,838 A	2/1933	Katz	5,915,768 A	6/1999	Young
1,916,519 A	7/1933	Madsen	5,918,651 A	7/1999	Gazdy et al.
1,986,898 A	1/1935	Smithwick	5,979,842 A	11/1999	Fan
2,307,659 A	1/1943	Avery	6,007,030 A	12/1999	Judge
2,430,155 A	11/1947	Buttery	6,035,908 A	3/2000	Hoffman
2,550,959 A	5/1951	Bowman	6,045,263 A	4/2000	Keller et al.
2,939,614 A	6/1960	Hill	6,073,943 A	6/2000	Serrault
3,021,767 A	2/1962	Hamilton	6,085,647 A	7/2000	Burow
3,257,068 A	6/1966	Wright	6,116,548 A	9/2000	Oleson
3,324,906 A	6/1967	Chu	6,116,549 A	9/2000	Santa Cruz et al.
3,335,769 A	8/1967	Ilg	6,131,759 A	10/2000	Young
3,578,236 A	5/1971	Masayuki	6,135,518 A	10/2000	Holthaus
3,734,340 A	5/1973	Ippolito et al.	6,179,306 B1	1/2001	Maxwell
3,746,240 A	7/1973	Flynn	6,189,841 B1	2/2001	LaPoint et al.
3,891,136 A	6/1975	Woeste	6,202,718 B1	3/2001	Innocenti
3,938,731 A	2/1976	Ross et al.	6,273,156 B1	8/2001	Carillo
3,977,594 A	8/1976	Swan	6,296,212 B1	10/2001	Monahan
3,983,914 A	10/1976	Benson	6,340,037 B1	1/2002	Stafford
3,986,744 A	10/1976	Krogstad et al.	6,367,747 B1	4/2002	Mulle
4,037,778 A	7/1977	Boyle	6,415,713 B1	7/2002	Abrams
4,115,909 A	9/1978	Corella	6,431,435 B1	8/2002	Jones et al.
4,139,029 A	2/1979	Geraci	6,450,461 B1	9/2002	Lohmann
4,196,928 A	4/1980	Spangler	6,481,617 B2	11/2002	Yang
4,258,842 A	3/1981	Falkstein	6,536,488 B1	3/2003	Pochobradsky
4,268,081 A	5/1981	Hawkinson	6,554,810 B1	4/2003	Wilk et al.
4,272,116 A	6/1981	Tufte, Jr.	6,659,407 B2	12/2003	Asaro
4,273,167 A	6/1981	Stillwell	D485,166 S	1/2004	Clark
4,338,979 A	7/1982	Dow	6,708,742 B2	3/2004	Weathers et al.
4,361,267 A	11/1982	Wozniacki	D494,853 S	8/2004	Chan
4,366,916 A	1/1983	Guido et al.	D498,667 S	11/2004	Clark
4,386,729 A	6/1983	Schmidt	D500,457 S	1/2005	Peeples et al.
4,457,483 A	7/1984	Gagne	D502,582 S	3/2005	Boles
4,530,533 A	7/1985	Dieter	6,860,094 B1	3/2005	Abrams
4,628,007 A	12/1986	Ledsham	6,866,070 B2	3/2005	King
4,643,380 A	2/1987	Copeland	6,896,015 B2	5/2005	Beveridge
4,659,045 A	4/1987	Flynn	D513,352 S	12/2005	Weathers et al.
4,669,689 A	6/1987	Jones	6,983,965 B1	1/2006	Bergell
4,697,771 A	10/1987	Majors	7,066,220 B1	6/2006	Take et al.
4,749,011 A	6/1988	Rylander	7,066,379 B2	6/2006	McLeod et al.
4,760,982 A	8/1988	Cooke	7,152,894 B2	12/2006	Weathers et al.
4,836,970 A	6/1989	Robbins, III	7,159,761 B2	1/2007	Abshire et al.
4,884,603 A	12/1989	Simpson	7,246,641 B2	7/2007	Blessman
4,890,652 A	1/1990	Hoerner	7,302,978 B1	12/2007	Kolarik
4,895,456 A	1/1990	Morita	D567,464 S	4/2008	Dullum
4,909,553 A	3/1990	Hantover	7,367,600 B1	5/2008	Lew et al.
4,940,200 A	7/1990	Sawyer	7,398,913 B2	7/2008	McClure
4,955,496 A	9/1990	Nelson	7,407,139 B1	8/2008	Dolan
4,979,547 A	12/1990	Hoerner	D576,500 S	9/2008	Kim et al.
5,018,637 A	5/1991	Miller	D578,409 S	10/2008	Clark
5,033,780 A	7/1991	Wootten	7,434,721 B2	10/2008	Feltz
5,048,778 A	9/1991	Wright	7,494,096 B2	2/2009	Paloian et al.
5,054,724 A	10/1991	Hutcheson	D593,721 S	6/2009	Koll
5,056,679 A	10/1991	Lonczak	7,604,156 B2	10/2009	Clohessy
5,065,965 A	11/1991	Aulabaugh	7,625,026 B2	12/2009	Lau
5,080,308 A	1/1992	Franks	7,651,024 B2	1/2010	Barner
5,090,756 A	2/1992	Pfisterer	7,694,838 B2	4/2010	Yang
5,129,609 A	7/1992	Tobin	7,712,623 B2	5/2010	Wentz et al.
5,186,384 A	2/1993	Nelson	7,736,057 B2	6/2010	Vanbost
5,271,589 A	12/1993	Belous	7,810,766 B2	10/2010	Blessman
5,285,988 A	2/1994	Bogren	7,815,153 B2	10/2010	Campbell et al.
5,292,093 A	3/1994	Shumake	D633,268 S	2/2011	Bottita
5,316,060 A	5/1994	Hogdon et al.	D639,519 S	6/2011	Gomez
5,372,269 A	12/1994	Sutton et al.	8,020,686 B2	9/2011	Babineau et al.
5,400,989 A	3/1995	Gaskill	D648,912 S	11/2011	Cantu
D361,185 S	8/1995	Seiler et al.	D699,014 S	2/2014	Lohrke et al.
5,593,117 A	1/1997	Alexander	8,757,563 B2	6/2014	Muse
5,610,230 A	3/1997	Yoshida et al.	8,840,072 B2	9/2014	Muse
5,716,033 A	2/1998	Gibson	8,978,964 B1	3/2015	Ruggiere, Sr.
D391,722 S	3/1998	Sheppard	9,056,715 B2	6/2015	Muse
5,765,614 A	6/1998	Kardosh	9,102,432 B2	8/2015	Muse
5,816,431 A	10/1998	Giannopoulos	D738,743 S	9/2015	Galmarini
5,865,486 A	2/1999	Bussani	9,352,870 B2	5/2016	Muse
5,868,364 A	2/1999	MacMillan	9,517,884 B2	12/2016	Muse
			9,550,623 B2	1/2017	Muse
			D785,463 S	5/2017	Akana et al.
			9,701,470 B2	7/2017	Muse
			9,896,266 B2	2/2018	Muse



(56)

**References Cited**

## U.S. PATENT DOCUMENTS

D860,000	S	9/2019	Baldelomar Bernardin
D899,723	S	10/2020	Boyea
D900,629	S	11/2020	Milos
D909,211	S	2/2021	Bornmiller et al.
D919,432	S	5/2021	Muse et al.
D929,238	S	8/2021	Chen et al.
D935,124	S	11/2021	Chen et al.
D941,677	S	1/2022	Chen et al.
D956,494	S	7/2022	Chen et al.
D957,081	S	7/2022	Chen et al.
2002/0074247	A1	6/2002	Tremblay
2002/0130224	A1	9/2002	Asaro
2003/0173471	A1	9/2003	Weathers et al.
2003/0218104	A1	11/2003	Klotz
2006/0011785	A1	1/2006	McLean
2006/0032991	A1	2/2006	Gaines
2006/0144467	A1	7/2006	Butzer
2006/0273143	A1	12/2006	Finch
2008/0023595	A1	1/2008	Armaly, Jr.
2008/0128479	A1	6/2008	Bates et al.
2010/0108826	A1	5/2010	Fernandez et al.
2010/0111447	A1	5/2010	Vergo
2010/0142860	A1	6/2010	Mincozzi
2010/0237202	A1	9/2010	Mincozzi
2010/0243650	A1	9/2010	Manley
2010/0276247	A1	11/2010	Babineau et al.
2011/0011921	A1	1/2011	Sorensen
2011/0309208	A1	12/2011	Muse
2011/0309209	A1	12/2011	Muse
2011/0309210	A1	12/2011	Muse
2012/0110959	A1	5/2012	Serago, Jr.
2013/0019995	A1	1/2013	Muse
2013/0020449	A1	1/2013	Muse
2013/0092726	A1	4/2013	McMahon
2013/0140308	A1	6/2013	Stowers
2013/0156350	A1	6/2013	Turner
2014/0331616	A1	11/2014	Muse
2014/0339379	A1	11/2014	Muse
2015/0232222	A1	8/2015	Muse
2015/0291354	A1	10/2015	Muse
2016/0001975	A1	1/2016	Muse
2016/0236864	A1	8/2016	Muse
2017/0088350	A1	3/2017	Muse
2017/0275095	A1	9/2017	Muse
2021/0070541	A1	3/2021	Chen et al.
2021/0070542	A1	3/2021	Chen et al.

## OTHER PUBLICATIONS

Muse, John Richard; Applicant Initiated Interview Summary for U.S. Appl. No. 13/164,464, filed Jun. 20, 2011, dated Mar. 11, 2014, 5 pgs.

Muse, John Richard; Final Office Action for U.S. Appl. No. 13/164,464, filed Jun. 20, 2011, dated Jan. 10, 2014, 8 pgs.

Muse, John Richard; Final Office Action for U.S. Appl. No. 13/164,464, filed Jun. 20, 2011, dated Sep. 23, 2013, 8 pgs.

Muse, John Richard; Final Office Action for U.S. Appl. No. 13/164,464, filed Jun. 20, 2011; dated Feb. 22, 2013, 6 pgs.

Muse, John Richard; Issue Notification for U.S. Appl. No. 13/164,464, filed Jun. 20, 2011, dated Sep. 3, 2014, 1 pg.

Muse, John Richard; Non-Final Office Action for U.S. Appl. No. 13/164,464, filed Jun. 20, 2011, dated May 29, 2013, 12 pgs.

Muse, John Richard; Non-Final Office Action for U.S. Appl. No. 13/164,464, filed Jun. 20, 2011; dated Nov. 16, 2012, 17 pgs.

Muse, John Richard; Notice of Allowance for U.S. Appl. No. 13/164,464, filed Jun. 20, 2011, dated Apr. 29, 2014, 11 pgs.

Muse, John Richard; Restriction Requirement for U.S. Appl. No. 13/164,464, filed Jun. 20, 2011, dated Oct. 19, 2012; 6 pgs.

Muse, John Richard; Non-Final Office Action for U.S. Appl. No. 14/447,043, filed Jul. 30, 2014, dated Mar. 31, 2015, 32 pgs.

Muse, John Richard; Notice of Allowance for U.S. Appl. No. 14/447,043, filed Jul. 30, 2014, dated Jul. 23, 2015, 12 pgs.

Muse, John Richard; Corrected Notice of Allowability for U.S. Appl. No. 14/447,058, filed Jul. 30, 2014, dated Jul. 8, 2015, 4 pgs.

Muse, John Richard; Issue Notification for U.S. Appl. No. 14/447,058, filed Jul. 30, 2014, dated Jul. 22, 2015, 1 pg.

Muse, John Richard; Notice of Allowance for U.S. Appl. No. 14/447,058, filed Jul. 30, 2014, dated Mar. 30, 2015, 34 pgs.

Muse, John Richard; Non-Final Office Action for U.S. Appl. No. 14/748,772, filed Jun. 24, 2015, dated Oct. 2, 2015, 30 pgs.

Muse, John Richard; Applicant Initiated Interview Summary for U.S. Appl. No. 13/164,473, filed Jun. 20, 2011, dated Dec. 2, 2013, 3 pgs.

Muse, John Richard; Final Office Action for U.S. Appl. No. 13/164,473, filed Jun. 20, 2011, dated Dec. 13, 2013, 28 pgs.

Muse, John Richard; Issue Notification for U.S. Appl. No. 13/164,473, filed Jun. 20, 2011, dated Jun. 4, 2014, 1 pg.

Muse, John Richard; Notice of Allowance for U.S. Appl. No. 13/164,473, filed Jun. 20, 2011, dated Mar. 13, 2014, 12 pgs.

Muse, John Richard; Supplemental Notice of Allowability for U.S. Appl. No. 13/164,473, filed Jun. 20, 2011, dated May 27, 2014, 6 pgs.

Muse, John; Final Office Action for U.S. Appl. No. 13/164,473, filed Jun. 20, 2011, dated Mar. 13, 2013, 16 pgs.

Muse; Non-Final Office Action for U.S. Appl. No. 13/164,473, filed Jun. 20, 2011, dated Dec. 3, 2012; 19 pgs.

Muse; Non-Final Office Action for U.S. Appl. No. 13/164,473, filed Jun. 20, 2011, dated Jun. 25, 2013, 14 pgs.

Muse, John Richard; Final Office Action for U.S. Appl. No. 13/164,481, filed Jun. 20, 2011, dated Apr. 5, 2013, 17 pgs.

Muse, John Richard; Non-Final Office Action for U.S. Appl. No. 13/164,481, filed Jun. 20, 2011, dated Dec. 5, 2012; 18 pgs.

Muse, John Richard; Notice of Allowance for U.S. Appl. No. 13/164,481, filed Jun. 20, 2011, dated Oct. 23, 2013, 11 pgs.

Muse; Non-Final Office Action for U.S. Appl. No. 13/164,481, filed Jun. 20, 2011, dated Jul. 11, 2013, 11 pgs.

Muse, John Richard; Advisory Action for U.S. Appl. No. 13/551,575, filed Jul. 17, 2012, dated Dec. 4, 2014, 3 pgs.

Muse, John Richard; Applicant-Initiated Interview Summary for U.S. Appl. No. 13/551,575, filed Jul. 17, 2012, dated Dec. 19, 2014, 3 pgs.

Muse, John Richard; Final Office Action for U.S. Appl. No. 13/551,575, filed Jul. 17, 2012, dated Sep. 30, 2014, 22 pgs.

Muse, John Richard; Issue Notification for U.S. Appl. No. 13/551,575, filed Jul. 17, 2012, dated May 27, 2015, 1 pg.

Muse, John Richard; Non-Final Office Action for U.S. Appl. No. 13/551,575, filed Jul. 17, 2012, dated Dec. 6, 2013, 45 pgs.

Muse, John Richard; Non-Final Office Action for U.S. Appl. No. 13/551,575, filed Jul. 17, 2012, dated May 16, 2014, 12 pgs.

Muse, John Richard; Notice of Allowance for U.S. Appl. No. 13/551,575, filed Jul. 17, 2012, dated Feb. 2, 2015, 12 pgs.

Muse, John Richard; Advisory Action for U.S. Appl. No. 14/701,022, filed Apr. 30, 2015, dated Jan. 21, 2016, 4 pgs.

Muse, John Richard; Applicant Interview Summary for U.S. Appl. No. 14/701,022, filed Apr. 30, 2015, dated Dec. 22, 2015, 3 pgs.

Muse, John Richard; Final Office Action for U.S. Appl. No. 14/701,022, filed Apr. 30, 2015, dated Oct. 22, 2015, 27 pgs.

Muse, John Richard; Issue Notification for U.S. Appl. No. 14/701,022, filed Apr. 30, 2015, dated May 11, 2016, 1 pg.

Muse, John Richard; Non-Final Office Action for U.S. Appl. No. 14/701,022, filed Apr. 30, 2015, dated Jun. 3, 2015, 12 pgs.

Muse, John Richard; Notice of Allowance for U.S. Appl. No. 14/701,022, filed Apr. 30, 2015, dated Feb. 8, 2016, 12 pgs.

Muse, John Richard; Issue Notification for U.S. Appl. No. 15/139,375, filed Apr. 27, 2016, dated Jan. 4, 2017; 1 pg.

Muse, John Richard; Notice of Allowance for U.S. Appl. No. 15/139,375, filed Apr. 27, 2016; dated Sep. 28, 2016; 35 pgs.

Muse, John, R.; Applicant Initiated Interview Summary for U.S. Appl. No. 15/139,375, filed Apr. 27, 2016, dated Jun. 6, 2016, 3 pgs.

Muse, John Richard; Issue Notification for U.S. Appl. No. 15/373,103, filed Dec. 8, 2016, dated Jun. 21, 2017; 1 page.

Muse, John Richard; Non-final Office Action for U.S. Appl. No. 15/373,103, filed Dec. 8, 2016, dated Feb. 7, 2017; 9 pgs.

Muse, John Richard; Notice of Allowance for U.S. Appl. No. 15/373,103, filed Dec. 8, 2016, dated Mar. 16, 2017; 6 pgs.



(56)

**References Cited**

## OTHER PUBLICATIONS

Muse, John Richard; Notice of Allowance for U.S. Appl. No. 14/854,777, filed Sep. 15, 2015, dated Sep. 19, 2016, 10 pgs.  
 Muse, John Richard; Advisory Action for U.S. Appl. No. 14/854,777, filed Sep. 15, 2015, dated Jul. 25, 2016, 3 pgs.  
 Muse, John Richard; Applicant Initiated Interview Summary for U.S. Appl. No. 14/854,777, filed Sep. 15, 2015, dated Jun. 16, 2016, 3 pgs.  
 Muse, John Richard; Applicant-Initiated Interview Summary for U.S. Appl. No. 14/854,777, filed Sep. 15, 2015, dated Aug. 26, 2016; 3 pgs.  
 Chen, Shifeng; Final Office Action for U.S. Appl. No. 16/703,272, filed Dec. 4, 2019, dated Oct. 28, 2022, 19 pgs.  
 Chen, Shifeng; Notice of Allowance for U.S. Appl. No. 16/703,184, filed Dec. 4, 2019, dated Nov. 3, 2022, 17 pgs.  
 May 27, 2022, Chen, Shifeng; Non-Final Office Action for U.S. Appl. No. 16/703,184, filed Dec. 4, 2019, dated May 27, 2022, 12 pgs.  
 Muse, John Richard; Final Office Action for U.S. Appl. No. 14/854,777, filed Sep. 15, 2015, dated May 24, 2016, 12 pgs.  
 Muse, John Richard; Issue Notification for U.S. Appl. No. 14/854,777, filed Sep. 15, 2015, dated Nov. 22, 2016; 1 pg.  
 Muse, John Richard; Non-Final Office Action for U.S. Appl. No. 14/854,777, filed Sep. 15, 2015, dated Dec. 22, 2015, 38 pgs.  
 Muse, John Richard; Issue Notification for U.S. Appl. No. 15/615,895, filed Jun. 7, 2017, dated Jan. 31, 2018, 1 pg.  
 Muse, John Richard; Notice of Allowance for U.S. Appl. No. 15/615,895, filed Jun. 7, 2017, dated Dec. 8, 2017, 13 pgs.  
 Muse; Non-Final Office Action U.S. Appl. No. 15/615,895, filed Jun. 7, 2017, dated Sep. 14, 2017; 38 pgs.  
 Muse, John Richard; Final Office Action for U.S. Appl. No. 13/551,583, filed Jul. 17, 2012, dated Dec. 31, 2014, 16 pgs.  
 Muse, John Richard; Non-Final Office Action for U.S. Appl. No. 13/551,583, filed Jul. 17, 2012, dated Jul. 15, 2014, 38 pgs.  
 Muse, John Richard; Non-Final Office Action for U.S. Appl. No. 13/551,583, filed Jul. 17, 2012, dated Apr. 1, 2015, 12 pgs.  
 Muse, John Richard; Notice of Allowance for U.S. Appl. No. 13/551,583, filed Jul. 17, 2012, dated Sep. 28, 2015, 13 pgs.  
 Muse, John Richard; Supplemental Notice of Allowability for U.S. Appl. No. 13/551,583, filed Jul. 17, 2012, dated Oct. 15, 2015, 5 pgs.  
 alibaba.com; Article entitled: "Heavy Duty 32 Gallon Reusable Collapsible Yard Waste Container", publicly available prior to Aug. 19, 2019, 4 pgs.  
 Chen, Shifeng; Final Office Action for U.S. Appl. No. 16/703,272, filed Dec. 4, 2019, dated Feb. 18, 2022, 14 pgs.  
 Chen, Shifeng; Non-Final Office Action for U.S. Appl. No. 16/703,272, filed Dec. 4, 2019, dated May 20, 2022, 19 pgs.  
 Chen, Shifeng; Non-Final Office Action for U.S. Appl. No. 16/703,272, filed Dec. 4, 2019, dated Sep. 17, 2021, 49 pgs.

donthuntmenow.club; Article entitled: "Paper Leaf Bag", Dec. 1, 2018, 23 pgs.  
 knowledgeboard.co; Article entitled: "Leaf Bag Holder", Apr. 21, 2019, 23 pgs.  
 The Home Depot; Article entitled: "Leaf Easy Plastic Leaf and Lawn Chute", publicly available prior to Aug. 19, 2019, 3 pgs.  
 Chen, Shifeng; Non-Final Office Action for U.S. Appl. No. 16/703,184, filed Dec. 4, 2019, dated Jan. 14, 2022, 49 pgs.  
 Chen, Shifeng; Non-Final Office Action for U.S. Appl. No. 16/703,184, filed Dec. 4, 2019, dated May 27, 2022, 12 pgs.  
 Chen, Shifeng; Requirement for Restriction/Election for U.S. Appl. No. 16/703,184, filed Dec. 4, 2019, dated Dec. 3, 2021, 6 pgs.  
 Chen, Shifeng; Corrected Notice of Allowance for Design U.S. Appl. No. 29/715,749, filed Dec. 4, 2019, dated Jun. 8, 2021, 6 pgs.  
 Chen, Shifeng; Corrected Notice of Allowance for Design U.S. Appl. No. 29/715,749, filed Dec. 4, 2019, dated Jul. 26, 2021, 6 pgs.  
 Chen, Shifeng; Notice of Allowance for Design U.S. Appl. No. 29/715,749, filed Dec. 4, 2019, dated Apr. 21, 2021, 36 pgs.  
 Chen, Shifeng; Corrected Notice of Allowance for U.S. Appl. No. 29/800,663, filed Jul. 22, 2021, dated Oct. 18, 2021, 34 pgs.  
 Chen, Shifeng; Notice of Allowance for U.S. Appl. No. 29/800,663, filed Jul. 22, 2021, dated Oct. 4, 2021, 6 pgs.  
 Chen, Shifeng; Corrected Notice of Allowance for Design U.S. Appl. No. 29/715,742, filed Dec. 4, 2019, dated Oct. 4, 2021, 6 pgs.  
 Chen, Shifeng; Corrected Notice of Allowance for U.S. Appl. No. 29/715,742, filed Dec. 4, 2019, dated Aug. 31, 2021, 6 pgs.  
 Chen, Shifeng; Notice of Allowance for Design U.S. Appl. No. 29/175,742, filed Dec. 4, 2019, dated Jun. 29, 2021, 42 pgs.  
 Chen, Shifeng; Notice of Allowance for Design U.S. Appl. No. 29/809,463, filed Sep. 28, 2021, dated Feb. 24, 2022, 40 pgs.  
 Chen, Shifeng; Notice of Allowance for Design U.S. Appl. No. 29/809,466, filed Sep. 28, 2021, dated Feb. 24, 2022, 39 pgs.  
 Google search Feb. 17, 2022, ebay.com, Jardineer garden leaf scoops yard, leaf grabber claws, <https://www.ebay.com/itm/144411174223> (Year: 2022).  
 Chen, Shifeng; Non-Final Office Action for U.S. Appl. No. 16/703,272, filed Dec. 4, 2019, dated Feb. 9, 2023, 19 pgs.  
 Chen, Shifeng; Non-Final Office Action for U.S. Appl. No. 18/051,746, filed Nov. 1, 2022, dated Feb. 14, 2023, 42 pgs.  
 Chen, Shifeng; Requirement for Restriction/Election for U.S. Appl. No. 18/051,746, filed Nov. 1, 2022, dated Feb. 6, 2023, 8 pgs.  
 Chen, Shifeng; Notice of Allowance for U.S. Appl. No. 29/840,177, filed May 26, 2022, dated Jan. 24, 2023, 52 pgs.  
 lowes.com retrieved Jan. 9, 2022, leafeasy46.75 inX15 in bag insert, <https://www.lowes.com/pd/LeafEasy-46-in-x-16-75-n-Trash-Bag-Insert/50049703> (Year: 2022), 5 pgs.  
 lowes.com retrieved on Jan. 9, 2022, leafEasy 39 gallon outdoor plastic lawn and leaf trash bag, <https://www.lowes.com/od/LeafEasy-39-Gallon-Green-Plastic-Lawn-and-Leaf-Trash-Bag/1001315000> (Year: 2022), 5 pgs.

\* cited by examiner

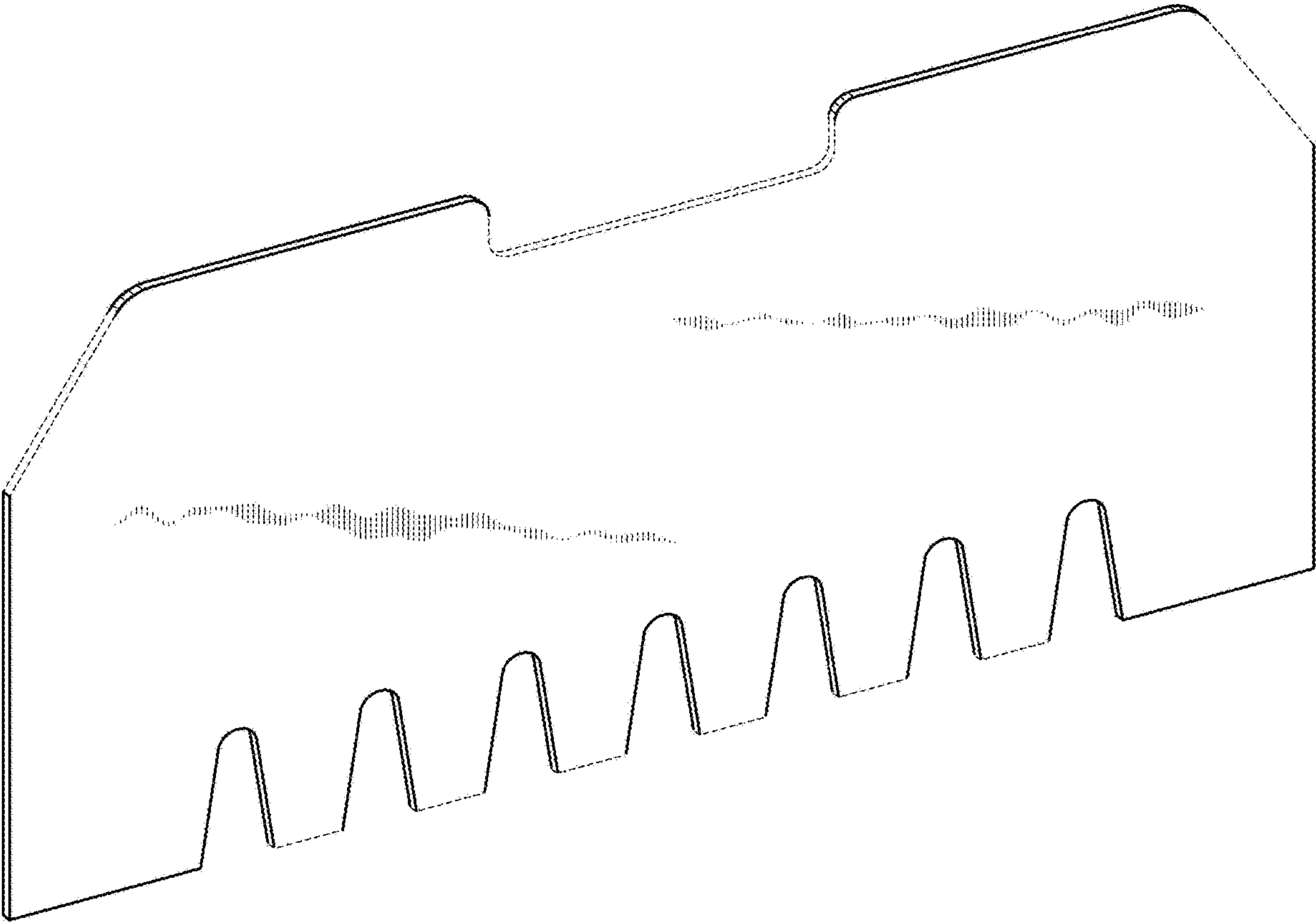


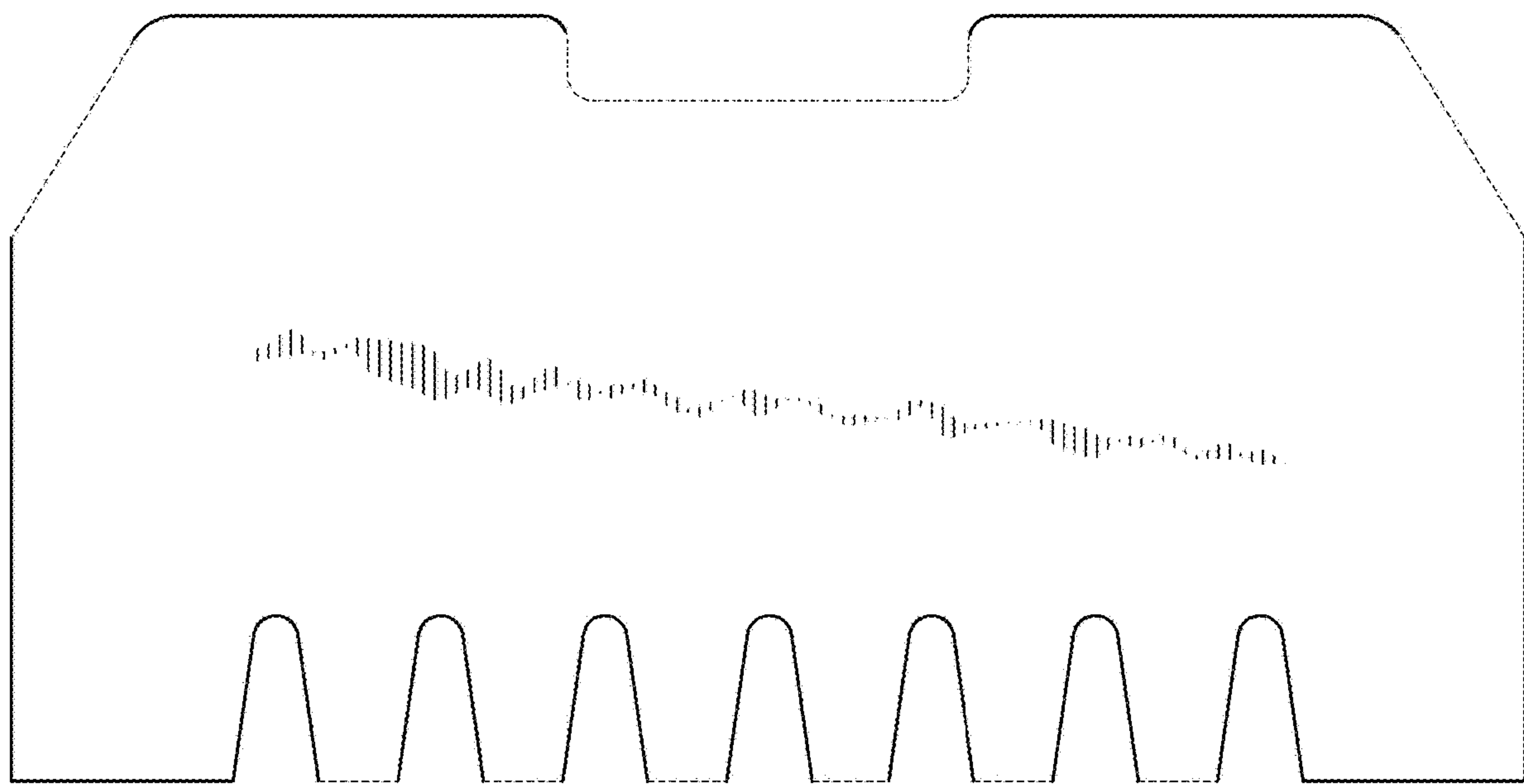
FIG. 1



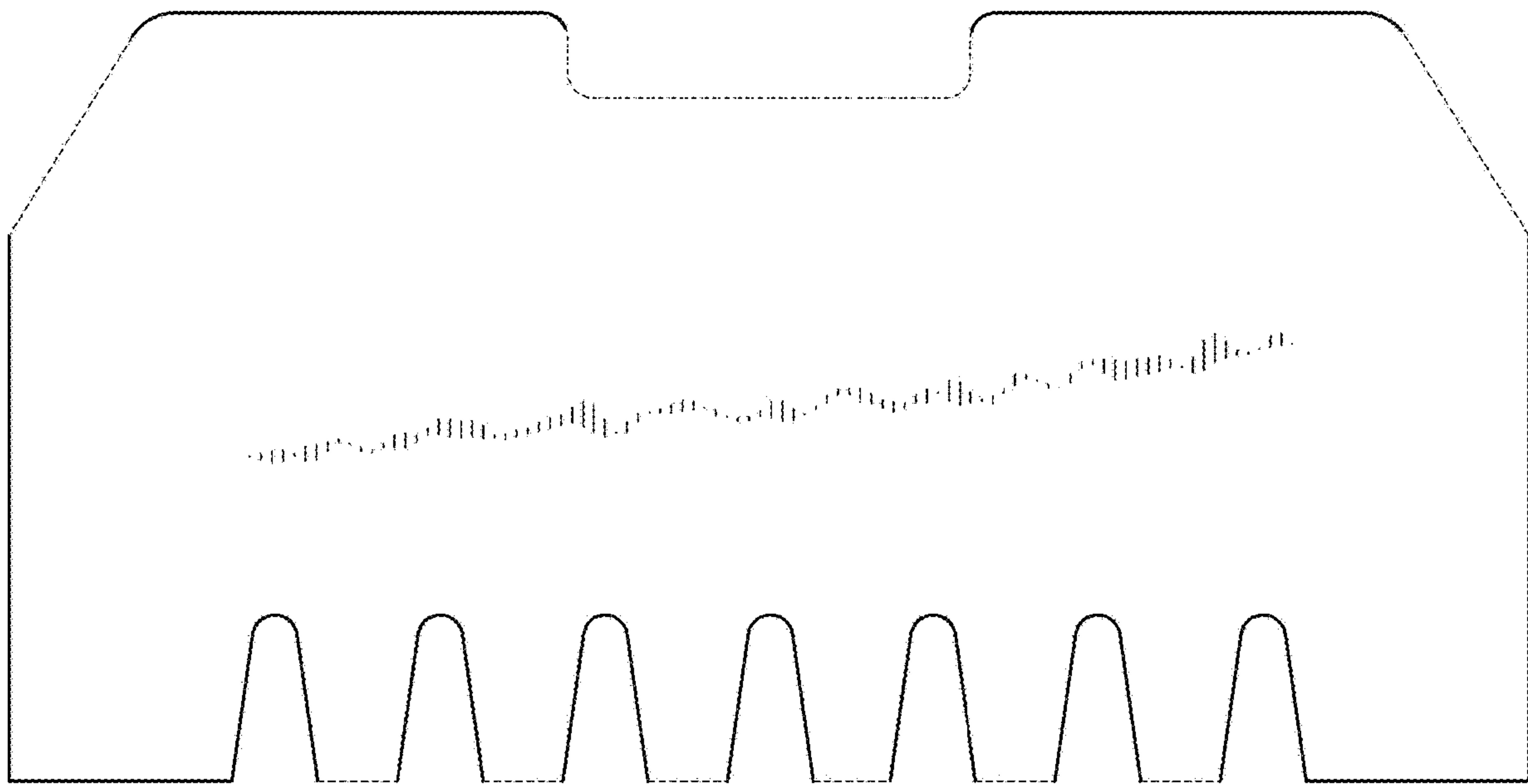
**FIG. 2**



**FIG. 3**

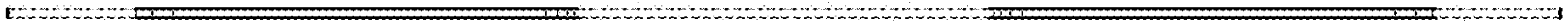


**FIG. 4**



**FIG. 5**





**FIG. 6**



**FIG. 7**