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(12) **United States Design Patent** (10) **Patent No.:** **US D915,703 S**  
**Harrington et al.** (45) **Date of Patent:** **\*\* Apr. 6, 2021**

(54) **FLAT HEADED MOP**  
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D297,275 S \* 8/1988 Cook ..... D32/44  
4,799,283 A \* 1/1989 Haydon ..... A47L 13/146  
15/147.1  
4,912,804 A 4/1990 Pasbol  
(Continued)

FOREIGN PATENT DOCUMENTS

BE 1009731 A6 7/1997  
CA 1306592 C 8/1992  
(Continued)

OTHER PUBLICATIONS

Libman 4005 10" X 5" Freedom Dust Mop—Overstock review  
2019, <https://www.overstock.com/Home-Garden/Libman-4005-10-X-5-Freedom-Dust-Mop/124> . . . site visited Apr. 16, 2020.\*  
(Continued)

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(57) **CLAIM**

We claim, the ornamental design for a flat headed mop, as shown and described.

**DESCRIPTION**

FIG. 1 is a front, top perspective view of our new design for a flat headed mop;  
FIG. 2 is a rear, top perspective view thereof;  
FIG. 3 is an enlarged front, top perspective view taken from FIG. 1;  
FIG. 4 is an enlarged front, bottom perspective view thereof;  
FIG. 5 is a rear elevation view thereof;  
FIG. 6 is a front elevation view thereof;  
FIG. 7 is a right side elevation view thereof;  
FIG. 8 is a left side elevation view thereof;  
FIG. 9 is a top plan view thereof; and,  
FIG. 10 is a bottom plan view thereof.  
The broken lines in the drawings depict portions of the flat headed mop that form no part of the claimed design.

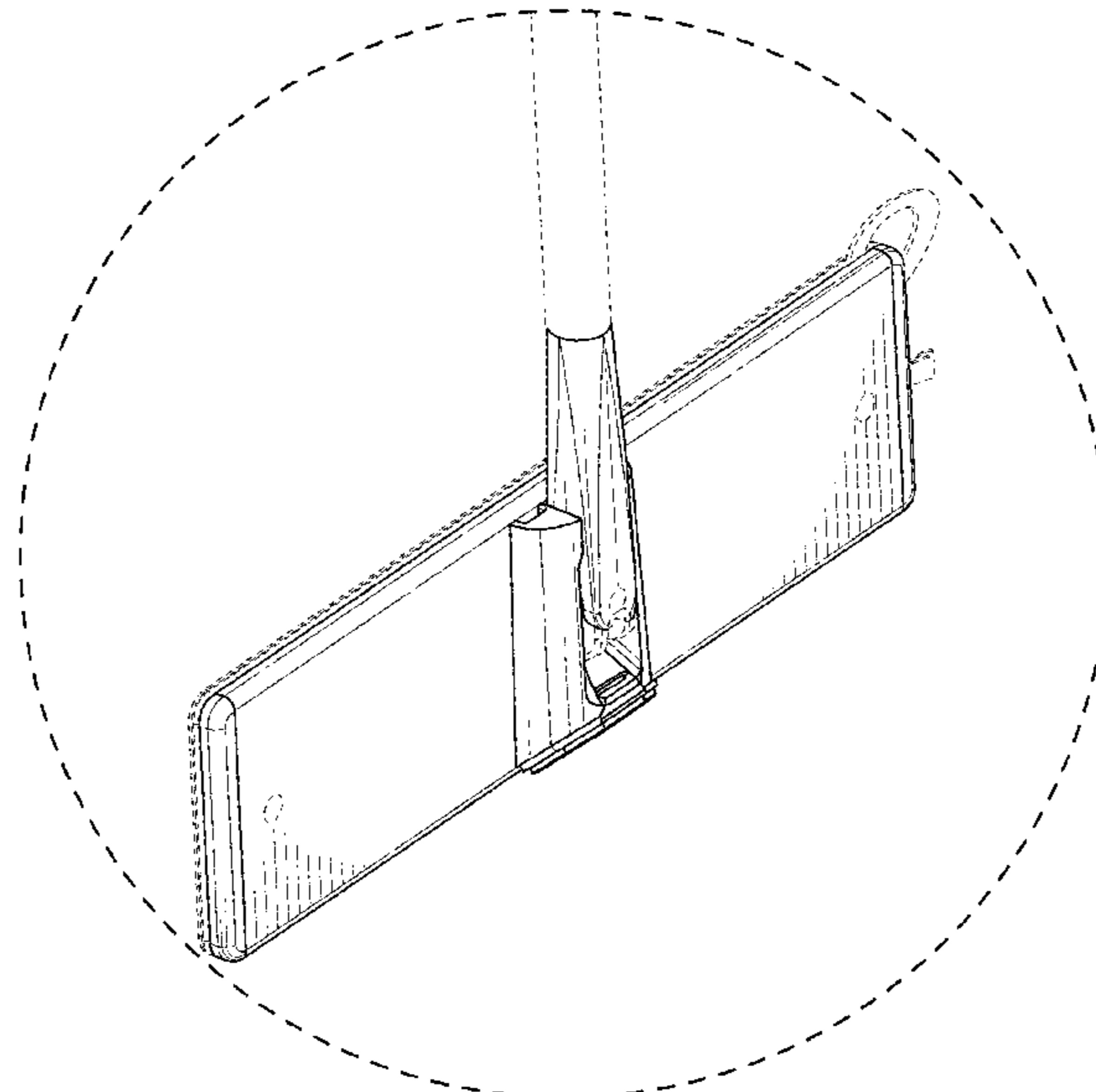
**1 Claim, 7 Drawing Sheets**

(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/692,647**  
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(52) **U.S. Cl.**  
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(58) **Field of Classification Search**  
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D4/132, 135; D8/13  
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See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

395,960 A 1/1889 Drew  
2,286,944 A 6/1942 Altland  
2,740,146 A 4/1956 Vaughn  
2,796,617 A 6/1957 Remington  
2,852,794 A 9/1958 Blum  
2,966,689 A 1/1961 Antonucci, Jr.  
D195,818 S \* 8/1963 Herman et al. .... D32/50  
3,280,418 A 10/1966 Schonberger  
D249,821 S \* 10/1978 Cooke ..... D32/50  
4,161,799 A 7/1979 Sorrells  
4,704,763 A 11/1987 Sacks et al.



(56)

References Cited

U.S. PATENT DOCUMENTS

5,131,111 A 7/1992 Richardson et al.  
D358,238 S \* 5/1995 Barnett ..... D32/40  
5,438,727 A 8/1995 Specht  
5,548,865 A 8/1996 Pagani  
5,774,929 A 7/1998 Jurgens et al.  
5,983,441 A 11/1999 Willaims et al.  
D427,401 S \* 6/2000 Kunkler ..... D32/50  
6,115,878 A 9/2000 McLaughlin et al.  
6,158,089 A 12/2000 Monahan et al.  
6,260,226 B1 7/2001 Specht  
6,279,195 B1 8/2001 Biggs  
6,487,745 B2 12/2002 Specht  
6,543,081 B1 4/2003 Cohen  
6,588,045 B2 7/2003 Fernandez  
D497,699 S \* 10/2004 Chi-Hsiang ..... D32/45  
6,810,554 B2 11/2004 McKay  
D505,762 S \* 5/2005 Lalanne ..... D32/45  
6,996,873 B2 2/2006 Salmon  
7,174,600 B2 2/2007 Kresse et al.  
7,293,317 B2 11/2007 Tsuchiya et al.  
D563,068 S \* 2/2008 Jiang ..... D32/50  
D566,916 S \* 4/2008 Nobile ..... D32/40  
D571,069 S \* 6/2008 Harper ..... D32/52  
D585,612 S \* 1/2009 Soller ..... D32/40  
7,536,743 B2 5/2009 Goh et al.  
D597,717 S \* 8/2009 Rosenzweig ..... A47L 13/225  
D32/45  
7,607,191 B2 10/2009 Morris et al.  
D607,165 S \* 12/2009 Libman ..... D32/45  
D617,066 S \* 6/2010 Koenig ..... D32/50  
D625,480 S \* 10/2010 Raven ..... D32/50  
7,827,649 B2 11/2010 Horian  
D638,186 S \* 5/2011 Yoon ..... D32/50  
D638,596 S \* 5/2011 Vasilakes ..... D32/50  
7,946,445 B2 5/2011 Tytar  
D644,386 S \* 8/2011 Tawara ..... D32/51  
8,056,178 B2 11/2011 Bar-Noy et al.  
8,099,824 B2 1/2012 Dingert et al.  
D653,826 S \* 2/2012 Lee ..... D32/50  
D655,876 S \* 3/2012 Lee ..... D32/50  
D657,928 S \* 4/2012 Byrne ..... D32/50  
D658,344 S \* 4/2012 Babic ..... D32/50  
D658,836 S \* 5/2012 Ediger ..... D32/50  
D673,748 S \* 1/2013 Snyder ..... D32/50  
D677,031 S \* 2/2013 Best ..... D32/50  
8,381,931 B1 2/2013 Ernest, III  
8,474,089 B2 7/2013 Goentzel  
8,479,352 B2 7/2013 Rivadulla Oliva  
8,544,141 B1 10/2013 Kyde et al.  
8,584,300 B2 11/2013 Weis  
8,652,263 B2 2/2014 Goentzel  
D703,407 S \* 4/2014 Xiong ..... D32/45  
8,701,238 B1 4/2014 Morad et al.  
8,771,428 B1 7/2014 Goentzel  
D720,906 S \* 1/2015 Baldwin ..... D32/50  
9,161,673 B2 10/2015 Tronconi et al.  
9,216,751 B2 12/2015 Adams et al.  
D747,053 S \* 1/2016 Baldwin ..... D32/40  
D756,581 S \* 5/2016 Libman ..... D32/50  
D759,329 S \* 6/2016 Colangelo ..... D32/50  
D766,528 S \* 9/2016 Choi ..... D32/50  
D793,639 S \* 8/2017 Schuller ..... D32/45  
9,932,056 B2 4/2018 Eisenhut et al.  
9,943,207 B1 4/2018 Patterson  
2003/0019954 A1 1/2003 Clarke  
2005/0022843 A1 \* 2/2005 Policicchio ..... A47L 13/16  
134/6  
2005/0086980 A1 4/2005 Young  
2005/0100403 A1 5/2005 Kruepke  
2006/0048330 A1 3/2006 Rust et al.  
2007/0289084 A1 12/2007 Damrath et al.  
2008/0006640 A1 1/2008 Natale  
2008/0141477 A1 6/2008 Damrath et al.  
2008/0155775 A1 7/2008 Damrath et al.  
2009/0007351 A1 1/2009 Horian

2014/0263105 A1 9/2014 Kontorovich et al.  
2015/0201821 A1 7/2015 McBride, Jr. et al.  
2015/0351603 A1 12/2015 Katsnelson  
2016/0113471 A1 4/2016 Zhu et al.  
2016/0309980 A1 10/2016 LeCompte et al.  
2016/0316988 A1 11/2016 Balz et al.  
2017/0027403 A1 2/2017 Zhu  
2017/0049292 A1 2/2017 Harrington et al.  
2017/0231457 A1 8/2017 Cloud  
2018/0035862 A1 2/2018 Polti et al.  
2018/0055327 A1 3/2018 Li

FOREIGN PATENT DOCUMENTS

CN 2081281 U 7/1991  
CN 200987655 Y 12/2007  
CN 201227258 Y 4/2009  
CN 201227259 Y 4/2009  
CN 201384477 Y 1/2010  
CN 201675888 U 12/2010  
CN 202211661 U 5/2012  
CN 202313166 U 7/2012  
CN 102711578 A 10/2012  
CN 102846284 A 1/2013  
CN 202821248 U 3/2013  
CN 203029178 U 7/2013  
CN 103445735 A 12/2013  
CN 204146974 U 2/2015  
CN 104853664 A 8/2015  
CN 204744046 U 11/2015  
CN 204889883 U 12/2015  
CN 105286740 A 2/2016  
CN 105640460 A 6/2016  
CN 105769071 A 7/2016  
CN 205391076 U 7/2016  
CN 205493747 U 8/2016  
CN 105996932 A 10/2016  
CN 205625834 U 10/2016  
CN 205697619 U 11/2016  
CN 205729277 U 11/2016  
CN 205831737 U 12/2016  
CN 205866707 U 1/2017  
CN 206080445 U 4/2017  
CN 206080446 U 4/2017  
CN 106725163 A 5/2017  
CN 106725164 A 5/2017  
CN 206151396 U 5/2017  
CN 206183214 U 5/2017  
CN 206381142 U 8/2017  
CN 107115077 A 9/2017  
CN 206548456 U 10/2017  
CN 107456178 A 12/2017  
CN 107495914 A 12/2017  
CN 107518843 A 12/2017  
CN 206761652 U 12/2017  
CN 107684406 A 2/2018  
CN 107684407 A 2/2018  
CN 107692938 A 2/2018  
CN 107811591 A 3/2018  
CN 207152550 U 3/2018  
CN 207186587 U 4/2018  
CN 207202839 U 4/2018  
CN 304639767 \* 5/2018  
DE 382754 10/1923  
DE 4318792 A1 12/1994  
DE 19635620 A1 3/1998  
DE 10065373 A1 7/2002  
EP 1219226 A1 7/2002  
EP 2033565 A2 3/2009  
EP 1219224 B1 3/2010  
EP 1651089 B1 11/2010  
EP 2769660 A1 8/2014  
EP 2848178 A2 3/2015  
FR 3058627 A1 5/2018  
GB 379946 A 9/1932  
GB 396469 A 8/1933  
GB 932579 A 7/1963  
GB 1168635 A 10/1969  
GB 1277932 A 6/1972



(56)

**References Cited**

FOREIGN PATENT DOCUMENTS

JP	H110304998	A	11/1998
JP	2014030815	A	2/2014
KR	485755	Y1	2/2018
KR	2018025263	A	3/2018
WO	199210968	A1	7/1992
WO	200200089	A1	1/2002
WO	2004080265	A2	9/2004
WO	2005013794	A1	2/2005
WO	2006027383	A1	3/2006
WO	2015090356	A1	6/2015
WO	2016116067	A1	7/2016
WO	2017193609	A1	11/2017
WO	2017206511	A1	12/2017
WO	2018024160	A1	2/2018
WO	2018040920	A1	3/2018

OTHER PUBLICATIONS

International Search Report and Written Opinion for International Application No. PCT/US2019/034282 dated Aug. 7, 2019, ISR/WO, dated Aug. 7, 2019, 9 pgs.

\* cited by examiner

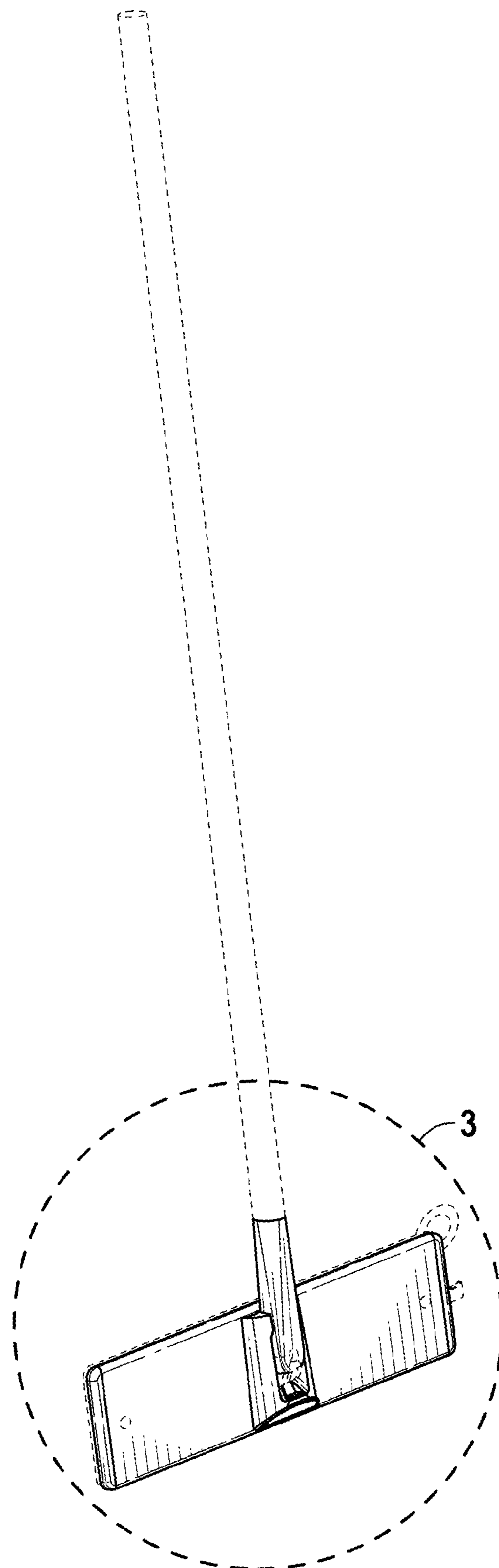


FIG. 1

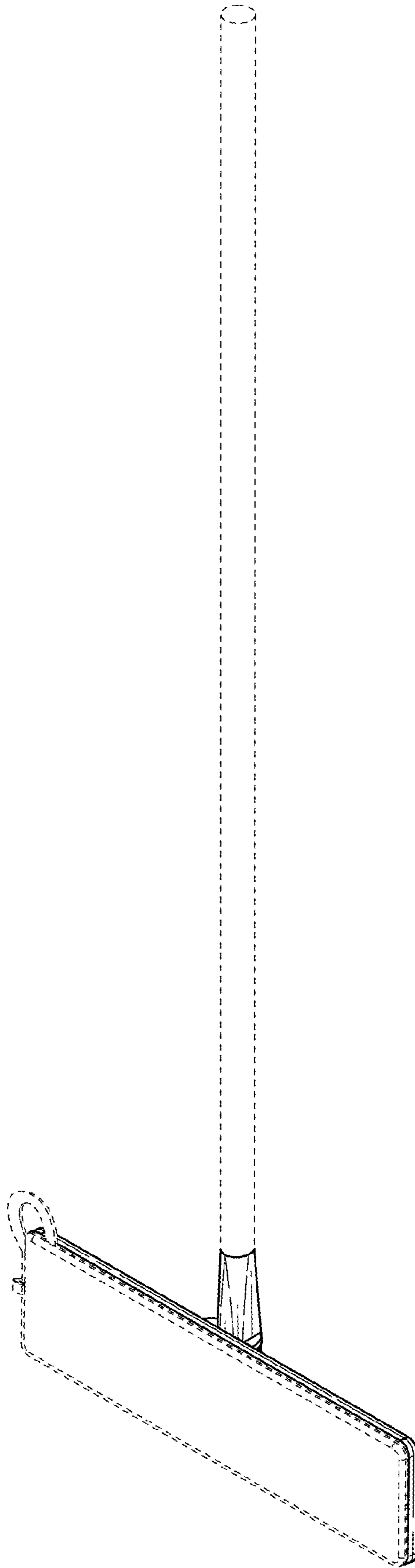


FIG. 2

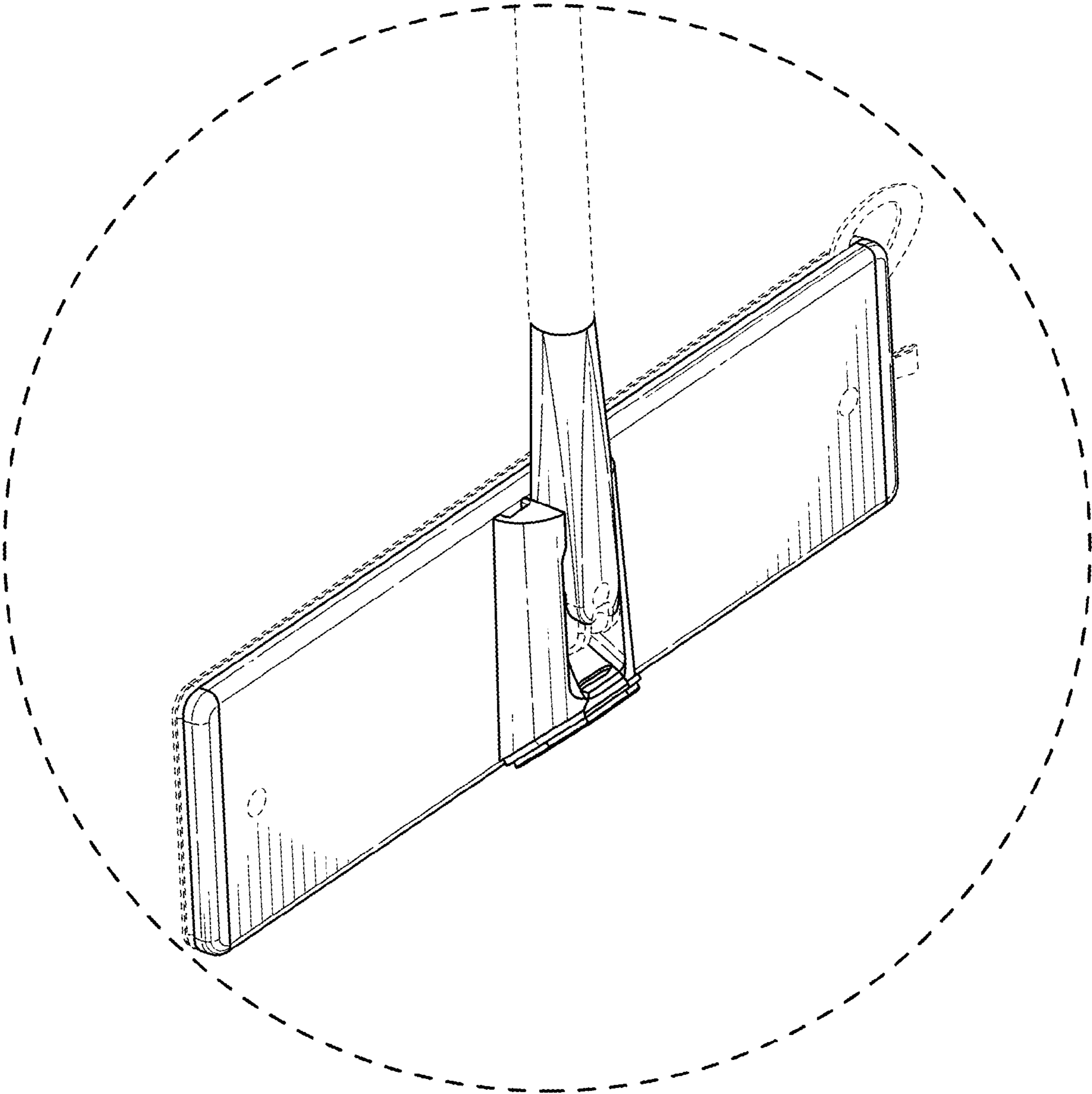


FIG. 3

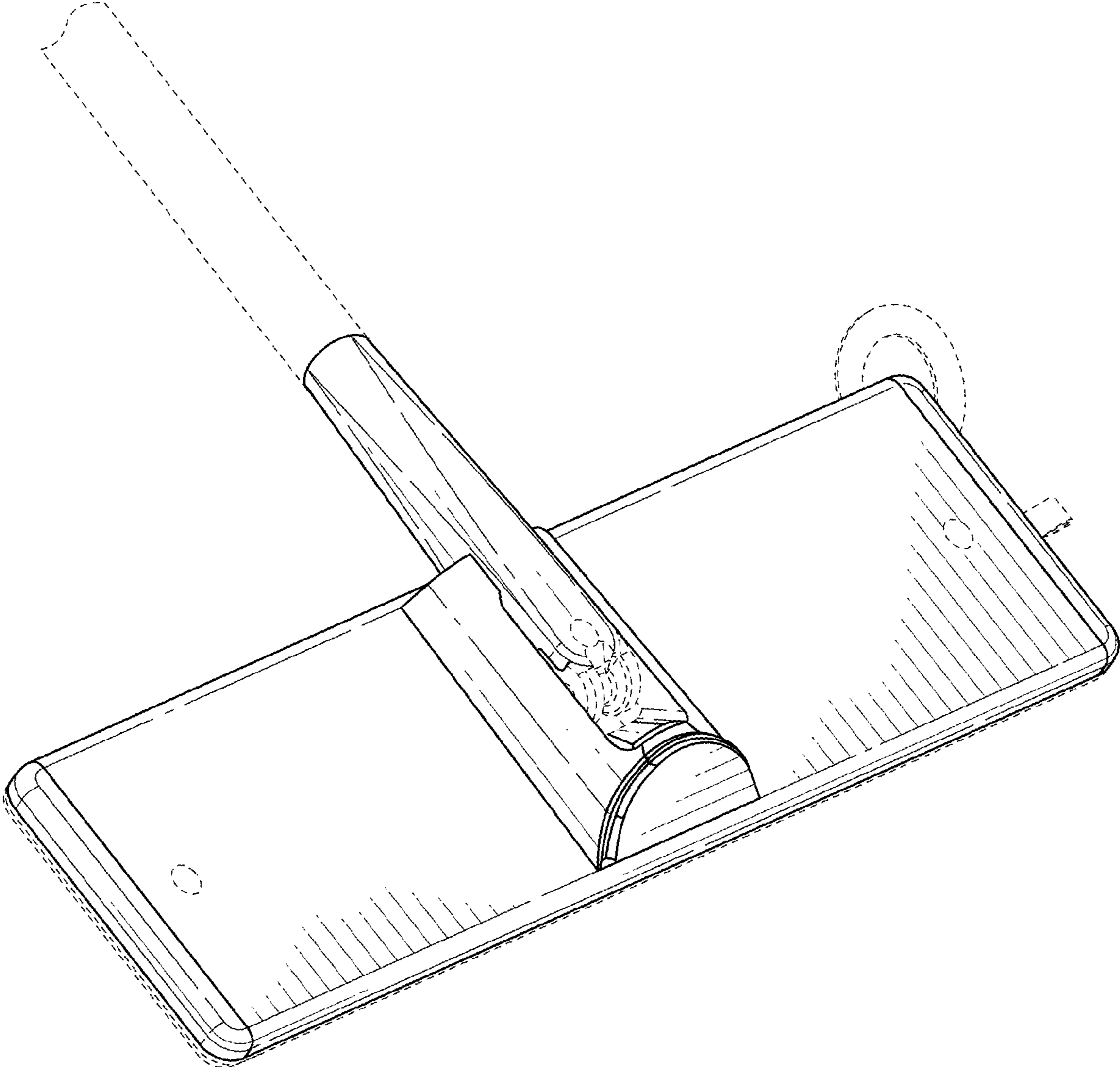


FIG. 4

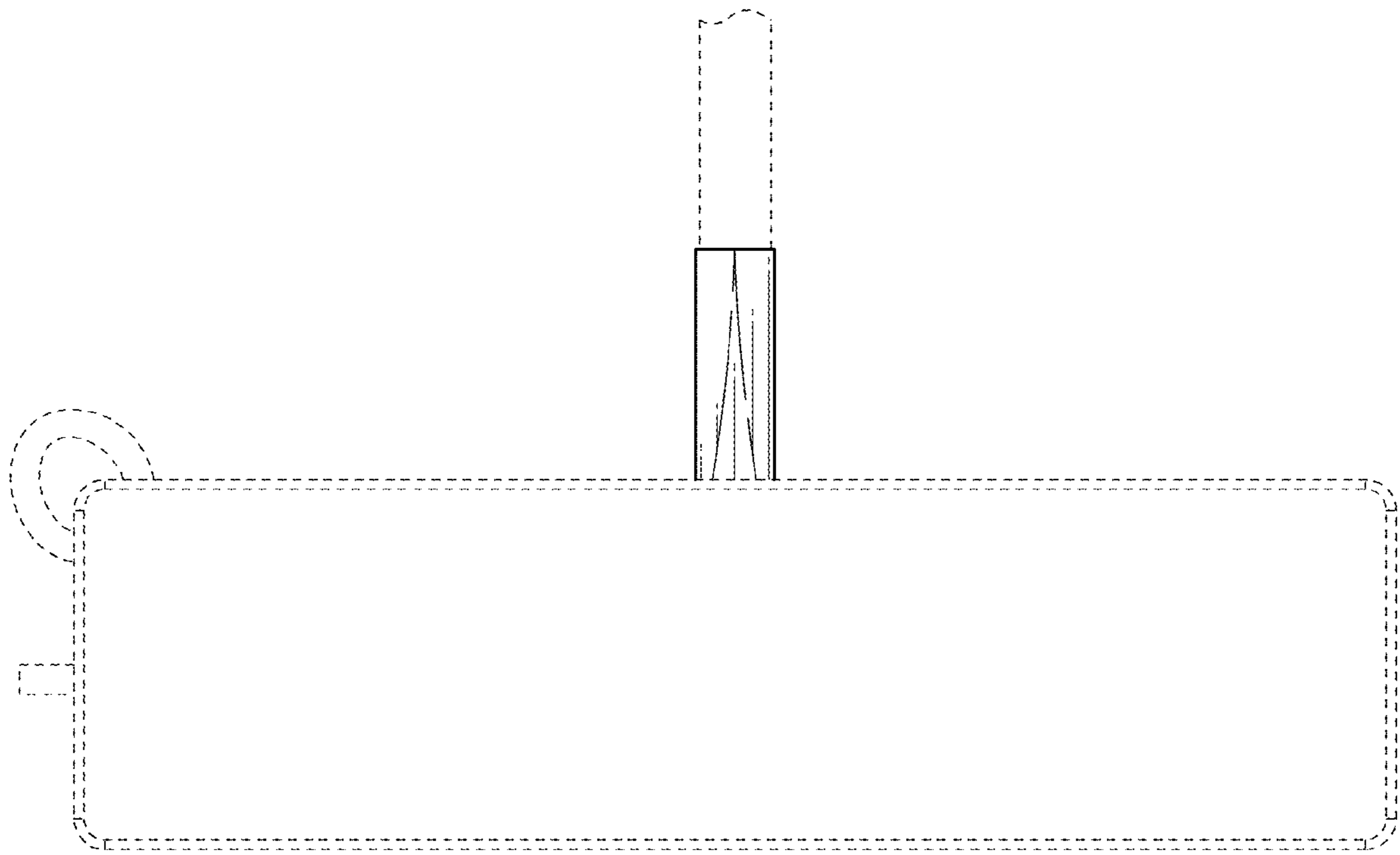


FIG. 5

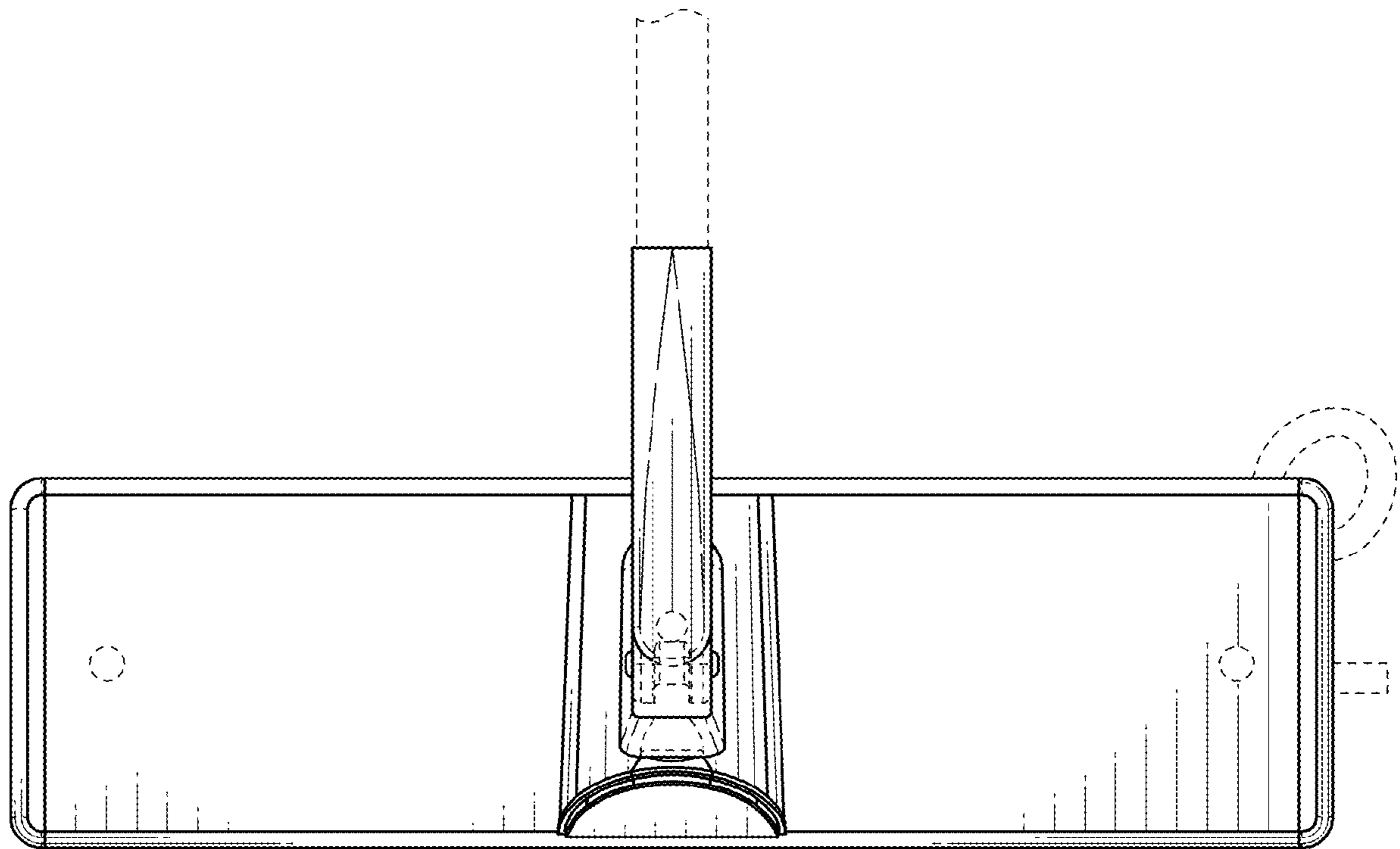


FIG. 6



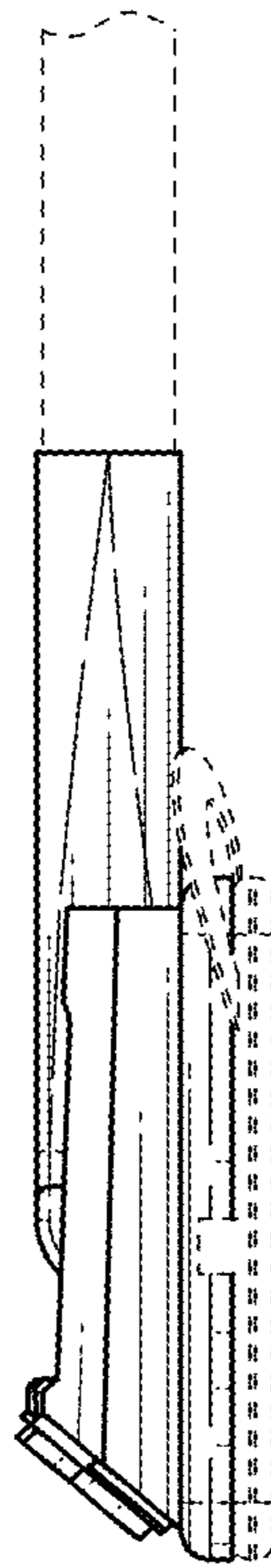


FIG. 7

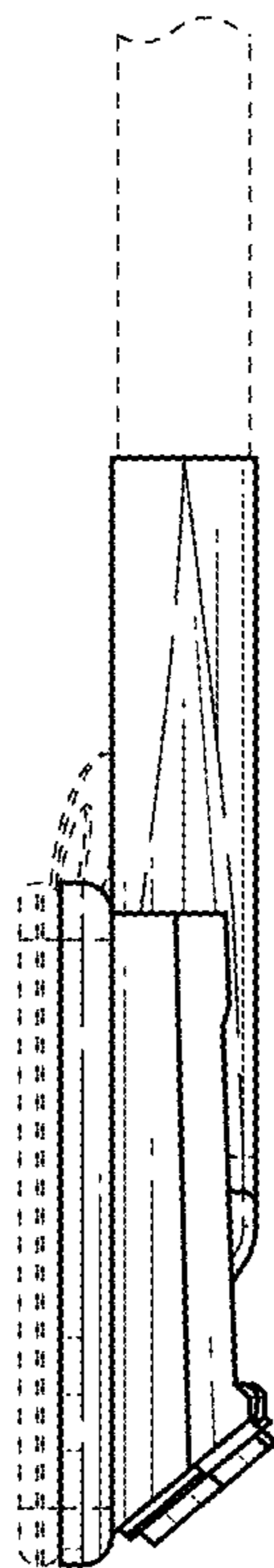


FIG. 8

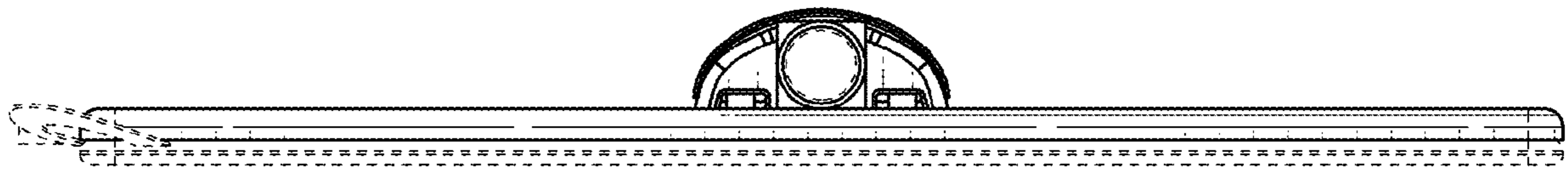


FIG. 9

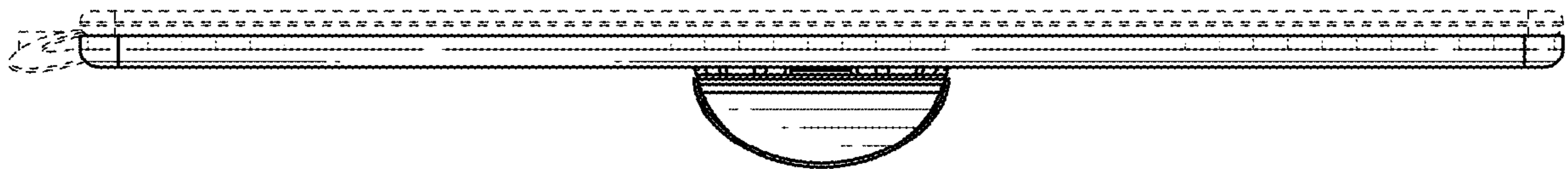


FIG. 10