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(12) **United States Design Patent** (10) **Patent No.:** **US D549,414 S**  
**Van Landingham, Jr.** (45) **Date of Patent:** **\*\* Aug. 21, 2007**

- (54) **MOP FRAME** 3,099,855 A 8/1963 Nash  
 3,145,406 A 8/1964 Lay  
 (75) Inventor: **Alfred Reneau Van Landingham, Jr.,** 3,187,363 A 6/1965 Auwarter  
 Stephens City, VA (US) D204,662 S 5/1966 Benjamin  
 D206,933 S 2/1967 Gibbs  
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 LLC, Winchester, VA (US) 3,358,313 A 12/1967 Grimes, Sr.  
 3,407,424 A 10/1968 Lanzarone et al.

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

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FOREIGN PATENT DOCUMENTS

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(51) **LOC (8) Cl.** ..... **04-01**

(52) **U.S. Cl.** ..... **D32/50**

(58) **Field of Classification Search** ..... D32/40,  
D32/50; D4/199; 15/146, 147.1, 147.2,  
15/229.1-229.9, 150

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See application file for complete search history.

(57) **CLAIM**

(56) **References Cited**

The ornamental design for a mop frame, as shown and described.

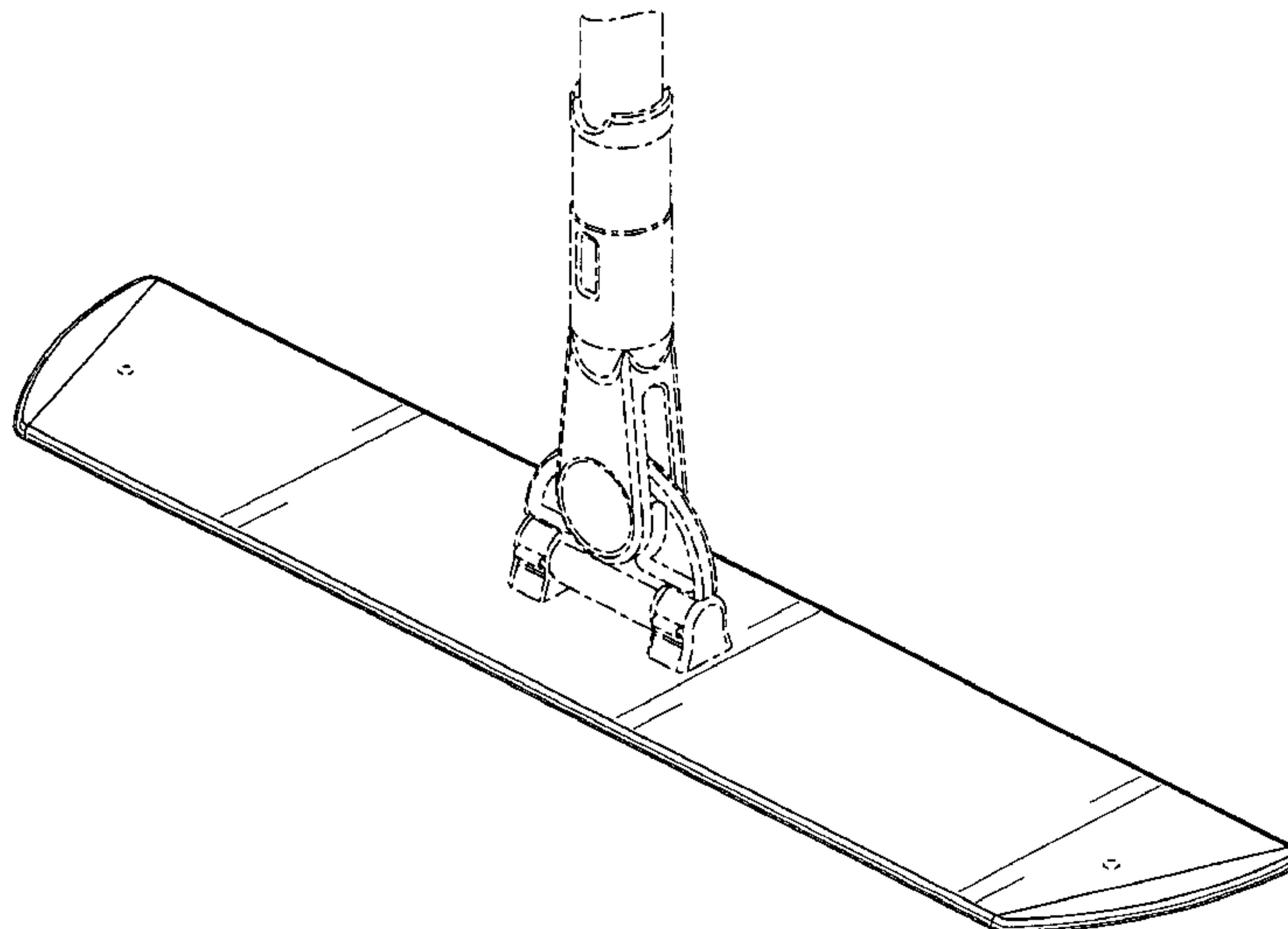
U.S. PATENT DOCUMENTS

**DESCRIPTION**

- 1,184,543 A 5/1916 Lepak  
 1,234,721 A 7/1917 Boggess  
 1,486,284 A 3/1924 Eiffé  
 1,816,861 A 8/1931 Mancuso  
 1,929,848 A 10/1933 Neely  
 1,932,099 A 10/1933 Cabana  
 1,955,445 A 4/1934 Wenger  
 2,021,977 A 11/1935 Allen et al.  
 2,023,134 A 12/1935 Gringer  
 2,123,813 A 7/1938 Stiles  
 2,134,301 A 10/1938 Guggenbuehler  
 2,252,436 A 8/1941 MacGraham  
 2,262,334 A 11/1941 Rugaard  
 2,277,676 A 3/1942 Blanchard  
 2,753,579 A 7/1956 Kussmann  
 2,793,383 A 5/1957 Nomiya  
 2,870,475 A 1/1959 Scheuer et al.  
 2,932,047 A 4/1960 Johnston

FIG. 1 is a top frontal isometric view of a mop handle according to my new design;  
FIG. 2 is a front view of the mop frame shown in FIG. 1;  
FIG. 3 is a back view of the mop frame shown in FIG. 1;  
FIG. 4 is a left side view of the mop frame shown in FIG. 1;  
FIG. 5 is a right side view of the mop frame shown in FIG. 1;  
FIG. 6 is a top view of the mop frame shown in FIG. 1; and,  
FIG. 7 is a bottom view of the mop frame shown in FIG. 1.  
The broken lines in the drawings are for illustrative purposes only and form no part of the claimed design.

**1 Claim, 6 Drawing Sheets**



# US D549,414 S

U.S. PATENT DOCUMENTS					
3,440,677 A	4/1969	Flomerfelt	4,852,207 A	8/1989	Yamane
3,465,377 A	9/1969	Thomas	4,852,210 A	8/1989	Krajicek
3,562,841 A	2/1971	Royalty	D304,630 S	11/1989	Jones et al.
3,593,359 A	7/1971	Strauss	4,912,804 A	4/1990	Pasbol
3,699,606 A	10/1972	Ribas	D307,517 S	5/1990	Mallory et al.
3,737,938 A	6/1973	Saltzstein	4,962,561 A	10/1990	Hamilton
3,747,154 A	7/1973	O'Neil	D320,295 S	9/1991	Delmerico
3,773,375 A	11/1973	Nehls	5,071,489 A	12/1991	Silvenis et al.
3,792,505 A	2/1974	Saltzstein	5,099,539 A	3/1992	Forester
3,850,533 A *	11/1974	Thielen ..... 403/58	5,109,637 A	5/1992	Calafut et al.
3,866,257 A	2/1975	Cansdale, Sr.	5,133,101 A	7/1992	Hauser et al.
3,877,103 A	4/1975	Nash	D331,151 S *	11/1992	Kiefer ..... D4/121
3,896,518 A	7/1975	Von Post et al.	5,207,754 A	5/1993	Harrah
3,909,870 A	10/1975	Leland	5,220,707 A	6/1993	Newman, Sr. et al.
3,921,247 A	11/1975	Cook	5,228,202 A	7/1993	Liao
3,996,639 A	12/1976	Griffin	5,242,362 A	9/1993	Talamantez
4,070,726 A	1/1978	Joffre	D344,379 S	2/1994	Clark, Jr.
D248,081 S	6/1978	Epstein	D345,236 S	3/1994	Chen
D248,610 S	7/1978	Schwartz	5,292,582 A *	3/1994	Gibbs et al. .... 442/329
4,114,223 A	9/1978	Buchanan	D348,550 S	7/1994	Cox et al.
D250,245 S	11/1978	Bebb	5,333,347 A	8/1994	Stranders
4,132,489 A	1/1979	Berg, Jr. et al.	5,333,353 A	8/1994	Taylor
4,161,799 A	7/1979	Sorrells	5,343,589 A	9/1994	Davenport
4,165,550 A	8/1979	Burke	5,375,286 A	12/1994	Harrah
4,184,224 A	1/1980	Joffre	5,402,559 A	4/1995	Allison et al.
4,225,998 A	10/1980	Thielen	D358,238 S	5/1995	Barnett
4,247,216 A	1/1981	Pansini	5,419,015 A	5/1995	Garcia
4,315,342 A	2/1982	Ash	D359,605 S	6/1995	Janikowski
4,325,157 A	4/1982	Balint et al.	5,426,809 A	6/1995	Muta
4,344,201 A	8/1982	Trisolini	5,440,778 A	8/1995	De Guzman
4,345,351 A	8/1982	Moss et al.	5,461,749 A	10/1995	Ahlberg et al.
4,381,766 A	5/1983	Avolio	5,469,594 A	11/1995	Nolte
D270,961 S	10/1983	Hawkins et al.	D366,740 S	1/1996	Clausen et al.
4,455,705 A	6/1984	Graham	5,487,202 A	1/1996	Cowan
D274,856 S	7/1984	Smith et al.	D368,561 S	4/1996	Hodges et al.
4,466,377 A	8/1984	Kolb et al.	5,502,864 A	4/1996	Sorenson
D277,039 S	1/1985	Miyoshi et al.	5,515,574 A	5/1996	Larson
4,516,360 A	5/1985	Gringer et al.	5,548,865 A	8/1996	Pagani
4,524,484 A	6/1985	Graham	5,553,344 A	9/1996	Rosenkrantz
D279,932 S	7/1985	Bergstrom	D374,321 S	10/1996	Mandell et al.
4,603,450 A	8/1986	Osberghaus et al.	5,579,557 A	12/1996	Boden
D285,736 S	9/1986	Seely	5,579,558 A	12/1996	Newman, Jr. et al.
D286,096 S	10/1986	Jaros et al.	5,603,138 A	2/1997	Bonis
4,620,340 A	11/1986	Bohacek	5,611,104 A	3/1997	De Mars
D287,173 S	12/1986	Libman	5,625,923 A	5/1997	Huang
4,625,356 A	12/1986	Meili	D380,303 S	7/1997	Wolfenden
4,656,686 A	4/1987	Moss et al.	5,655,250 A	8/1997	Warrell
4,659,125 A	4/1987	Chuan	D383,580 S	9/1997	Bolster et al.
4,663,796 A	5/1987	Helling et al.	5,666,685 A	9/1997	Von Grolman et al.
4,663,798 A	5/1987	Sacks et al.	D384,818 S	10/1997	Wolfenden
4,667,846 A	5/1987	Marceau	5,682,641 A	11/1997	Newman, Jr. et al.
4,673,307 A	6/1987	Prestele et al.	5,720,071 A	2/1998	Hall
4,685,167 A	8/1987	Murray	D391,715 S	3/1998	Irwin et al.
4,704,758 A	11/1987	Hoffman	5,729,865 A	3/1998	Stoddart
4,704,763 A	11/1987	Sacks et al.	5,752,415 A	5/1998	Tsai
4,707,877 A	11/1987	Griffin	D395,530 S	6/1998	Mandell et al.
4,713,859 A	12/1987	Smith, Jr.	D395,531 S	6/1998	Mandell et al.
4,716,619 A	1/1988	Young	5,771,535 A	6/1998	Blessing
D295,914 S	5/1988	Moss et al.	5,774,929 A	7/1998	Jürgens et al.
4,742,595 A	5/1988	Isaacs	5,779,291 A	7/1998	Forest
D296,833 S	7/1988	Slattery et al.	5,791,006 A	8/1998	Anctil
4,754,518 A	7/1988	Griffin	5,791,805 A	8/1998	Lynch et al.
4,793,646 A	12/1988	Michaud, Jr.	5,813,567 A	9/1998	Mangano
4,794,663 A	1/1989	Vosbikian	5,815,878 A	10/1998	Murakami et al.
4,798,307 A	1/1989	Evrard	D402,776 S	12/1998	Carlson
4,811,449 A	3/1989	Kobayashi	5,842,810 A	12/1998	Morad
4,811,990 A	3/1989	Quearry et al.	5,845,361 A	12/1998	Murakami et al.
4,823,427 A *	4/1989	Gibbs et al. .... 15/247	5,845,917 A	12/1998	Huang
4,829,622 A	5/1989	O'Sullivan et al.	D403,819 S	1/1999	Carlson
4,829,857 A	5/1989	Jones	5,862,562 A	1/1999	Erken
4,850,075 A	7/1989	Kresse et al.	D404,924 S	2/1999	Schmidt
			5,864,913 A	2/1999	Robertson et al.
			D406,932 S	3/1999	Hodges



# US D549,414 S

5,887,315 A	3/1999	Rogers	6,513,184 B1	2/2003	Brown et al.
D407,878 S	4/1999	Carlson	6,523,220 B1	2/2003	Lynn
D408,602 S	4/1999	Carlson	6,530,124 B2	3/2003	Newman et al.
D409,343 S	5/1999	Kingry et al.	6,532,630 B1	3/2003	Newman et al.
D411,673 S	6/1999	Biggs et al.	6,543,082 B2	4/2003	Dingert et al.
5,915,437 A	6/1999	Petner	6,546,596 B2	4/2003	Grote et al.
5,918,343 A	7/1999	Young	D476,123 S	6/2003	Debreczeni
5,920,944 A	7/1999	Biggs et al.	6,588,065 B1	7/2003	Tucker, III
5,926,896 A	7/1999	Allemann et al.	6,601,261 B1	8/2003	Holt et al.
5,941,410 A	8/1999	Mangano	6,606,757 B2	8/2003	Vosbikian et al.
5,960,508 A	10/1999	Holt et al.	D481,184 S	10/2003	Clare et al.
5,971,199 A	10/1999	Jackson	D482,829 S	11/2003	Vosbikian et al.
5,983,441 A	11/1999	Williams et al.	6,651,290 B2	11/2003	Kingry et al.
5,983,455 A	11/1999	Polzin et al.	6,669,397 B1	12/2003	Christion
5,987,685 A	11/1999	Lambert	6,671,923 B2	1/2004	Gromnicki
5,992,423 A	11/1999	Tevolini	6,671,930 B2	1/2004	Lanz
D417,934 S	12/1999	Footer et al.	D486,616 S	2/2004	Hall et al.
5,996,175 A	12/1999	Fusco	D487,174 S	2/2004	Colman et al.
6,000,094 A	12/1999	Young	6,684,446 B2	2/2004	Salmon
6,003,191 A	12/1999	Sherry et al.	6,684,450 B2	2/2004	Dingert
6,023,924 A	2/2000	Babineau	6,687,943 B2	2/2004	Zorzo
6,029,308 A	2/2000	Smith	D489,852 S	5/2004	Perelli
D423,157 S	4/2000	Hodges	D490,952 S	6/2004	Ajluni
D423,742 S	4/2000	Kingry et al.	6,794,352 B2	9/2004	Svendsen
6,045,622 A	4/2000	Holt et al.	6,836,923 B2 *	1/2005	Treacy et al. .... 15/229.8
6,048,123 A	4/2000	Holt et al.	2001/0013153 A1	8/2001	Zorzo
6,058,548 A	5/2000	Footer et al.	2001/0029640 A1	10/2001	Cassar
6,058,552 A	5/2000	Hanan	2001/0047559 A1	12/2001	Graham et al.
6,061,864 A	5/2000	Ensson	2001/0047570 A1	12/2001	Lanz
D426,361 S	6/2000	Young	2002/0021013 A1	2/2002	Newman et al.
D427,401 S	6/2000	Kunkler	2002/0026680 A1	3/2002	Kingry et al.
D428,226 S	7/2000	Kunkler	2002/0066163 A1	6/2002	Lomax
6,092,255 A	7/2000	Kim	2002/0073502 A1	6/2002	Gromnicki
D429,396 S	8/2000	Houry et al.	2002/0078520 A1	6/2002	Salmon
D429,862 S	8/2000	Houry et al.	2002/0083964 A1	7/2002	McKay
6,098,239 A	8/2000	Vosbikian	2002/0088091 A1	7/2002	Grote et al.
6,101,661 A	8/2000	Policicchio et al.	2002/0088092 A1	7/2002	Cavalheiro
6,115,877 A	9/2000	Morad et al.	2002/0116780 A1	8/2002	Young
6,115,878 A	9/2000	McLaughlin et al.	2002/0120997 A1	9/2002	Alt
6,119,298 A	9/2000	Kenmochi	2002/0144369 A1	10/2002	Biggs et al.
6,128,803 A	10/2000	Dickinson et al.	2002/0184726 A1	12/2002	Kingry et al.
6,141,820 A	11/2000	Schmiedhoff et al.	2003/0003831 A1	1/2003	Childs et al.
D434,911 S	12/2000	Lynch et al.	2003/0003832 A1	1/2003	Childs et al.
6,158,089 A	12/2000	Monahan et al.	2003/0009839 A1	1/2003	Streutker et al.
6,199,245 B1	3/2001	Blessing	2003/0024074 A1	2/2003	Hartman
6,202,250 B1	3/2001	Kenmochi et al.	2003/0028988 A1	2/2003	Streutker et al.
6,213,672 B1	4/2001	Varga	2003/0044569 A1	3/2003	Kacher et al.
6,237,182 B1	5/2001	Cassar	2003/0046782 A1	3/2003	Kresse et al.
6,243,909 B1	6/2001	Graham et al.	2003/0049407 A1	3/2003	Kacher et al.
6,254,305 B1	7/2001	Taylor	2003/0056315 A1	3/2003	Salmon
6,260,230 B1	7/2001	Hunt	2003/0074756 A1	4/2003	Policicchio et al.
6,260,238 B1	7/2001	MacMillan	2003/0084531 A1	5/2003	Dingert et al.
6,279,195 B1	8/2001	Biggs	2003/0106568 A1	6/2003	Keck et al.
6,298,517 B1	10/2001	McKay	2003/0121116 A1	7/2003	Keck et al.
6,305,046 B1	10/2001	Kingry et al.	2003/0126709 A1	7/2003	Policicchio et al.
6,311,368 B1	11/2001	Sartori	2003/0126710 A1	7/2003	Policicchio et al.
6,332,234 B1	12/2001	Graham et al.	2003/0135948 A1	7/2003	Holt et al.
6,339,979 B1	1/2002	Chiang	2003/0150478 A1	8/2003	Biggs
D455,878 S	4/2002	Debreczeni	2003/0167589 A1	9/2003	Dingert et al.
6,367,121 B1	4/2002	MacMillan	2003/0200631 A1	10/2003	Clarke
6,378,159 B1	4/2002	Garrison et al.	2004/0011382 A1	1/2004	Kingry et al.
6,389,638 B1	5/2002	Dickinson et al.	2004/0055099 A1	3/2004	Greenberg
D458,427 S	6/2002	Kunkler et al.	2004/0055102 A1 *	3/2004	Treacy et al. .... 15/228
D458,721 S	6/2002	Clarke	2004/0071490 A1	4/2004	Vosbikian et al.
D458,722 S *	6/2002	Romero et al. .... D32/52	2004/0074520 A1	4/2004	Truong et al.
6,397,427 B1	6/2002	Bryngelsson			
6,405,403 B1	6/2002	McKay			
6,412,138 B1	7/2002	MacMillan			
6,415,470 B1	7/2002	Ramrattan			
6,457,203 B1	10/2002	Williams et al.	CA	1109654 A	9/1981
6,461,074 B2	10/2002	Taylor	CA	1287955 C	8/1991
D465,890 S	11/2002	Rivera et al.	CA	2057085 A1	6/1992
6,484,346 B2	11/2002	Kingry et al.	CA	1306590 C	8/1992
			CA	1307629 C	9/1992

## FOREIGN PATENT DOCUMENTS

# US D549,414 S

CA	2050980	A1	10/1992	DE	100 49 334	A1	4/2002
CA	1315502	C	4/1993	DE	101 23 522	C1	8/2002
CA	2138144	A1	12/1993	DE	202 20 311	U1	7/2003
CA	2114992	A1	8/1994	DE	102 23 074	C1	8/2003
CA	2181683	A1	7/1995	DE	102 10 569	A1	9/2003
CA	2189433	A1	12/1995	DE	102 21 060	A1	11/2003
CA	2203692	A1	4/1997	DE	297 24 799	U1	4/2004
CA	2201432	A1	10/1997	EM	000015847-0002	*	4/2003
CA	2262263		2/1998	EM	000139613-0001	*	2/2004
CA	2238091	A1	5/1998	EM	000139613-0002	*	2/2004
CA	2252819	A1	10/1998	EM	000139613-0003	*	2/2004
CA	2265139	A1	3/1999	EP	0 122 675	A1	10/1984
CA	2272405	A1	5/1999	EP	0 168 681	B1	1/1986
CA	2 376 800	A1	12/1999	EP	0 254 507	A1	1/1988
CA	2193045	C	12/1999	EP	0 299 298	A1	1/1989
CA	2 349 726	A1	5/2000	EP	0 625 329	A1	11/1994
CA	2170154	C	11/2000	EP	0 697 269	A2	2/1996
CA	2 377 579	A1	1/2001	EP	0 702 927	A1	3/1996
CA	2 380 369	A1	2/2001	EP	0 781 524	A	7/1997
CA	2 384 137	A1	4/2001	EP	0 782 835	A2	7/1997
CA	2 384 857	A1	4/2001	EP	0 783 866	A2	7/1997
CA	2 332 554	A1	8/2001	EP	568 110	B1	9/1997
CA	2 154 839	C	10/2001	EP	0 808 601	A2	11/1997
CA	2 342 010	A1	11/2001	EP	0 898 927	A1	3/1999
CA	2 413 519	A1	1/2002	EP	0 981 993	A2	3/2000
CA	2 353 287	A1	2/2002	EP	1 123 683	A2	8/2001
CA	2 426 042	A1	5/2002	EP	1 138 246	A2	10/2001
CA	2 426 546	A1	5/2002	EP	1 157 653	A2	11/2001
CA	2 426 628	A1	5/2002	EP	1 162 122	A2	12/2001
CA	2 209 147	C	8/2002	EP	1 177 863	A2	2/2002
CA	2 448 393	A1	1/2003	EP	1 181 887	A2	2/2002
CA	2 411 221	A1	5/2003	EP	1 234 537	A2	8/2002
CA	2 266 783	C	1/2004	EP	1 234 538	A2	8/2002
CA	2 284 654	C	1/2004	EP	1 262 139	A	12/2002
CA	2 266 541	C	3/2004	EP	1 380 248	A2	1/2004
CA	2 282 149	C	3/2004	FR	786.764		9/1935
CA	2215574	C	3/2004	FR	1.084.131		1/1955
CA	2 300 393	C	5/2004	FR	1.347.916		11/1963
CA	2 193 044	C	12/2004	FR	2 354 743		1/1978
DE	597 084		5/1934	FR	2 495 530		6/1982
DE	815036		9/1951	FR	2 769 204	A1	4/1999
DE	1 703 505		5/1968	GB	660499		11/1951
DE	1 503 872		7/1969	GB	820753	A	9/1959
DE	34 11 858	A1	8/1985	GB	945831		1/1964
DE	9000477	U1	1/1990	GB	1 501 316		2/1978
DE	41 09 142	A1	9/1992	GB	1 562 009		3/1980
DE	9301615	U1	2/1993	GB	2 197 185	A	5/1988
DE	9307679	U1	9/1993	GB	2 319 742	A	6/1998
DE	43 29 848	A1	3/1994	GB	2 331 694	A	6/1999
DE	940885	U1	10/1994	GB	2 372 430	A	8/2002
DE	9410791	U1	10/1994	GB	2 372 437	A	8/2002
DE	9411092	U1	10/1994	LU	88 755		10/1996
DE	43 18 792	A1	12/1994	NL	6903297		9/1970
DE	9415002	U1	12/1994	PL	183974	B1	11/1997
DE	94 16 565	U1	1/1995	SE	470 475	B	5/1994
DE	94 21 373	U1	12/1995	SE	502 450	C2	10/1995
DE	195 21 341	A1	12/1996	WO	WO89/12419	A1	12/1989
DE	195 29 780	A1	2/1997	WO	WO92/14064	A1	8/1992
DE	9311098	U1	2/1997	WO	WO92/18046	A1	10/1992
DE	296 20 863	U1	3/1997	WO	WO92/19142	A1	11/1992
DE	196 20 663	A1	11/1997	WO	WO93/26148	A1	12/1993
DE	197 36 735	A1	2/1999	WO	WO95/07044	A1	3/1995
DE	298 18 942	U1	2/1999	WO	WO95/20107	A1	7/1995
DE	198 03 595	A1	8/1999	WO	WO95/32661	A1	12/1995
DE	198 27 865	A1	1/2000	WO	WO97/01420	A1	1/1997
DE	199 08 259	A1	8/2000	WO	WO97/10742	A1	3/1997
DE	100 20 366	A1	6/2001	WO	WO97/18744	A1	5/1997
DE	100 08 331	A1	9/2001	WO	WO97/33510	A1	9/1997
DE	100 13 308	C1	9/2001	WO	WO97/35510	A1	10/1997
DE	100 19 211	A1	9/2001	WO	WO98/06316	A1	2/1998
DE	201 06 432	U1	9/2001	WO	WO98/11812	A1	3/1998
DE	201 17 581	U1	2/2002	WO	WO98/11813	A1	3/1998
DE	202 07 465	U1	2/2002	WO	WO98/12023	A1	3/1998



# US D549,414 S

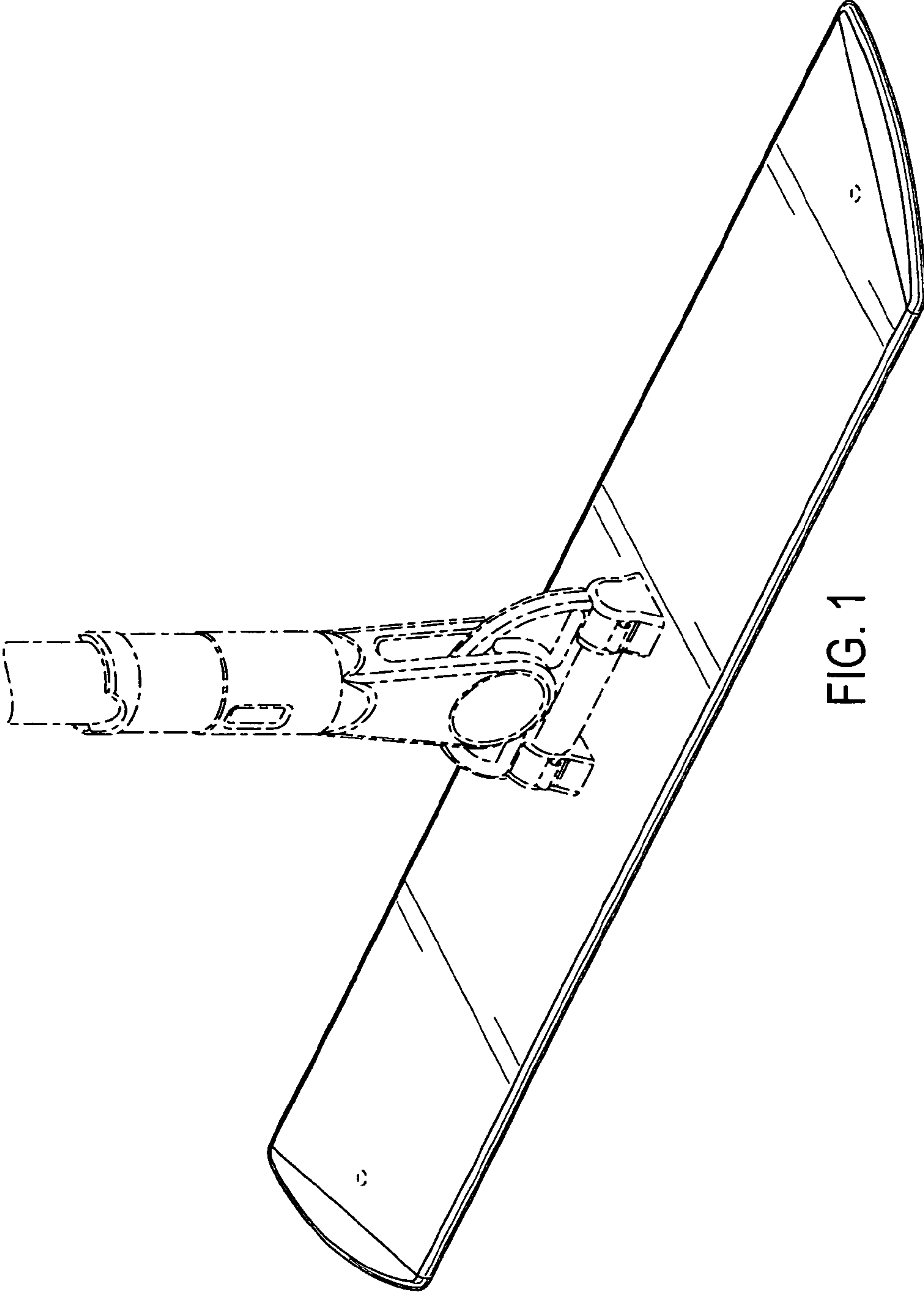
Page 5

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WO WO98/23199 A1 6/1998  
WO WO98/36676 A1 8/1998  
WO WO98/42246 A1 10/1998  
WO WO99/07523 A1 2/1999  
WO WO99/11171 A1 3/1999  
WO DM/049824 \* 11/1999  
WO WO99/63879 A1 12/1999  
WO WO99/66825 A1 12/1999  
WO WO 00/27271 A2 5/2000  
WO WO 00/69321 A 11/2000  
WO WO 01/06137 A1 1/2001  
WO WO 01/22860 A1 4/2001  
WO WO 01/22861 A2 4/2001

WO WO 01/39653 A1 6/2001  
WO WO 01/45547 A1 6/2001  
WO WO 01/54867 A1 8/2001  
WO WO 01/67941 A1 9/2001  
WO WO 01/67942 A1 9/2001  
WO WO 02/00085 A2 1/2002  
WO WO 02/083370 A1 10/2002  
WO WO 03/075737 A2 9/2003  
WO WO 03/092965 A2 11/2003  
WO WO 03/099095 A1 12/2003

\* cited by examiner



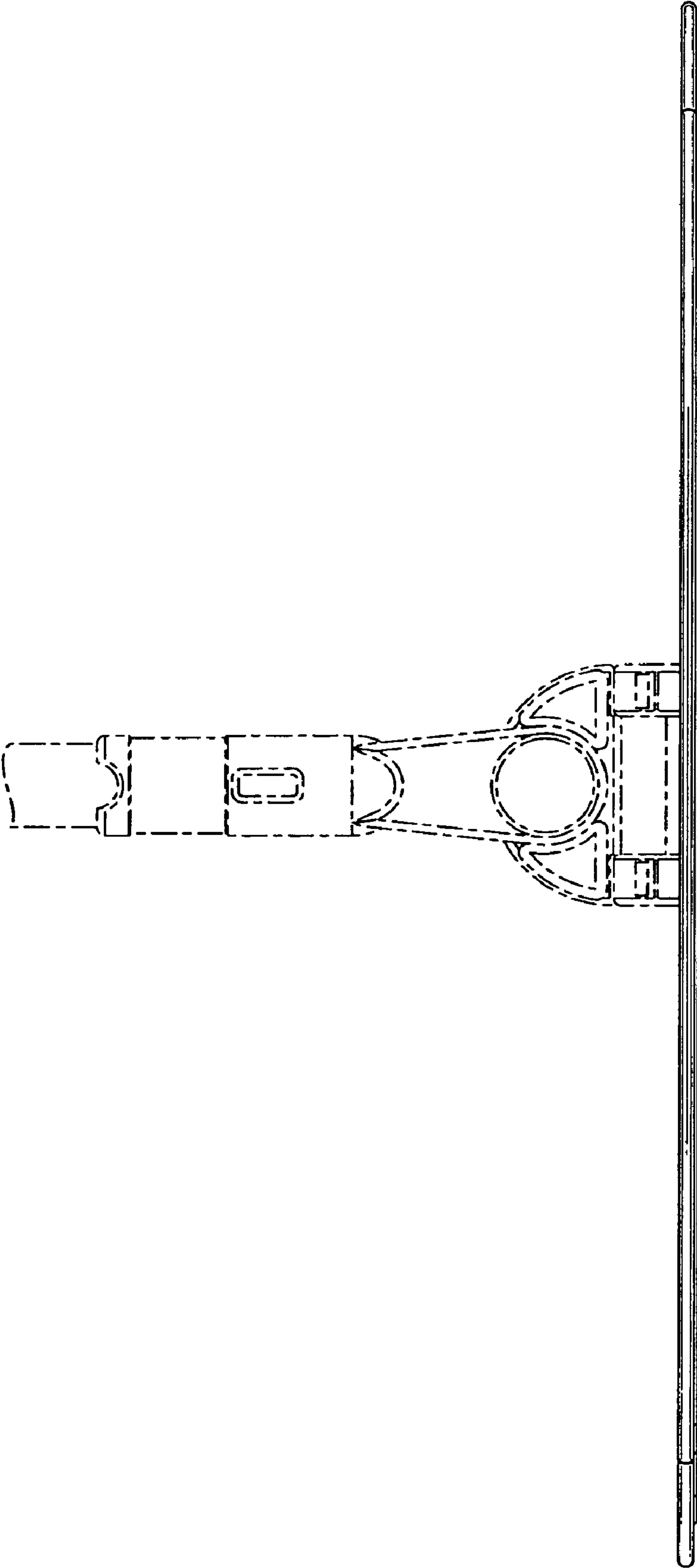


FIG. 2

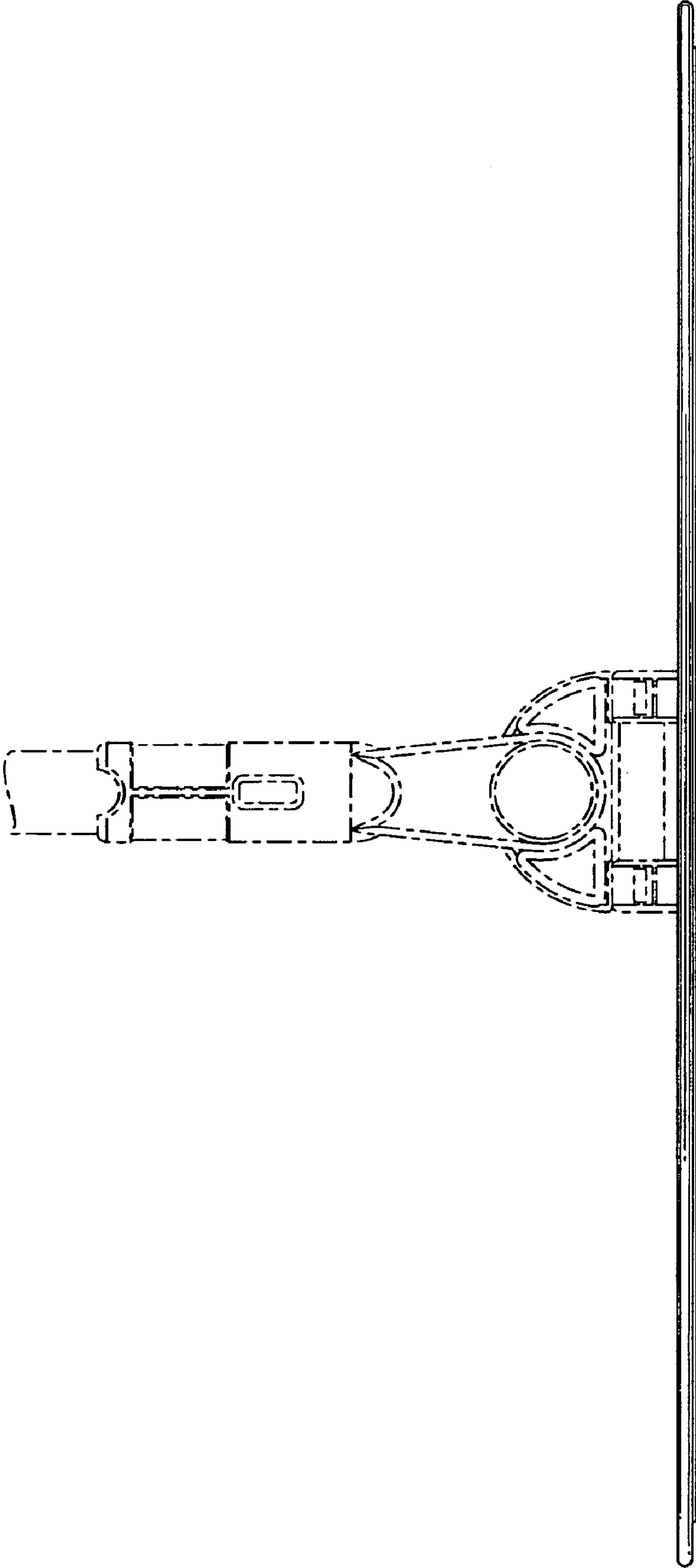


FIG. 3



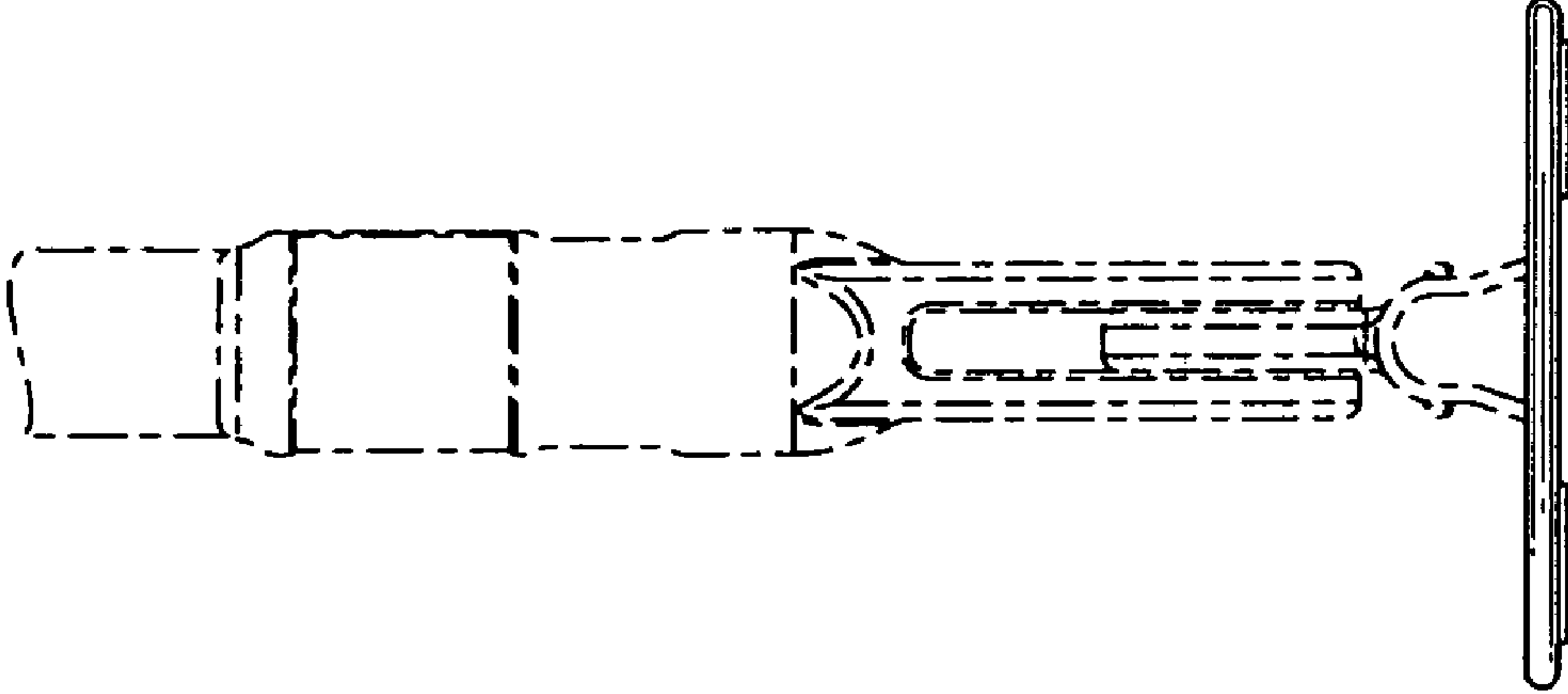


FIG. 5

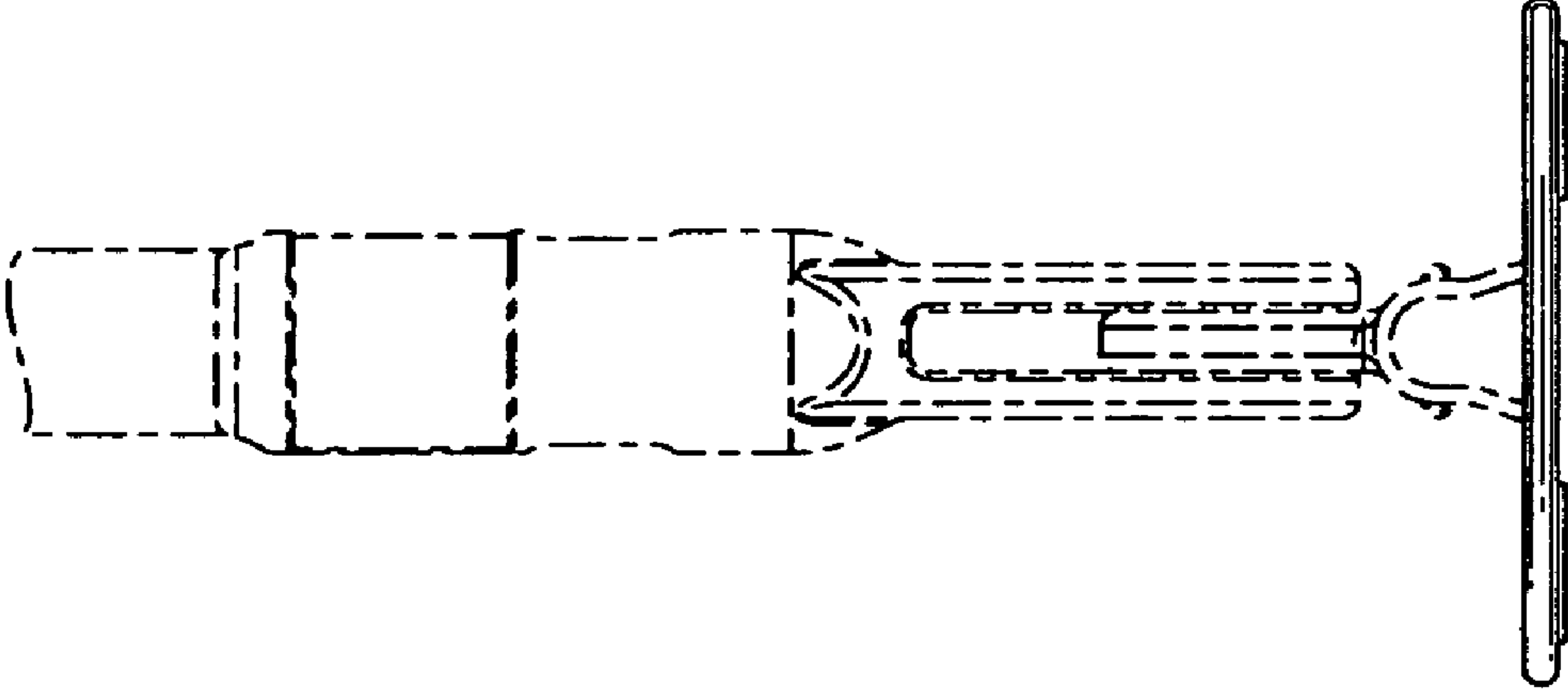


FIG. 4

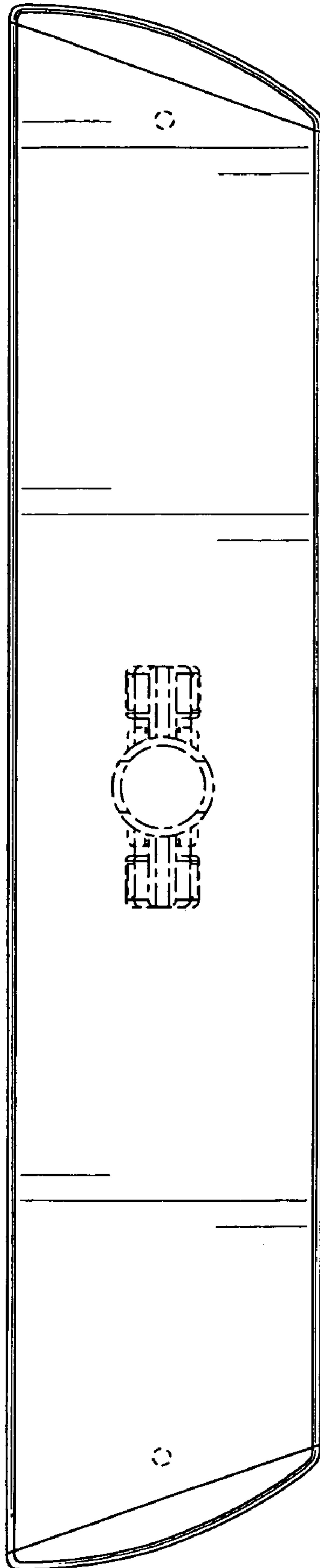


FIG. 6

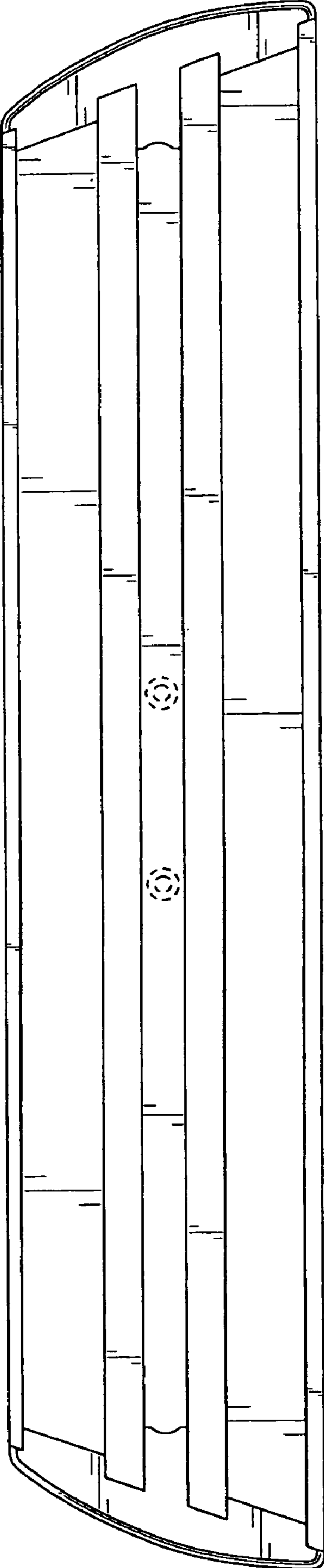


FIG. 7