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Caffin et al.

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(54) **HINGE**
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(73) Assignee: **D&D Group Pty Ltd.**, Frenchs Forest, NSW (AU)

2,218,183 A 10/1940 Springer
2,219,186 A 10/1940 Hornfeck
2,288,688 A 7/1942 Dubilier
2,313,712 A 3/1943 Jacobi
D139,227 S * 10/1944 Greiling D8/323
2,370,691 A 3/1945 Schlage

(Continued)

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

FOREIGN PATENT DOCUMENTS

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AU 29217-30 9/1931

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(51) **LOC (9) Cl.** **08-06**

Primary Examiner — Cynthia Underwood

(52) **U.S. Cl.** **D8/323**

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(58) **Field of Classification Search** D8/323,
D8/327, 328, 329, 330, 336, 353; D23/303;
4/236, 240; 16/225, 250, 682, 309, 235,
16/275, 244, 379, 390, 430, 241, 238, 245,
16/236, 243, 242, 385

(57) **CLAIM**

The ornamental design for a hinge, as shown and described.

See application file for complete search history.

DESCRIPTION

(56) **References Cited**

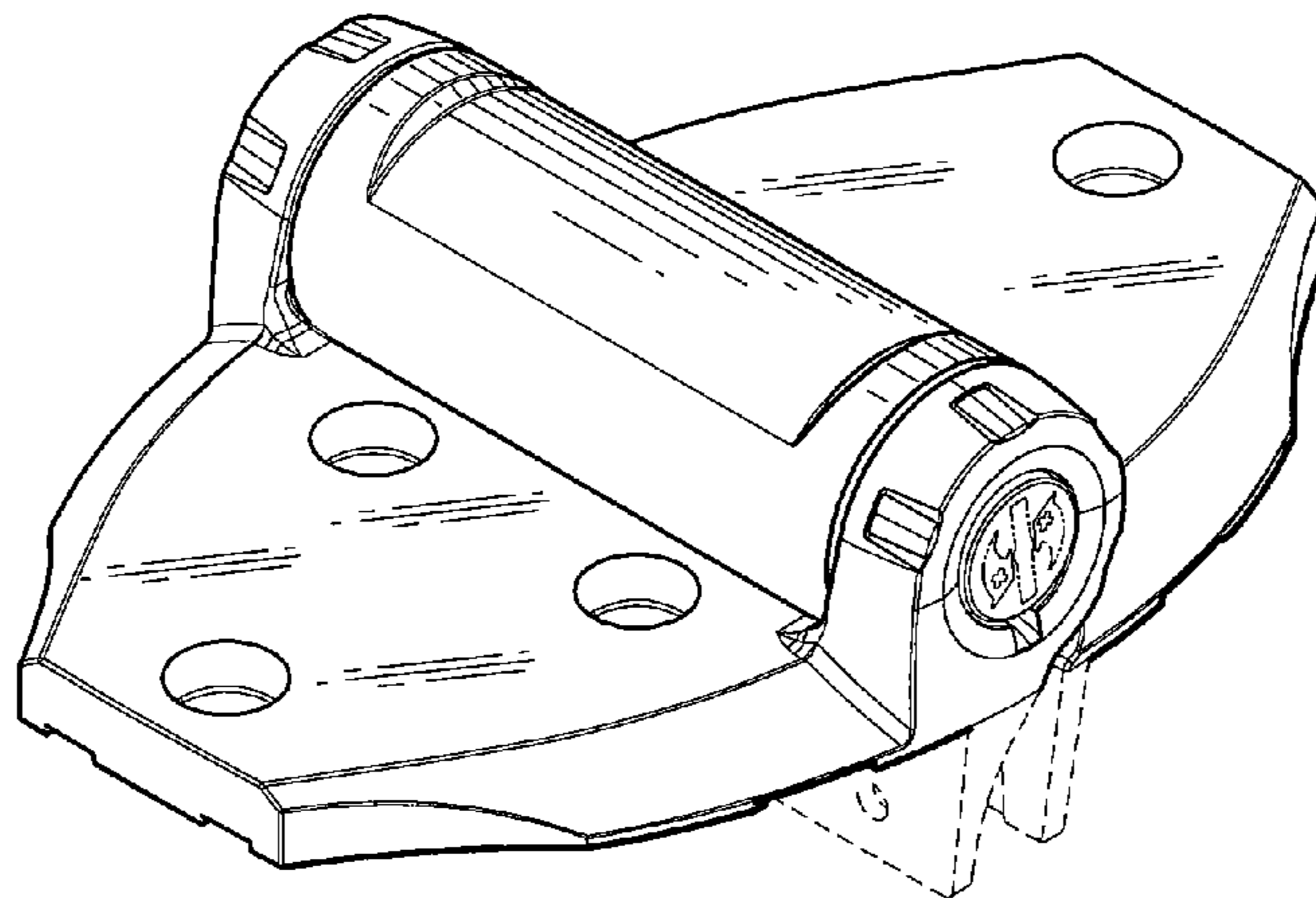
U.S. PATENT DOCUMENTS

17,354 A	5/1857	Smith	
29,212 A	7/1860	Acker	
137,951 A	4/1873	Palmer	
RE5,932 E	6/1874	Acker	
204,267 A	5/1878	Unger	
329,032 A	10/1885	Falls	
391,433 A	10/1888	Stover	
631,797 A	8/1899	Krause	
D32,818 S	6/1900	Greenawalt	
754,690 A	3/1904	Pelzer	
776,153 A	11/1904	Swacick	
887,548 A	5/1908	Trumble	
926,520 A	6/1909	Thornton et al.	
971,281 A	9/1910	Keene et al.	
1,185,503 A	5/1916	Harsh	
1,530,341 A	3/1925	Bannochie	
1,538,056 A	5/1925	Olson	
1,586,615 A	6/1926	Elliott	
1,789,775 A	1/1931	Russ et al.	
1,832,902 A *	11/1931	Holbrook 16/392	
1,883,506 A	10/1932	Bommer	
1,892,584 A	12/1932	Olson	
1,958,940 A	5/1934	Cavanaugh et al.	
2,058,163 A	10/1936	Malone	
2,203,197 A	6/1940	Henry	

FIG. 1 is a front elevation view showing a first embodiment of our new design;
FIG. 2 is a rear elevation view of a first embodiment of our new design;
FIG. 3 is a front view thereof;
FIG. 4 is left side view thereof;
FIG. 5 is a right side view thereof;
FIG. 6 is a rear view thereof;
FIG. 7 is a top end view thereof;
FIG. 8 is a bottom end view thereof;
FIG. 9 is a front elevation view of a second embodiment of our new design;
FIG. 10 is a rear elevation view of a second embodiment of our new design;
FIG. 11 is a front view thereof;
FIG. 12 is a left side view thereof;
FIG. 13 is a right side view thereof;
FIG. 14 is a rear view thereof;
FIG. 15 is a top end view thereof; and,
FIG. 16 is a bottom end view thereof.

The broken lines showing details in the Figures are included for the purpose of showing environmental context of the design, and form no part of the claimed design.

1 Claim, 8 Drawing Sheets



US D661,173 S

U.S. PATENT DOCUMENTS

2,514,927 A 7/1950 Bernhard
 2,586,900 A 2/1952 Alderman
 2,597,174 A 5/1952 Patton et al.
 2,615,744 A 10/1952 Colonna
 2,690,349 A 9/1954 Teetor
 2,726,891 A 12/1955 Gresham et al.
 2,767,007 A 10/1956 Burke
 2,797,655 A 7/1957 Morehouse
 2,839,912 A 6/1958 Corbin et al.
 D183,261 S * 7/1958 Mink D8/327
 2,942,907 A 6/1960 Nagel et al.
 2,953,916 A 9/1960 Thomas
 2,988,389 A 6/1961 Wilson
 3,040,555 A 6/1962 Wartian
 3,046,776 A 7/1962 Marotto et al.
 3,098,258 A 7/1963 Ruiz
 3,107,113 A 10/1963 Sconzo
 3,111,021 A 11/1963 Patriquin et al.
 3,115,026 A 12/1963 Moore et al.
 3,161,036 A 12/1964 Himes
 3,273,925 A 9/1966 Graham
 3,314,707 A 4/1967 Van Donselaar
 3,316,582 A 5/1967 Johnson et al.
 3,334,936 A 8/1967 Hekelaar et al.
 3,350,127 A 10/1967 Hekelaar
 3,380,109 A 4/1968 Ruiz
 D212,861 S 12/1968 Raymond
 3,433,518 A 3/1969 Foltz
 3,516,701 A 6/1970 Graham
 3,538,538 A 11/1970 Field
 3,591,219 A 7/1971 Graziosi
 3,593,547 A 7/1971 Taylor
 3,677,591 A 7/1972 Waldo
 3,691,799 A 9/1972 Hoffmann et al.
 3,705,505 A 12/1972 Landow et al.
 3,778,866 A 12/1973 Nakanishi
 3,785,186 A 1/1974 James et al.
 3,794,366 A 2/1974 Graham
 3,825,973 A 7/1974 Gwozdz
 3,881,331 A 5/1975 Tranberg et al.
 3,890,813 A 6/1975 Cothron
 3,903,567 A 9/1975 Suska
 3,965,533 A 6/1976 Fröhlich
 3,978,551 A 9/1976 Mochizuki
 4,014,192 A 3/1977 Dillon et al.
 4,025,095 A 5/1977 Hausladen
 4,069,545 A 1/1978 Holet et al.
 4,073,038 A 2/1978 Curry et al.
 4,073,520 A 2/1978 Tsuchiya et al.
 4,118,055 A 10/1978 Bischoff, Jr.
 4,339,845 A 7/1982 Newlon et al.
 4,378,684 A 4/1983 Dugan et al.
 4,414,828 A 11/1983 Takinami et al.
 4,583,262 A 4/1986 Werner
 4,691,541 A 9/1987 McQuade, Sr. et al.
 4,732,418 A 3/1988 Crown et al.
 4,751,765 A 6/1988 Wu
 4,817,242 A 4/1989 Rapp
 D301,116 S 5/1989 Foshee et al.
 4,838,053 A 6/1989 Shen
 4,848,812 A 7/1989 Slaughter
 4,919,463 A 4/1990 McQuade
 4,921,289 A 5/1990 Shen
 4,938,508 A 7/1990 Thomas
 4,962,567 A 10/1990 Dixon
 5,018,920 A 5/1991 Speakman
 5,024,473 A 6/1991 McQuade
 5,029,912 A 7/1991 Gotanda
 5,031,270 A 7/1991 Lee
 5,063,764 A 11/1991 Amis et al.
 5,103,658 A 4/1992 McQuade
 5,149,155 A 9/1992 Caeti et al.
 5,177,987 A 1/1993 Shen
 D335,718 S 5/1993 Maglica et al.
 5,265,924 A 11/1993 Kim

D342,952 S 1/1994 Yoder
 5,356,095 A 10/1994 Aker
 5,358,292 A 10/1994 Van Wiebe et al.
 5,362,116 A 11/1994 Doyle et al.
 5,526,659 A 6/1996 Takimoto
 D371,503 S 7/1996 Nakano
 5,572,768 A 11/1996 Daul
 D376,971 S * 12/1996 Schutz D8/327
 5,584,100 A 12/1996 Doyle et al.
 5,655,801 A 8/1997 Casey
 D385,475 S * 10/1997 Bolinas et al. D8/328
 5,715,574 A 2/1998 Schall
 D401,134 S * 11/1998 Finkelstein D8/329
 5,876,073 A 3/1999 Geringer et al.
 6,058,747 A 5/2000 Doyle et al.
 D436,515 S * 1/2001 Sonntag D8/328
 6,174,005 B1 1/2001 Norton
 D443,196 S 6/2001 Sosa
 6,264,255 B1 7/2001 Fortune
 6,327,879 B1 12/2001 Malsom
 6,347,819 B1 2/2002 Plaxco
 6,364,383 B1 4/2002 Shen
 D457,113 S 5/2002 Zapushek et al.
 6,460,220 B1 10/2002 Jackson
 6,513,351 B2 2/2003 Clark
 D484,389 S 12/2003 Evans
 6,732,408 B2 5/2004 Wu
 6,733,049 B2 5/2004 Piorowski et al.
 6,733,050 B1 5/2004 Yao
 D495,235 S 8/2004 Burrows
 D502,859 S 3/2005 Peng et al.
 6,869,115 B2 3/2005 Shen
 6,898,953 B1 5/2005 Paprocki et al.
 6,905,152 B1 6/2005 Hudson
 7,044,511 B2 5/2006 Kliefoth et al.
 D533,433 S * 12/2006 Loggen D8/329
 7,201,030 B2 4/2007 Timothy
 D543,830 S 6/2007 Frank et al.
 7,240,400 B2 7/2007 Bonham
 D548,044 S 8/2007 Tang
 D550,061 S 9/2007 Tang
 D552,448 S 10/2007 Tang
 7,296,448 B1 11/2007 Shaw
 D557,586 S 12/2007 Shire et al.
 D565,386 S * 4/2008 Bladen et al. D8/323
 D595,569 S 7/2009 Darling, III
 D601,403 S 10/2009 Cosby et al.
 D605,493 S 12/2009 Tejszerski
 D621,683 S * 8/2010 Mullenix D8/323
 D622,576 S * 8/2010 Farkas et al. D8/328
 D635,433 S * 4/2011 Le D8/327
 2004/0093689 A1 5/2004 Sosa et al.
 2007/0007773 A1 1/2007 Berkseth et al.
 2008/0016923 A1 1/2008 Zheng

FOREIGN PATENT DOCUMENTS

AU 138996 4/1948
 AU 245874 5/1963
 DE 1961736 6/1971
 DE 3205224 8/1983
 DE 3313220 10/1984
 DE 3605826 8/1987
 FR 1180547 6/1959
 FR 2405347 5/1979
 GB 693564 7/1953
 GB 759211 10/1956
 GB 1108996 4/1968
 GB 1382227 1/1975
 GB 2006892 5/1990
 GB 2010086 10/1990
 JP 1-198983 8/1989
 JP 3-172482 7/1991
 JP 3212589 9/1991
 JP 8210001 8/1996
 WO 92/03631 3/1992

* cited by examiner

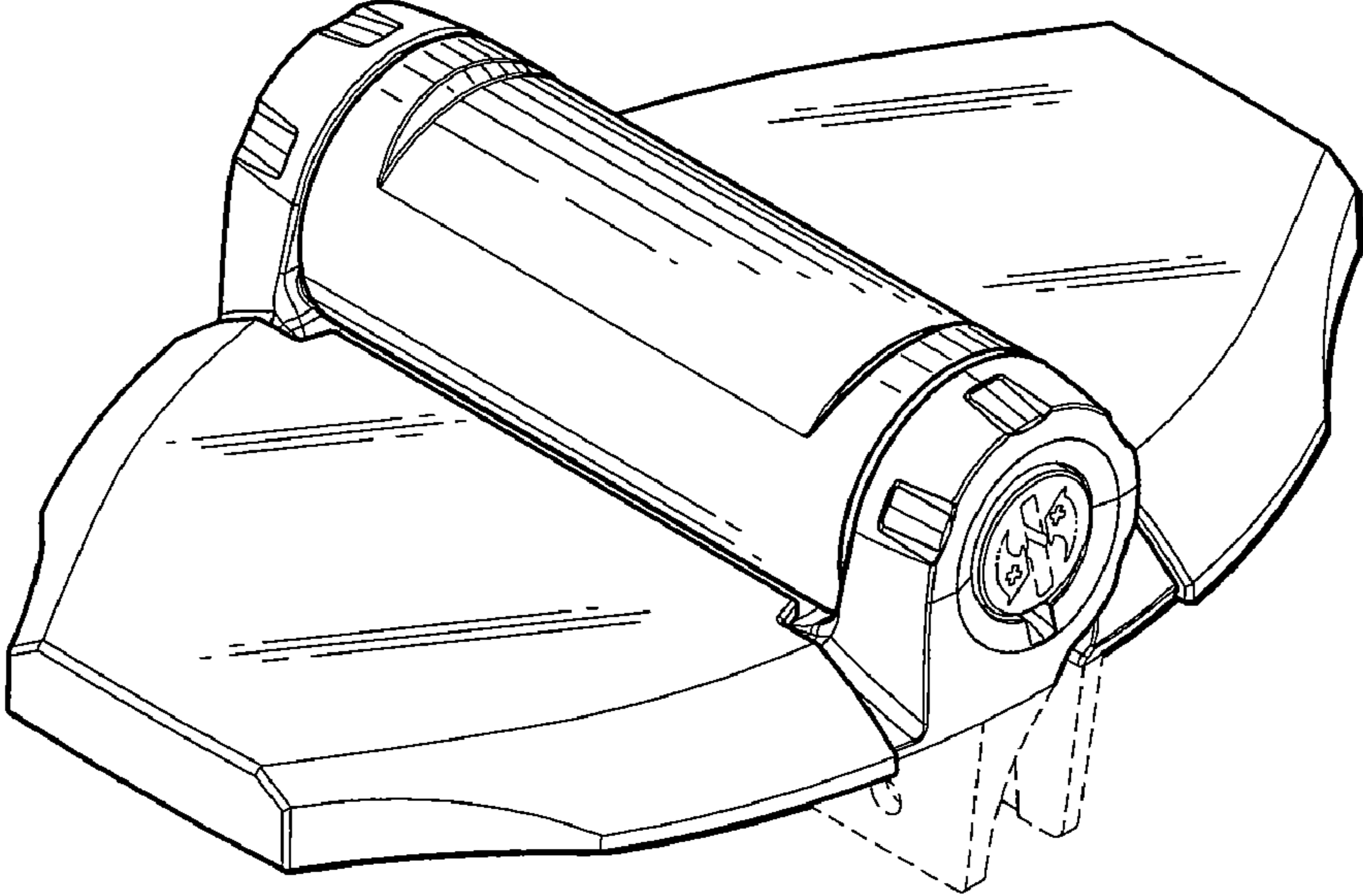


FIG. 1

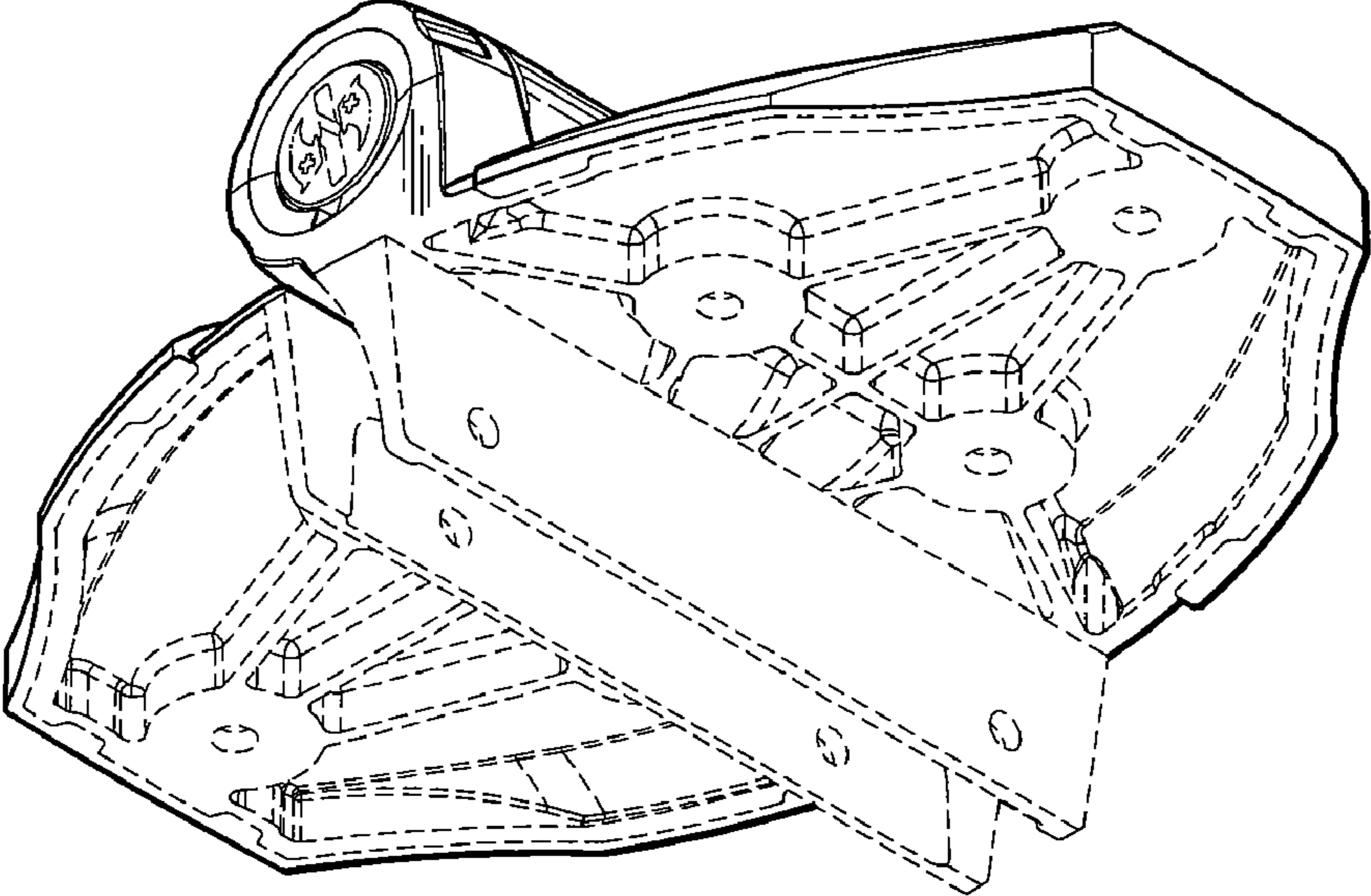


FIG. 2

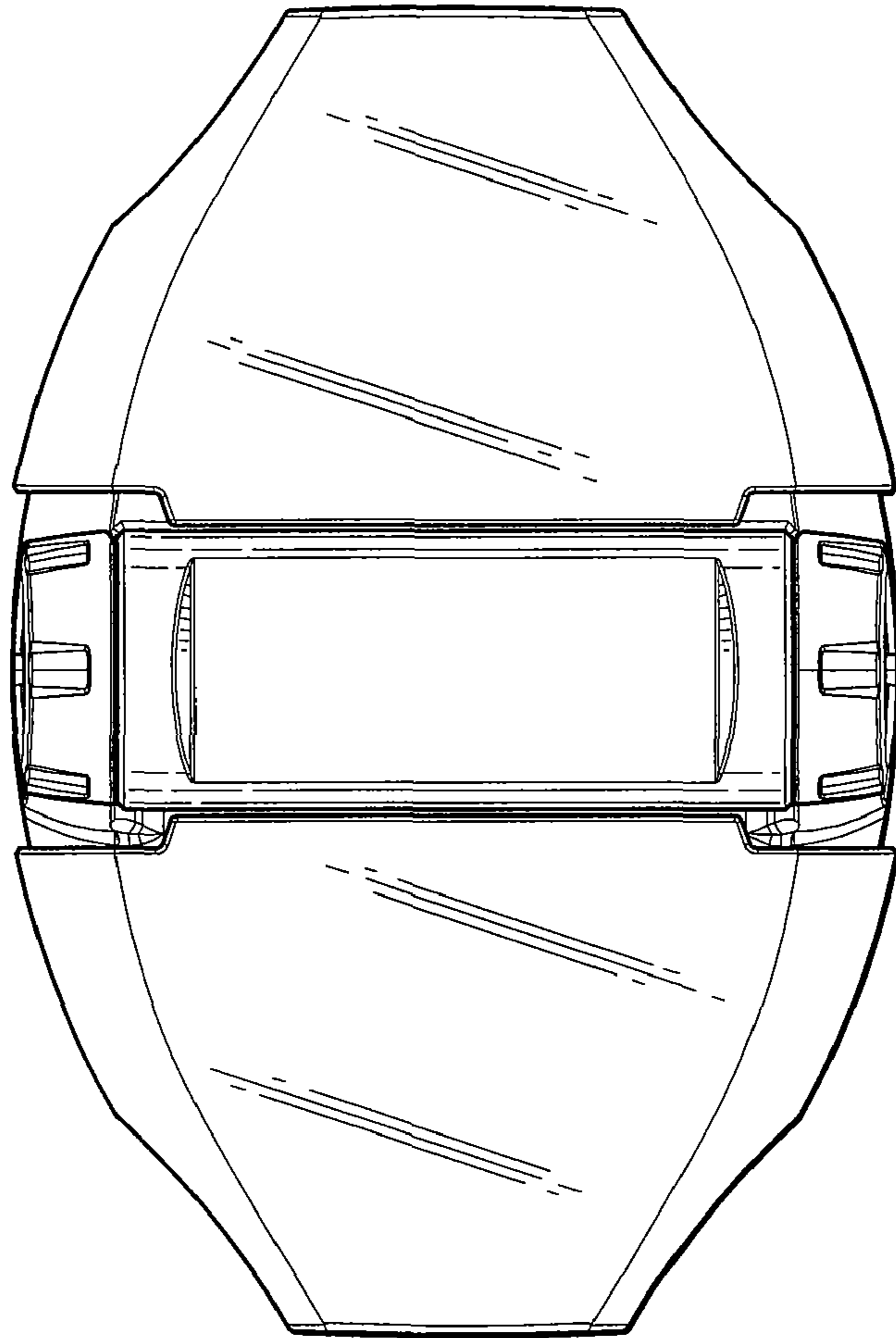


FIG. 3

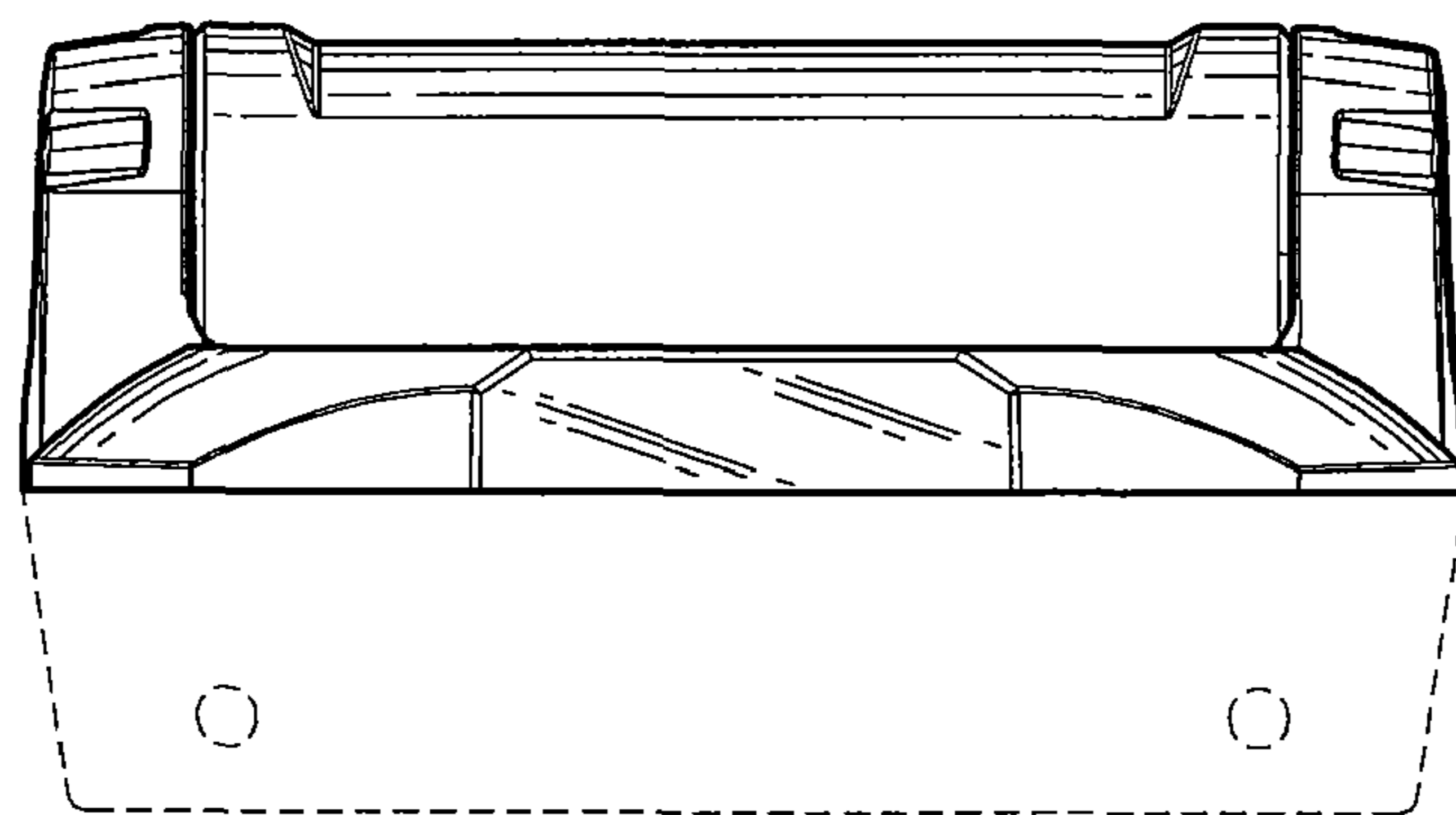


FIG. 4

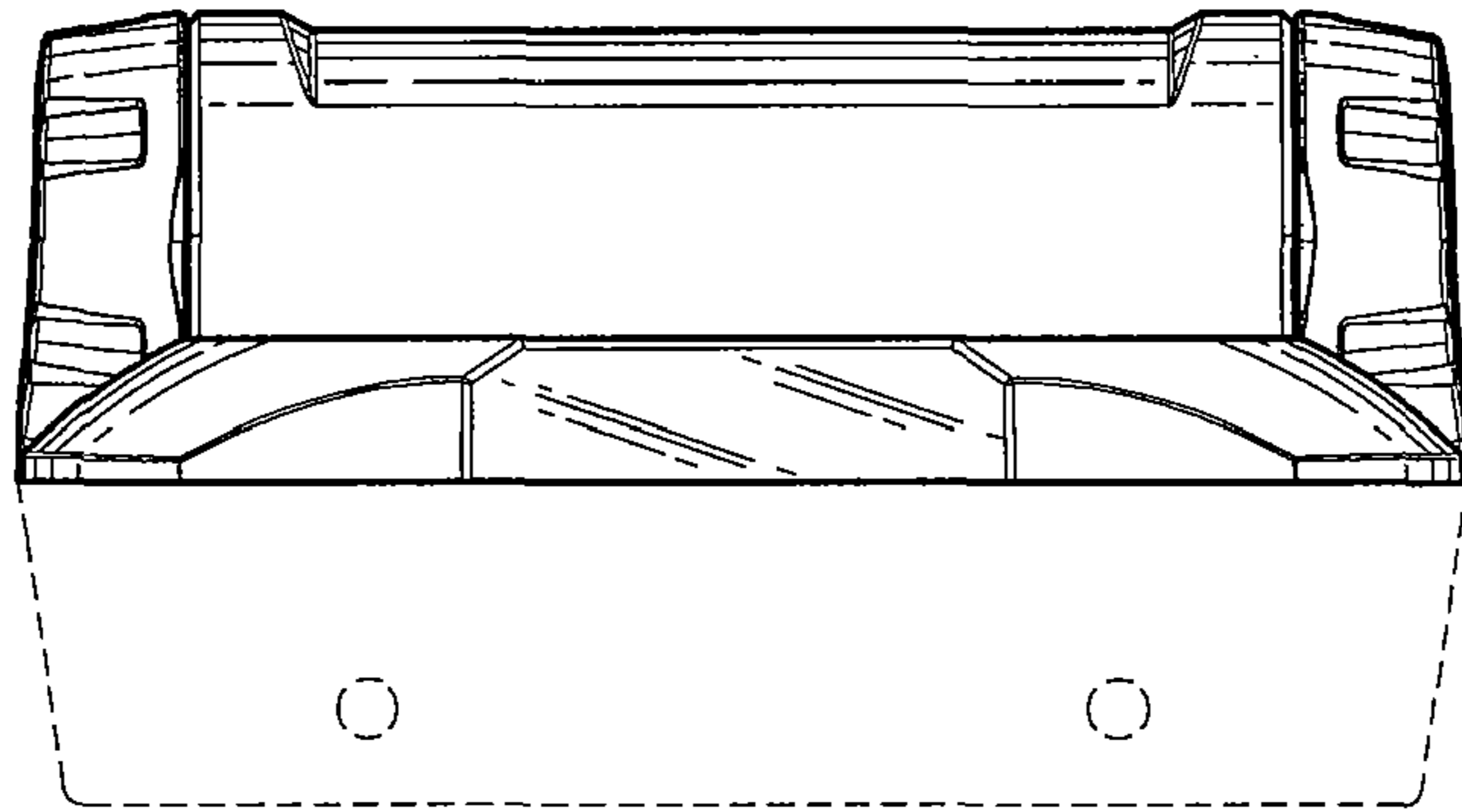


FIG. 5

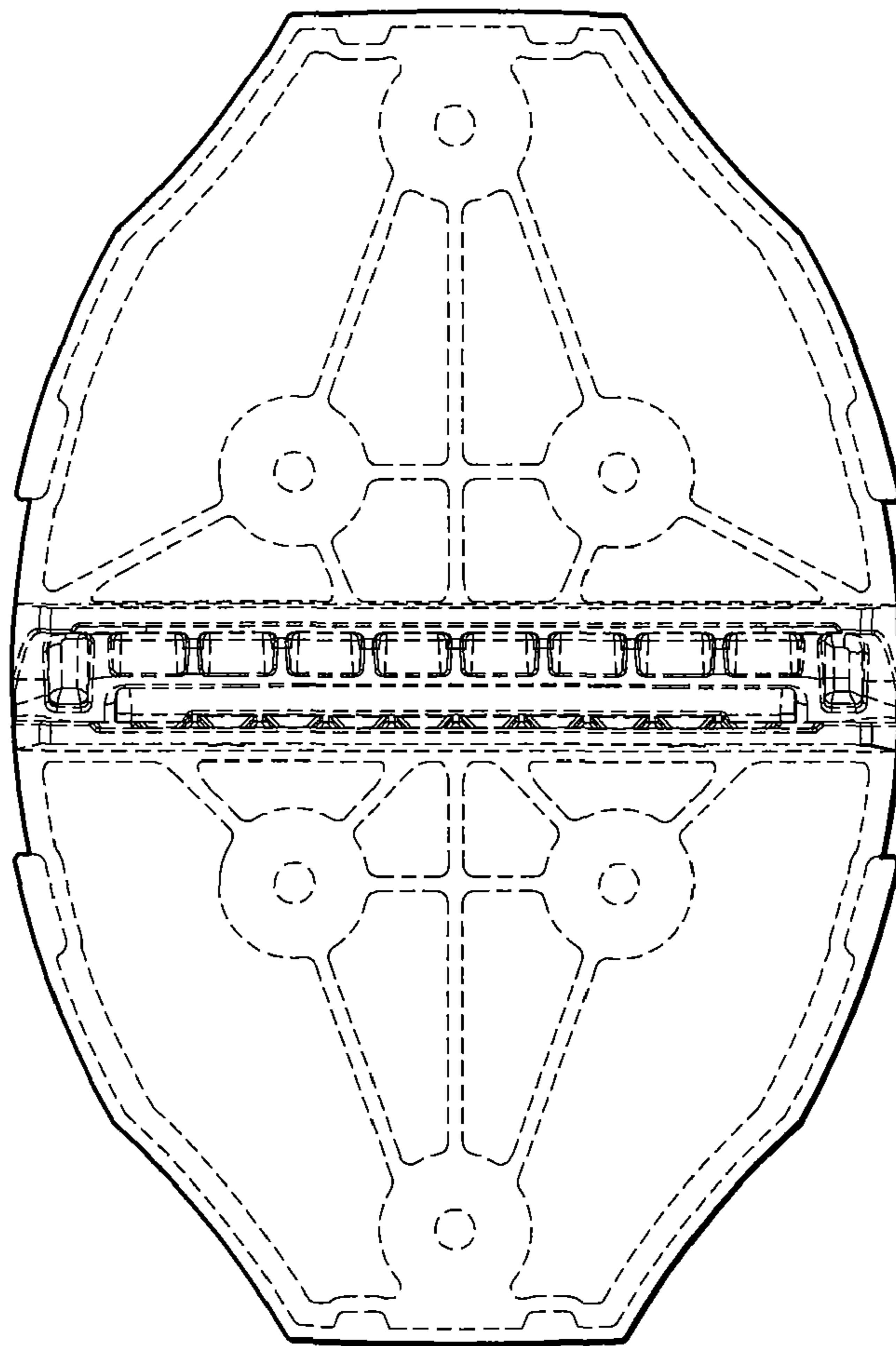


FIG. 6

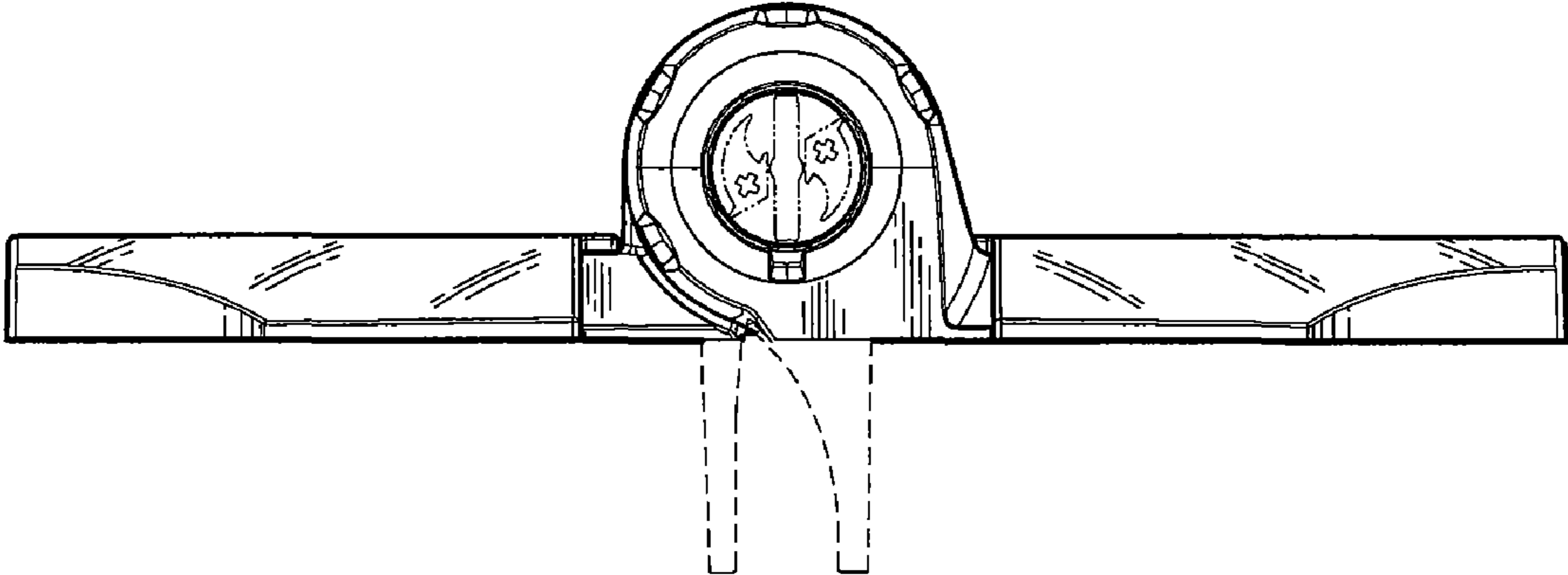


FIG. 7

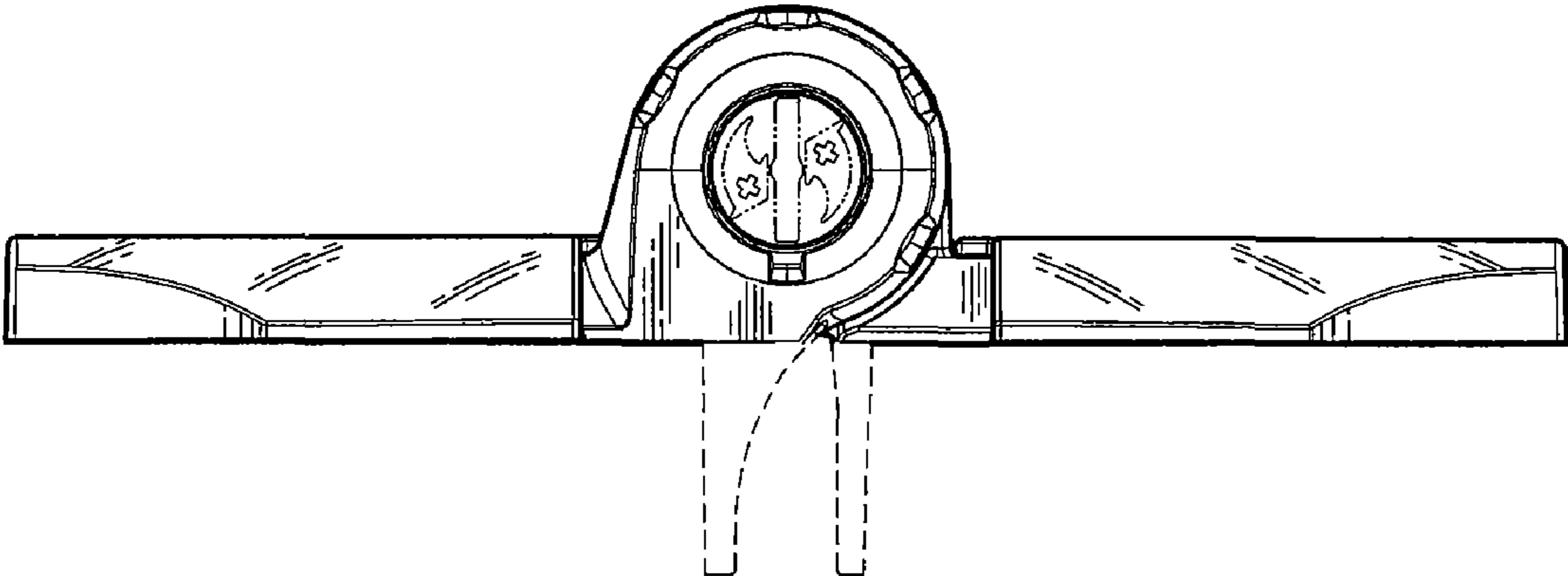


FIG. 8

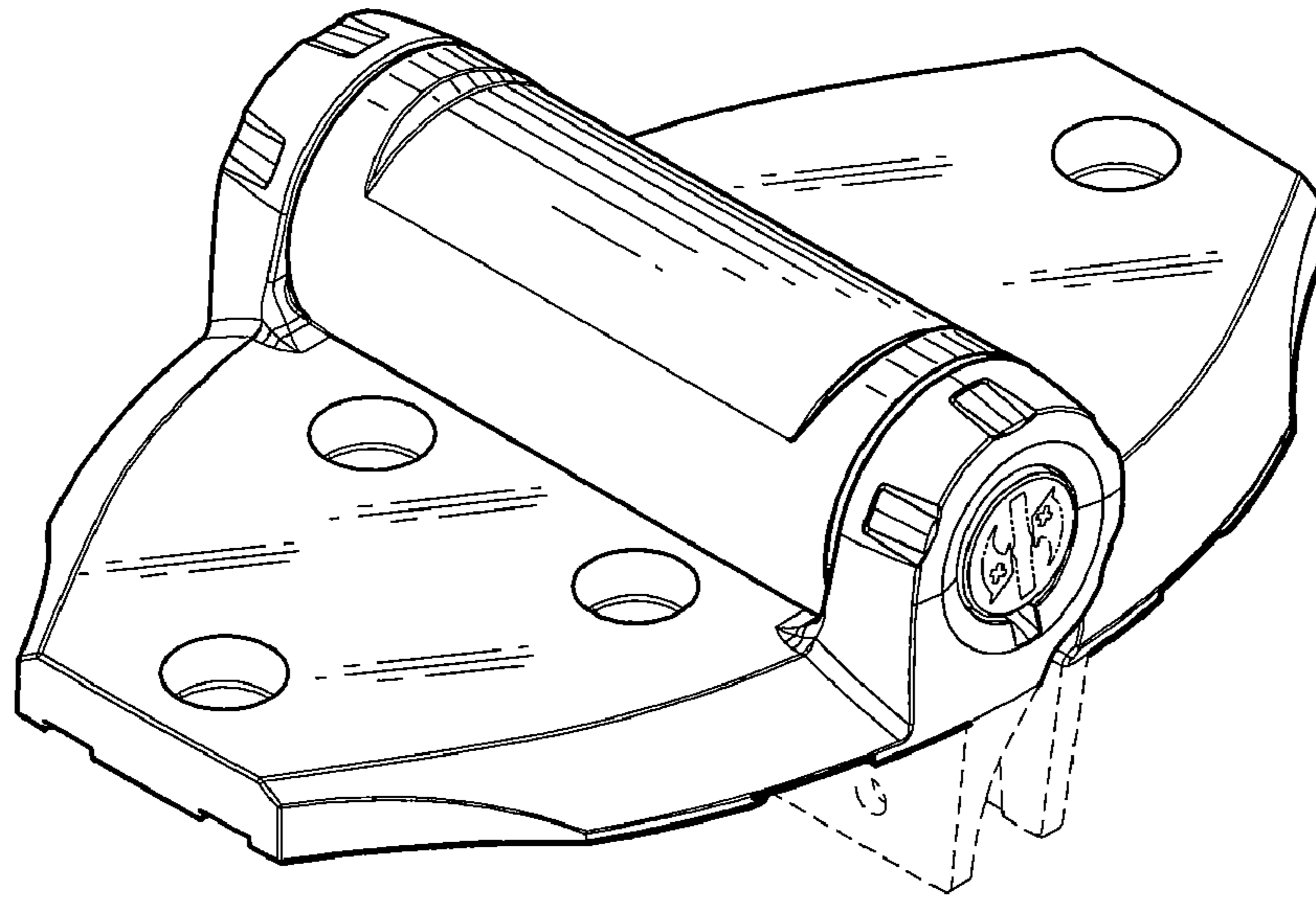


FIG. 9

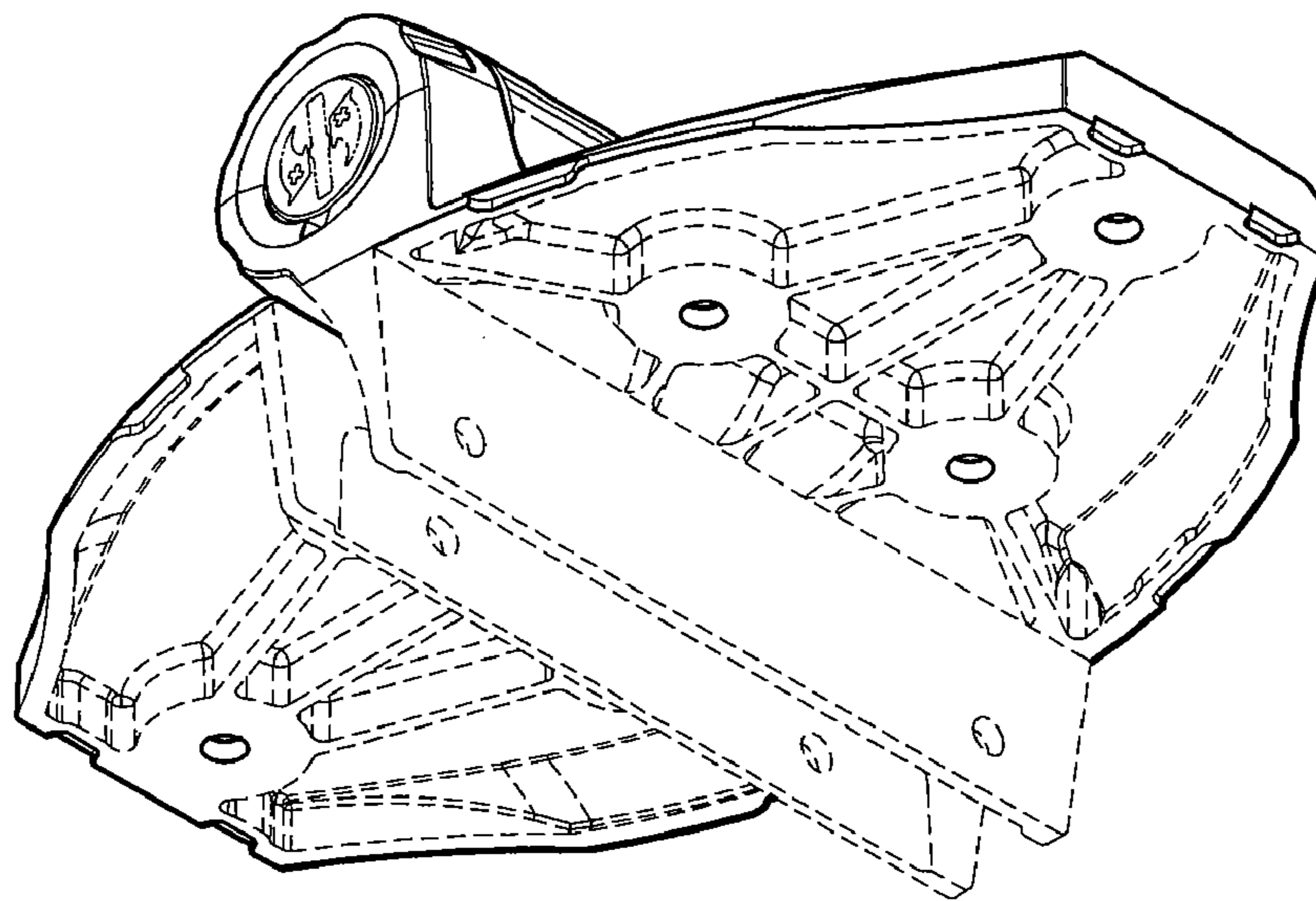


FIG. 10

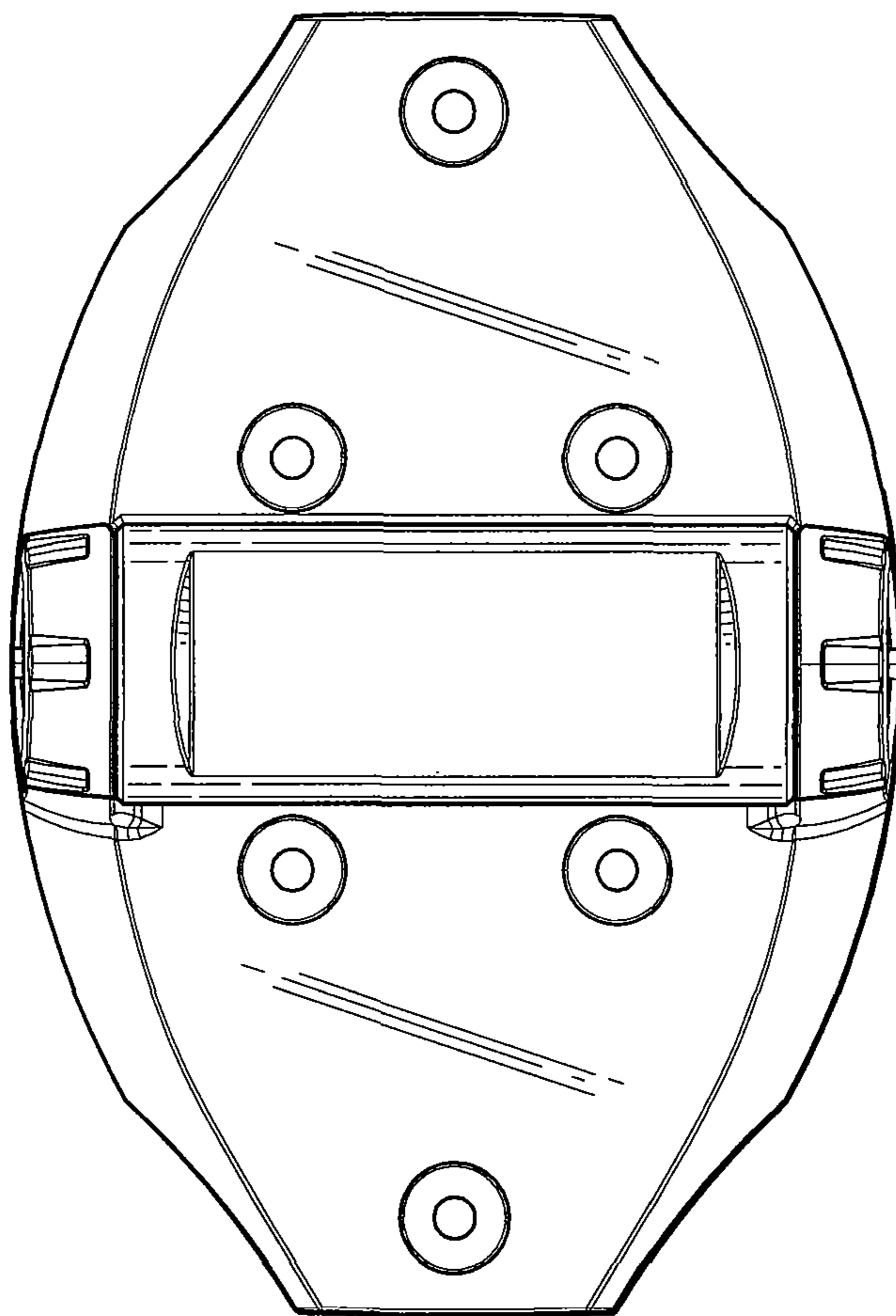


FIG. 11

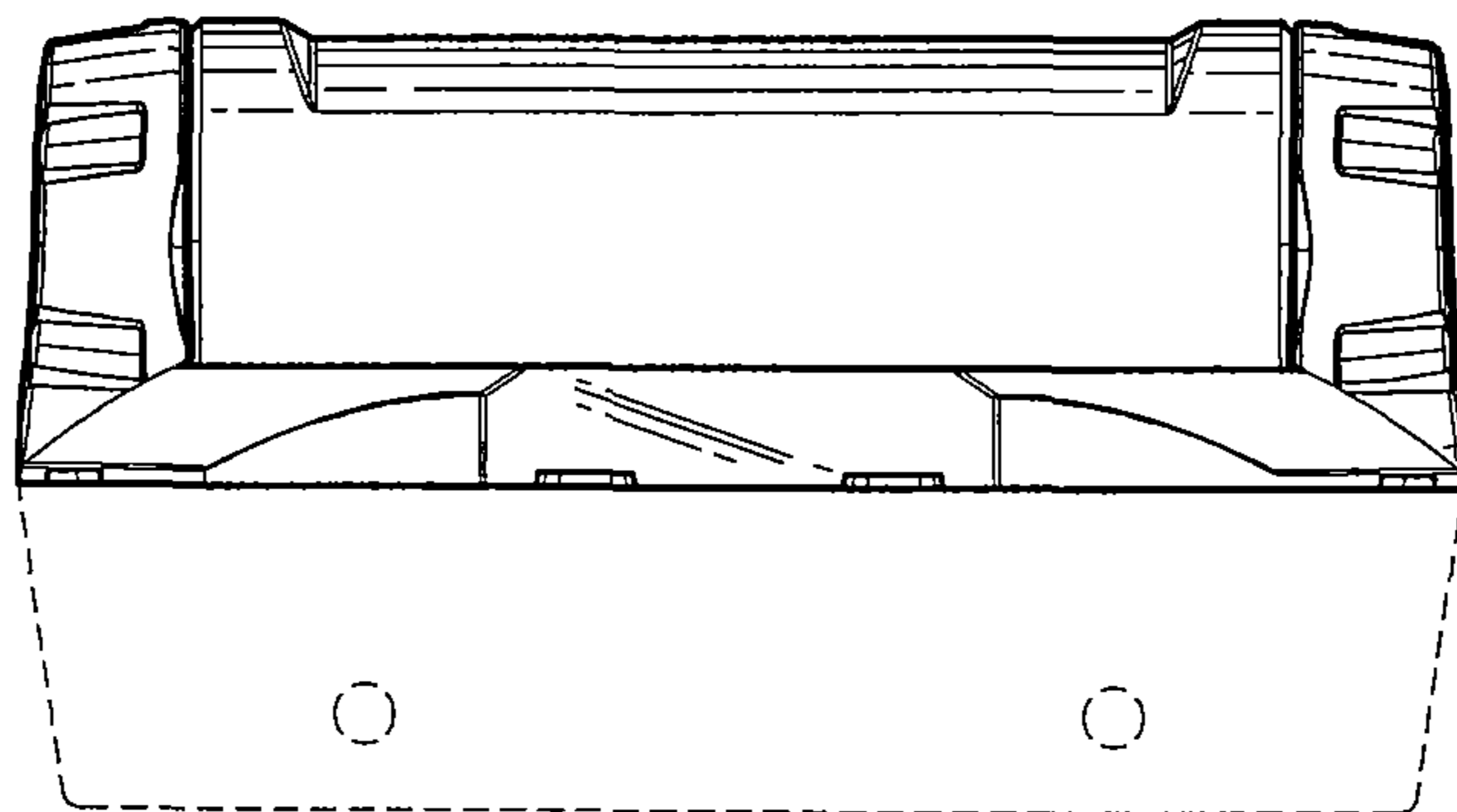


FIG. 12

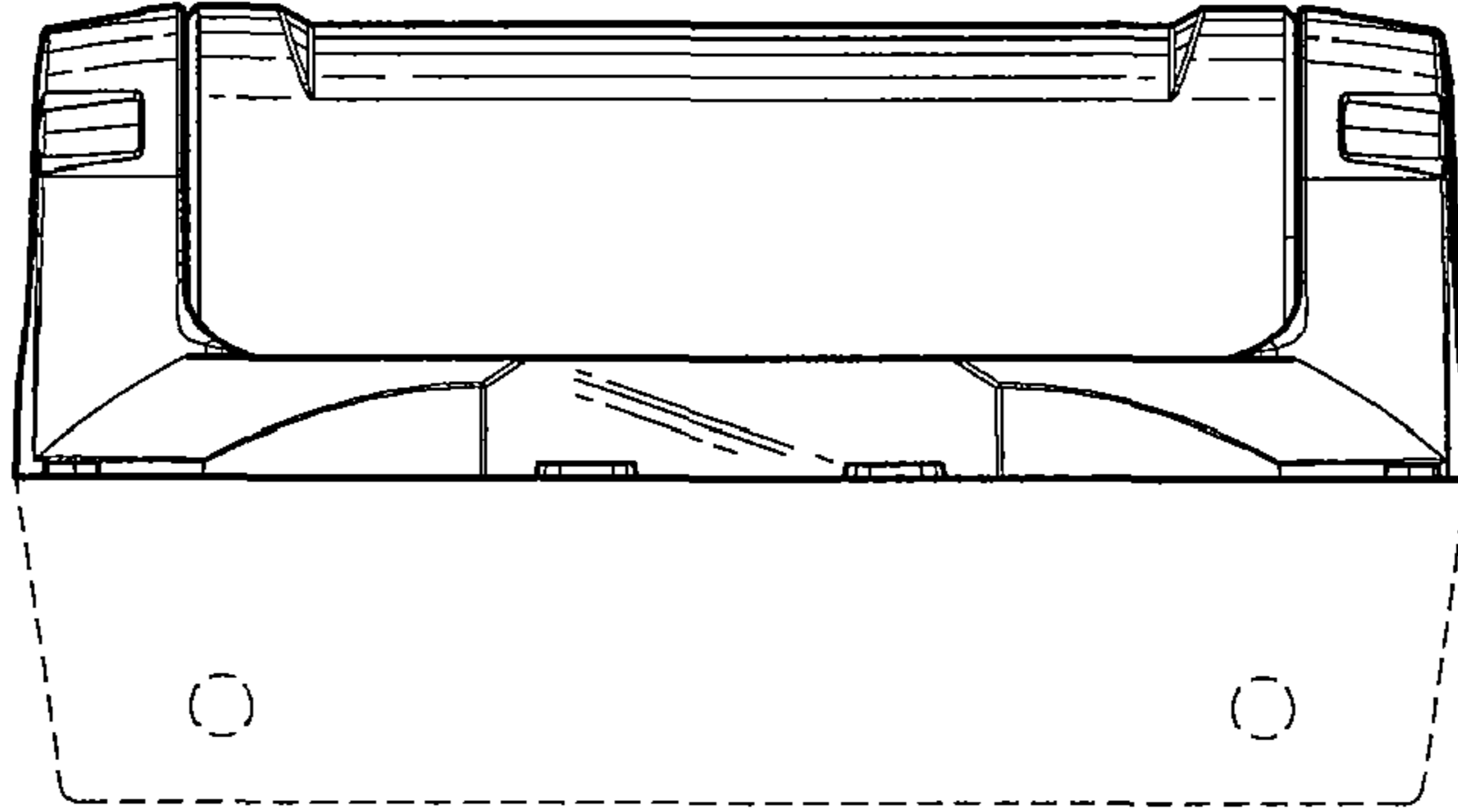


FIG. 13

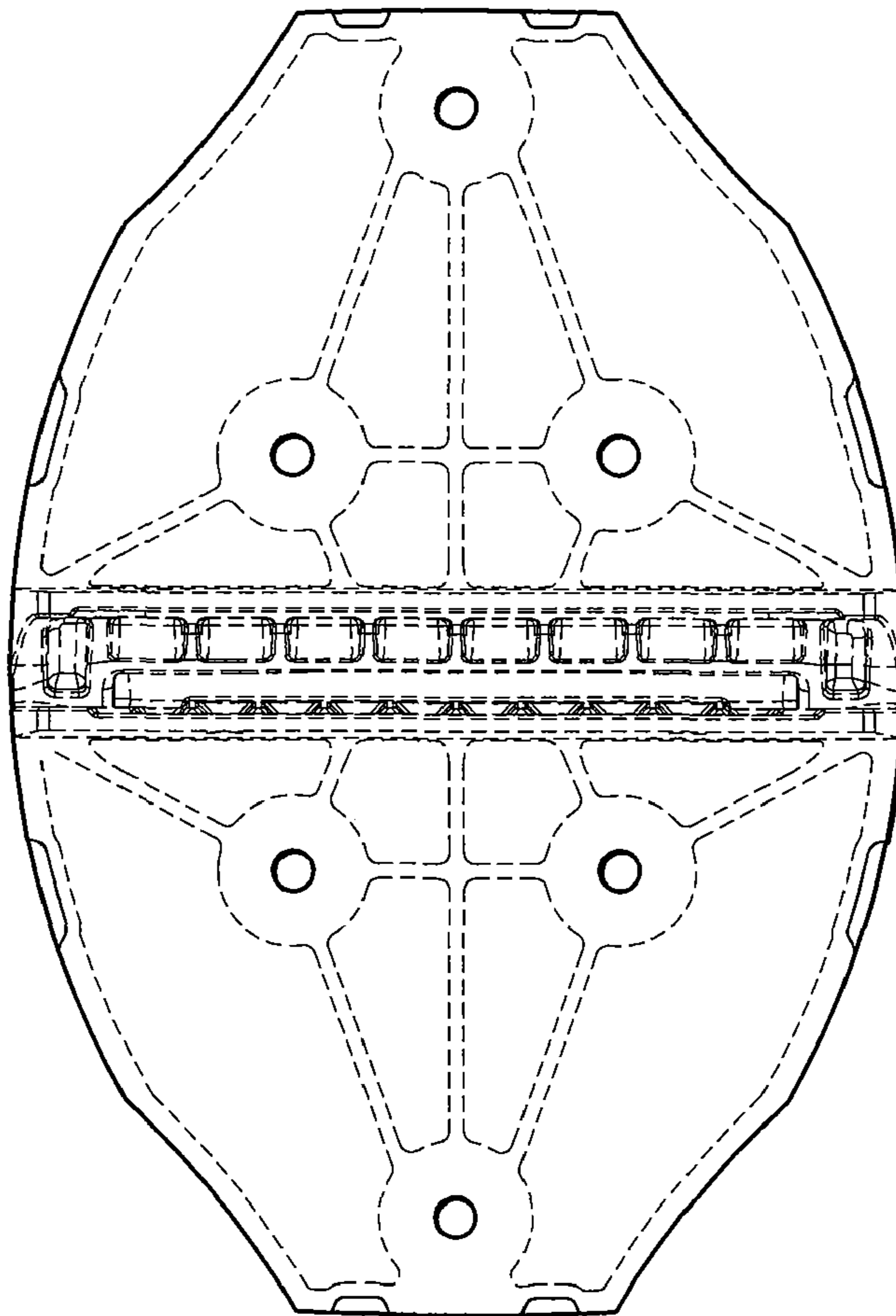


FIG. 14

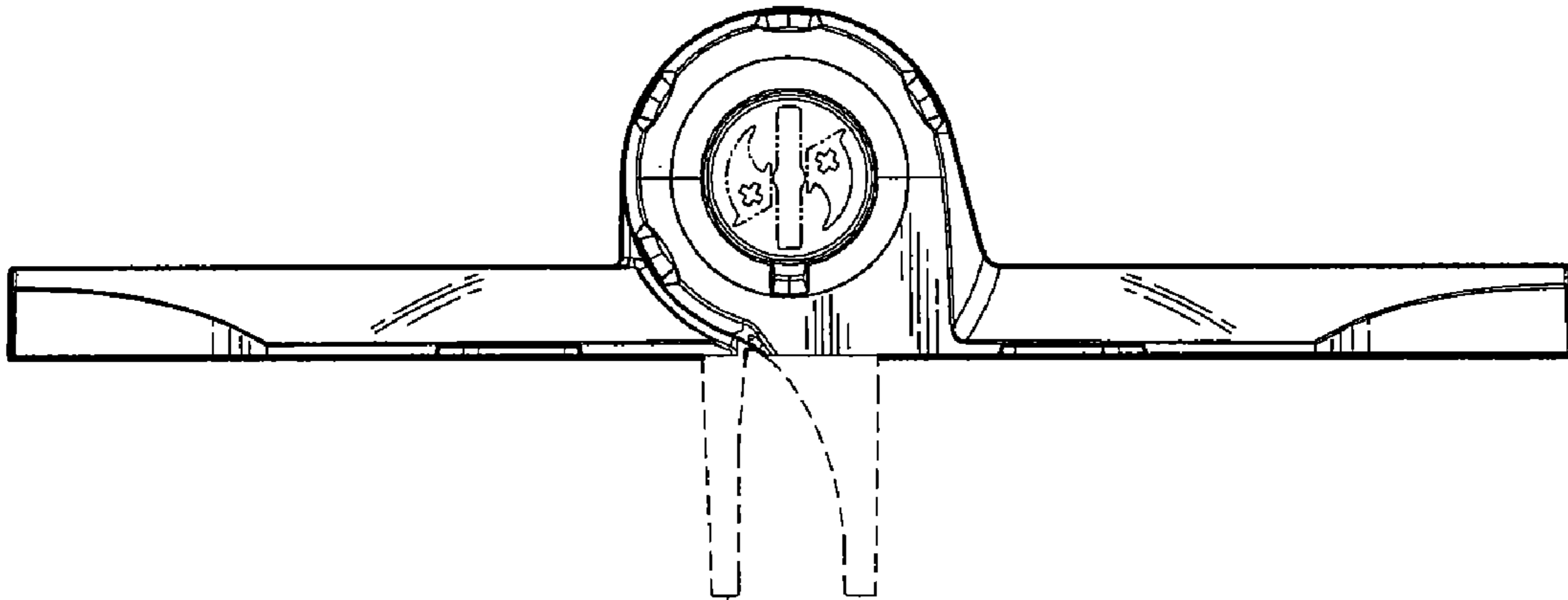


FIG. 15

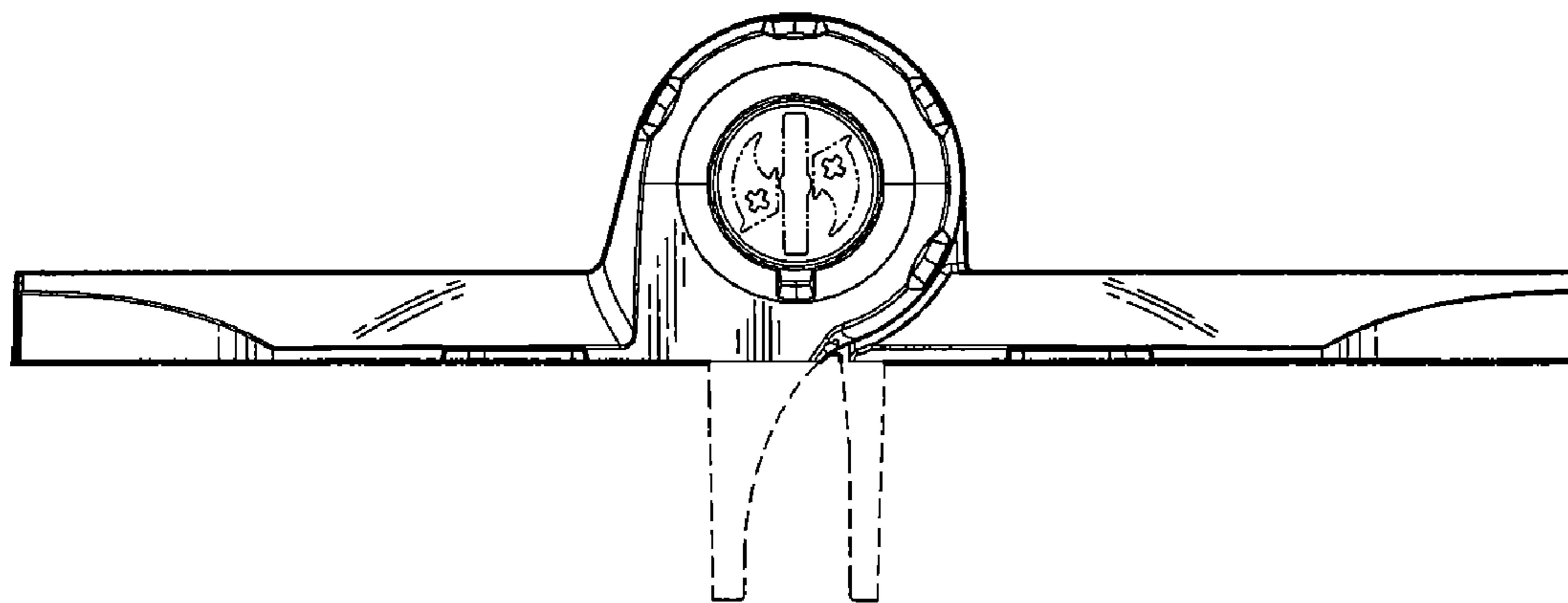


FIG. 16