



US00D818125S

(12) **United States Design Patent** (10) **Patent No.:** **US D818,125 S**  
**Ballsieper et al.** (45) **Date of Patent:** **\*\* May 15, 2018**

(54) **X-RAY SHIELD**

D349,577 S 8/1994 Sayles  
D424,198 S 5/2000 Shepherd et al.  
6,703,632 B1 3/2004 Macklis et al.

(71) Applicant: **Mavig GmbH**, München (DE)

(Continued)

(72) Inventors: **Barbara Ballsieper**, München (DE);  
**Anna-Luisa Uhlitz**, München (DE)

FOREIGN PATENT DOCUMENTS

(73) Assignee: **MAVIG GmbH**, München (DE)

CN 201375521 Y 1/2010  
JP 2000-166916 A 6/2000  
KR 10-2012-0084574 A 7/2012

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

OTHER PUBLICATIONS

(21) Appl. No.: **29/556,915**

Radiation Protection Shields & Drapes of the company Radpad, USA (www.radpad.com), 3 pages.

(22) Filed: **Mar. 4, 2016**

(Continued)

(51) **LOC (11) Cl.** ..... **24-01**

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

USPC ..... **D24/158**

(58) **Field of Classification Search**

USPC ..... D24/107, 158-161, 185, 186, 187, 231;  
D29/100, 104-107

CPC .. A61B 6/107; G21F 3/00; G21F 3/02; G21Y  
2002/501; A61N 2005/1094

See application file for complete search history.

*Primary Examiner* — Anhdao Doan

(74) *Attorney, Agent, or Firm* — Nixon & Vanderhye P.C.

(57) **CLAIM**

The ornamental design for an X-ray shield, as shown and described.

**DESCRIPTION**

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,636,419 A	7/1927	Hollander	
2,105,028 A *	1/1938	Dickhoff	..... A42B 3/22 2/421
2,239,223 A	4/1941	Gilman	
2,794,128 A	5/1957	Shasky	
D238,615 S	1/1976	Maier	
D241,378 S	9/1976	Burger	
D249,278 S	9/1978	Milligan	
4,196,355 A	4/1980	Maine	
4,254,341 A	3/1981	Herr et al.	
D259,139 S	5/1981	Johnson	
4,386,277 A *	5/1983	Forshee	..... G21F 3/02 2/9
D300,945 S	5/1989	Fleming et al.	
4,923,162 A	5/1990	Fleming	
D310,905 S	10/1990	Marchione	

FIG. 1 is a front perspective view of the X-ray shield showing an embodiment according to our new ornamental design;

FIG. 2 is a rear view thereof;

FIG. 3 is a left side view thereof, with the right side view thereof being a mirror image thereof;

FIG. 4 is a top view thereof;

FIG. 5 is a front perspective view of the X-ray shield showing an embodiment according to our new ornamental design;

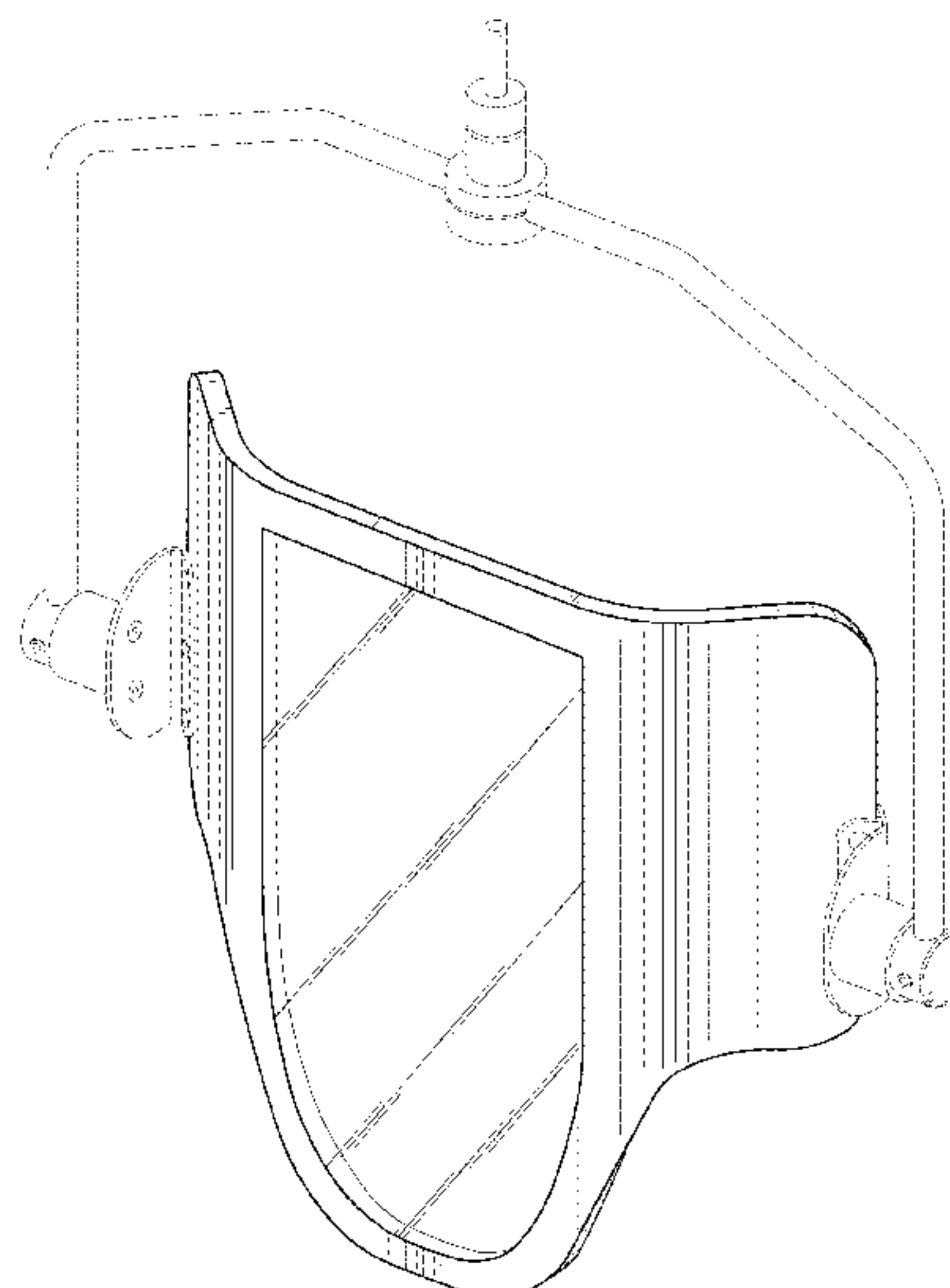
FIG. 6 is a rear view thereof;

FIG. 7 is a left side view thereof, with the right side view thereof being a mirror image thereof; and,

FIG. 8 is a top view thereof.

The broken lines illustrate environmental structures and form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



(56)

**References Cited**

## U.S. PATENT DOCUMENTS

D504,194 S 4/2005 Canavan  
D534,003 S \* 12/2006 McNally ..... D6/300  
D556,324 S 11/2007 Oddsdottir et al.  
7,294,845 B2 11/2007 Ballsieper  
D569,044 S 5/2008 Crye  
D569,046 S \* 5/2008 Crye ..... D29/100  
7,608,847 B2 10/2009 Rees  
7,744,278 B2 6/2010 Barkow et al.  
D629,109 S 12/2010 Phillips  
D629,110 S 12/2010 Brettle et al.  
D639,076 S \* 6/2011 Fukui ..... D16/235  
D716,449 S 10/2014 Ballsieper  
D751,710 S 3/2016 Ballsieper  
D772,415 S \* 11/2016 Ballsieper ..... D24/158  
D775,340 S \* 12/2016 Ballsieper ..... D24/158  
2009/0323892 A1 12/2009 Hitzke  
2012/0186590 A1 7/2012 Byers  
2013/0270462 A1 10/2013 Beck  
2013/0299723 A1 11/2013 Murase  
2015/0041686 A1 2/2015 Pizarro  
2017/0004895 A1 \* 1/2017 Holman ..... A61B 6/107

## OTHER PUBLICATIONS

Radiation Protection Covers, Kenex, Great Britain, [www.kenex.co.uk](http://www.kenex.co.uk).

Radiation Protection Covers, Aadco, U.S.A., [www.aadcomed.com](http://www.aadcomed.com).

Radiation Protection Covers, Beijing Huaren, China, [bjuaren.com](http://bjuaren.com).

Radiation Protection Covers, Mavig, USA.

U.S. Appl. No. 29/466,485, filed Sep. 9, 2013, Ballsieper.

U.S. Appl. No. 29/502,311, filed Sep. 15, 2014, Ballsieper.

U.S. Appl. No. 29/503,390, filed Sep. 25, 2014, Ballsieper.

U.S. Appl. No. 29/553,475, filed Feb. 2, 2016, Ballsieper.

U.S. Appl. No. 29/561,676, filed Apr. 19, 2016, Ballsieper.

\* cited by examiner

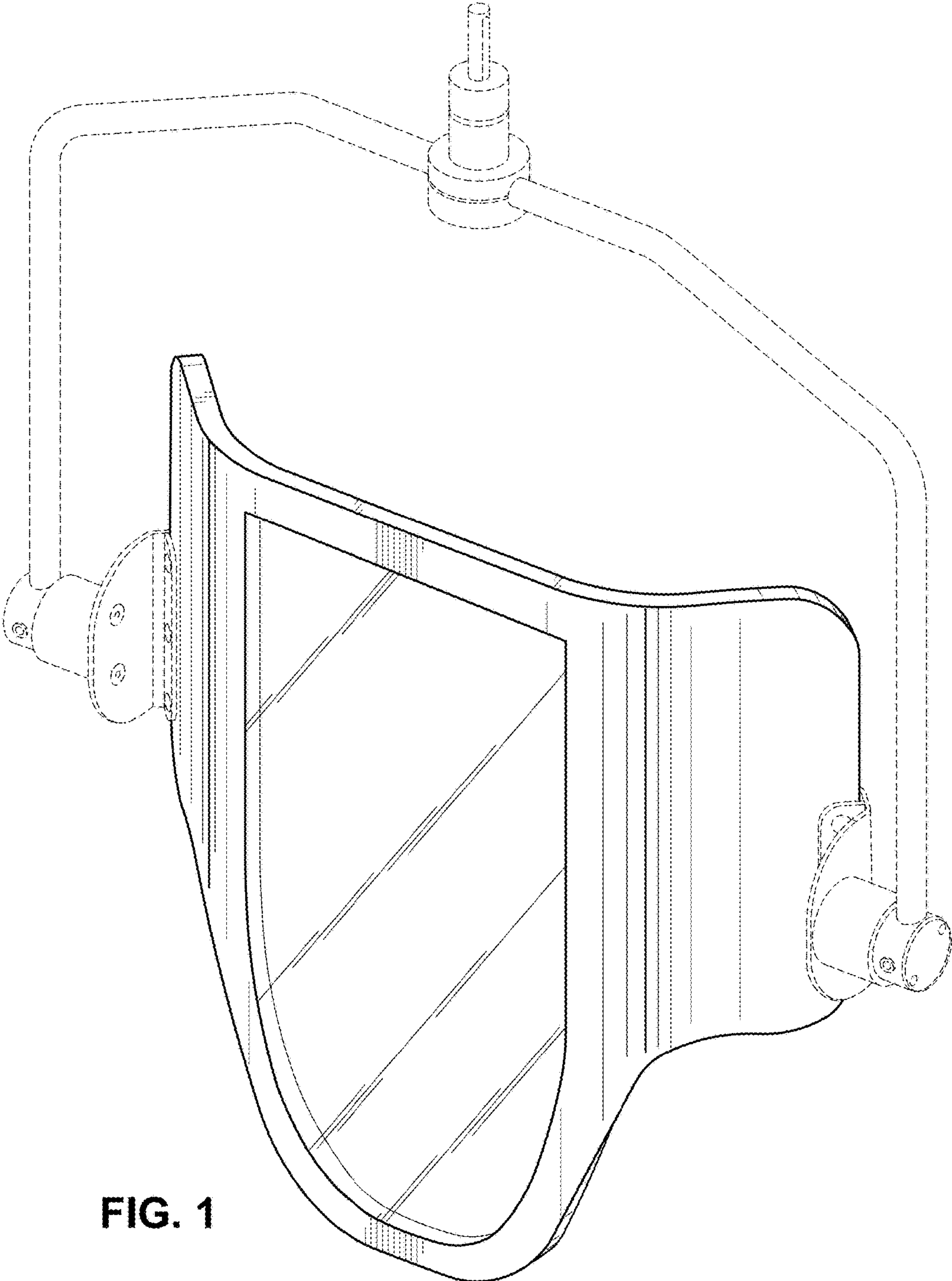


FIG. 1

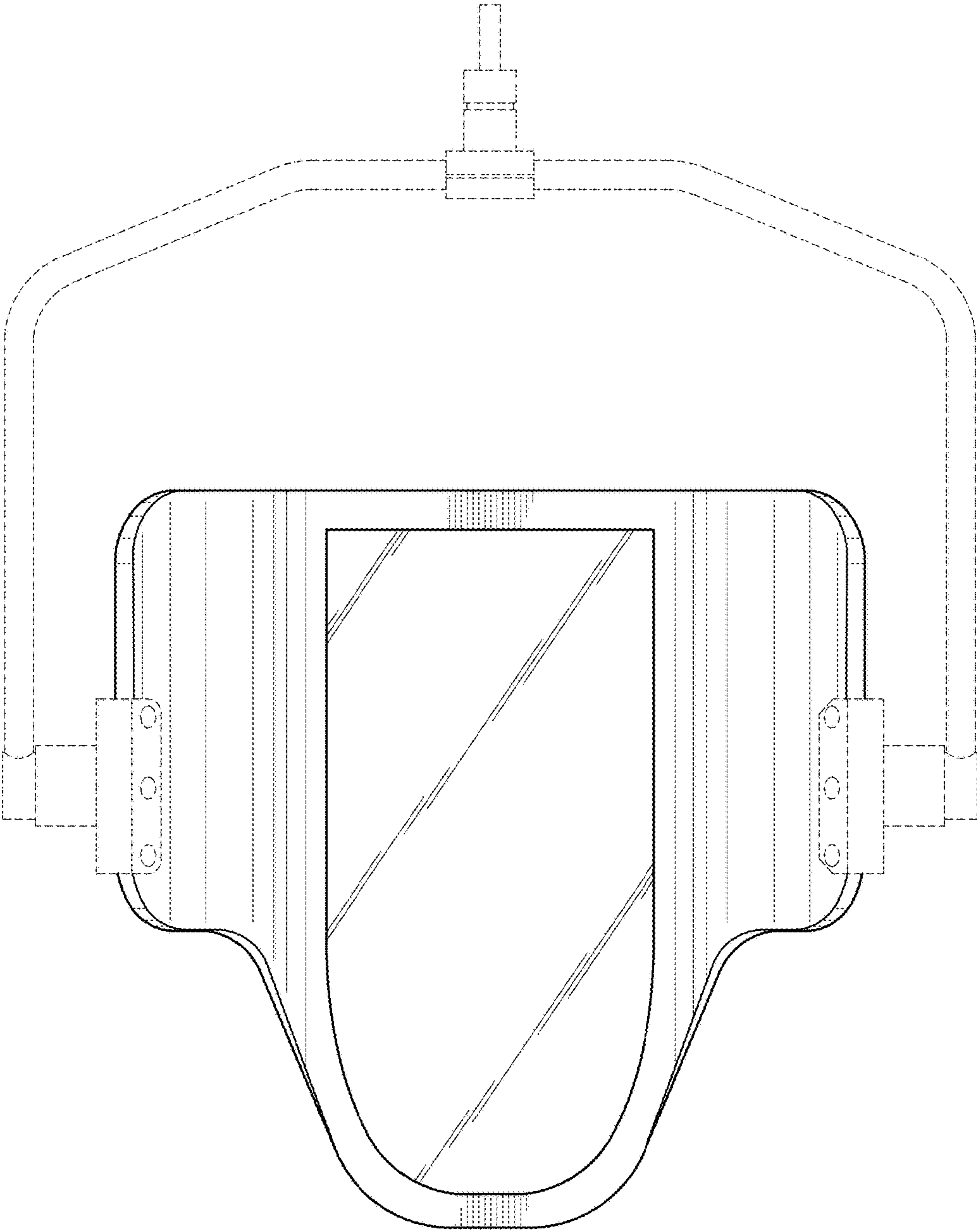


FIG. 2

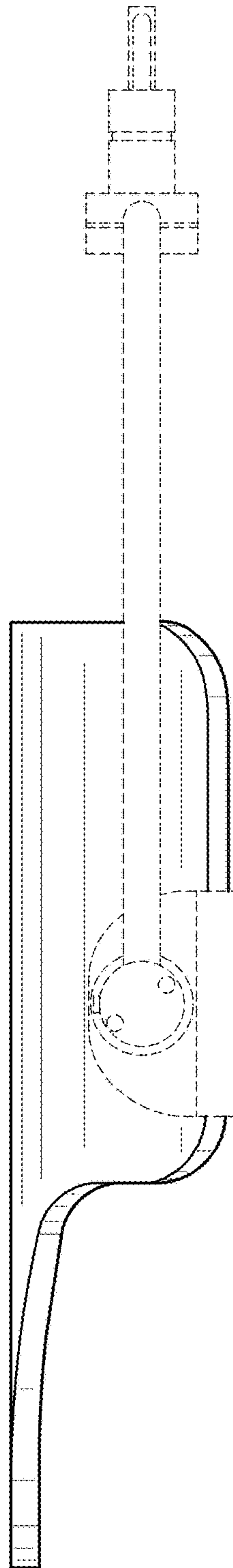


FIG. 3

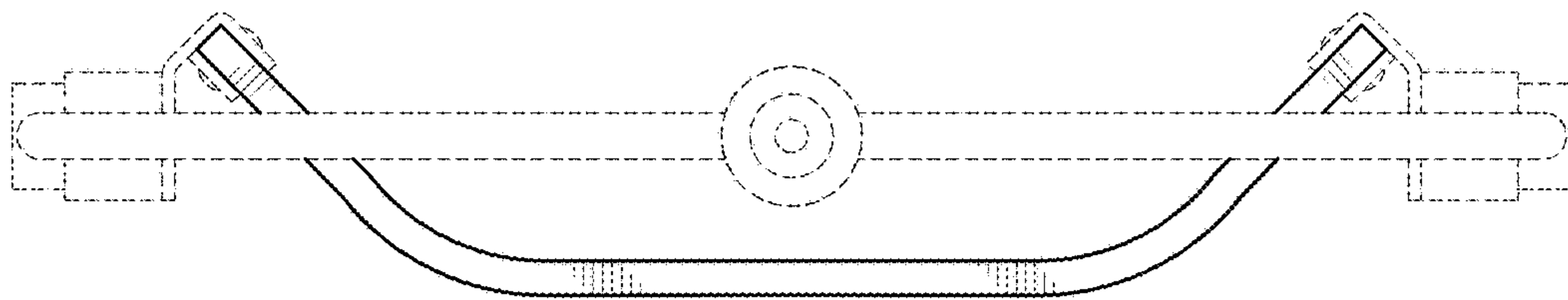


FIG. 4



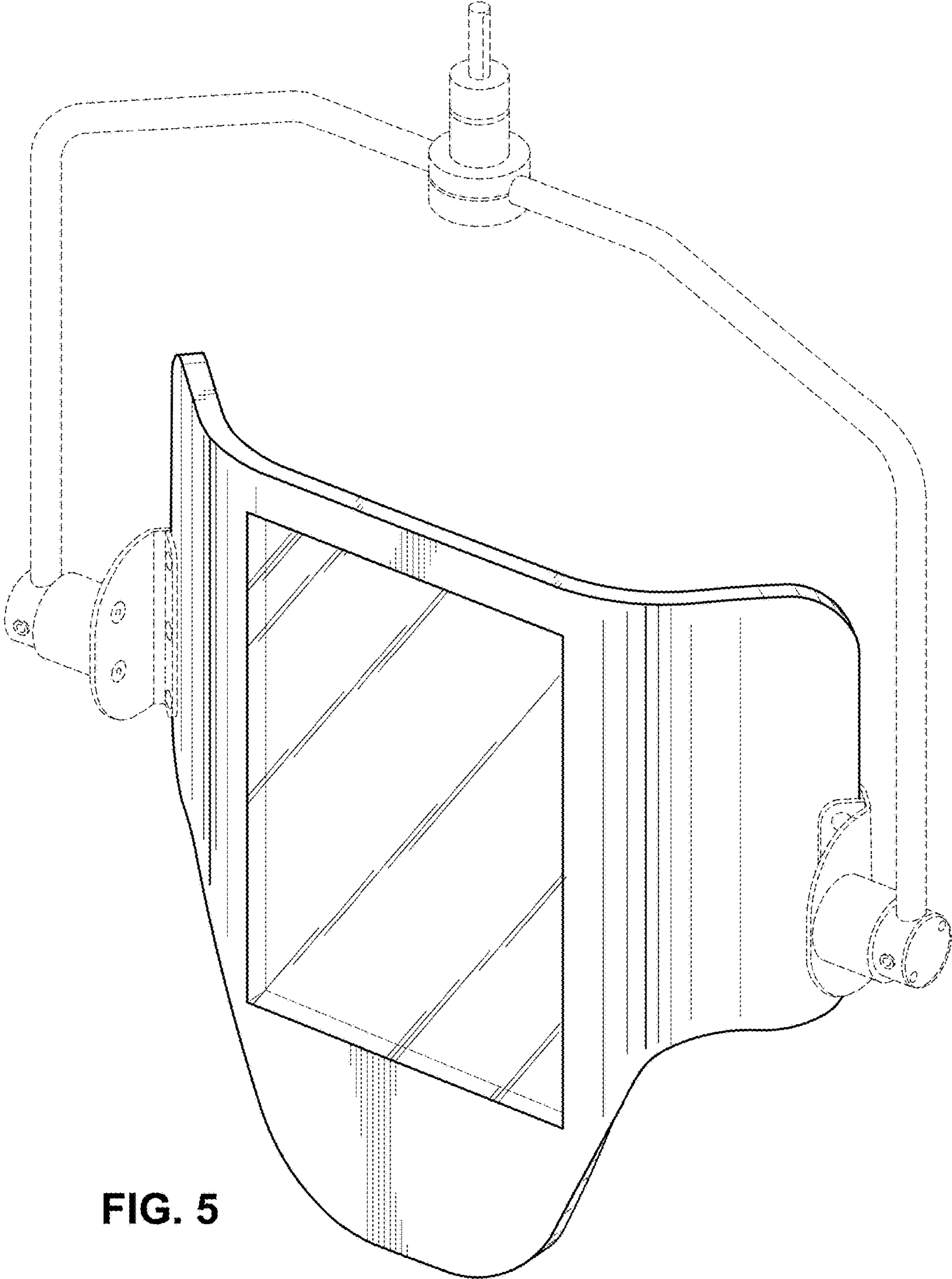


FIG. 5

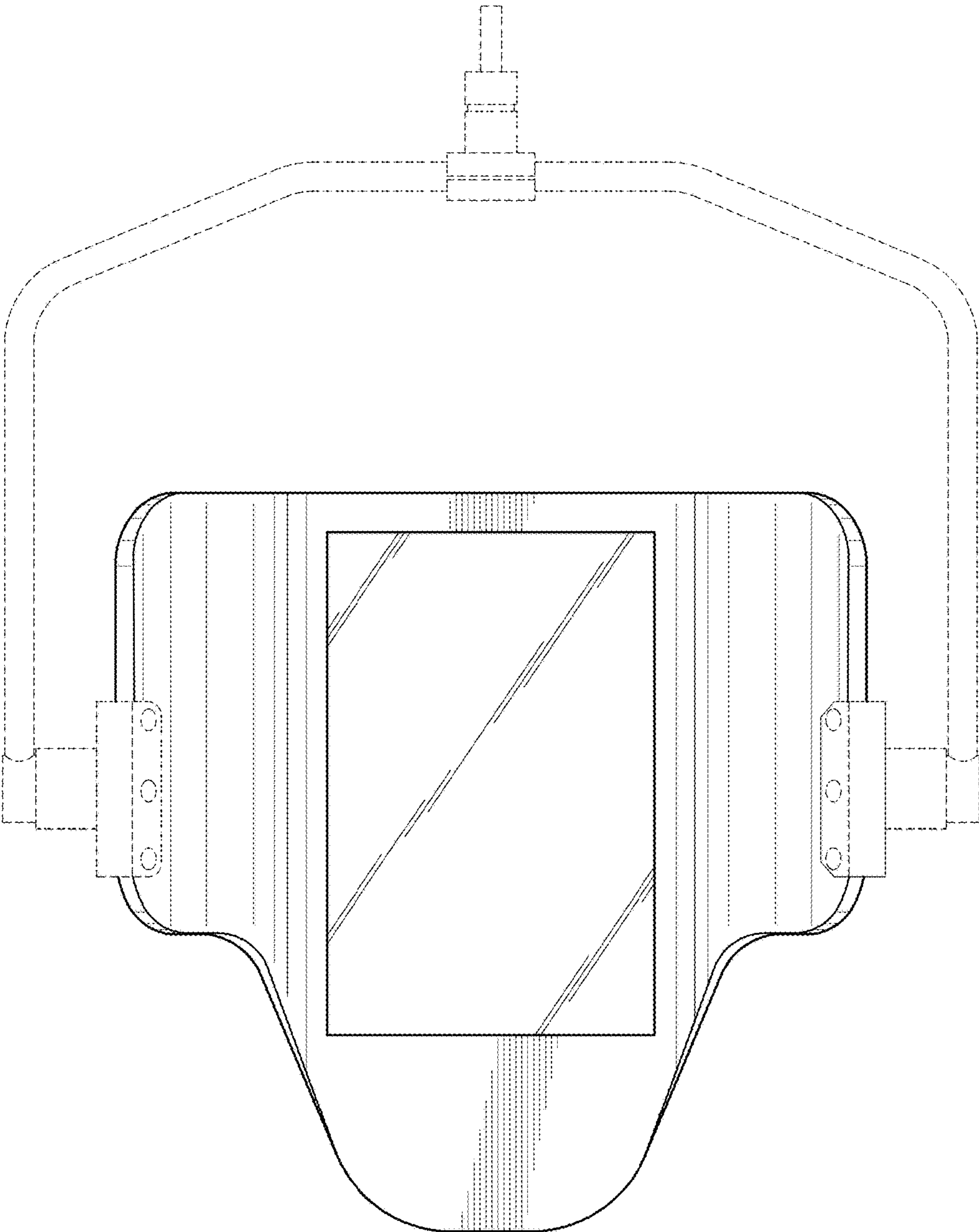


FIG. 6



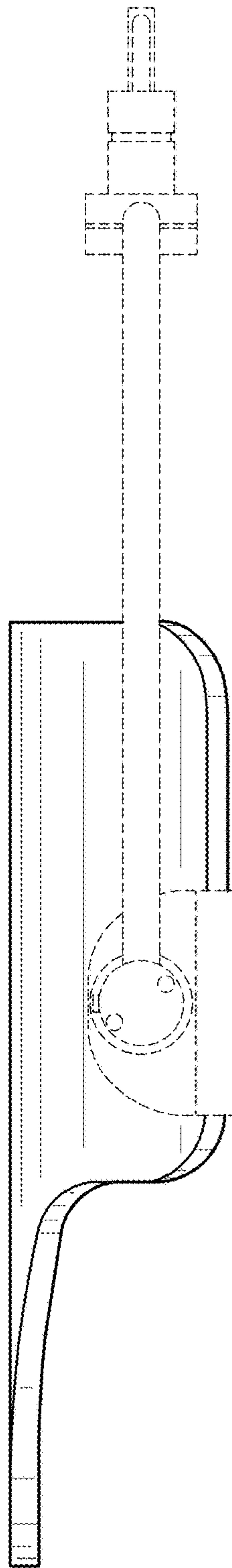


FIG. 7

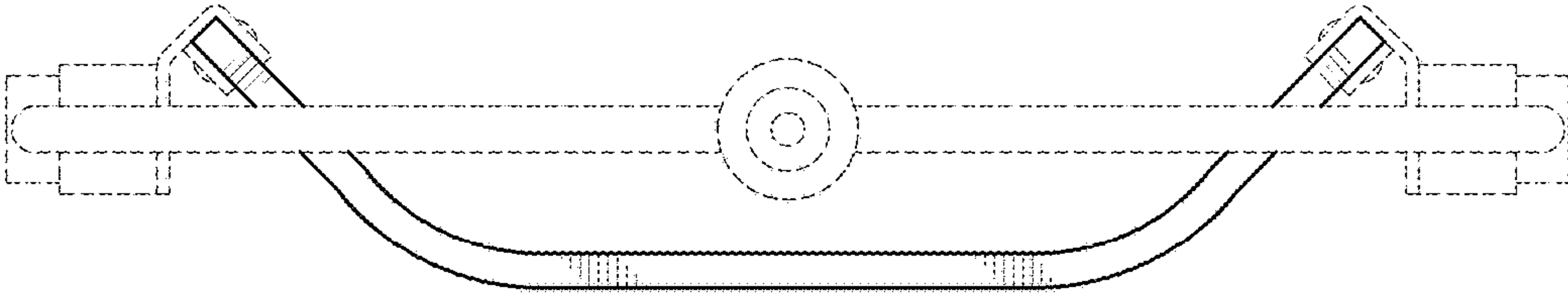


FIG. 8