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(12) **United States Design Patent**
Gagas

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(54) **GATE VALVE SEALING STRUCTURE**

3,308,727 A 3/1967 Hurt, Jr.

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3,548,864 A 12/1970 Handley et al.

3,658,086 A 4/1972 Hart

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4,029,425 A 6/1977 Pelsue

4,030,519 A 6/1977 Zinn

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

(21) Appl. No.: **29/266,329**

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(Continued)

FOREIGN PATENT DOCUMENTS

Related U.S. Application Data

(63) Continuation of application No. 11/217,994, filed on Sep. 1, 2005, and a continuation-in-part of application No. 29/237,547, filed on Sep. 1, 2005, now Pat. No. Des. 548,309.

GB 2 102 479 A 6/1982

(51) **LOC (8) Cl.** **23-01**

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(52) **U.S. Cl.** **D23/248**

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(58) **Field of Classification Search** D23/233–237, D23/244–249; 251/63, 326–329; 137/884, 137/367, 365, 364, 370, 368; 403/6, 10, 403/17, 287; 123/308; 285/8, 10, 11, 16, 285/17, 34, 46, 48, 61, 64, 84–91, 115, 116, 285/121.1, 121.3, 121.5, 123.9, 123.12, 124.2, 285/435

(57) **CLAIM**

The ornamental design for a gate valve sealing structure, as shown and described.

See application file for complete search history.

DESCRIPTION

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 349,567 A 9/1886 Clarke
- 514,633 A 2/1894 Sund
- 536,268 A 3/1895 Cullen
- 589,357 A 8/1897 Link
- 604,622 A 5/1898 Lobdell et al.
- 820,616 A 5/1906 Batt
- 852,359 A 4/1907 Walcott et al.
- 996,956 A 7/1911 Walcott
- 1,608,772 A 11/1926 Cole
- 1,987,502 A 1/1935 Born et al.
- 2,008,138 A 7/1935 Le Duc
- 2,099,479 A 11/1937 Heinkel et al.
- 2,596,532 A 5/1952 Coolidge et al.

FIG. 1 is a perspective view of a gate valve sealing structure according to the present invention.

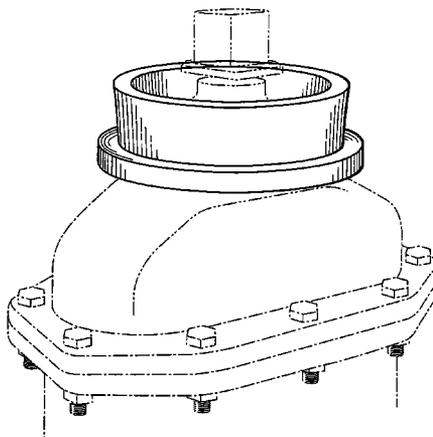
FIG. 2 is right side elevation view of the structure of FIG. 1, the left side view, front side view, and rear view being identical thereof.

FIG. 3 is a top plan view of the structure of FIG. 1; and,

FIG. 4 is a bottom plan view of the structure of FIG. 1.

The broken lines in FIG. 1 of a gate valve are illustrative of environmental structure only and form no part of the claimed design.

1 Claim, 2 Drawing Sheets



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U.S. PATENT DOCUMENTS					
			5,201,151	A	4/1993 LeBlanc et al.
			5,240,345	A	8/1993 Gagas
			5,299,884	A	4/1994 Westhoff et al.
			5,316,040	A	5/1994 Townsend et al.
			5,362,174	A	11/1994 Yang
			5,431,553	A	7/1995 Topf, Jr.
			5,482,400	A	1/1996 Bavington
			5,542,780	A	8/1996 Kourgli
			5,628,152	A	5/1997 Bowman
			5,722,204	A	3/1998 Stieb et al.
			6,044,590	A	4/2000 Gagas
			6,092,550	A	7/2000 Gotch et al.
			D437,917	S	2/2001 Weingarten
			6,354,325	B1	3/2002 Warnes et al.
			D460,526	S	7/2002 Weingarten
			D489,797	S	5/2004 Hall et al.
			6,953,053	B2	10/2005 Waffler et al.
			D546,924	S *	7/2007 Gagas D23/244
			D548,309	S *	8/2007 Gagas D23/244
			D554,744	S *	11/2007 Hwang D23/249
			2006/0131534	A1	6/2006 Leroux
					* cited by examiner
RE29,532	E	2/1978 Zwick			
4,188,151	A	2/1980 Hall et al.			
4,275,757	A	6/1981 Singer			
4,305,679	A	12/1981 Modi			
4,308,886	A	1/1982 Handley et al.			
4,350,177	A	9/1982 Firchau et al.			
4,368,893	A	1/1983 Gagas			
4,440,407	A	4/1984 Gagas			
4,449,715	A	5/1984 Gagas			
4,469,467	A	9/1984 Odill et al.			
4,475,845	A	10/1984 Odill et al.			
4,534,378	A	8/1985 Gagas et al.			
4,556,081	A	12/1985 Gagas			
4,592,674	A	6/1986 Baliva			
4,759,656	A	7/1988 Wilson			
4,772,154	A	9/1988 Caroulle			
D300,171	S *	3/1989 Been D23/233			
4,819,687	A	4/1989 Alberico et al.			
4,872,780	A	10/1989 Bowman			
4,927,163	A	5/1990 Gagas			
5,095,667	A	3/1992 Ryan et al.			

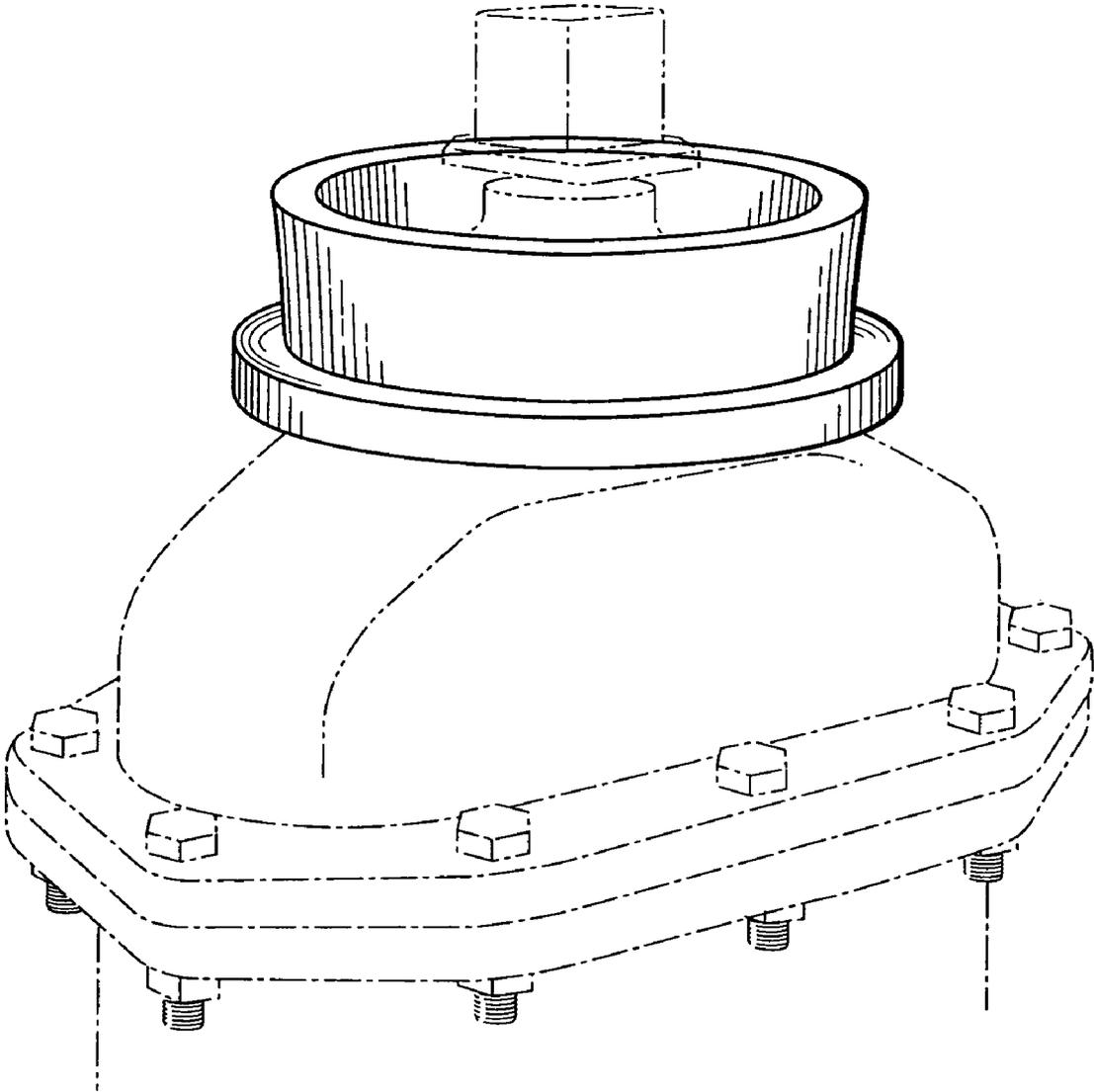


Fig. 1

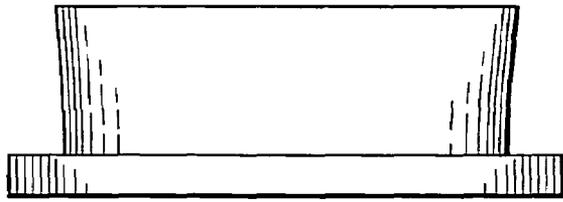


Fig. 2

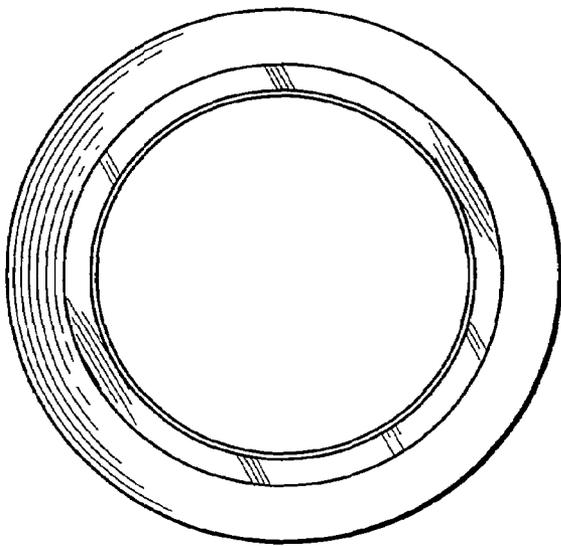


Fig. 3

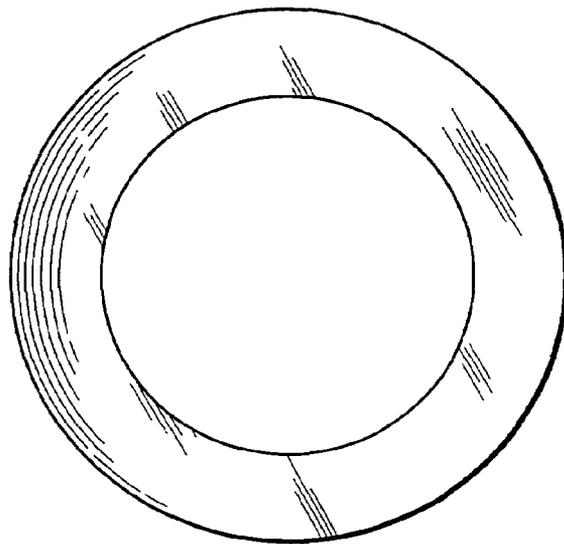


Fig. 4