



US00D932870S

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

(10) **Patent No.:** **US D932,870 S**

(45) **Date of Patent:** **\*\* Oct. 12, 2021**

(54) **ROTARY DAMPER FOR HINGES**

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(73) Assignee: **Tok, Inc.**, Tokyo (JP)

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

(21) Appl. No.: **35/509,974**

(22) Filed: **Dec. 6, 2019**

(80) **Hague Agreement Data**

Int. Filing Date: **Dec. 6, 2019**

Int. Reg. No.: **DM/209462**

Int. Reg. Date: **Dec. 6, 2019**

Int. Reg. Pub. Date: **Aug. 7, 2020**

(51) **LOC (13) Cl.** ..... **08-06**

(52) **U.S. Cl.**  
USPC ..... **D8/326**; D15/148

(58) **Field of Classification Search**  
USPC ..... D8/323, 326; D15/138, 148, 149  
CPC ..... A47K 13/12  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D354,902 S *	1/1995	Harris	.....	D8/323
6,213,881 B1 *	4/2001	Sasa	.....	F16F 9/145
				16/50
6,390,255 B2 *	5/2002	Kobori	.....	F16F 9/145
				188/290
D489,028 S *	4/2004	Nishiyama	.....	D12/180
6,725,984 B2 *	4/2004	Orita	.....	E05F 5/10
				188/290
6,729,448 B2 *	5/2004	Takahashi	.....	E05F 5/003
				188/290
7,111,712 B2 *	9/2006	Orita	.....	F16F 9/145
				188/290
D535,547 S *	1/2007	Lim	.....	D8/326

D584,315 S *	1/2009	Yamaguchi	.....	D14/483
D776,669 S *	1/2017	Mihara	.....	D14/483
D777,170 S *	1/2017	Mihara	.....	D14/483
D798,354 S *	9/2017	Kitada	.....	D15/148
D798,927 S *	10/2017	Yamada	.....	D15/148
2020/0200230 A1 *	6/2020	Honda	.....	F16F 9/12

**FOREIGN PATENT DOCUMENTS**

GB	8209462000-1000	*	12/2019	
WO	WO-2009013712 A2	*	1/2009	..... A47K 13/12

\* cited by examiner

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(57) **CLAIM**

The ornamental design for a rotary damper for hinges, as shown and described.

**DESCRIPTION**

1. Rotary damper for hinges

1.1 : Perspective

1.2 : Front

1.3 : Left

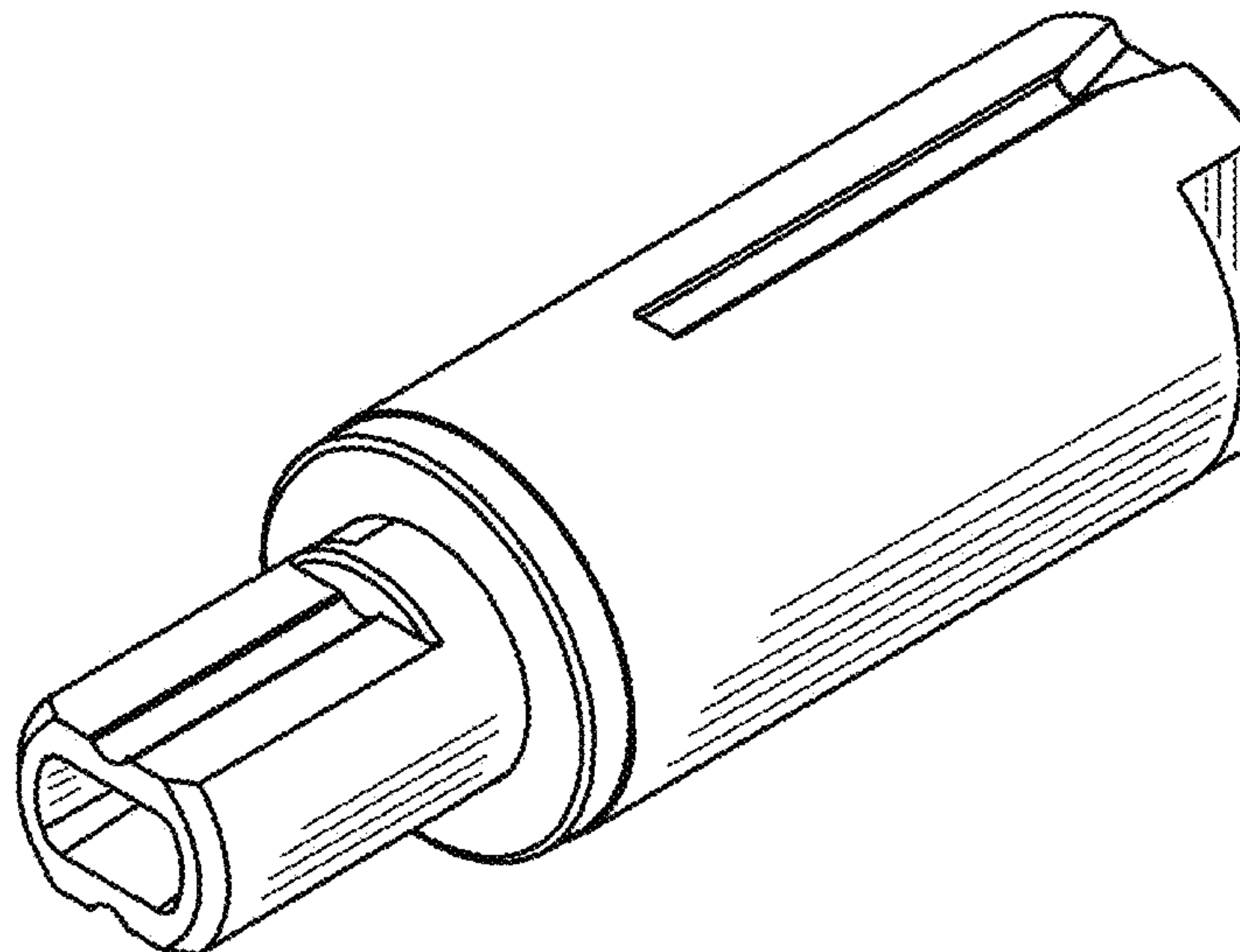
1.4 : Right

1.5 : Top

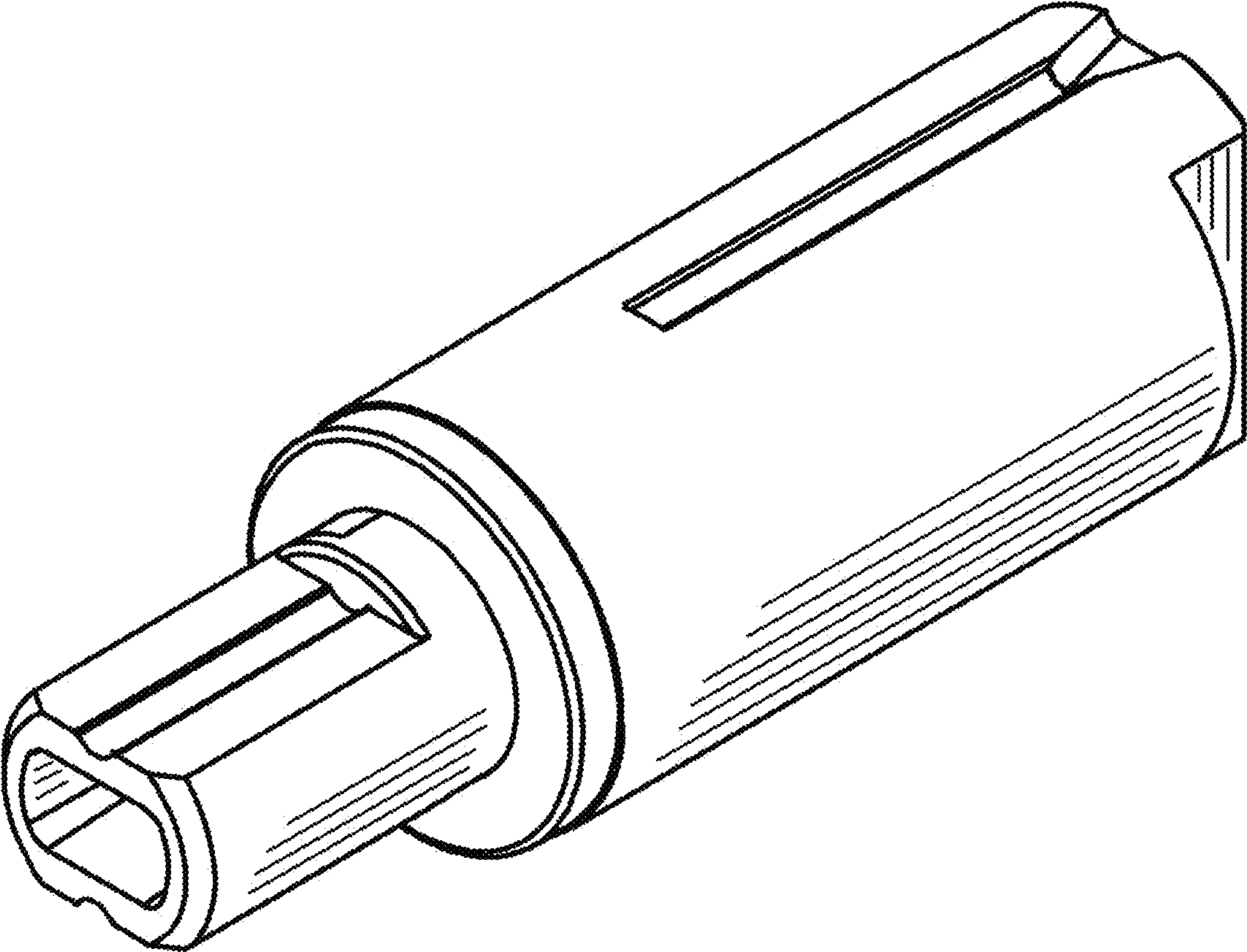
1.6 : Sectional view taken along line "A-A" in 1.4

The design is a rotary damper that contains a shaft inside a housing; the design is characterized by an outer periphery of the end portion of the housing that has the triangular-shaped grooves allowing the product to be easily attached to a toilet unit, etc.; the back view is omitted because the back view is identical with the front view; the bottom view is omitted because the bottom view is identical with the top view; fig. 1.6 is a sectional view taken along line "A-A" of fig. 1.4 by cutting off the product without the shaft; thin lines in the representation represent contours only and do not illustrate an ornamentation or decoration on the surface of the product.

**1 Claim, 6 Drawing Sheets**



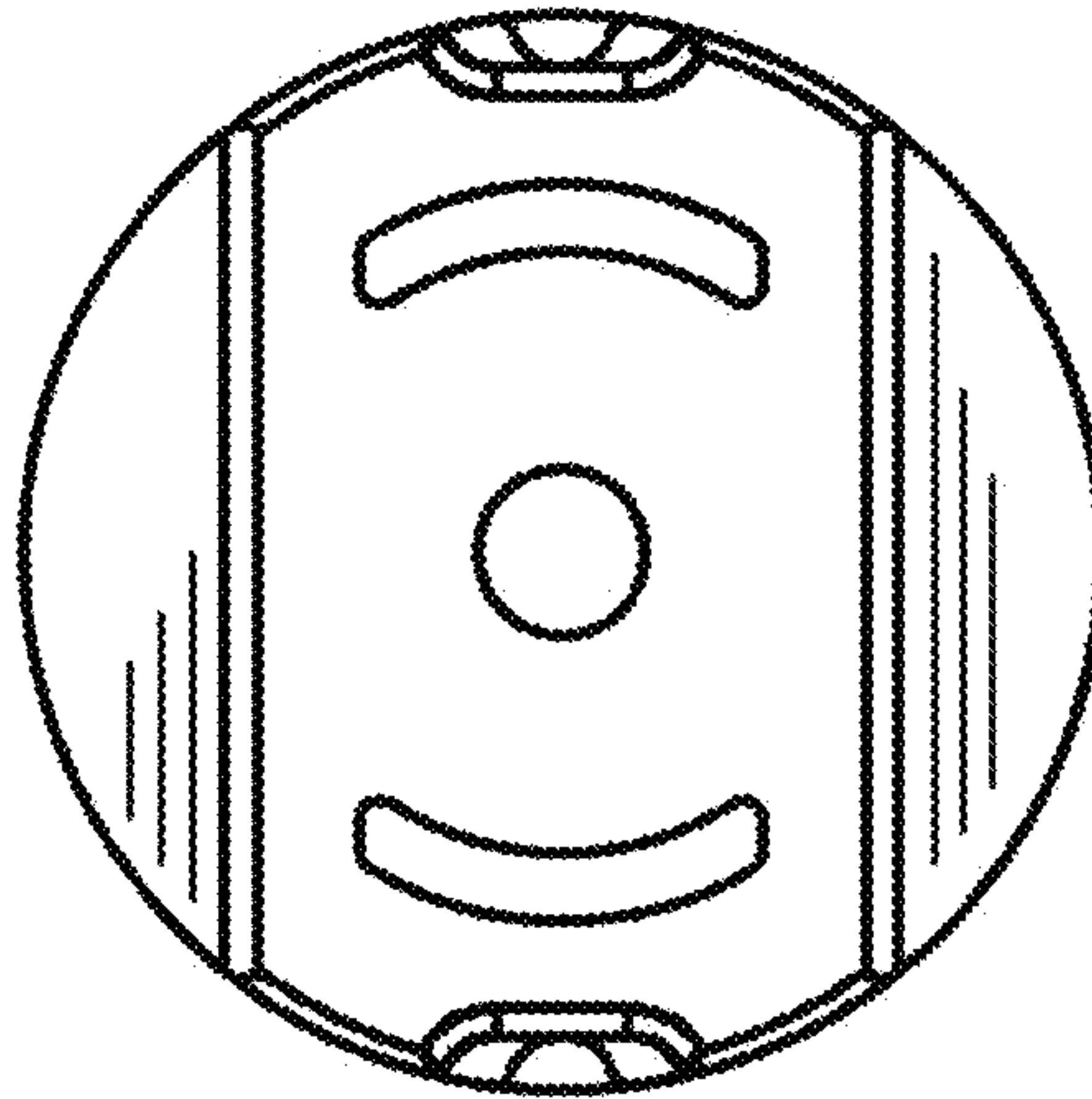
1.1



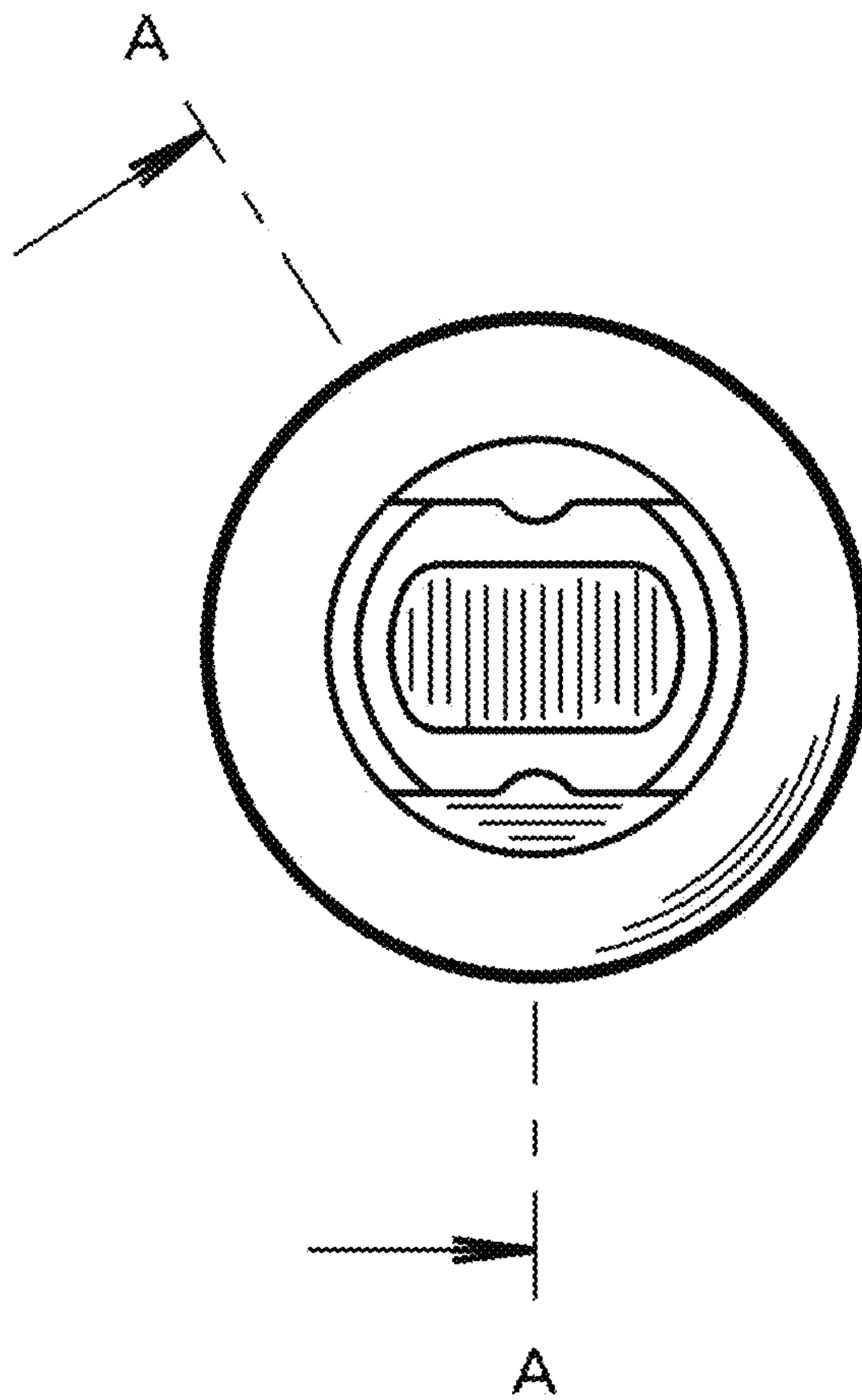
1.2



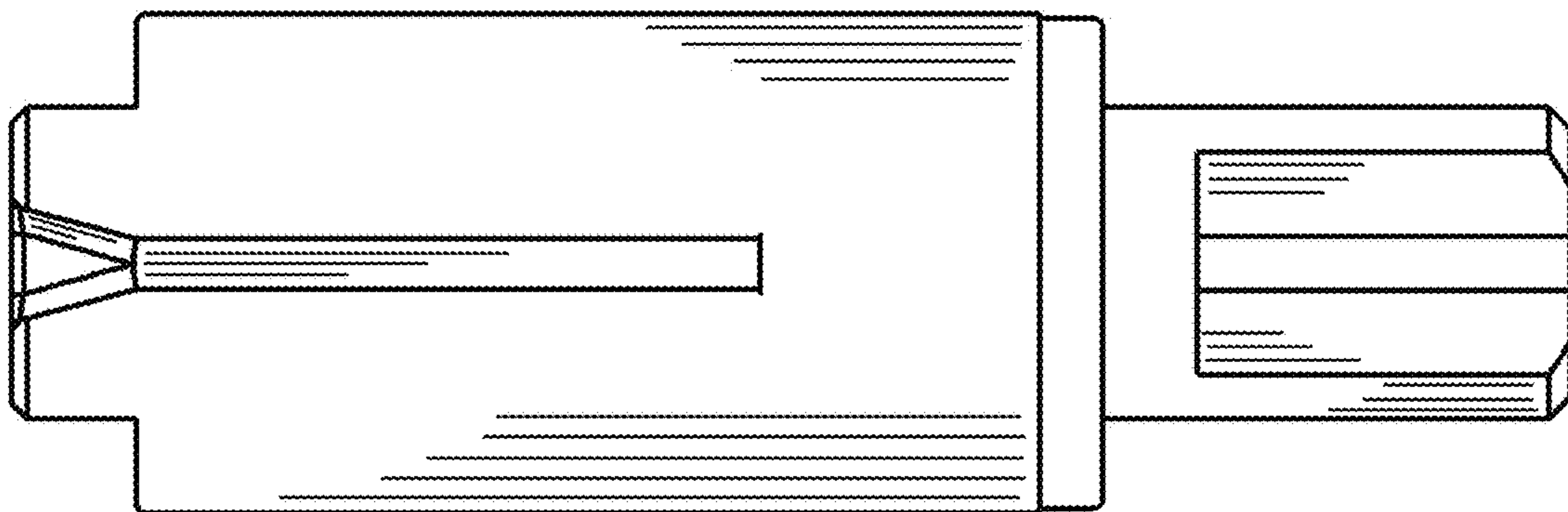
1.3



1.4



1.5





1.6

