



US00D940390S

(12) **United States Design Patent** (10) **Patent No.:** **US D940,390 S**  
**Tan et al.** (45) **Date of Patent:** **\*\* \*Jan. 4, 2022**

(54) **SINGLE-DOSE LAUNDRY DETERGENT UNIT**

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(\*) Notice: This patent is subject to a terminal disclaimer.

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

(21) Appl. No.: **29/728,177**

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(30) **Foreign Application Priority Data**

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(51) **LOC (13) Cl.** ..... **28-02**

(52) **U.S. Cl.**  
USPC ..... **D28/8.1**

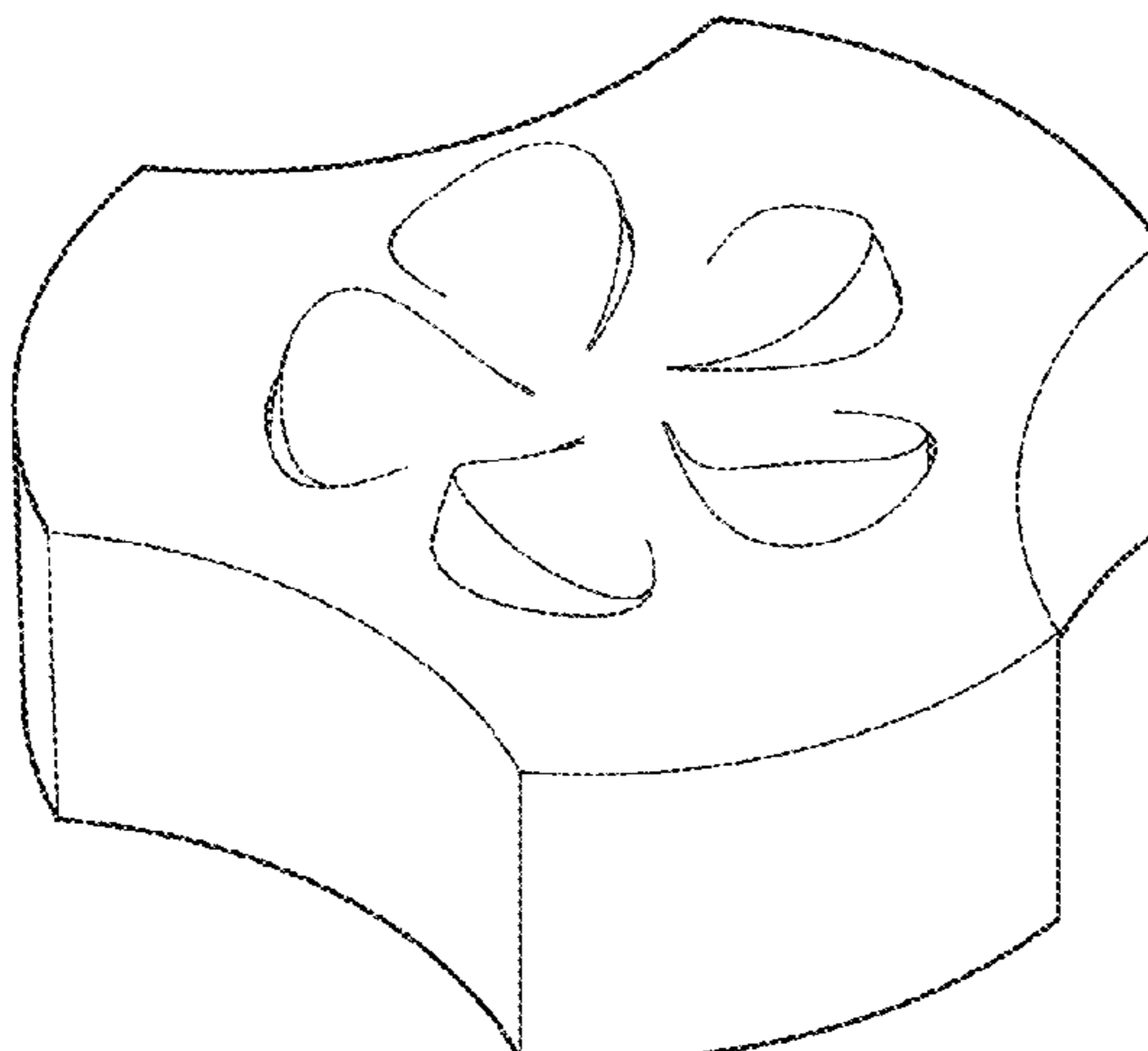
(58) **Field of Classification Search**  
USPC ..... D28/4, 5, 8.1, 8.2, 9, 73, 76, 99; D1/100, 106, 120-122, 126-128, 130, D1/199; D24/101-104; D9/425, 430, D9/702-714, 732; D32/29.1  
CPC ..... C11D 17/00; C11D 17/04; C11D 17/08; C11D 17/041-047; C11D 17/0047; C11D 17/0086; C11D 17/0091; C11D 17/0095; B65D 65/00; B65D 65/46  
See application file for complete search history.

D295,683 S	5/1988	Kirk	
D299,275 S	1/1989	Ott	
D302,481 S	7/1989	Fawzi	
D328,010 S	7/1992	Daenen	
D334,420 S *	3/1993	Gladfelter	D23/207
D353,940 S	1/1995	Ricciarelli	
5,437,407 A	8/1995	Kim	
D392,433 S	3/1998	Norris	
D396,904 S	8/1998	Leu	
D396,907 S	8/1998	Donnelly	
D415,601 S *	10/1999	Sherman	D1/106
D416,654 S	11/1999	Haynes	
D429,437 S	8/2000	Valenti	
D431,676 S	10/2000	Neergaard	
D437,972 S	2/2001	Harty	
D442,739 S *	5/2001	Friesenhahn	D28/8.1
D443,108 S *	5/2001	Friesenhahn	D28/8.1
D449,881 S *	10/2001	Mock, Sr.	D24/101
D473,982 S	4/2003	Clark	
D478,657 S	8/2003	Fontana	
D509,935 S	9/2005	Burt	
D571,515 S	6/2008	Krause	
D577,294 S	9/2008	Suxdorf	
D578,893 S	10/2008	Rosinski et al.	
D581,805 S	12/2008	Suxdorf	
D585,287 S	1/2009	Rosinski et al.	
D588,766 S	3/2009	Dunshee	
D607,163 S	12/2009	Swiderski	
D610,002 S	2/2010	Frank	
D610,753 S	2/2010	Moskowitz	
D613,026 S *	4/2010	Fitzpatrick	D1/106
D617,843 S	6/2010	Heinke	
D621,275 S	8/2010	Marotti et al.	
D642,911 S	8/2011	Gonzalez	
D646,449 S	10/2011	Cheng	
D648,214 S	11/2011	Gonzalez	
D656,669 S	3/2012	Davis	
D657,910 S	4/2012	Davis	
D659,009 S	5/2012	Boyer et al.	
D671,329 S *	11/2012	Van Straten	D5/61
D677,335 S	3/2013	Murphy et al.	
D681,270 S	4/2013	Davis	
D686,066 S	7/2013	Macaulay et al.	
D686,067 S	7/2013	Macaulay et al.	
D701,759 S	4/2014	Abel et al.	
D703,532 S	4/2014	Merchant	
D716,650 S	11/2014	Robinson	
D725,479 S	3/2015	Ajichi et al.	
D729,069 S	5/2015	Ajichi et al.	
D743,787 S	11/2015	Hood	
D745,393 S	12/2015	Robinson	
D748,241 S *	1/2016	Goode	D24/102
D752,439 S	3/2016	Abel et al.	

(56) **References Cited**

U.S. PATENT DOCUMENTS

D267,122 S \* 11/1982 Scotton ..... D1/127  
D271,817 S 12/1983 Collin



D753,487 S	4/2016	Wells	
D768,480 S	10/2016	Hood et al.	
D768,947 S	10/2016	Mantelli	
D769,522 S	10/2016	Venet	
D771,899 S	* 11/2016	Wehling .....	D1/127
D783,799 S	* 4/2017	Goode .....	D24/102
D783,801 S	* 4/2017	Goode .....	D24/102
D798,658 S	10/2017	Masifilo	
D799,964 S	10/2017	Abel et al.	
D811,674 S	2/2018	Krause	
D816,414 S	5/2018	Thompson et al.	
D817,588 S	5/2018	Fraser	
D821,645 S	6/2018	Nelemans	
D822,298 S	7/2018	Krause	
D822,927 S	7/2018	Krause	
D827,428 S	9/2018	Torres	
D829,105 S	9/2018	Templeman	
D829,546 S	10/2018	Gagliardo et al.	
D831,496 S	10/2018	Silva	
10,089,904 B2	10/2018	Bowen et al.	
D832,715 S	11/2018	Zinovieff et al.	
D832,716 S	11/2018	Zinovieff et al.	
D833,698 S	11/2018	Lyne	
D833,868 S	11/2018	Marotti	
10,262,560 B2	4/2019	Craig et al.	
D850,277 S	6/2019	Murchison et al.	
D851,744 S	6/2019	Huang	
D858,301 S	9/2019	Lowery et al.	
D863,612 S	10/2019	Panagiotis et al.	
D863,957 S	10/2019	Riffe et al.	
D867,130 S	11/2019	Merchant et al.	
D867,717 S	* 11/2019	Chavez .....	D1/128
D868,953 S	12/2019	Mckendree	
D871,211 S	12/2019	Marcano et al.	
D871,919 S	1/2020	Lowery et al.	
D885,180 S	5/2020	Murchison	
D893,998 S	8/2020	Hinkle et al.	
D893,999 S	8/2020	Hinkle et al.	
D900,603 S	11/2020	Murchison et al.	
D902,710 S	11/2020	Hinkle et al.	
D902,711 S	11/2020	Rees	
D904,899 S	12/2020	Tan	
D905,917 S	12/2020	Kinally	
D906,804 S	1/2021	Rees	
D906,829 S	1/2021	Rees	
D907,486 S	1/2021	Hood et al.	
D910,455 S	2/2021	Lowery et al.	
D911,185 S	* 2/2021	Tan .....	D9/707
D913,584 S	* 3/2021	Tan .....	D28/8.1
D915,478 S	4/2021	De Geyter	
2006/0010634 A1	1/2006	Moser	
2017/0327997 A1	11/2017	Florence	

FOREIGN PATENT DOCUMENTS

DE	DM101063	5/2018
DE	DM101100	5/2018
DE	AD437_DM102959	9/2018
DE	AD449_DM201164	1/2019
JP	2000053998 A	2/2000
JP	1656034 S	3/2020
JP	1665522 S	8/2020
JP	D1665521 S	8/2020
JP	1668494 S	9/2020
JP	1668495 S	9/2020
WO	DM/102259	7/2018
WO	DM/202753	6/2019

OTHER PUBLICATIONS

All Office Actions, U.S. Appl. No. 29/676,330.  
 All Office Actions, U.S. Appl. No. 29/683,553.  
 All Office Actions, U.S. Appl. No. 29/697,464.  
 Polymeric Foam, Urethane Scouring Pad, Graingers website 2020,  
<https://www.grainger.com/product/6NE88?gclid=CjOKCQjwhtT1BRCiARIsAGIY51K0thz...> site visited May 8, 2020.  
 All Office Actions, U.S. Appl. No. 29/717,567.

All Office Actions, U.S. Appl. No. 29/717,570.  
 All Office Actions; U.S. Appl. No. 29/727,267.  
 All Office Actions; U.S. Appl. No. 29/757,068.

\* cited by examiner

*Primary Examiner* — Jennifer Rivard  
*Assistant Examiner* — Alison M Ofstun

(57) **CLAIM**

The ornamental design for a single-dose laundry detergent unit, as shown and described.

**DESCRIPTION**

The patent or application file contains at least one drawing executed in color. Copies of this patent or patent application publication with color drawing(s) will be provided by the Office upon request and payment of the necessary fee.

FIG. 1 is a perspective view of a first embodiment of a single-dose laundry detergent unit showing our new design; FIG. 2 is a front view thereof; FIG. 3 is a back view thereof; FIG. 4 is a left view thereof; FIG. 5 is a right view thereof; FIG. 6 is a top view thereof; FIG. 7 is a bottom view thereof; FIG. 8 is a perspective view of a second embodiment of a single-dose laundry detergent unit, showing our new design; FIG. 9 is a front view thereof; FIG. 10 is a back view thereof; FIG. 11 is a left view thereof; FIG. 12 is a right view thereof; FIG. 13 is a top view thereof; FIG. 14 is a bottom view thereof; FIG. 15 is a perspective view of a third embodiment of a single-dose laundry detergent unit, showing our new design; FIG. 16 is a front view thereof; FIG. 17 is a back view thereof; FIG. 18 is a left view thereof; FIG. 19 is a right view thereof; FIG. 20 is a top view thereof; FIG. 21 is a bottom view thereof; FIG. 22 is a perspective view of a fourth embodiment of a single-dose laundry detergent unit, showing our new design; FIG. 23 is a front view thereof; FIG. 24 is a back view thereof; FIG. 25 is a left view thereof; FIG. 26 is a right view thereof; FIG. 27 is a top view thereof; FIG. 28 is a bottom view thereof; FIG. 29 is a perspective view of a fifth embodiment of a single-dose laundry detergent unit, showing our new design; FIG. 30 is a front view thereof; FIG. 31 is a back view thereof; FIG. 32 is a left view thereof; FIG. 33 is a right view thereof; FIG. 34 is a top view thereof; FIG. 35 is a bottom view thereof; FIG. 36 is a perspective view of a sixth embodiment of a single-dose laundry detergent unit, showing our new design; FIG. 37 is a front view thereof; FIG. 38 is a back view thereof; FIG. 39 is a left view thereof; FIG. 40 is a right view thereof; FIG. 41 is a top view thereof;

FIG. 42 is a bottom view thereof;  
FIG. 43 is a perspective view of a seventh embodiment of a single-dose laundry detergent unit, showing our new design;  
FIG. 44 is a front view thereof;  
FIG. 45 is a back view thereof;  
FIG. 46 is a left view thereof;  
FIG. 47 is a right view thereof;  
FIG. 48 is a top view thereof; and,  
FIG. 49 is a bottom view thereof.

**1 Claim, 49 Drawing Sheets**  
**(42 of 49 Drawing Sheet(s) Filed in Color)**

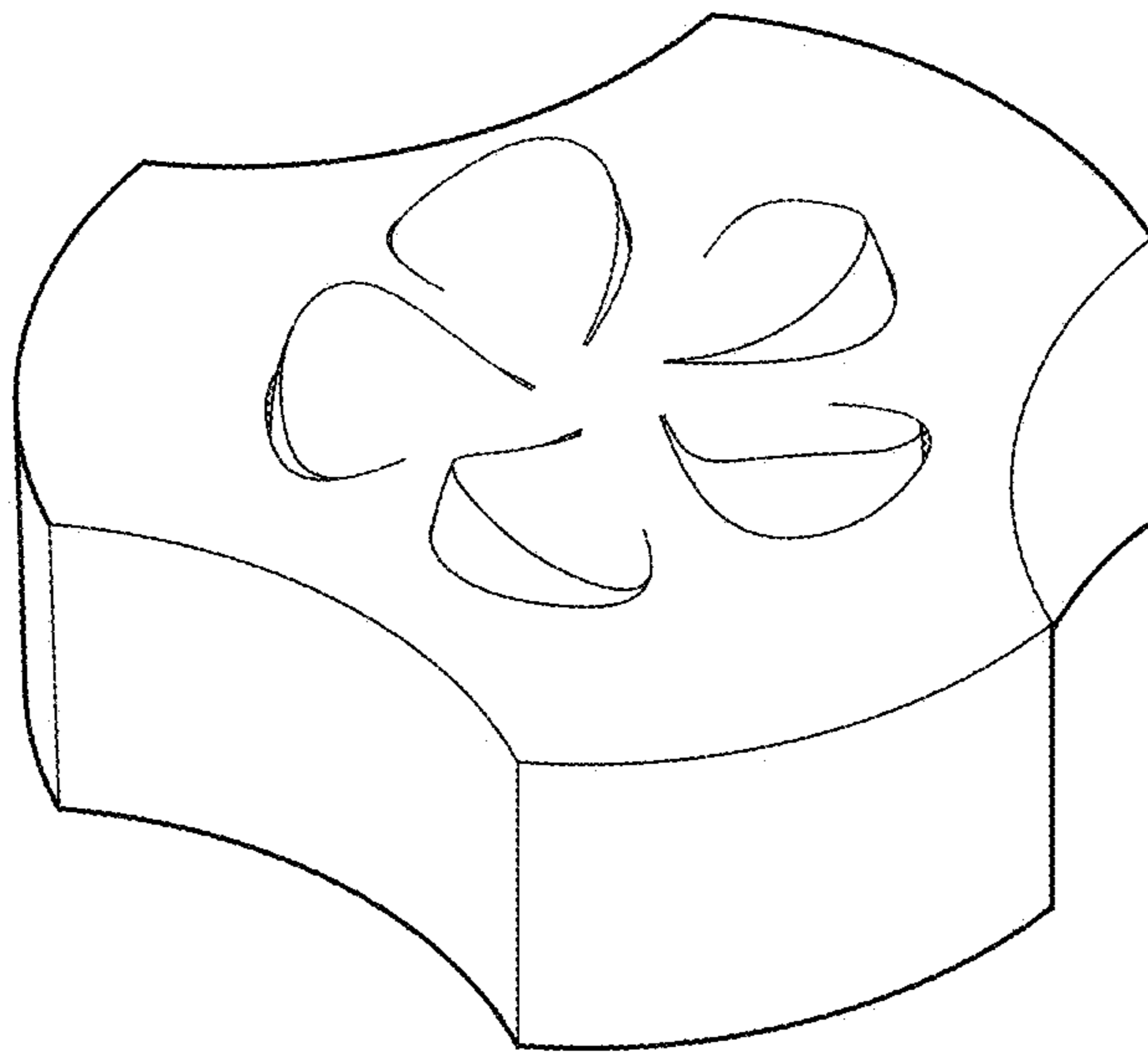


Fig. 1

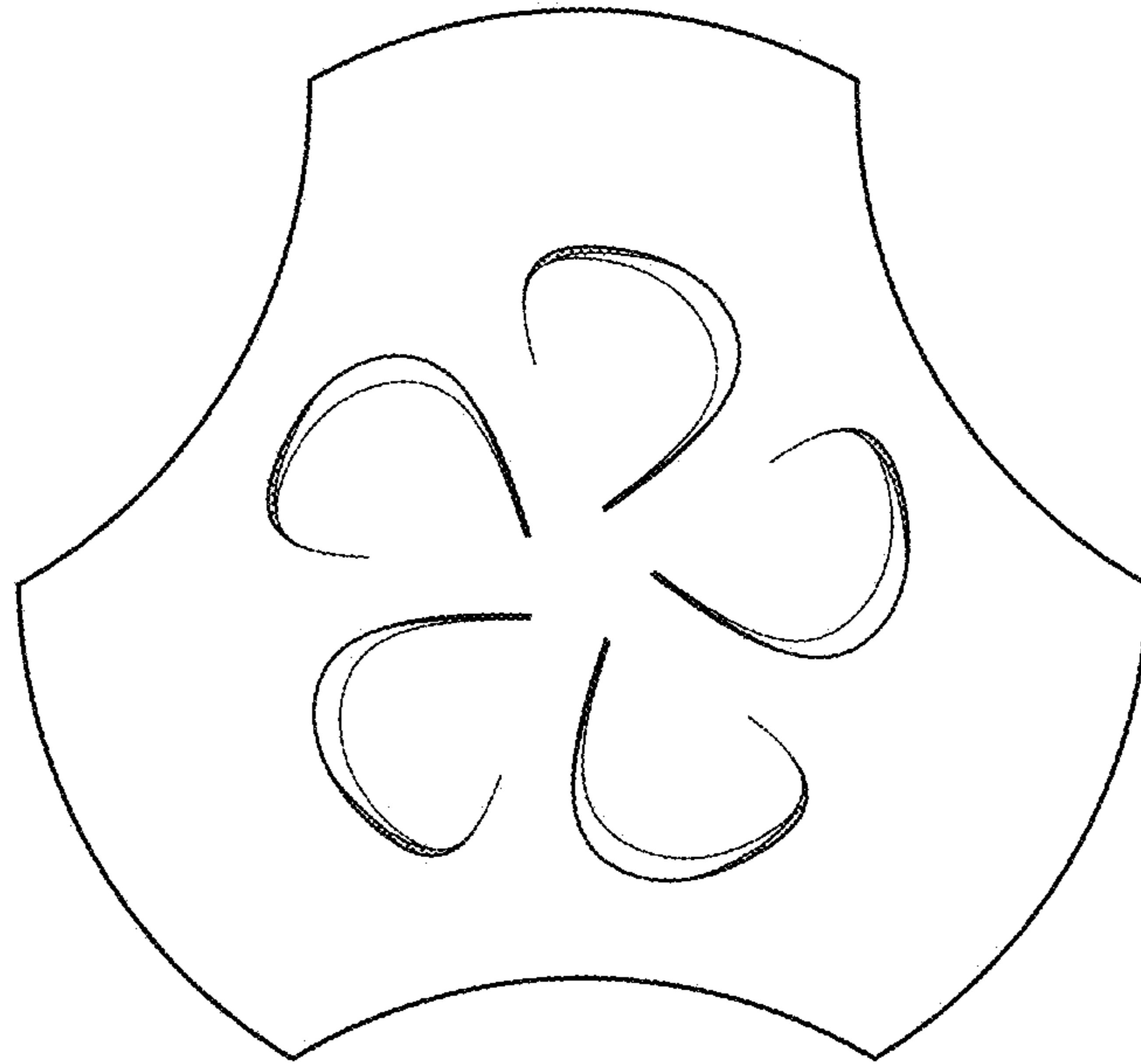


Fig. 2

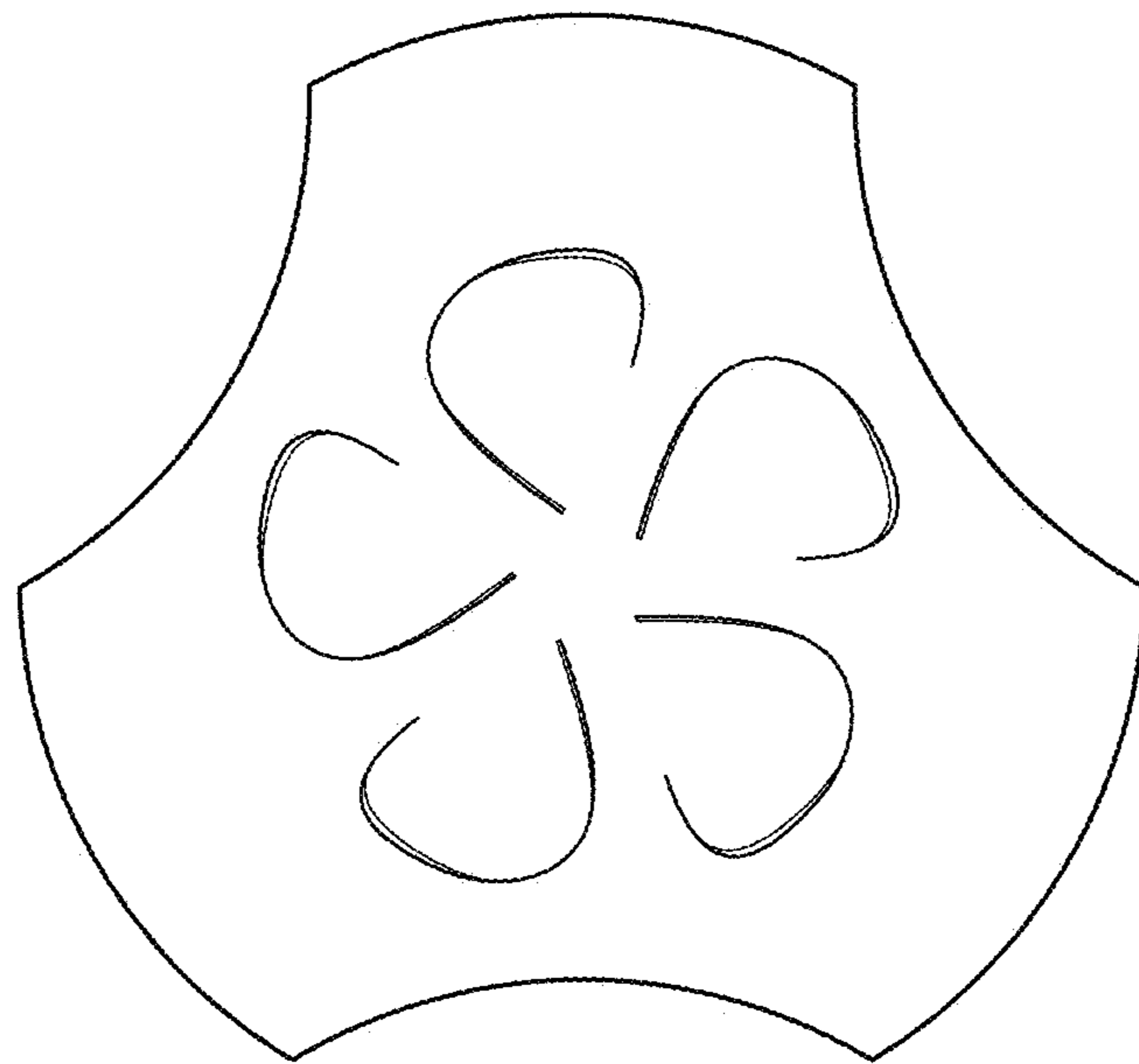


Fig. 3

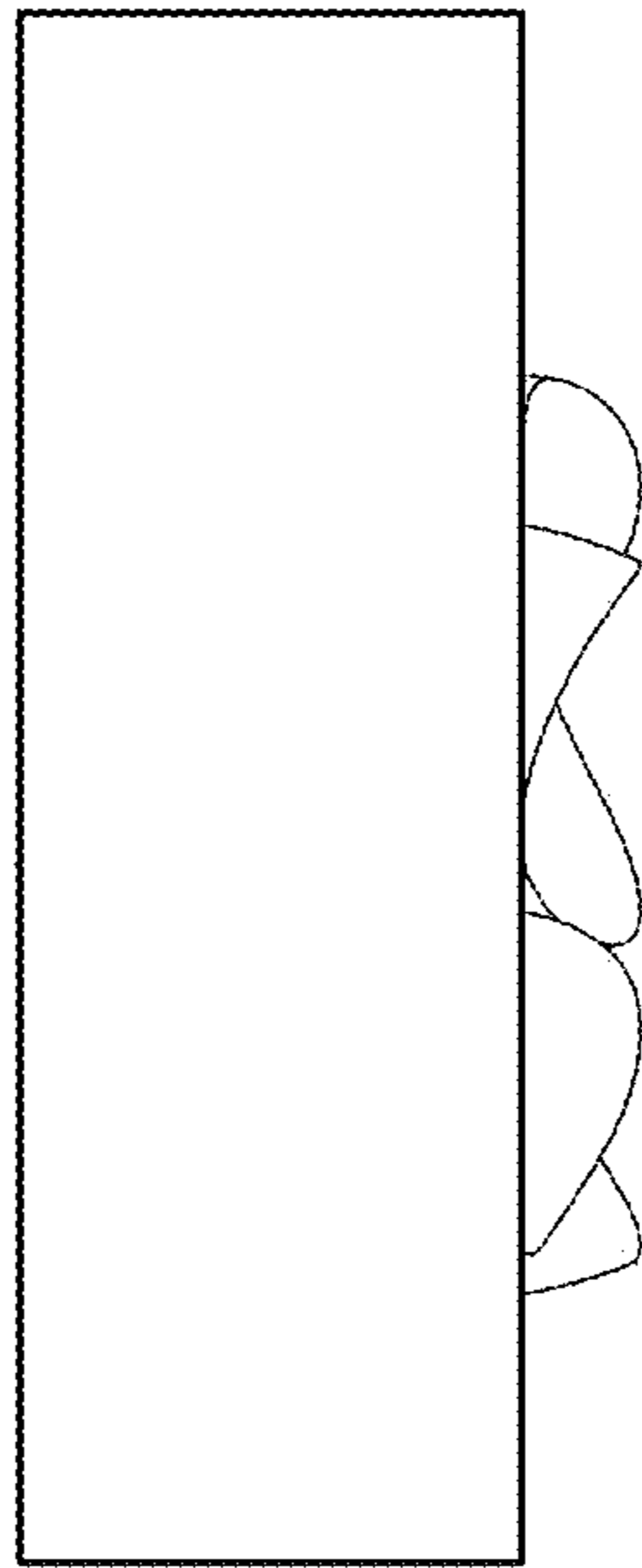


Fig. 4

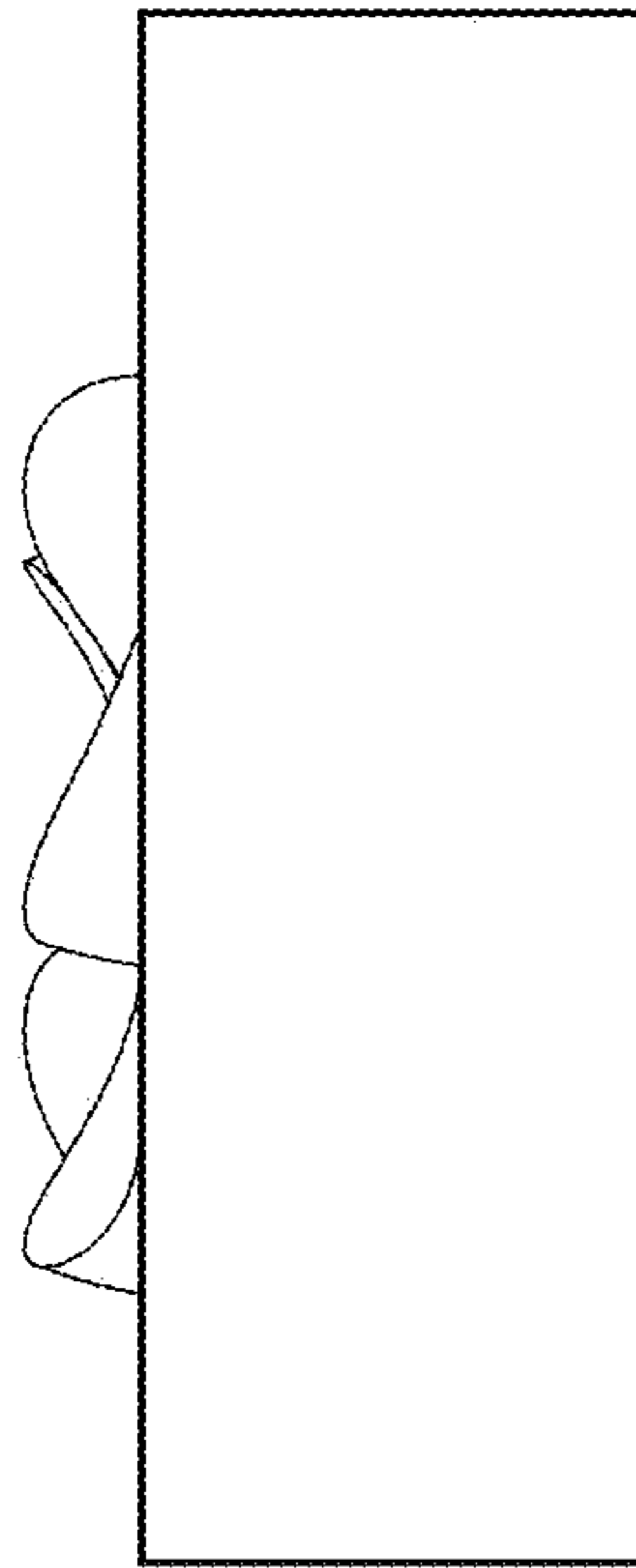


Fig. 5



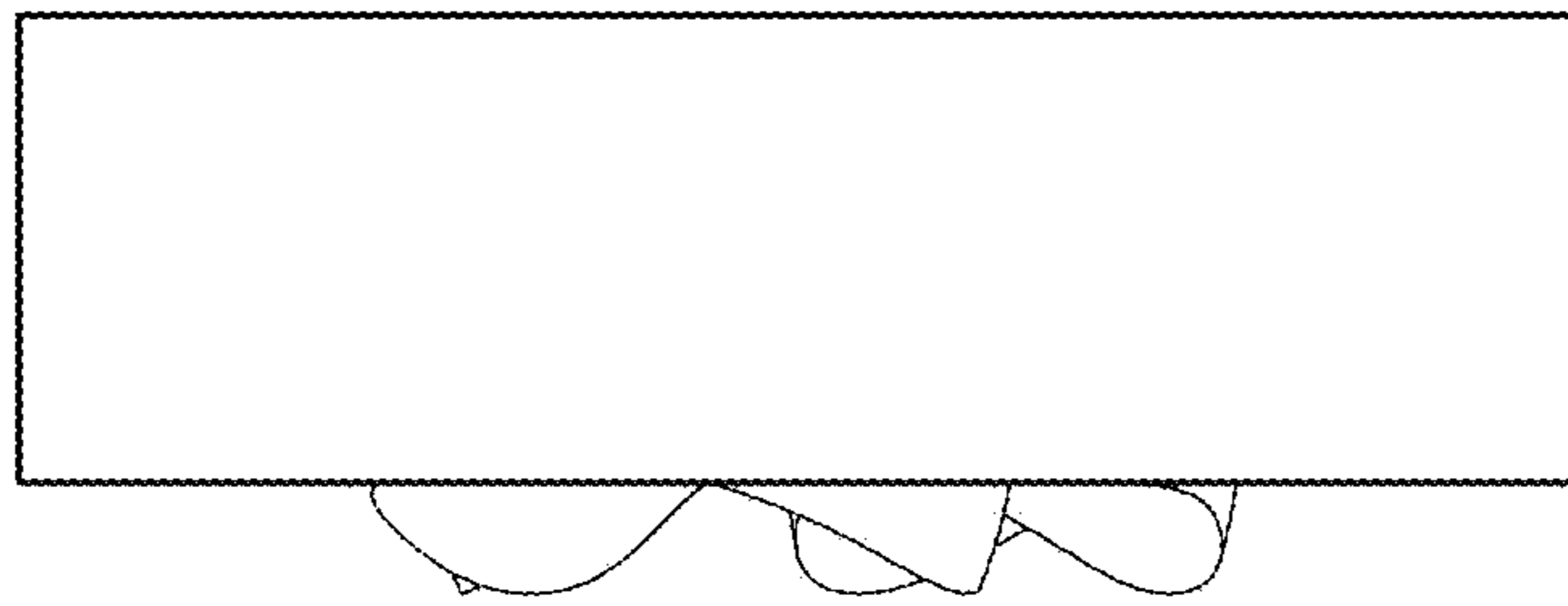


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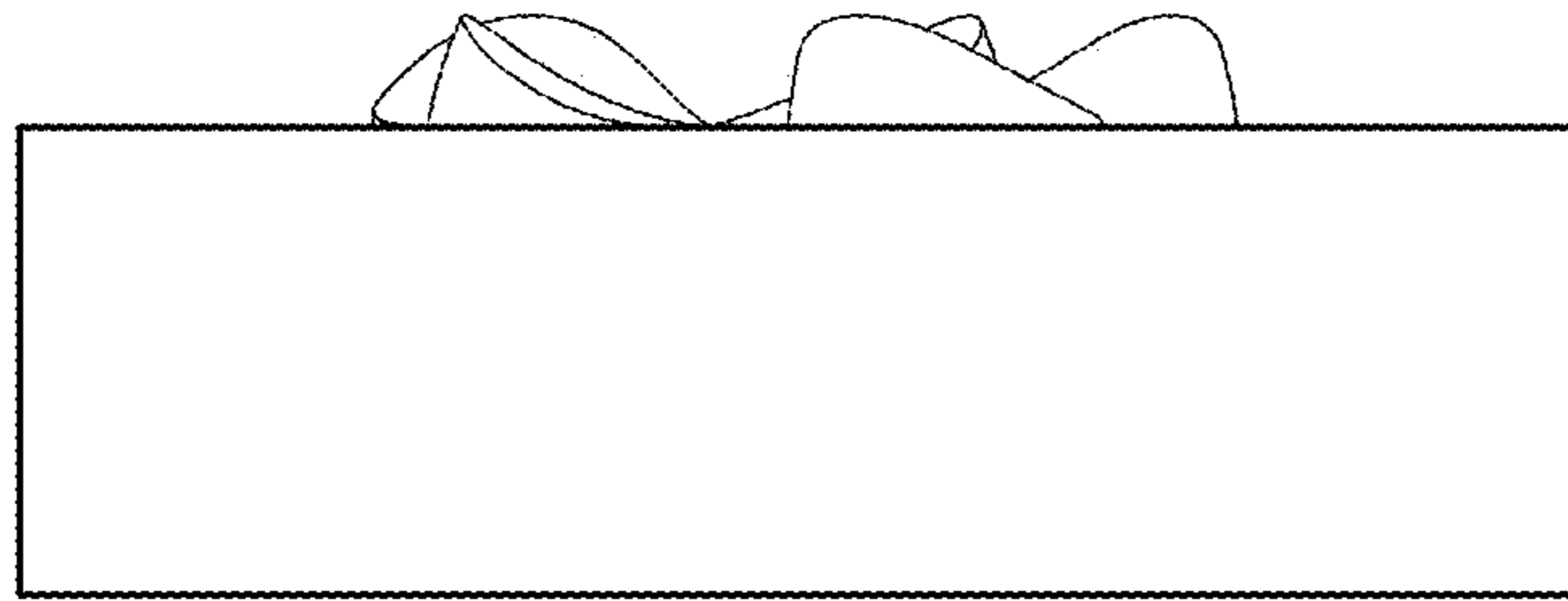


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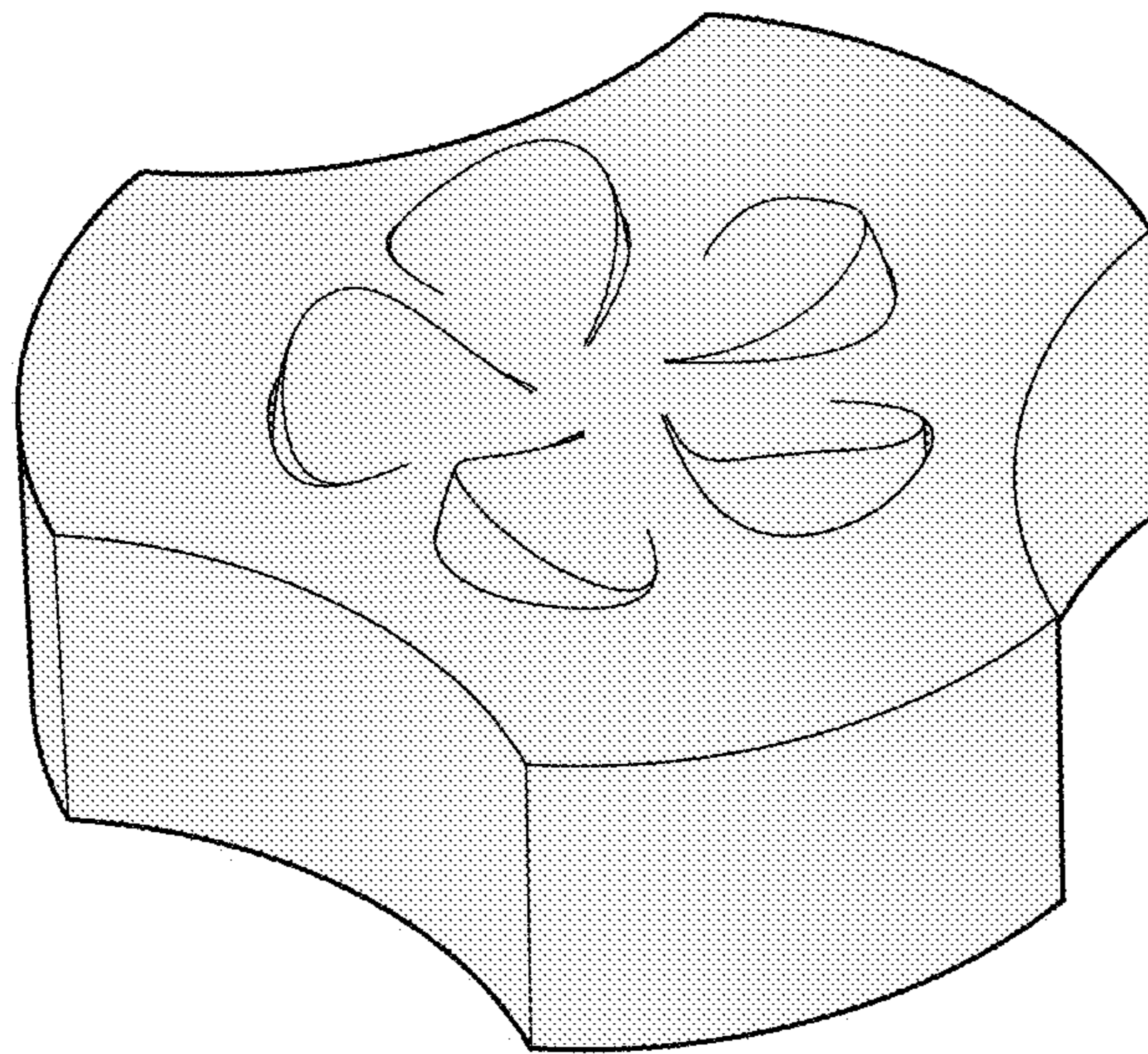


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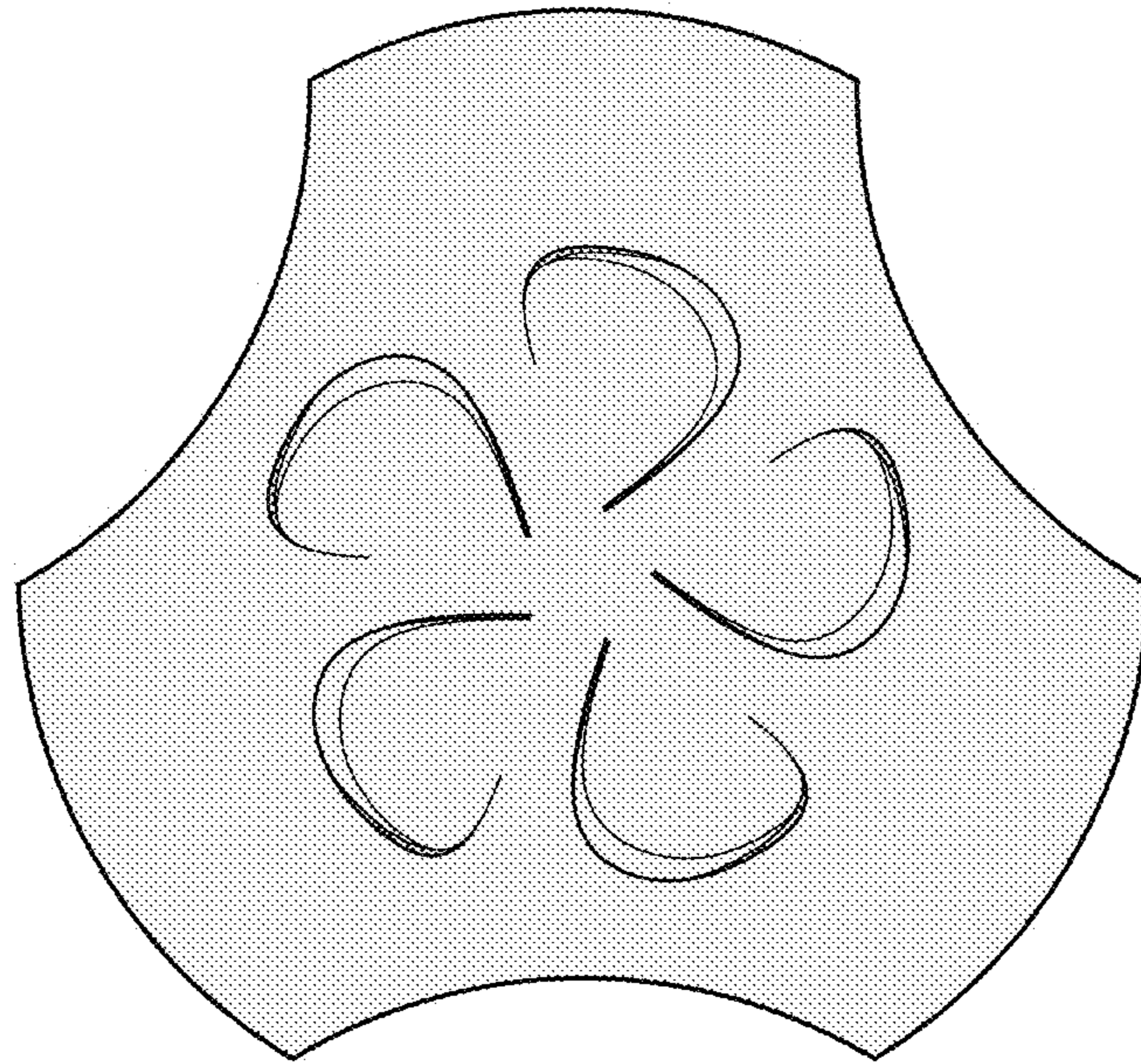


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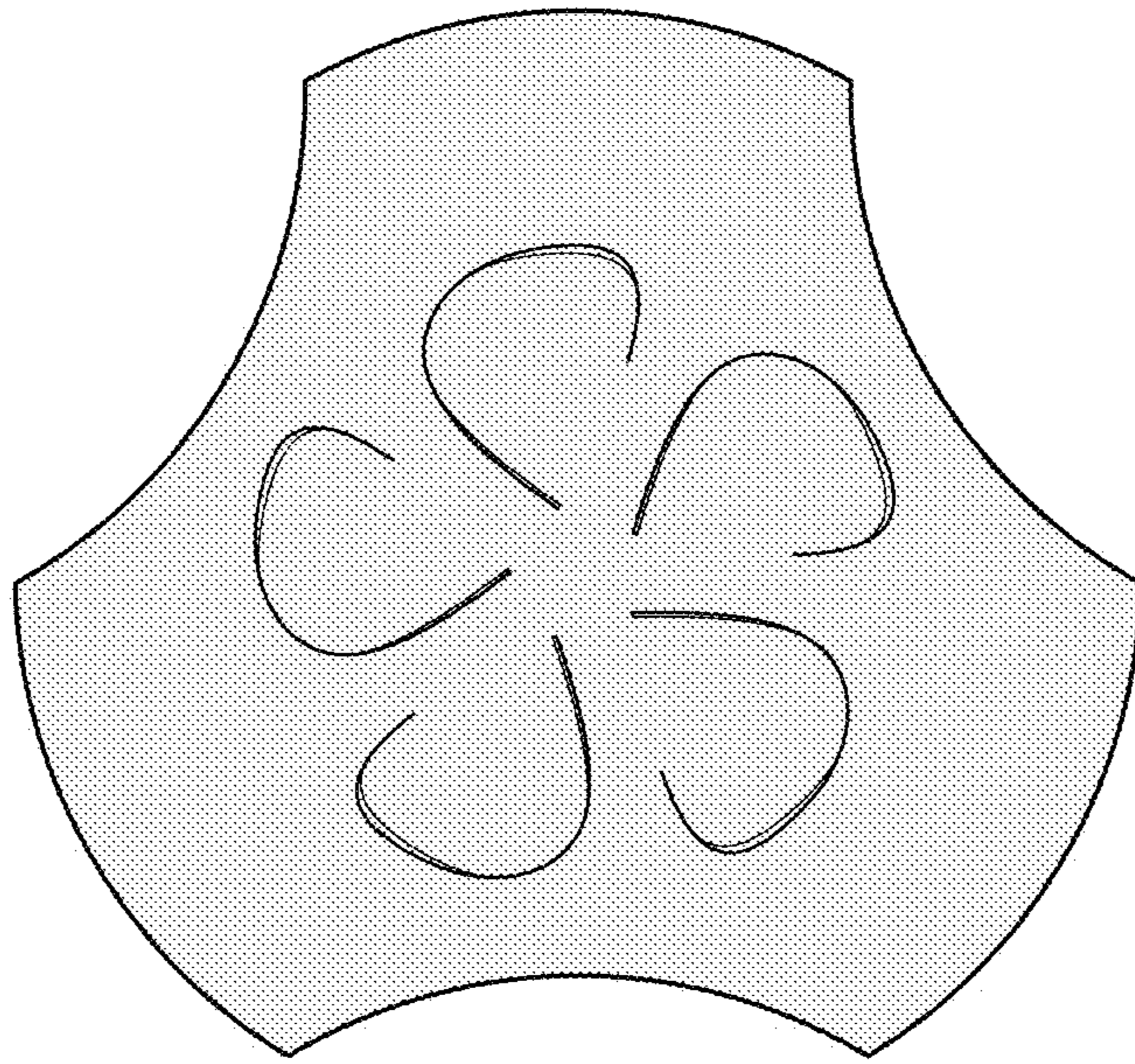


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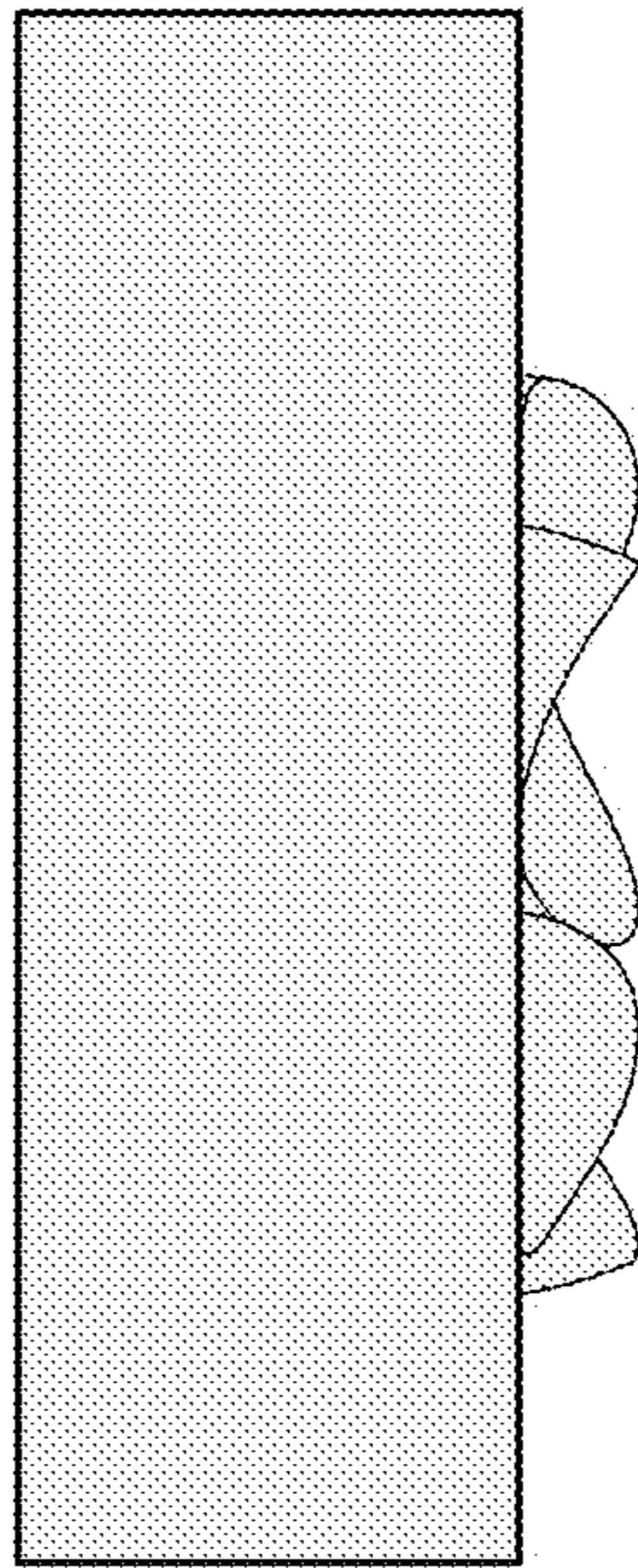


Fig. 11

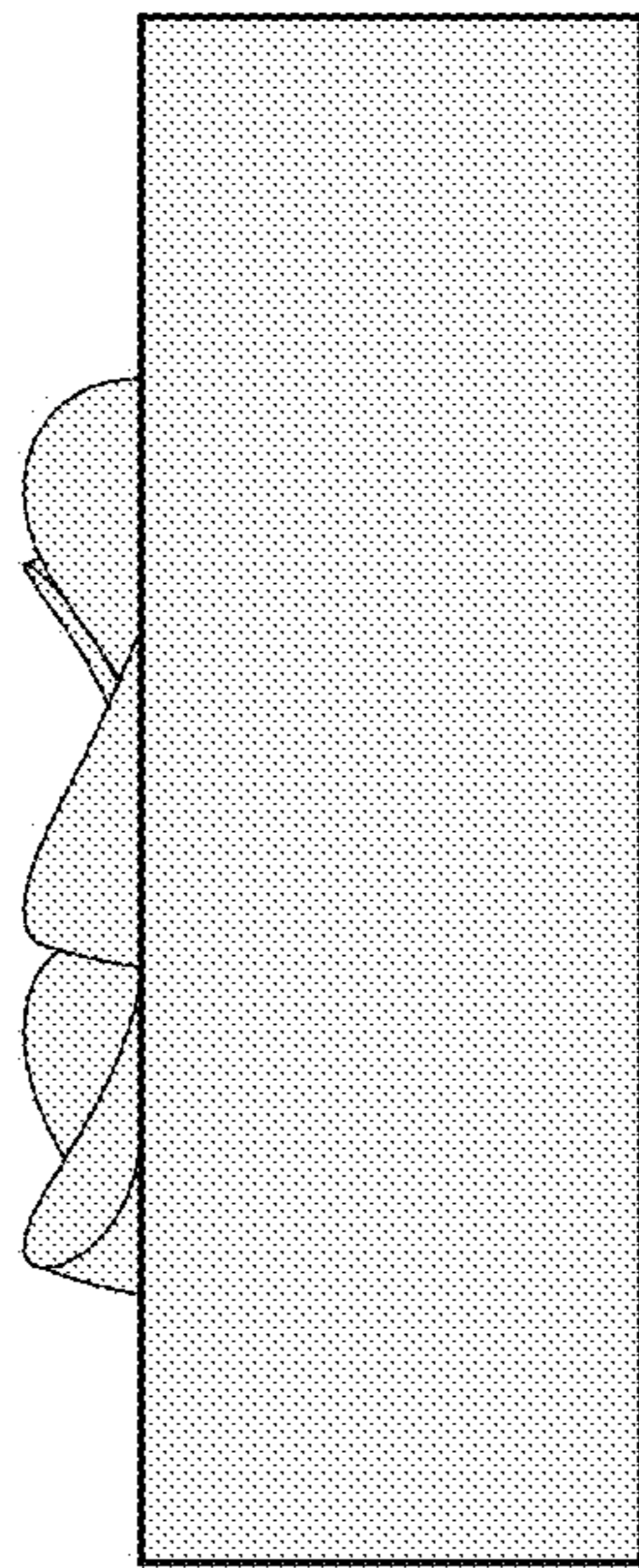


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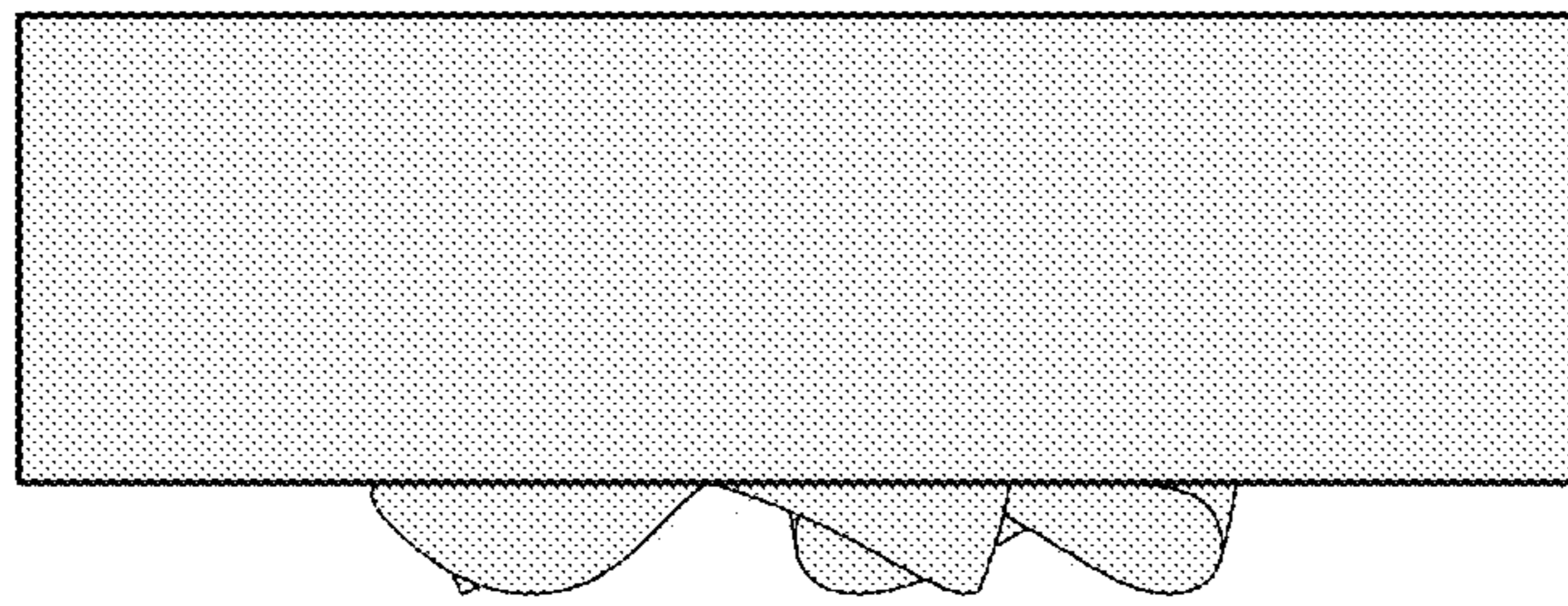


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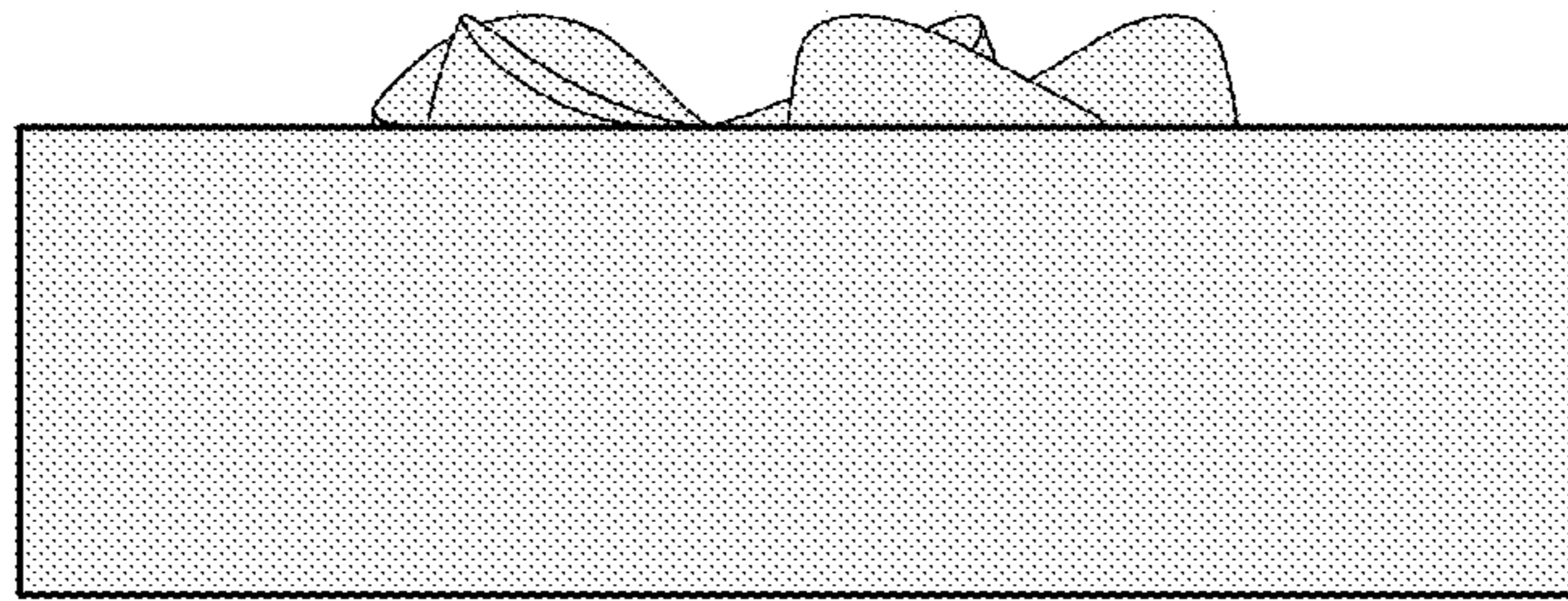


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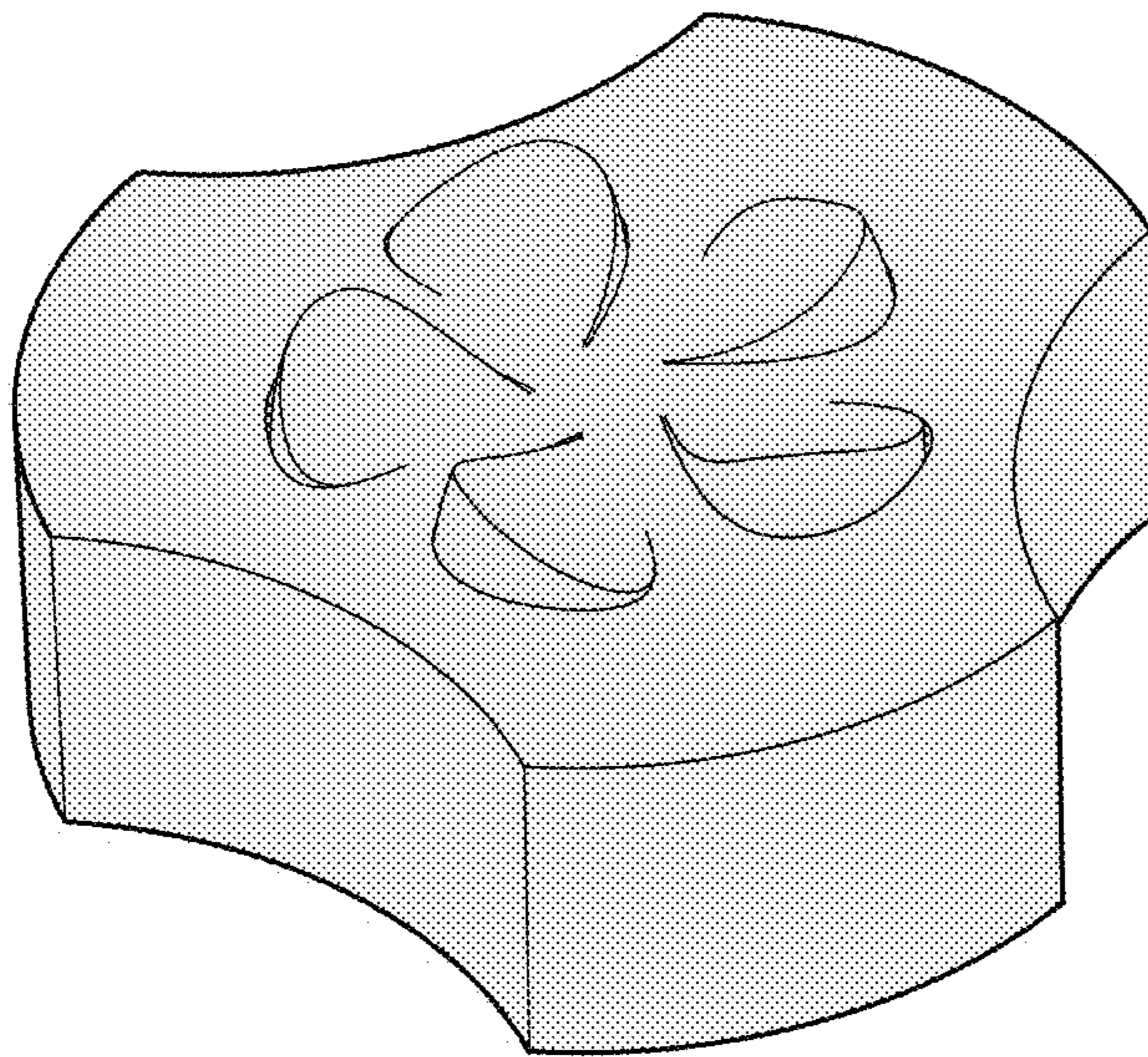


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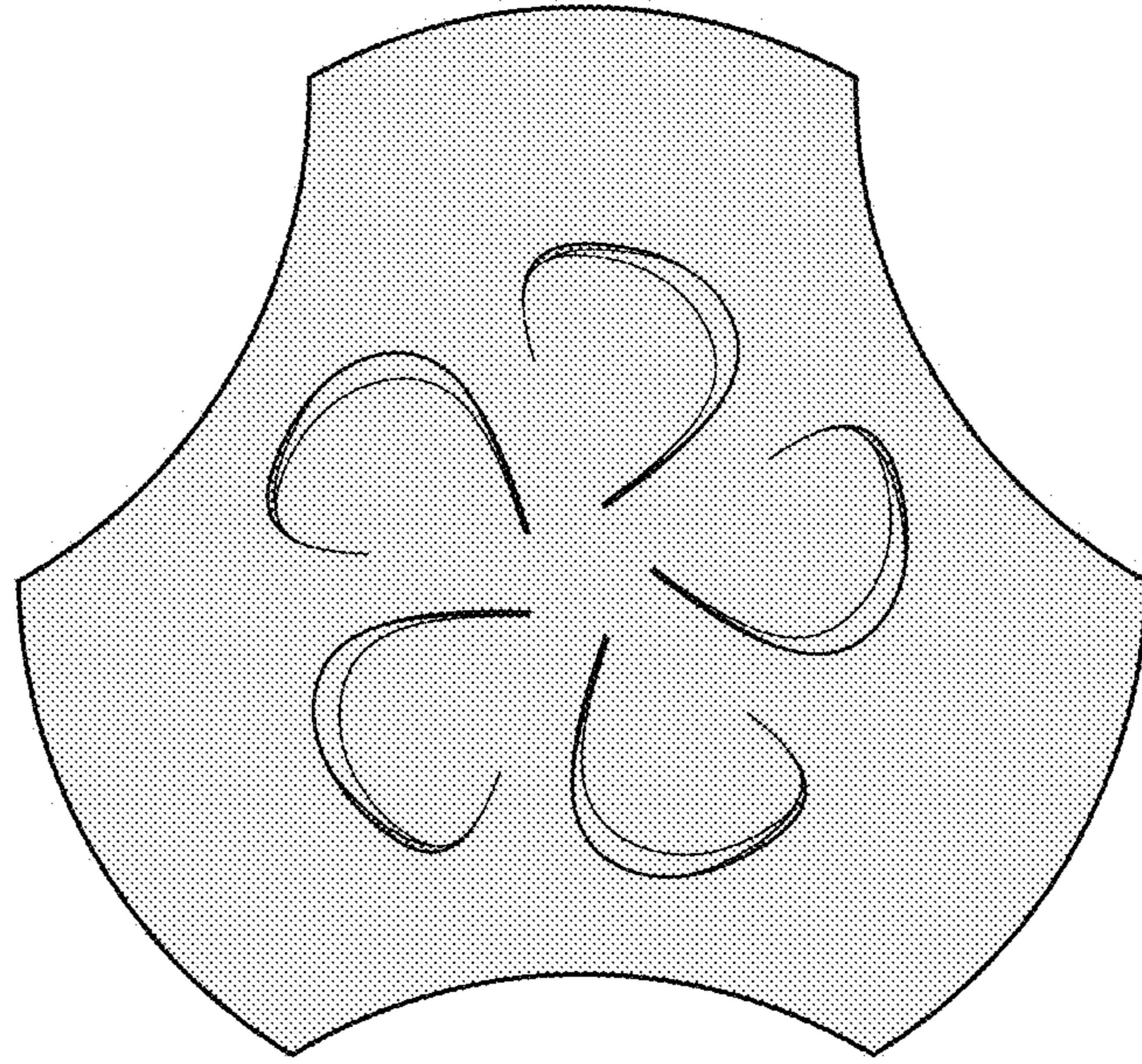


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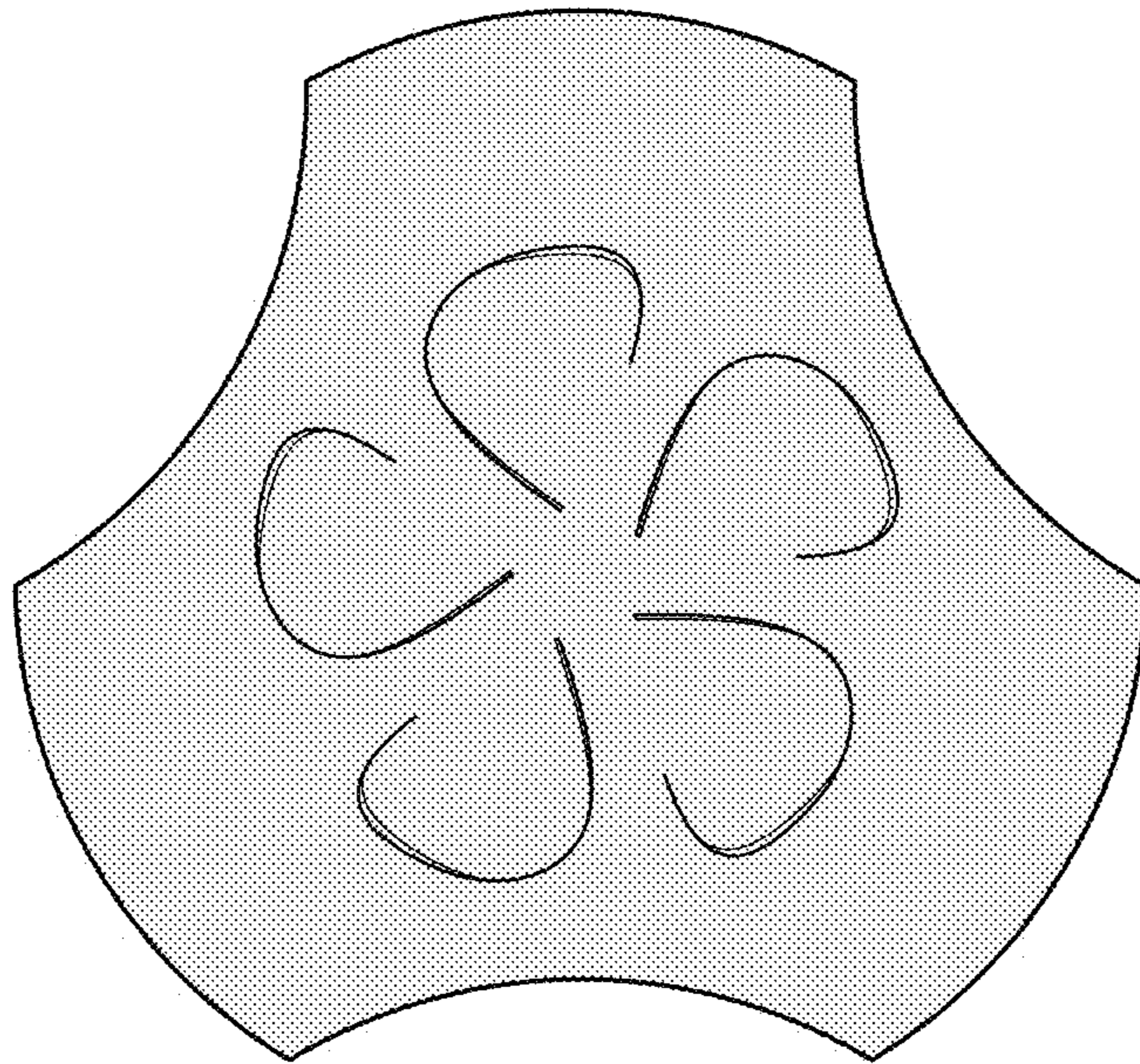


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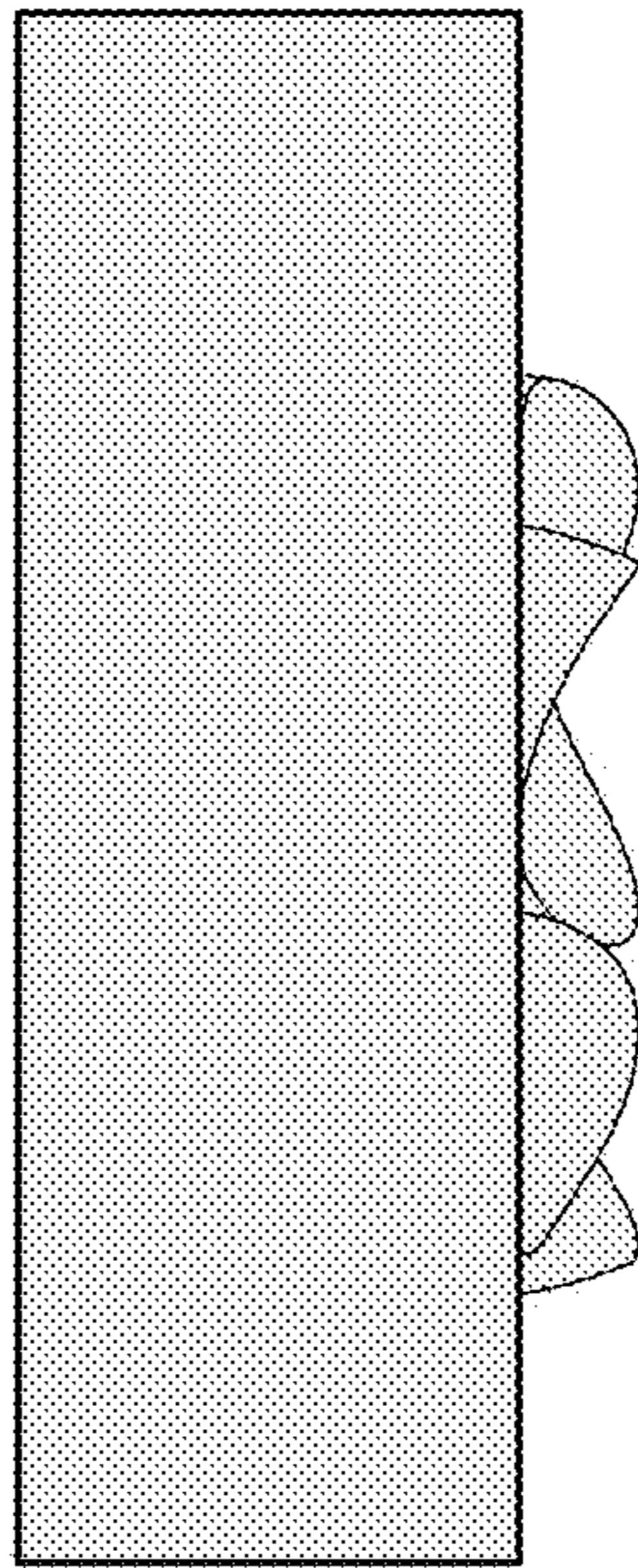


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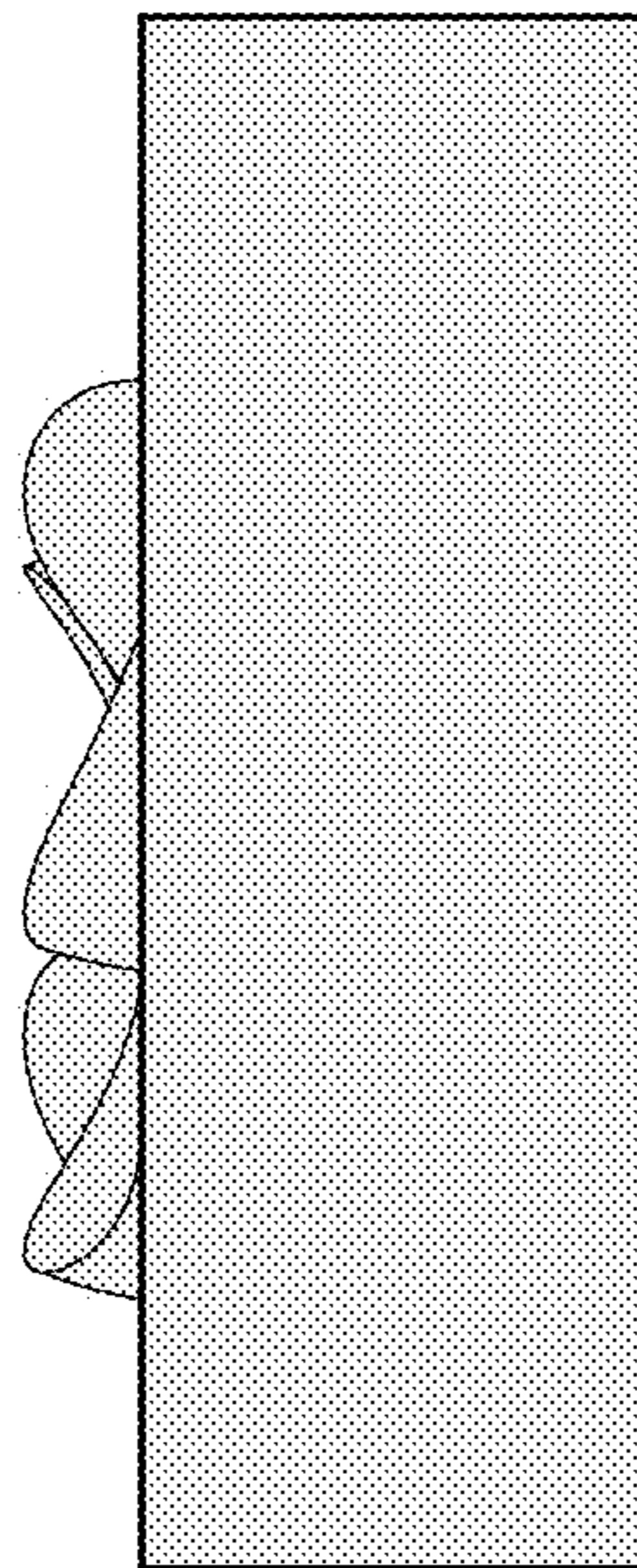


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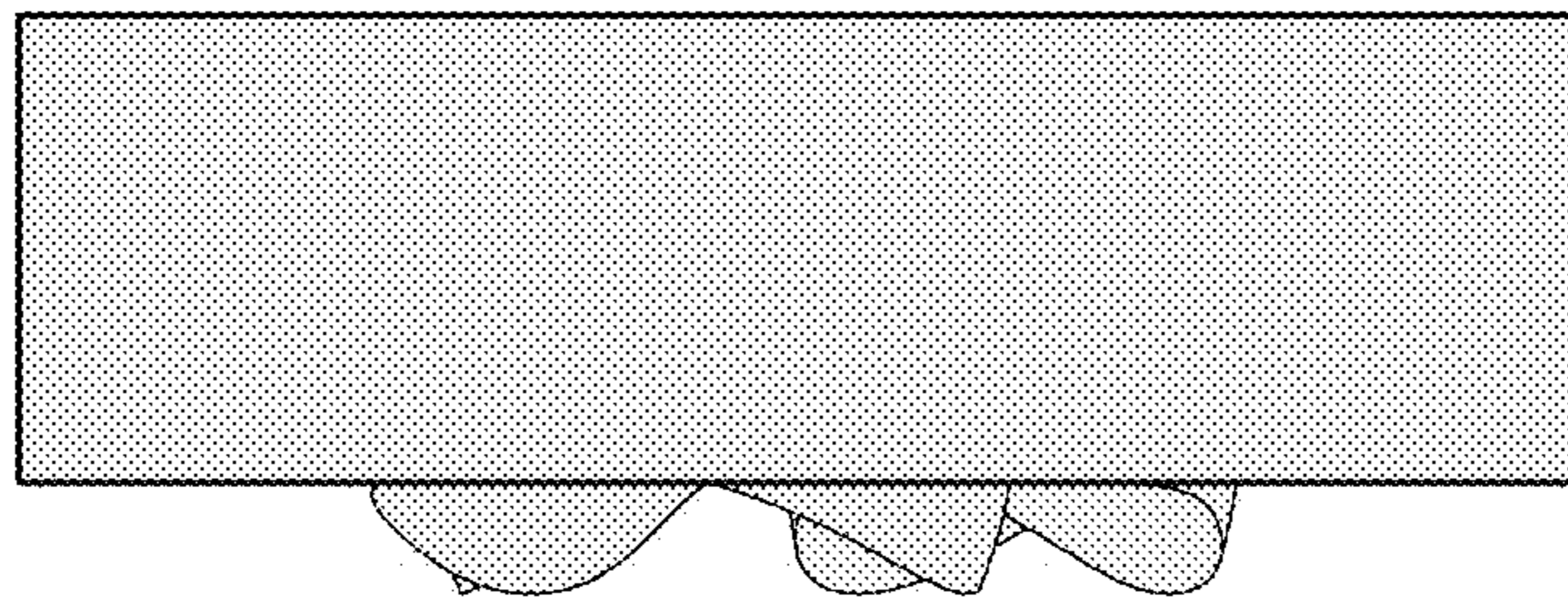


Fig. 20

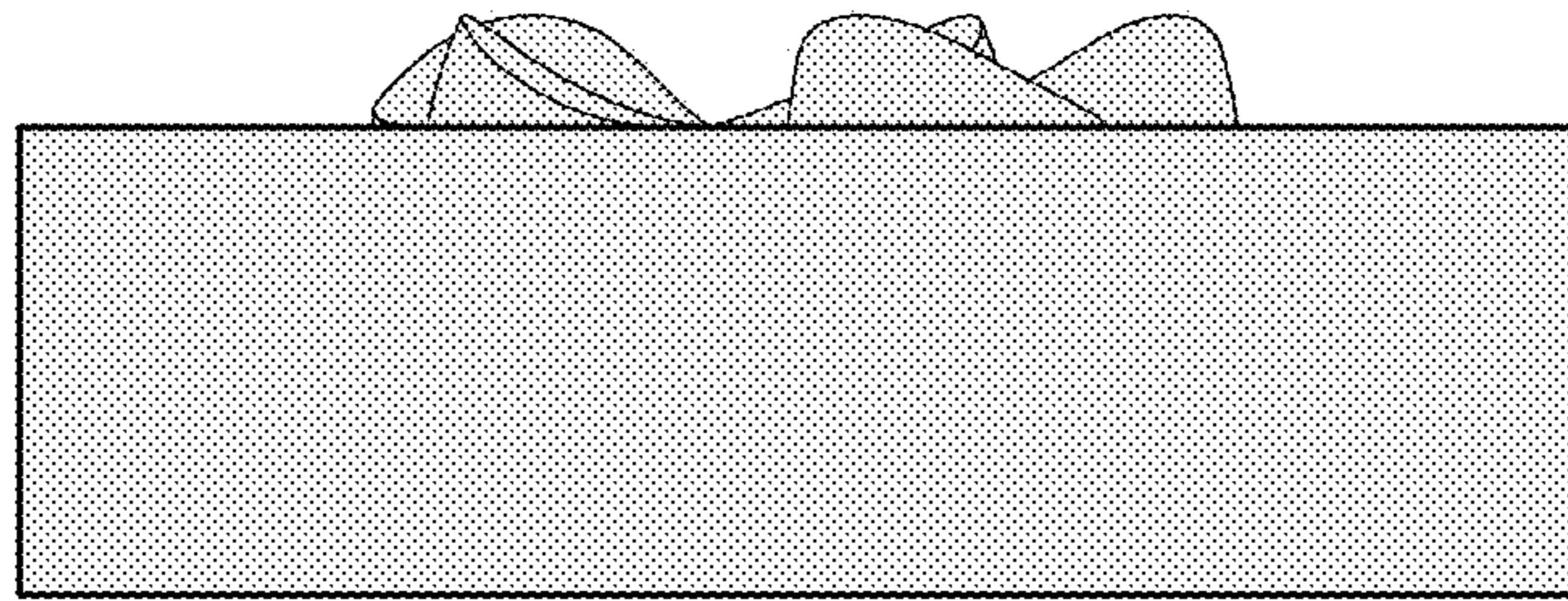


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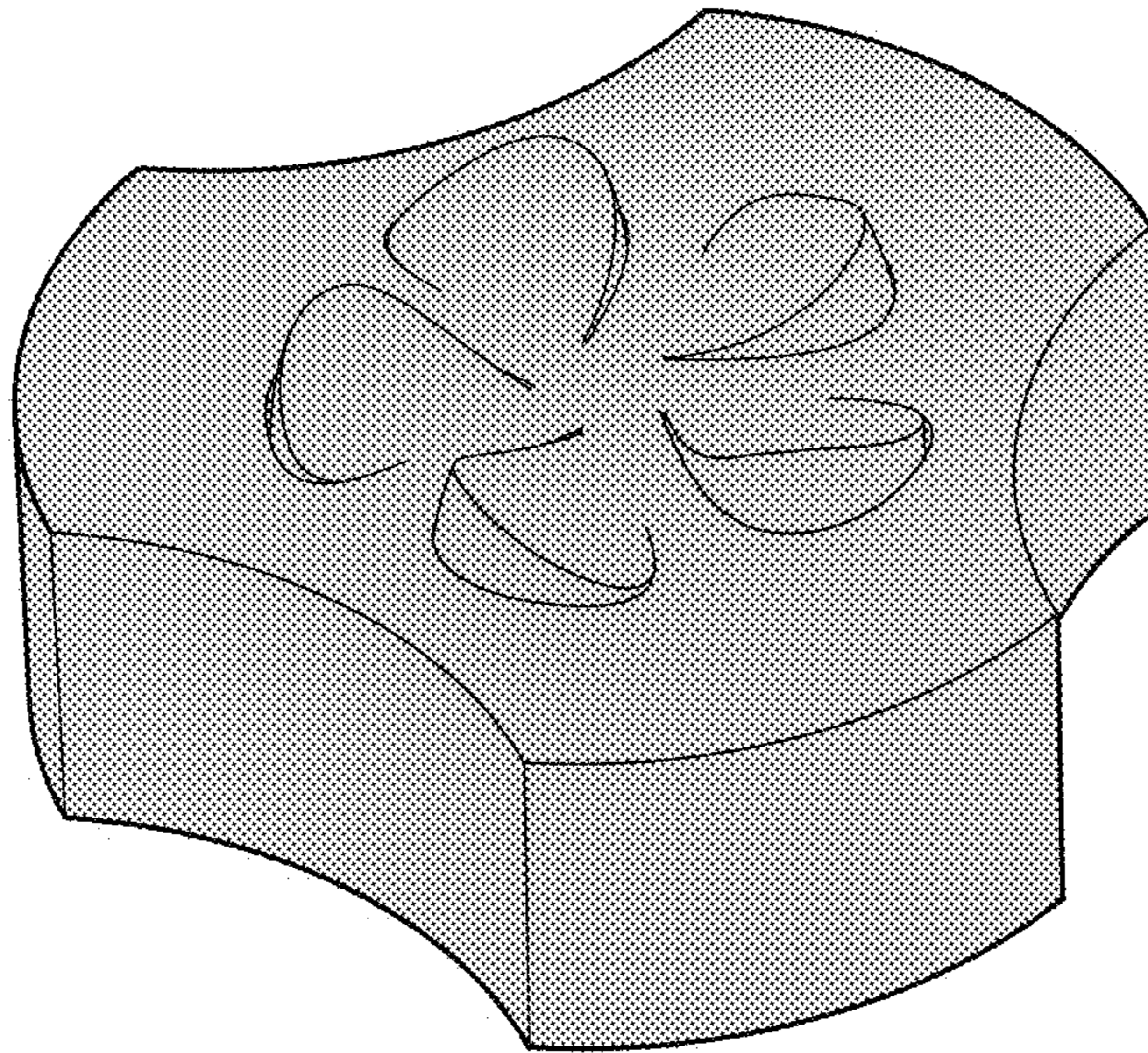


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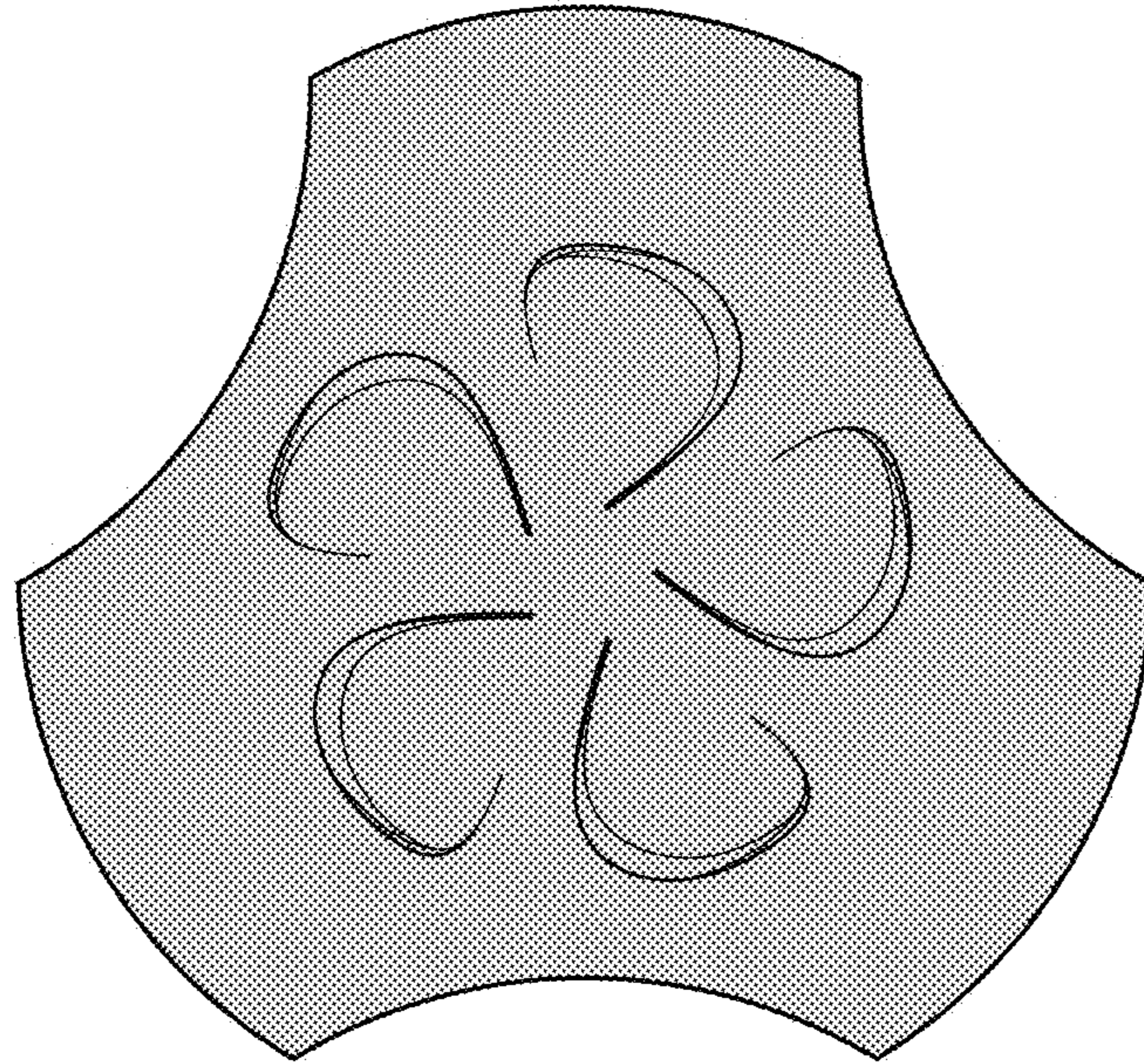


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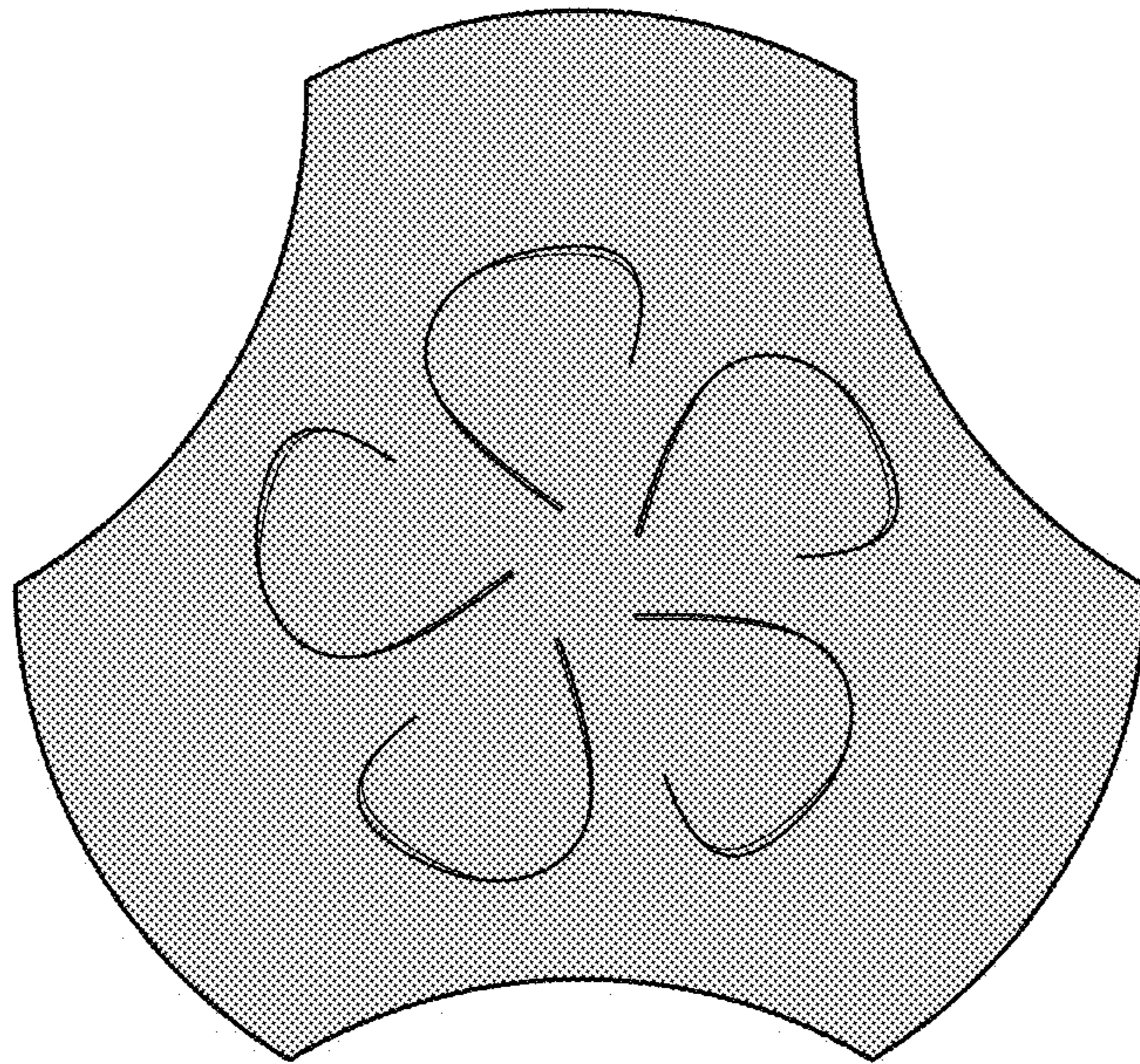


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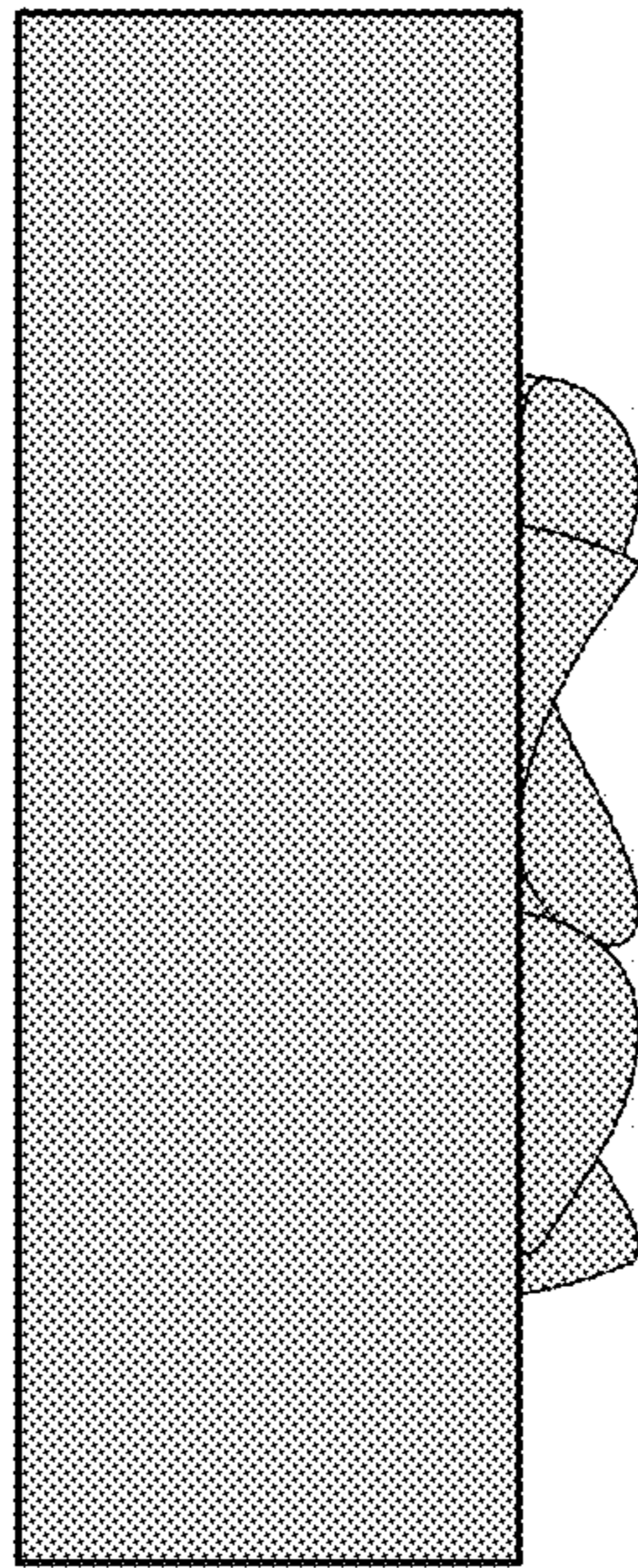


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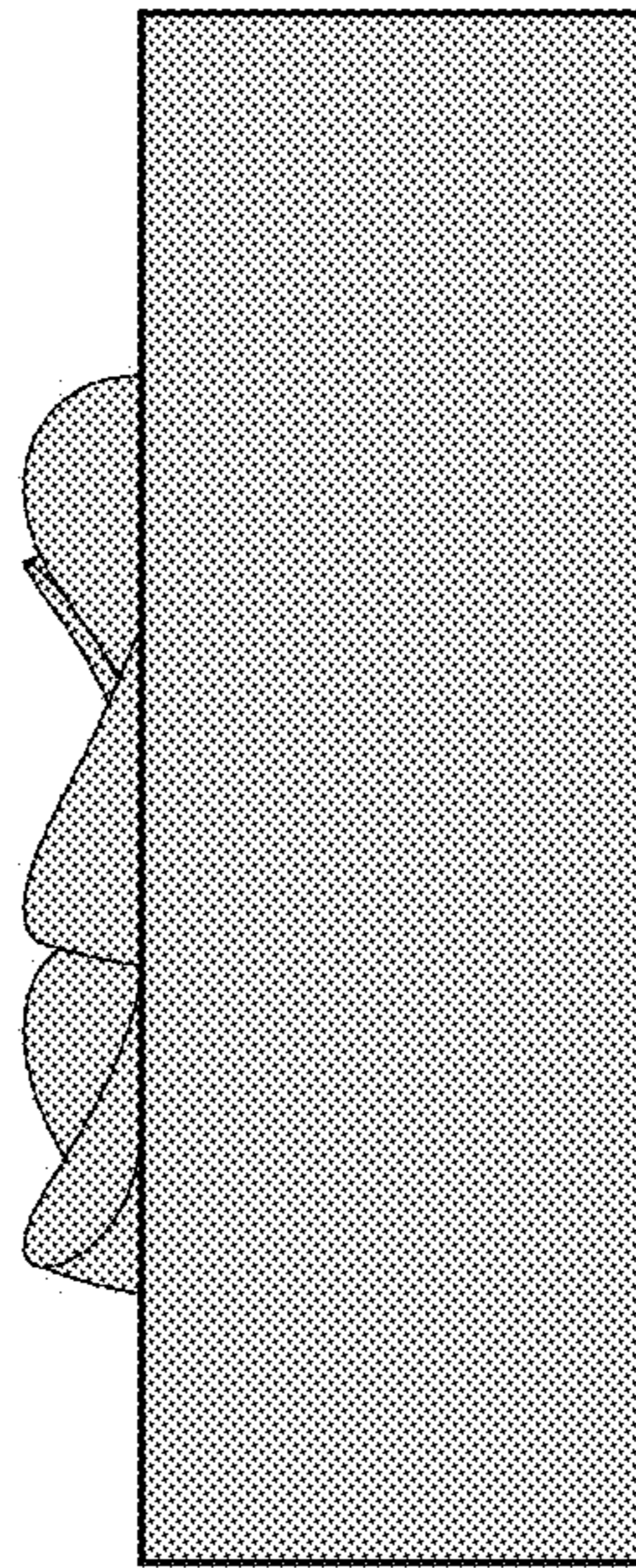


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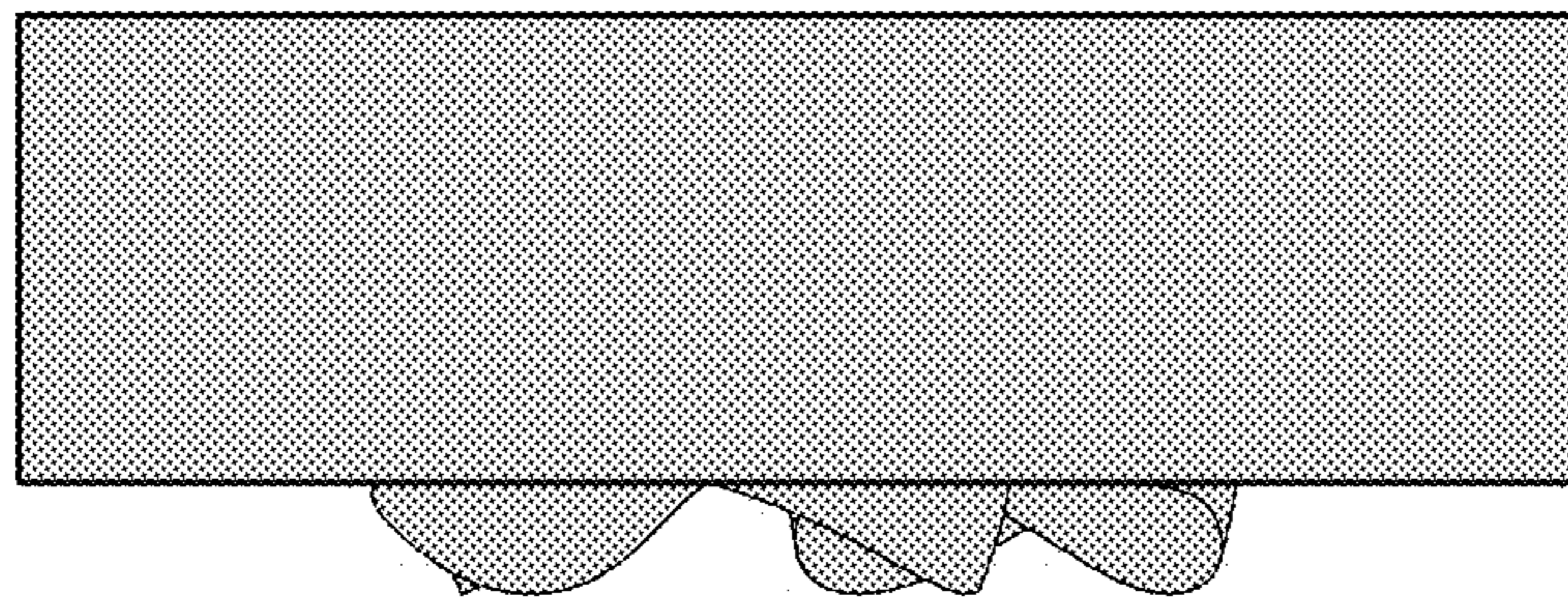


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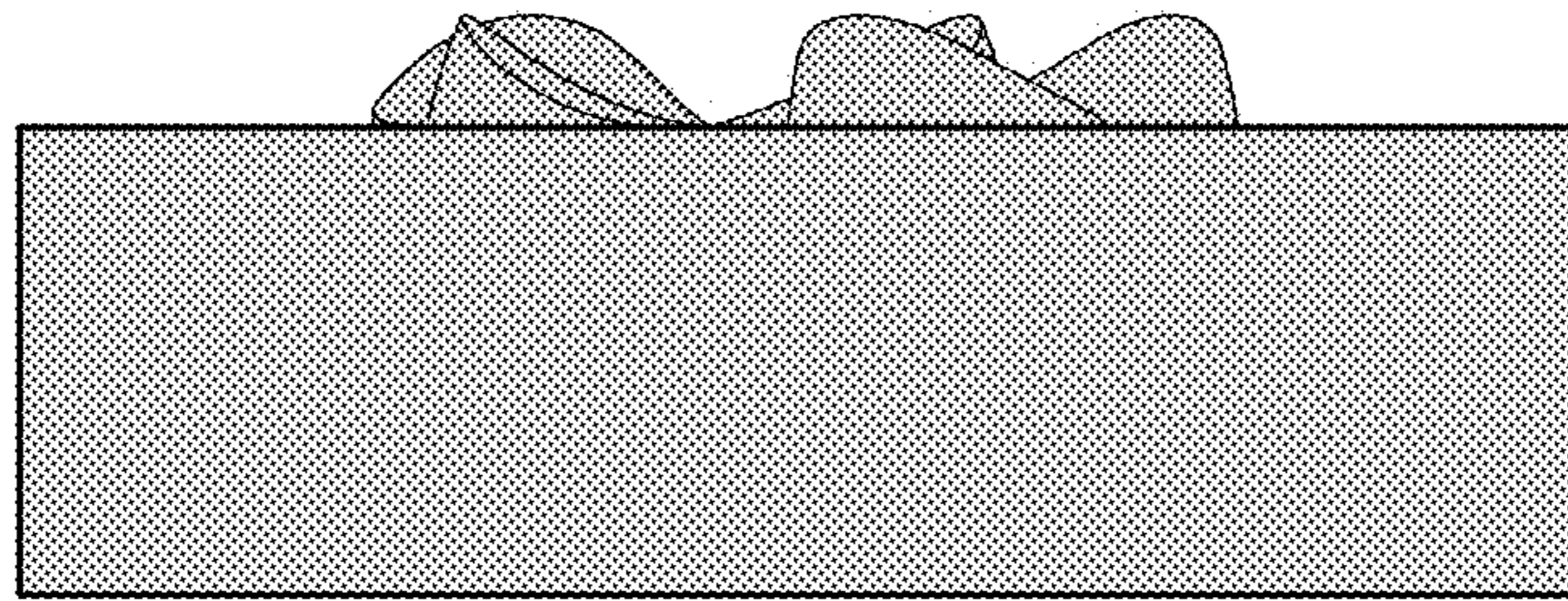


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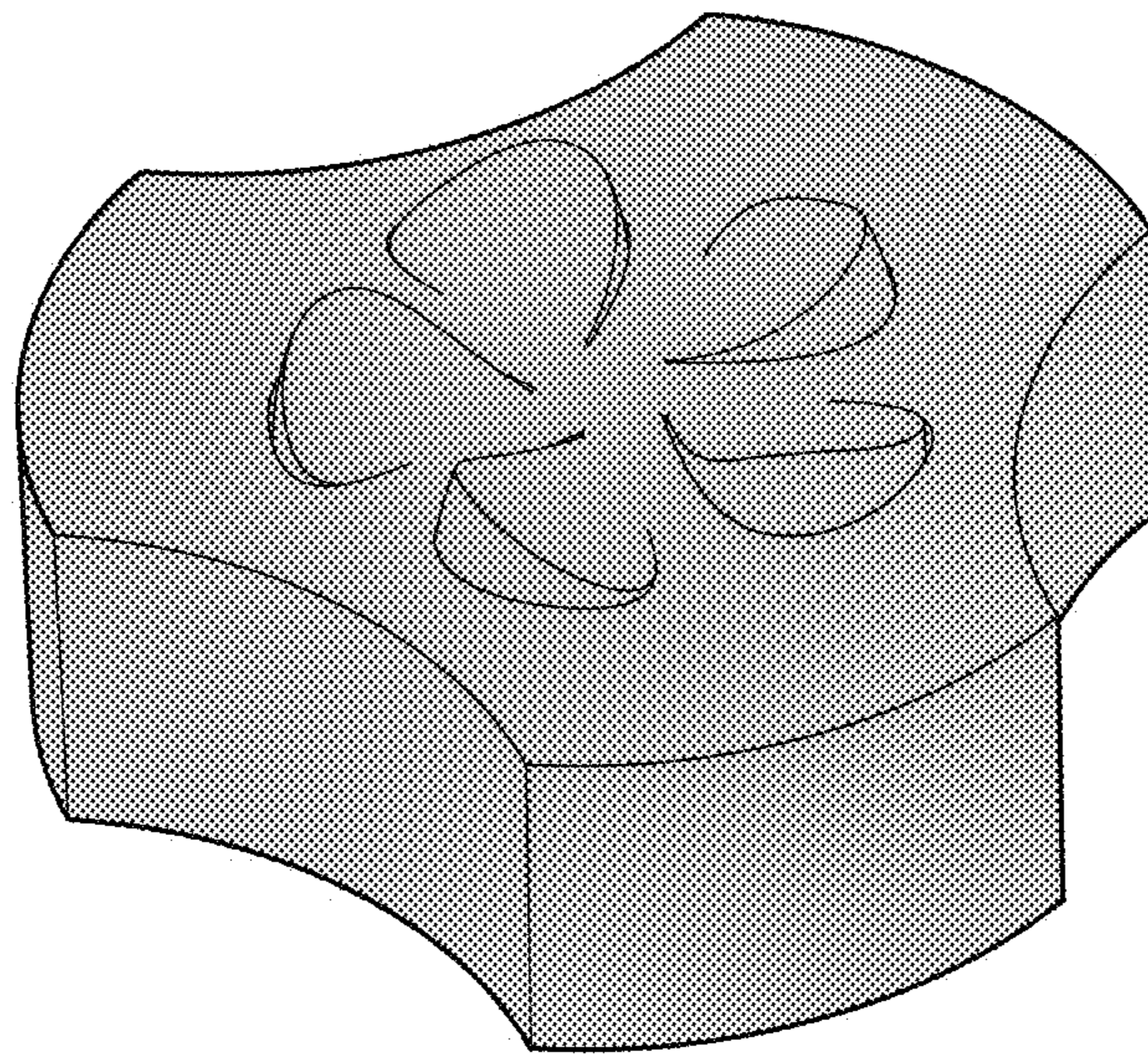


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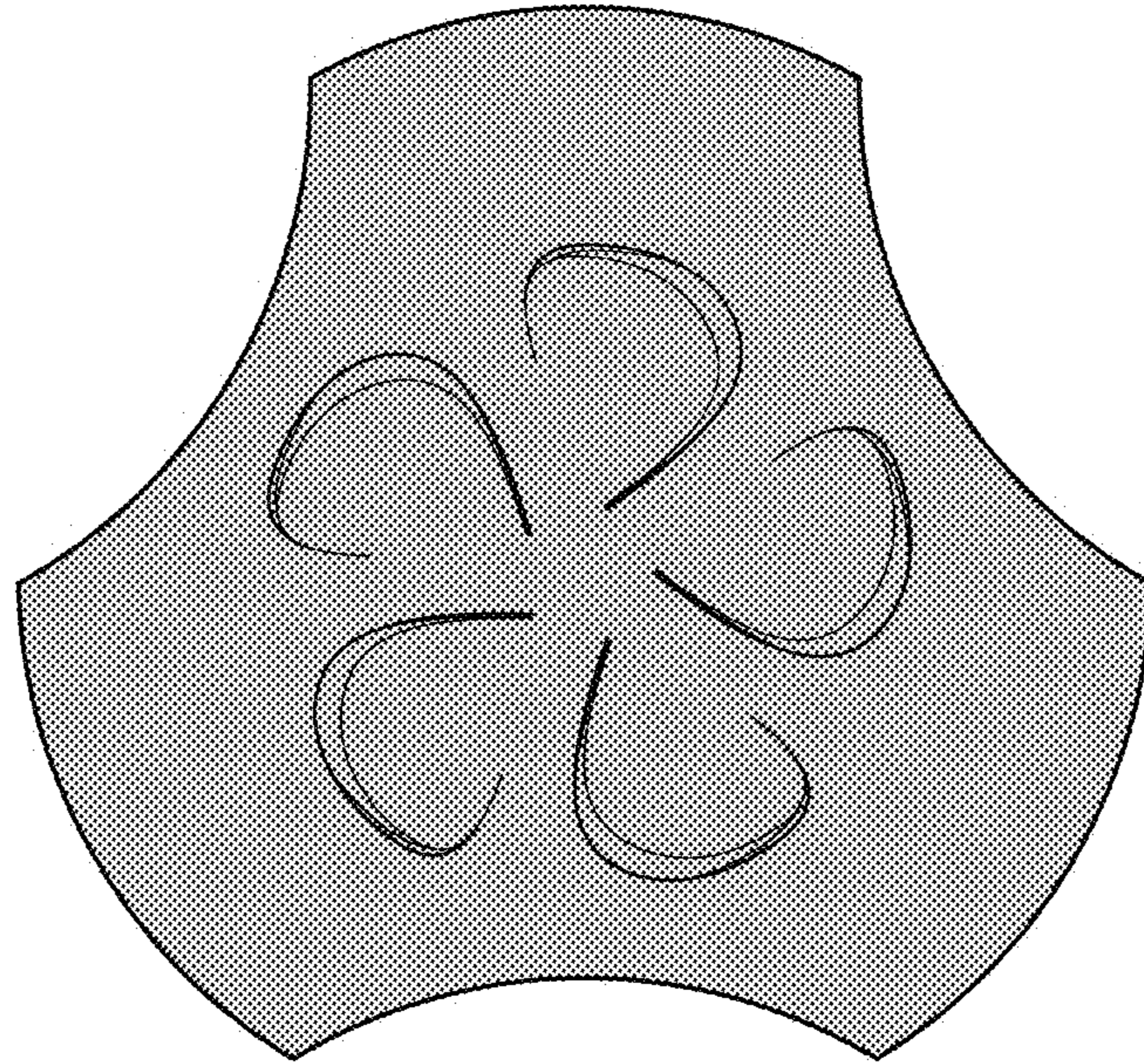


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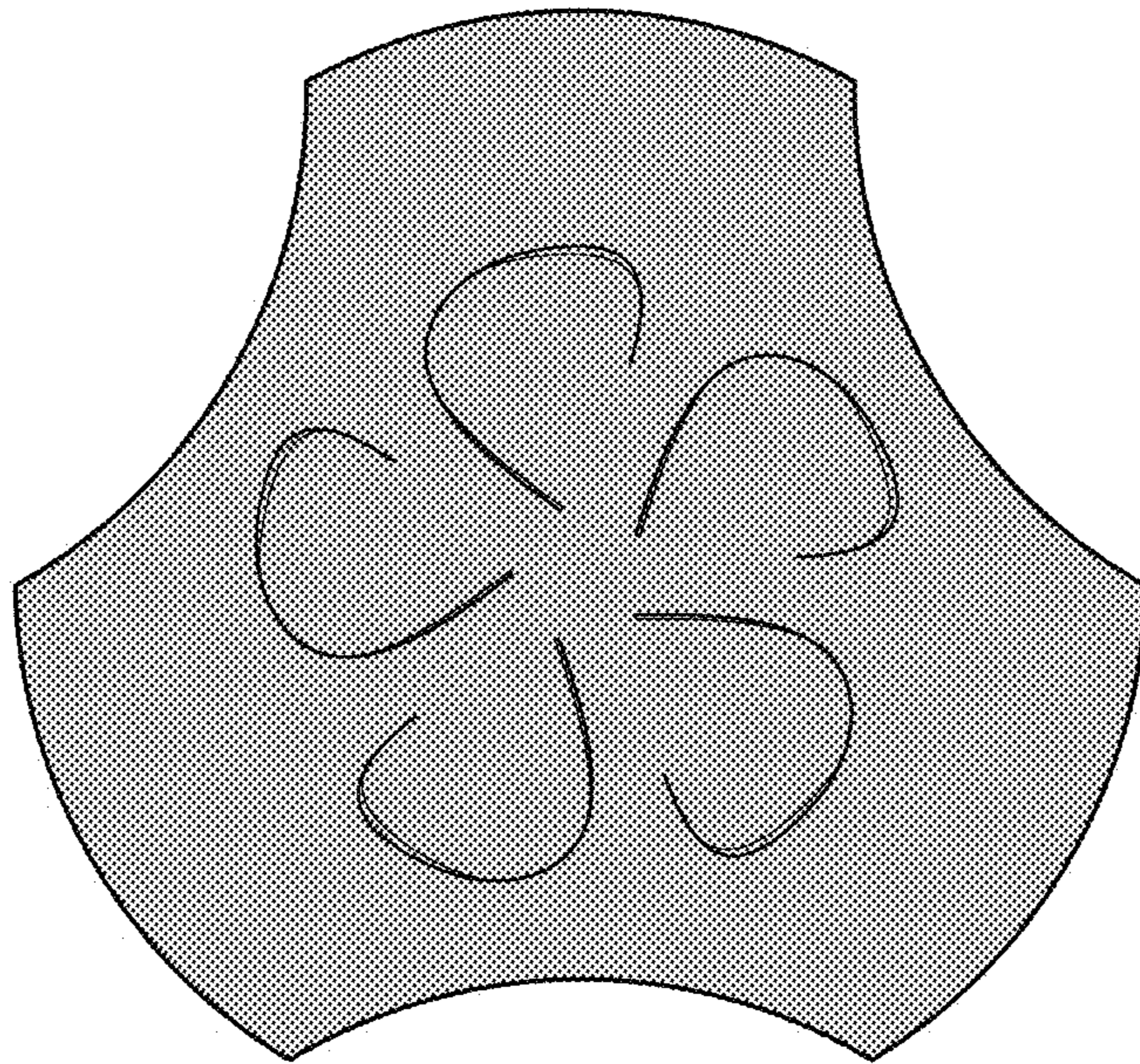


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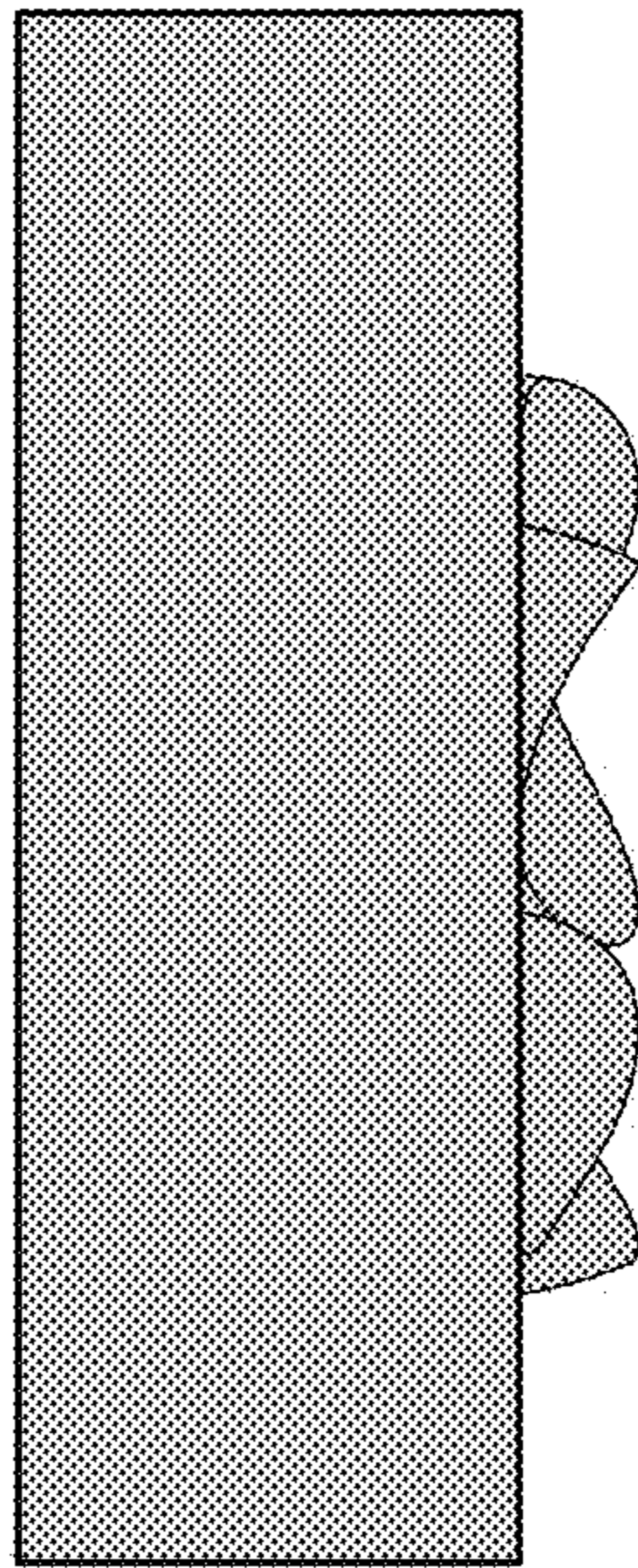


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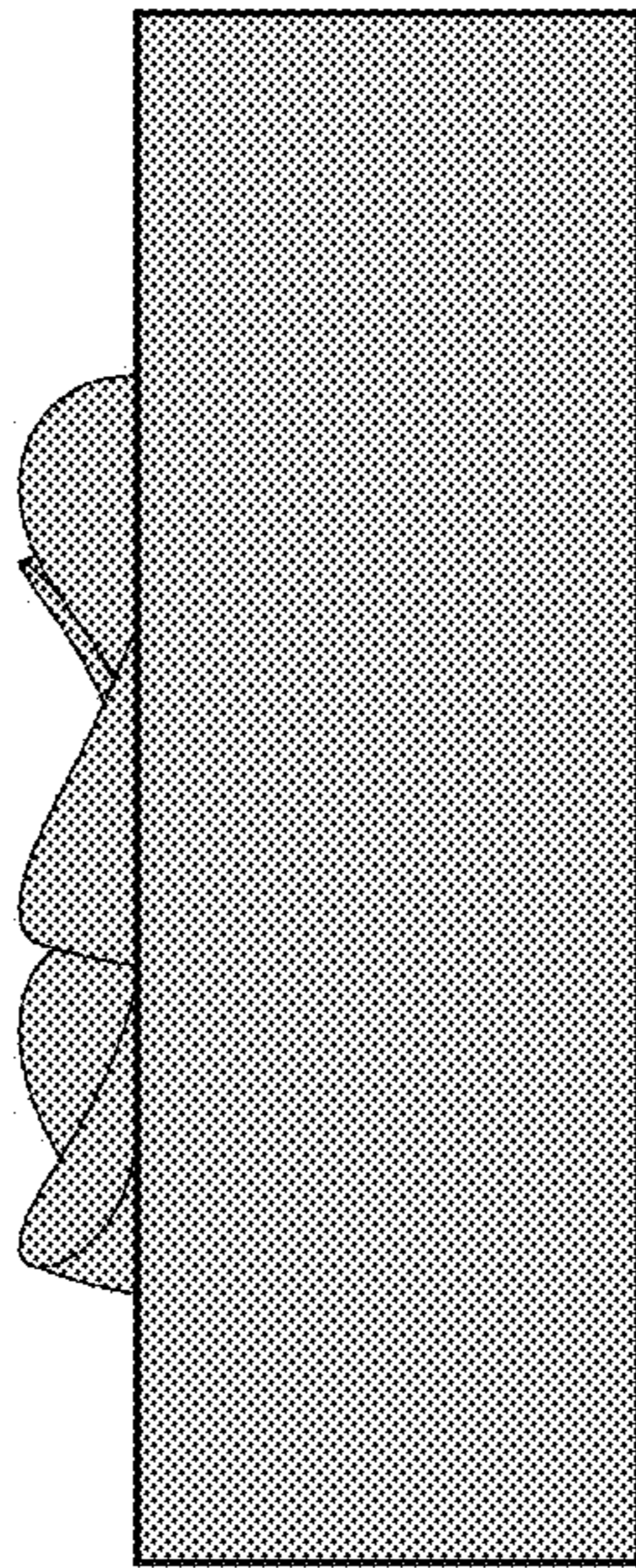


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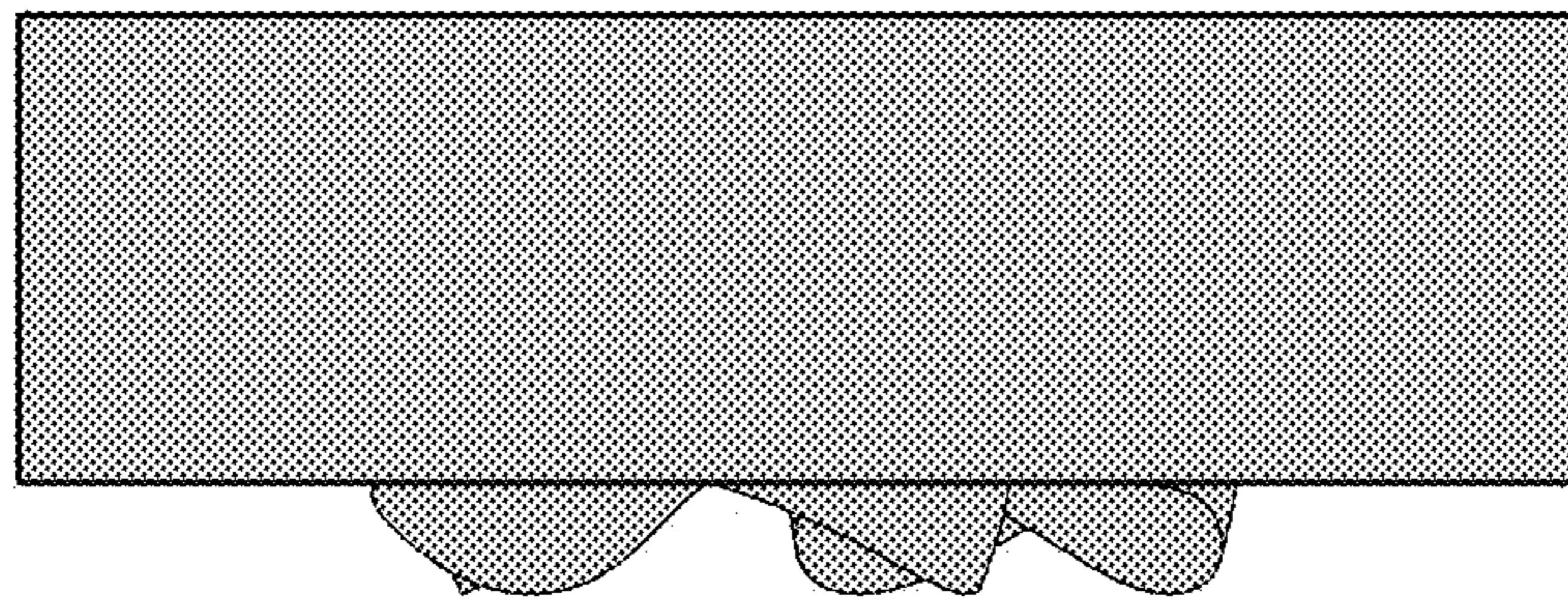


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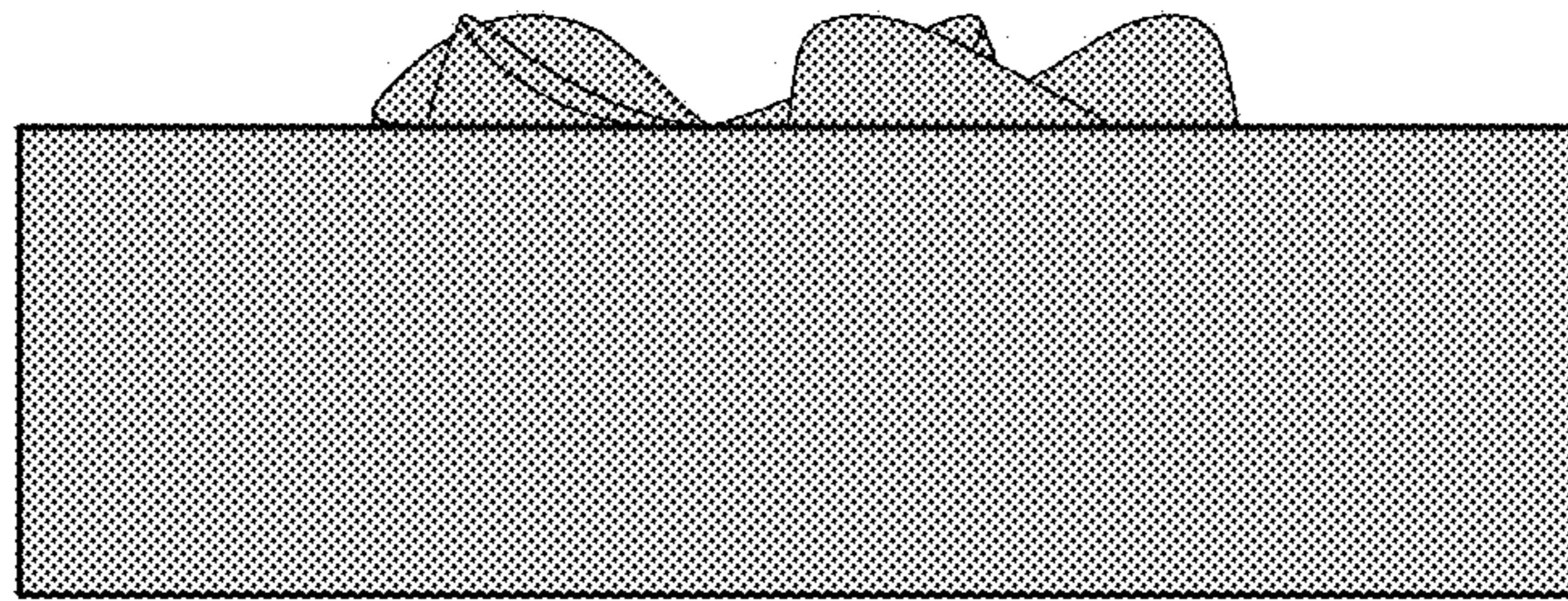


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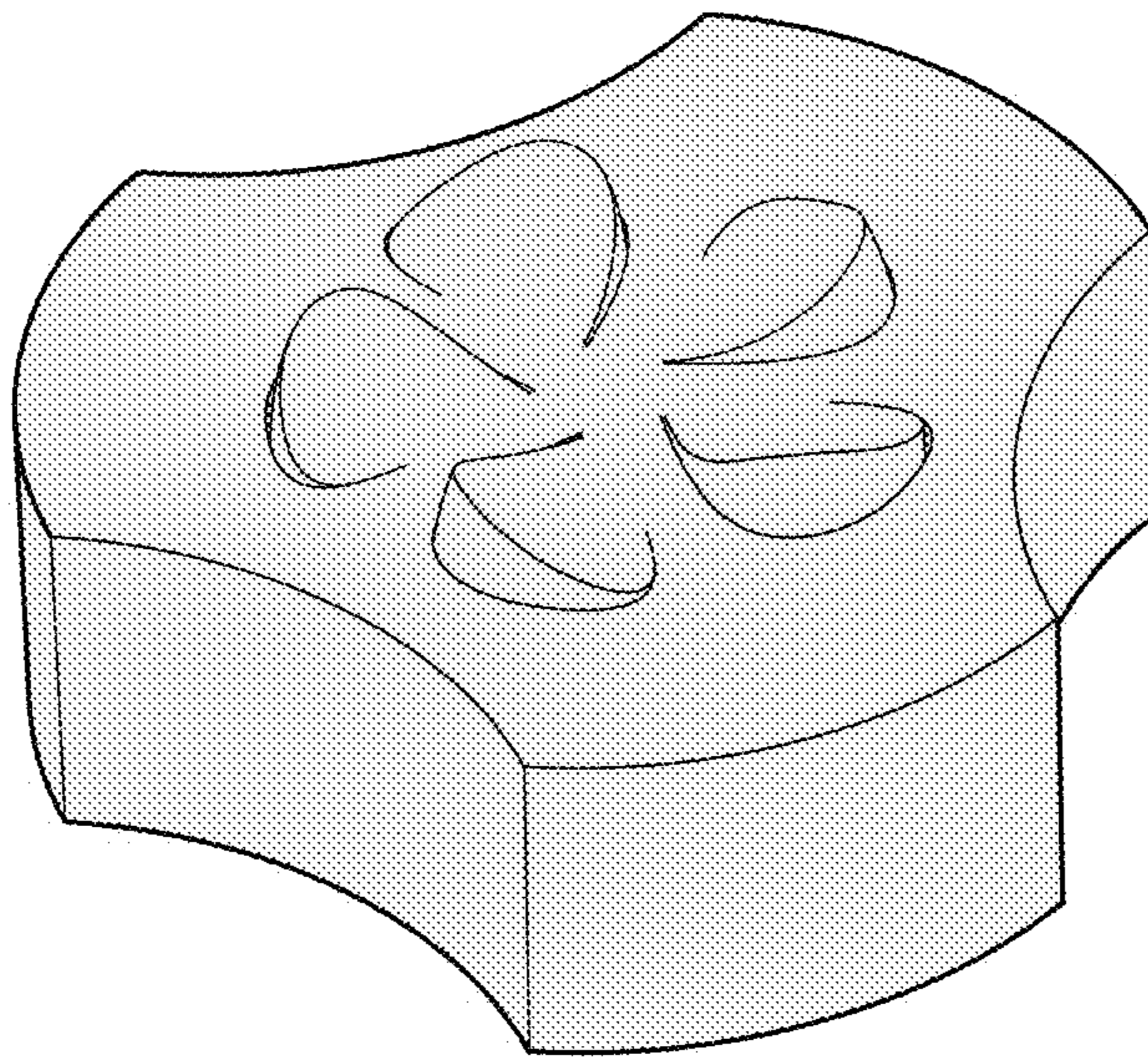


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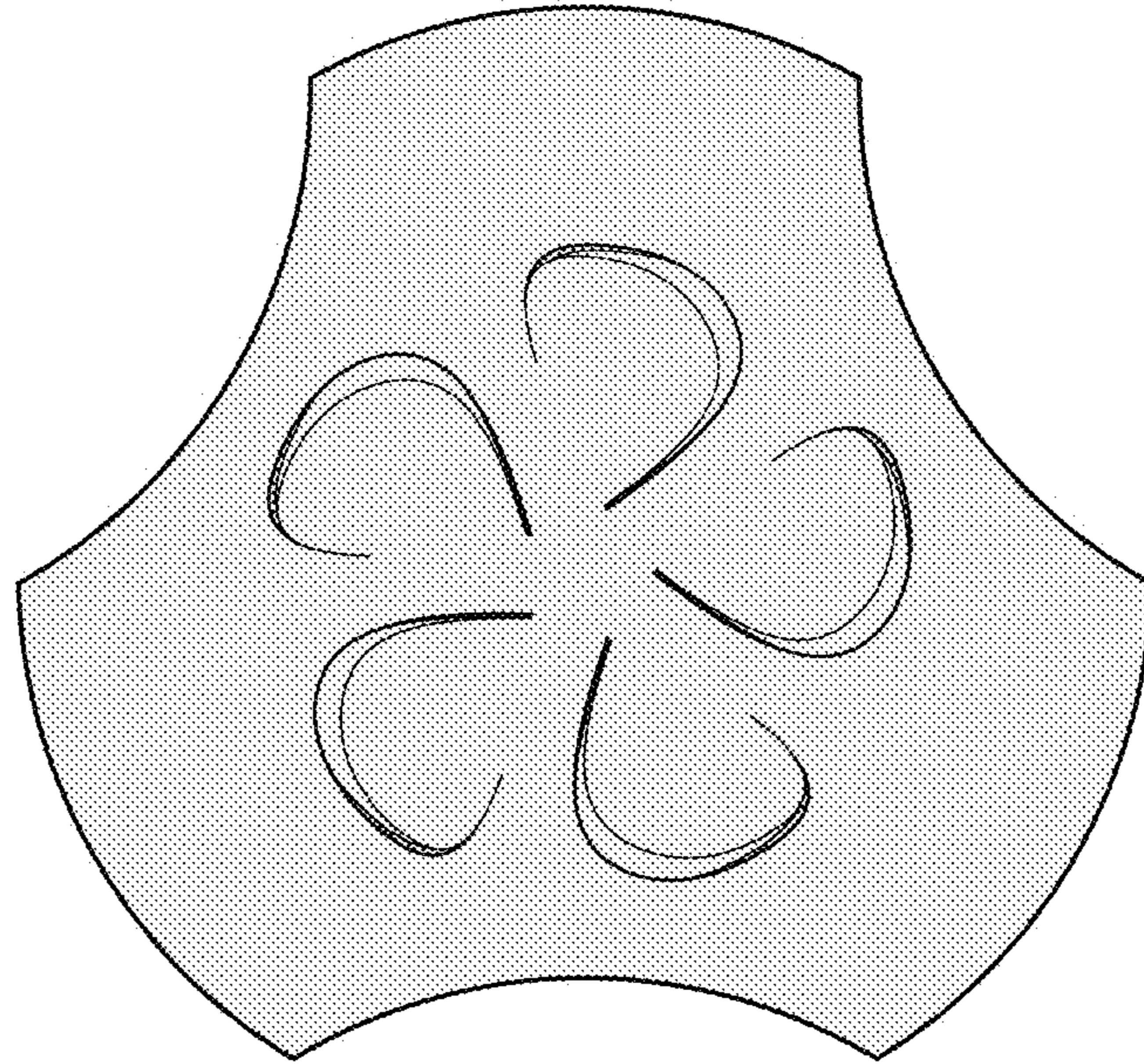


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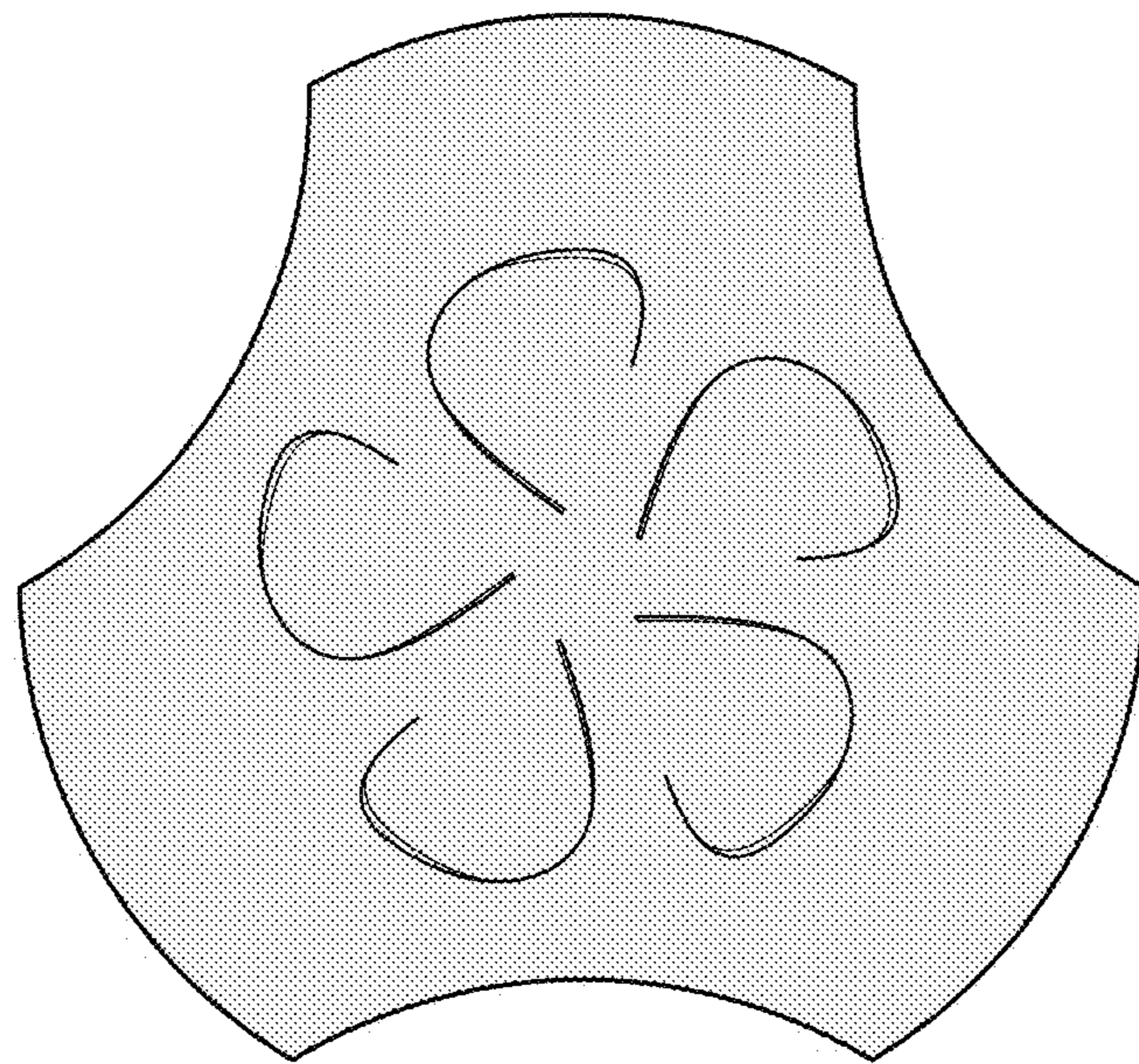


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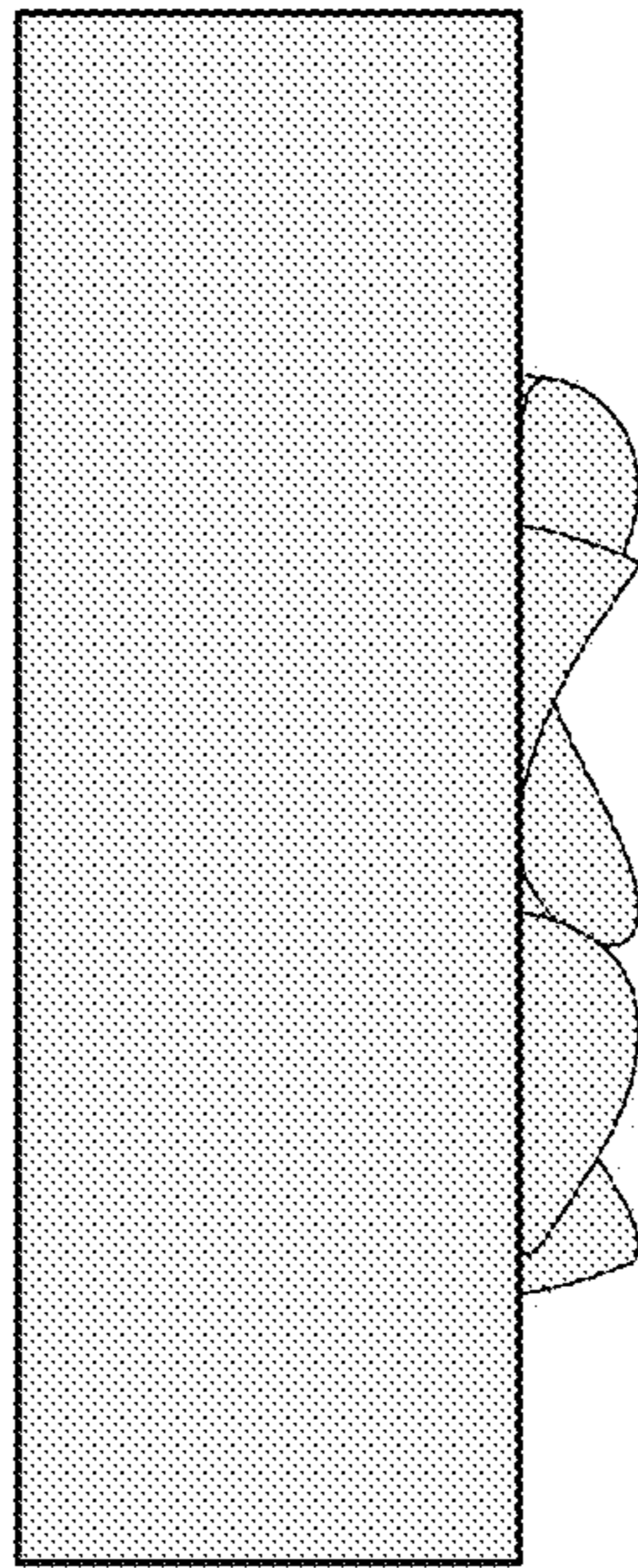


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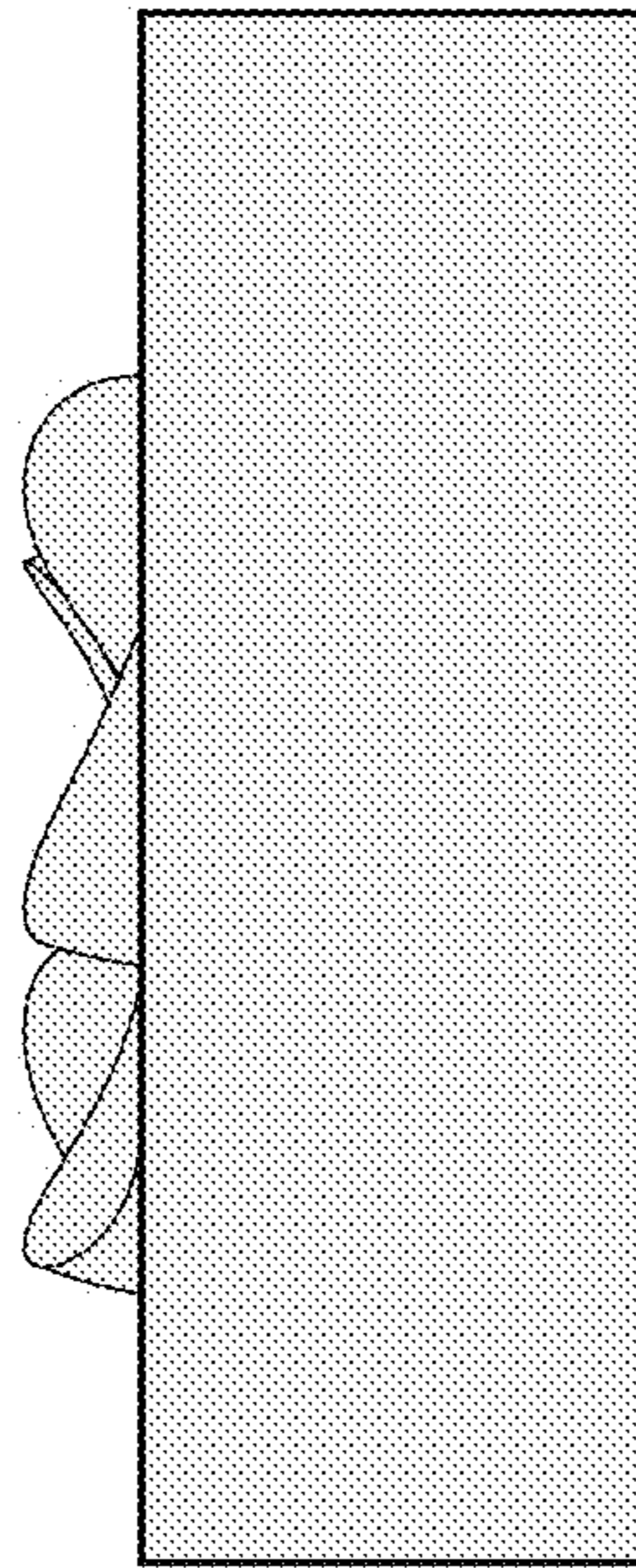


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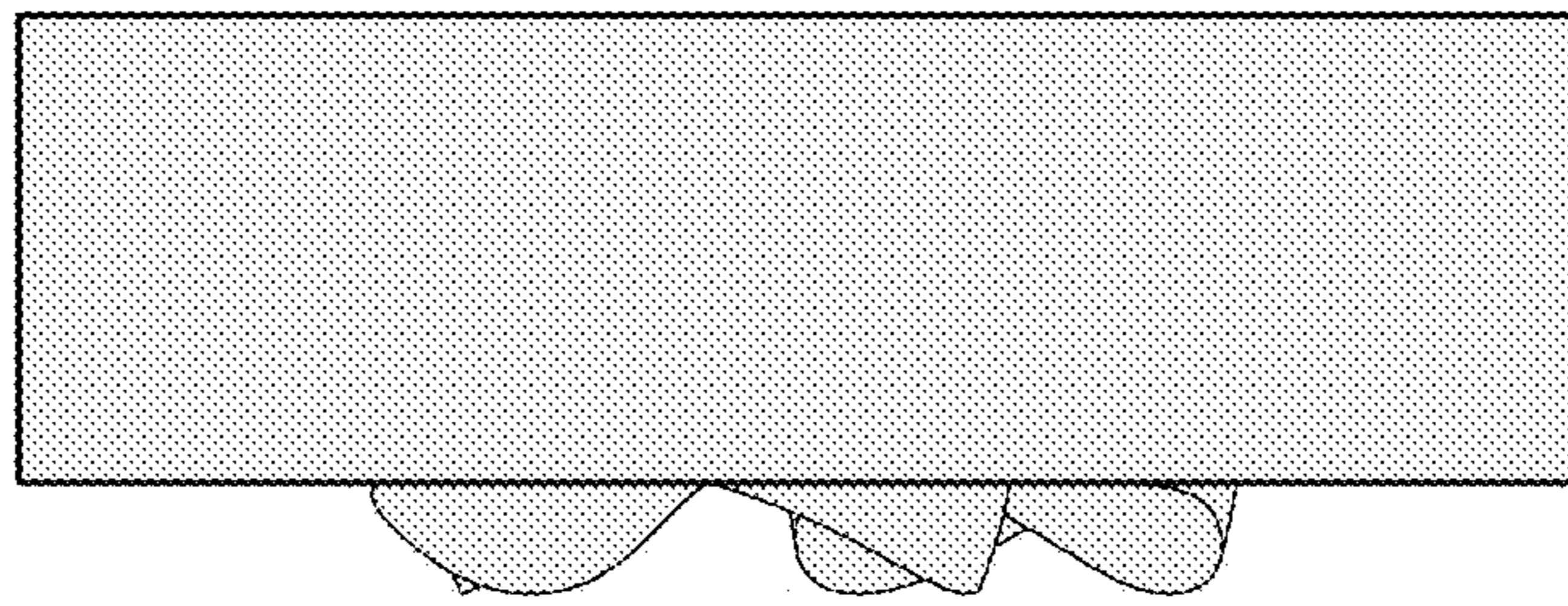


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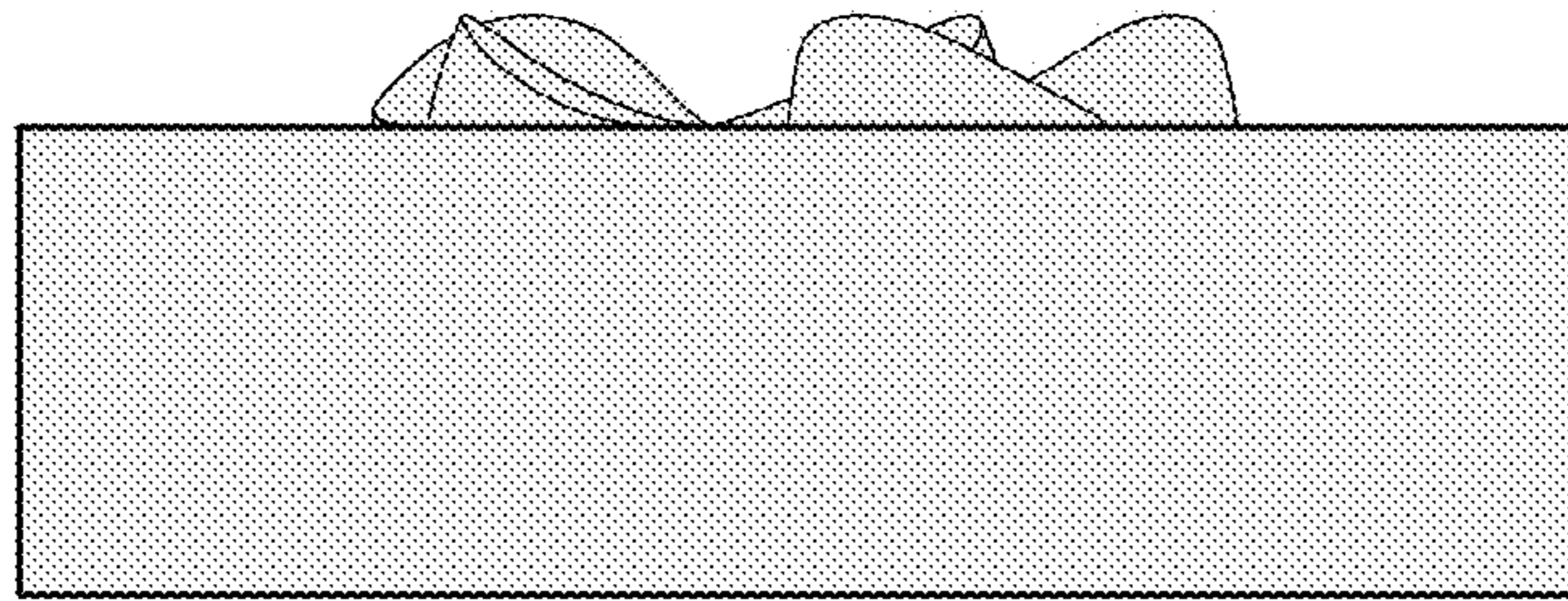


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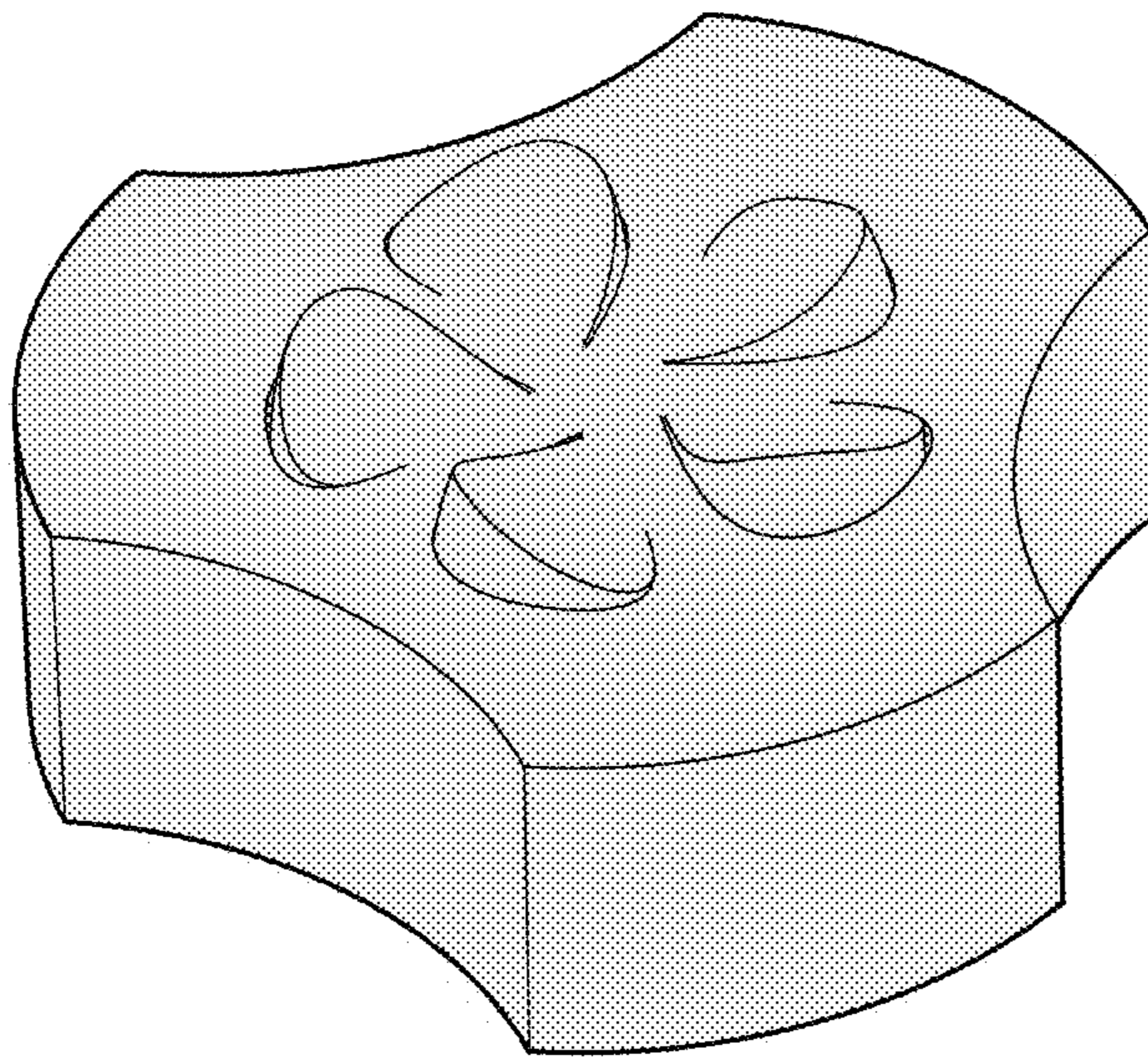


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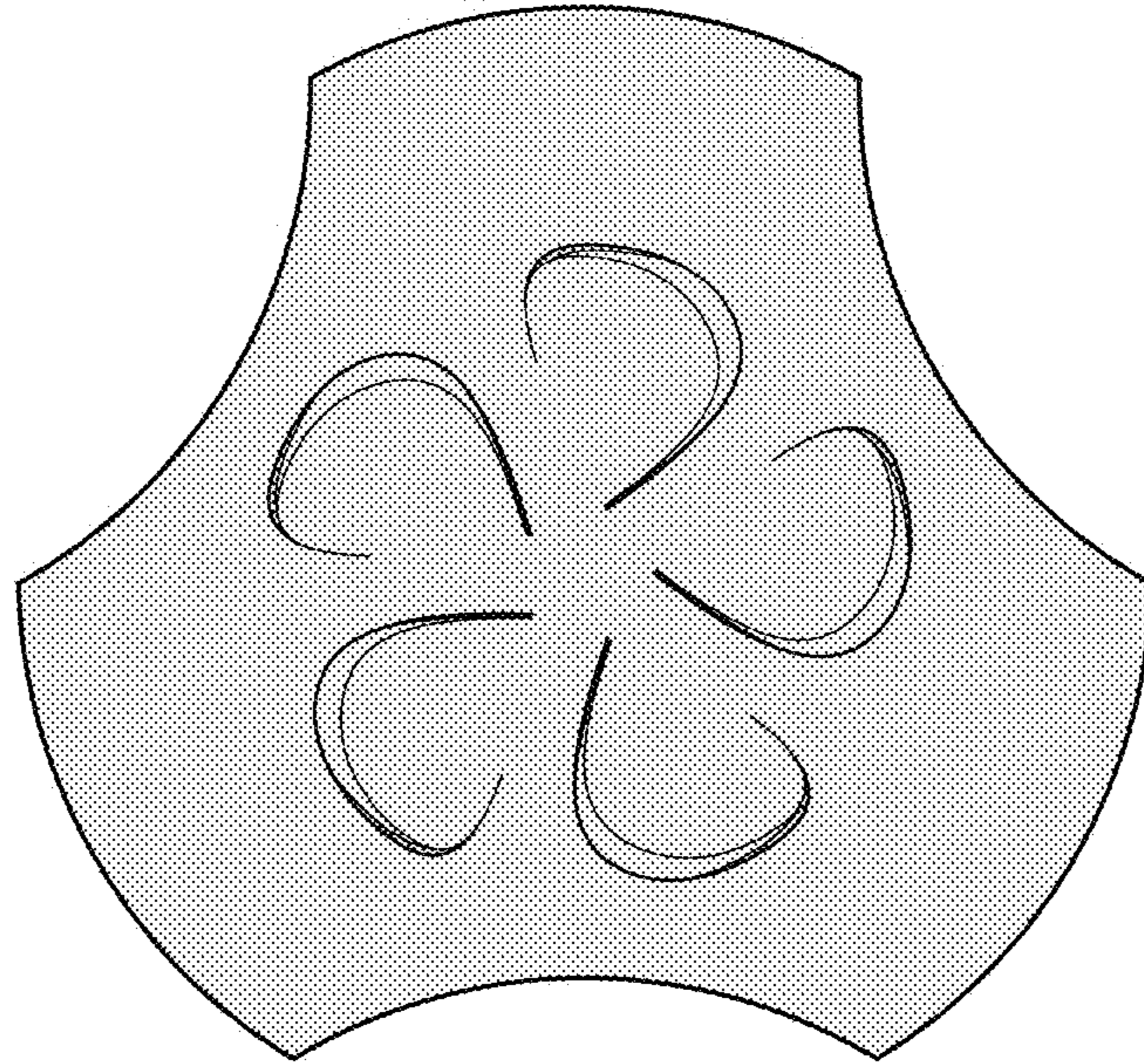


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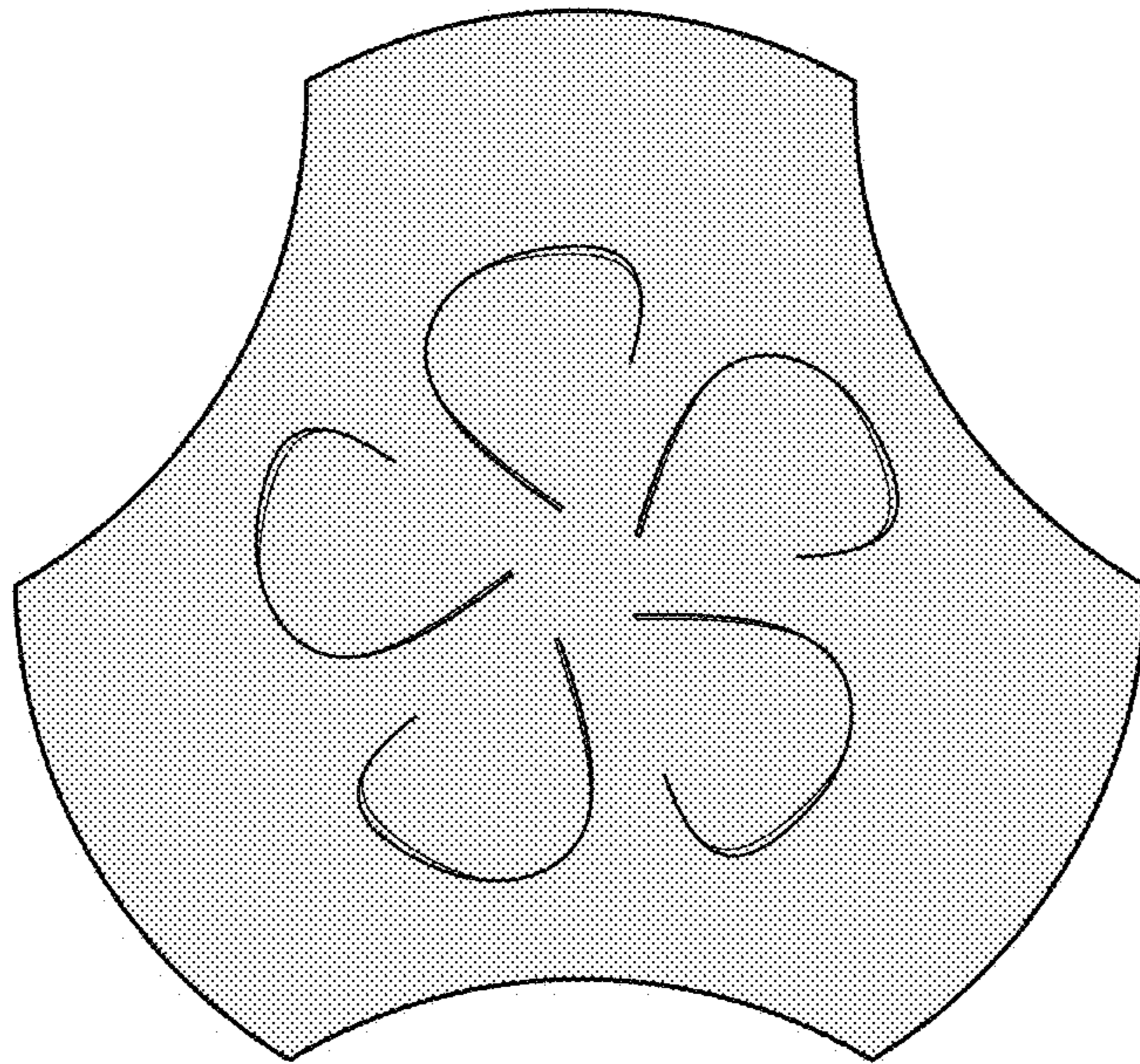


Fig. 45



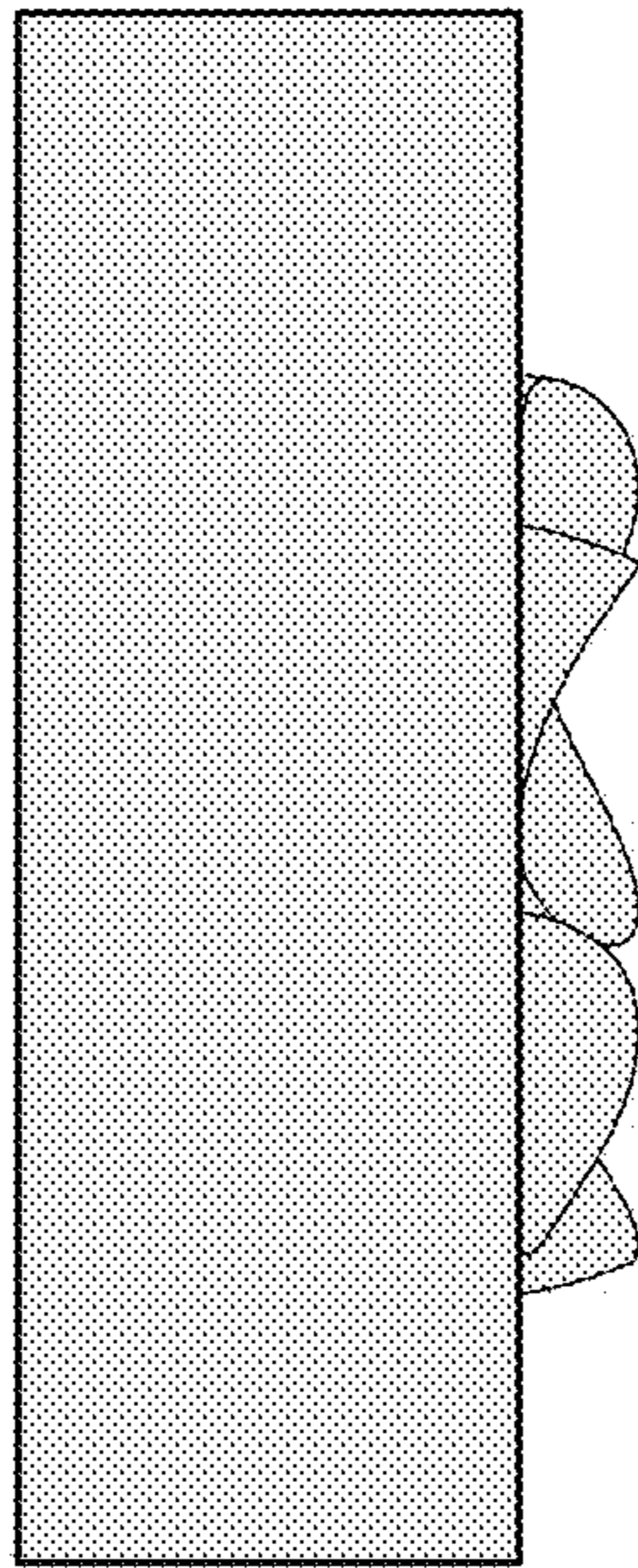


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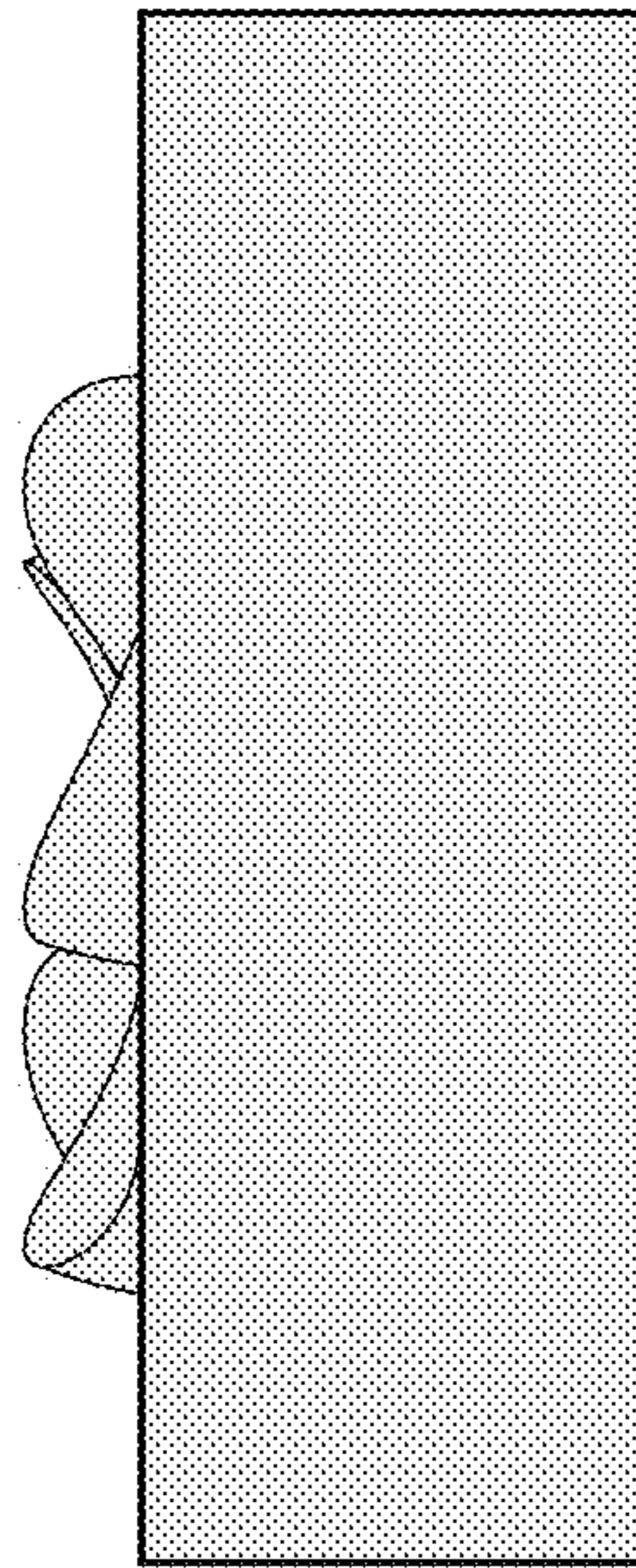


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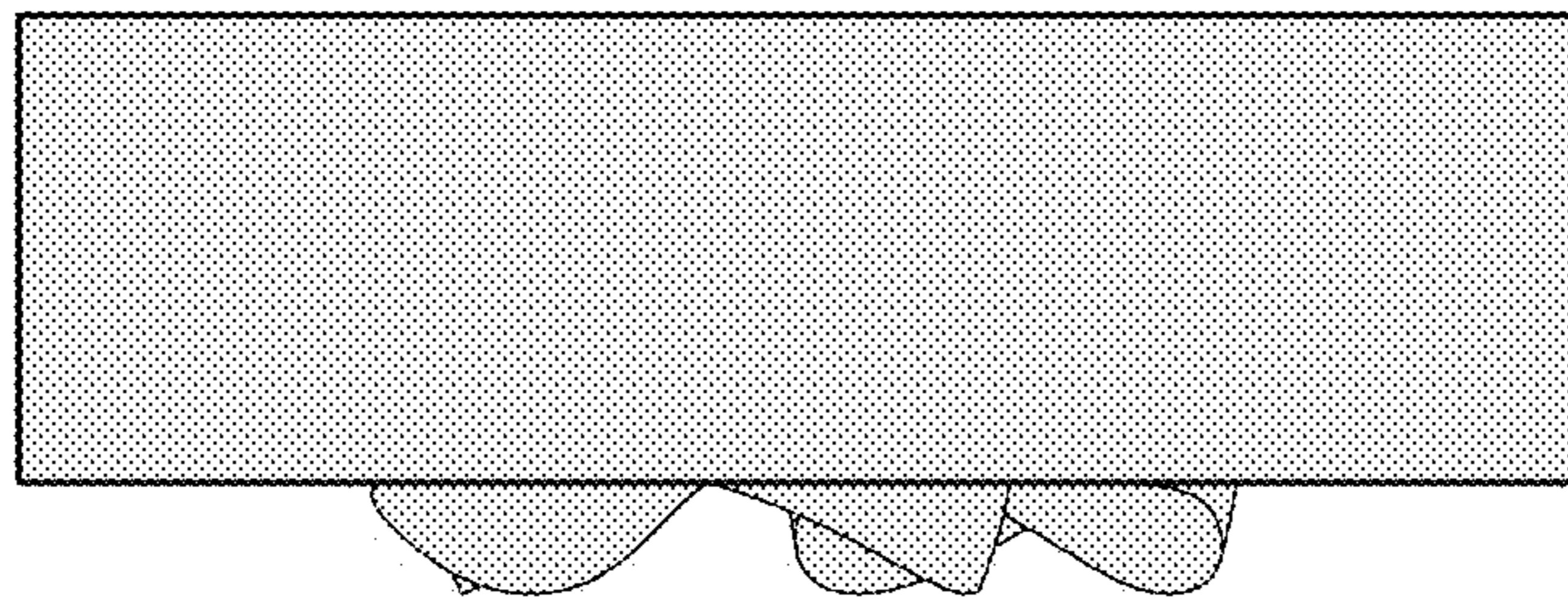


Fig. 48

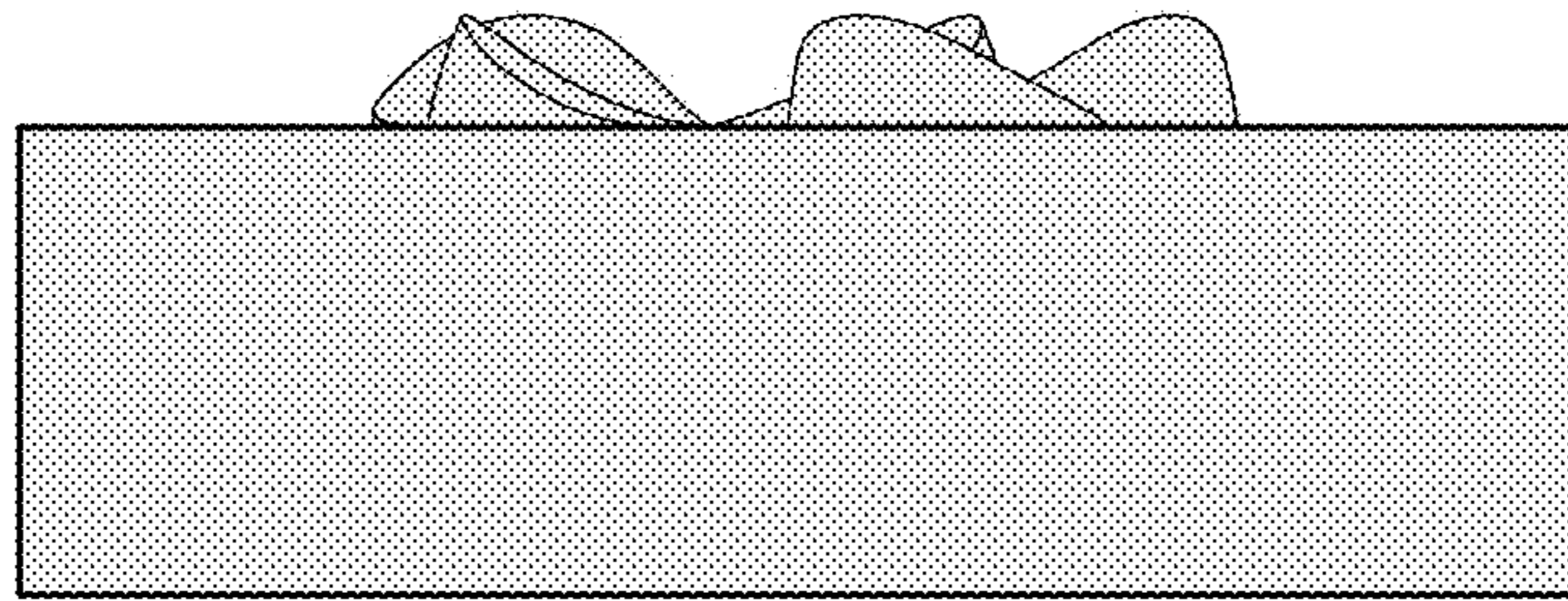


Fig. 49