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(12) **United States Design Patent** (10) **Patent No.:** **US D822,078 S**
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(54) **CUTTING INSERT**

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(52) **U.S. Cl.**
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CPC **B23C 5/207** (2013.01)

(58) **Field of Classification Search**
USPC D15/122-143; 407/42, 113-117
CPC B23C 5/207; B23C 5/109
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D304,949 S * 12/1989 Niebauer 407/114
D305,239 S * 12/1989 Niebauer 407/114
5,145,295 A * 9/1992 Satrap B23C 5/2213
407/113
5,207,538 A * 5/1993 Satrap B23C 5/2213
407/113

D342,269 S * 12/1993 Arai D15/139
D344,276 S * 2/1994 Markusson D15/139
D345,984 S * 4/1994 Ishikawa D15/139
D345,985 S * 4/1994 Ishikawa D15/139
D355,661 S * 2/1995 Hessman D15/139
D357,692 S * 4/1995 Ishikawa D15/139
D376,158 S * 12/1996 Hessman D15/139
D381,026 S * 7/1997 Hessman D15/139
D409,633 S * 5/1999 Bernadic D15/139
D415,179 S * 10/1999 Hartlohner D15/139
D422,608 S * 4/2000 Malaker D15/139
D425,086 S * 5/2000 Bernadic D15/139
D488,175 S * 4/2004 Kasperik D15/139
D534,191 S * 12/2006 Viol D15/139
7,168,512 B2 * 1/2007 Schuffenhauer B23C 5/207
175/426
D549,248 S * 8/2007 Pinchot D15/139
D550,259 S * 9/2007 Pinchot D15/139
D579,470 S * 10/2008 Maeta D15/139
D585,467 S * 1/2009 Takanashi D15/139
D588,616 S * 3/2009 Tanaka D15/139
D589,542 S * 3/2009 Takanashi D15/139
D637,214 S * 5/2011 Saito D15/139
D638,041 S * 5/2011 Saito D15/139
D700,639 S * 3/2014 Choi D15/139
D700,640 S * 3/2014 Choi D15/139
D705,281 S * 5/2014 Heinasenaho D15/139
D736,841 S * 8/2015 Jung D15/139

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Primary Examiner — Richard E Chilcot

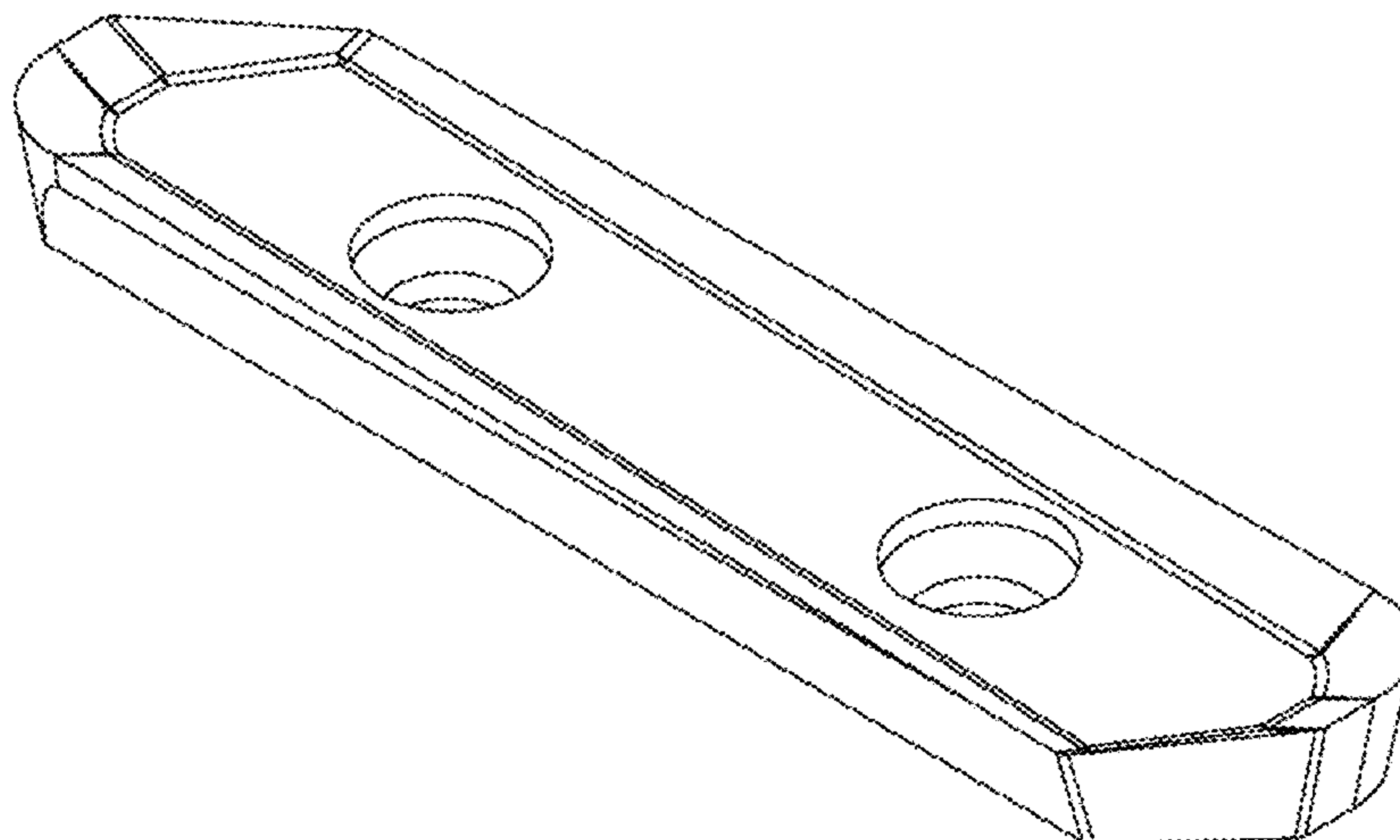
(57) **CLAIM**

The ornamental design for a cutting insert, as shown and described.

DESCRIPTION

1. Cutting insert
1.1 : Perspective
1.2 : Front
1.3 : Back
1.4 : Top
1.5 : Bottom
1.6 : Left
1.7 : Right

1 Claim, 7 Drawing Sheets



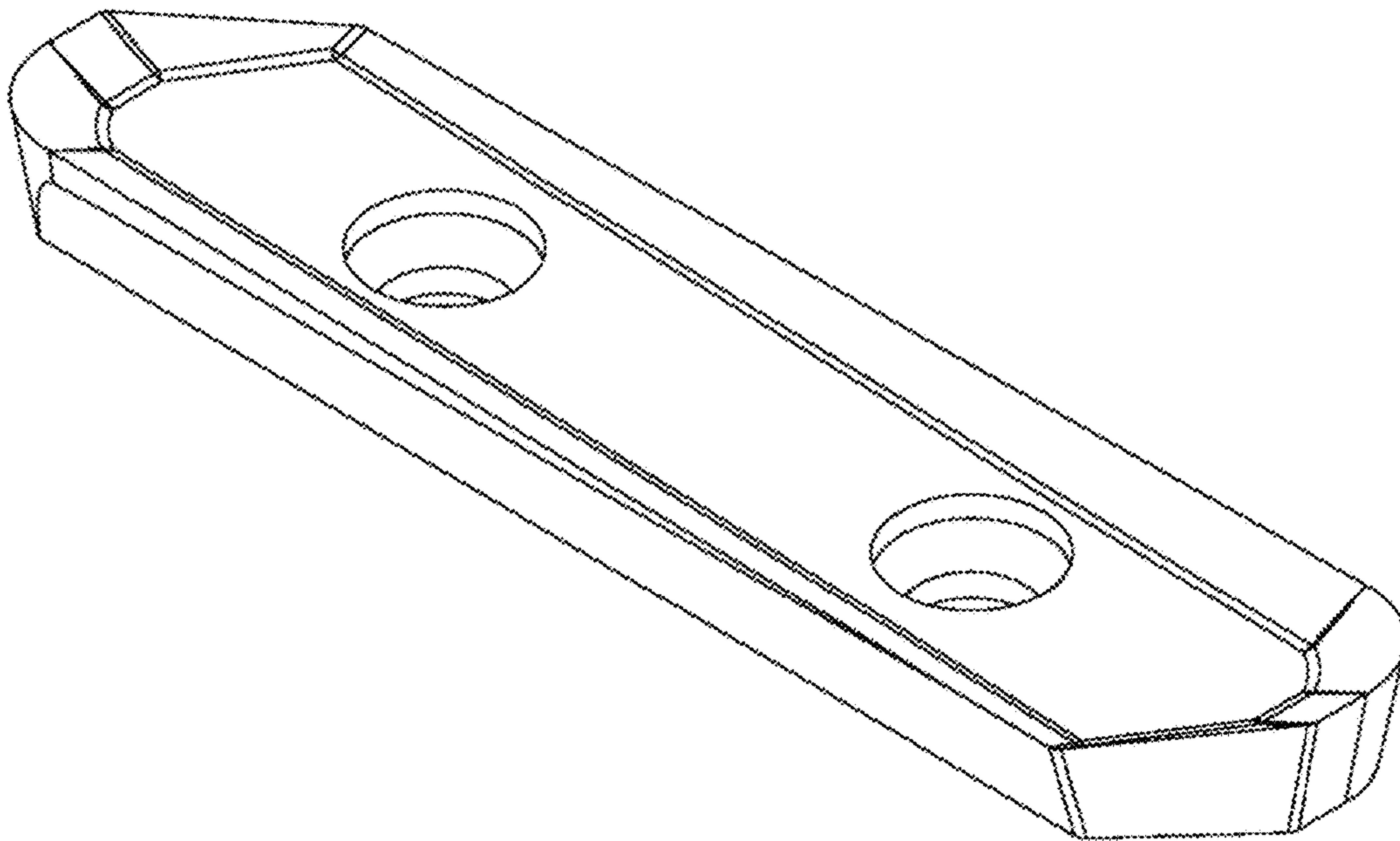
(56) **References Cited**

U.S. PATENT DOCUMENTS

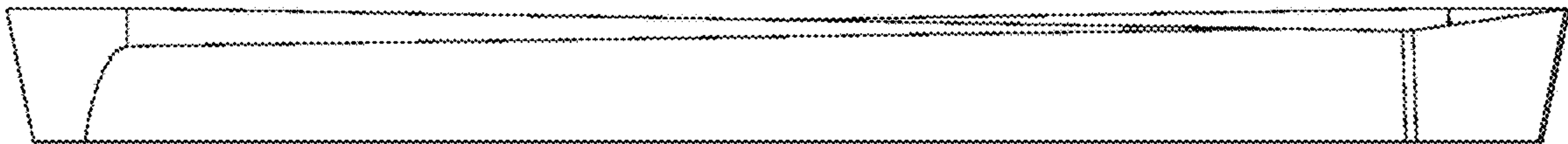
D748,703	S	*	2/2016	Nam		D15/139
D781,360	S	*	3/2017	Kanada		D15/139
D786,324	S	*	5/2017	Koskinen		D15/139
D795,318	S	*	8/2017	Yoshida		D15/139
D806,150	S	*	12/2017	Komiyama		D15/139
2015/0202697	A1	*	7/2015	Shiota		B23C 5/109
						407/42
2015/0246398	A1	*	9/2015	Kawasaki		B23B 51/048
						408/231

* cited by examiner

1.1



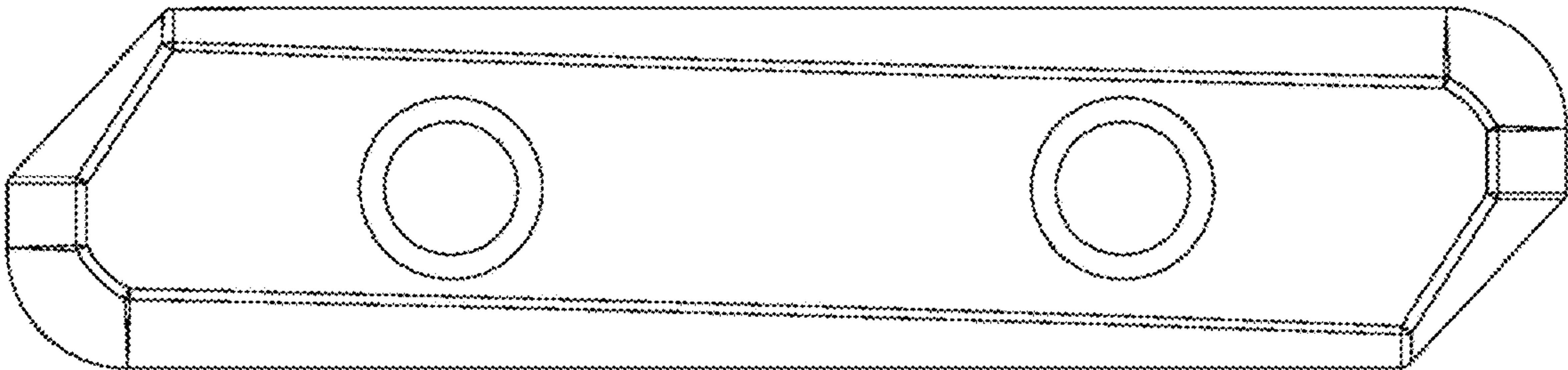
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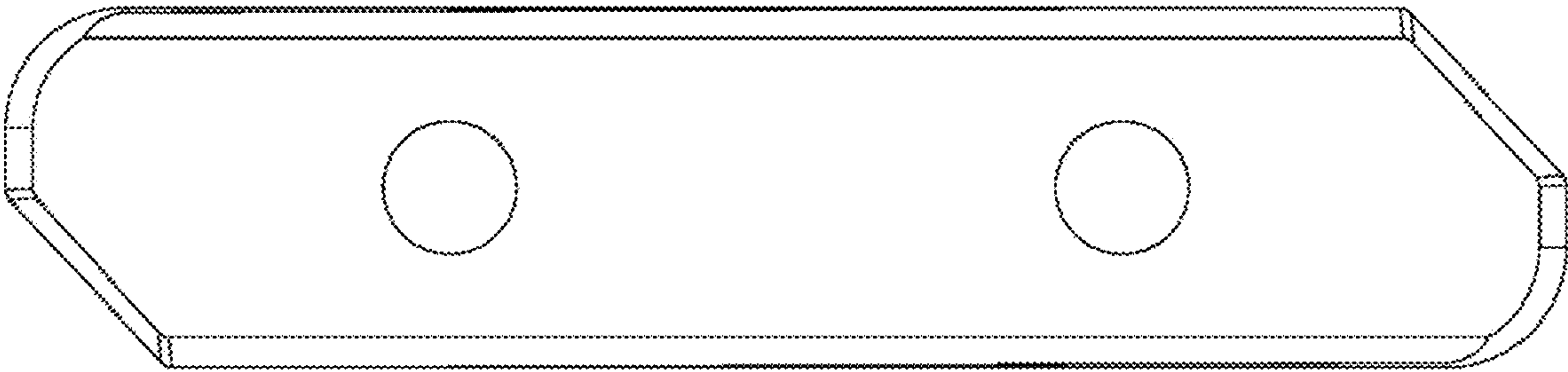
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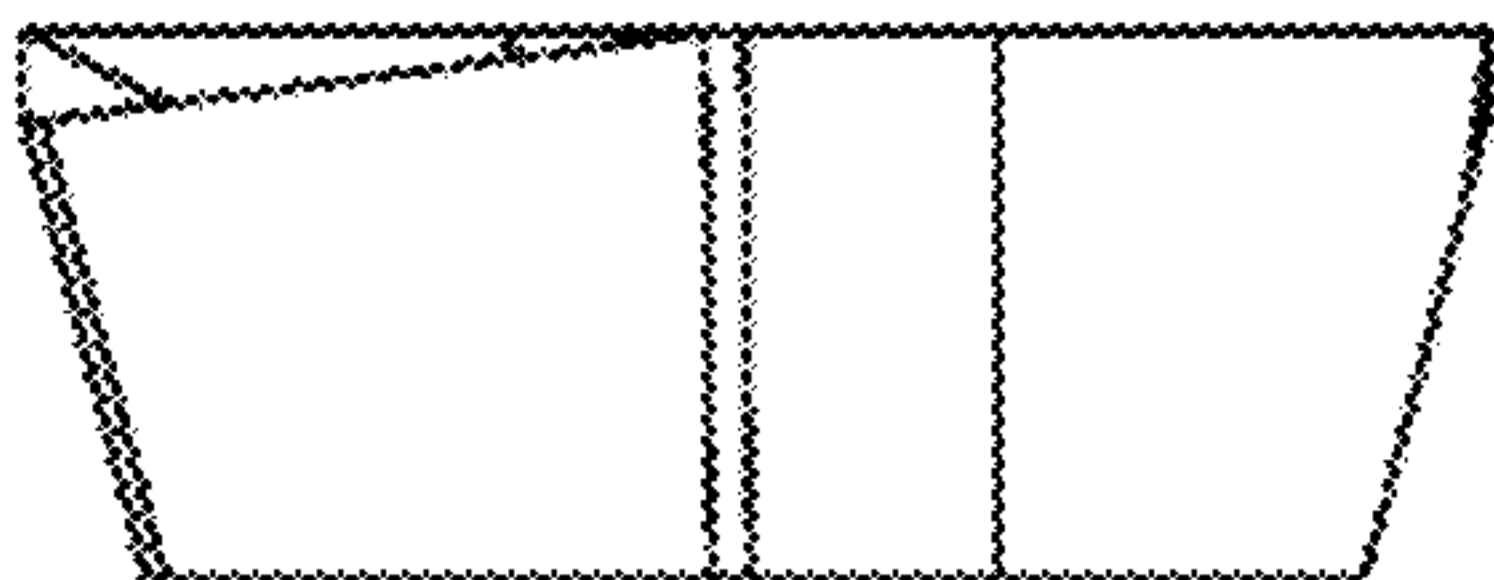
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