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(12)

United States Design Patent

Shin et al.

(10)

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(45)

Date of Patent:

** Jan. 17, 2023

(54)	GROOVING INSERT FOR MACHINE TOOLS FOR METALWORKING	D772,319 S * 11/2016 Nam D15/139
		D805,565 S * 12/2017 Min B23C 5/06
		D15/139
(71)	Applicant: KORLOY INC., Seoul (KR)	D824,438 S * 7/2018 Min D15/139
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		D956,835 S * 7/2022 Kim B23C 5/2213
		D15/139
(**) Term:	15 Years	2019/0240737 A1 * 8/2019 Kertsman B23B 27/16
		2020/0368829 A1 * 11/2020 Shin B23B 27/045
(21)	Appl. No.: 35/513,877	2021/0001407 A1 * 1/2021 Jarvstrom B23B 27/045
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(80)	Hague Agreement Data	Primary Examiner — Patricia A Palasik
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	USPC D15/139	
(58)	Field of Classification Search	
	USPC D8/20, 70; D15/126, 131, 138, 139, 140	
	CPC B23B 27/04; B23B 27/06; B23B 27/045	
	See application file for complete search history.	
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(57)

CLAIM

The ornamental design for a grooving insert for machine tools for metalworking, as shown and described.

DESCRIPTION

1. Grooving insert for machine tools for metalworking

1.1 : Perspective

1.2 : Front

1.3 : Back

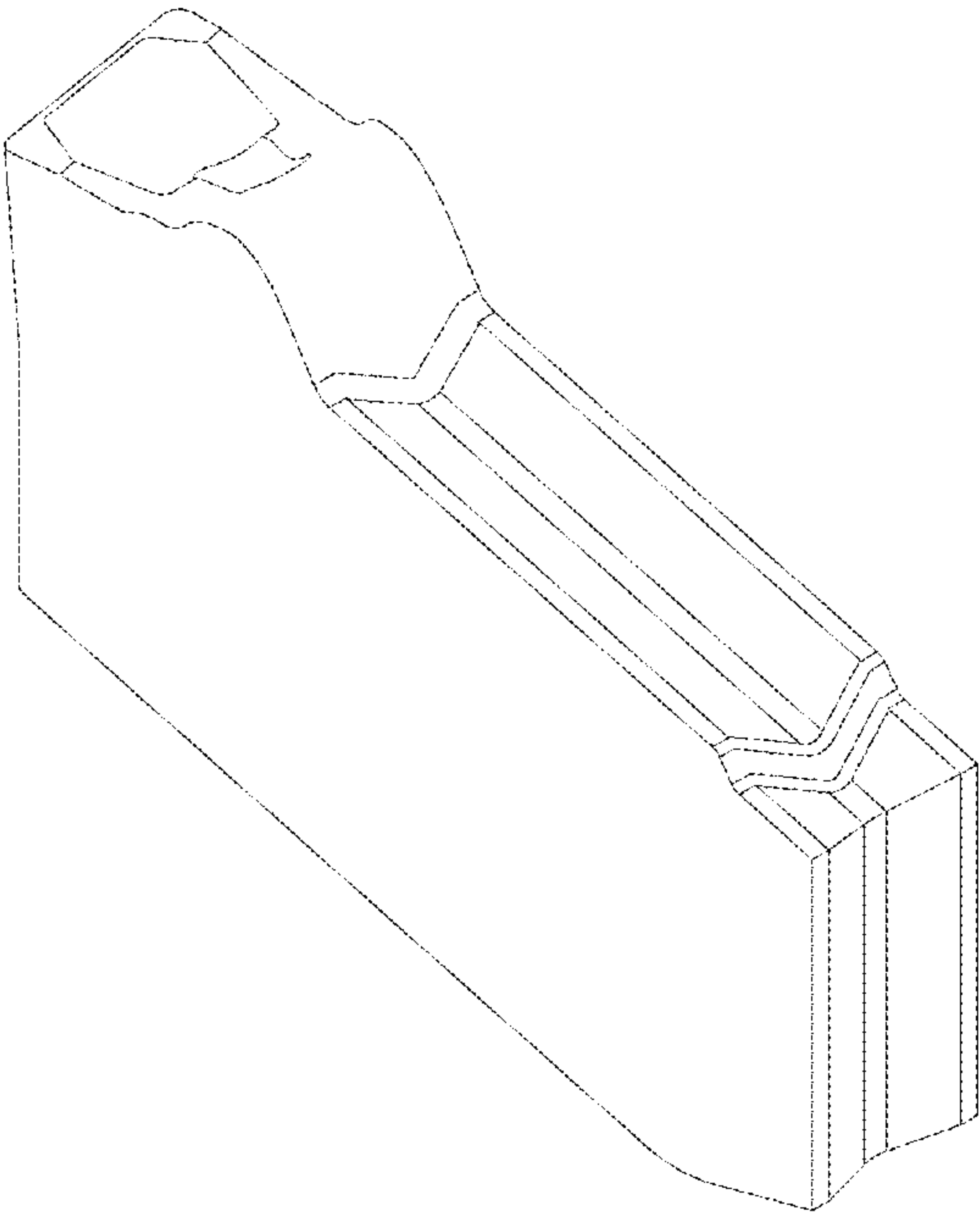
1.4 : Top

1.5 : Bottom

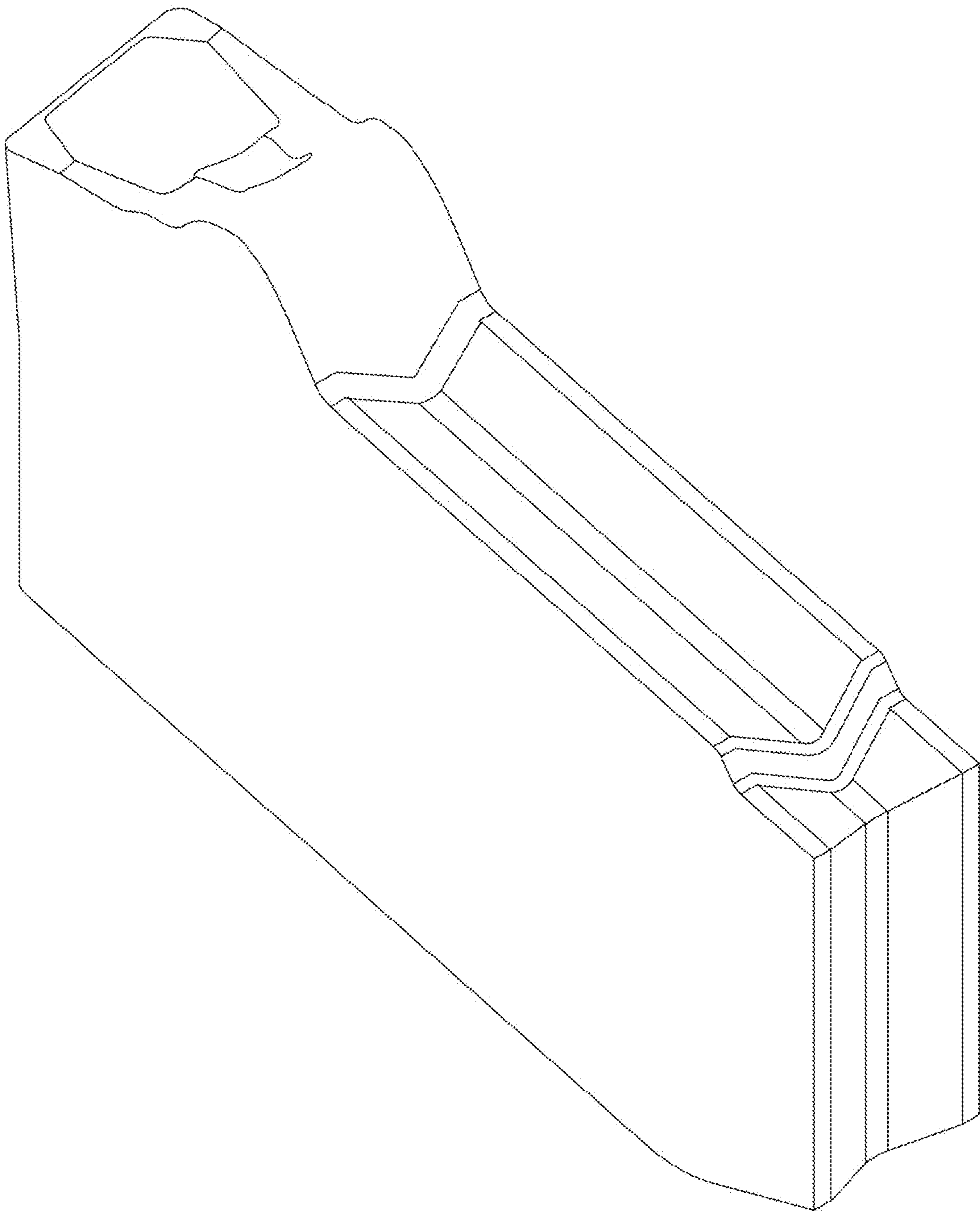
1.6 : Left

1.7 : Right

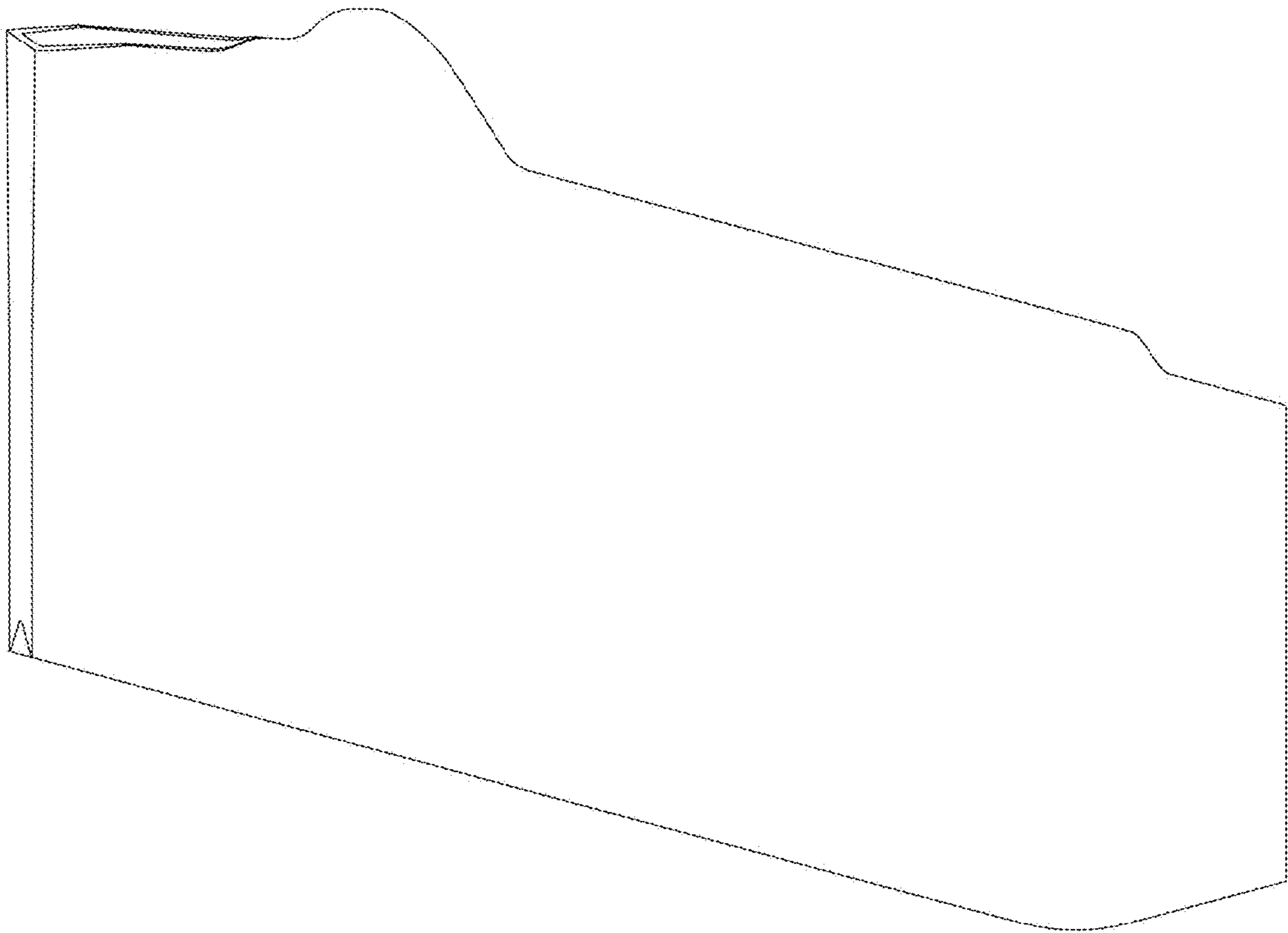
1 Claim, 7 Drawing Sheets



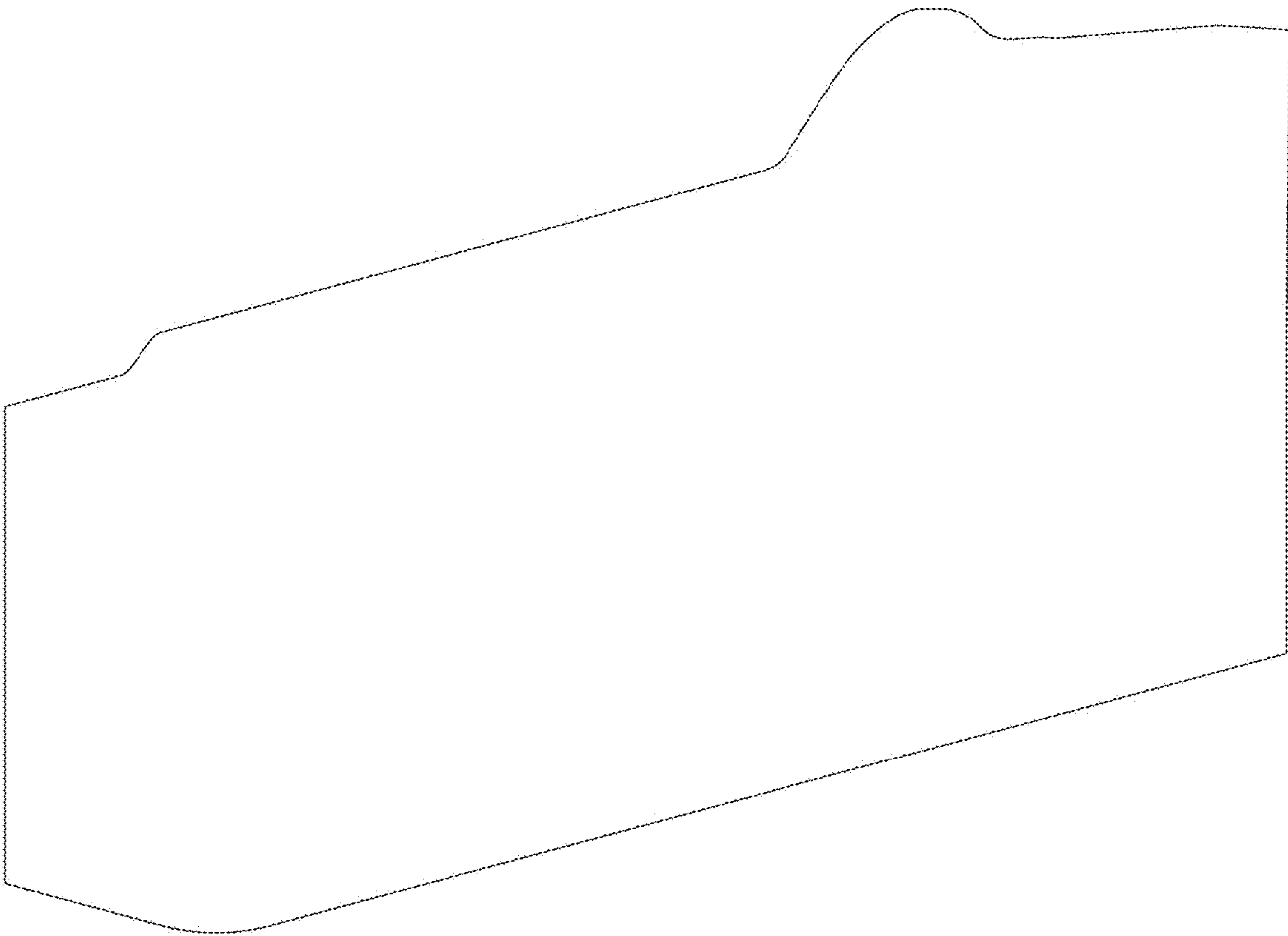
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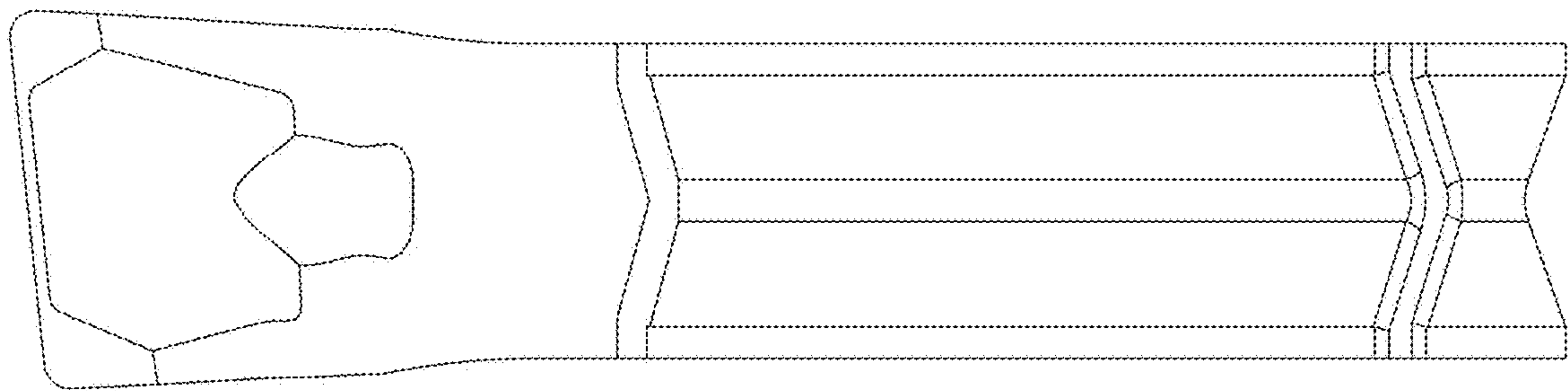
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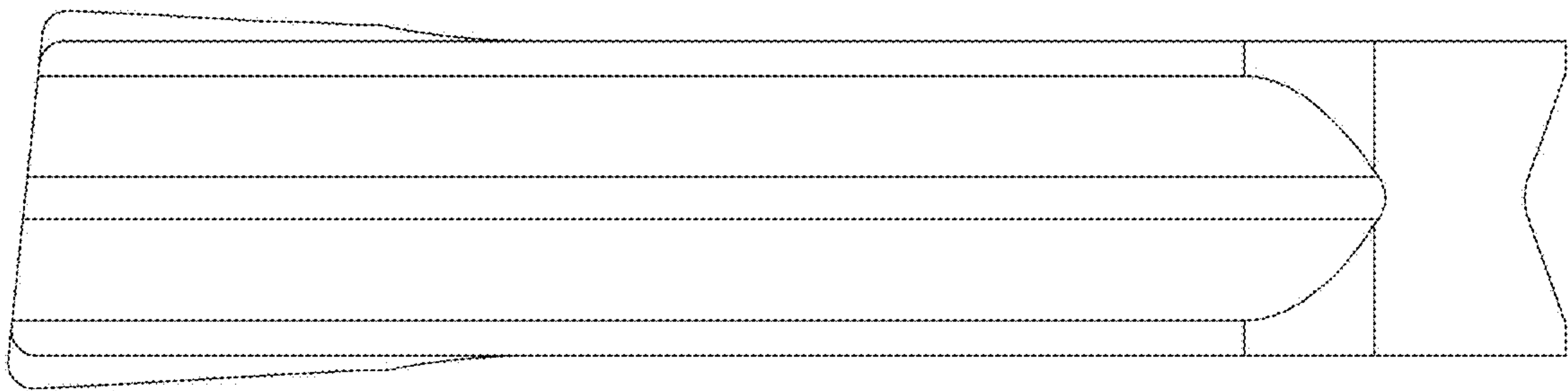
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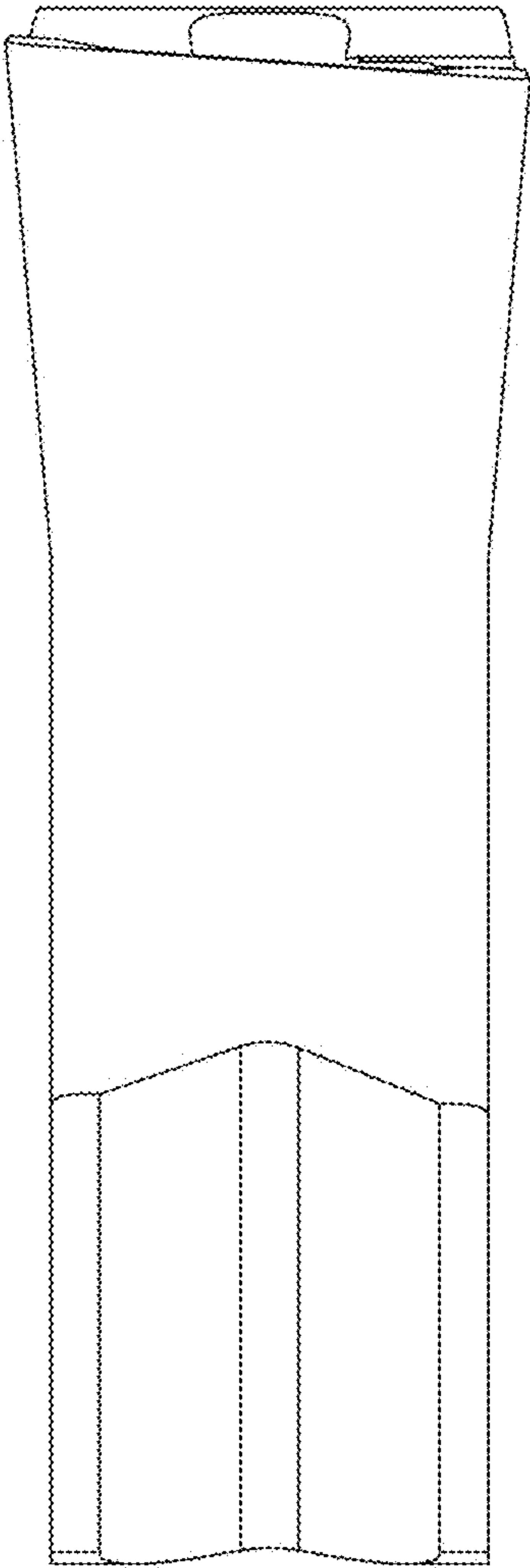
1.4



1.5



1.6



1.7

