



US0D1030056S

(12)

United States Design Patent

Yang et al.

(10)

Patent No.:

US D1,030,056 S

(45)

Date of Patent:

** Jun. 4, 2024

(54) SURGICAL STAPLE CARTRIDGE

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(73) Assignee: Cilag GmbH International, Zug (CH)

(**) Term: 15 Years

(21) Appl. No.: 35/515,376

(22) Filed: Oct. 6, 2022

(80) Hague Agreement Data

Int. Filing Date: Oct. 6, 2022

Int. Reg. No.: DM/223960

Int. Reg. Date: Oct. 6, 2022

Int. Reg. Pub. Date: Oct. 21, 2022

(30) Foreign Application Priority Data

Apr. 8, 2022 (CN) 202230196208.0

(51) LOC (14) Cl. 24-02

(52) U.S. Cl.

USPC D24/145

(58) Field of Classification Search

USPC D24/145, 133, 135, 140, 143, 144, 146,
D24/147, 165, 170, 186, 189, 200, 214,
D24/215

CPC A61B 17/07207; A61B 17/072; A61B

17/068; A61B 17/0682; A61B 17/0684;
A61B 17/0686; A61B 17/064

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

D287,630 S * 1/1987 Sharkany D24/145

D348,930 S * 7/1994 Olson D24/145

7,207,472 B2 * 4/2007 Wukusick A61B 17/072
227/181.1

D638,125 S * 5/2011 Velikov D24/145

(Continued)

Primary Examiner — Wan Laymon

(74) Attorney, Agent, or Firm — Frost Brown Todd LLP

(57) CLAIM

The ornamental design for a surgical staple cartridge, as shown and described.

DESCRIPTION

1.1 : Front view of a surgical staple cartridge

1.2 : Back view of the surgical staple cartridge of 1.1

1.3 : Left view of the surgical staple cartridge of 1.1

1.4 : Right view of the surgical staple cartridge of 1.1

1.5 : Top view of the surgical staple cartridge of 1.1

1.6 : Bottom view of the surgical staple cartridge of 1.1

1.7 : Perspective view of the surgical staple cartridge of 1.1

1.8 : Enlarged fragmentary view of 1.1

1.9 : Enlarged fragmentary view of 1.2

1.10 : Enlarged fragmentary view of 1.7

2.1 : Front view of another surgical staple cartridge

2.2 : Back view of the surgical staple cartridge of 2.1

2.3 : Left view of the surgical staple cartridge of 2.1

2.4 : Right view of the surgical staple cartridge of 2.1

2.5 : Top view of the surgical staple cartridge of 2.1

2.6 : Bottom view of the surgical staple cartridge of 2.1

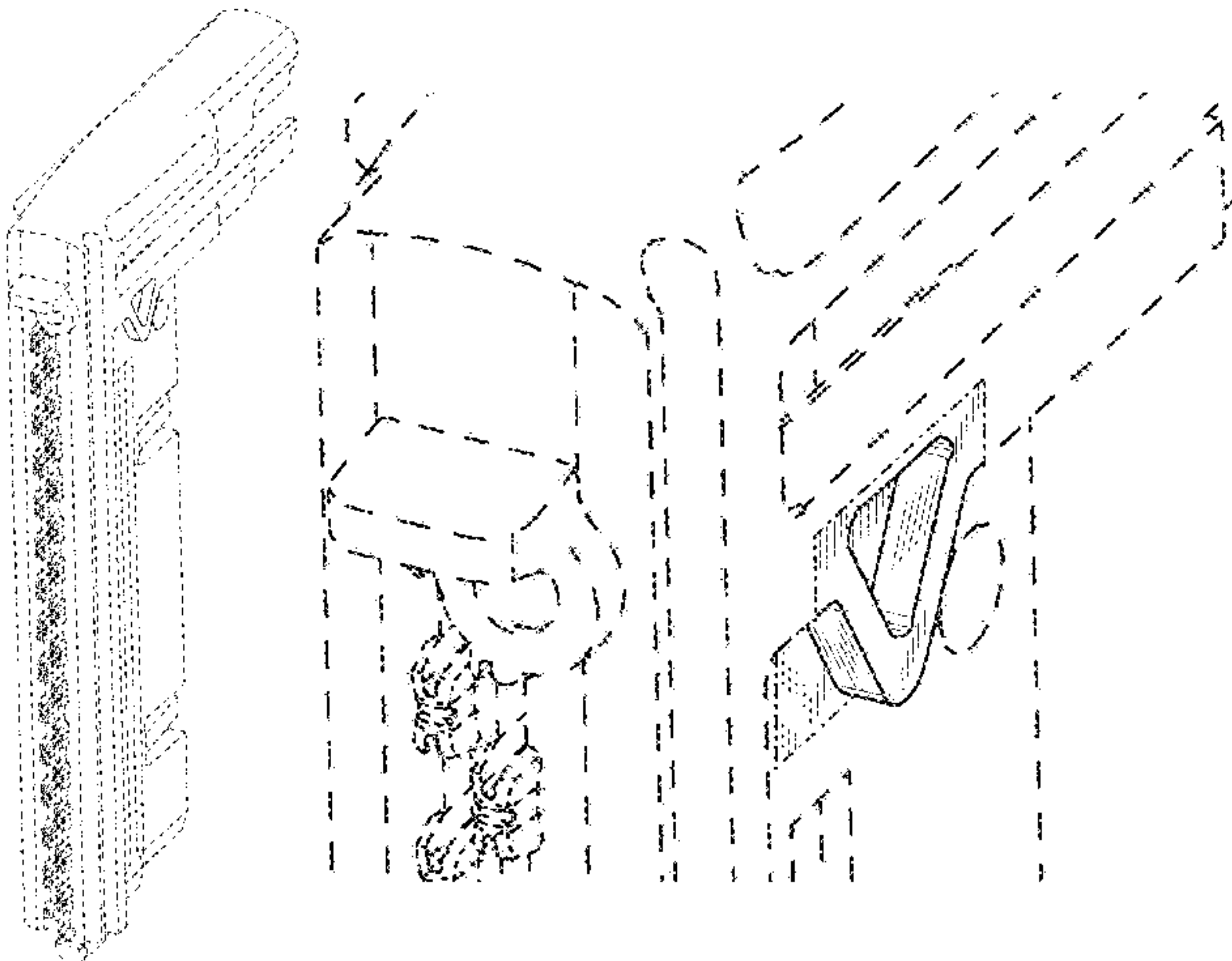
2.7 : Perspective view of the surgical staple cartridge of 2.1

2.8 : Enlarged fragmentary view of 2.1

2.9 : Enlarged fragmentary view of 2.2

2.10 : Enlarged fragmentary view of 2.7

(Continued)



The evenly-spaced broken lines in the drawings are included for the purpose of illustrating portions of the surgical staple cartridge that form no part of the claimed design. The dot-dash-dot broken lines in the drawings are included for the purpose of defining the boundary of the claim, it being understood that the region between the dot-dash-dot broken lines and the dot-dash-dot broken lines themselves form no part of the claimed design.

1 Claim, 16 Drawing Sheets

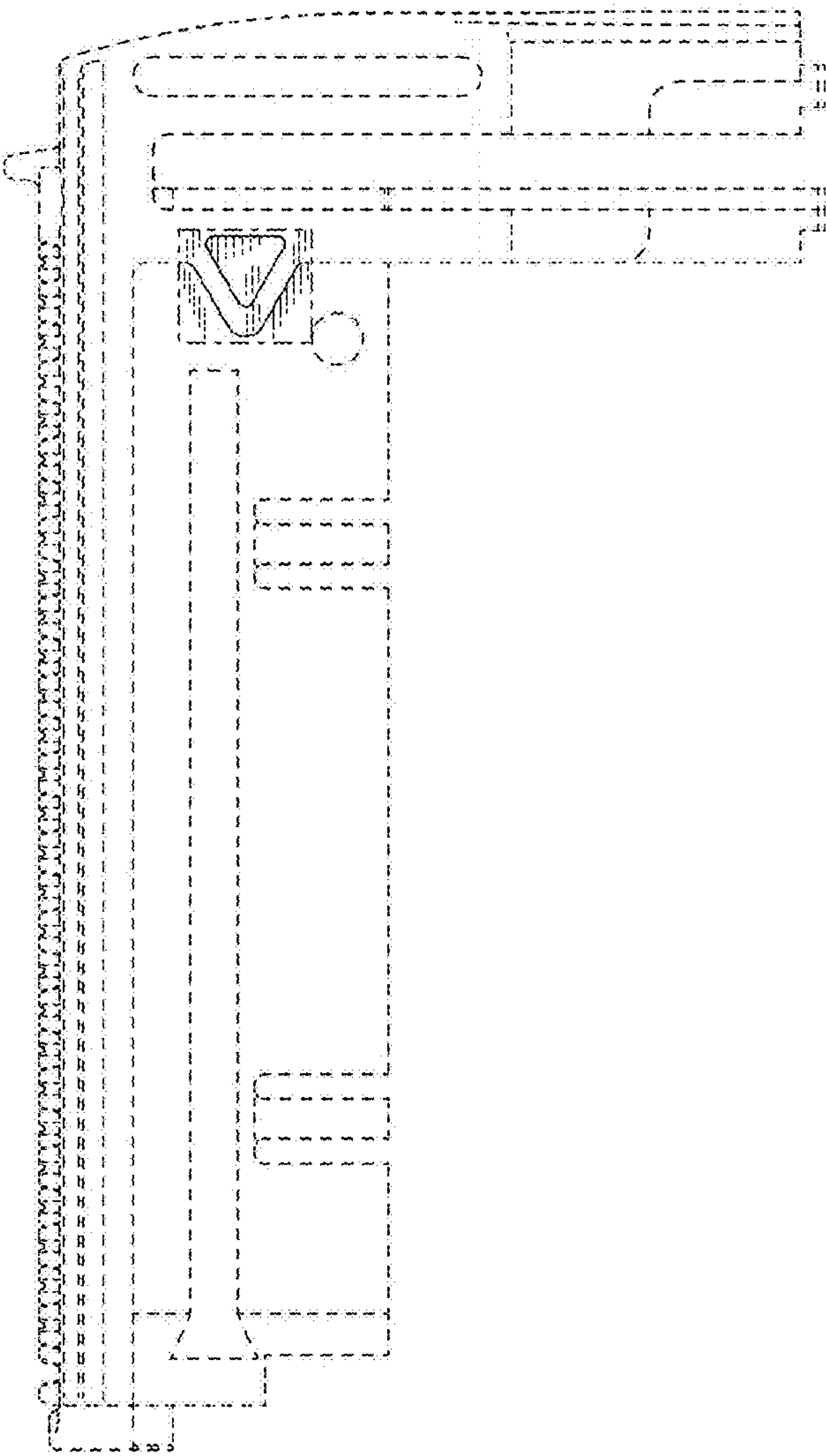
(56) References Cited

U.S. PATENT DOCUMENTS

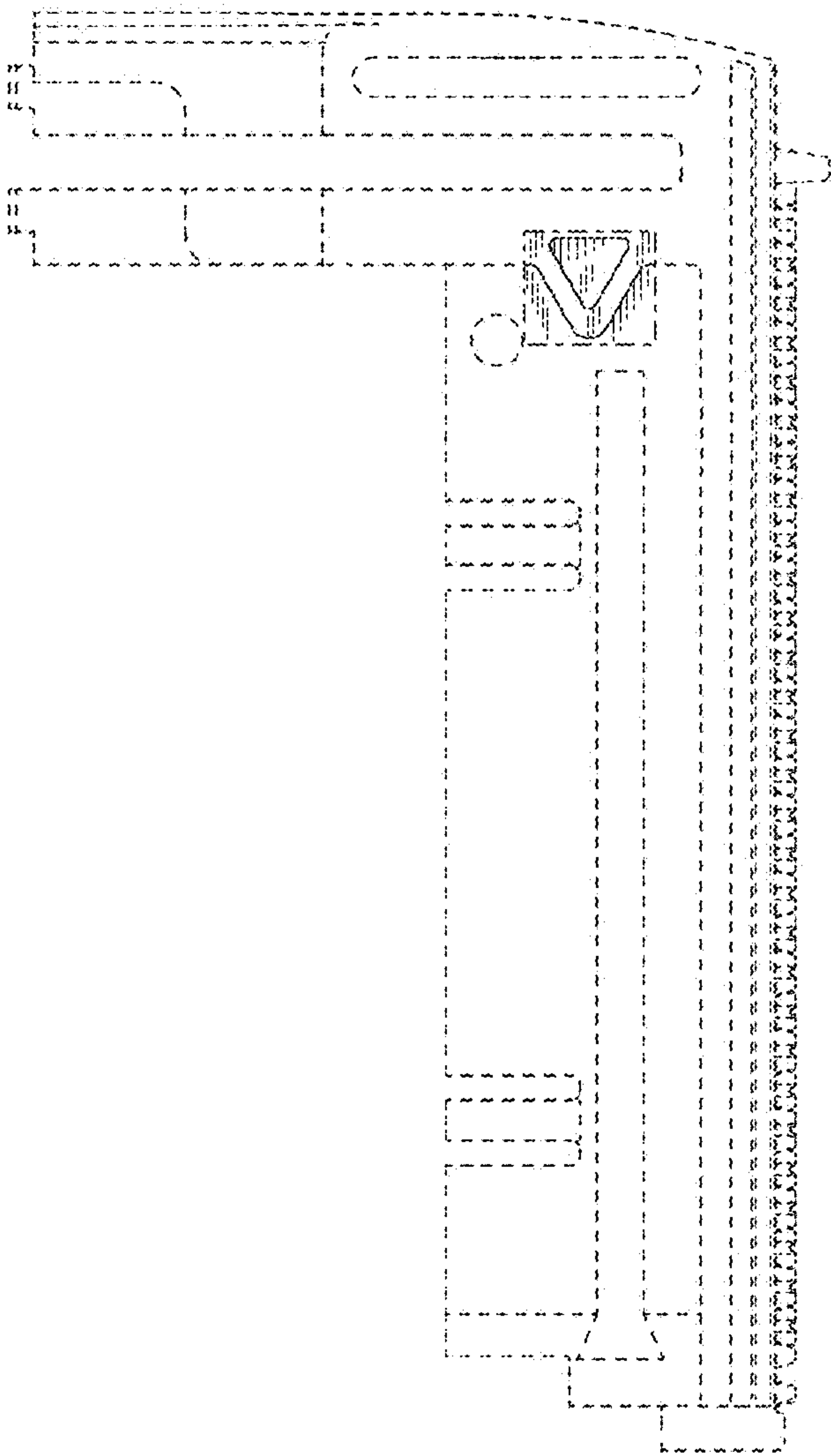
D693,925	S *	11/2013	Hunt		D24/145
11,166,721	B2 *	11/2021	Campbell		A61B 17/072
2014/0217145	A1 *	8/2014	Chen		A61B 17/072
					227/176.1
2020/0337701	A1 *	10/2020	Campbell		A61B 17/07207

* cited by examiner

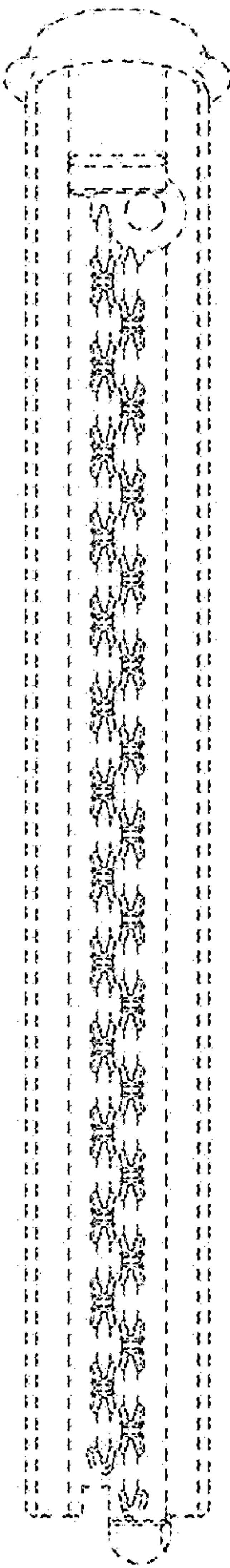
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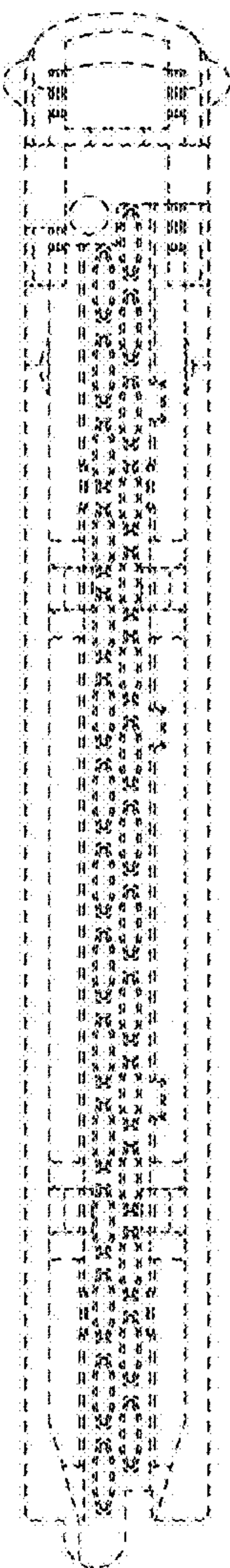
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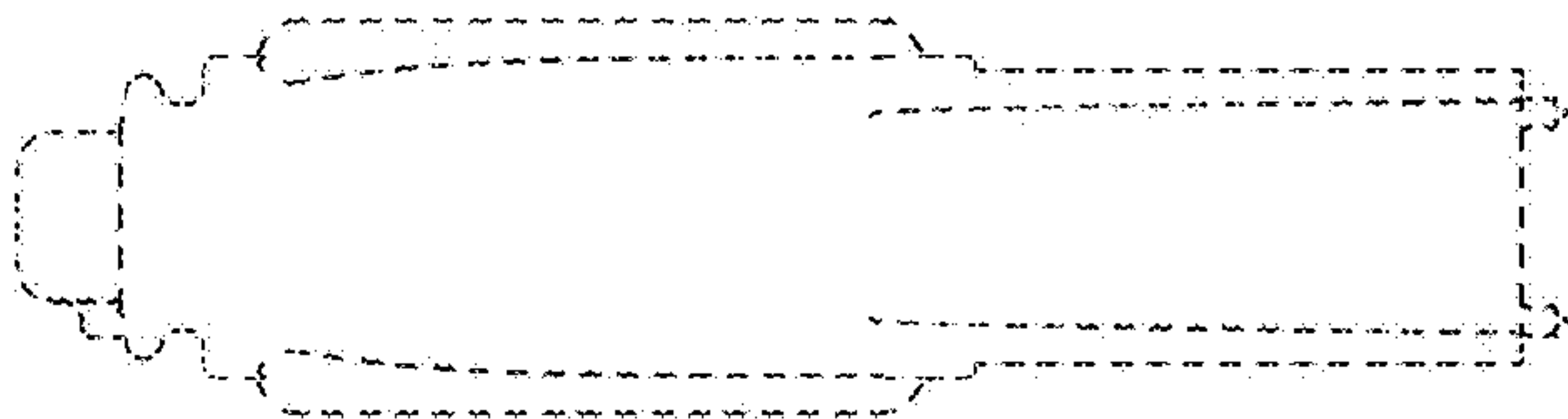
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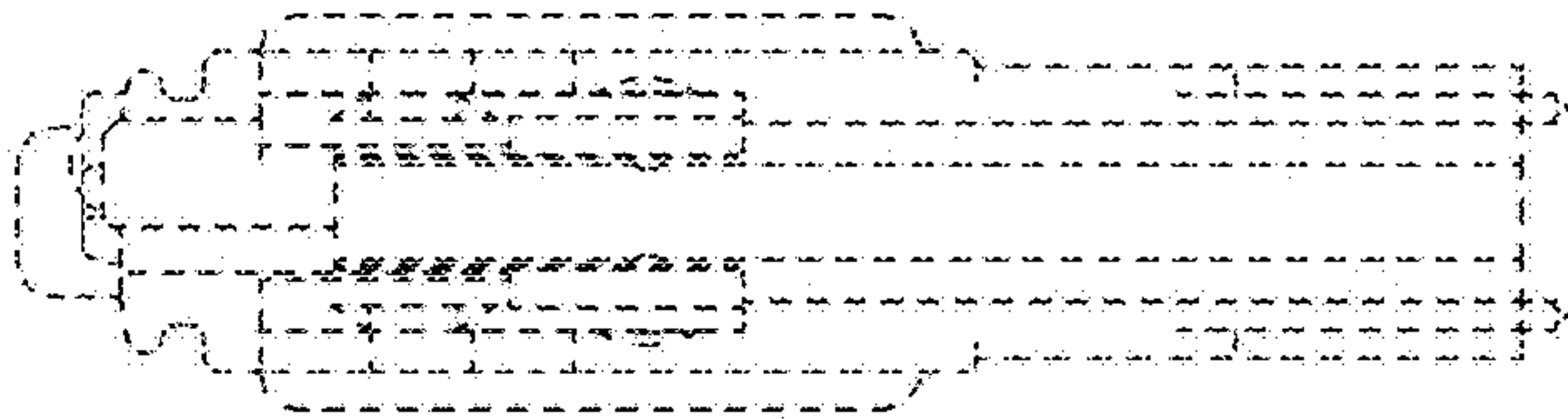
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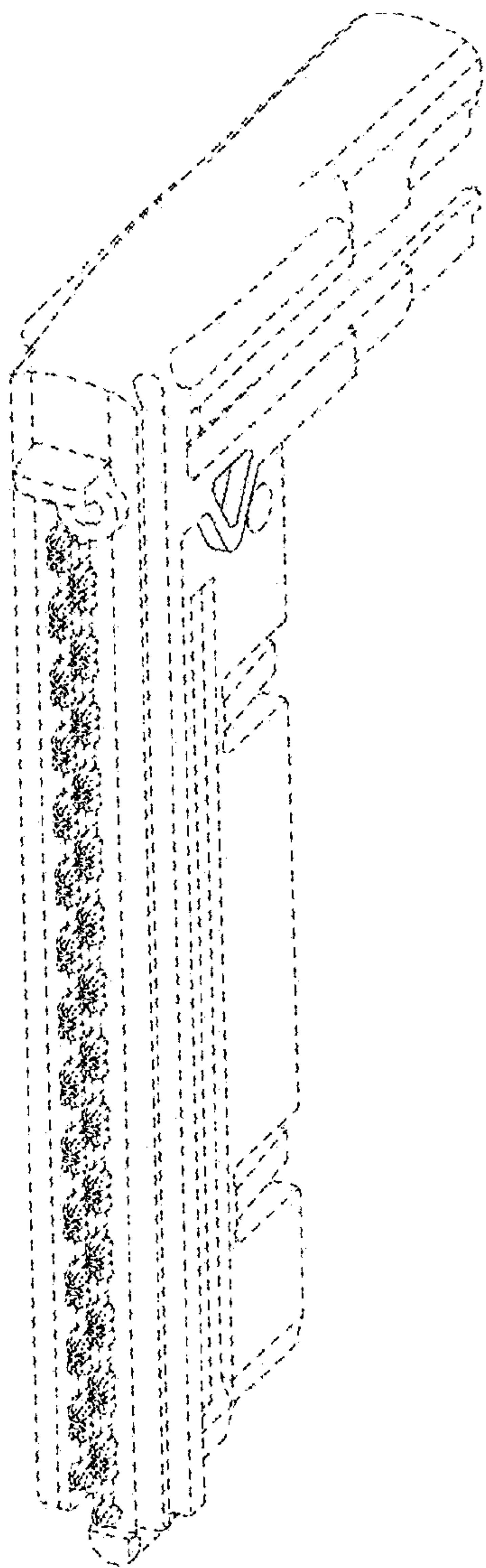
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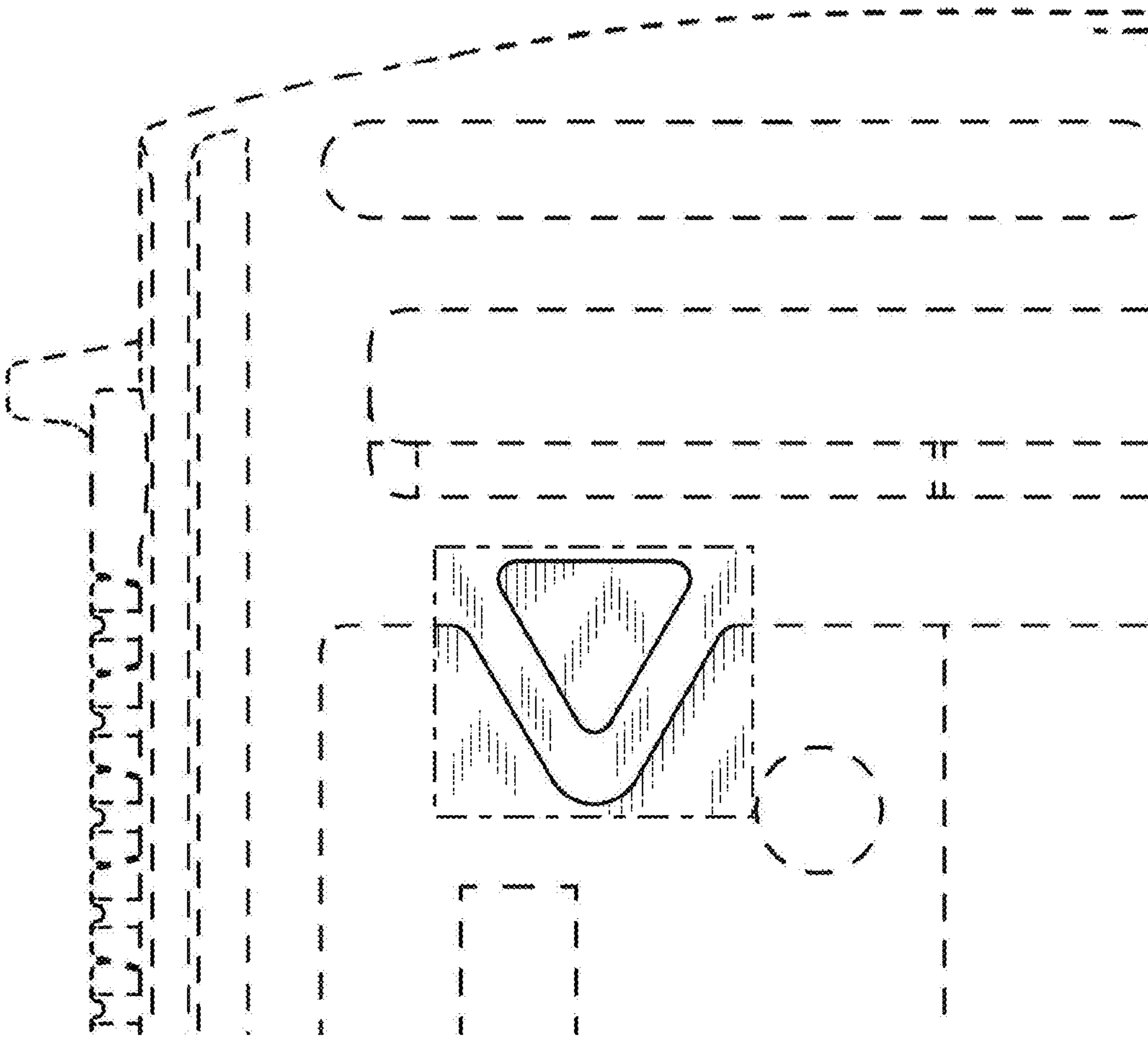
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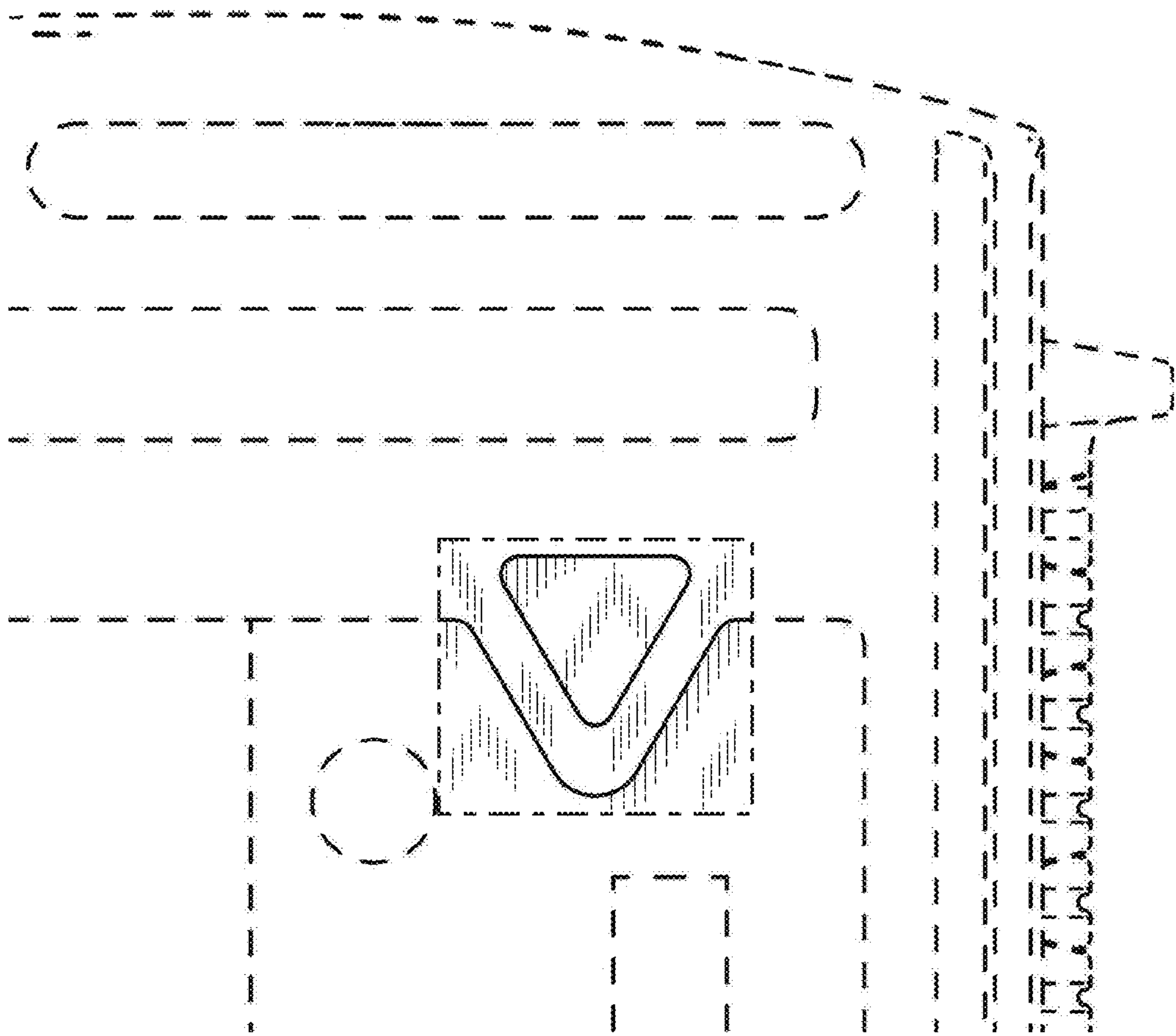
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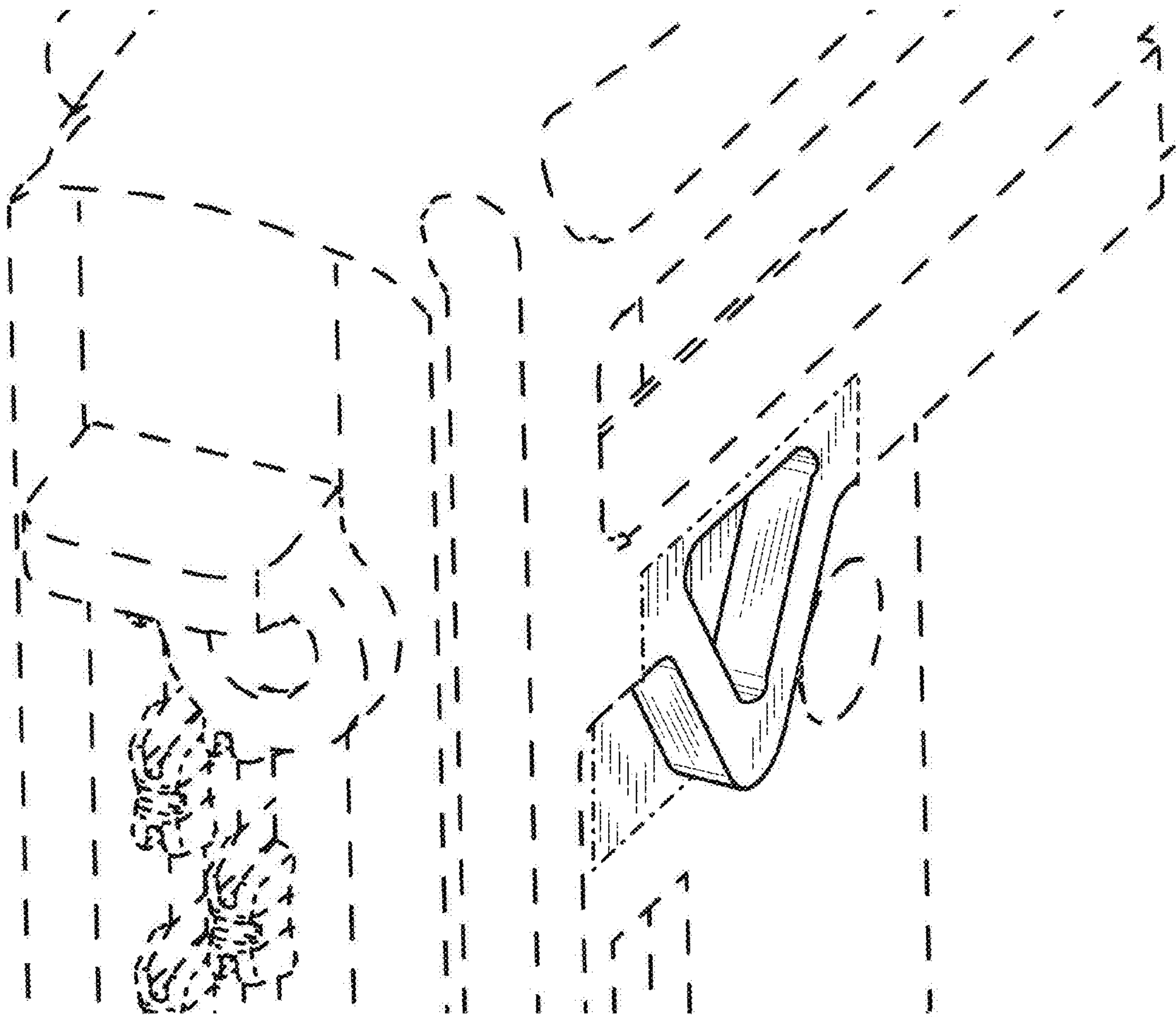
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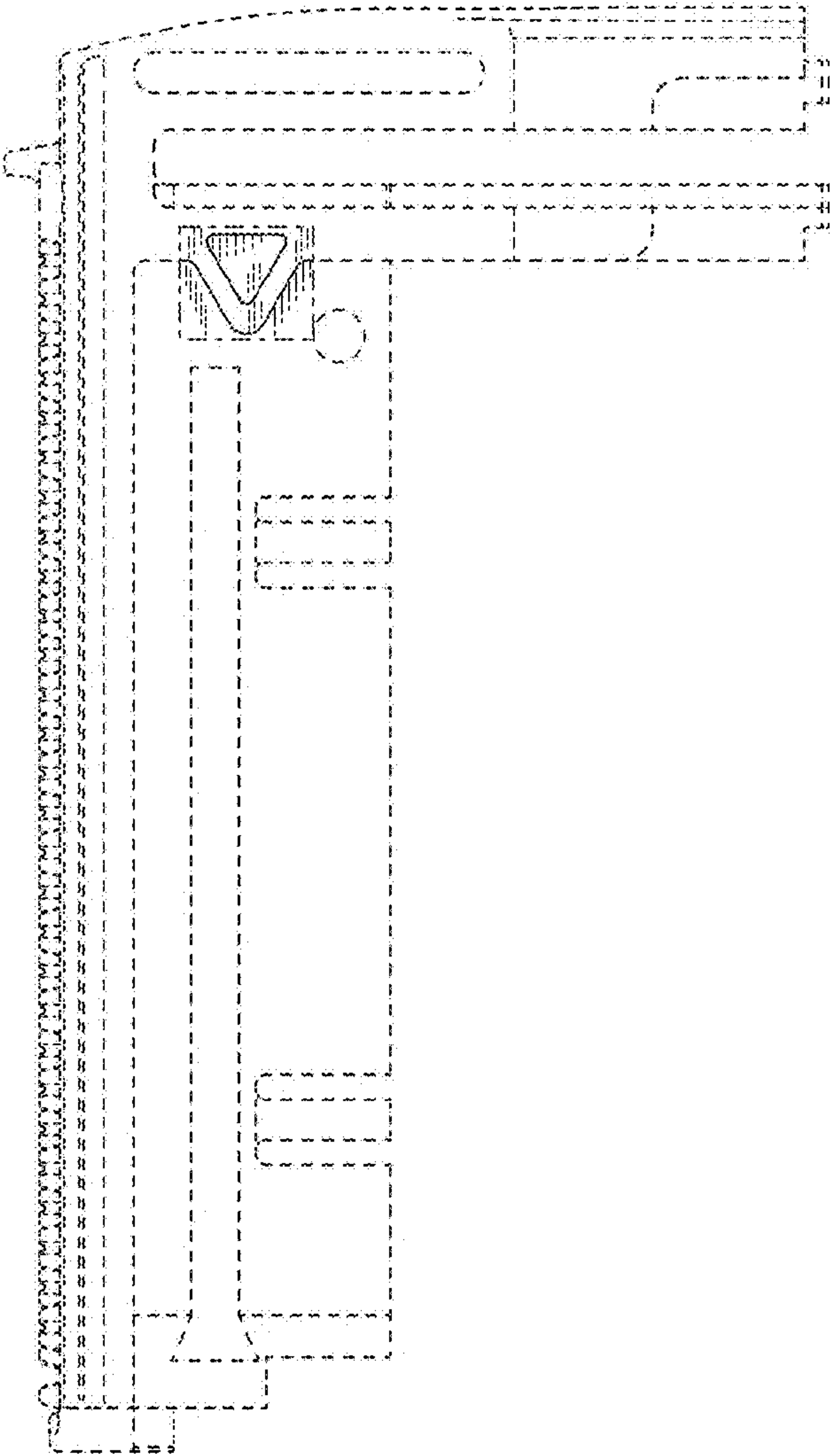
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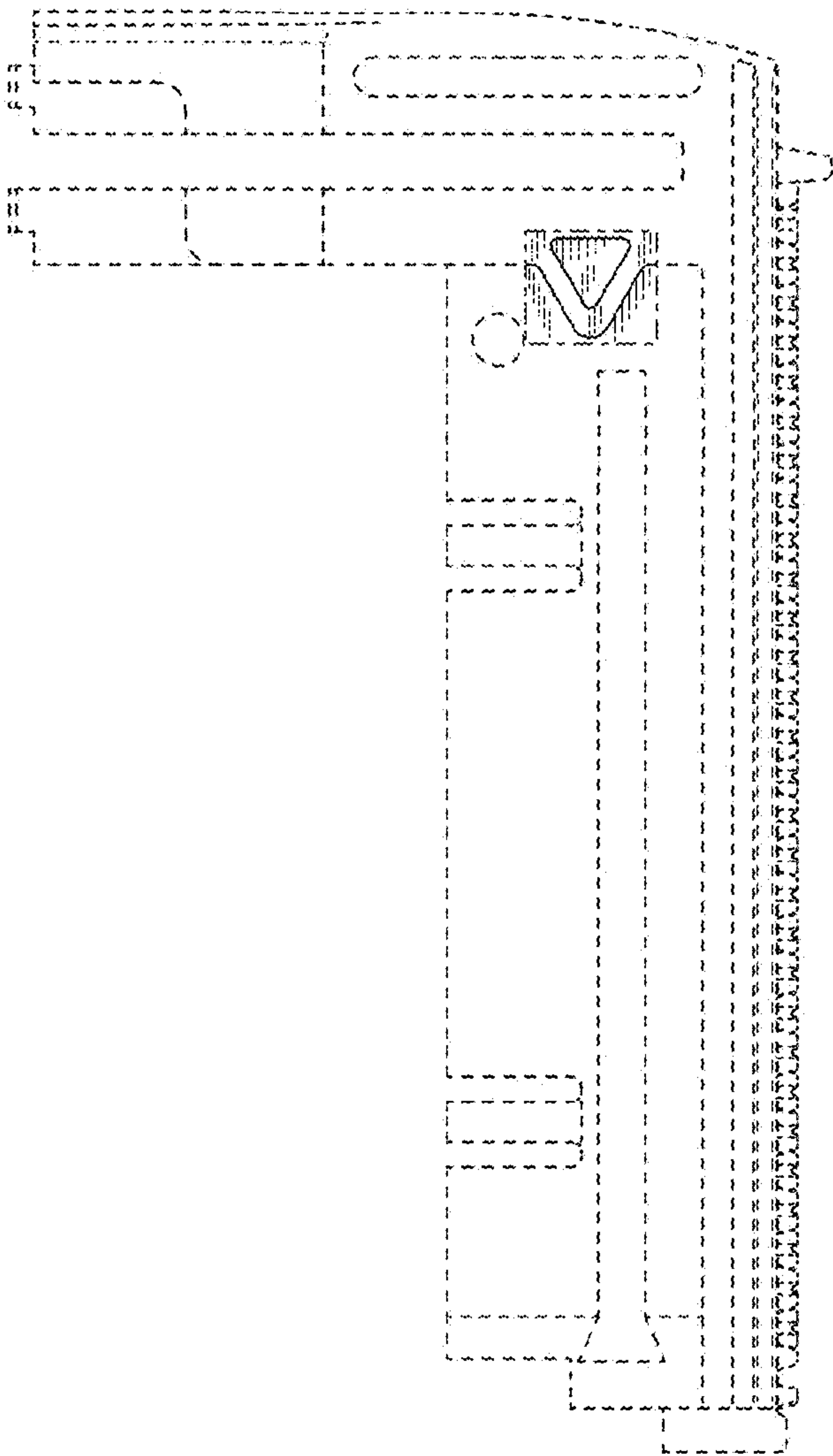
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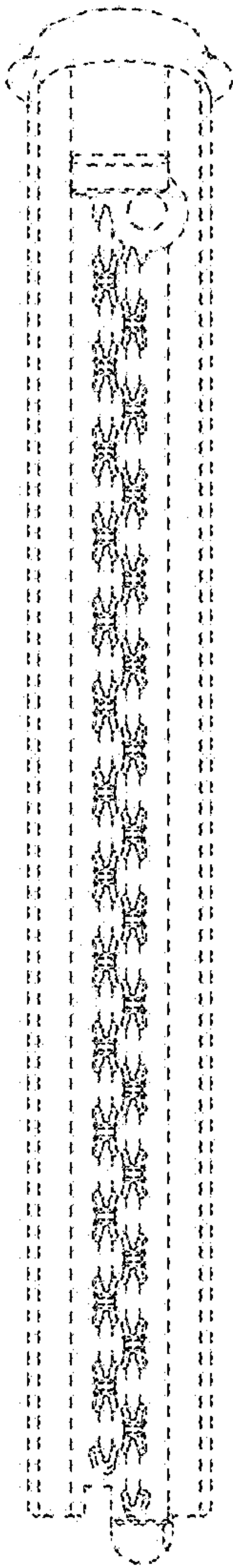
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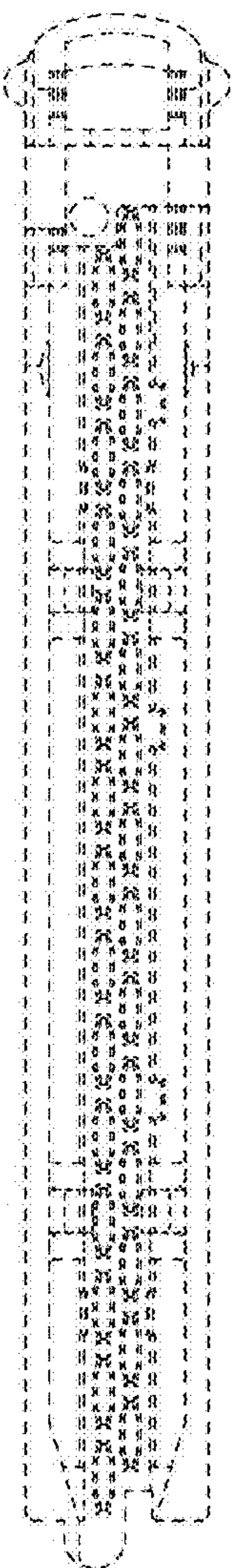
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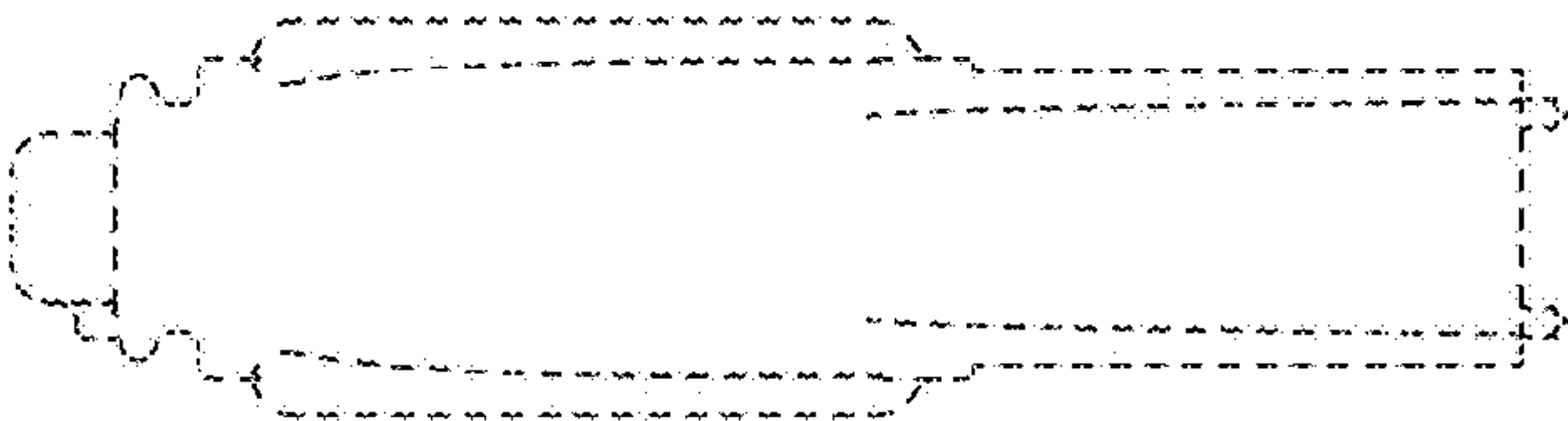
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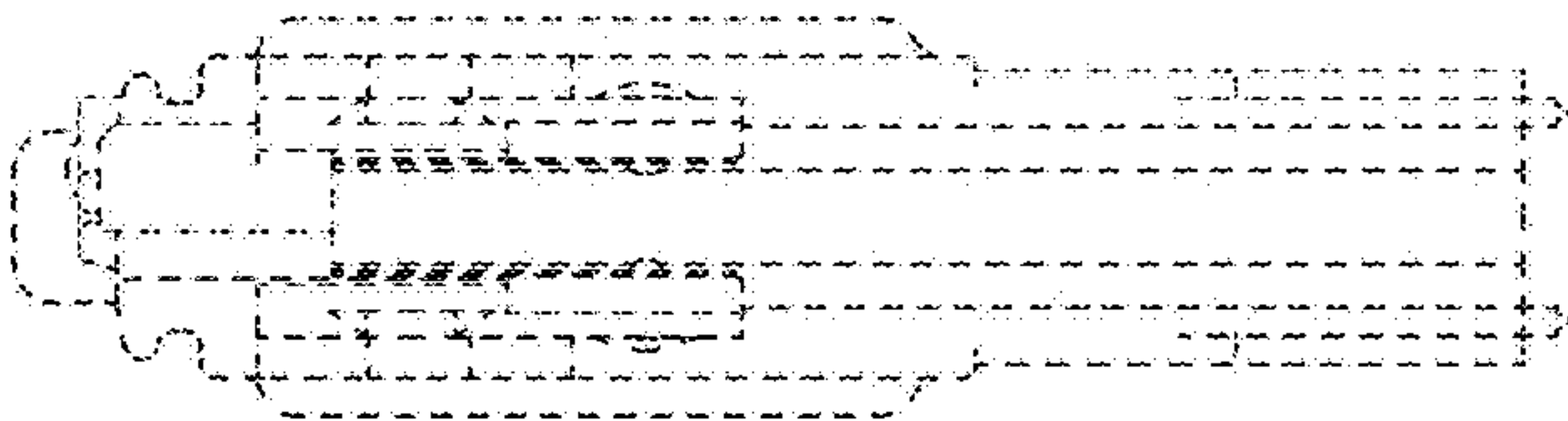
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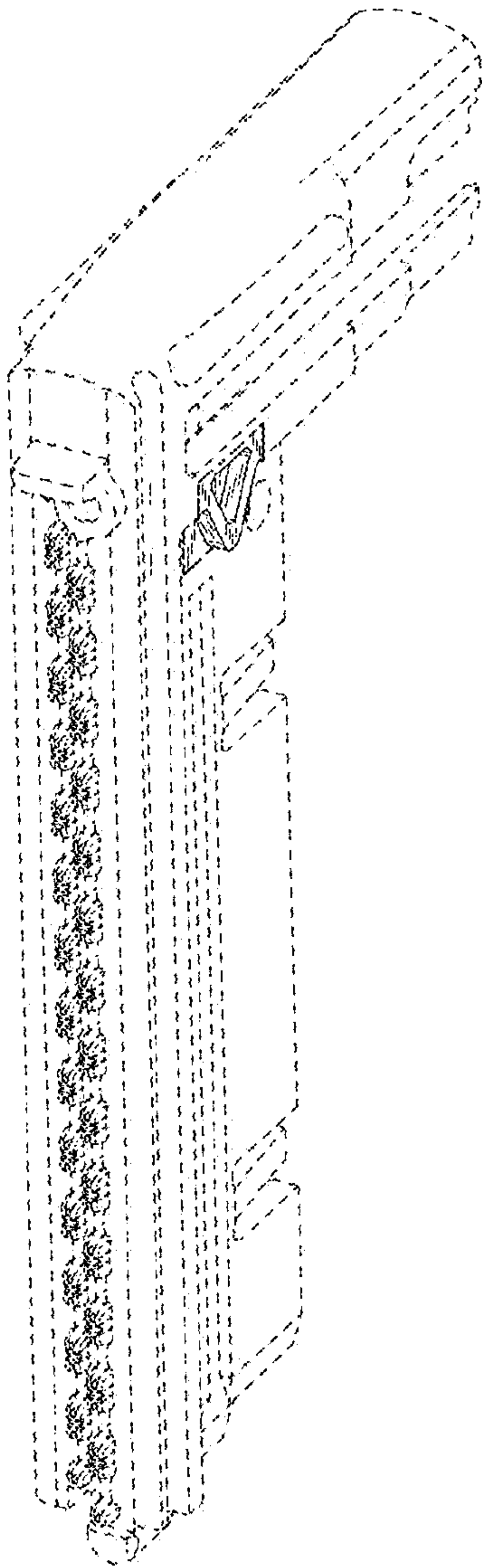
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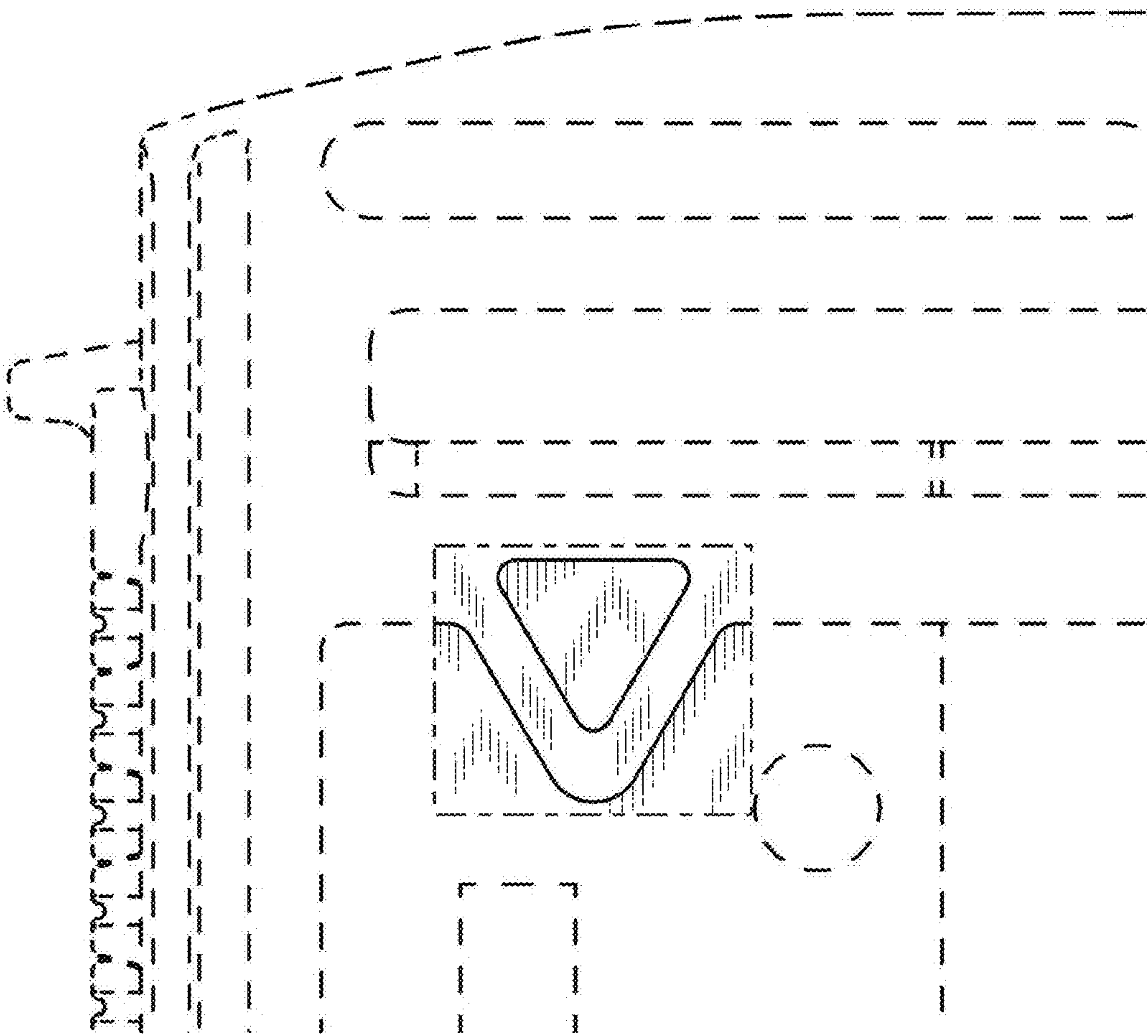
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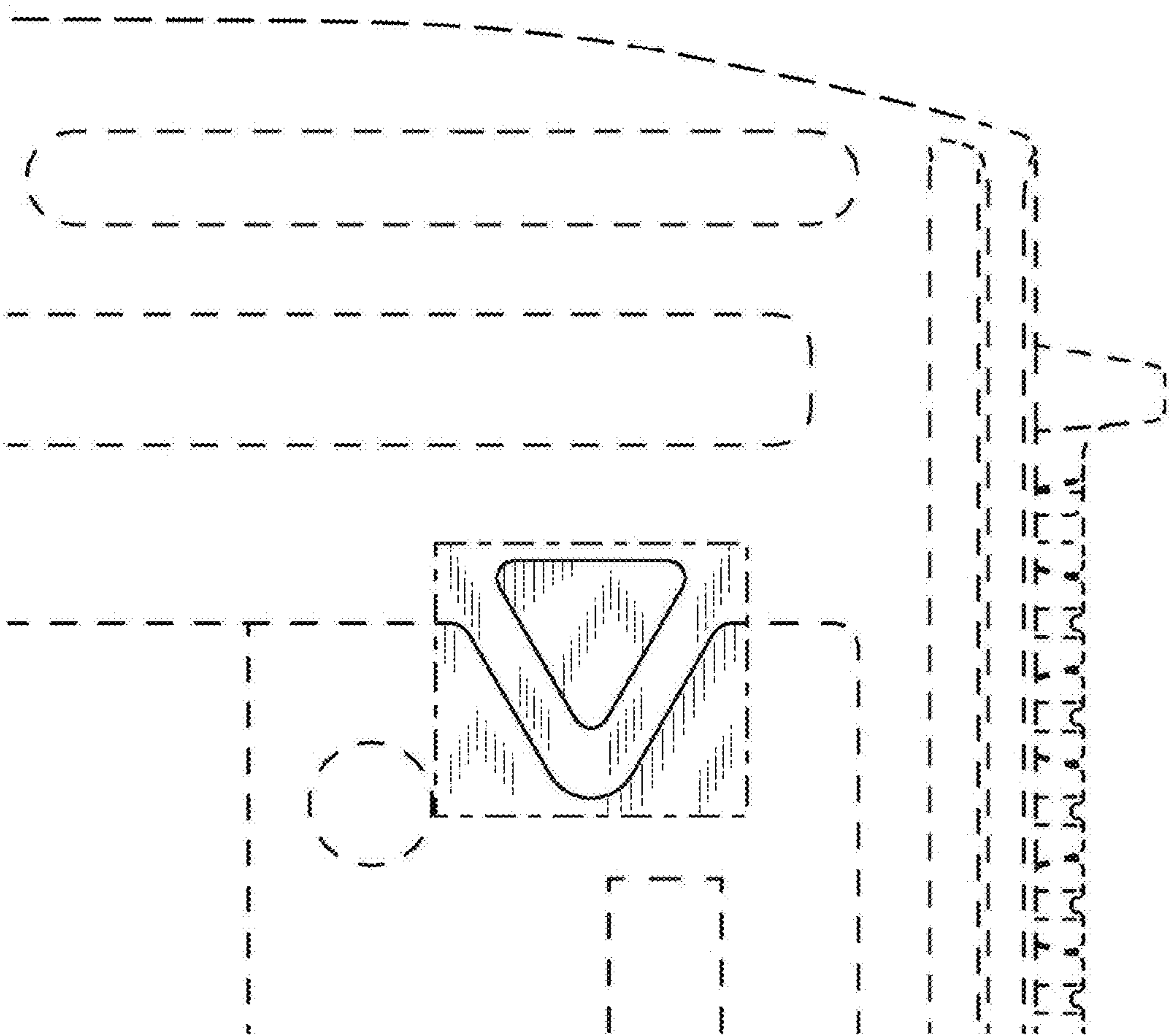
2.7



2.8



2.9



2.10

