



US00D978416S

(12) **United States Design Patent** (10) **Patent No.:** **US D978,416 S**
Klus (45) **Date of Patent:** **** Feb. 14, 2023**

(54) **EXTRUSION FOR LED BASED LIGHTING APPARATUS**

(71) Applicant: **KLUS, LLC**, Vero Beach, FL (US)

(72) Inventor: **Sylwester Klus**, Kamionka (PL)

(73) Assignee: **KLUS, LLC**, Vero Beach, FL (US)

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

(21) Appl. No.: **29/723,325**

(22) Filed: **Feb. 6, 2020**

(51) **LOC (14) Cl.** **26-05**

(52) **U.S. Cl.**
USPC **D26/138**

(58) **Field of Classification Search**
USPC D26/72, 113, 118, 119, 120, 121, 122,
D26/138, 139, 140, 141, 142, 145, 152,
D26/154, 155, 76, 78
CPC F21S 8/00; F21S 8/031; F21S 8/033; F21S
8/038; F21K 9/20; F21K 9/237; F21V
15/013; F21V 17/04; F21V 21/00; F21V
21/02
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,884,178	A	*	11/1989	Roberts	.....	F21S 8/033 362/241
D353,209	S	*	12/1994	Dallaire	.....	D25/123
D469,886	S	*	2/2003	Barnett	.....	D25/119
D652,985	S	*	1/2012	Trzesniowski	.....	D26/138
D652,986	S	*	1/2012	Trzesniowski	.....	D26/138
D731,704	S	*	6/2015	Klus	.....	D26/138
D799,720	S	*	10/2017	Tress	.....	D25/119
D807,572	S	*	1/2018	Klus	.....	D26/138
D809,704	S	*	2/2018	Klus	.....	D26/142
D818,187	S	*	5/2018	Trzesniowski	.....	D26/138
D818,194	S	*	5/2018	Trzesniowski	.....	D26/138

D818,633	S	*	5/2018	Barker	.....	D26/118
D847,412	S	*	4/2019	Trzeciński	.....	D26/138
D872,931	S	*	1/2020	Tremaine	.....	D25/119
D891,688	S	*	7/2020	Tremaine	.....	D26/138

(Continued)

FOREIGN PATENT DOCUMENTS

EM	005935558-0004	*	12/2018
EM	006574570-0002	*	6/2019
EM	006574570-0006	*	6/2019

OTHER PUBLICATIONS

“Klus Micro-Alu” reference by flexfireleds.com, oldest customer review Feb. 26, 2019 [online], site visited Feb. 1, 2022, available from internet URL: <https://www.flexfireleds.com/klus/klus-micro-alu-anodized-extrusion/> (Year: 2019).*

(Continued)

Primary Examiner — Marissa J Cash
Assistant Examiner — Liv C Anderson
(74) *Attorney, Agent, or Firm* — Mark Terry

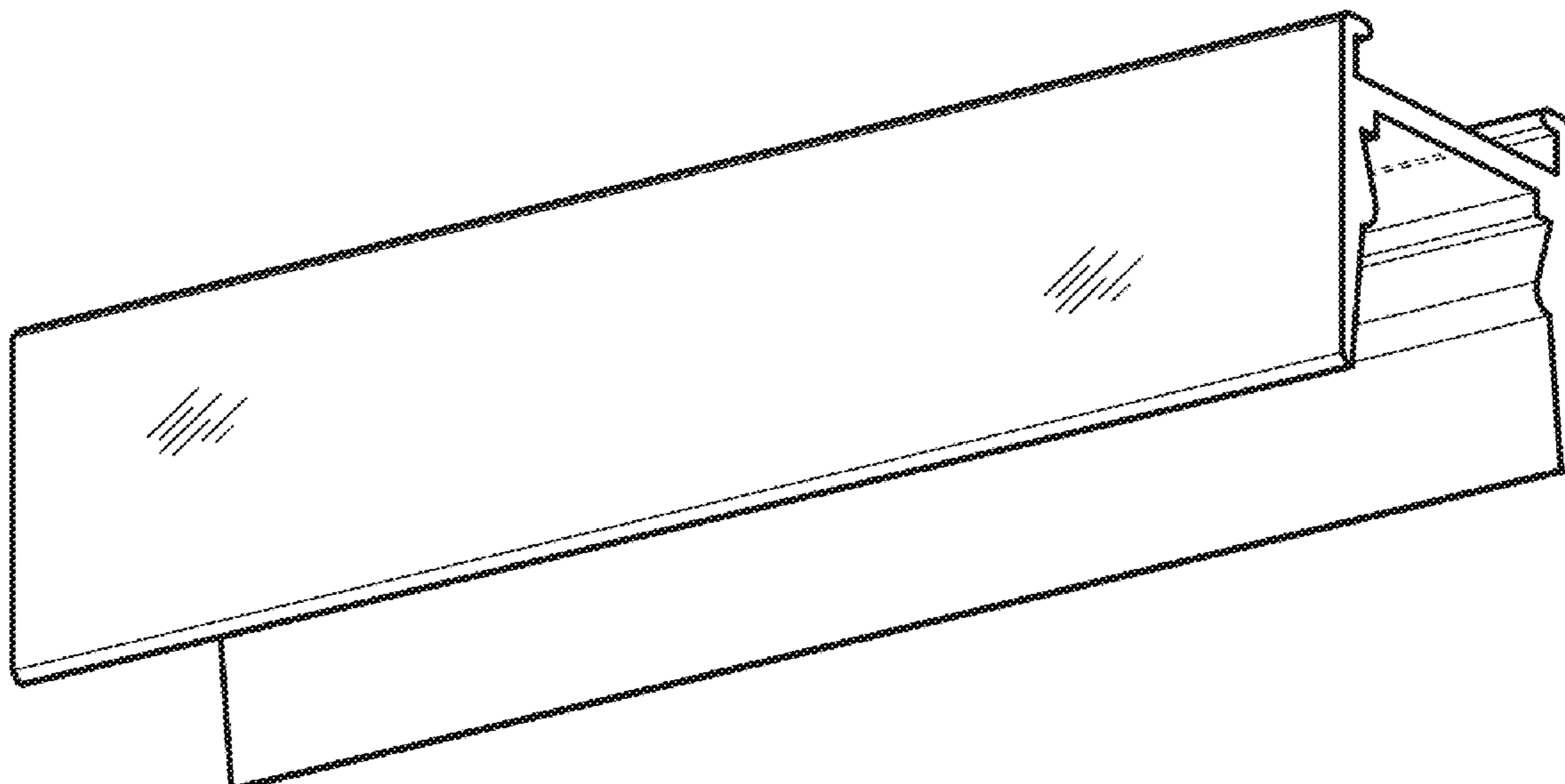
(57) **CLAIM**

The ornamental design for an extrusion for LED based lighting apparatus, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of the extrusion for LED based lighting apparatus, showing the new design;
FIG. 2 is a bottom perspective view thereof;
FIG. 3 is a front view thereof;
FIG. 4 is a top view thereof;
FIG. 5 is a rear view thereof;
FIG. 6 is a bottom view thereof;
FIG. 7 is another front view thereof; and,
FIG. 8 is a side view thereof.
The broken lines in the drawings depict environmental subject matter only and form no part of the claimed design.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D906,582 S * 12/2020 Trzcieliński D26/138
D925,817 S * 7/2021 Klus D26/141
D946,200 S * 3/2022 Gorman D26/141
D947,444 S * 3/2022 Darling D26/142
D951,530 S * 5/2022 Klus D26/138

OTHER PUBLICATIONS

“LightingWill” reference by LightingWill on Amazon.com, date first available Aug. 23, 2018 [online], site visited Feb. 1, 2022, available from internet URL: https://www.amazon.com/dp/B07GRX6W84/ref=cm_sw_em_r_mt_dp_Q7X1STEBY51B448PZP5C?th=1 (Year: 2018).*

“Muzata” reference by Muzata on Amazon.com, date first available Jul. 9, 2019 [online], site visited Feb. 1, 2022, available from internet URL: https://www.amazon.com/dp/B07V1KXPLF/ref=cm_sw_em_r_mt_dp_AHDXCCRW7RZ8PB2PF62M?_encoding=UTF8&th=1 (Year: 2019).*

“Micro-HG” reference by Klus Design on Vimeo.com, date first uploaded on Vimeo Sep. 13, 2019 [online], site visited Feb. 1, 2022, internet URL: https://vimeo.com/359772872?embedded=true&source=vimeo_logo&owner=74198202 (Year: 2019).*

* cited by examiner

FIG. 1

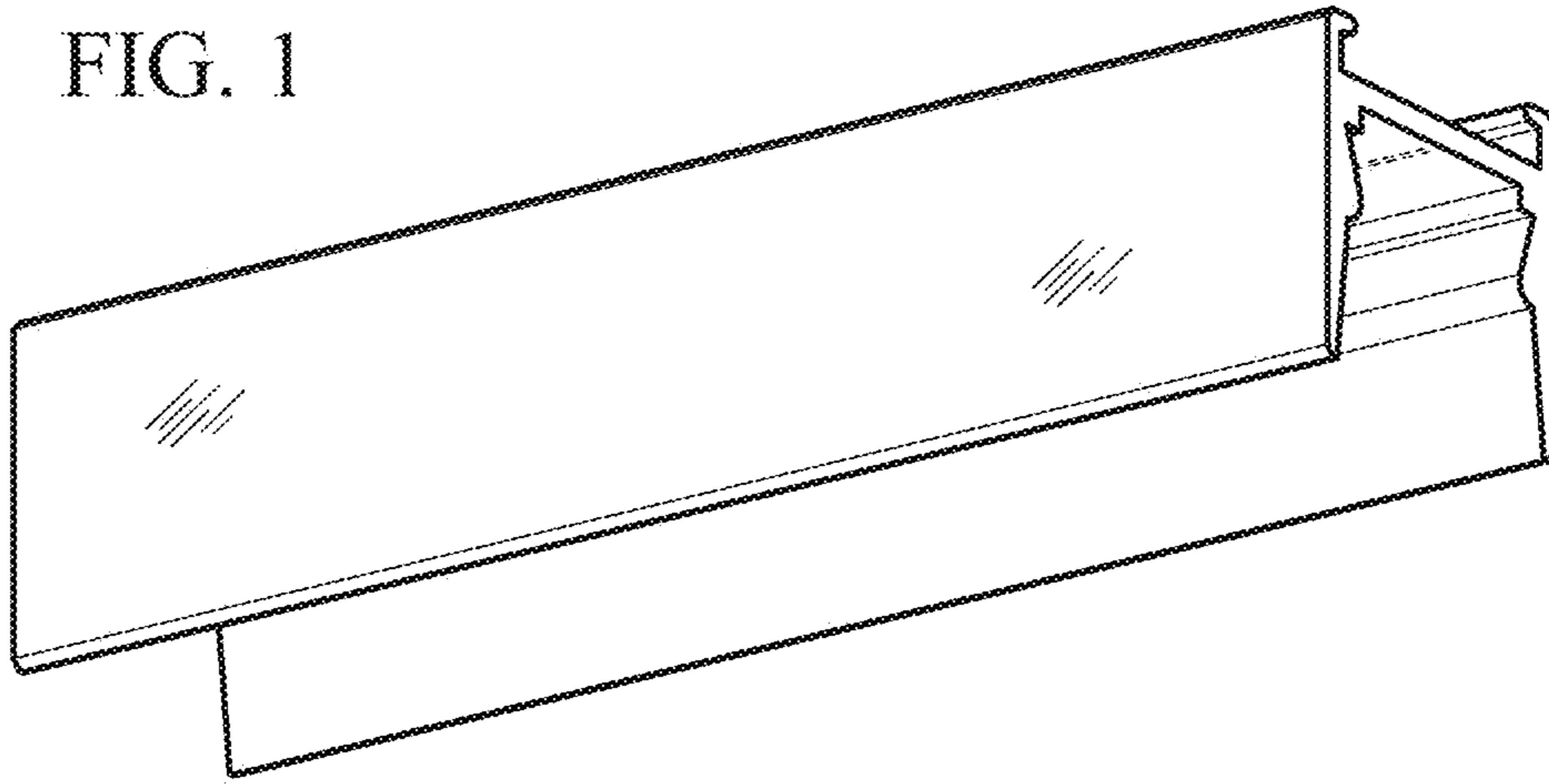


FIG. 2

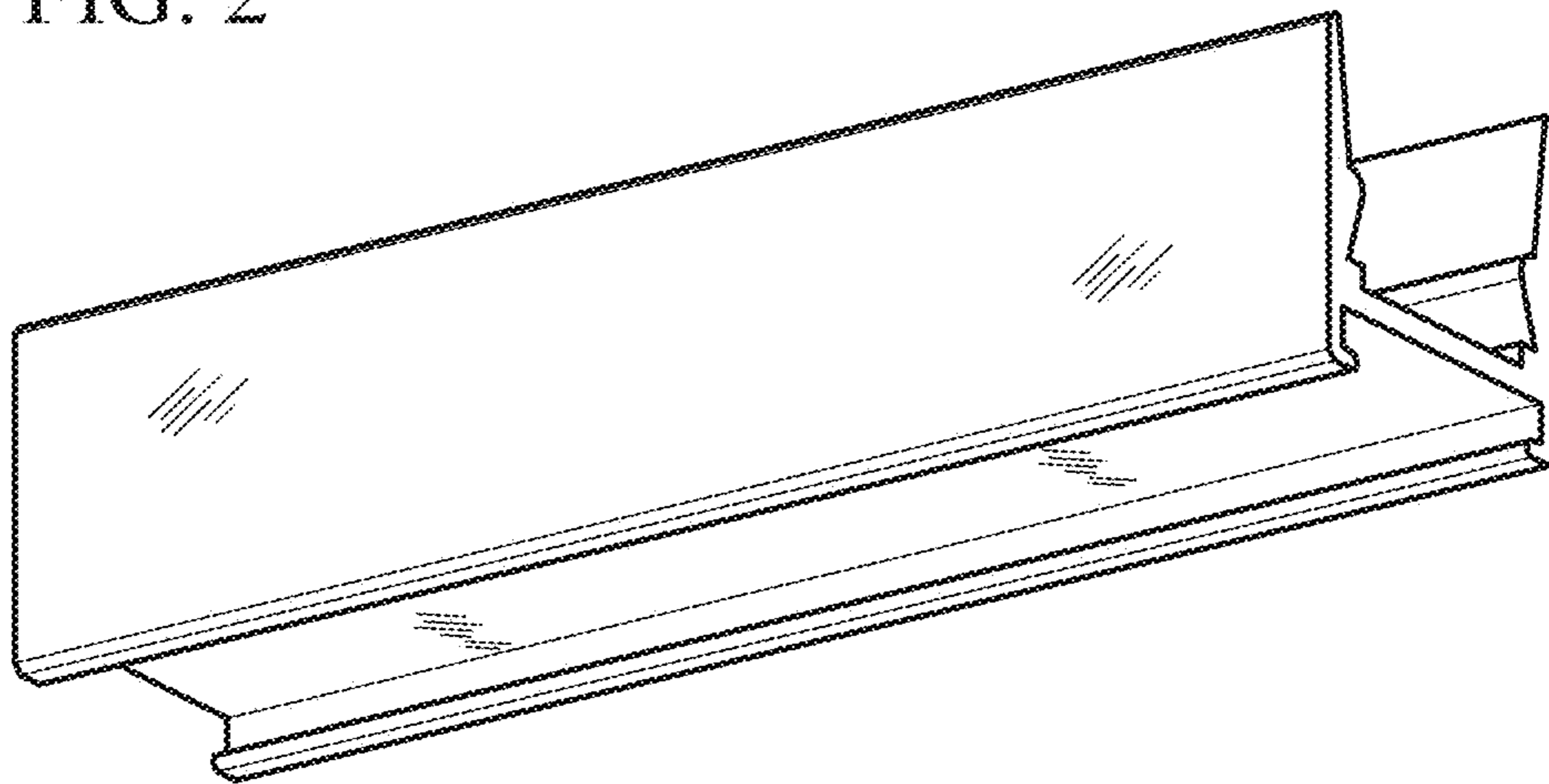


FIG. 3

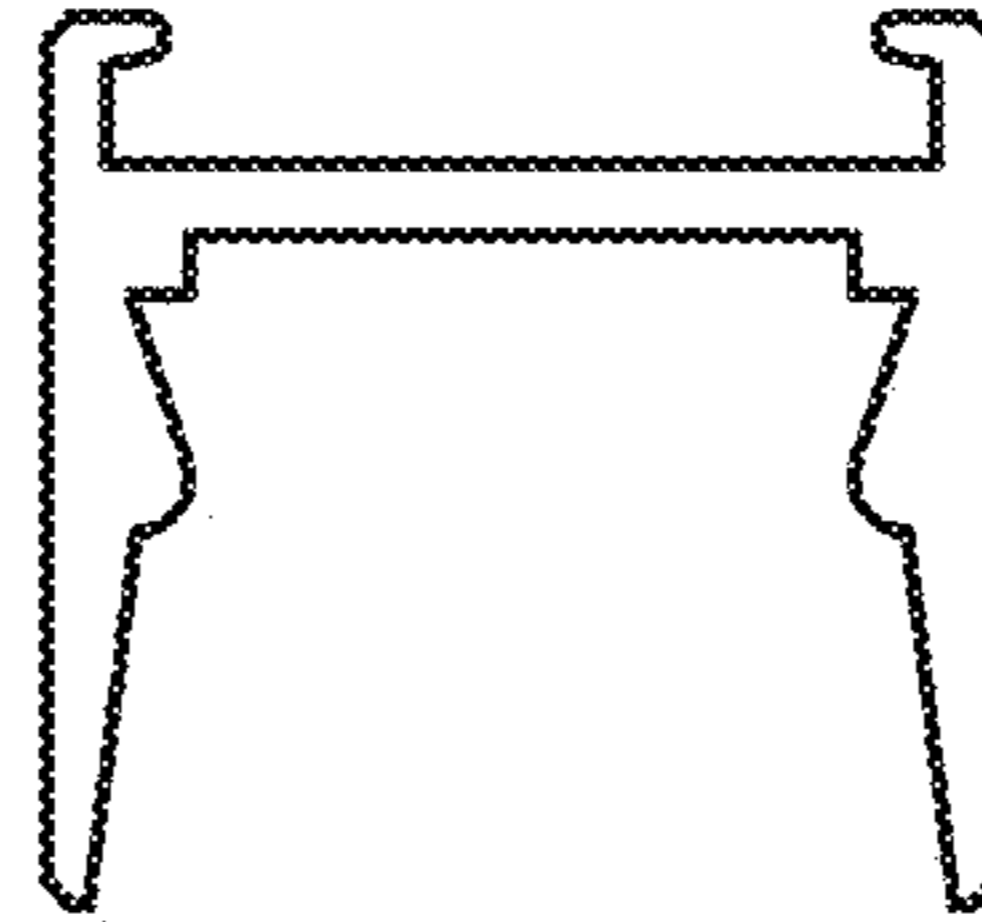


FIG. 4

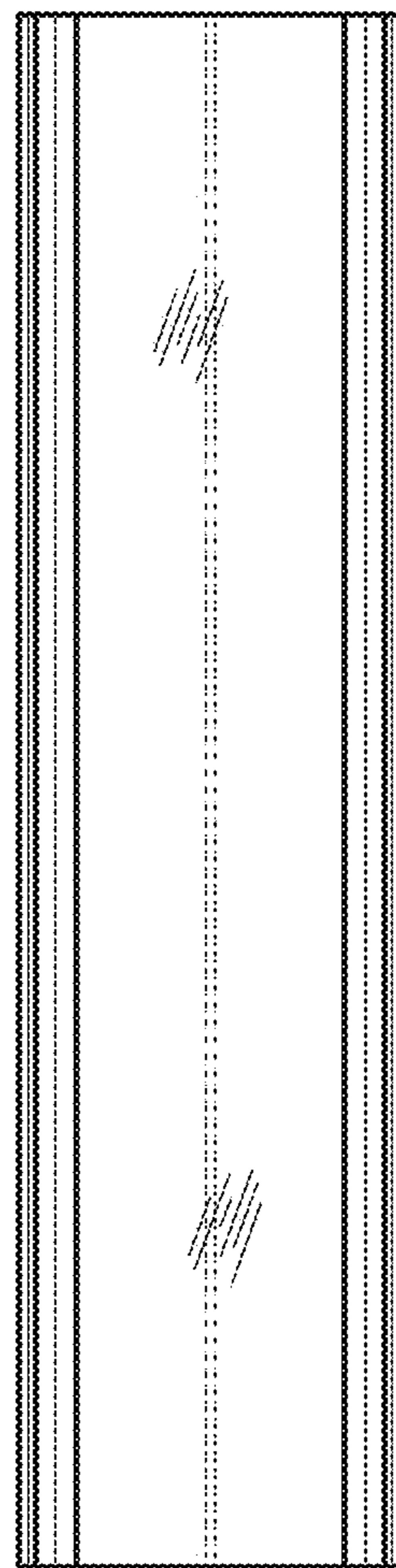


FIG. 5

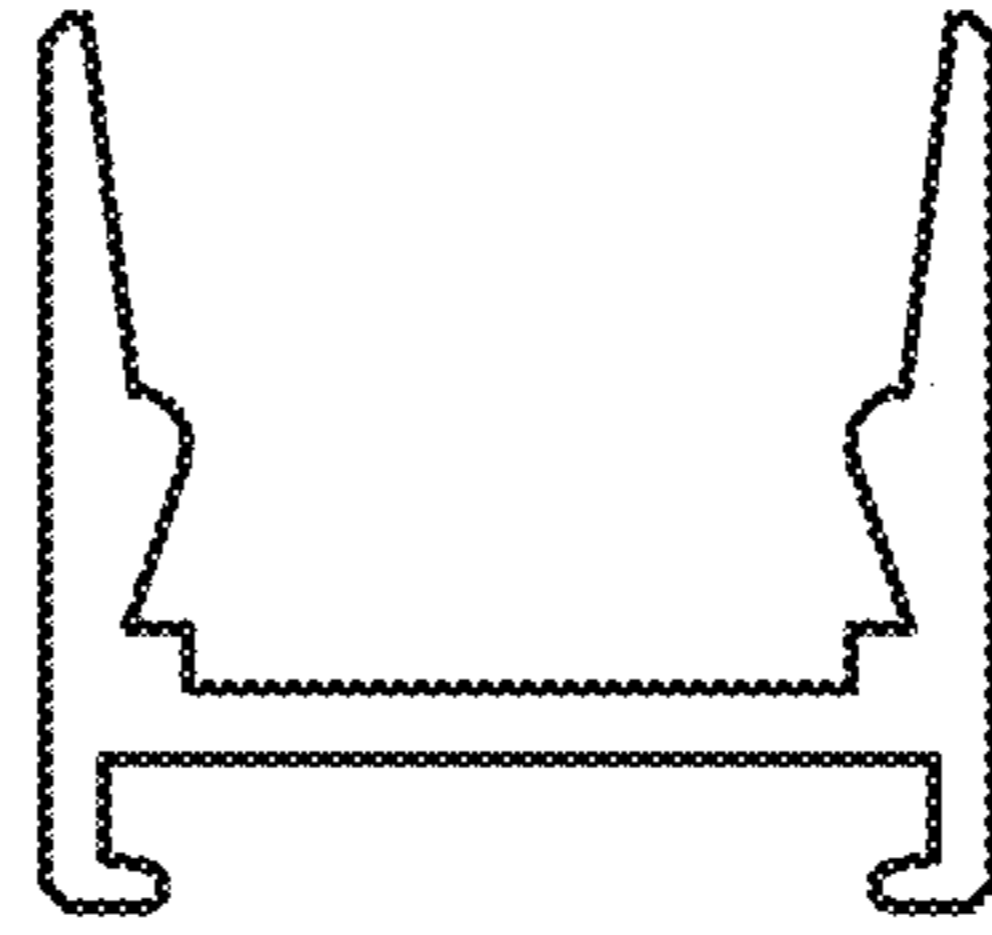


FIG. 6

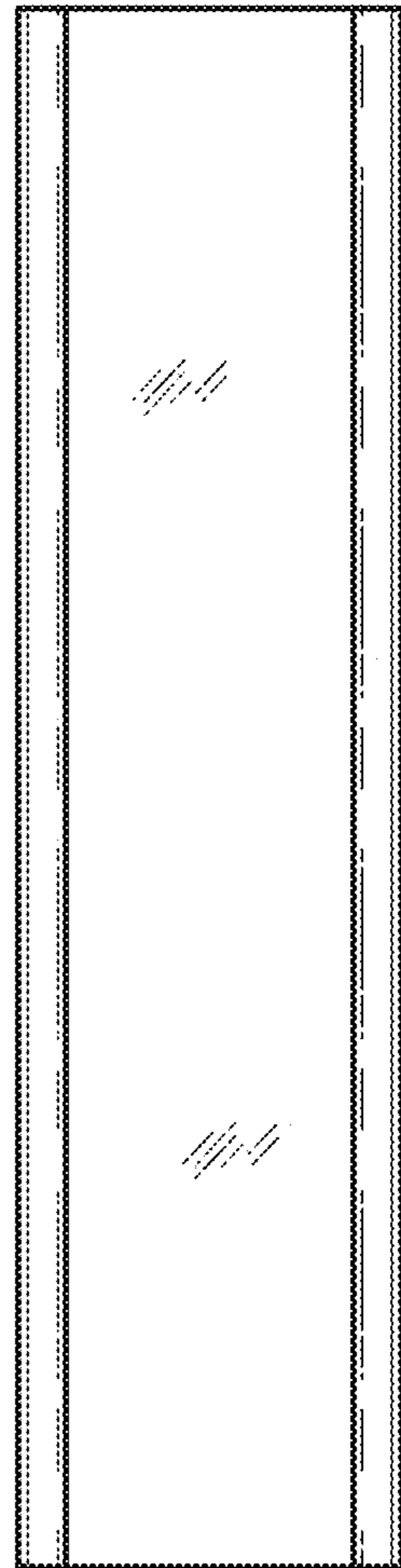


FIG. 7

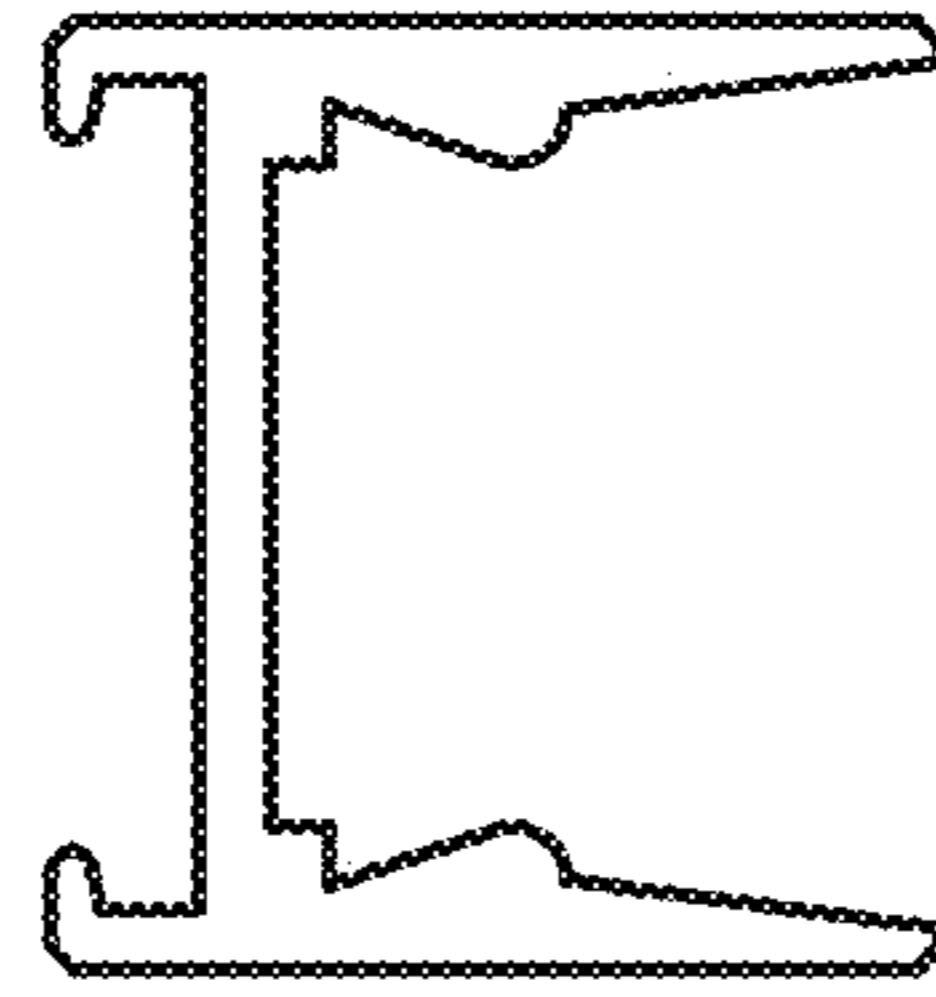


FIG. 8

