US00D886805S

(12) United States Design Patent

Yang

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(54) **ANTENNA**

(71) Applicant: **SHENZHEN ANTOP TECHNOLOGY LIMITED**, Shenzhen (CN)

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(73) Assignee: **SHENZHEN ANTOP TECHNOLOGY LIMITED**, Shenzhen (CN)

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

(21) Appl. No.: **29/617,823**

(22) Filed: **Sep. 15, 2017**

(51) **LOC (12) Cl.** **14-03**

(52) **U.S. Cl.**
USPC **D14/230**

(58) **Field of Classification Search**
USPC D14/230–238, 138, 172, 188, 203.1, D14/203.3, 203.6, 204, 216, 221, 238.1,
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D379,356 S * 5/1997 Liu D14/230
D398,610 S * 9/1998 Read D14/230
(Continued)

OTHER PUBLICATIONS

GE UltraPro Hover Indoor Antenna Bar, Signal Booster, 55 Mile Range, 37075, Walmart online, no post date, URL: https://www.walmart.com/ip/GE-UltraPro-Hover-Indoor-Antenna-Bar-Signal-Booster-55-Mile-Range-37075/177934738, retrieved Nov. 22, 2019.*

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Assistant Examiner — Rebekah A Caruso
(74) *Attorney, Agent, or Firm* — Muncy, Geissler, Olds & Lowe, P.C.

(57) **CLAIM**

The ornamental design for an antenna, as shown and described.

DESCRIPTION

FIG. **1** is a front elevational view of an antenna showing my new design;
FIG. **2** is a rear elevational view thereof;
FIG. **3** is a left side elevational view thereof;
FIG. **4** is a right side elevational view thereof;
FIG. **5** is a top plan view thereof;
FIG. **6** is a bottom plan view thereof, showing the bracket element in an alternate position;
FIG. **7** is a top, rear, right perspective view thereof, showing the bracket element in the same position as FIG. **5**; and
FIG. **8** is a bottom, rear, right perspective view thereof, showing the bracket element in a second alternate position;
FIG. **9** is a front elevational view of a second embodiment of an antenna showing my new design;
FIG. **10** is a rear elevational view thereof;
FIG. **11** is a left side elevational view thereof;
FIG. **12** is a right side elevational view thereof;
FIG. **13** is a top plan view thereof;
FIG. **14** is a bottom plan view thereof, showing the bracket element in an alternate position;
FIG. **15** is a bottom, front, right perspective view thereof, showing the bracket element in the same position as FIG. **13**;
FIG. **16** is a bottom, rear, right perspective view thereof, showing the bracket element in a second alternate position; and
FIG. **17** is a top, front, right perspective view thereof, showing the bracket element in the same position as FIG. **13**;
FIG. **18** is a front elevational view of a third embodiment of an antenna showing my new design;
FIG. **19** is a rear elevational view thereof;
FIG. **20** is a left side elevational view thereof;
FIG. **21** is a right side elevational view thereof;
FIG. **22** is a top plan view thereof;
FIG. **23** is a bottom plan view thereof, showing the bracket element in an alternate position;
(Continued)

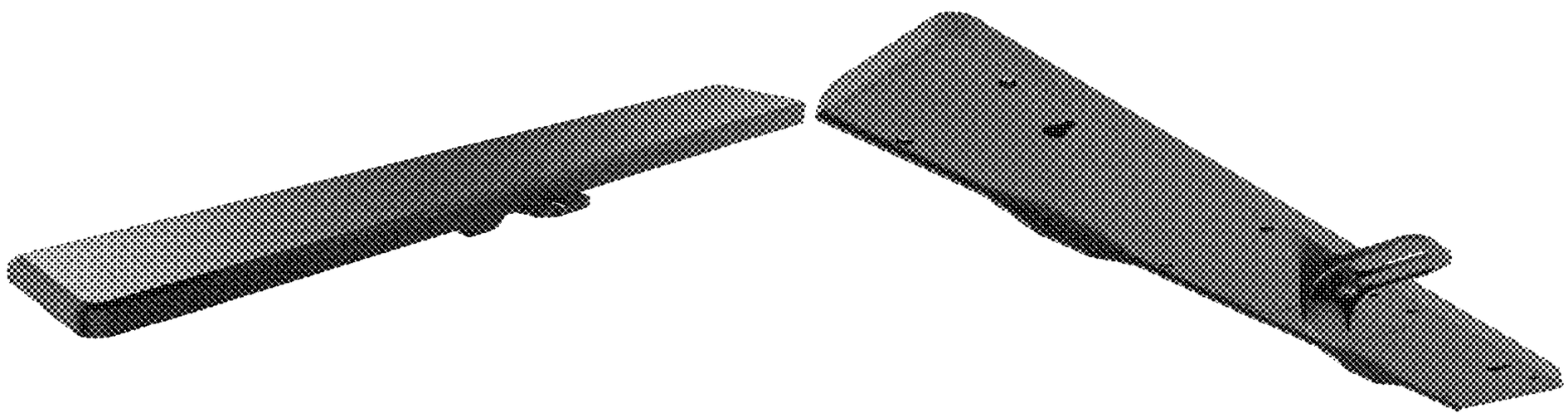


FIG. **24** is a top, front, right perspective view thereof, showing the bracket element in the same position as FIG. **22**; and
FIG. **25** is a bottom, rear, right perspective view thereof, showing the bracket element in a second alternate position;
FIG. **26** is a front elevational view of a fourth embodiment of an antenna showing my new design;
FIG. **27** is a rear elevational view thereof;
FIG. **28** is a left side elevational view thereof;
FIG. **29** is a right side elevational view thereof;
FIG. **30** is a top plan view thereof;
FIG. **31** is a bottom plan view thereof;
FIG. **32** is a top, front, right perspective view thereof;
FIG. **33** is a bottom, rear, right perspective view thereof;
FIG. **34** is a top, rear, right perspective view thereof; and
FIG. **35** is a bottom, front, right perspective view thereof;
FIG. **36** is a front elevational view of a fifth embodiment of an antenna showing my new design;
FIG. **37** is a rear elevational view thereof;
FIG. **38** is a left side elevational view thereof;
FIG. **39** is a right side elevational view thereof;
FIG. **40** is a top plan view thereof;
FIG. **41** is a bottom plan view thereof;
FIG. **42** is a bottom, rear, right perspective view thereof;
FIG. **43** is a top, front, right perspective view thereof;
FIG. **44** is a top, rear, right perspective view thereof; and
FIG. **45** is a bottom, front, left perspective view thereof;
FIG. **46** is a front elevational view of a sixth embodiment of an antenna showing my new design;
FIG. **47** is a rear elevational view thereof;
FIG. **48** is a left side elevational view thereof;
FIG. **49** is a right side elevational view thereof;
FIG. **50** is a top plan view thereof;
FIG. **51** is a bottom plan view thereof;
FIG. **52** is a top, front, right perspective view thereof;
FIG. **53** is a bottom, rear, right perspective view thereof;
FIG. **54** is a top, rear, right perspective view thereof; and,
FIG. **55** is a bottom, front, right perspective view thereof.

1 Claim, 55 Drawing Sheets

(58) **Field of Classification Search**
USPC D14/240, 242, 299, 314, 343, 356, 358, D14/496, 509, 497, 498, 500, 506, D14/168–171, 195, 211, 265, 214
CPC H01Q 1/12; H01Q 1/22; H01Q 1/007; H01Q 1/38; H01Q 7/00; H01Q 9/40; H01Q 9/285; H01Q 9/065; H01Q 9/44; H01Q 9/265; H01Q 19/10; H01Q 19/106; H01Q 19/12; H01Q 19/13; H01Q 19/15; H01Q 19/30; H01Q 21/28; H01Q 21/06; H01Q 21/062; H01Q 21/293; G05D 1/02; G05D 1/0234
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,844,529	A *	12/1998	Bell	H01Q 1/246	343/872
D470,837	S *	2/2003	Tourres	D14/230	
D520,498	S *	5/2006	Lin	D14/230	
D527,378	S *	8/2006	Raymond	D14/230	
D532,323	S *	11/2006	Gotou	D10/65	
D559,838	S *	1/2008	Yuba	D14/230	
D595,700	S *	7/2009	Cook	D14/234	
D632,285	S *	2/2011	Takahashi	D14/230	
D683,720	S *	6/2013	Quinlan	D14/230	
D791,105	S *	7/2017	Weber	D14/218	
D810,059	S *	2/2018	Weber	D14/230	
D823,287	S *	7/2018	Yang	D14/238	
2001/0022559	A1 *	9/2001	Takahashi	H01Q 1/3291	343/724

* cited by examiner

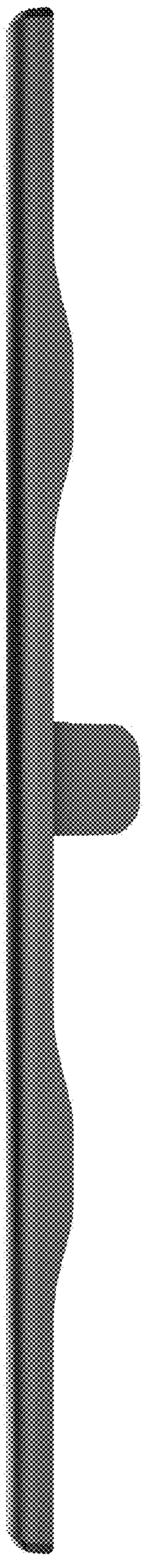


FIG. 1

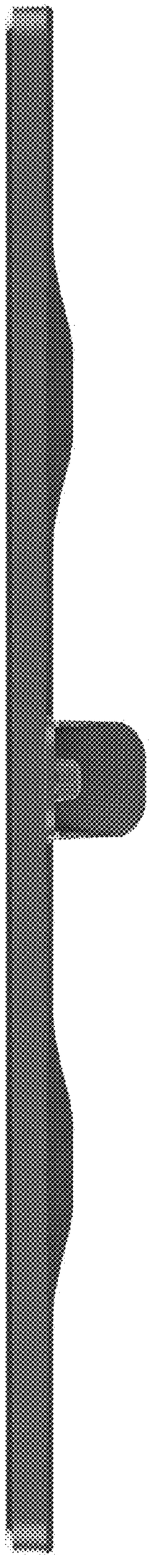


FIG. 2

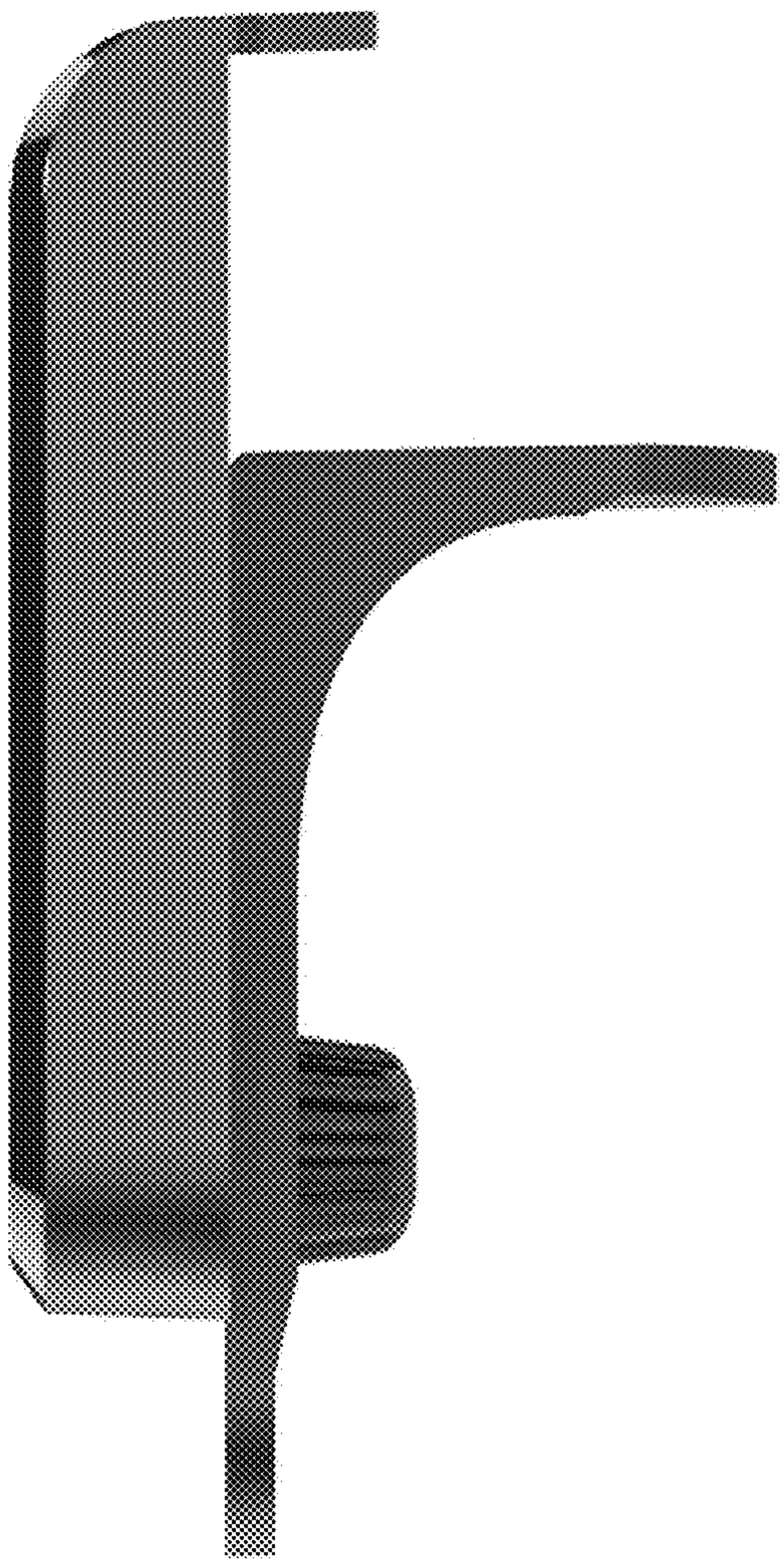


FIG. 3

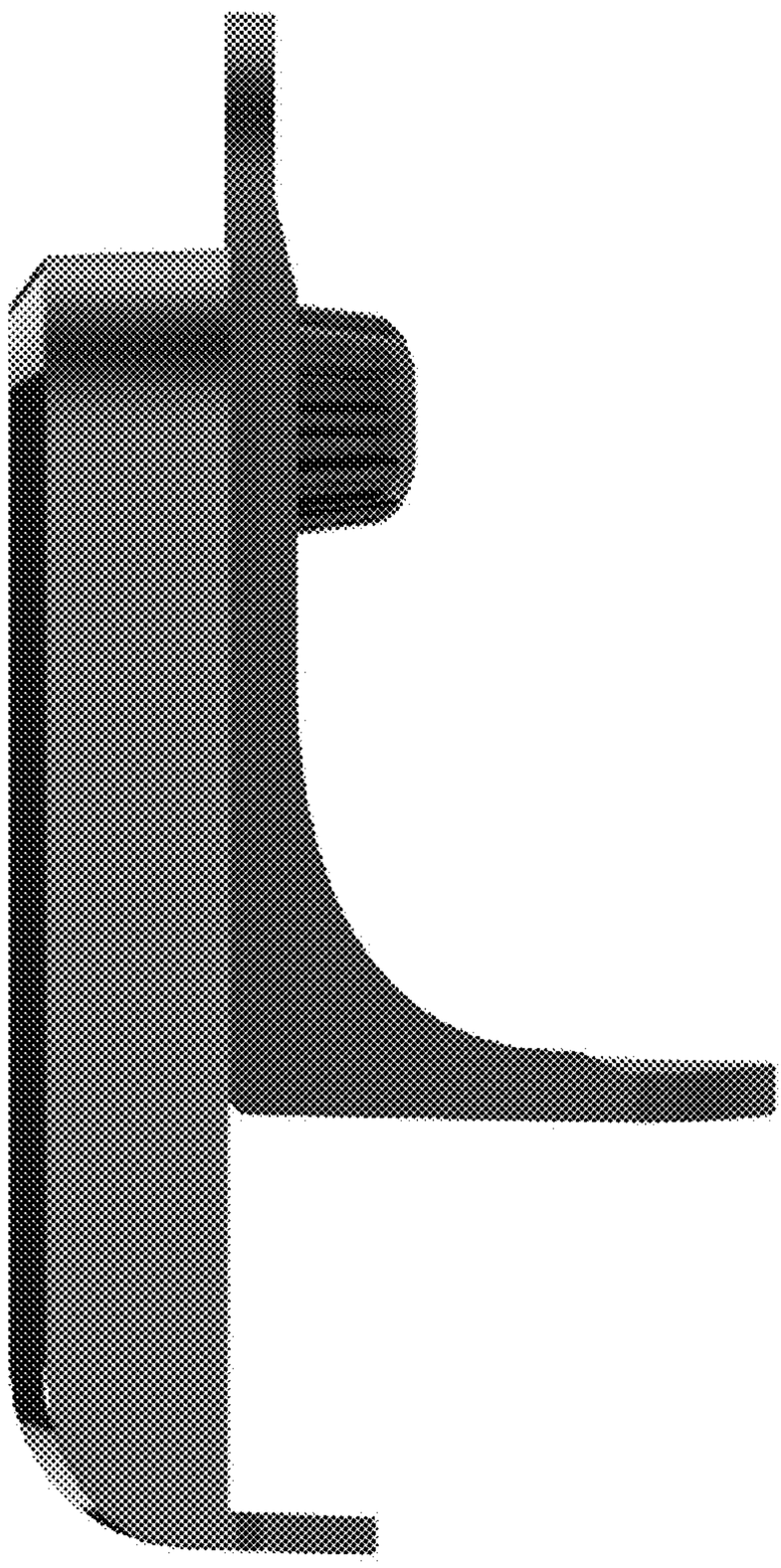


FIG. 4

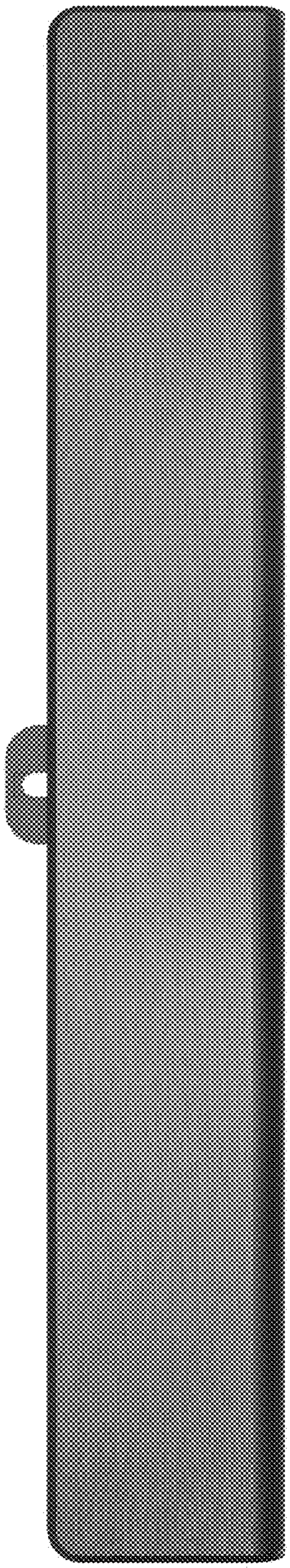


FIG. 5

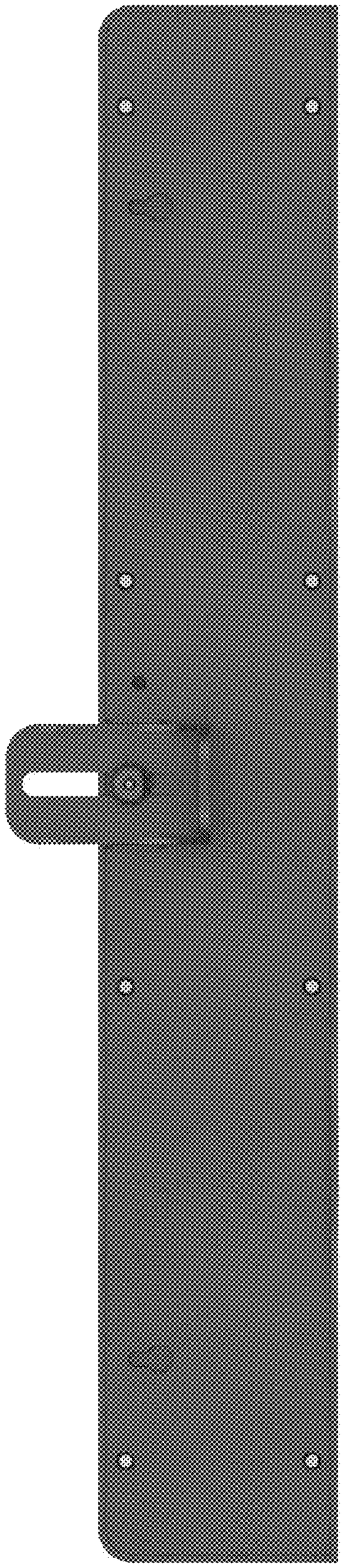


FIG. 6

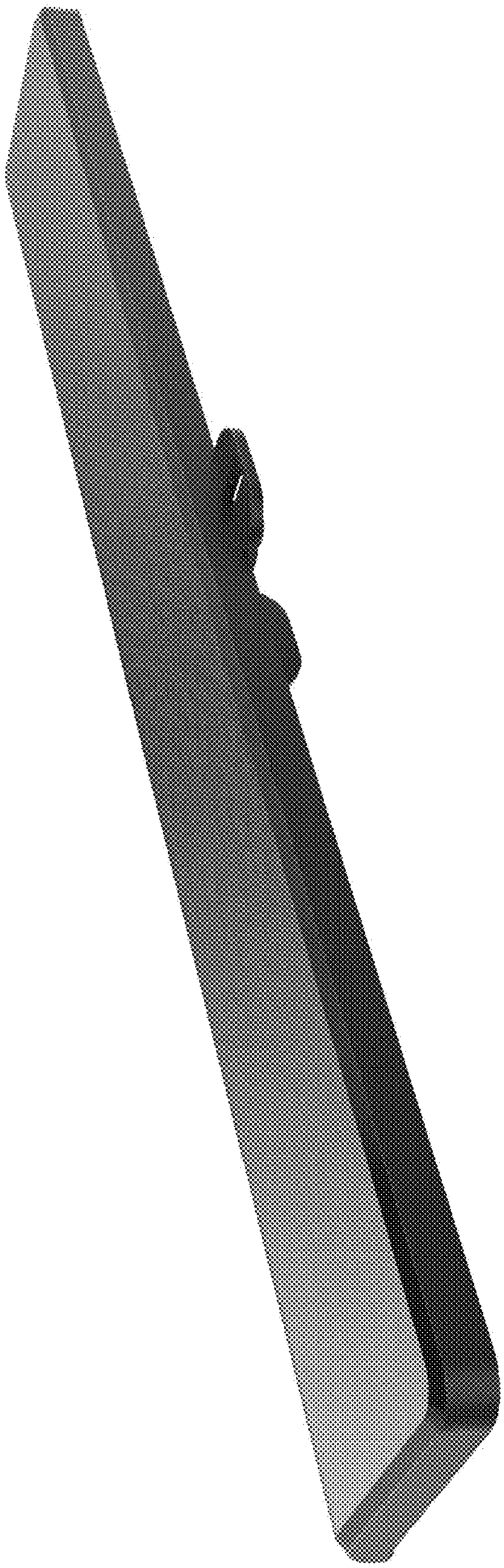


FIG. 7

FIG. 8

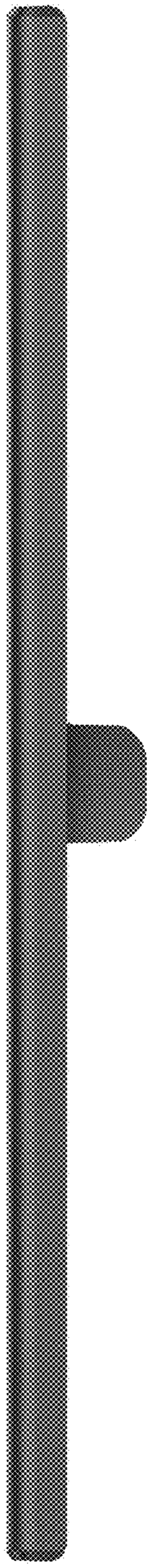


FIG. 9

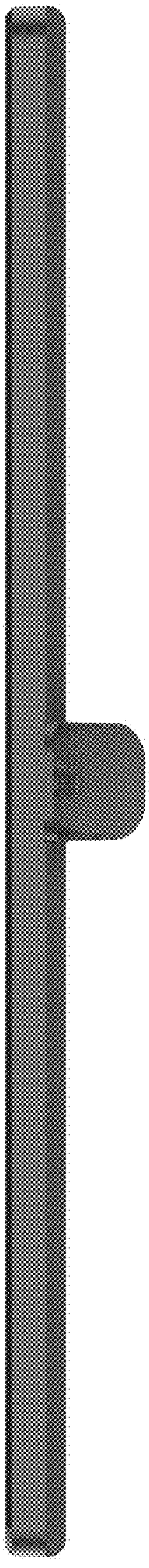


FIG. 10

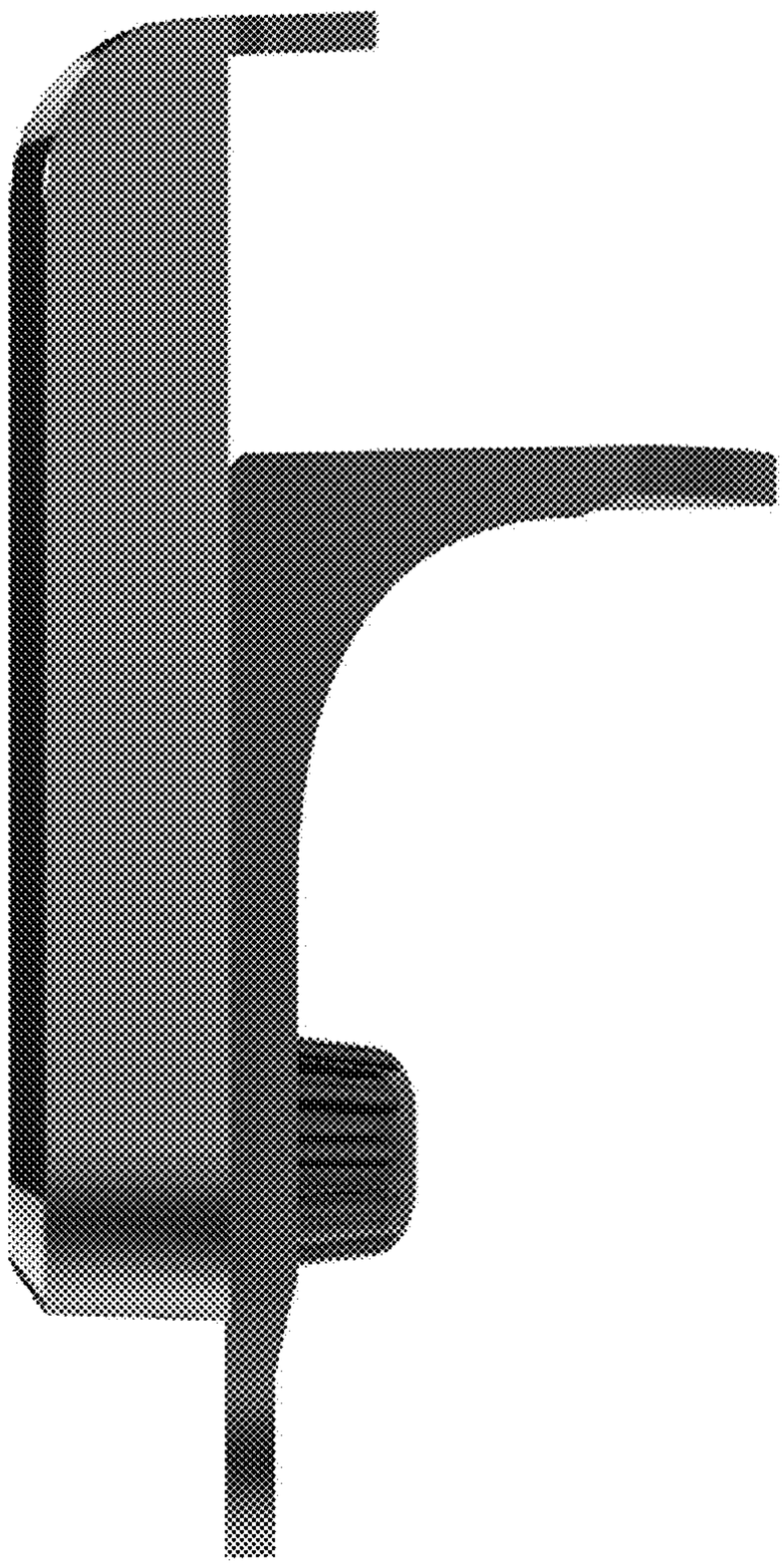


FIG. 11

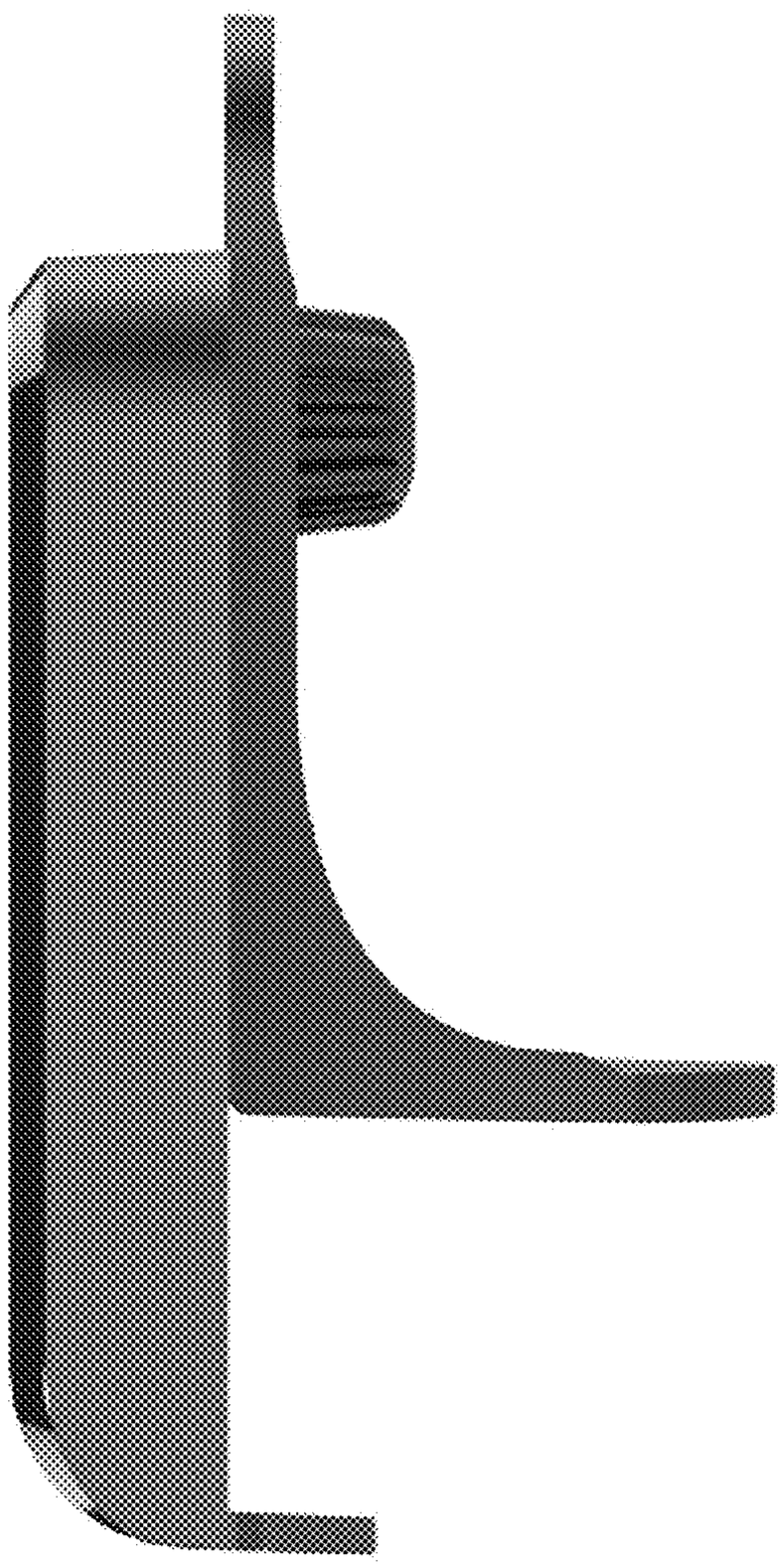


FIG. 12

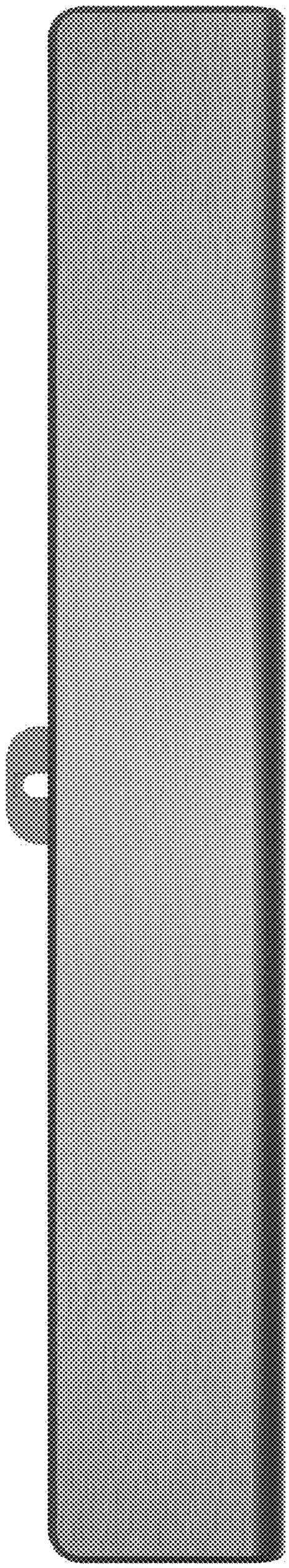


FIG. 13

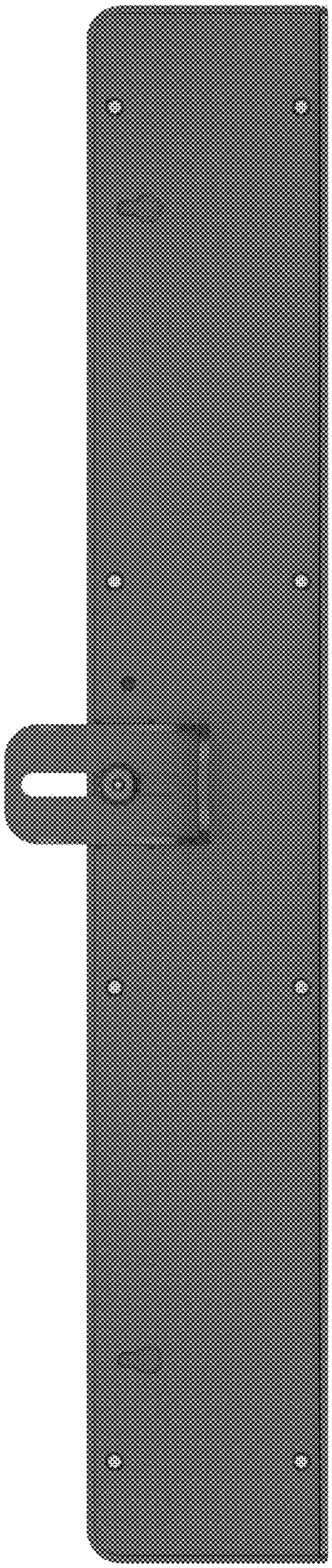


FIG. 14

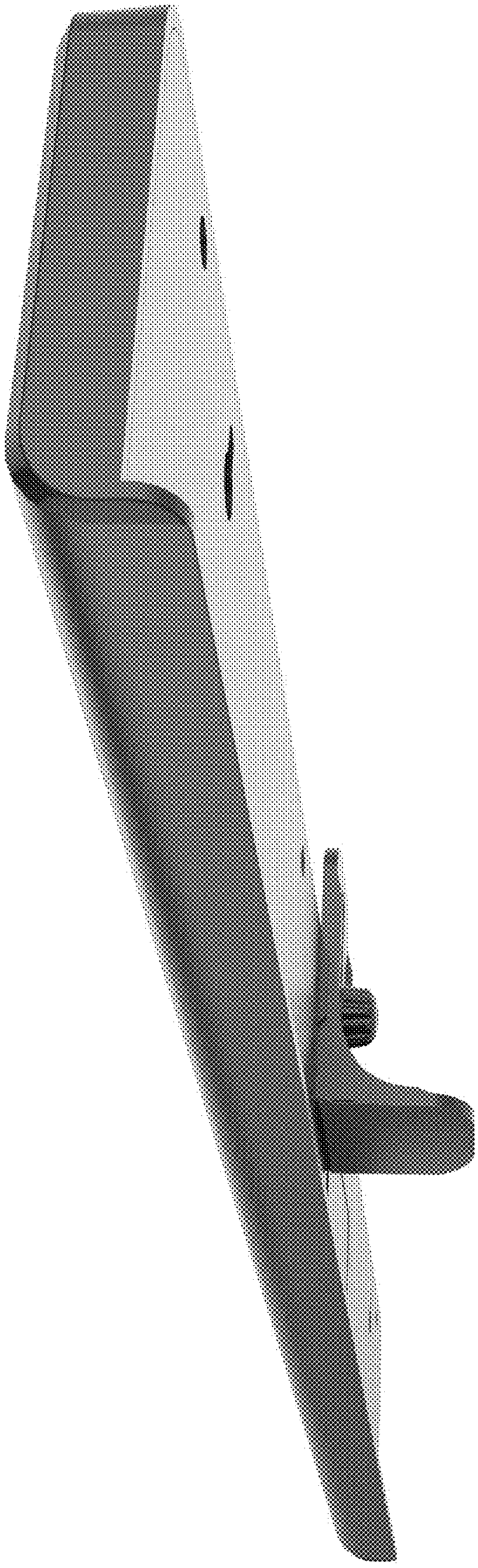


FIG. 15

FIG. 16

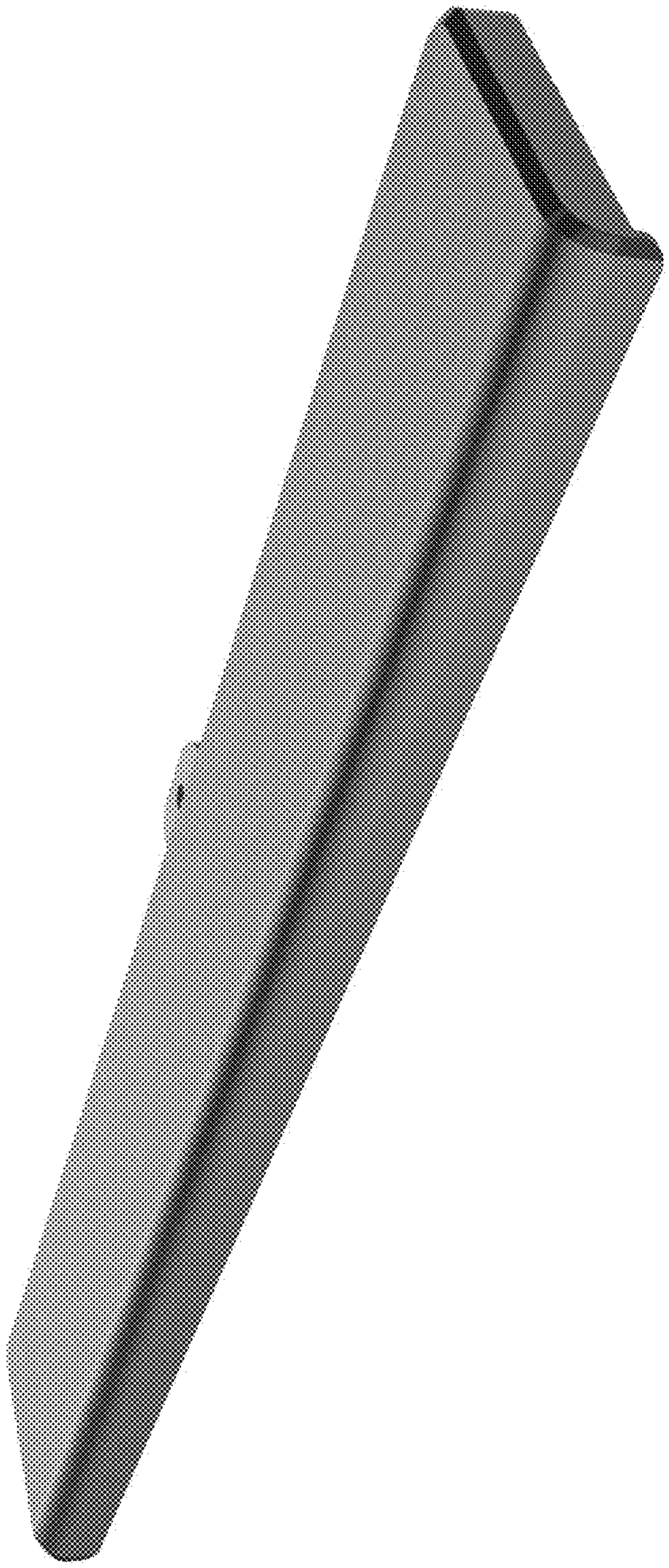


FIG. 17

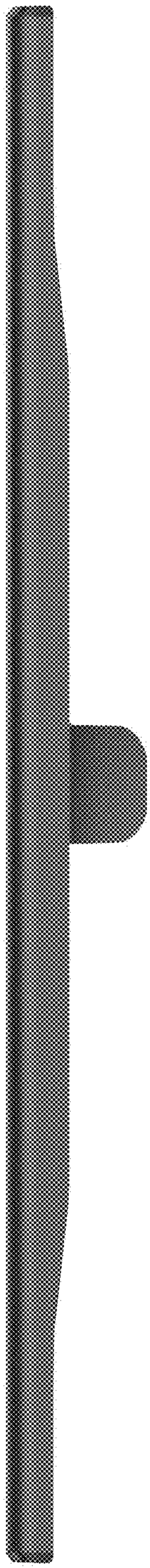


FIG. 18

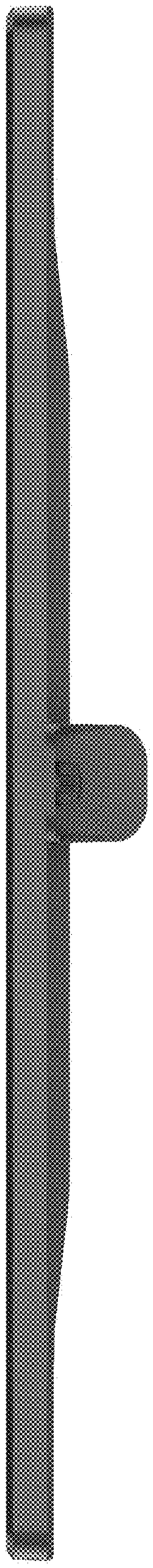


FIG. 19

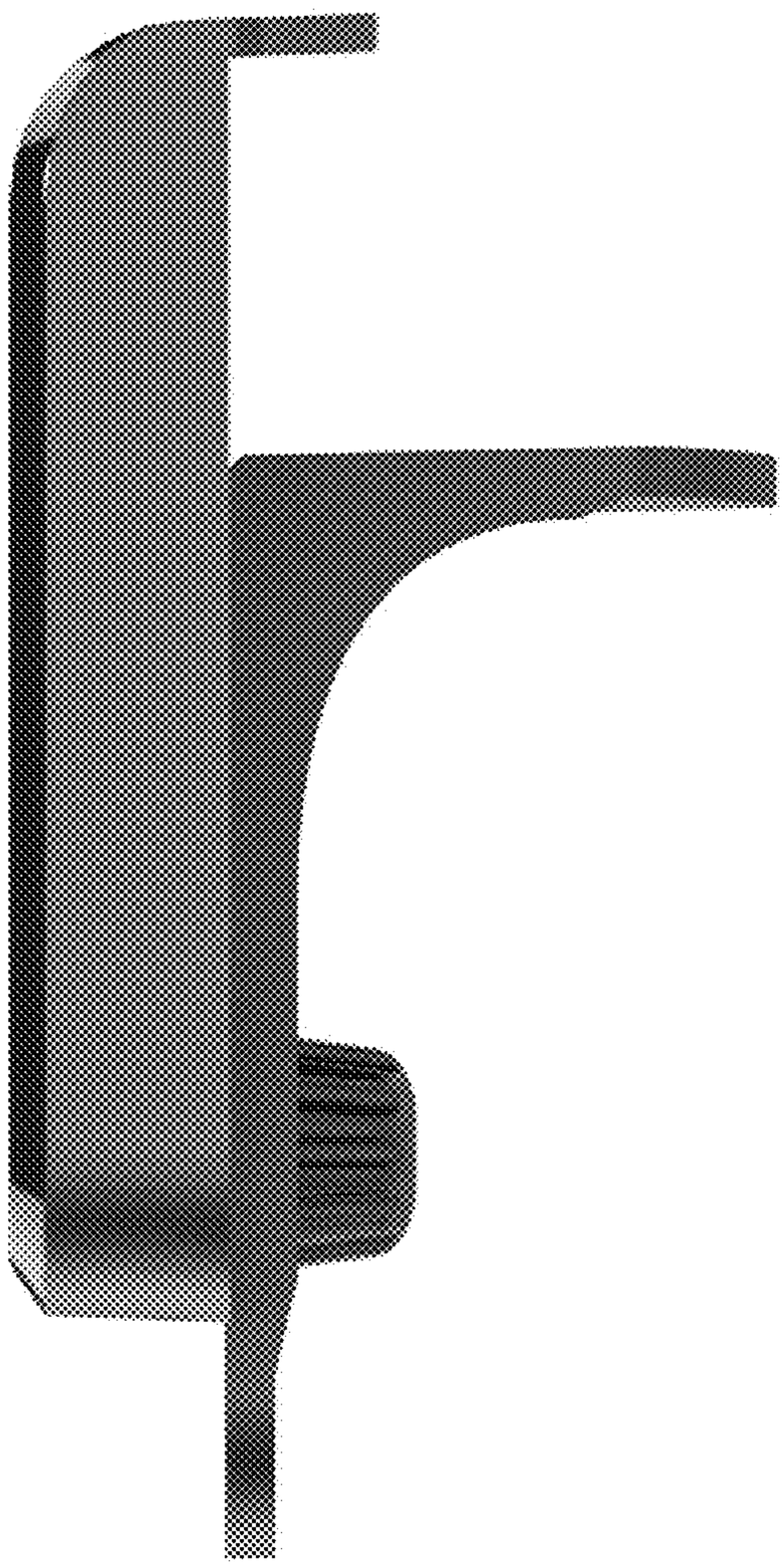


FIG. 20

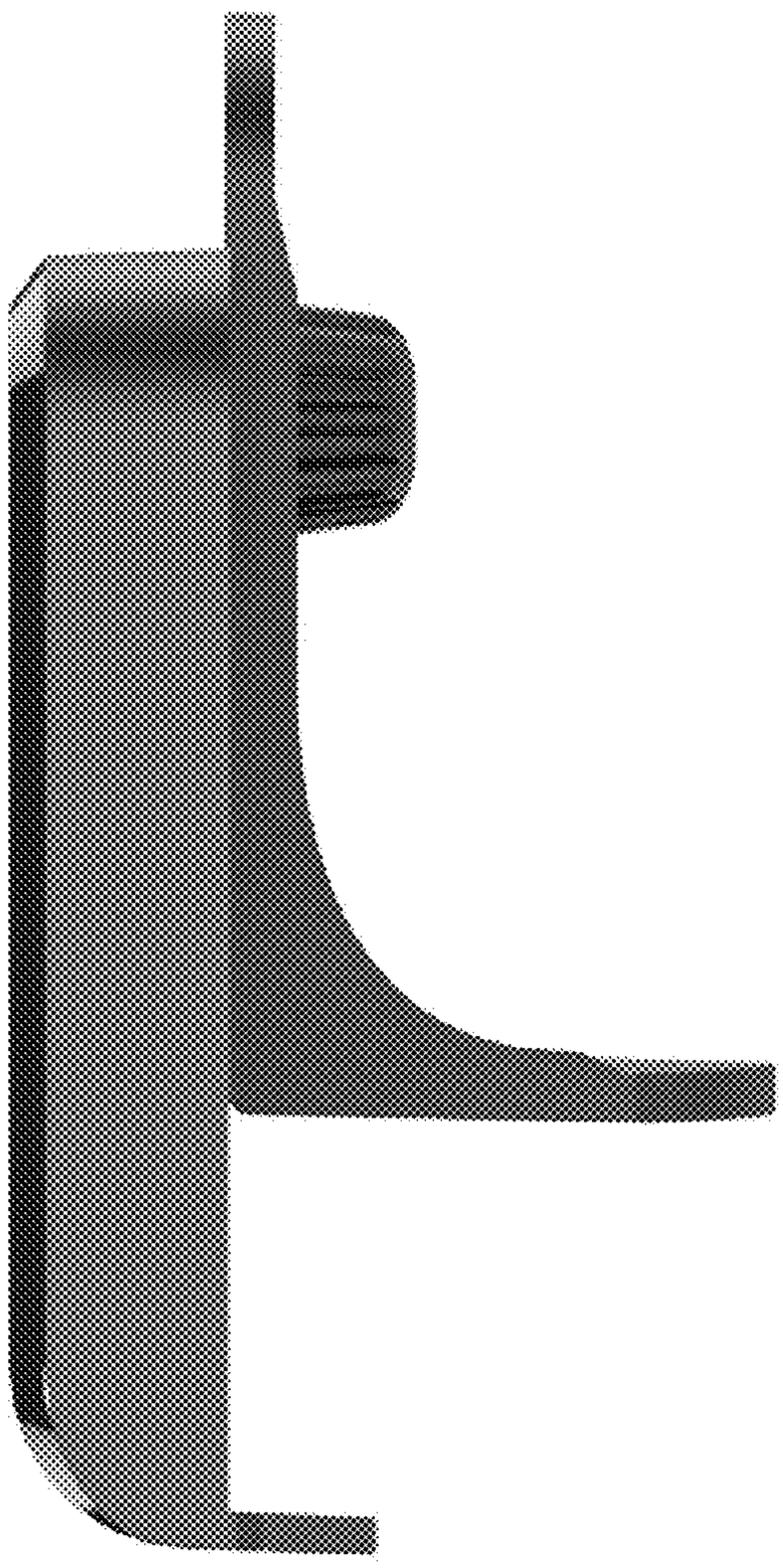


FIG. 21

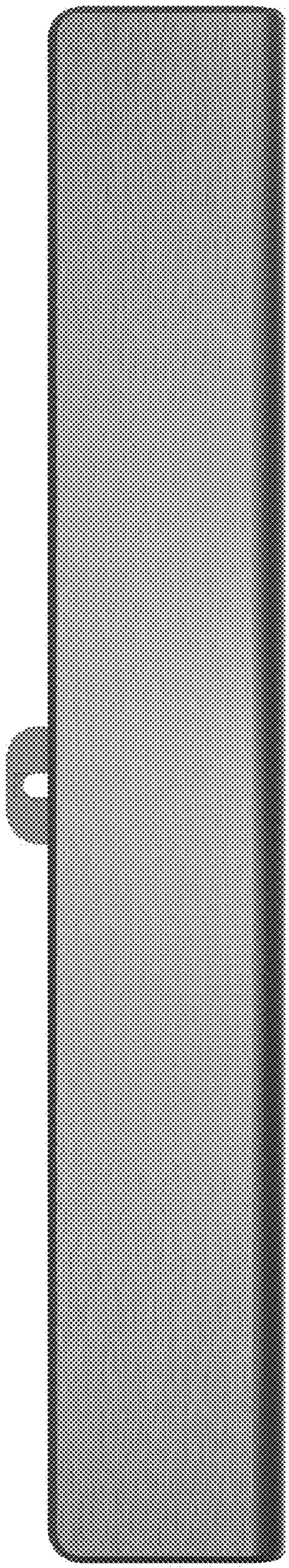


FIG. 22

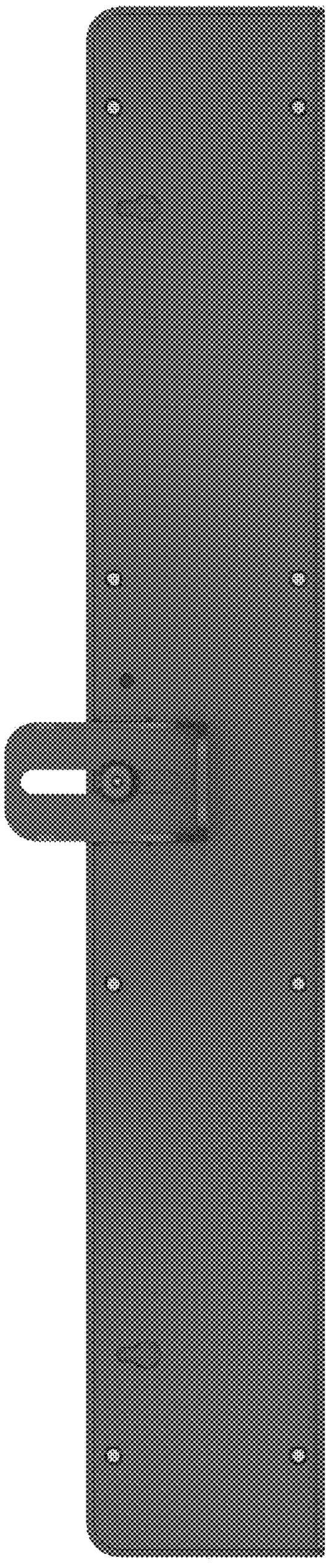


FIG. 23

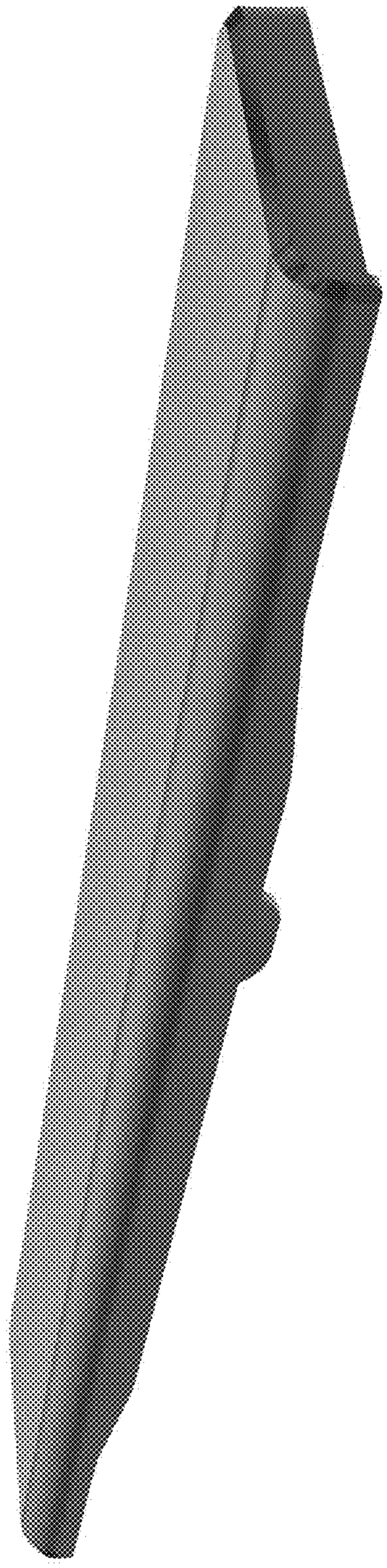


FIG. 24

FIG. 25

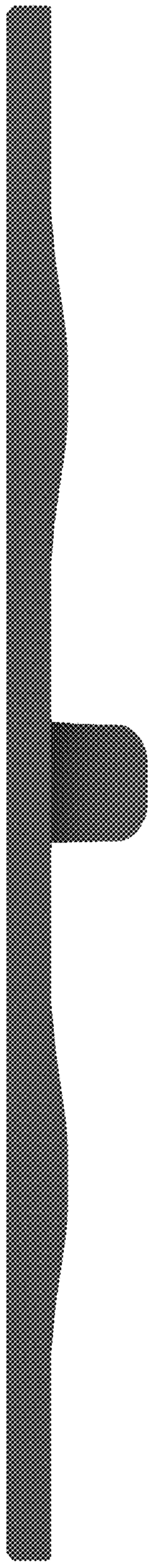


FIG. 26

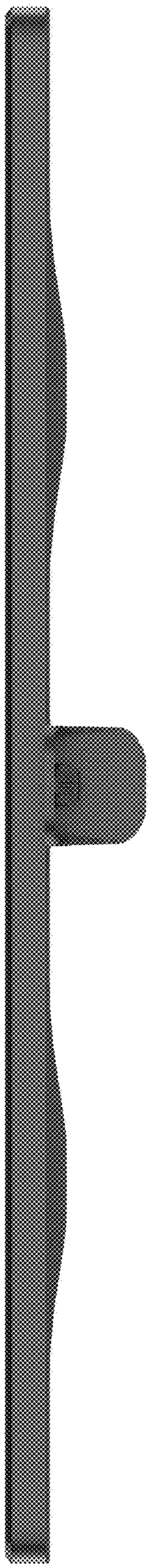
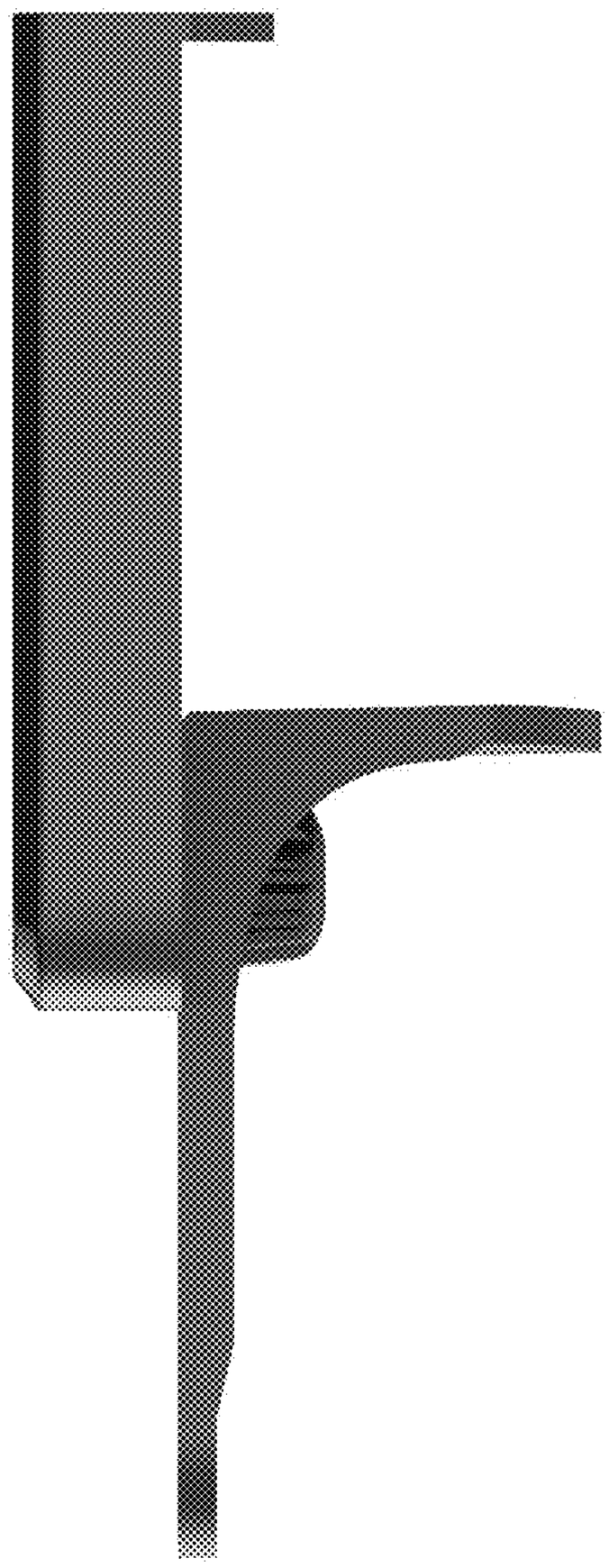


FIG. 27



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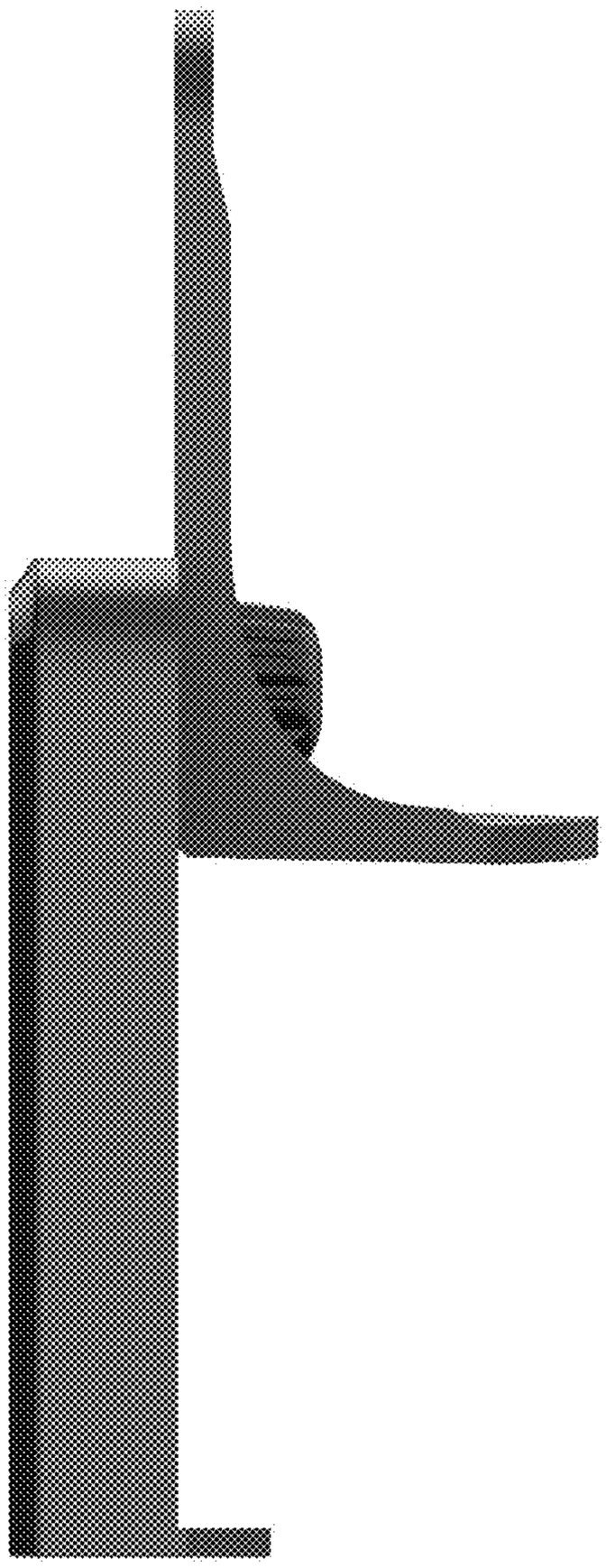

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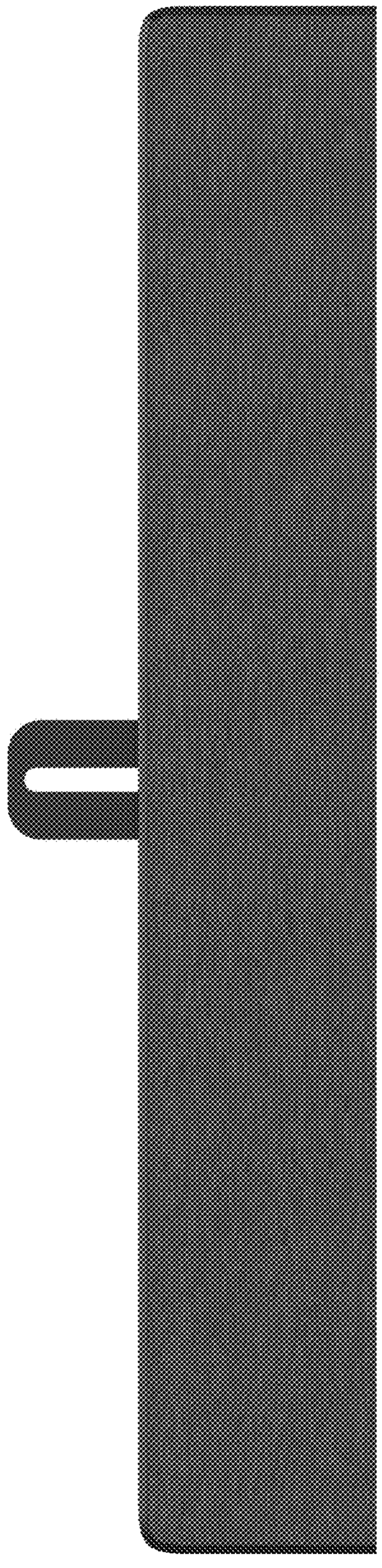

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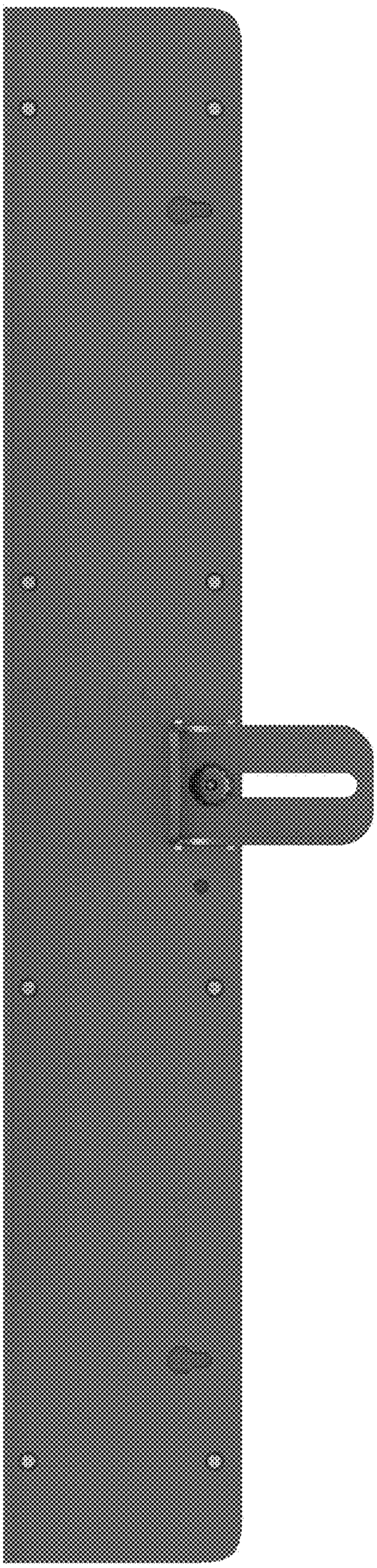

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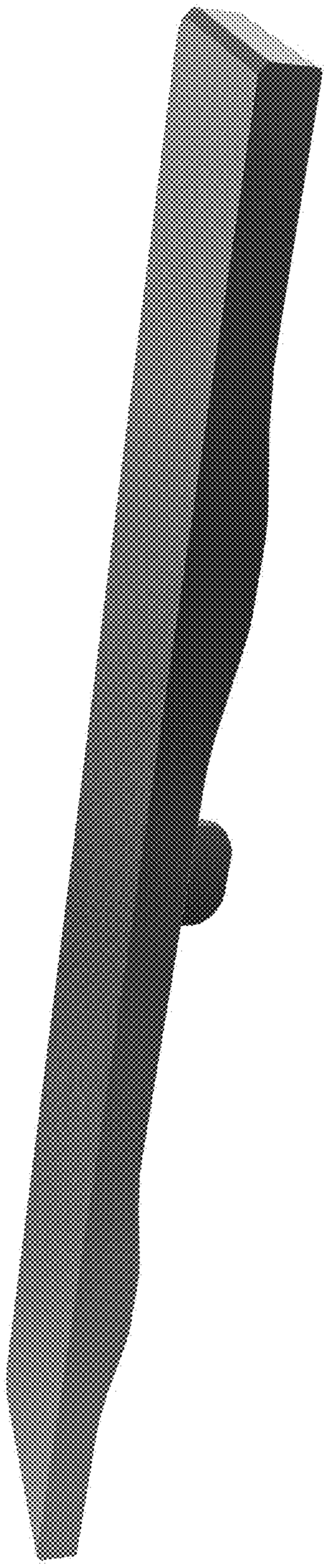

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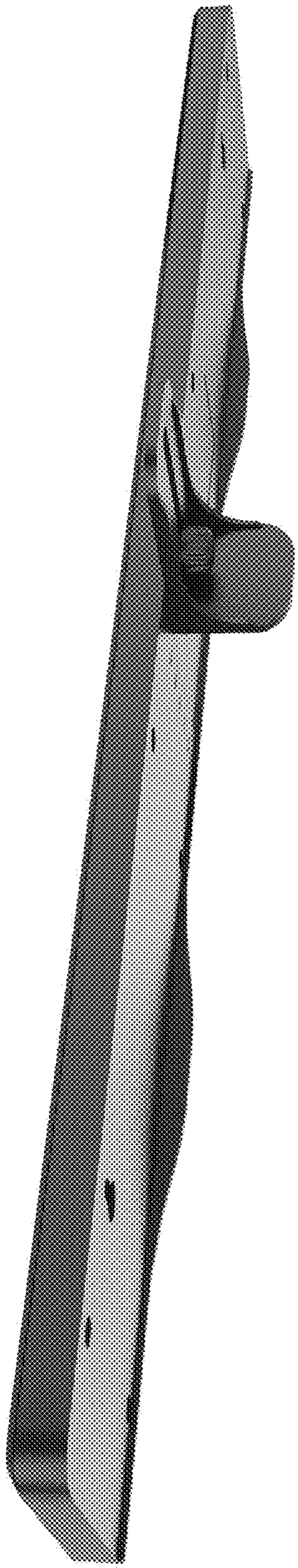
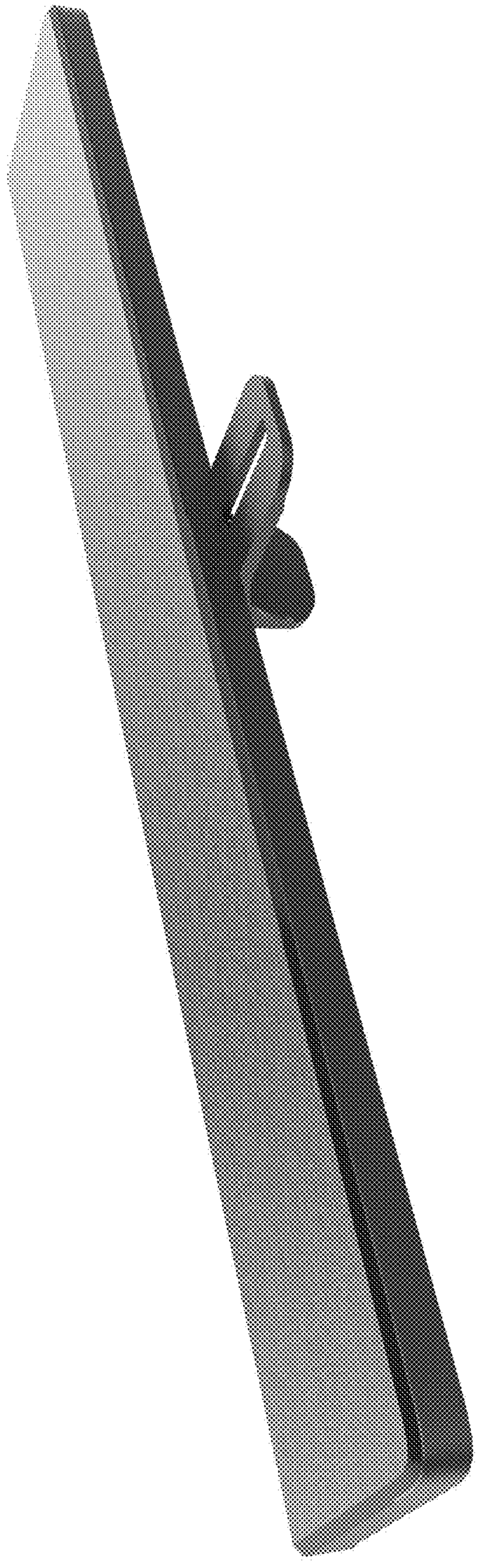


FIG. 33



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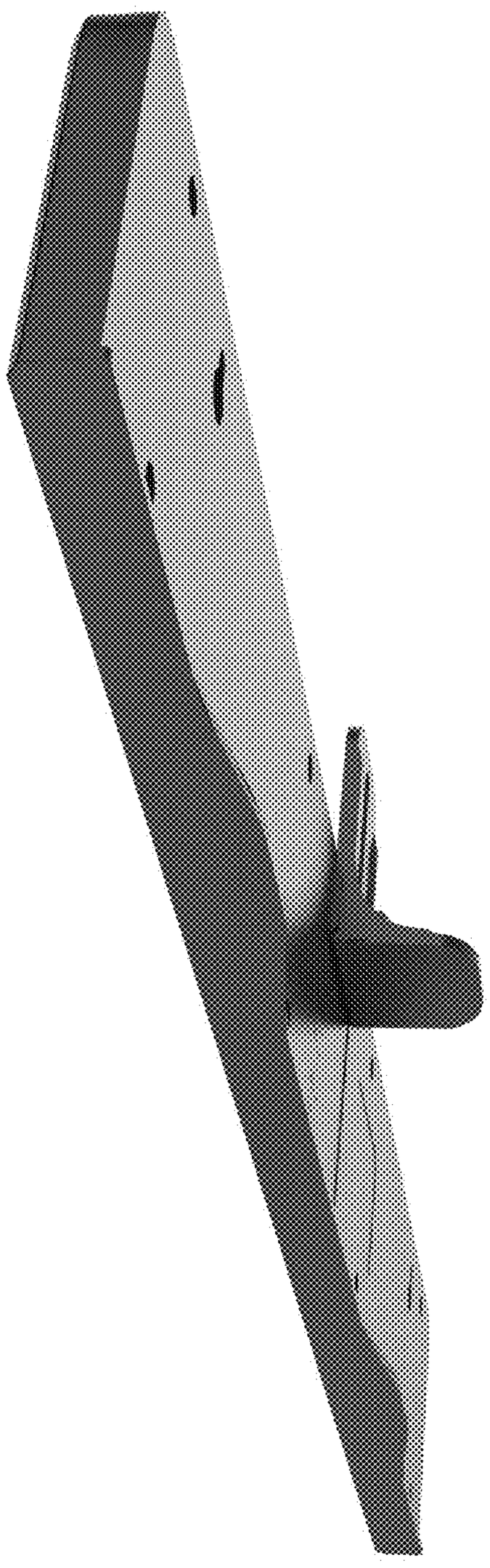

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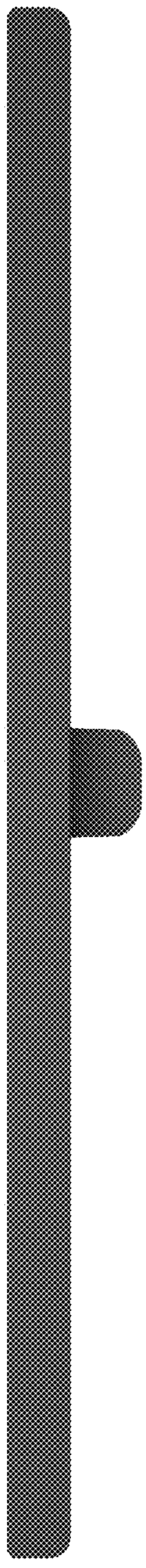

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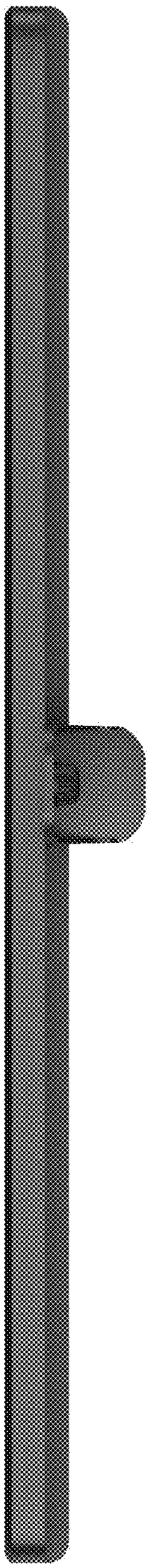

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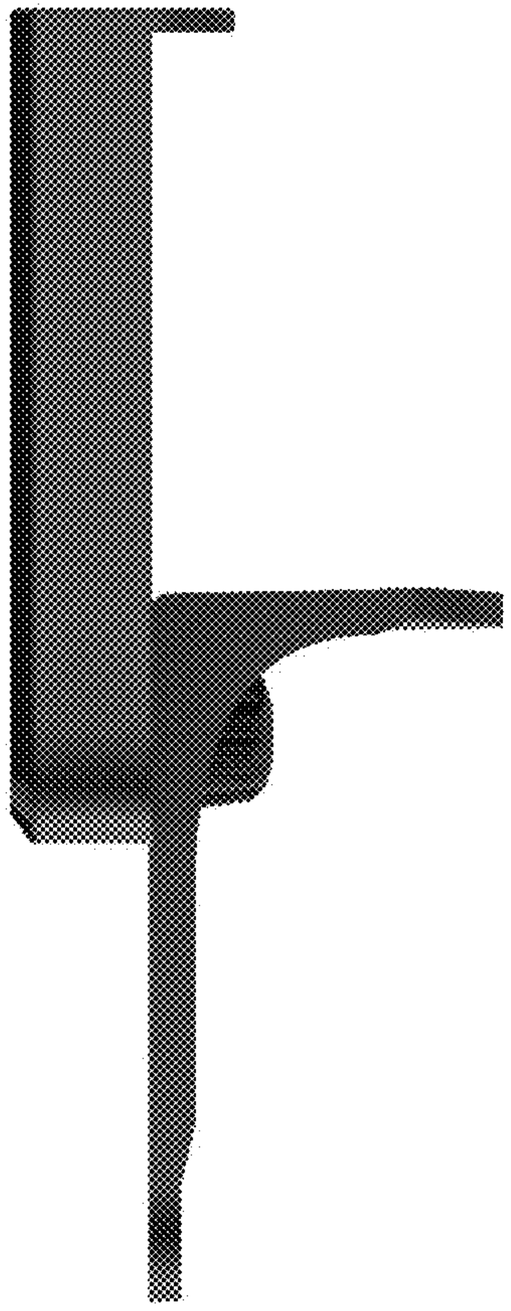

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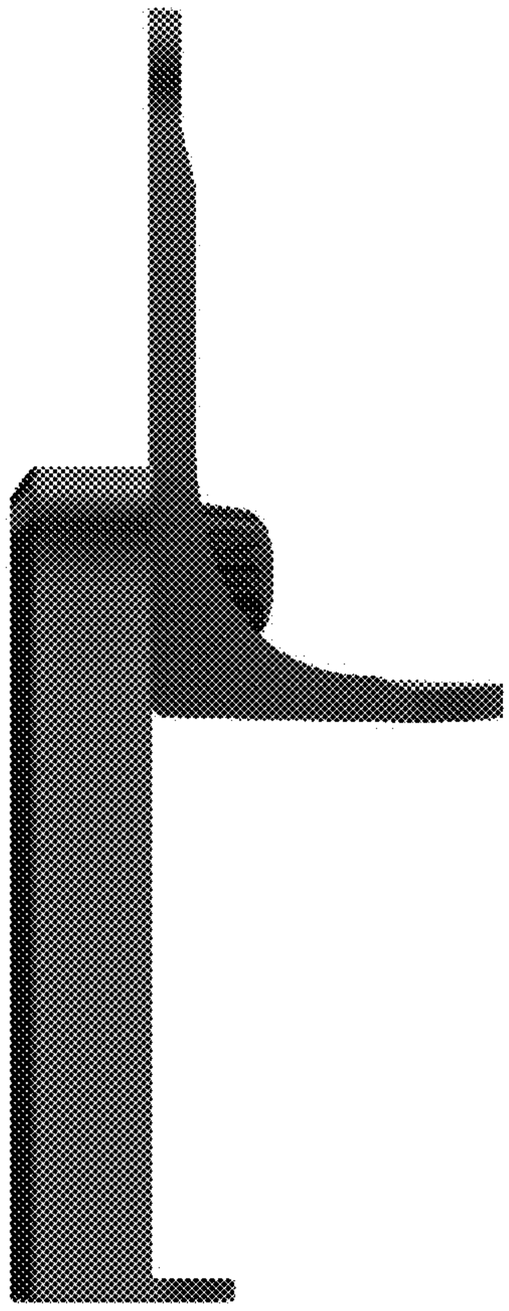

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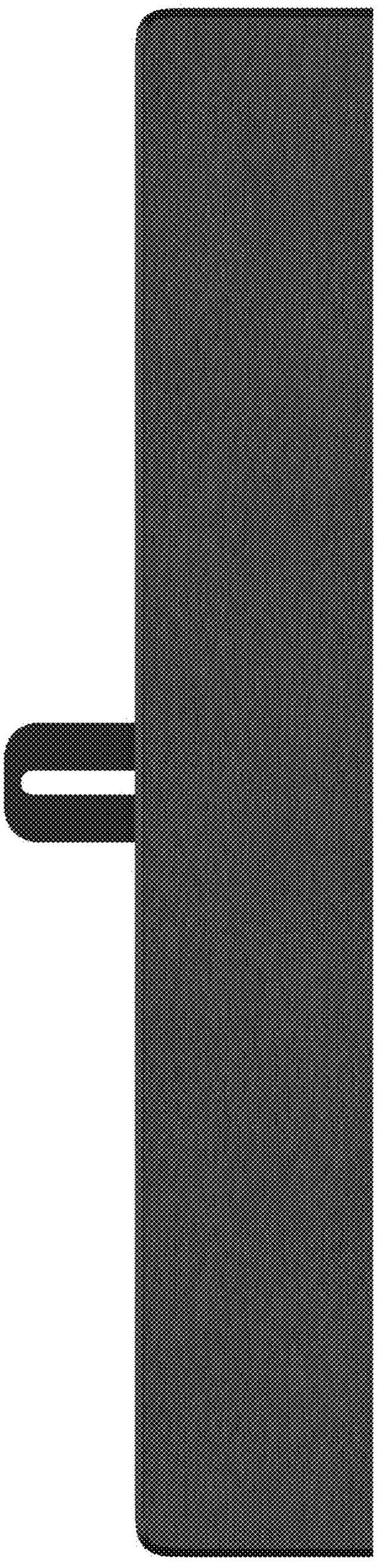

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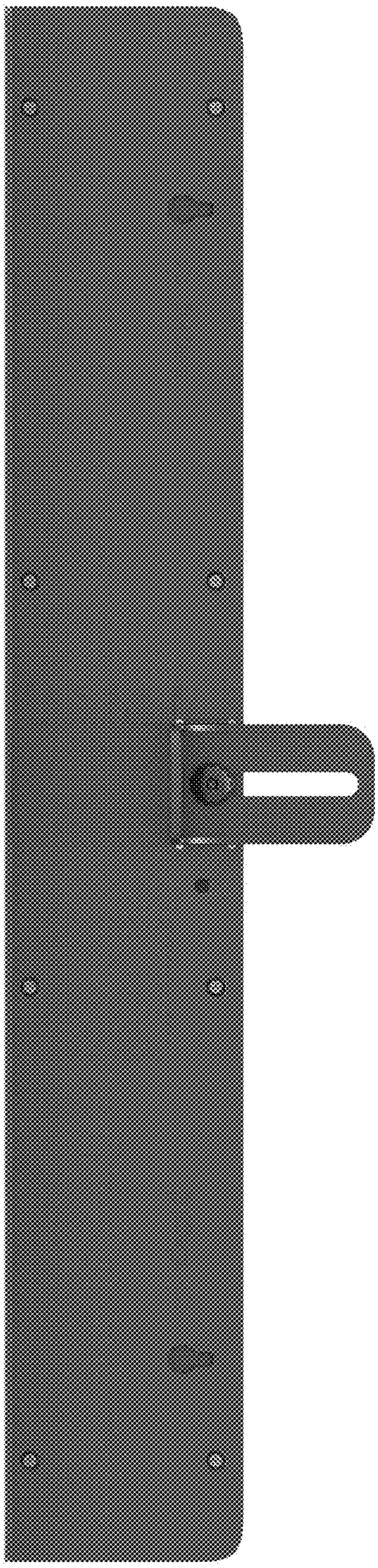

FIG. 41

FIG. 42

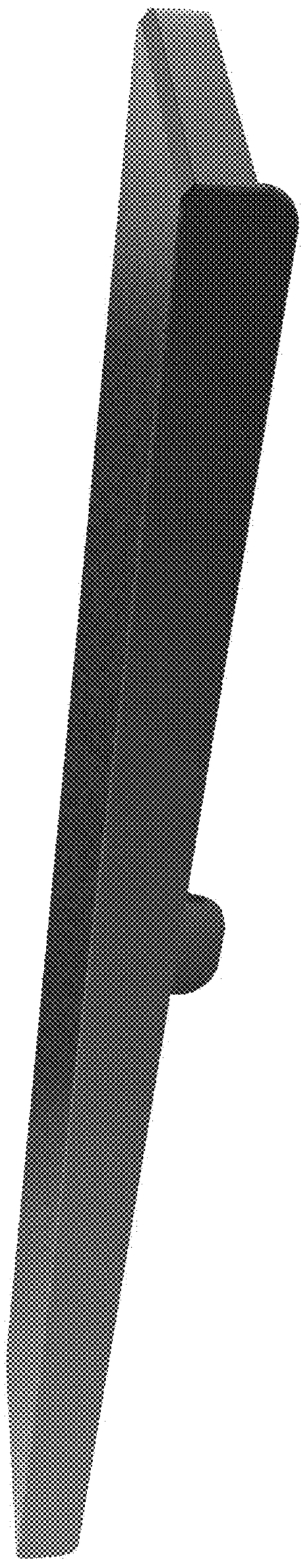

FIG. 43

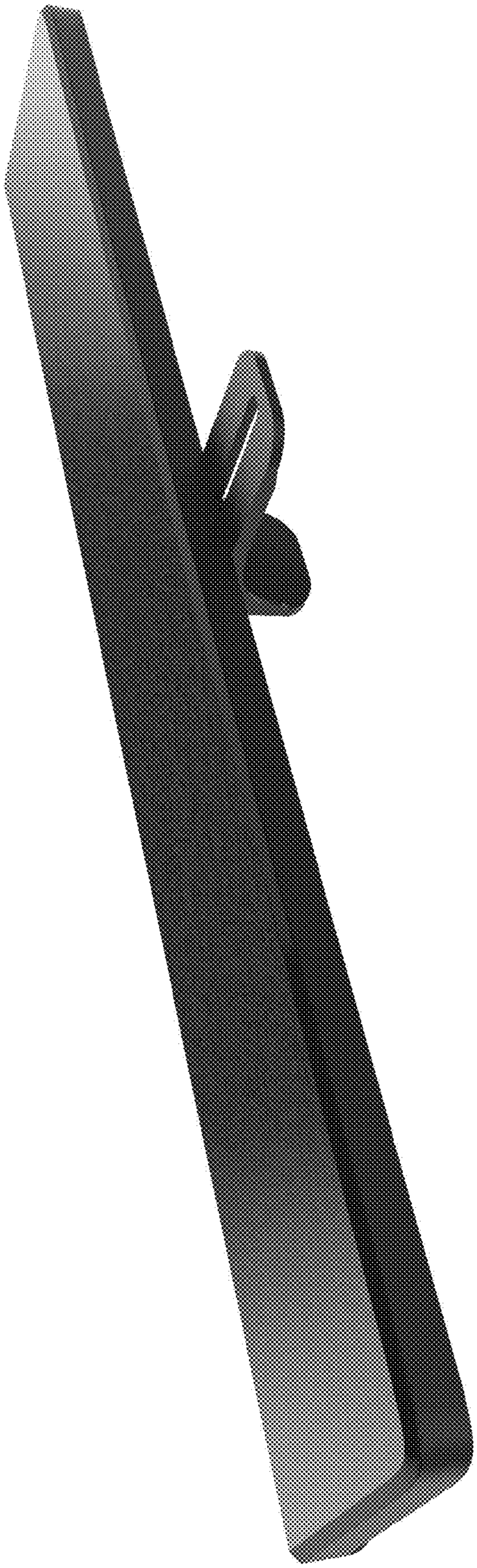

FIG. 44

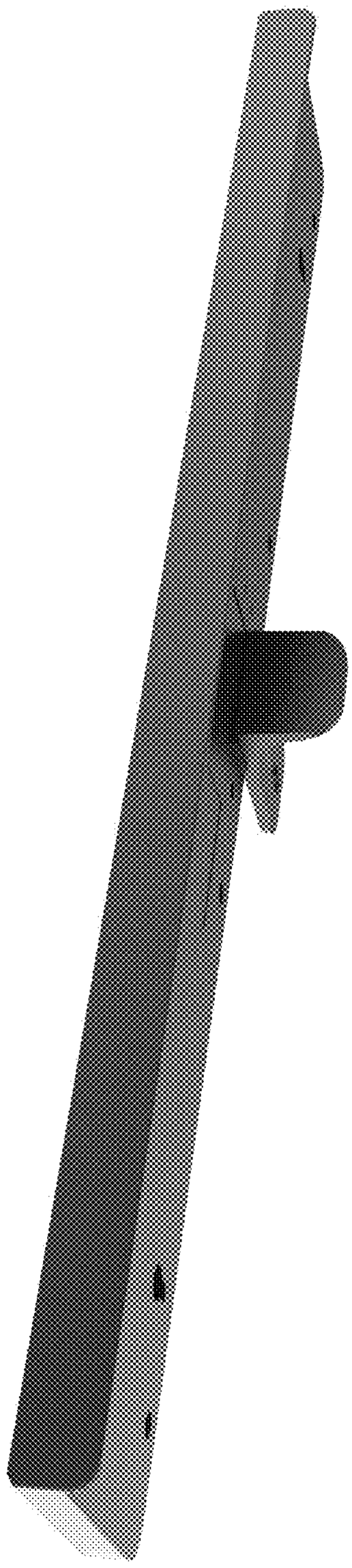

FIG. 45

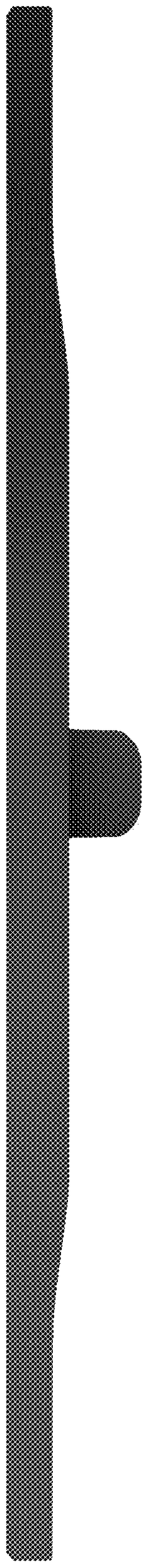

FIG. 46

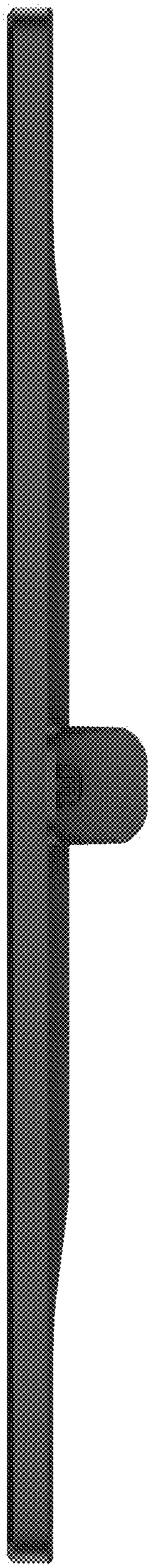

FIG. 47

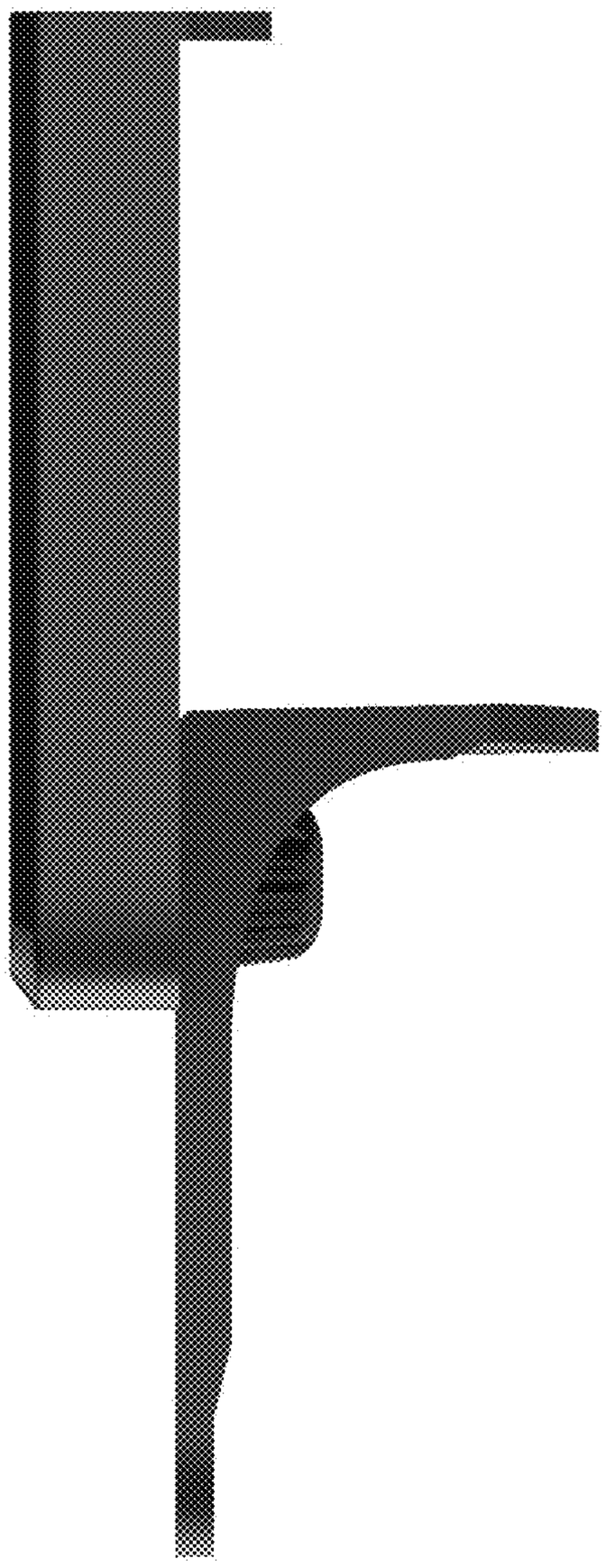

FIG. 48

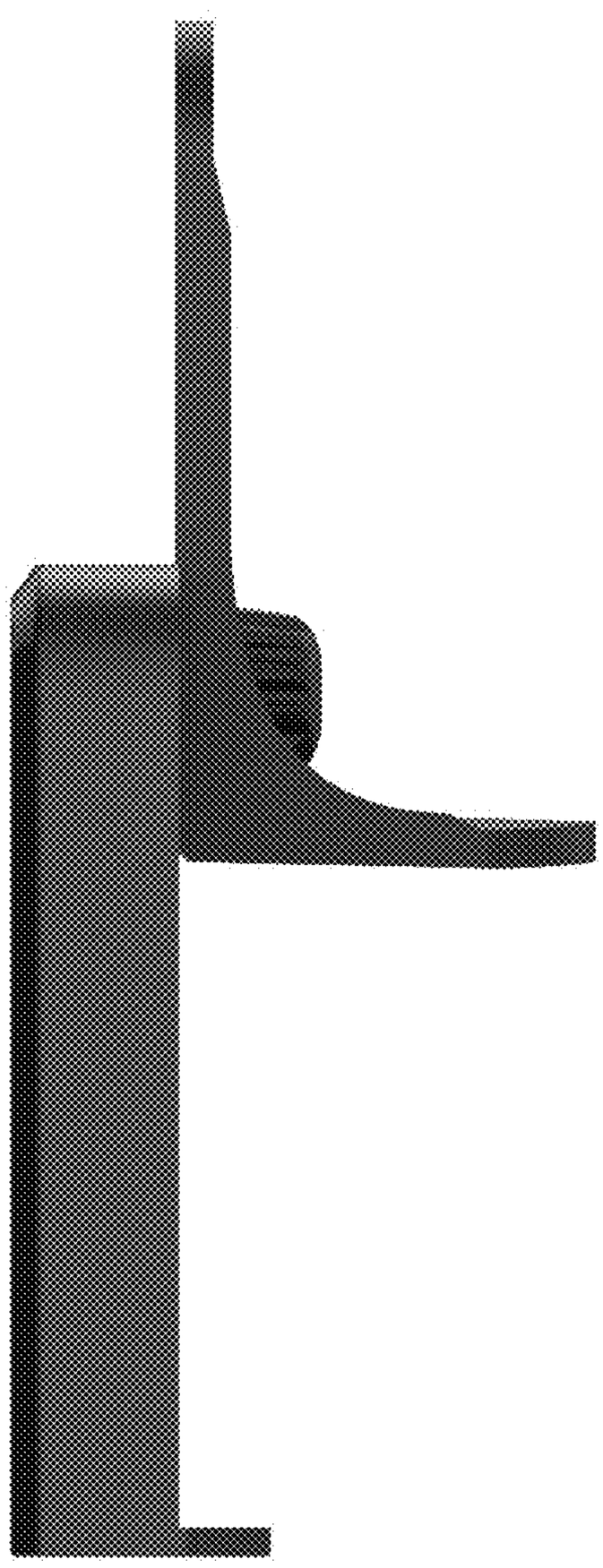

FIG. 49

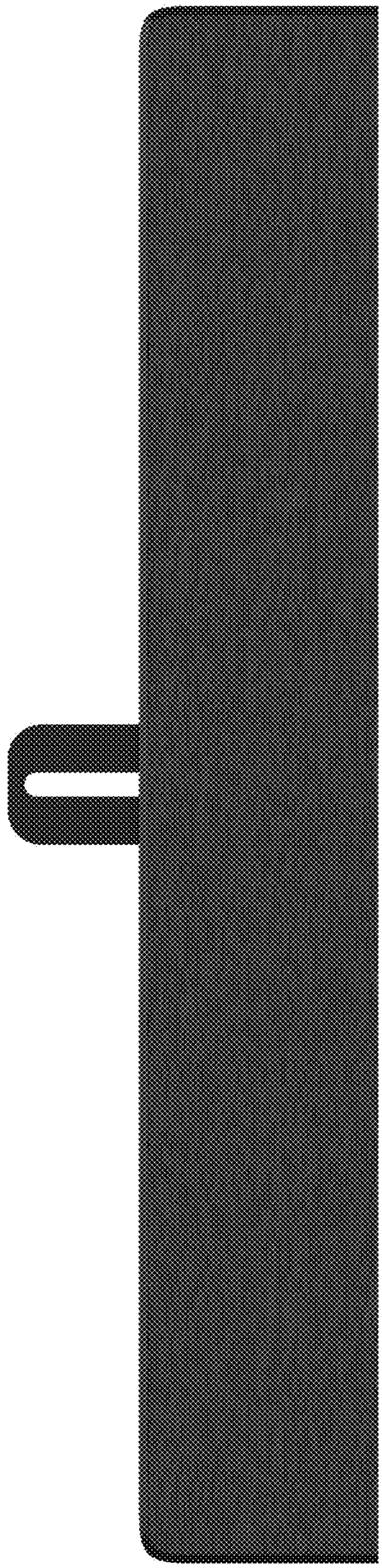

FIG. 50

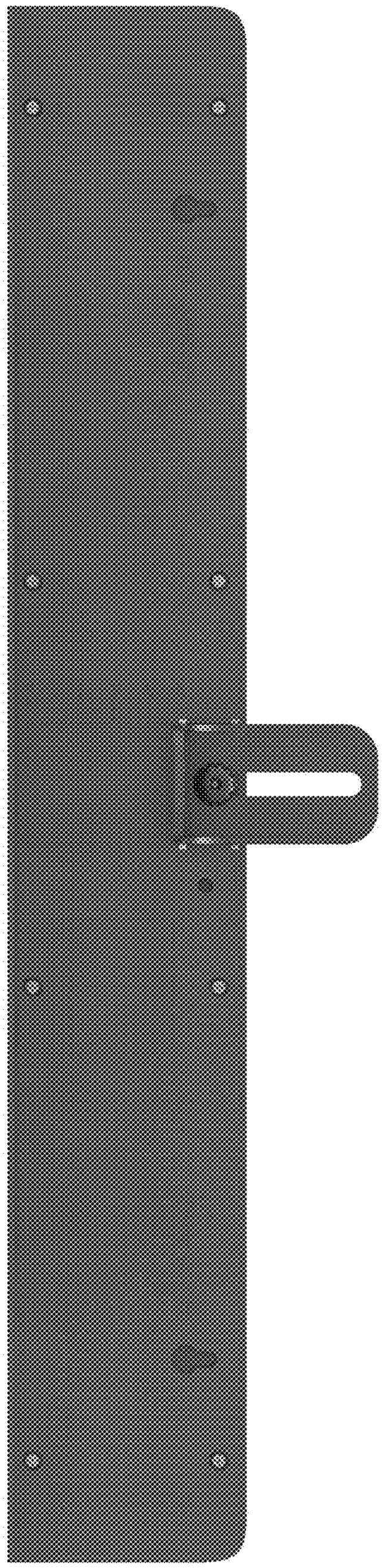

FIG. 51

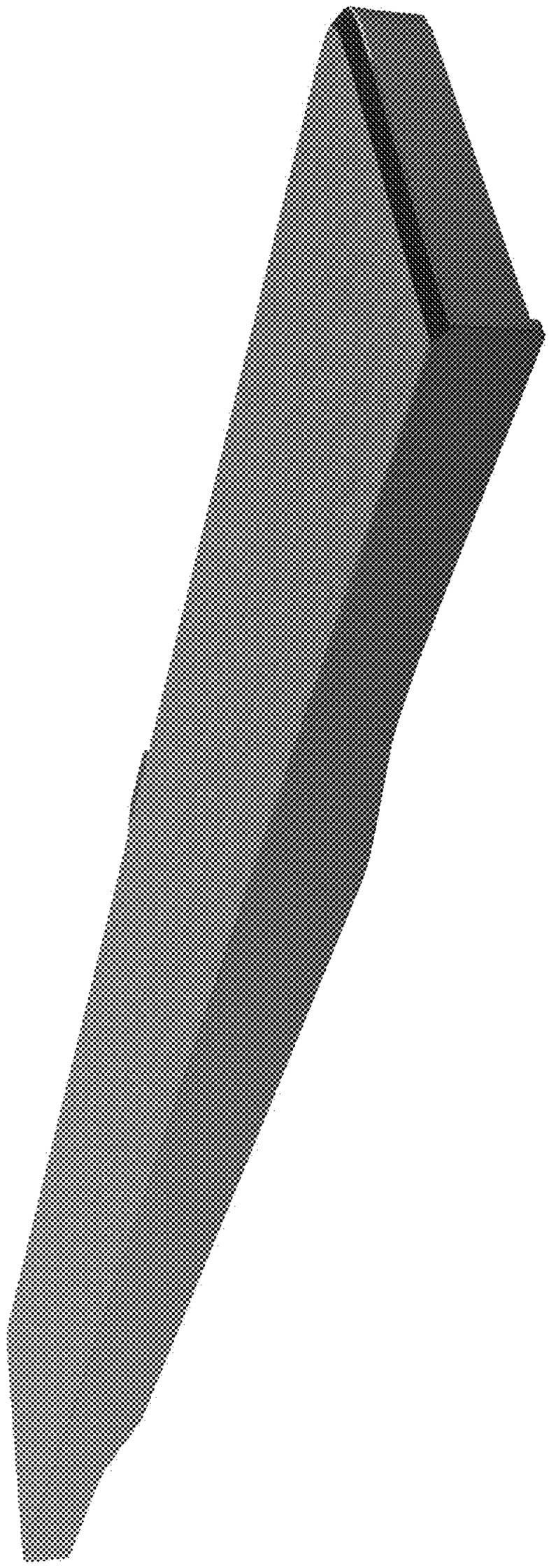

FIG. 52

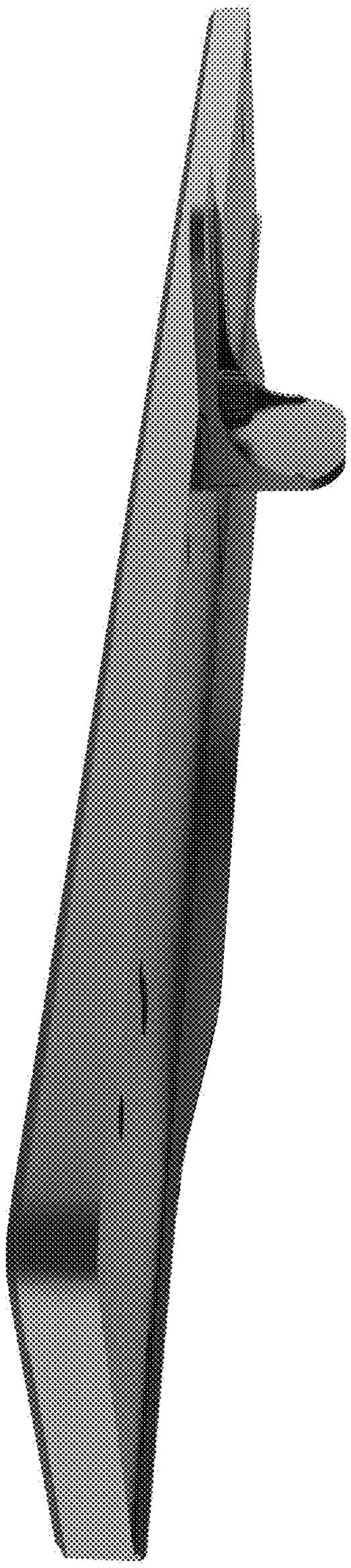

FIG. 53

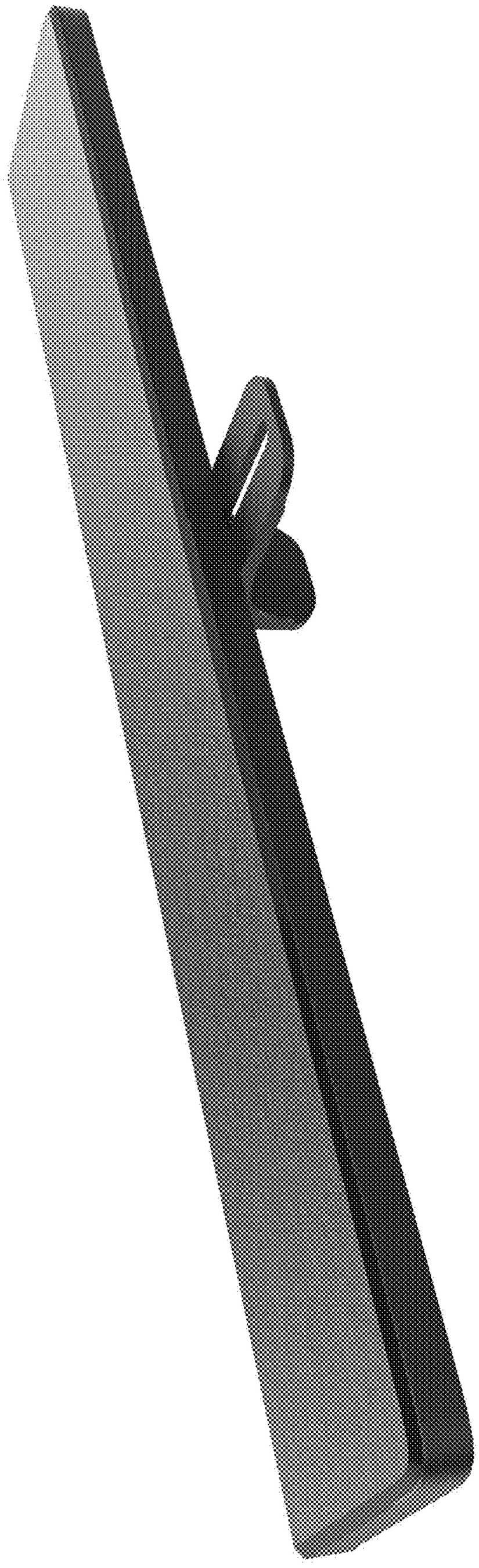

FIG. 54

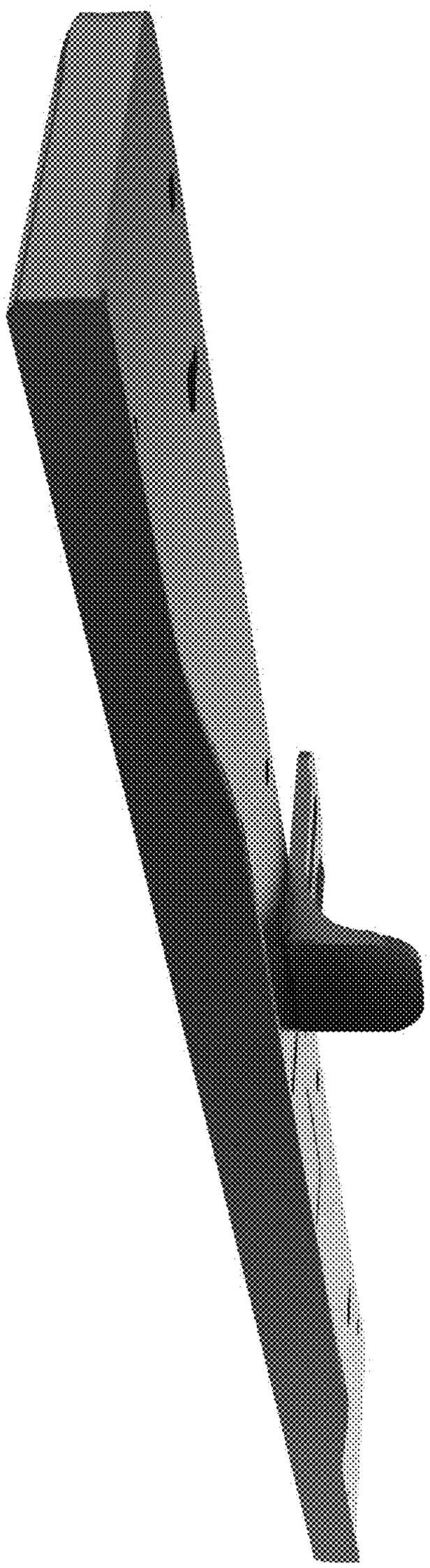

FIG. 55