



US00D938683S

(12) **United States Design Patent** (10) **Patent No.:** **US D938,683 S**
Fuller et al. (45) **Date of Patent:** **** Dec. 14, 2021**

(54) **MOP FRAME CONNECTOR**

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- (**) Term: **15 Years**
- (21) Appl. No.: **29/774,960**
- (22) Filed: **Mar. 19, 2021**

Related U.S. Application Data

- (62) Division of application No. 29/706,141, filed on Sep.
18, 2019, now Pat. No. Des. 915,704.
- (51) **LOC (13) Cl.** **07-05**
- (52) **U.S. Cl.**
USPC **D32/50**
- (58) **Field of Classification Search**
USPC D32/40-43, 45, 50-52; D4/116, 132,
D4/135, 138

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 1,121,008 A 12/1914 Glass
- 1,298,037 A 3/1919 Gooldy

(Continued)

FOREIGN PATENT DOCUMENTS

- KR 301065357.0000 7/2020
- WO D067196-002 * 1/2006

OTHER PUBLICATIONS

QuickConnect Mop Frame, MPS website 2021, site visited Jul. 19,
2021, [https://midwestproductionsupply.com/product/contec-vertiklean-quickconnect-mop-head-frame-html/?...*](https://midwestproductionsupply.com/product/contec-vertiklean-quickconnect-mop-head-frame-html/?...)

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Primary Examiner — John R Yeh

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and Pease LLP

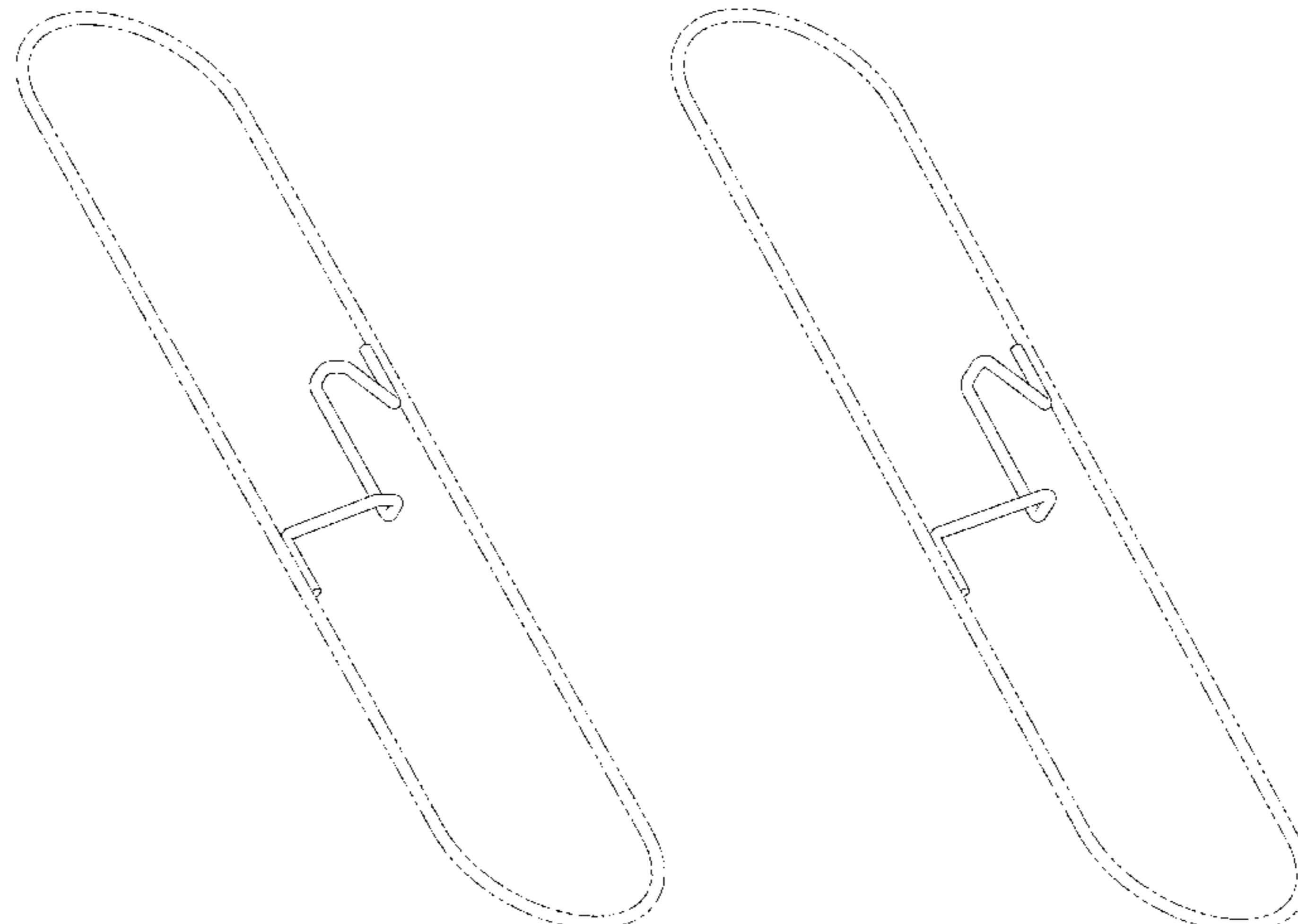
(57) **CLAIM**

The ornamental design for a mop frame connector, as shown
and described.

DESCRIPTION

FIG. 1 is a perspective view for a new design for a mop
frame connector with mop frame;
FIG. 2 is a rear elevational view thereof;
FIG. 3 is a left side elevational view thereof;
FIG. 4 is a top plan view thereof;
FIG. 5 is a right side elevational view thereof;
FIG. 6 is a front elevational view thereof;
FIG. 7 is a bottom plan view thereof; and
FIG. 8 is another perspective view thereof.
FIG. 9 is a perspective view for a new design for a mop
frame connector with mop frame;
FIG. 10 is a rear elevational view thereof;
FIG. 11 is a left side elevational view thereof;
FIG. 12 is a top plan view thereof;
FIG. 13 is a right side elevational view thereof;
FIG. 14 is a front elevational view thereof;
FIG. 15 is a bottom plan view thereof; and
FIG. 16 is another perspective view thereof;
FIG. 17 is another perspective view for a new design for a
mop frame connector with mop frame;
FIG. 18 is a rear elevational view thereof;
FIG. 19 is a left side elevational view thereof;
FIG. 20 is a top plan view thereof;
FIG. 21 is a right side elevational view thereof;
FIG. 22 is a front elevational view thereof;
FIG. 23 is a bottom plan view thereof; and,
FIG. 24 is another perspective view thereof.

(Continued)



The broken lines depict environment of the mop frame connector that form no part of the claimed design.

1 Claim, 6 Drawing Sheets

(58) Field of Classification Search

CPC A47L 13/146; A47L 13/16; A47L 13/20
See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

1,414,036	A	4/1922	Meinhardt	
1,467,086	A	9/1923	Blomstrom	
1,489,919	A	4/1924	Bronson	
1,551,289	A	8/1925	Dohnal	
1,588,208	A	6/1926	Sturgis	
1,588,264	A	6/1926	Prendergast	
1,989,978	A	2/1935	Gradinger	
2,261,449	A	11/1941	Petty	
2,269,809	A	1/1942	Chandler	
2,327,551	A	8/1943	Petty	
2,846,707	A	8/1958	Strand et al.	
3,234,616	A *	2/1966	Wantland	E04B 9/22 24/543
D206,933	S	2/1967	Gibbs	

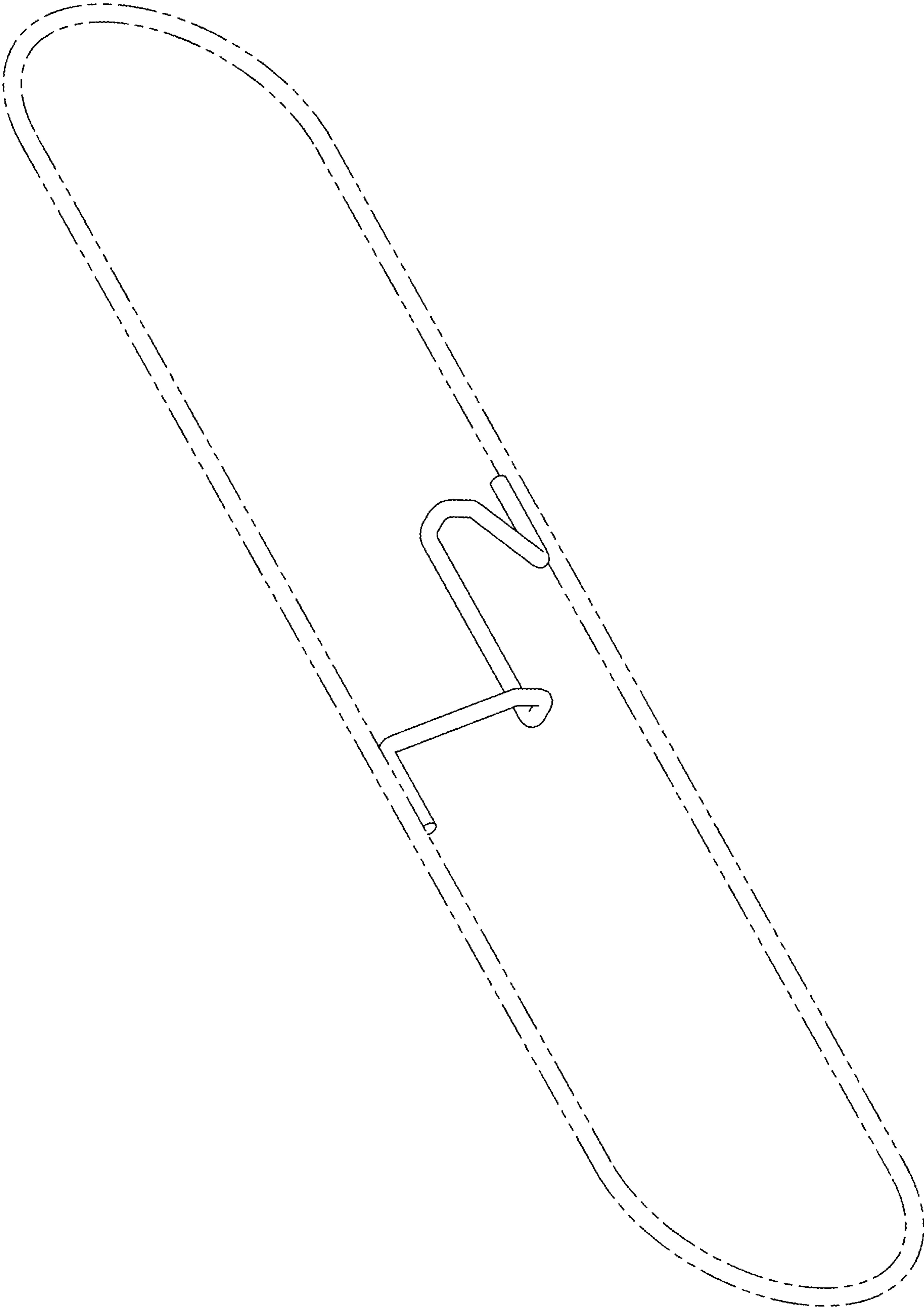
D233,400	S	10/1974	North	
D299,386	S	1/1989	Melissa	
D425,679	S *	5/2000	Long	D32/40
D433,930	S	11/2000	Kalat	
D434,310	S	11/2000	Kalat	
D438,782	S	3/2001	Kalat	
6,237,182	B1	5/2001	Cassar	
D457,931	S	5/2002	Kalat	
D533,356	S *	12/2006	Van Landingham, Jr.	D4/199
D552,980	S	10/2007	Svedberg	
D553,318	S *	10/2007	Fuller	D32/52
D629,983	S	12/2010	Sgroi, Jr. et al.	
D699,556	S	2/2014	Hendricks	
D727,713	S *	4/2015	Greene	D8/331
D819,907	S *	6/2018	Fair	A47L 13/258 D32/50
D867,122	S *	11/2019	Jimenez	D8/395
D915,704	S *	4/2021	Fuller	D32/50
2001/0029640	A1	10/2001	Cassar	

OTHER PUBLICATIONS

Amazon Commercial Dust Mop Frame, Amazon reviews 2020,
https://www.amazon.com/AmazonCommercial-Dust-Mop-Frame-24-Inch/dp/B07V7HPF4F/ref=cm_cr_arp_d_product_top?ie=UTF8, site visited Nov. 19, 2020.

* cited by examiner

FIG. 1



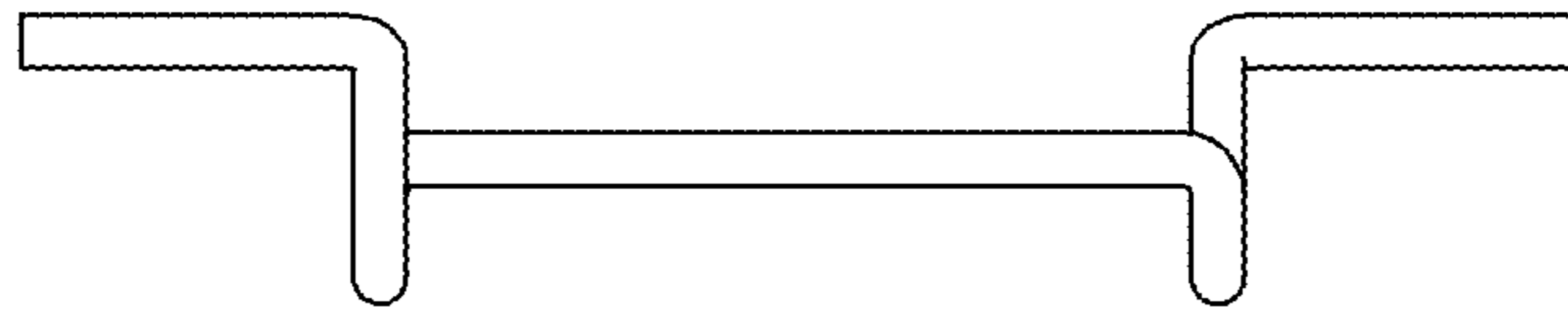


FIG. 2

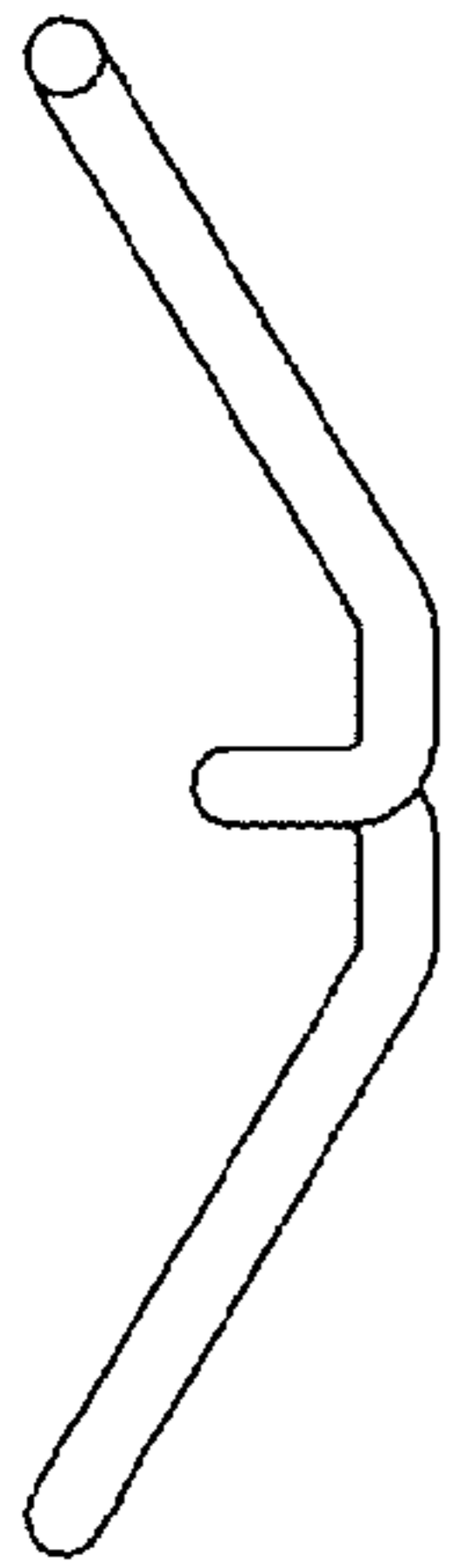


FIG. 3

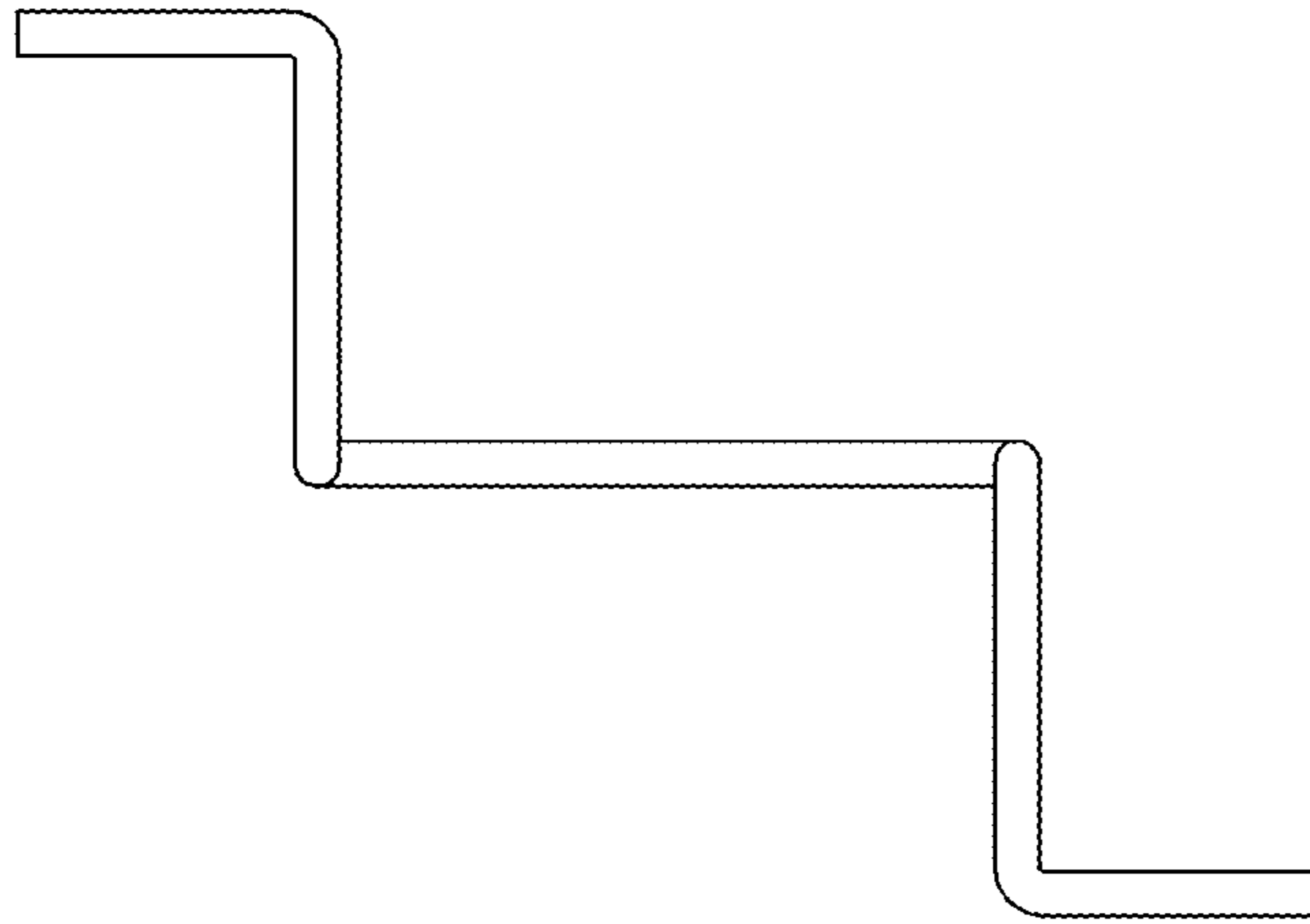


FIG. 4

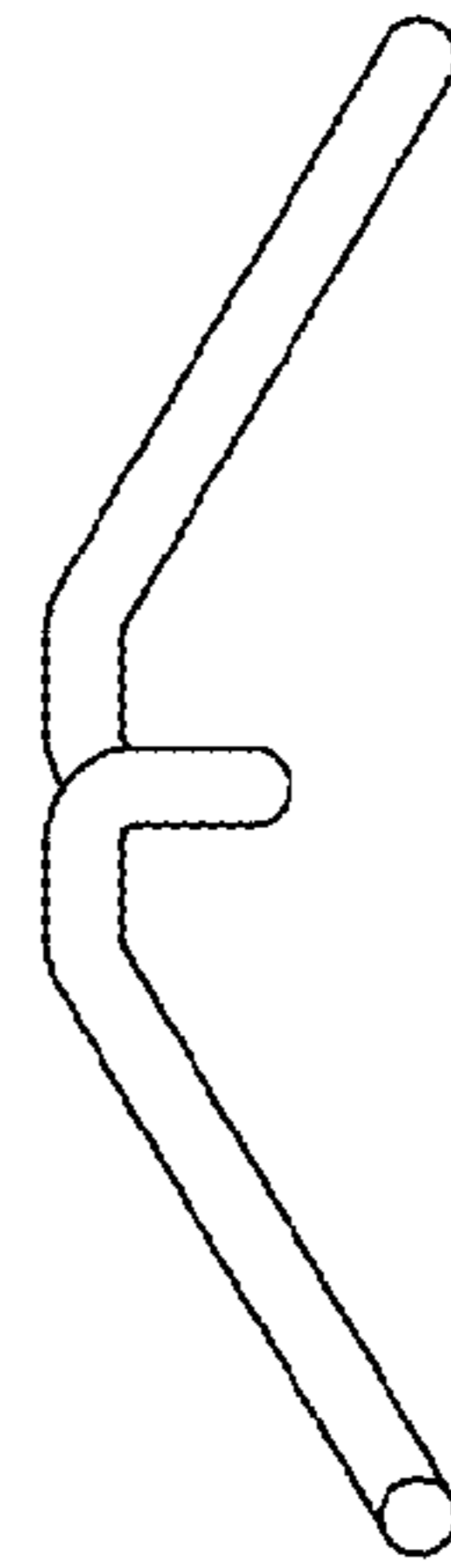


FIG. 5

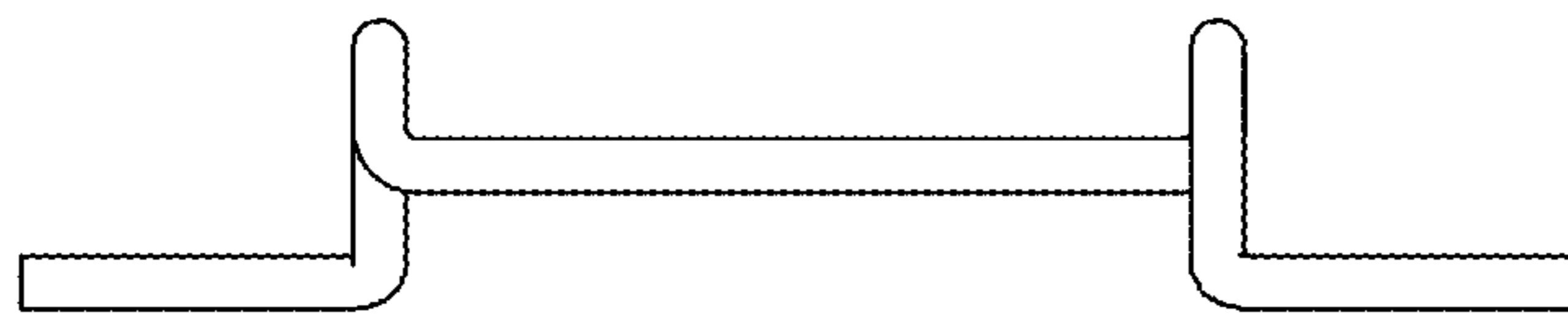


FIG. 6

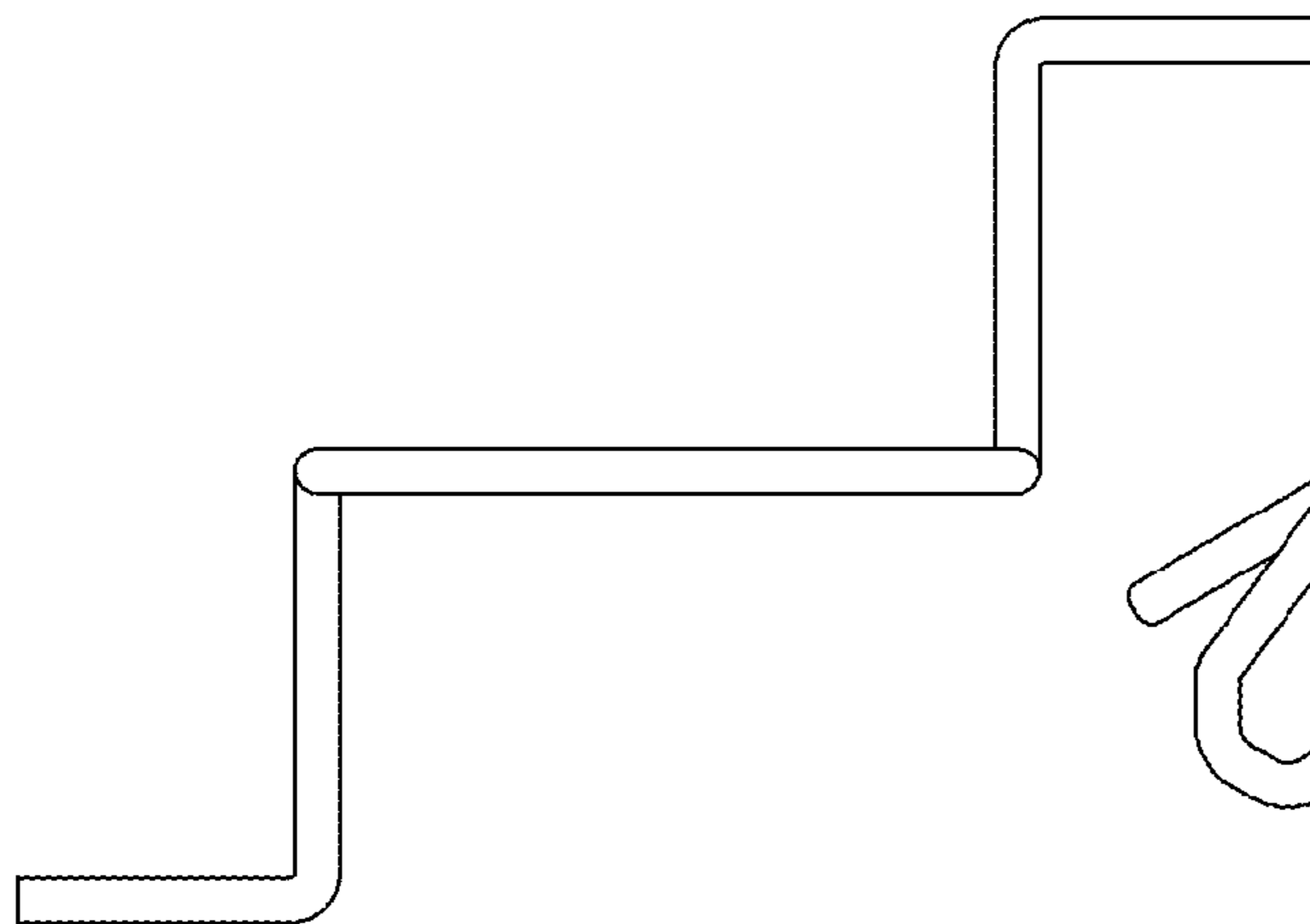


FIG. 7

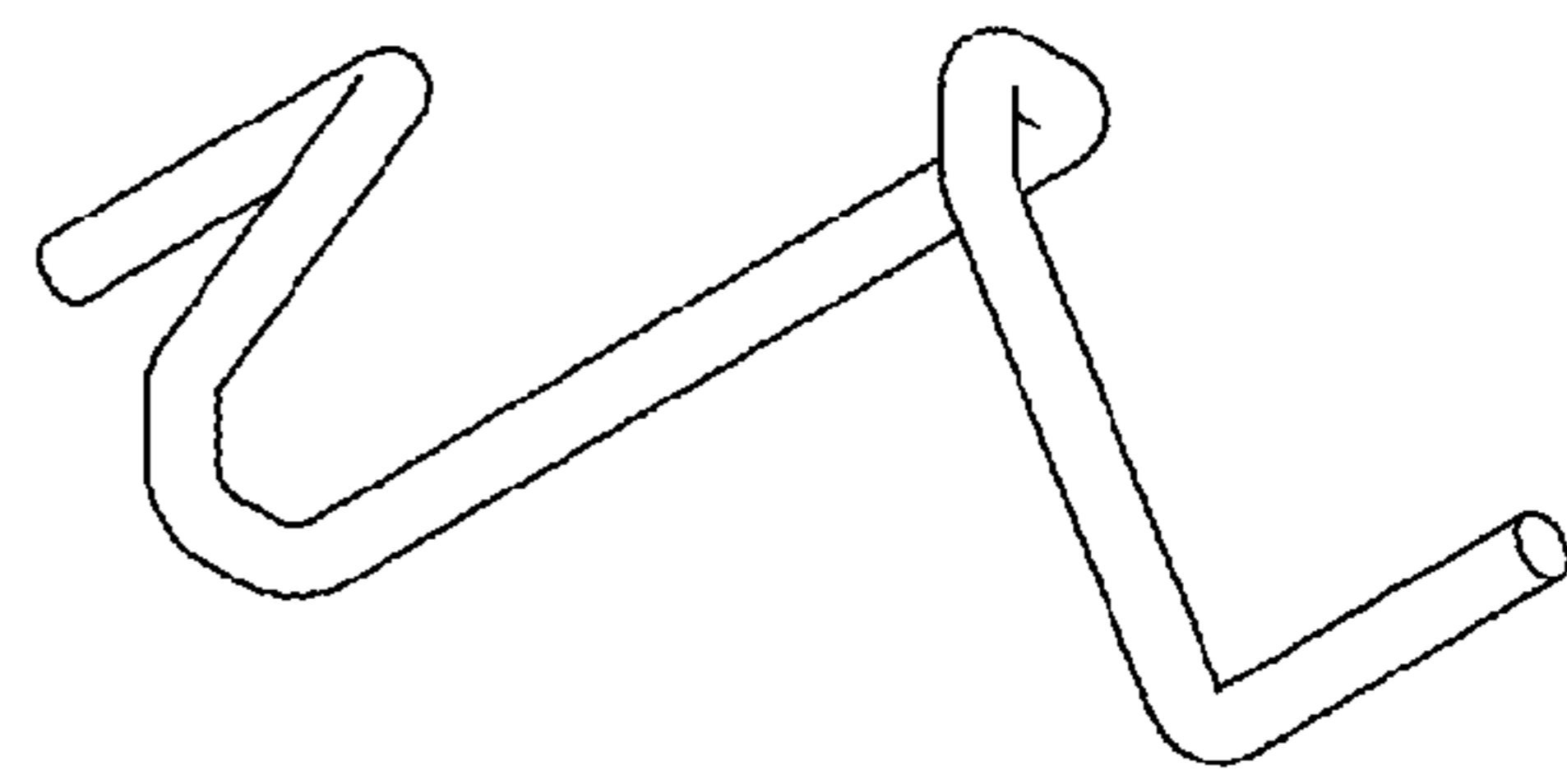
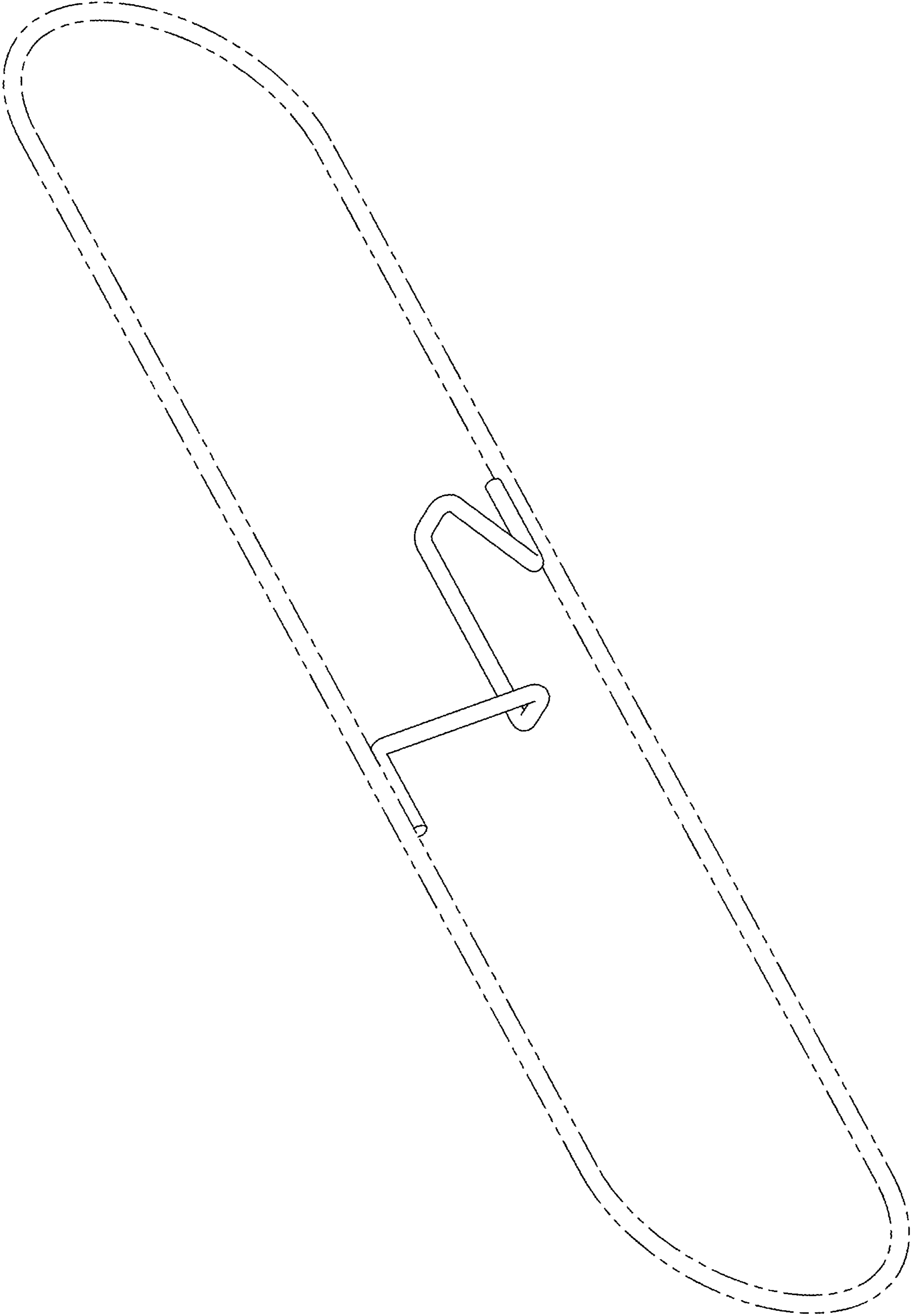


FIG. 8

FIG. 9



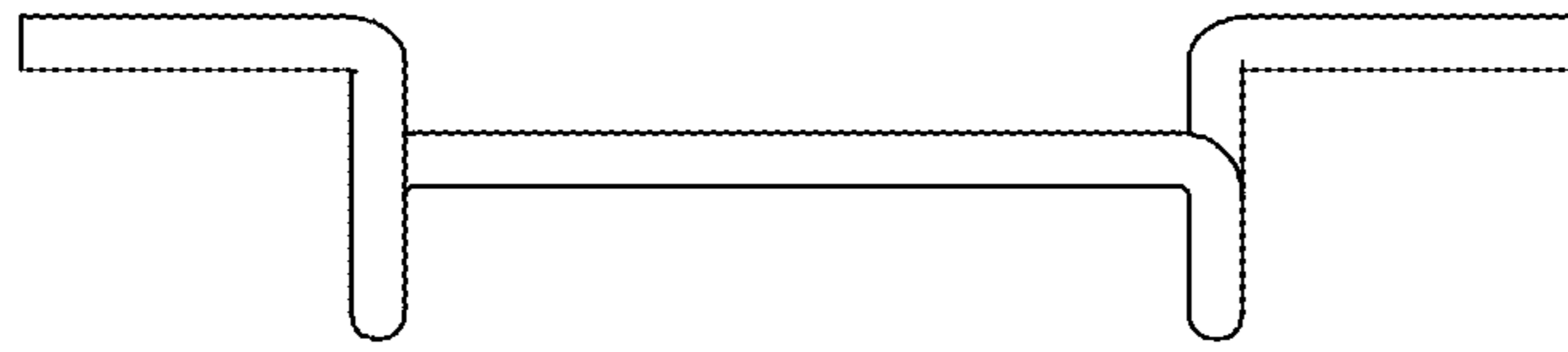


FIG. 10

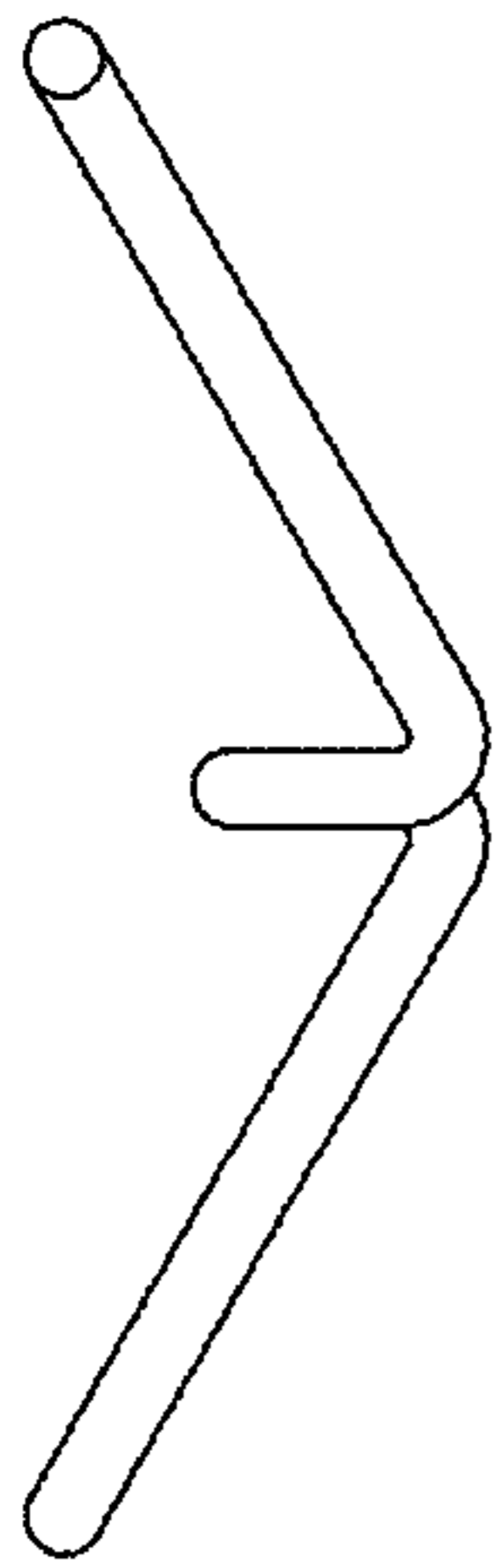


FIG. 11

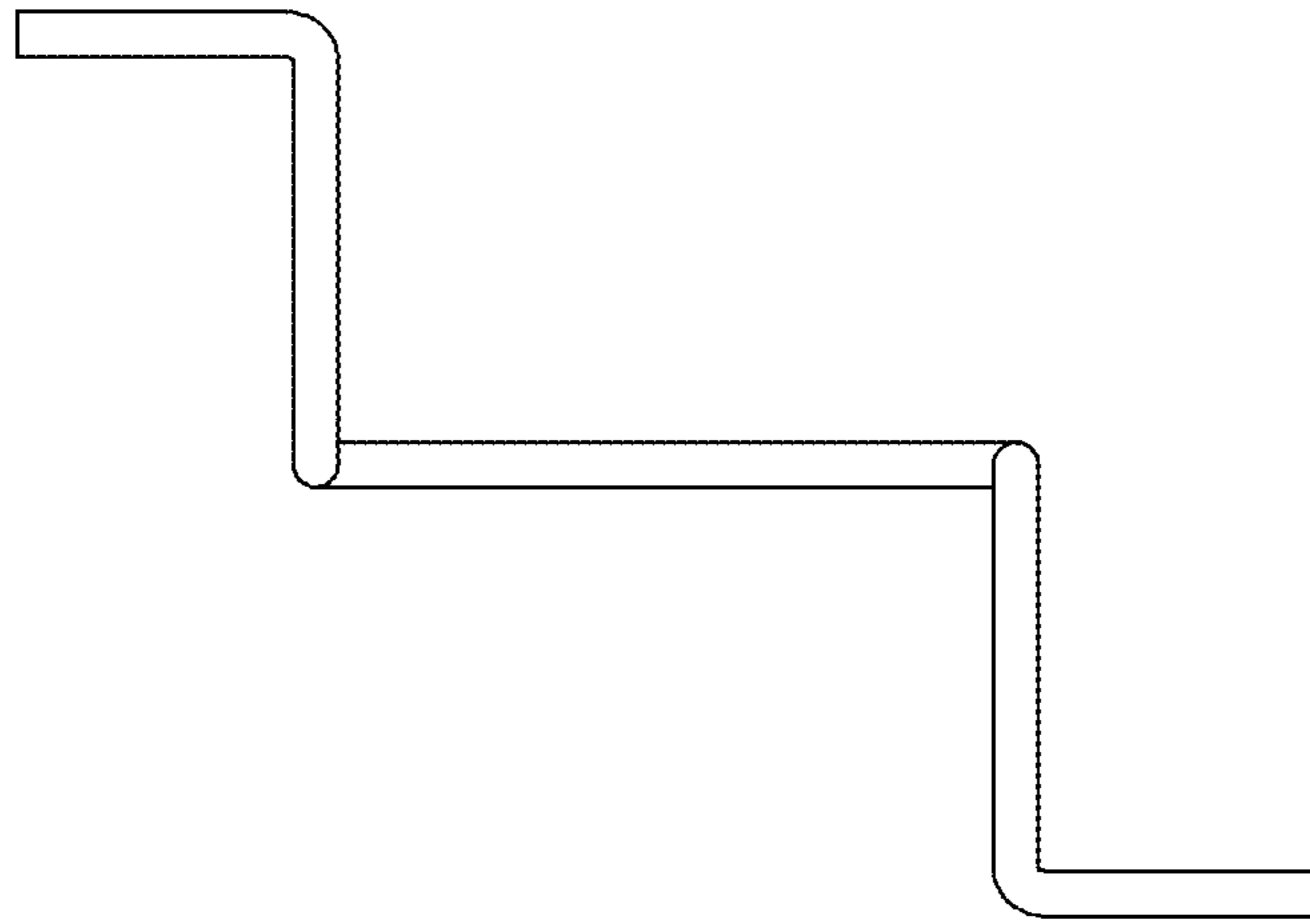


FIG. 12

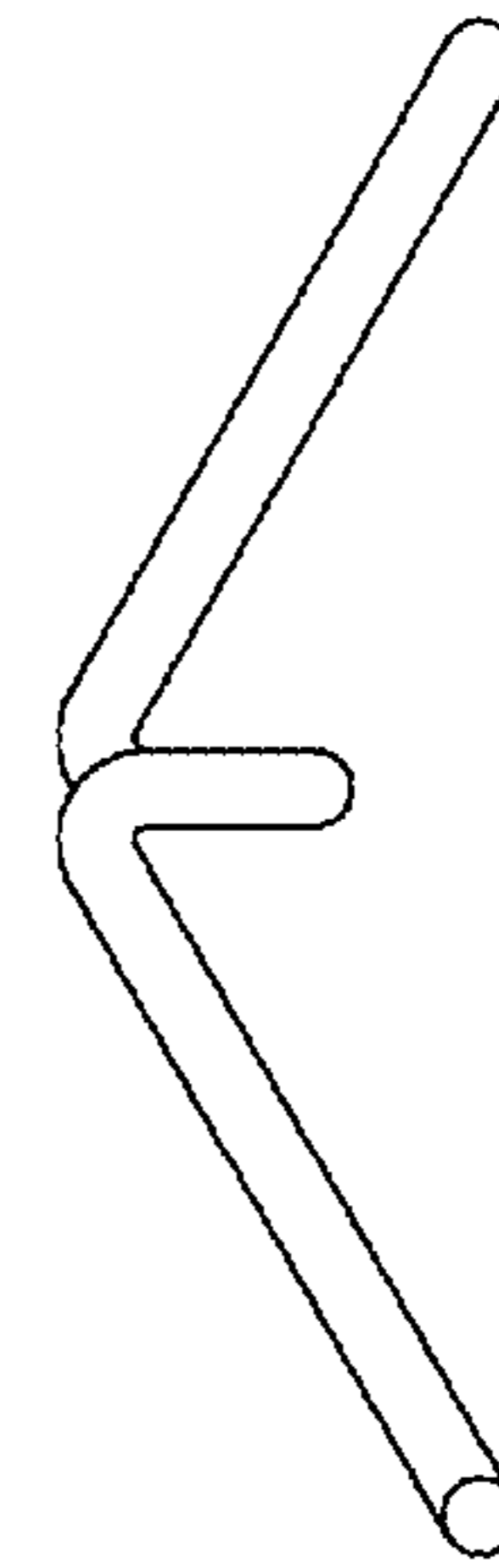


FIG. 13

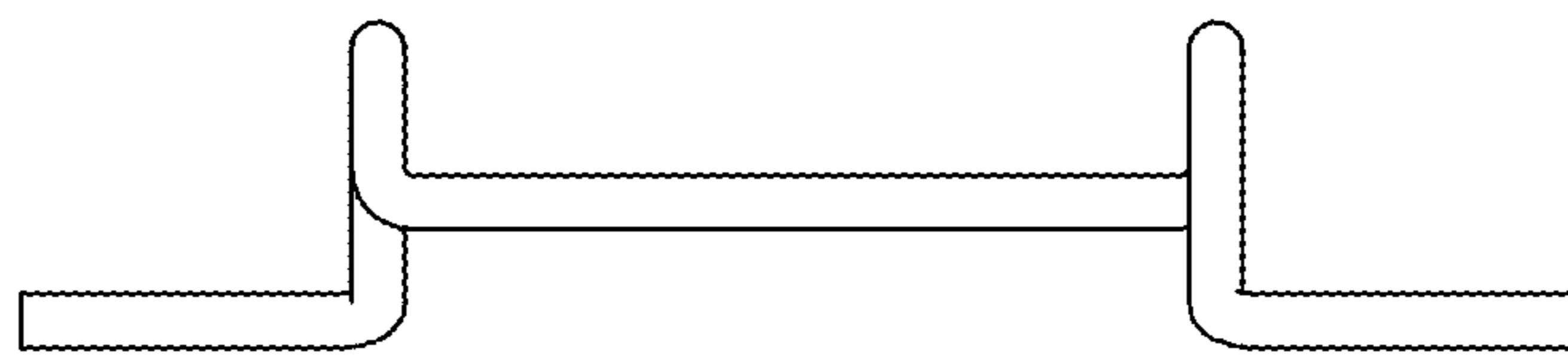


FIG. 14

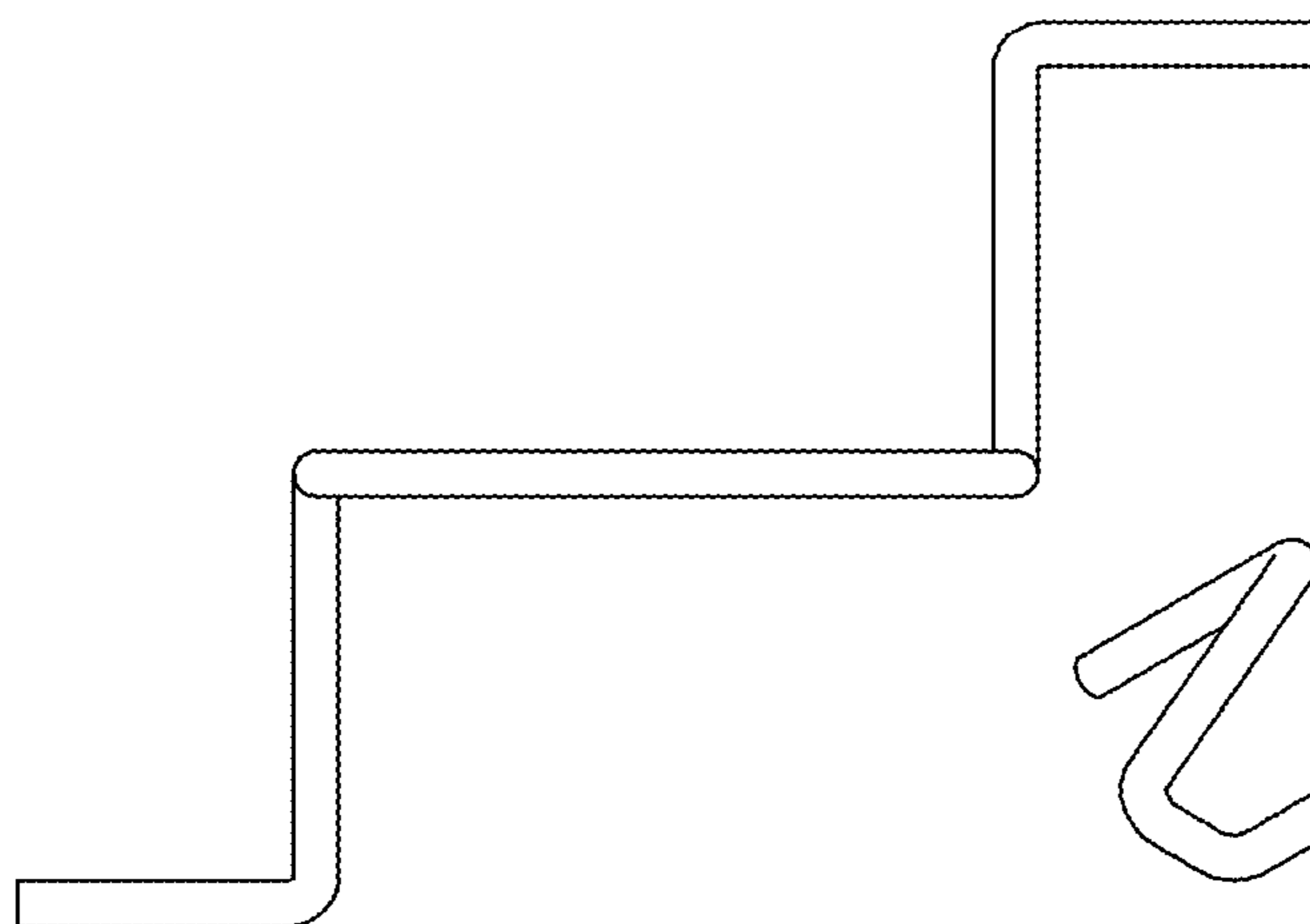


FIG. 15

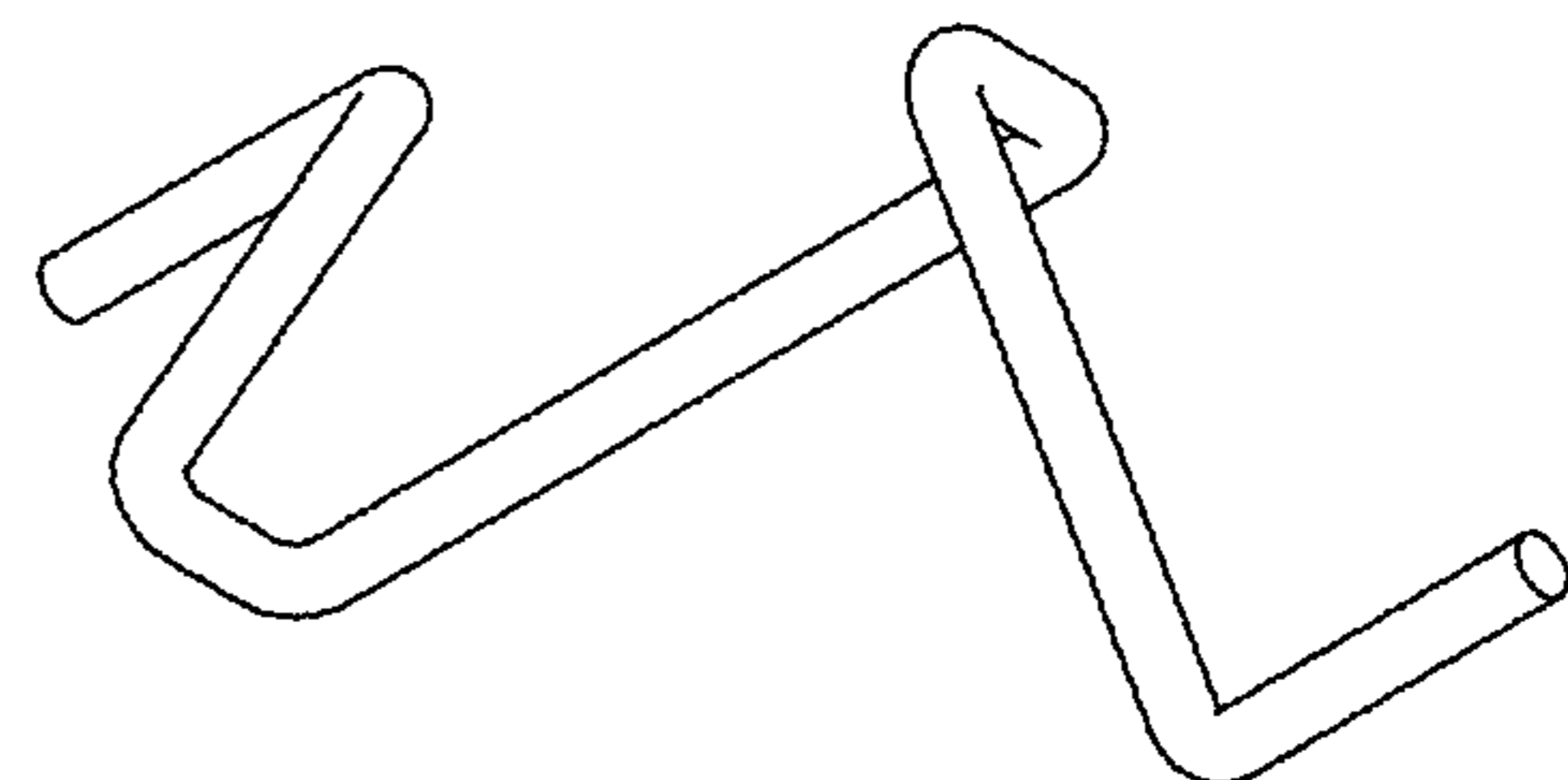
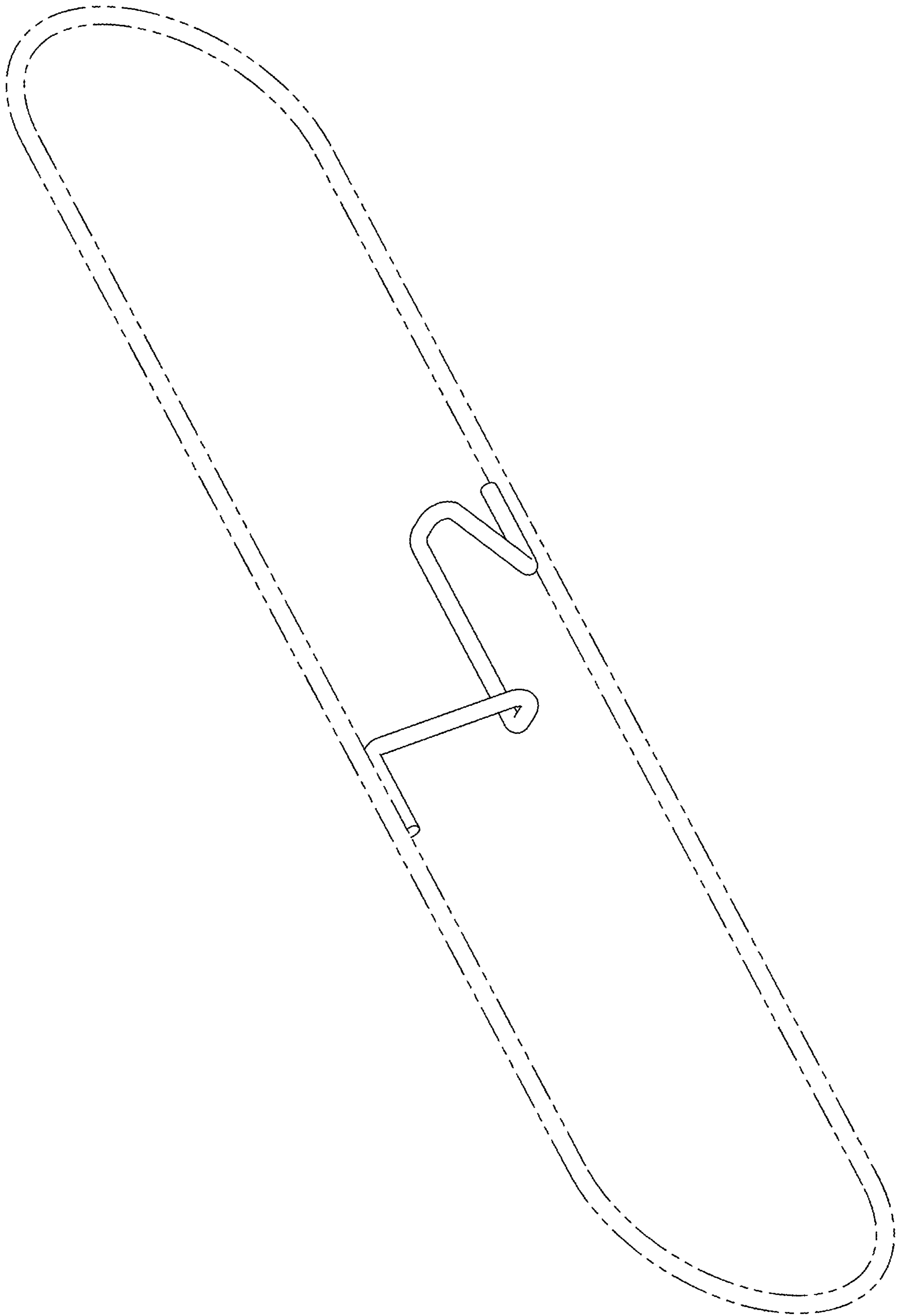


FIG. 16

FIG. 17



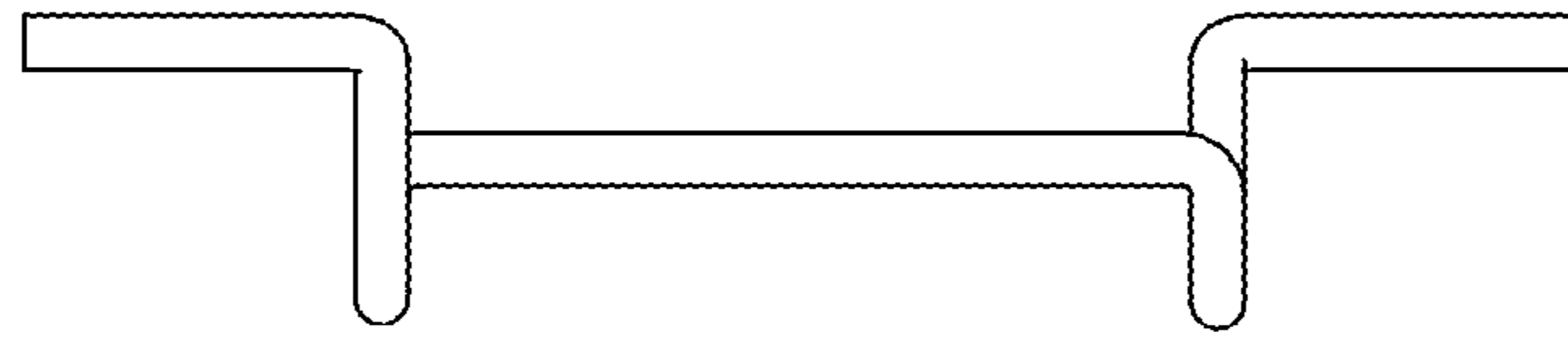


FIG. 18

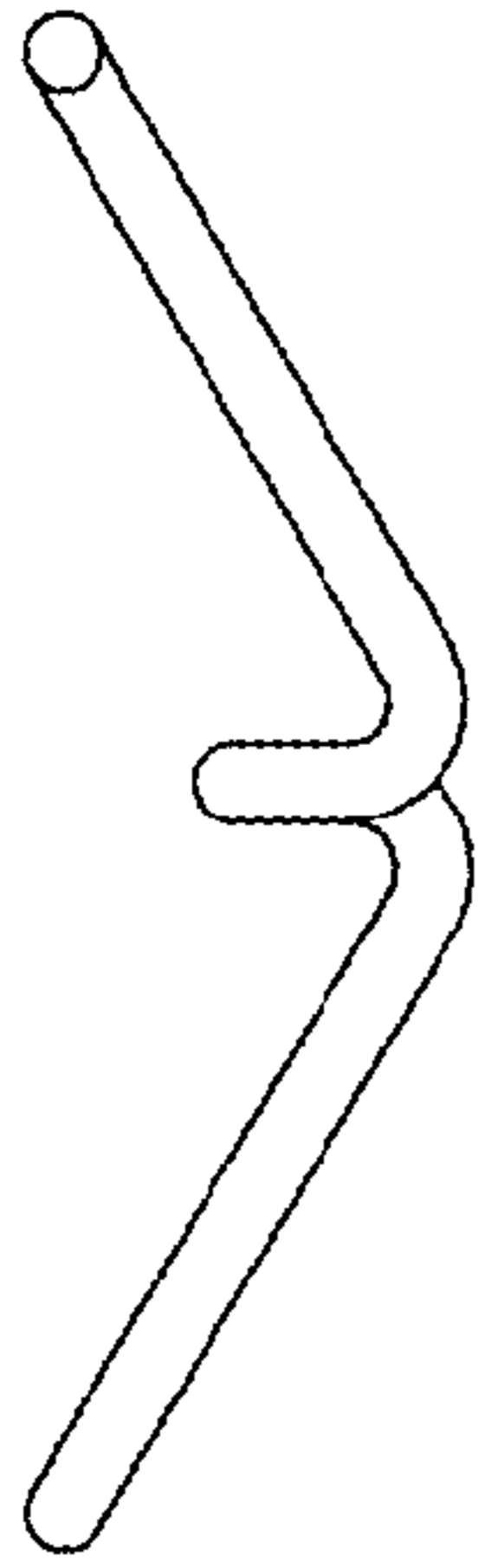


FIG. 19

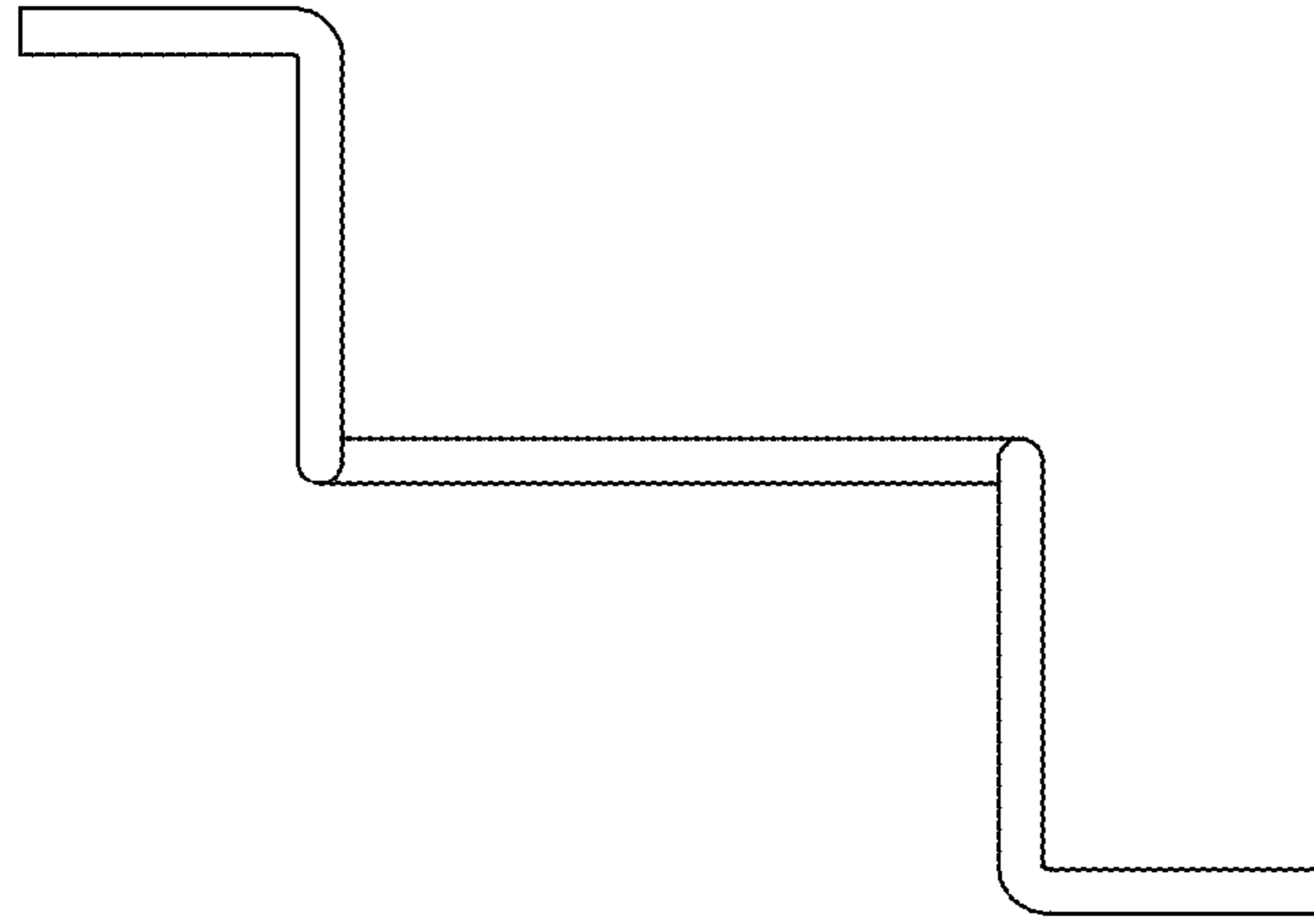


FIG. 20

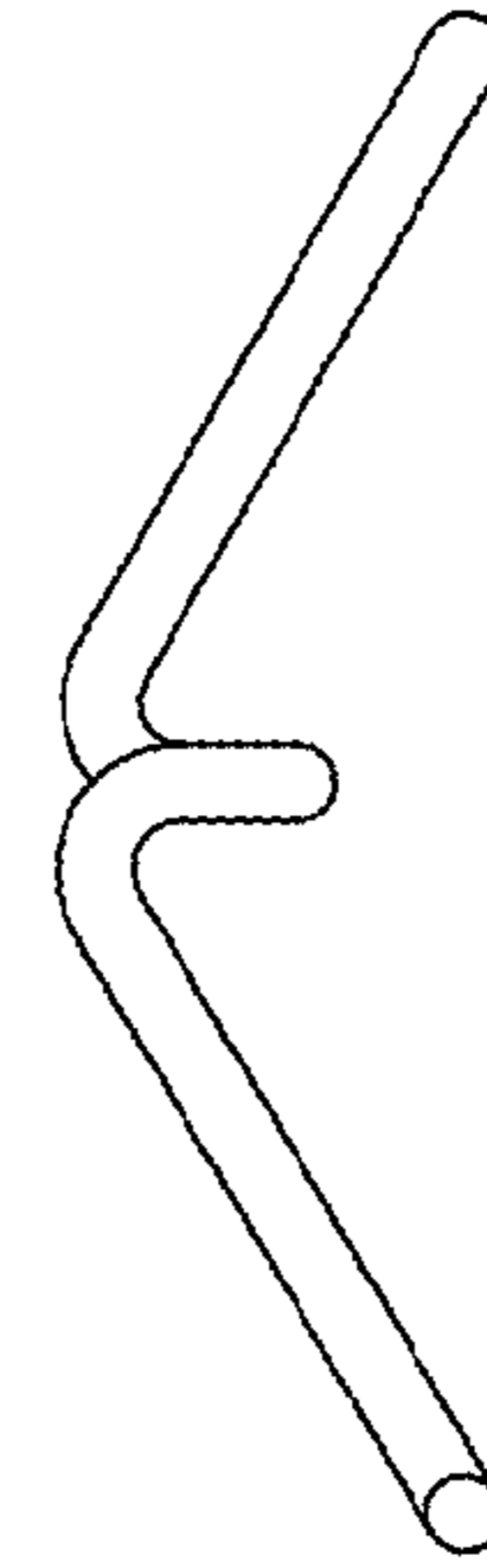


FIG. 21

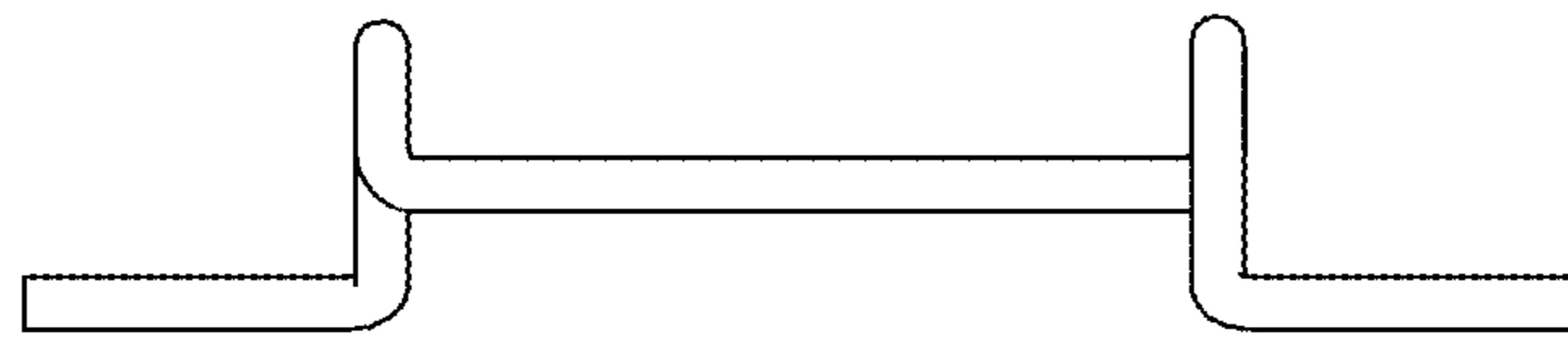


FIG. 22

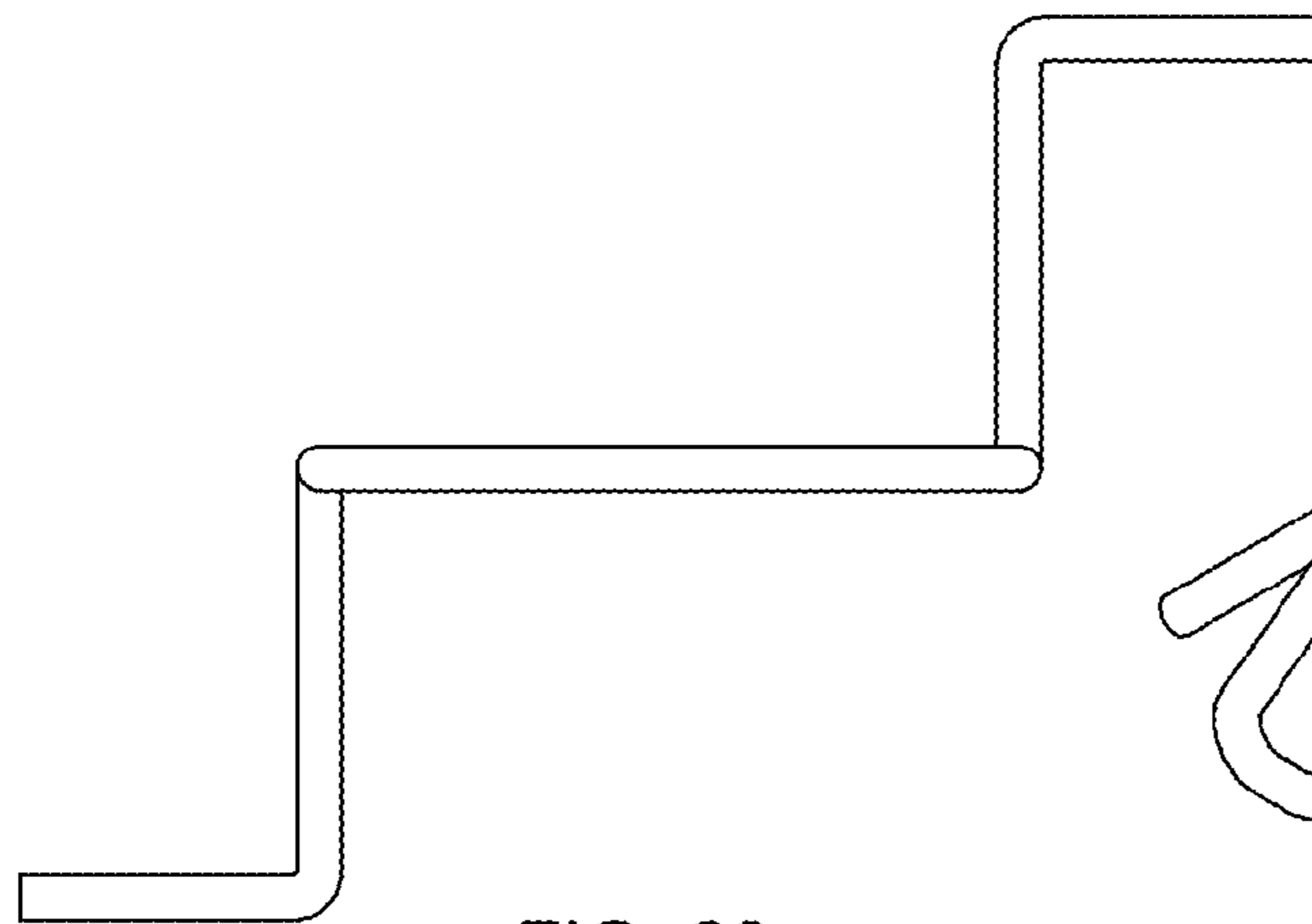


FIG. 23

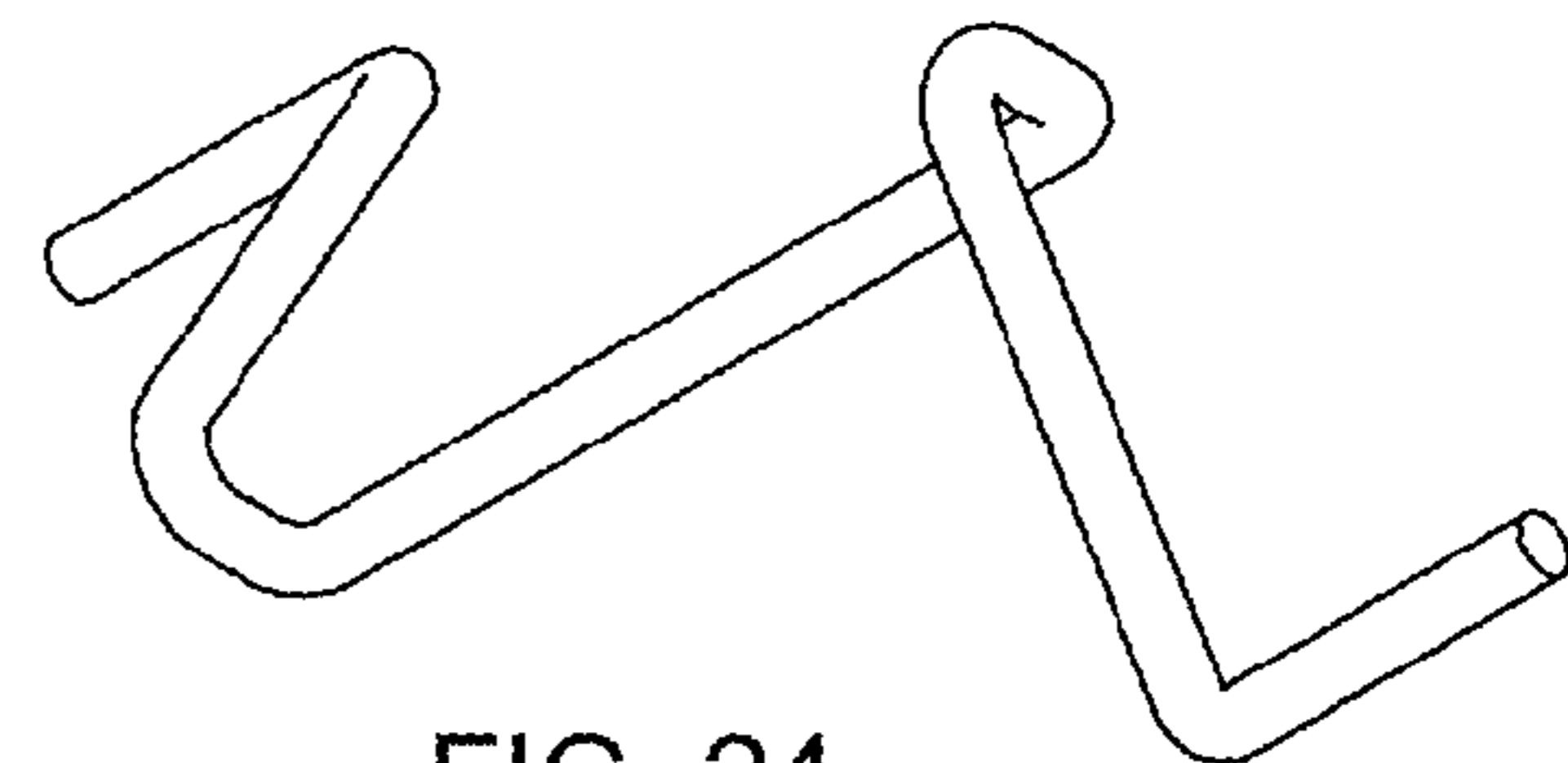


FIG. 24