



US00D354569S

United States Patent [19]

Hilgers

[11] Patent Number: **Des. 354,569**

[45] Date of Patent: **** Jan. 17, 1995**

[54] LINGUAL ORTHODONTIC ARCH APPLIANCE

[75] Inventor: **James J. Hilgers**, Escondido, Calif.

[73] Assignee: **Ormco Corporation**, Glendora, Calif.

[**] Term: **14 Years**

[21] Appl. No.: **10,694**

[22] Filed: **Jul. 14, 1993**

[52] U.S. Cl. **D24/180**

[58] Field of Search **D24/176-182;**
433/2, 5-7, 18-24, 140; D8/370

[56] References Cited

U.S. PATENT DOCUMENTS

D. 317,861	7/1991	Lehner	.....	D8/370 X
D. 342,318	12/1993	Moffat	.....	D24/180
3,137,941	6/1964	Andrews	.....	433/5
3,337,958	8/1967	Stifter	.....	433/5
3,429,044	2/1969	Rubin	.....	433/5
4,245,984	1/1981	Hamill, Jr.	.....	433/5
4,406,620	9/1983	Kaprelian et al.	.....	433/5

OTHER PUBLICATIONS

TP Laboratories, Inc. Catalog 907, arch wires, pp. 39, 47, 48, 1984.

Rocky Mountain/Orthodontics, Aug. 1984 AJO, Managing 1st Phase Treatment Problems.

Rocky Mountain/Orthodontics, Apr. 1985, High County News.

Primary Examiner—Wallace R. Burke

Assistant Examiner—M. H. Tung

Attorney, Agent, or Firm—Wood, Herron & Evans

[57] CLAIM

The ornamental design for a lingual orthodontic arch appliance, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the lingual orthodontic arch appliance design of this invention, depicting the bottom, right side, and front thereof;

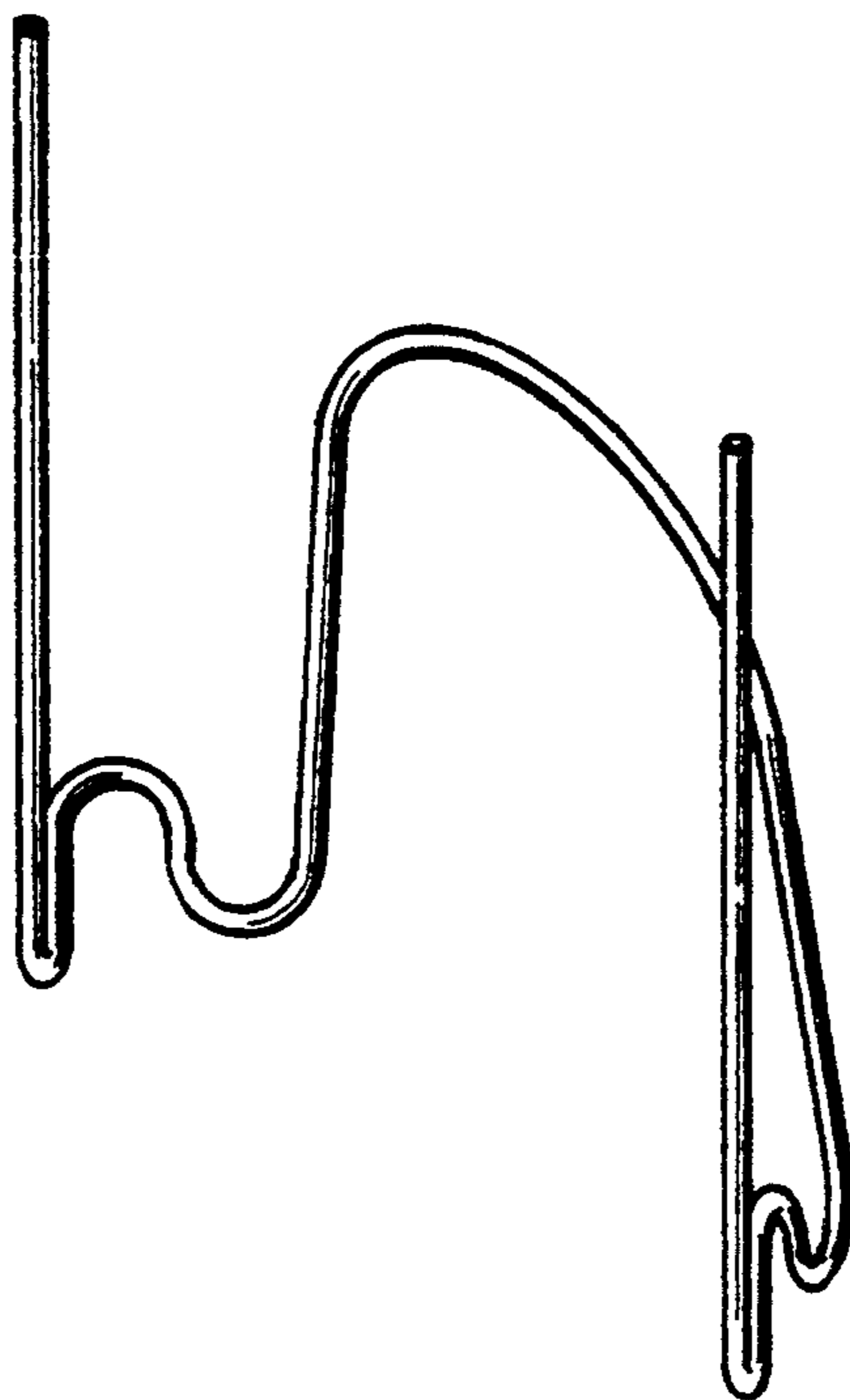
FIG. 2 is a front elevational view thereof;

FIG. 3 is a bottom plan view thereof;

FIG. 4 is a left side view thereof, with the right side view being a mirror image;

FIG. 5 is a top plan view thereof; and,

FIG. 6 is a rear elevational view thereof.



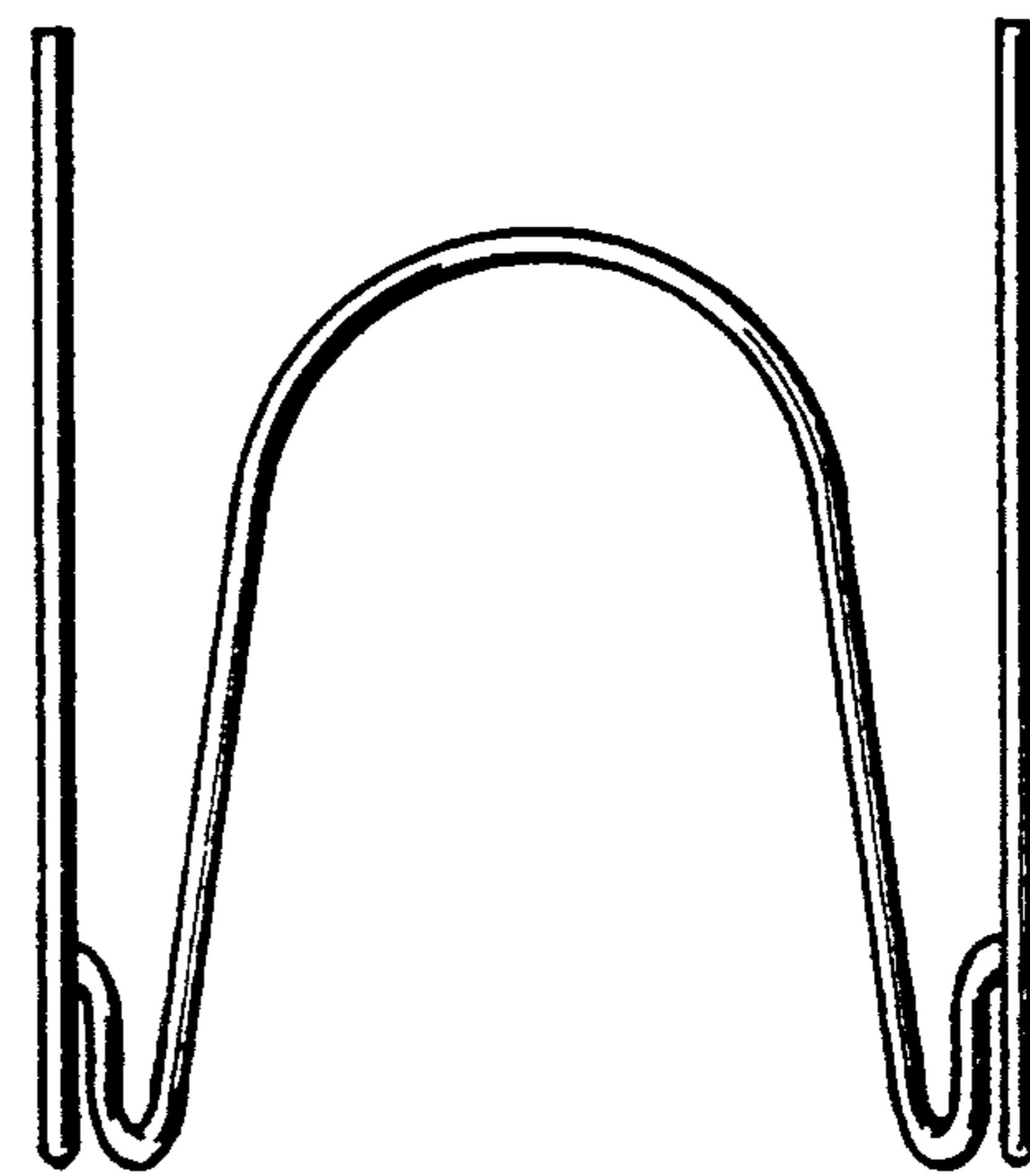
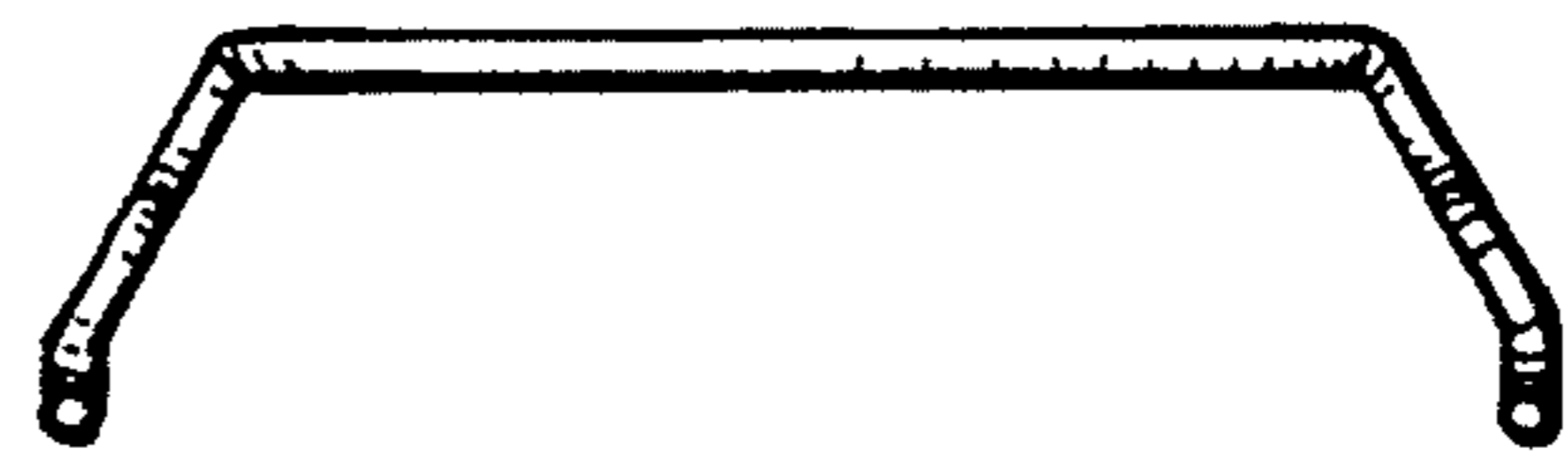
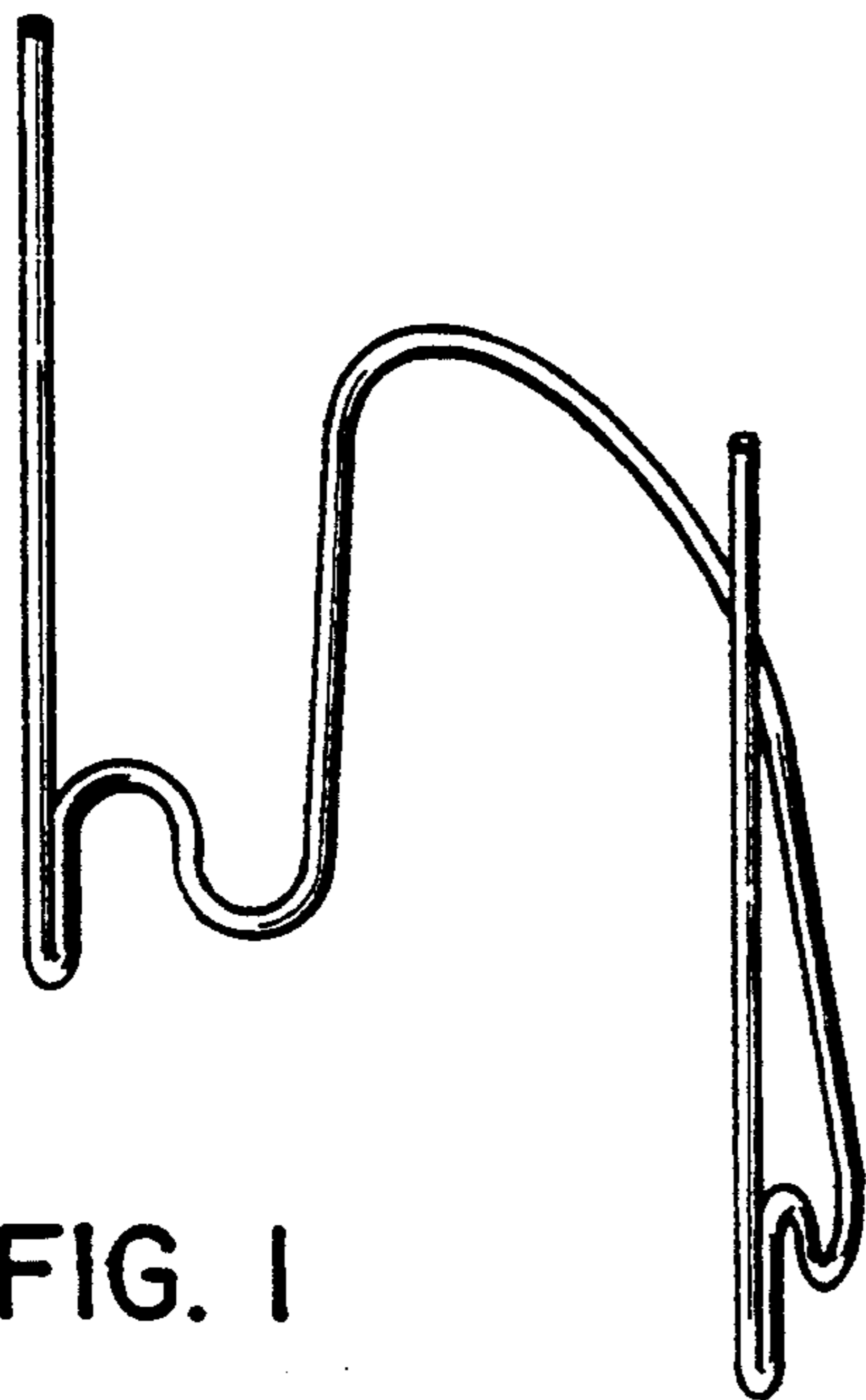


FIG. 3

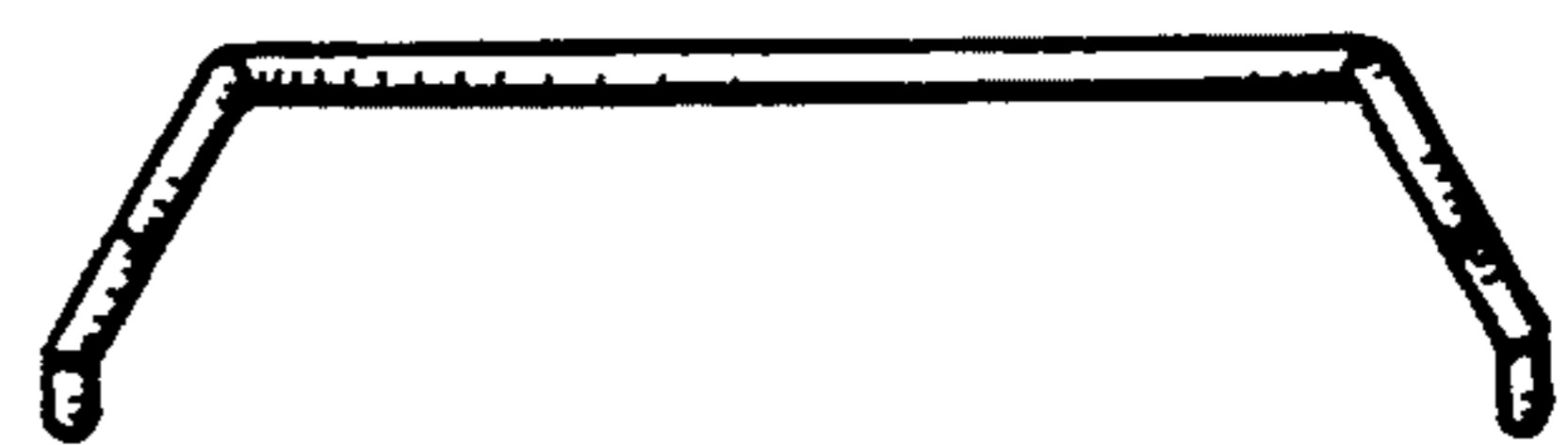
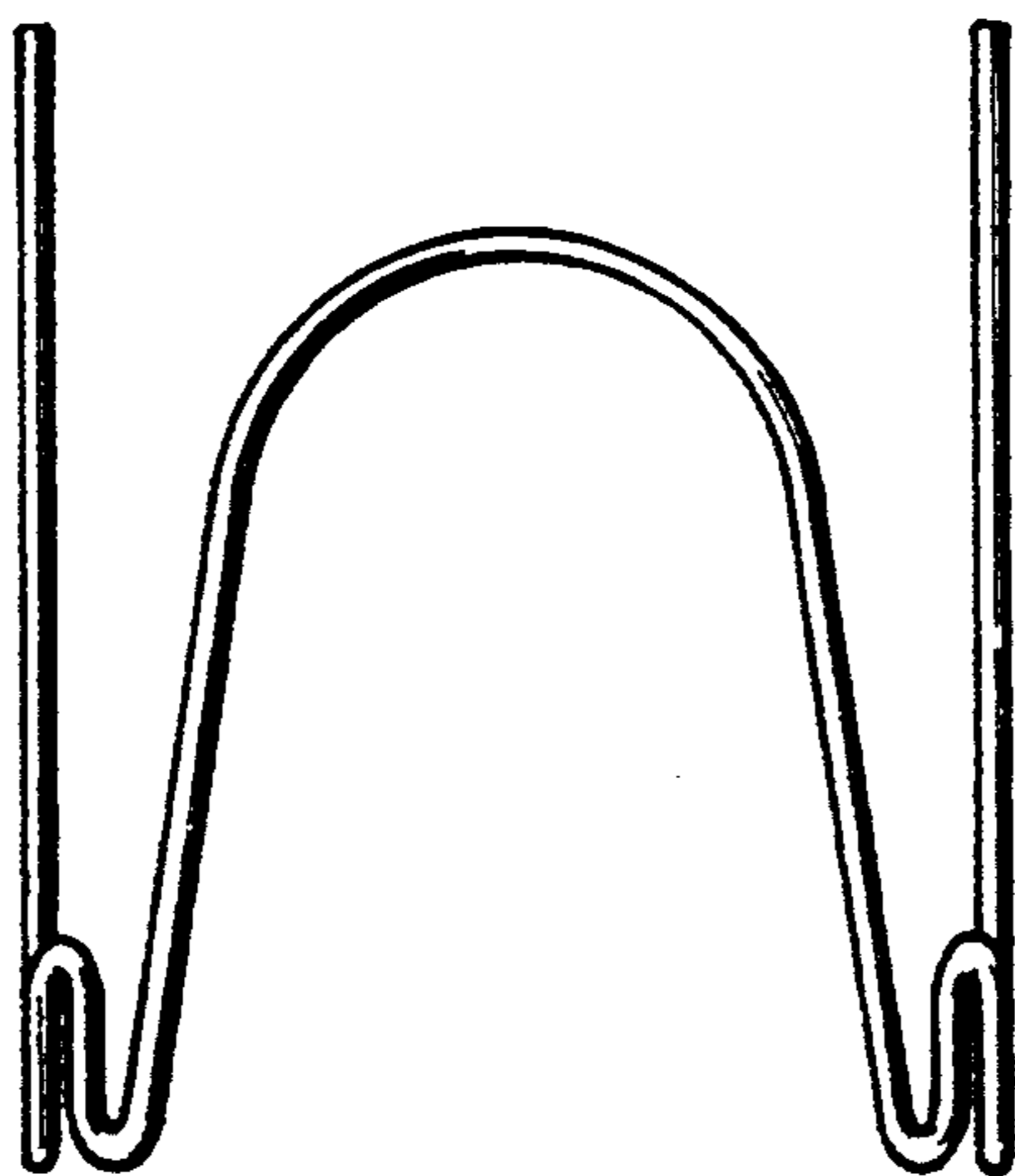
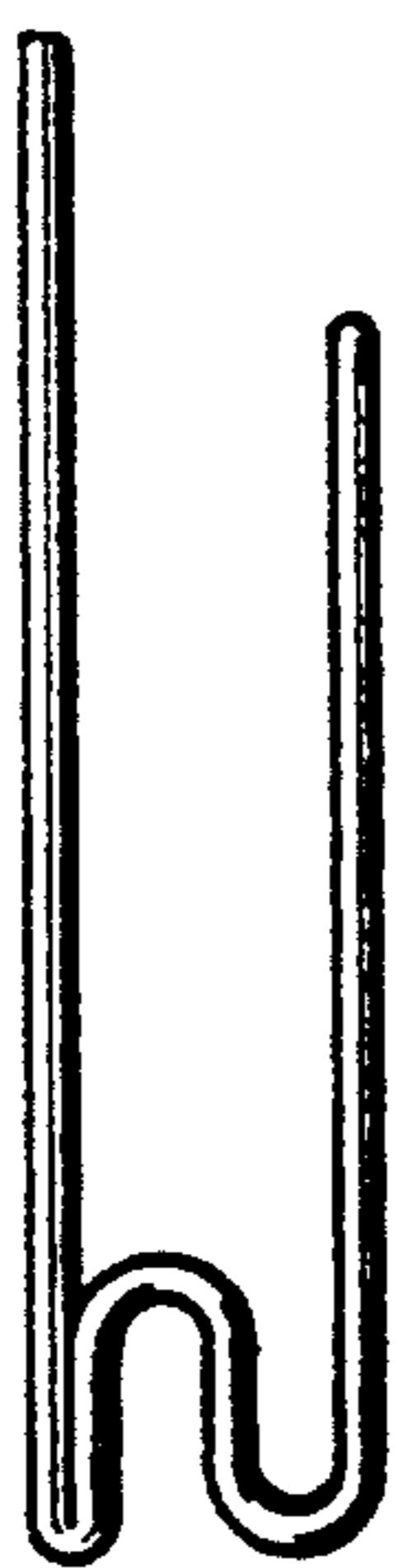


FIG. 6

FIG. 4

FIG. 5