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(12) **United States Design Patent** (10) **Patent No.:** **US D833,614 S**  
**Lange et al.** (45) **Date of Patent:** **\*\* Nov. 13, 2018**

(54) **PRE-SHAPED SPINAL ROD FOR SPINAL FIXATION SYSTEM**

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(52) **U.S. Cl.**  
USPC ..... **D24/155**

(58) **Field of Classification Search**  
USPC ..... D24/155, 146, 133, 171, 128, 135, 142;  
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(Continued)

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*Primary Examiner* — Rhea Shields

(57) **CLAIM**

The ornamental design for a pre-shaped spinal rod for spinal fixation system, as shown and described.

**DESCRIPTION**

1.-2. Pre-shaped spinal rod for spinal fixation system

1.1 : Perspective

1.2 : Enlarged

1.3 : Left

1.4 : Right

1.5 : Front

1.6 : Top

1.7 : Back

1.8 : Bottom

2.1 : Perspective

2.2 : Enlarged

2.3 : Left

2.4 : Right

2.5 : Front

2.6 : Top

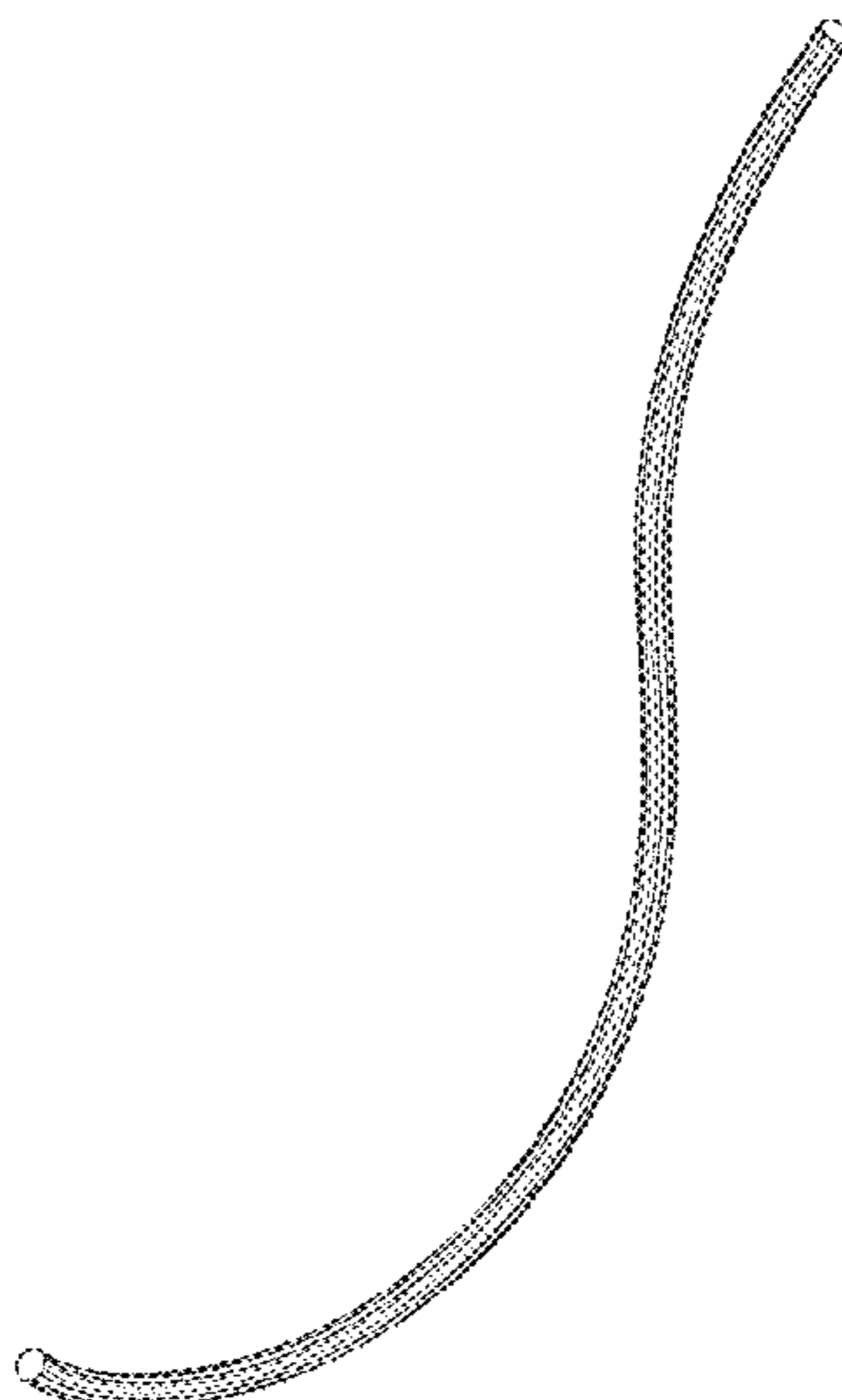
2.7 : Back

2.8 : Bottom

Fig. 1.1 is a perspective view of a pre-shaped spinal rod for spinal fixation system; fig. 1.2 is an enlarged view of a part of the embodiment of fig. 1.1; fig. 1.3 is a left side view of the embodiment of fig. 1.1; fig. 1.4 is a right side view of the embodiment of fig. 1.1; fig. 1.5 is a front view of the embodiment of fig. 1.1; fig. 1.6 is a rear view of the embodiment of fig. 1.1; fig. 1.7 is a top view of the embodiment of fig. 1.1; fig. 1.8 is a bottom view of the embodiment of fig. 1.1; fig. 2.1 is a perspective view of another embodiment of a pre-shaped spinal rod for spinal fixation system; fig. 2.2 is an enlarged view of a part of the embodiment of fig. 2.1; fig. 2.3 is a left side view of the embodiment of fig. 2.1; fig. 2.4 is a right side view of the embodiment of fig. 2.1; fig. 2.5 is a front view of the embodiment of fig. 2.1; fig. 2.6 is a rear view of the embodiment of fig. 2.1; fig. 2.7 is a top view of the embodiment of fig. 2.1; fig. 2.8 is a bottom view of the embodiment of fig. 2.1.

In the 1.2 and 2.2 the dash-dot-dash broken lines are for the purpose of illustrating boundaries of an enlarged portion of the pre-shaped spinal rod for spinal fixation system only and forms a part of the claimed design.

**1 Claim, 16 Drawing Sheets**



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(58) **Field of Classification Search**

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 600/217, 434; 604/105; 60/579;  
 446/491; D17/20; D13/108, 148, 107,  
 D13/139.2, 147, 137.4, 139.8; 43/44.91  
 CPC ..... A61B 17/7037; A61B 17/8014; A61B  
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 17/1714; A61B 17/12022; A01K 93/00;  
 A61N 1/05; A61M 5/007; A61J 15/0003

See application file for complete search history.

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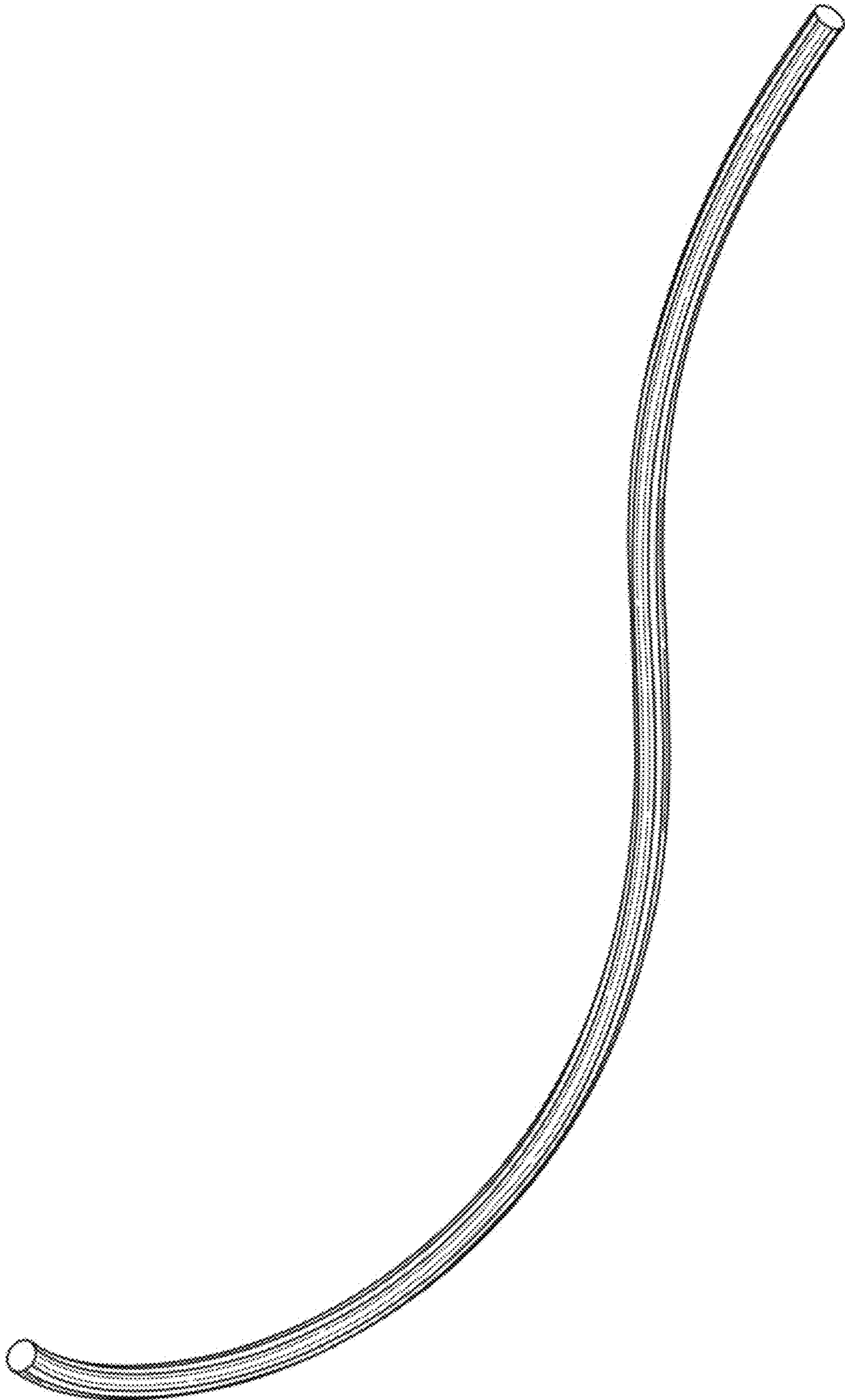
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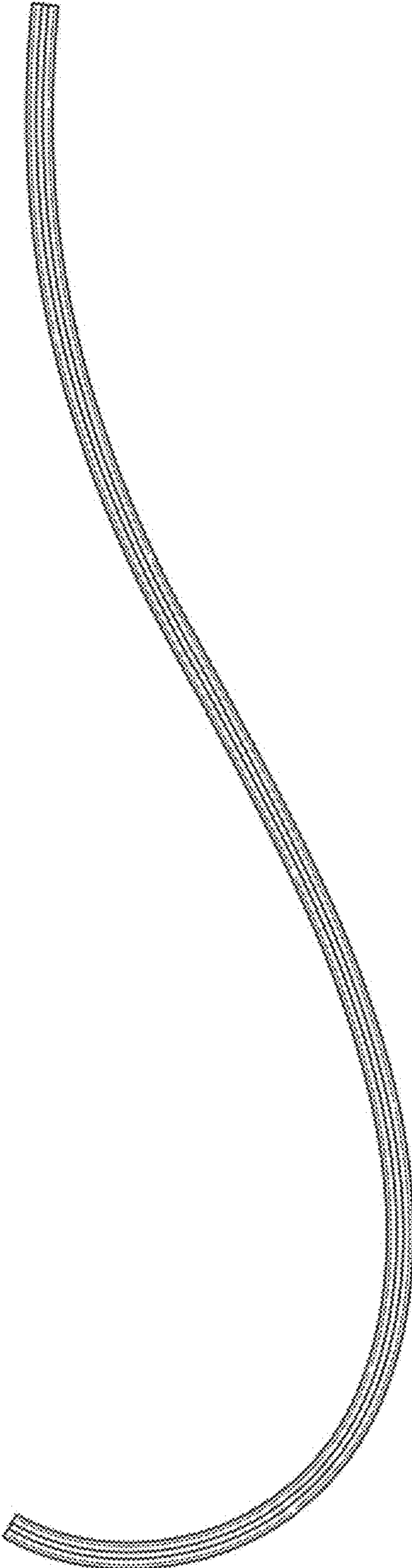
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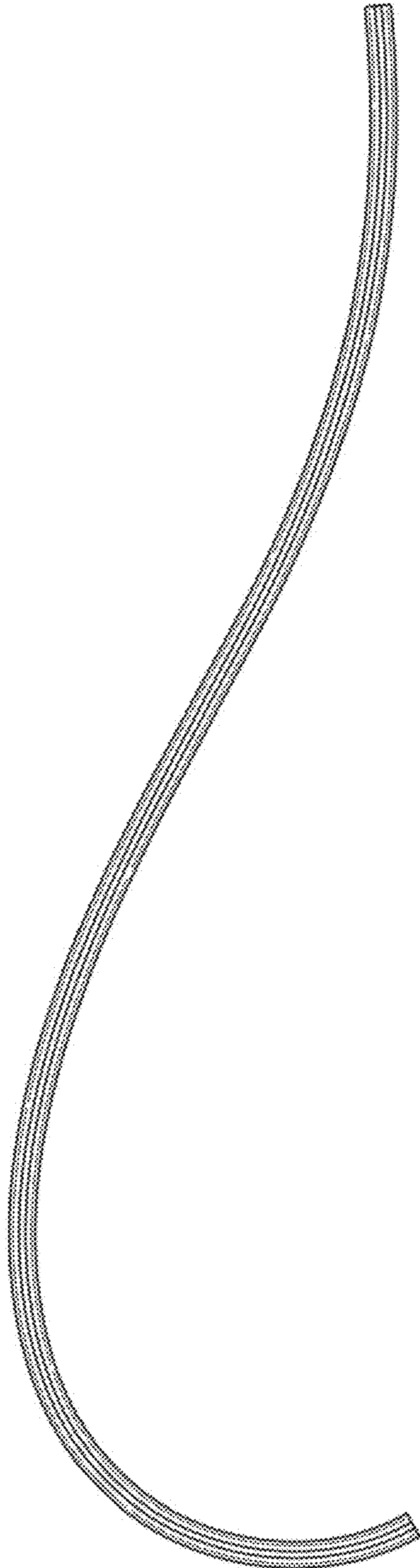
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1.3



1.4



1.5



1.6





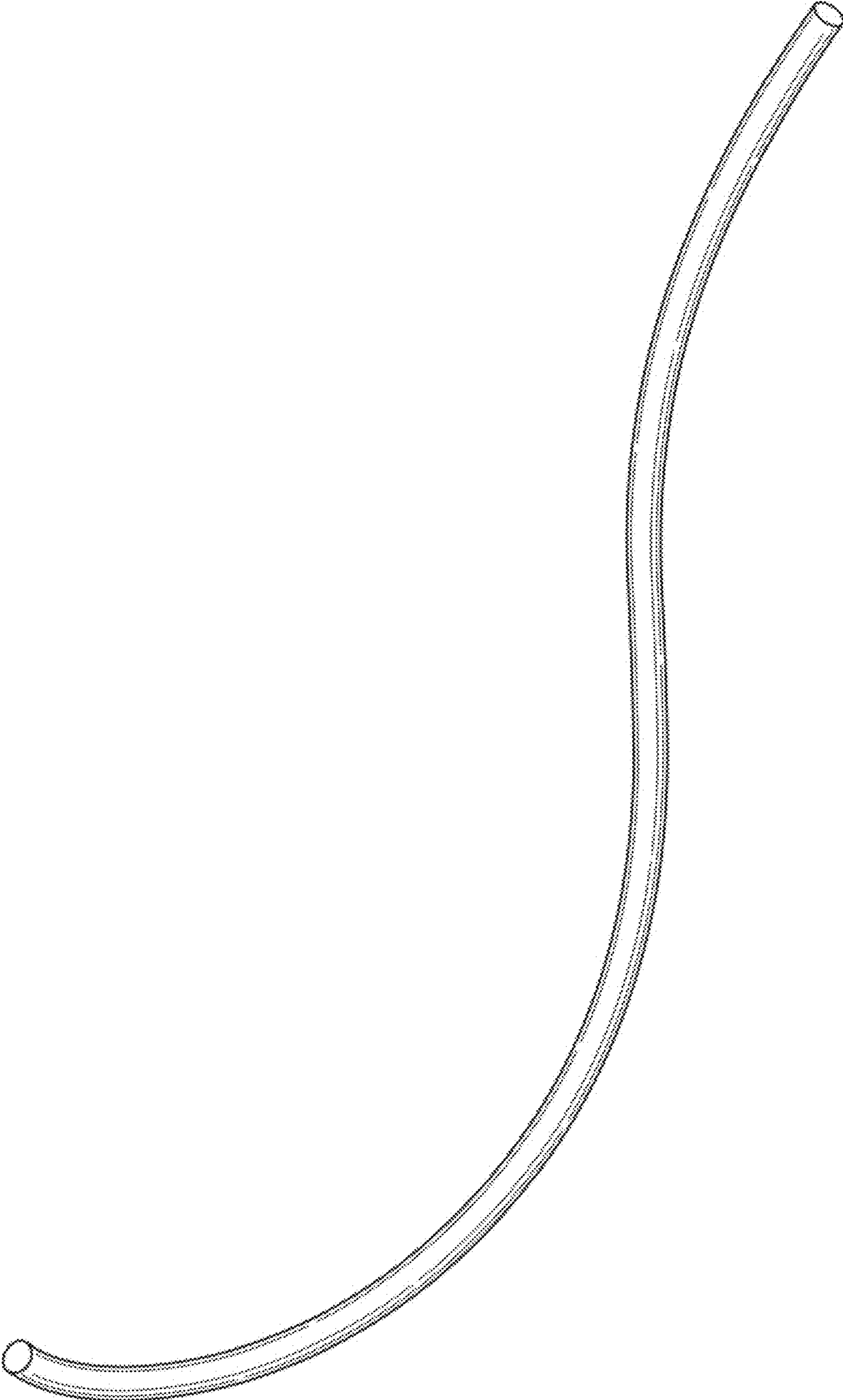
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1.8



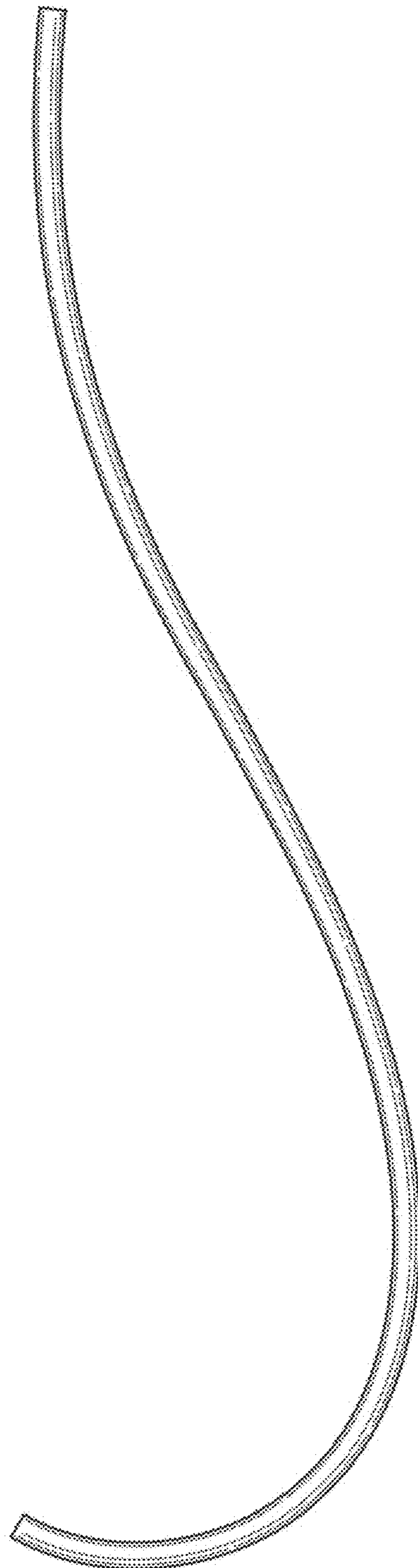
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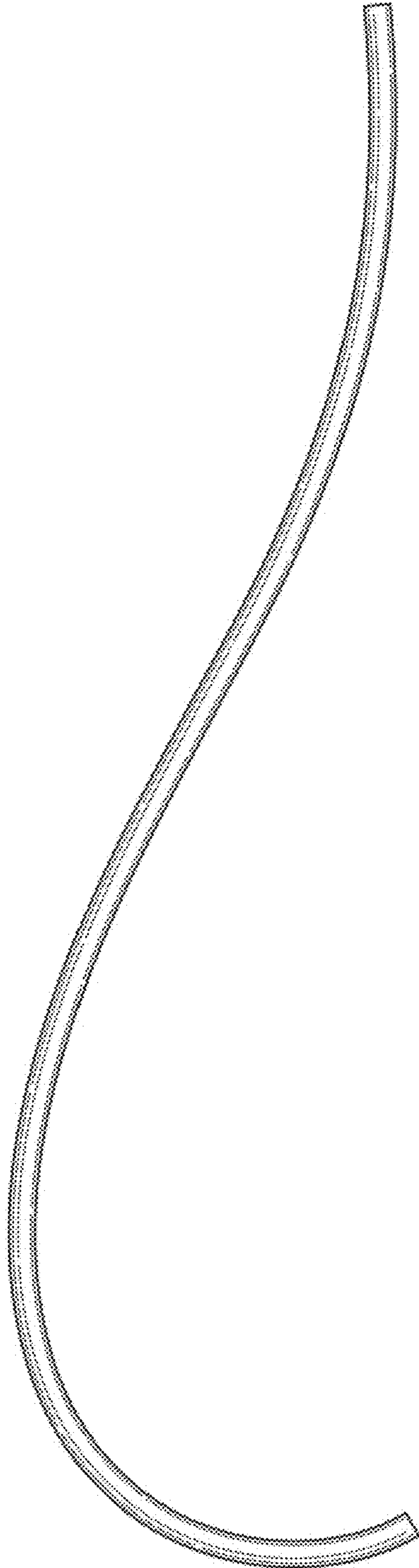
2.2



2.3



2.4



2.5



2.6





2.7



2.8

