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(12) **United States Design Patent**
Liu

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(54) **HANGING LINE WITH CLIPS**

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

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(52) **U.S. Cl.**
USPC **D6/570; D6/323**

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211/59.1, 89, 113, 119; 248/247, 248,
248/300, 309.1, 309.2, 316.7, 304
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A47G 25/10; E04D 12/006; E06B 1/04;
E04F 13/007; B65D 9/36; A63H 3/50;
Y10T 403/54; Y10T 403/453; A47B
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See application file for complete search history.

4,573,590 A * 3/1986 Ellis A47F 5/0068
211/118

4,749,088 A * 6/1988 Workman A47F 5/0892
211/113

D297,412 S * 8/1988 Allen D6/553

D323,286 S * 1/1992 Roetting 211/119

5,118,065 A * 6/1992 Becklund A47G 25/06
248/231.51

D339,979 S * 10/1993 Wehrley D6/315

D343,750 S * 2/1994 Wolf D6/514

D346,922 S * 5/1994 Lewis D6/570

5,386,916 A * 2/1995 Valiulis A47F 5/0006
211/113

5,452,806 A * 9/1995 Campas A47F 5/0006
206/495

D367,574 S * 3/1996 Werner D6/514

5,515,978 A * 5/1996 Moran A47G 25/10
211/113

D370,582 S 6/1996 Bartsch

D377,123 S * 1/1997 Hutchens D6/323

(Continued)

Primary Examiner — Nathan M Johnston

(57) **CLAIM**

The ornamental design for a hanging line with clips, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a hanging line with clips showing my new design;

FIG. 2 is a front elevational view thereof;

FIG. 3 is a rear elevational view thereof;

FIG. 4 is a left side elevational view thereof;

FIG. 5 is a right side elevational view thereof;

FIG. 6 is a top plan view thereof;

FIG. 7 is a bottom plan view thereof; and,

FIG. 8 is an enlarged of a rectangular portion IIX of FIG. 1. The broken lines in the drawings depict portions of the hanging line with clips that form no part of the claimed design.

1 Claim, 8 Drawing Sheets

(56) **References Cited**

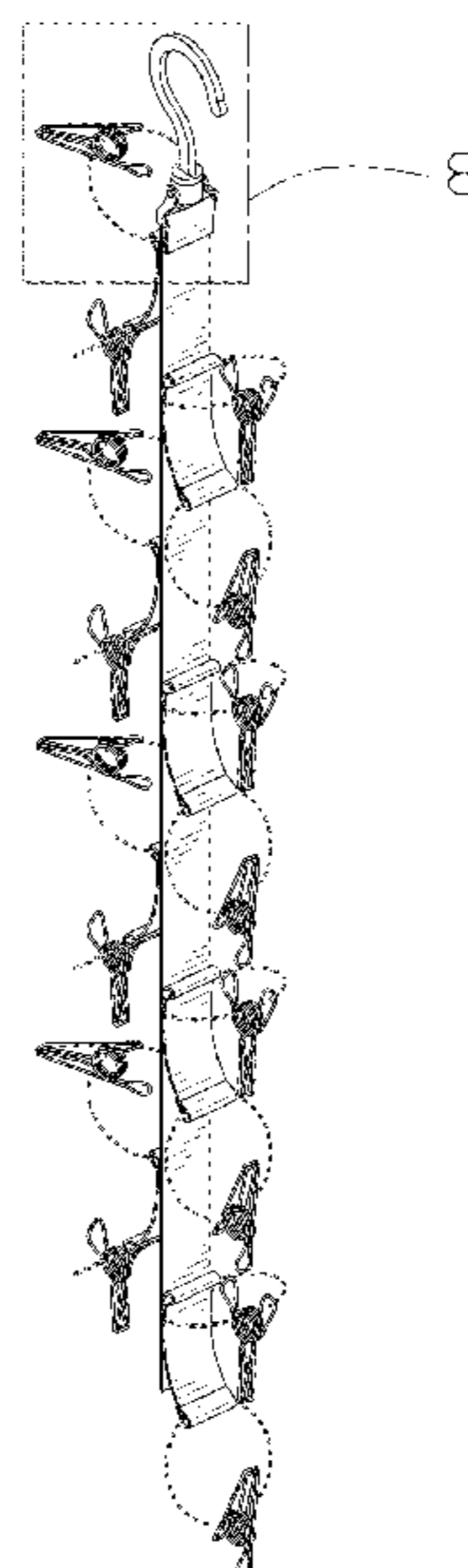
U.S. PATENT DOCUMENTS

D190,608 S * 6/1961 Forrester D8/372

D211,795 S * 7/1968 Wooten D6/317

D219,704 S * 1/1971 Ziayiek, Jr. D8/367

D249,035 S 8/1978 Martin



(56)

References Cited

U.S. PATENT DOCUMENTS

5,601,197 A * 2/1997 Baxter A47F 5/0006
 211/113
 D415,674 S * 10/1999 Pahl D8/373
 6,006,929 A * 12/1999 Leonard A47F 5/01
 211/106
 6,213,316 B1 * 4/2001 Gretz A47F 5/0884
 211/113
 D486,021 S * 2/2004 Dion D6/553
 D496,581 S * 9/2004 Shaw D6/514
 D499,294 S * 12/2004 Scott D6/552
 D526,167 S * 8/2006 Chen D6/553
 D536,564 S * 2/2007 McGrath D6/570
 D536,882 S * 2/2007 Sheley D6/323
 D546,601 S * 7/2007 Murphy D6/514
 D558,497 S * 1/2008 Murphy D6/514
 D569,620 S 5/2008 Stein
 D578,312 S * 10/2008 Belokin D6/315
 D582,686 S * 12/2008 Belokin D6/315
 7,481,340 B2 * 1/2009 Murphy A47G 25/743
 211/113
 D758,666 S * 6/2016 Carrillo D28/73
 D771,960 S * 11/2016 McDonough D6/328
 D785,442 S * 5/2017 Tseng D8/354
 D811,754 S * 3/2018 Heroux D6/315
 D852,520 S 7/2019 Dudley
 2004/0262250 A1 * 12/2004 Kosir A47F 5/0006
 211/113
 2013/0015148 A1 * 1/2013 Valiulis A47F 5/0006
 211/59.2
 2014/0034587 A1 * 2/2014 Herold A47B 61/04
 211/34
 2017/0127827 A1 * 5/2017 Lehman A47B 43/00

* cited by examiner

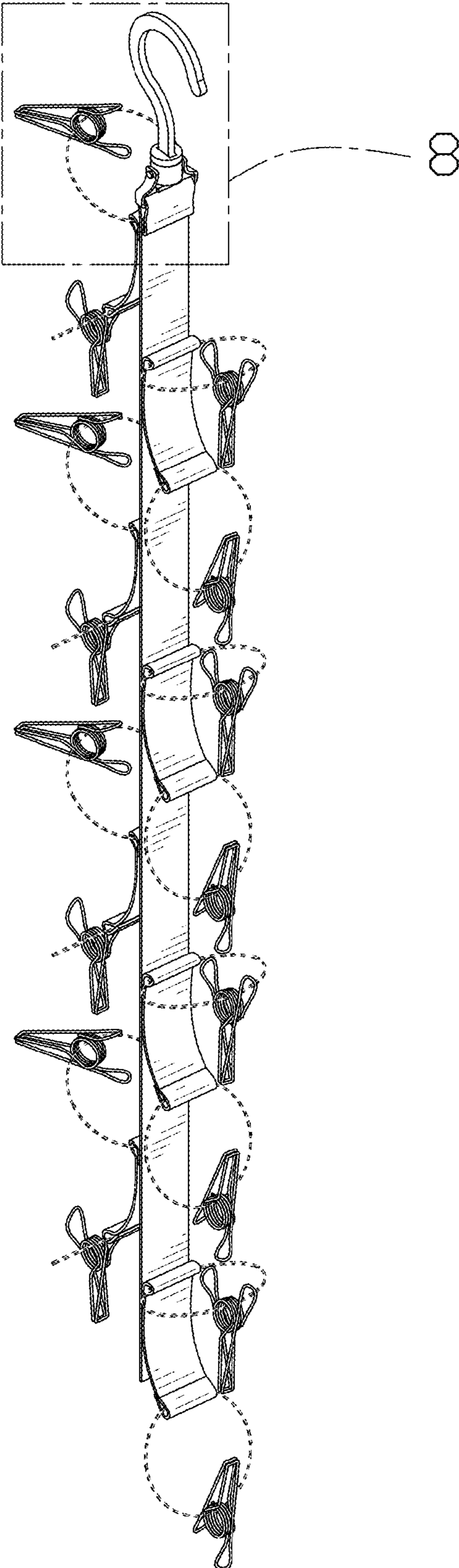


FIG. 1

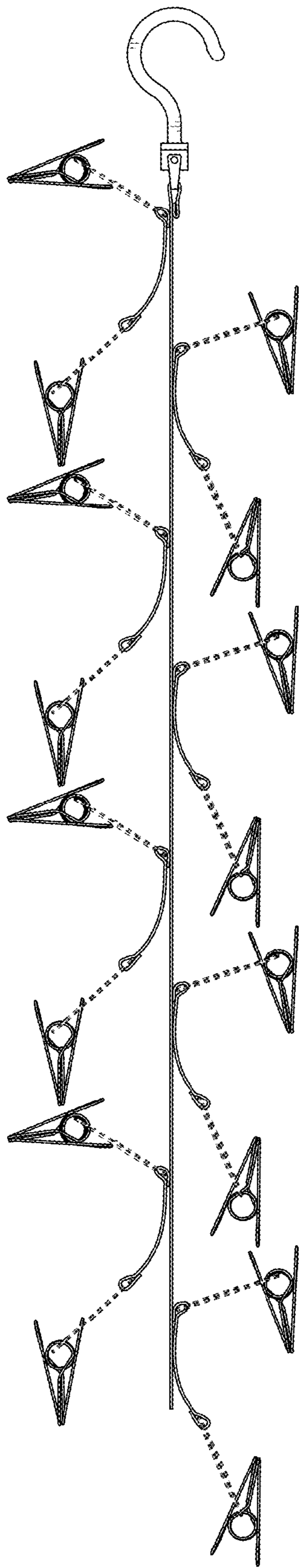


FIG. 2

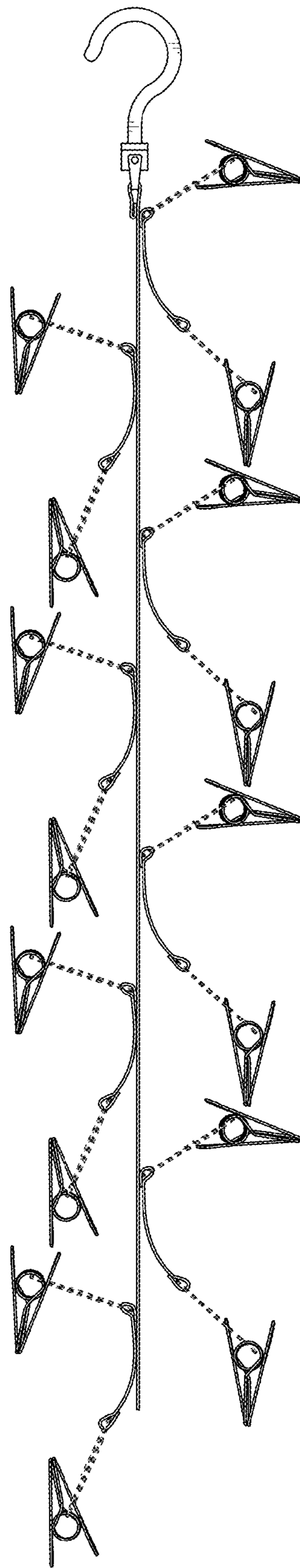


FIG. 3

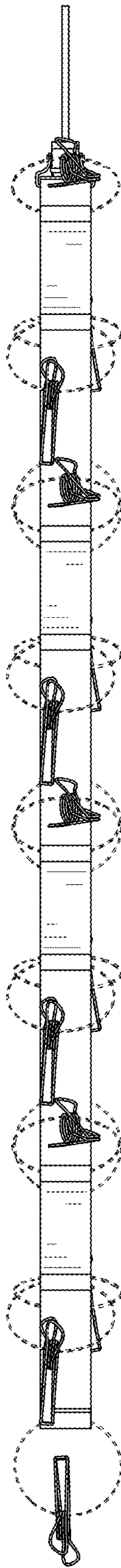


FIG. 4

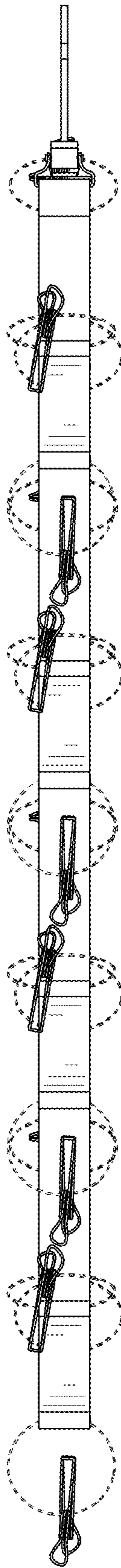


FIG. 5

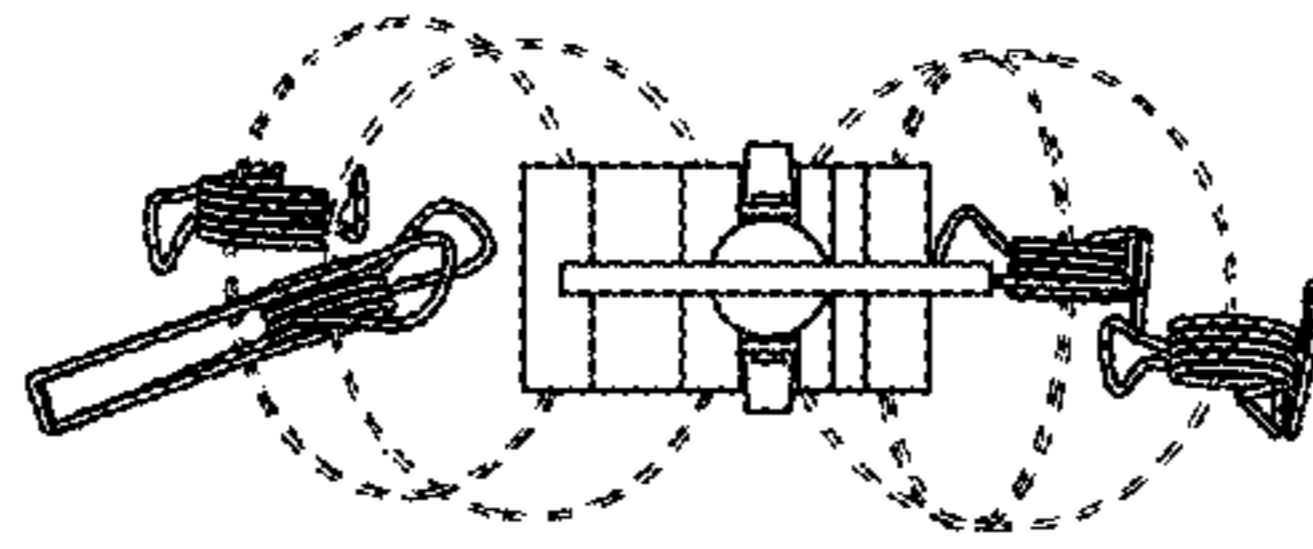


FIG. 6

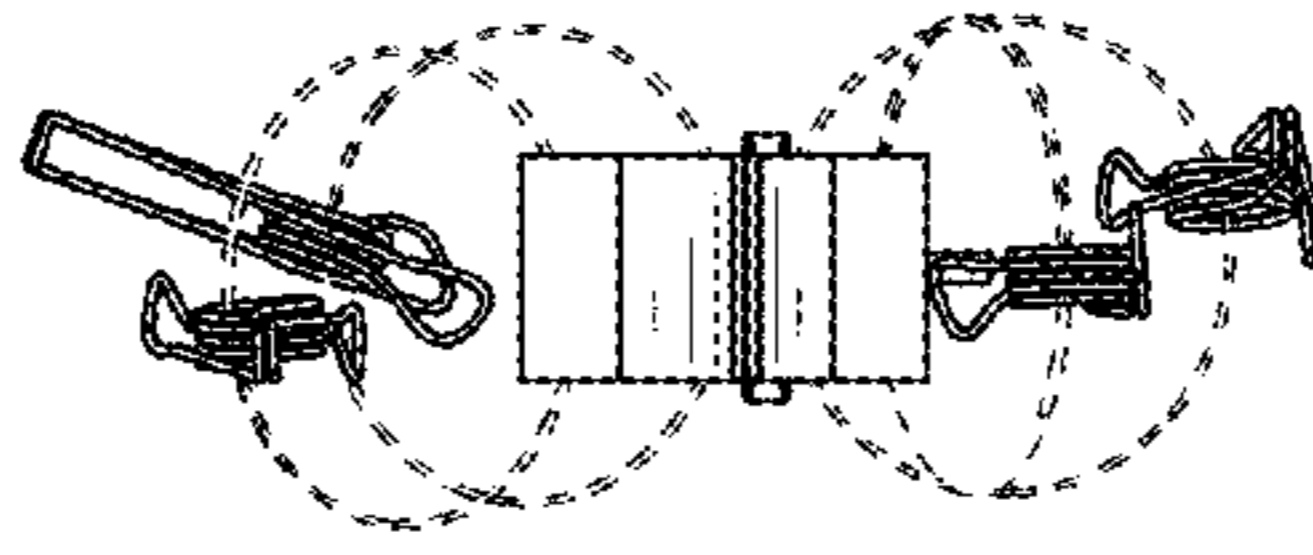


FIG. 7

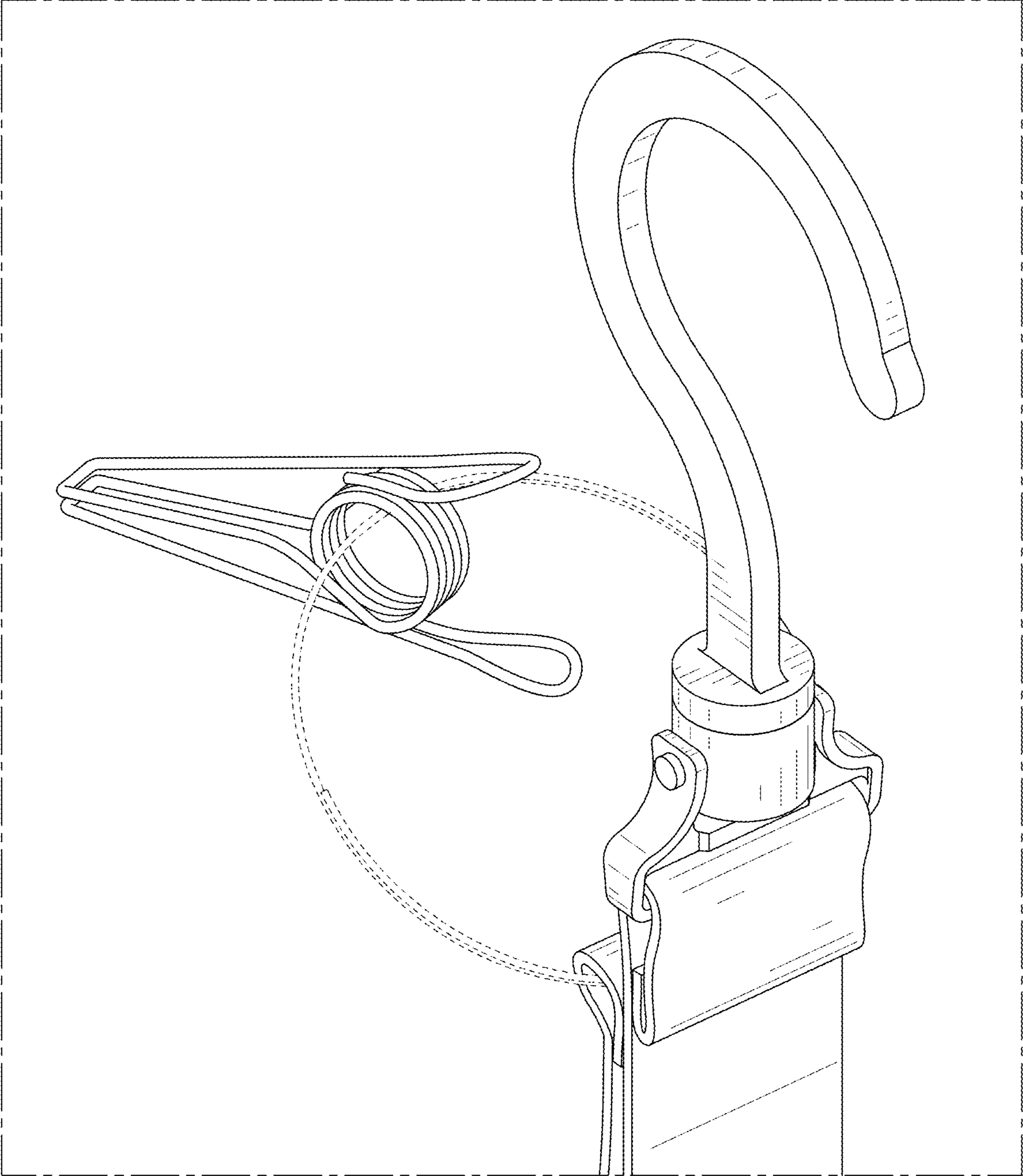


FIG. 8