



US0D1005526S

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

(10) **Patent No.:** **US D1,005,526 S**

(45) **Date of Patent:** **** Nov. 21, 2023**

(54) **LADDER**

(71) Applicant: **Fuling Ma**, Zhejiang (CN)

(72) Inventor: **Fuling Ma**, Zhejiang (CN)

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

(21) Appl. No.: **29/876,761**

(22) Filed: **May 26, 2023**

(51) **LOC (14) Cl.** **25-04**

(52) **U.S. Cl.**

USPC **D25/64**; D25/62; D25/63; D25/65

(58) **Field of Classification Search**

USPC D25/62-65, 68-69; 182/13, 20, 22-25,
182/26-29, 33, 33.3, 46, 96, 104, 106,
182/116-117, 120-122, 124-125, 127,
182/129, 131, 156, 163, 165, 168, 170,
182/172, 180.1, 200-201, 206, 216, 222,
182/228.2, 228.3

CPC E06C 1/32; E06C 1/38; E06C 1/39

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,280,691	A *	4/1942	Edelmann	.....	E06C 1/387
					182/176
3,085,652	A *	4/1963	Rich	.....	E06C 7/08
					182/216
3,446,311	A *	5/1969	Alfie	.....	E06C 1/387
					182/116
D243,019	S *	1/1977	Confer	.....	D25/64
D248,290	S *	6/1978	Guerette	.....	182/127
4,316,524	A *	2/1982	Lapeyre	.....	E06C 7/183
					182/99
4,494,626	A *	1/1985	Ast	.....	B62B 1/10
					182/20
D298,858	S *	12/1988	Andersson	.....	D25/124
D300,365	S *	3/1989	Wallick, Jr.	.....	D25/64
D388,882	S *	1/1998	Kain	.....	D25/64

D392,056	S *	3/1998	Wang	.....	D25/164
D397,228	S *	8/1998	Bell	.....	D25/65
D401,353	S *	11/1998	Bell	.....	D25/64
D410,550	S *	6/1999	Meyers	.....	D25/64
D414,879	S *	10/1999	Meyers	.....	D25/64
D433,156	S *	10/2000	Gibson	.....	D25/64
6,206,139	B1 *	3/2001	Bogart, Jr.	.....	E06C 1/39
					182/96
D442,289	S *	5/2001	Ziaylek, Jr.	.....	D25/64
D443,198	S *	6/2001	Snyder	.....	D25/164
6,427,805	B1 *	8/2002	Gibson	.....	E06C 1/387
					182/165
D465,289	S *	11/2002	Gibson	.....	D25/64

(Continued)

Primary Examiner — T Chase Nelson

Assistant Examiner — Sydney Margaret Parsley

(57) **CLAIM**

The ornamental design for a ladder, as shown and described.

DESCRIPTION

FIG. 1 is a front, top perspective view of a ladder, showing my new design;

FIG. 2 is a rear, bottom perspective view thereof;

FIG. 3 is a front elevation view thereof;

FIG. 4 is a rear elevation view thereof;

FIG. 5 is a left side elevation view thereof;

FIG. 6 is a right side elevation view thereof;

FIG. 7 is a top plan view thereof;

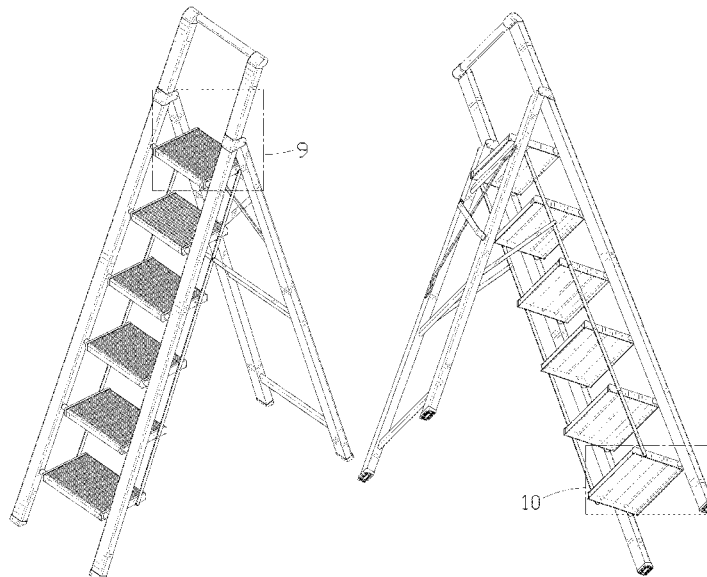
FIG. 8 is a bottom plan view thereof;

FIG. 9 is an enlarged view of detail "9" identified in FIG. 1; and,

FIG. 10 is an enlarged view of detail "10" identified in FIG. 2.

The dashed lines in the figures illustrate portions of the ladder that form no part of the claimed design. The dash dot dash lines in FIGS. 1, 2, 9 and 10 are for the purpose of illustrating the enlarged view indicators and form no part of the claimed design.

1 Claim, 10 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D523,155 S *	6/2006	Shoultz	.....	D25/64	2004/0251083 A1 *	12/2004	Leipziger	.....	E06C 1/39
D564,676 S *	3/2008	Farber	.....	D25/65					182/230
D576,290 S *	9/2008	Meyers	.....	D25/64	2005/0252721 A1 *	11/2005	Parker	.....	E06C 1/393
D620,132 S *	7/2010	Han	.....	D25/64					182/165
D624,200 S *	9/2010	Kieffer	.....	D25/65	2007/0284192 A1 *	12/2007	Meyers	.....	A47C 12/00
D649,685 S *	11/2011	Trzesniowski	.....	D26/138					182/129
D665,927 S *	8/2012	Kieffer	.....	D25/65	2008/0121462 A1 *	5/2008	Pucek	.....	E06C 1/39
D684,278 S *	6/2013	Kieffer	.....	D25/65					182/12
D796,063 S *	8/2017	Dettbarn	.....	D25/61	2008/0142301 A1 *	6/2008	Meyers	.....	E06C 7/14
D797,955 S *	9/2017	Wilbur	.....	D25/65					182/180.1
9,869,125 B2 *	1/2018	Simpson	.....	E06C 1/393	2009/0173576 A1 *	7/2009	Rosenthal	.....	E06C 7/14
D829,346 S *	9/2018	Moss	.....	D25/64					182/116
10,077,601 B2 *	9/2018	Leng	.....	E06C 1/393	2011/0024234 A1 *	2/2011	Lin	.....	E06C 1/387
D838,386 S *	1/2019	Woodward	.....	D25/64					182/161
D840,055 S *	2/2019	Skubic	.....	D25/64	2011/0209946 A1 *	9/2011	Leng	.....	E06C 7/083
D872,875 S *	1/2020	Dettbarn	.....	D25/61					182/129
D888,994 S *	6/2020	Lang	.....	D25/65	2012/0073902 A1 *	3/2012	Honeycutt	.....	E04G 1/17
D889,689 S *	7/2020	Russell	.....	D25/64					182/113
D889,690 S *	7/2020	Lang	.....	D25/65	2013/0186710 A1 *	7/2013	Moss	.....	E06C 7/185
D898,944 S *	10/2020	Green	.....	D25/64					182/104
D908,924 S *	1/2021	Melton	.....	D25/64	2013/0292205 A1 *	11/2013	Frick	.....	E06C 7/42
D912,277 S *	3/2021	Feng	.....	D25/65					182/156
D920,541 S *	5/2021	Mittanck	.....	D25/64	2014/0224585 A1 *	8/2014	Russell	.....	E06C 1/18
D921,224 S *	6/2021	Mittanck	.....	D25/64					182/180.1
11,149,493 B2 *	10/2021	Boyer	.....	E06C 7/182	2015/0114755 A1 *	4/2015	Eames	.....	E06C 1/38
D953,074 S *	5/2022	Lin	.....	D6/675.3					182/207
11,391,089 B2 *	7/2022	Wernberg	.....	E06C 7/42	2015/0159434 A1 *	6/2015	Leng	.....	E06C 1/393
D968,107 S *	11/2022	Johnson	.....	D6/350					182/163
D970,045 S *	11/2022	Mittanck	.....	E06C 7/183	2015/0308190 A1 *	10/2015	Skubic	.....	E06C 1/393
				D25/64					182/124
D970,046 S	11/2022	Mittanck et al.			2018/0148977 A1 *	5/2018	Leng	.....	E06C 1/393
D972,169 S *	12/2022	Yan	.....	E06C 1/387	2019/0145171 A1 *	5/2019	Frensey	.....	E06C 7/165
				D25/65					182/120
D987,118 S *	5/2023	Kroeger	.....	E06C 7/08	2020/0190905 A1 *	6/2020	Foley	.....	E06C 7/16
				D25/63	2022/0195800 A1 *	6/2022	Foley	.....	E06C 1/393
					2023/0228148 A1 *	7/2023	Li	.....	E06C 1/32
									182/23

* cited by examiner

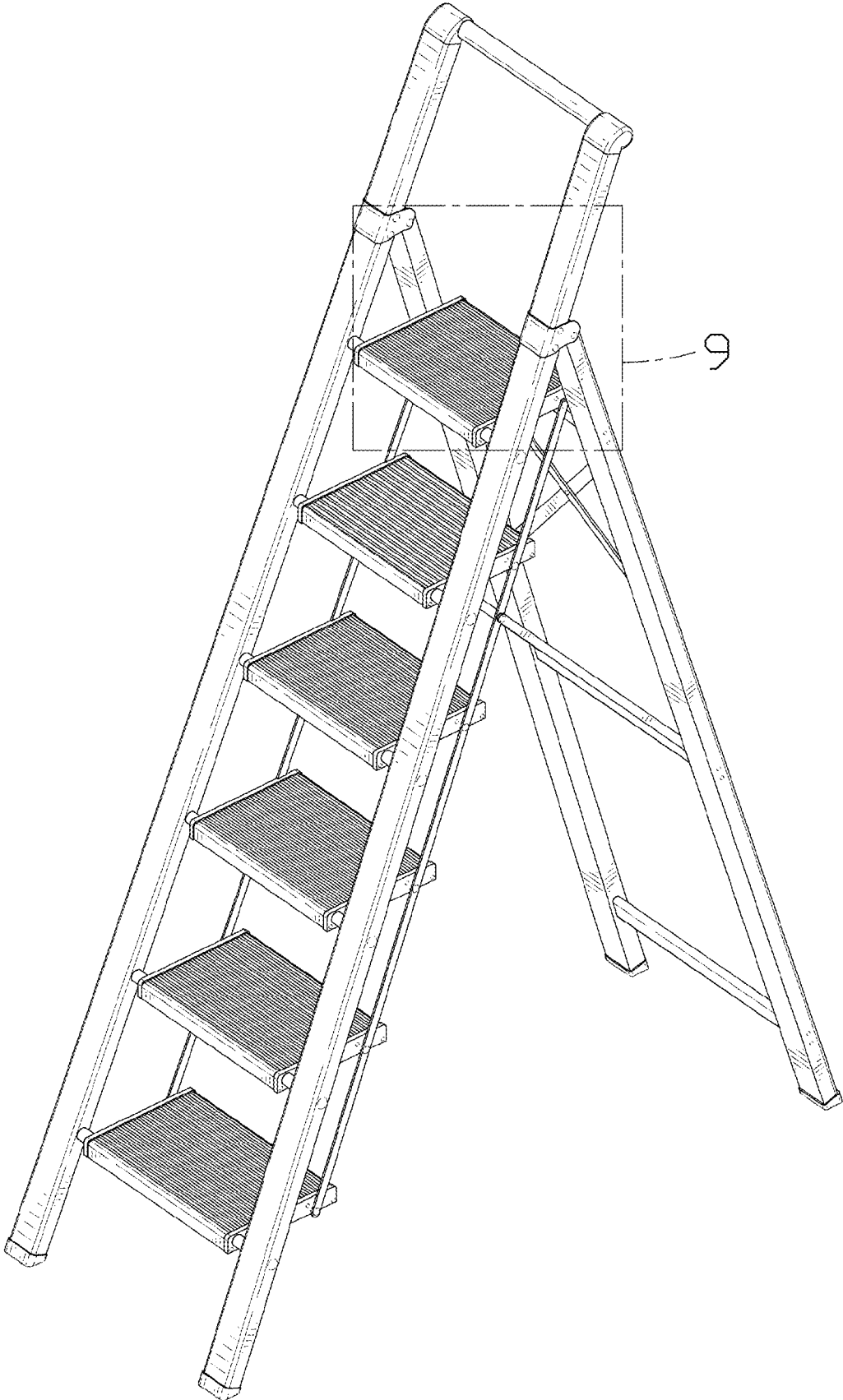


FIG. 1

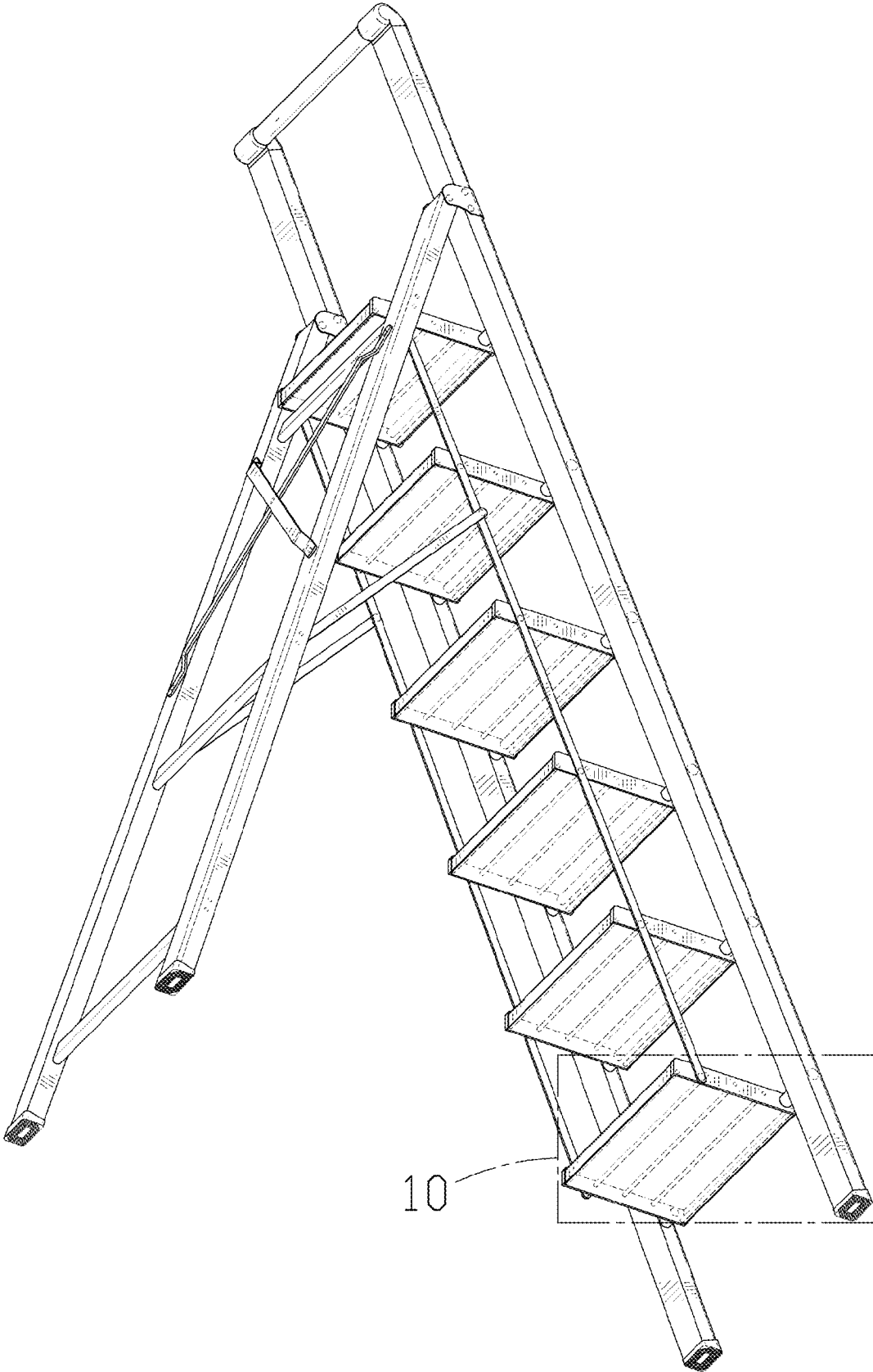


FIG. 2

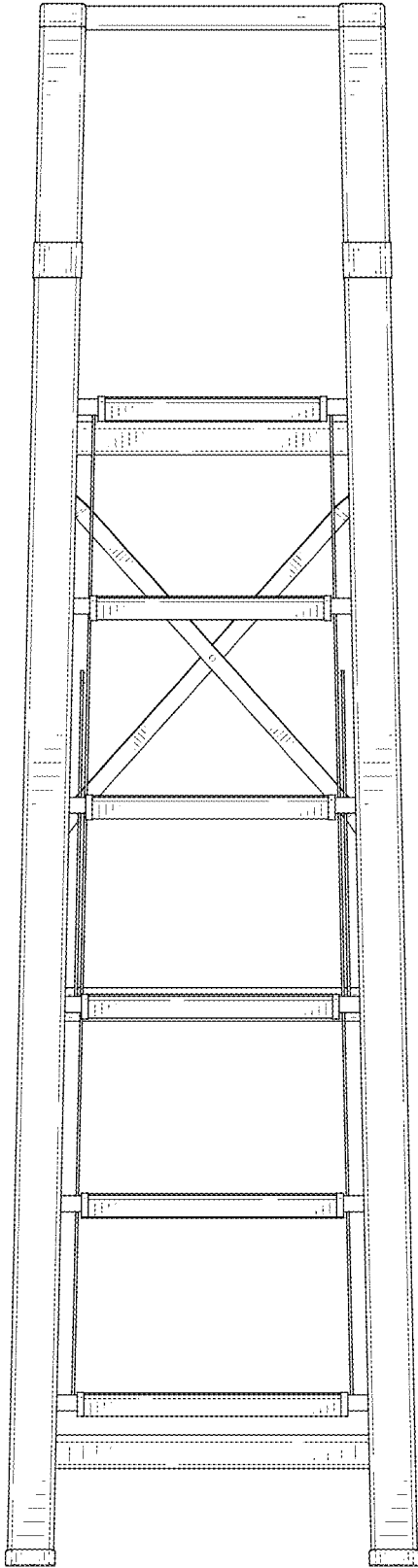


FIG. 3

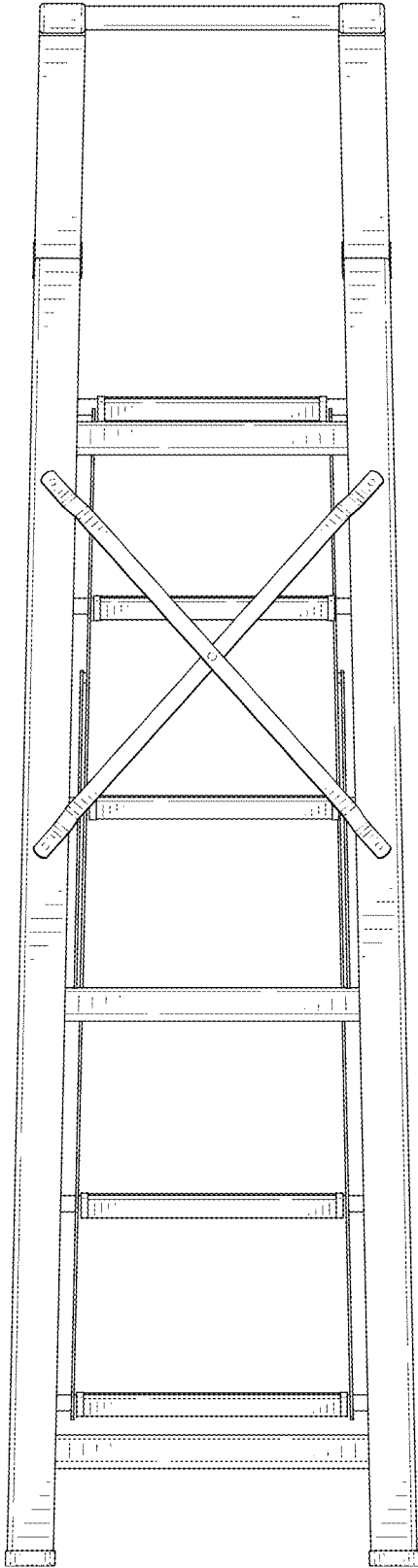


FIG. 4

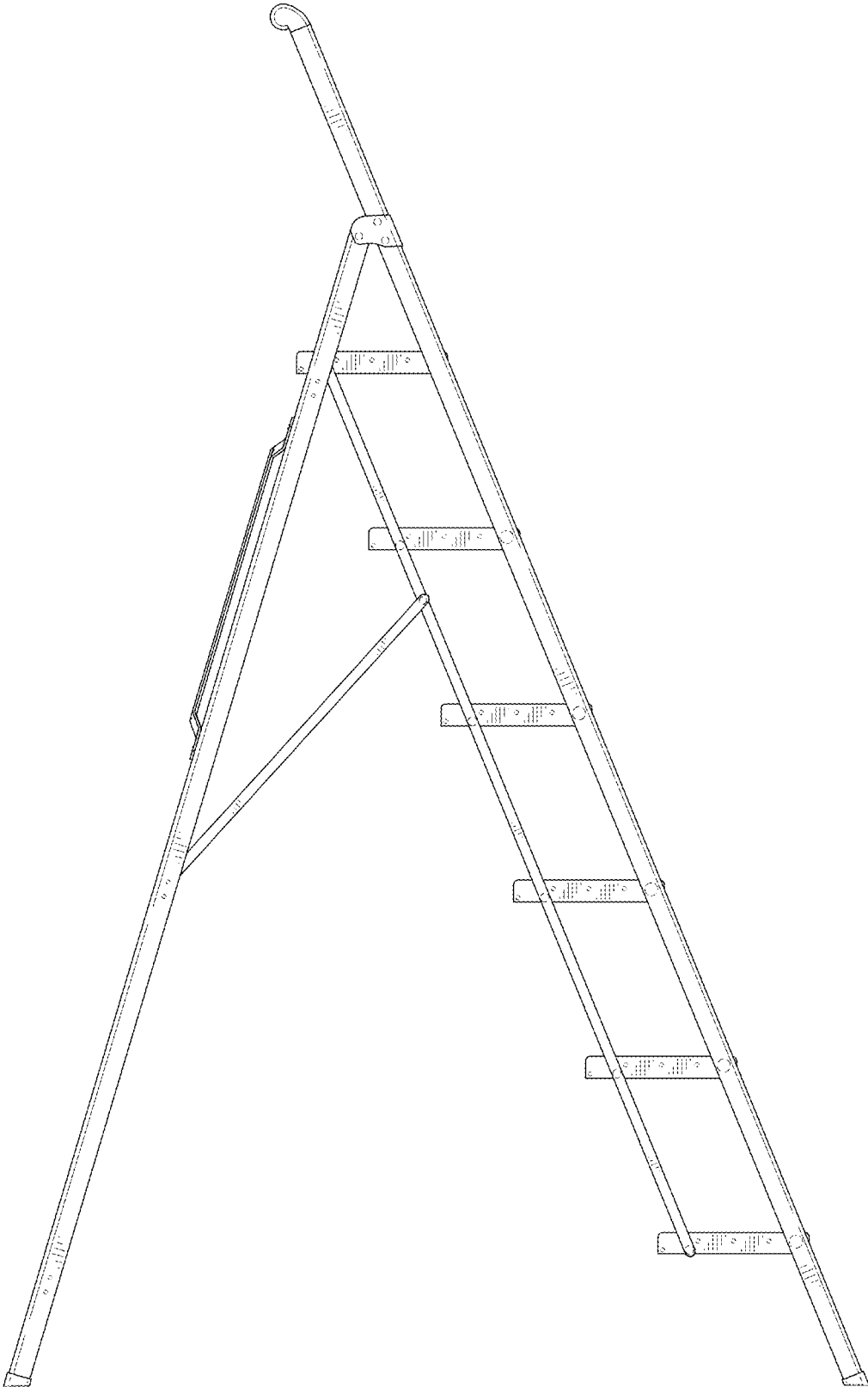


FIG. 5

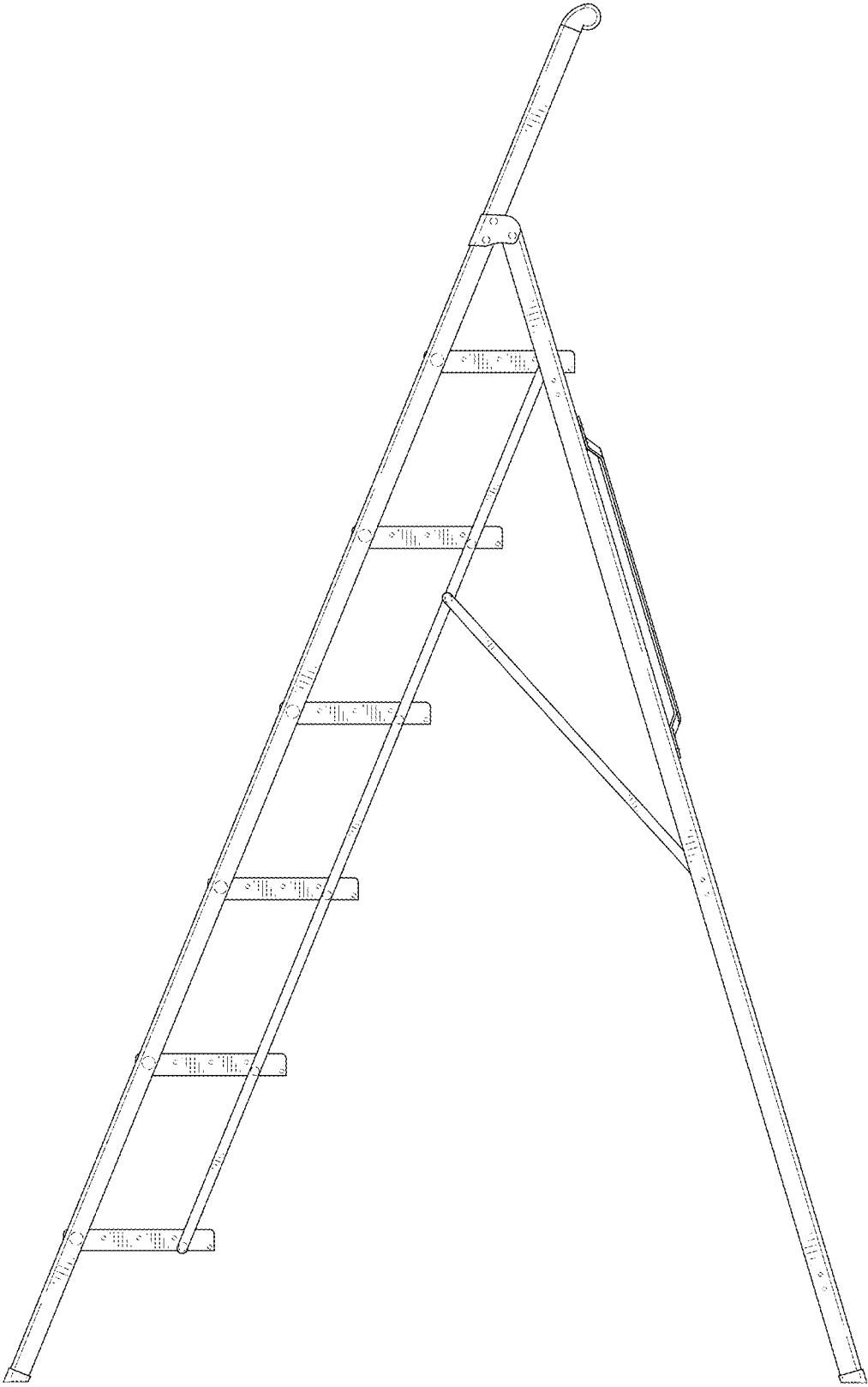


FIG. 6

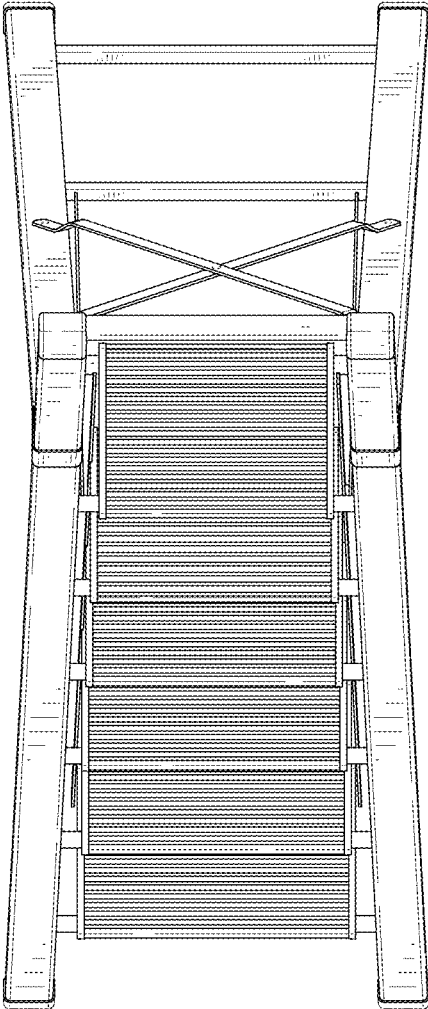


FIG. 7

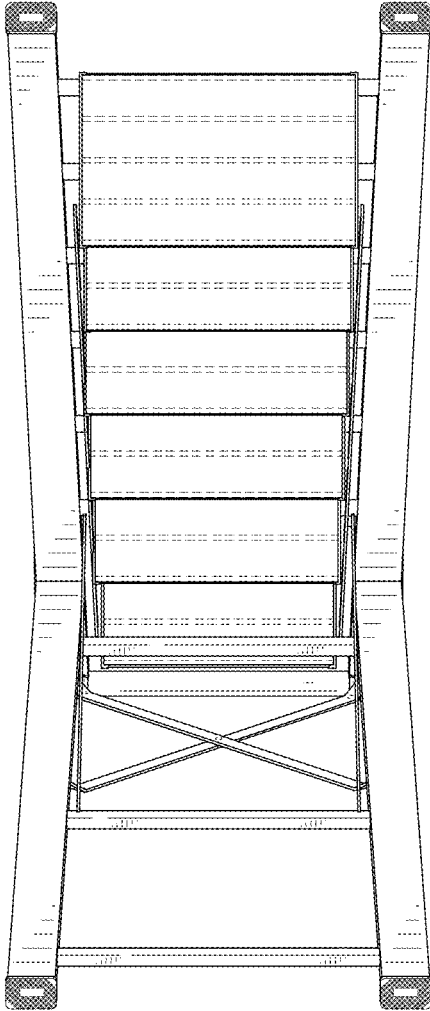


FIG. 8

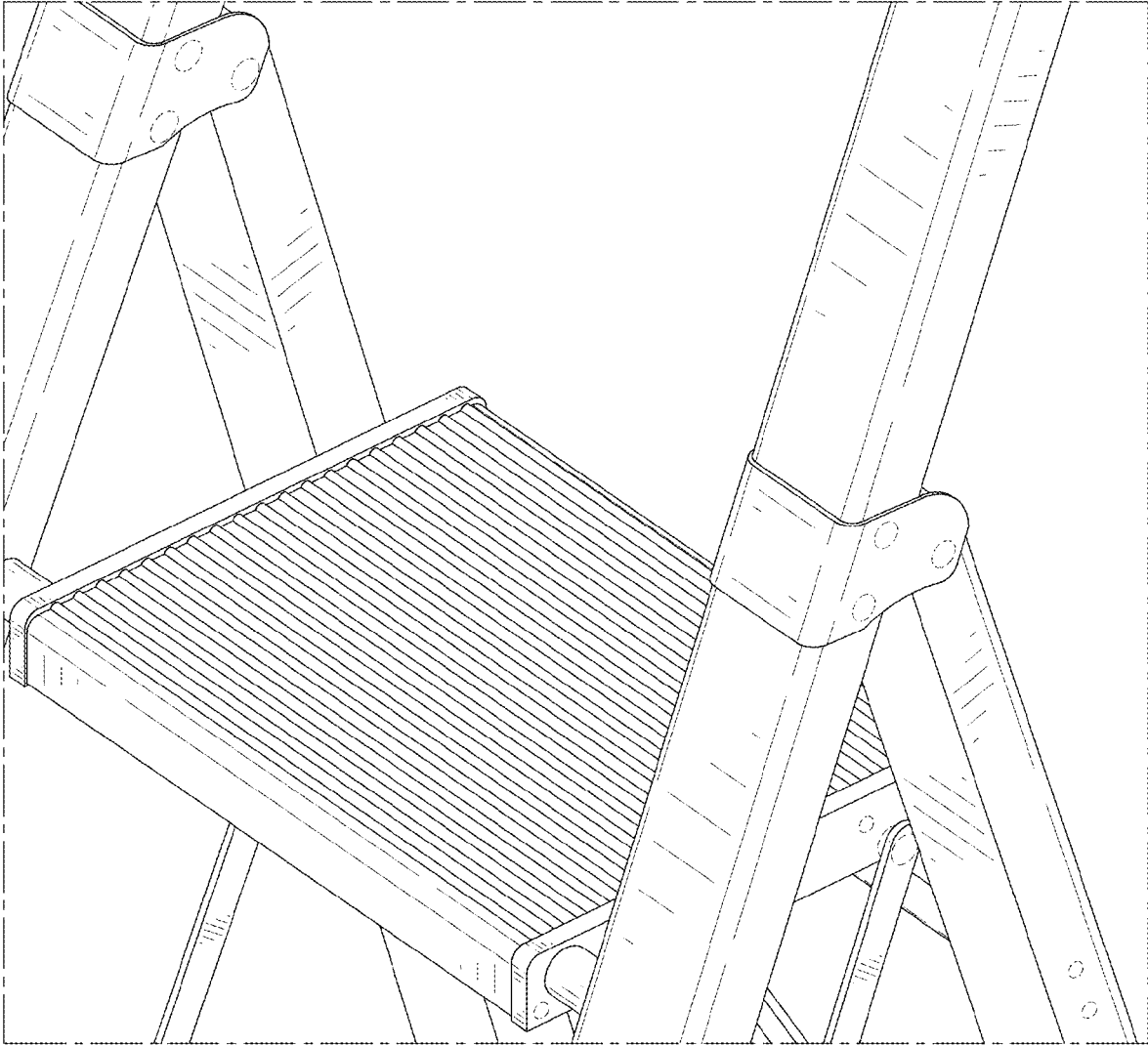


FIG. 9

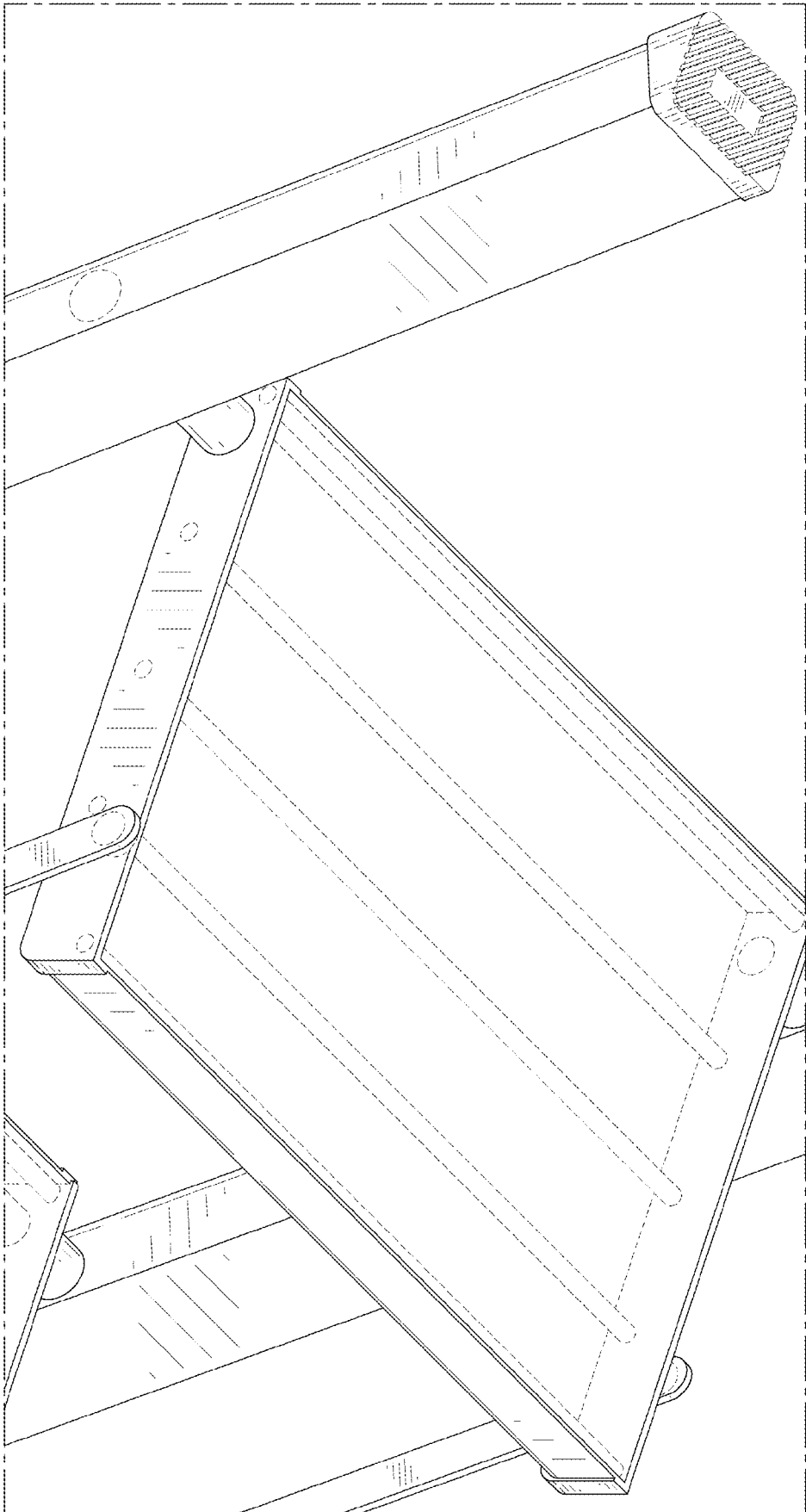


FIG. 10