



US0D1092167S

(12)

United States Design Patent

Fu et al.

(10)

Patent No.:

US D1,092,167 S

(45)

Date of Patent:

** Sep. 9, 2025

(54)	LOCKING PLIERS	6,212,979	B1 *	4/2001	Wang	B25B 7/123	30/340
(71)	Applicant: Apex Brands, Inc., Apex, NC (US)	D462,247	S *	9/2002	Hackman	D8/52	
(72)	Inventors: Zhihong Fu, Cary, NC (US); Jonathan Eziquiel-Shriro, St. Louis, MO (US)	6,591,719	B1 *	7/2003	Poole	B25B 7/123	81/370
(73)	Assignee: Apex Brands, Inc., Apex, NC (US)	6,966,243	B1	11/2005	Liao		
(**)	Term: 15 Years	7,146,887	B2 *	12/2006	Hunter	B25B 7/123	81/367
(21)	Appl. No.: 29/925,622	7,472,632	B2	1/2009	Engvall et al.		
(22)	Filed: Jan. 25, 2024	D599,637	S	9/2009	Valencia		
		D623,493	S *	9/2010	Anderson	D8/52	
		8,024,998	B1	9/2011	Valencia		
		D650,252	S *	12/2011	Albertson	D8/26	
		D651,060	S	12/2011	Chervenak et al.		
		D653,092	S *	1/2012	Carra	D8/52	
		9,216,494	B2	12/2015	Lai		
		D771,456	S	11/2016	Hyma		
		D799,927	S	10/2017	Wu		
		D803,021	S	11/2017	Wu		

Related U.S. Application Data

- (62) Division of application No. 29/795,055, filed on Jun. 16, 2021, now Pat. No. Des. 1,018,231.
- (51) LOC (15) Cl. 08-05
- (52) U.S. Cl. USPC D8/107
- (58) Field of Classification Search USPC D8/4, 5, 14, 15, 22, 23, 51-56, 58-60, D8/70, 71, 81, 104-107; D22/149, 150; D24/133, 148, 153 CPC B25B 7/123; B25B 7/12; B25B 7/00 See application file for complete search history.

References Cited

U.S. PATENT DOCUMENTS

(56)	2,853,910	A *	9/1958	Petersen	B25B 7/123	81/379
	3,285,107	A *	11/1966	Kasper	B25B 7/123	81/368
	3,854,354	A	12/1974	Angquest		
	D260,476	S *	9/1981	Knaus	D8/74	
	4,730,524	A	3/1988	Petersen		
	5,609,080	A *	3/1997	Flavigny	B25B 7/123	81/368
	D428,317	S	7/2000	Lin		

(Continued)

Primary Examiner — Leah Macchiarolo
Assistant Examiner — Christina Gabrielle Cosden
(74) Attorney, Agent, or Firm — Burr & Forman

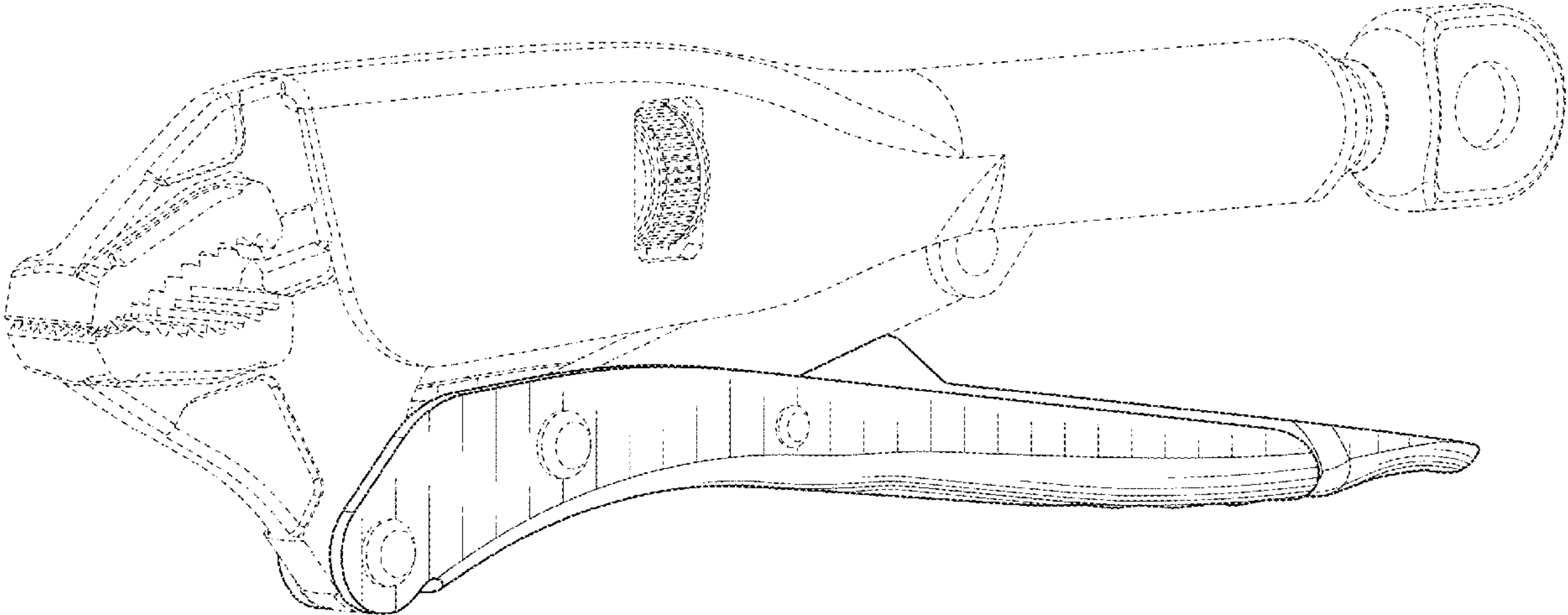
CLAIM

The ornamental design for the locking pliers, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a locking pliers in accordance with the present invention;
FIG. 2 is a front view of the locking pliers of FIG. 1;
FIG. 3 is a rear view of the locking pliers of FIG. 1;
FIG. 4 is a right side view of the locking pliers of FIG. 1;
FIG. 5 is a left side view of the locking pliers of FIG. 1;
FIG. 6 is a top view of the locking pliers of FIG. 1; and,
FIG. 7 is a bottom view of the locking pliers of FIG. 1.
The broken lines of the locking pliers in FIGS. 1-7 are illustrative of portions of the locking pliers that form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D835,486	S	12/2018	Wu	
D901,999	S	11/2020	Batho et al.	
D910,395	S	2/2021	Blumenthal et al.	
10,940,576	B2	3/2021	Wang	
D951,731	S	5/2022	Blumenthal et al.	
11,364,596	B2 *	6/2022	Lee	B25B 7/123
D1,000,237	S *	10/2023	Kaiser	D8/52
D1,018,231	S *	3/2024	Fu	D8/52
D1,046,580	S *	10/2024	Blumenthal	D8/52
12,168,286	B2 *	12/2024	Wu	B25B 7/123
12,237,635	B1 *	2/2025	Lin	B25B 7/12
2010/0018362	A1	1/2010	Chervenak et al.	
2012/0167728	A1 *	7/2012	Miramontes	A62B 35/0068 81/324
2015/0000477	A1	1/2015	Wu	
2015/0239102	A1	8/2015	Wu	
2015/0246433	A1	9/2015	Wu	
2015/0283681	A1	10/2015	Wu	
2016/0039072	A1	2/2016	Wu	
2017/0203413	A1	7/2017	Wu	
2017/0203414	A1	7/2017	Wu	
2019/0076994	A1	3/2019	Blumenthal et al.	
2020/0094382	A1	3/2020	Blumenthal et al.	
2020/0331123	A1	10/2020	Wu	
2021/0194198	A1	6/2021	Weisheit et al.	
2022/0234172	A1	7/2022	Eggert et al.	

* cited by examiner

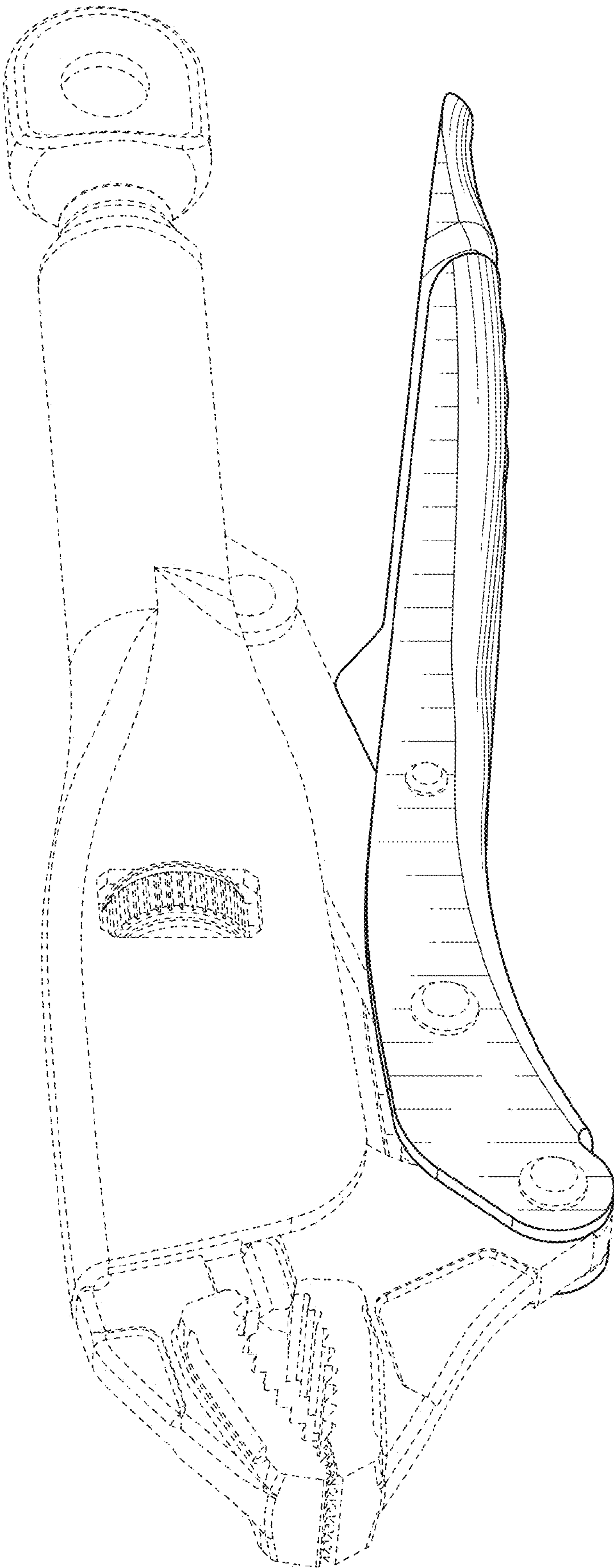


FIG. 1

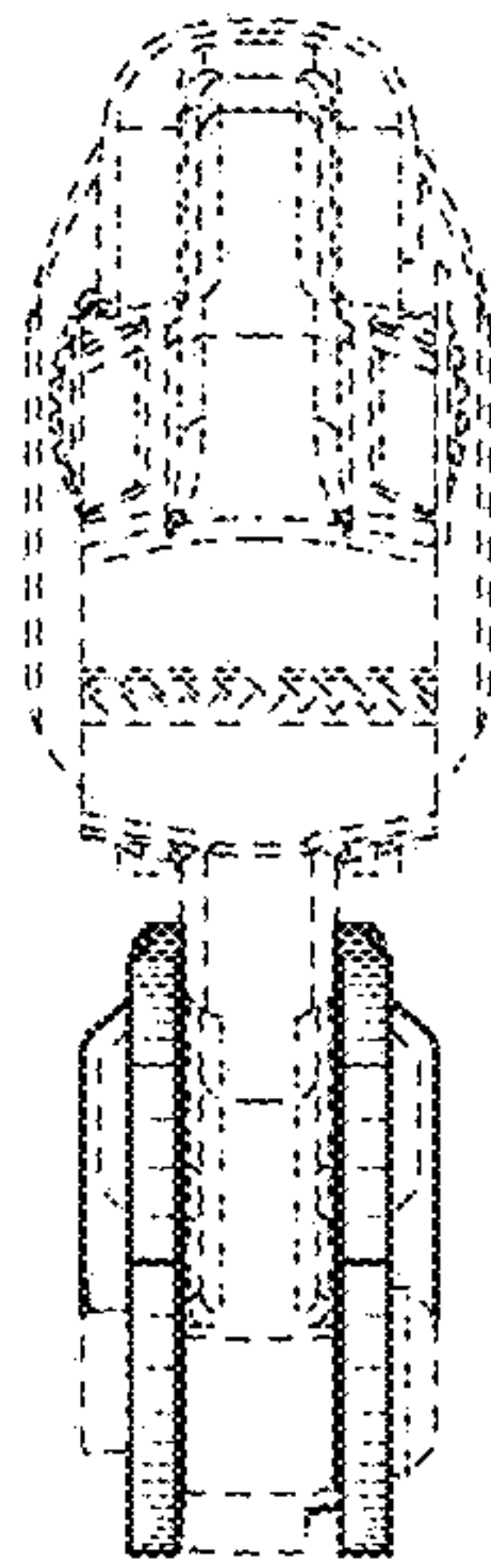


FIG. 2

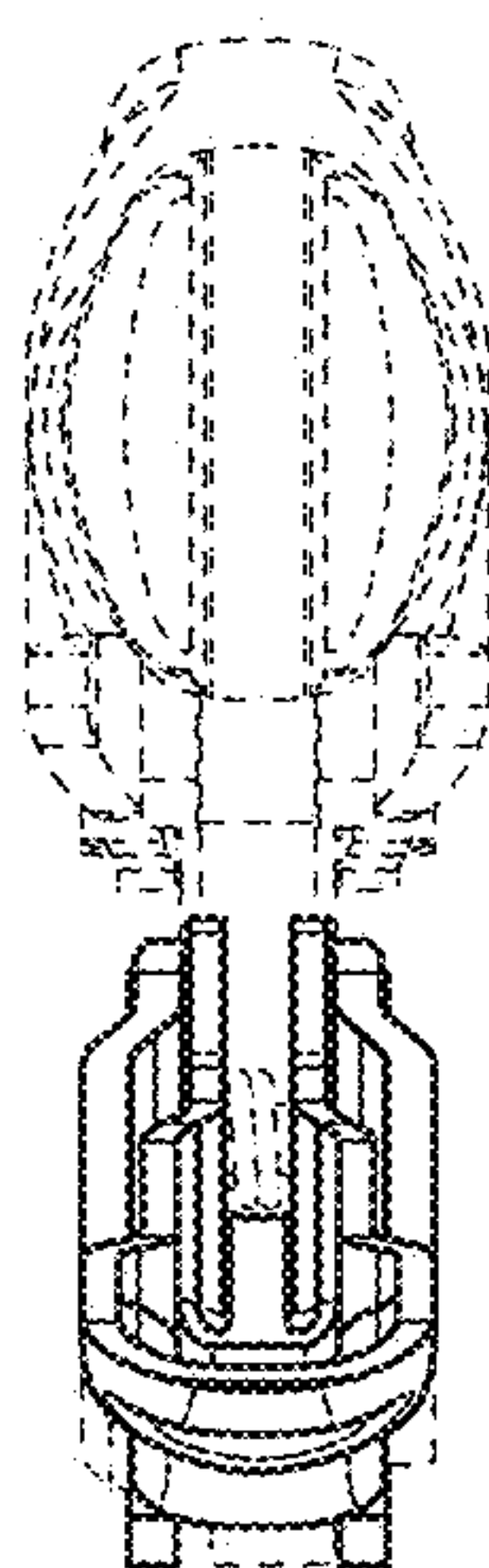


FIG. 3

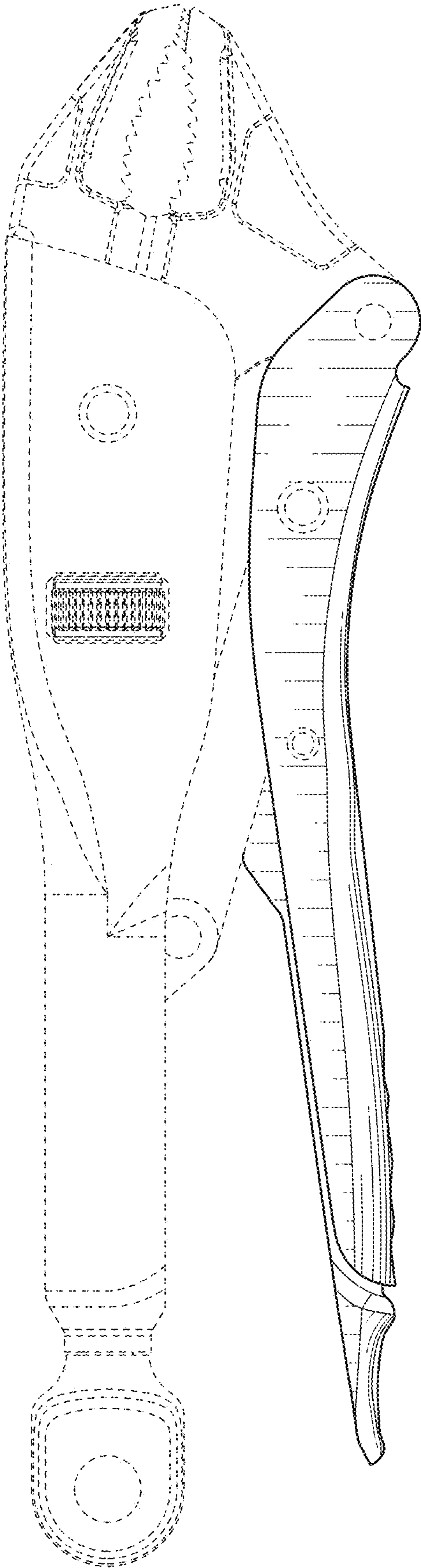


FIG. 4

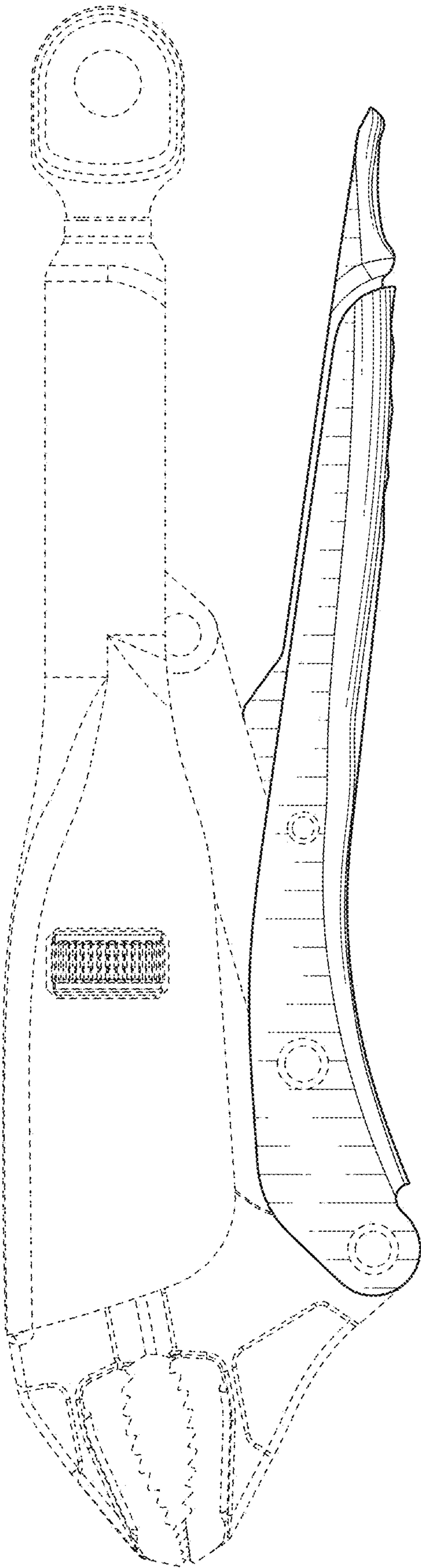


FIG. 5



FIG. 6

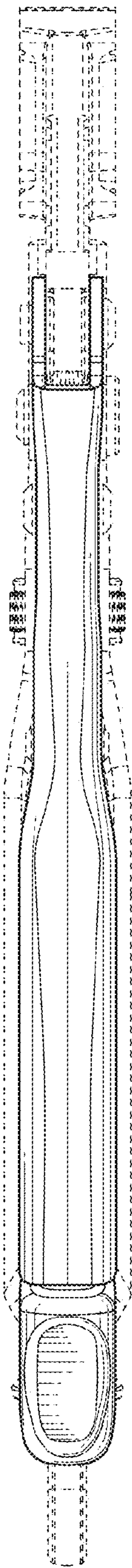


FIG. 7