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(12) **United States Design Patent**
Koros et al.

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(54) **MEDICAL RETRACTOR**

FOREIGN PATENT DOCUMENTS

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DE M95046210001 12/1995

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OTHER PUBLICATIONS

Office Action dated Sep. 14, 2023 for U.S. Appl. No. 29/841,464 (pp. 1-7).

(73) Assignee: **Koros USA, Inc.**, Moorpark, CA (US)

(Continued)

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

Primary Examiner — Bridget L Eland

(21) Appl. No.: **29/924,692**

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(22) Filed: **Jan. 19, 2024**

(57) **CLAIM**

Related U.S. Application Data

The ornamental design for a medical retractor as shown and described herein.

(63) Continuation of application No. 29/841,464, filed on Jun. 6, 2022, now Pat. No. Des. 1,042,827.

(51) **LOC (15) Cl.** **24-02**

(52) **U.S. Cl.** **D24/135**
USPC **D24/135**

(58) **Field of Classification Search**
USPC D24/135, 133, 112, 113, 129, 137, 138, D24/140

CPC A61B 17/02; A61B 17/0206
See application file for complete search history.

DESCRIPTION

FIG. 1 is a top, front, right side perspective view of a medical retractor according to the present invention; FIG. 2 is a front elevation view of the medical retractor shown in FIG. 1.

FIG. 3 is a rear elevation view of the medical retractor shown in FIG. 1.

FIG. 4 is a left side elevation view of the medical retractor shown in FIG. 1.

FIG. 5 is a right side elevation view of the medical retractor shown in FIG. 1.

FIG. 6 is a top plan view of the medical retractor shown in FIG. 1.

FIG. 7 is a bottom plan view of the medical retractor shown in FIG. 1; and,

FIG. 8 is a top, front, right side perspective view of the medical retractor shown in FIG. 1 in an alternative position. The broken lines in the drawings show portions of the medical retractor that form no part of the claimed design.

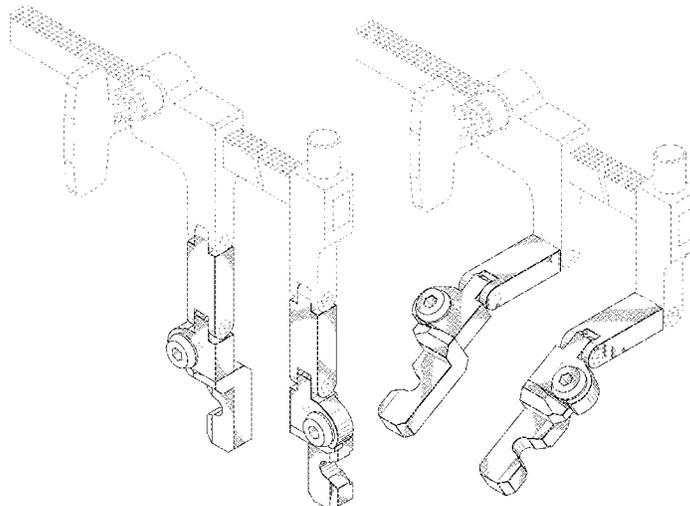
(56) **References Cited**

U.S. PATENT DOCUMENTS

D319,502	S	8/1991	Michelson
5,363,841	A	11/1994	Coker
D361,381	S	8/1995	Koros
D380,548	S	7/1997	Koros
D396,285	S	7/1998	Koros
5,795,291	A	8/1998	Koros
D399,955	S	10/1998	Koros
5,928,139	A	7/1999	Koros
5,944,658	A	8/1999	Koros
6,139,493	A	10/2000	Koros
7,618,424	B2	11/2009	Wilcox

(Continued)

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

9,113,853	B1	8/2015	Casey	
D797,930	S	9/2017	Khaw	
D813,386	S	3/2018	Khaw	
D958,337	S	7/2022	Sykes	
D1,042,827	S	* 9/2024	Koros D24/135
2007/0055109	A1	3/2007	Bass	
2007/0055110	A1	3/2007	Bass	
2012/0271119	A1	10/2012	White	

OTHER PUBLICATIONS

Koros USA, The Wayback Machine, Publication Date: Mar. 9, 2020, [online], [retrieved on Sep. 8, 2023]. Retrieved from Internet <URL: [uhttps://web.archive.org/web/20200309073606/http://surgical-instruments.com.au/SIA/Koros.html](https://web.archive.org/web/20200309073606/http://surgical-instruments.com.au/SIA/Koros.html)>.

* cited by examiner

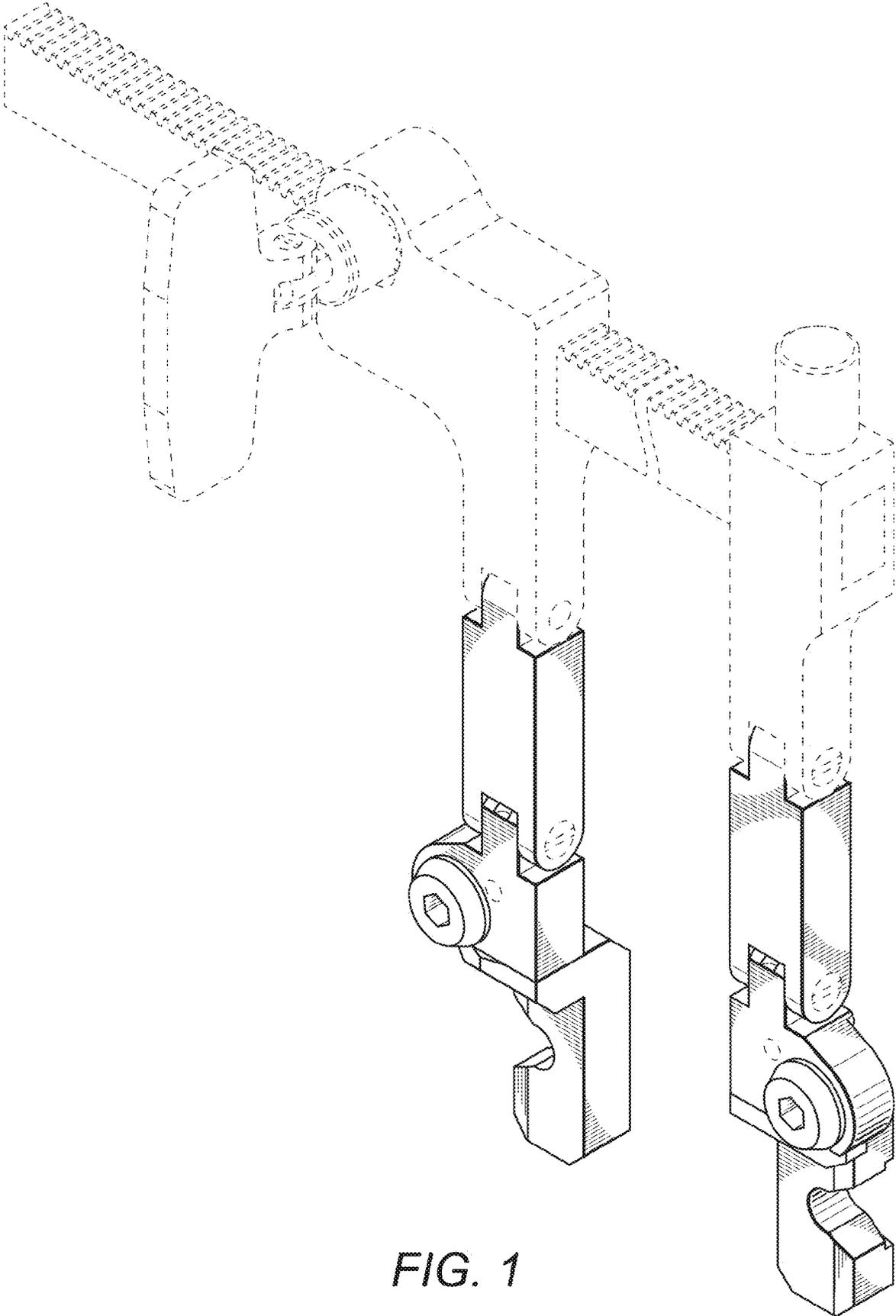


FIG. 1

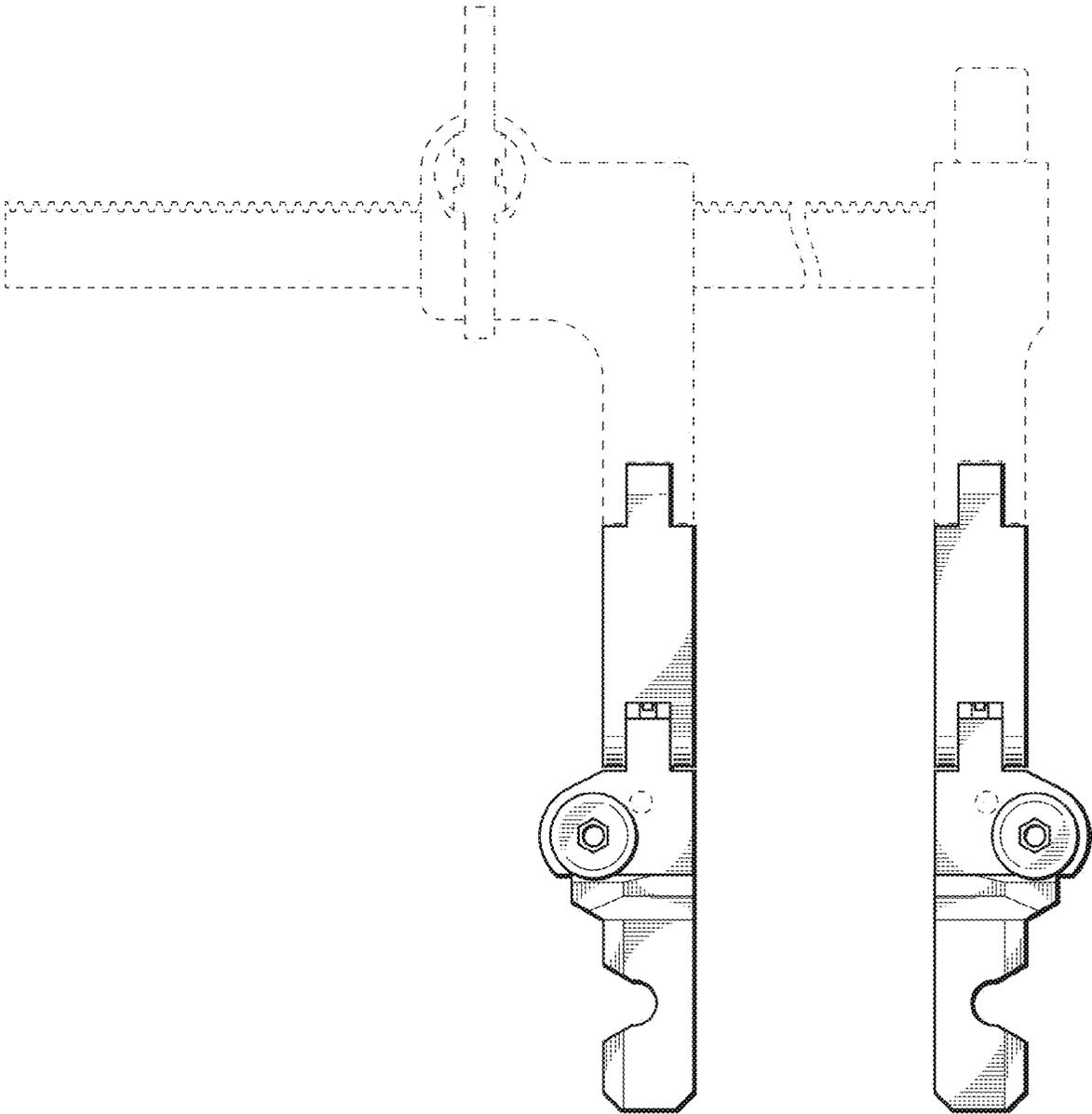


FIG. 2

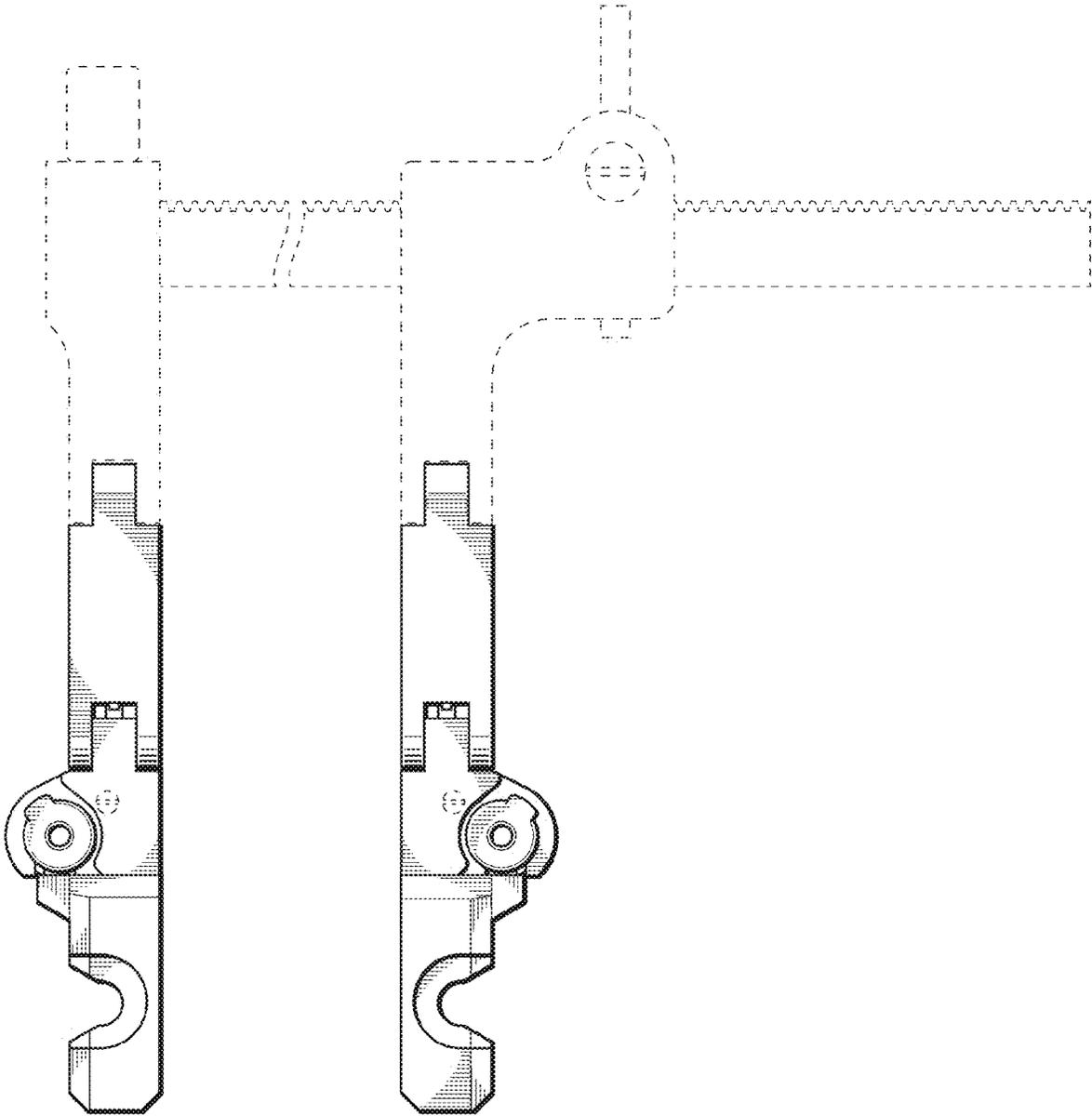


FIG. 3

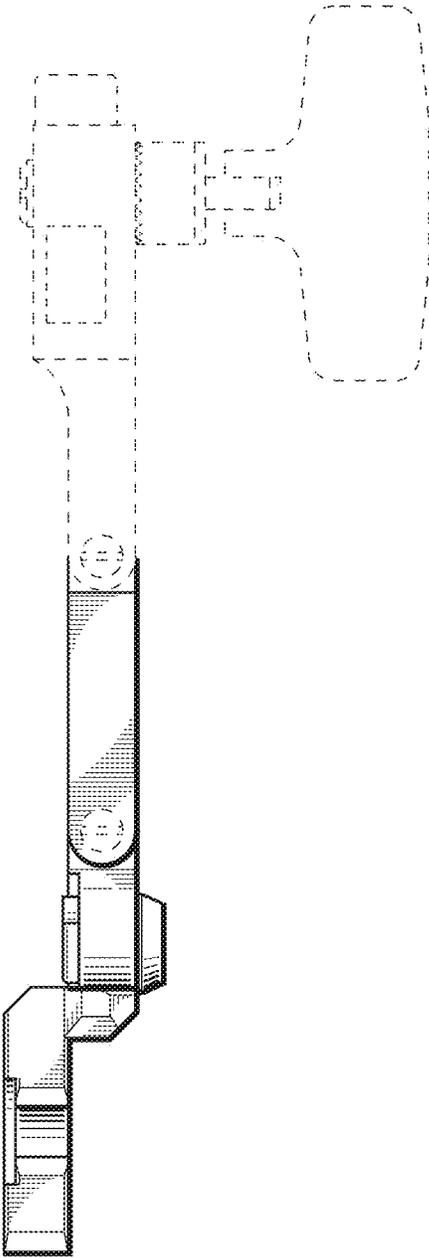


FIG. 4

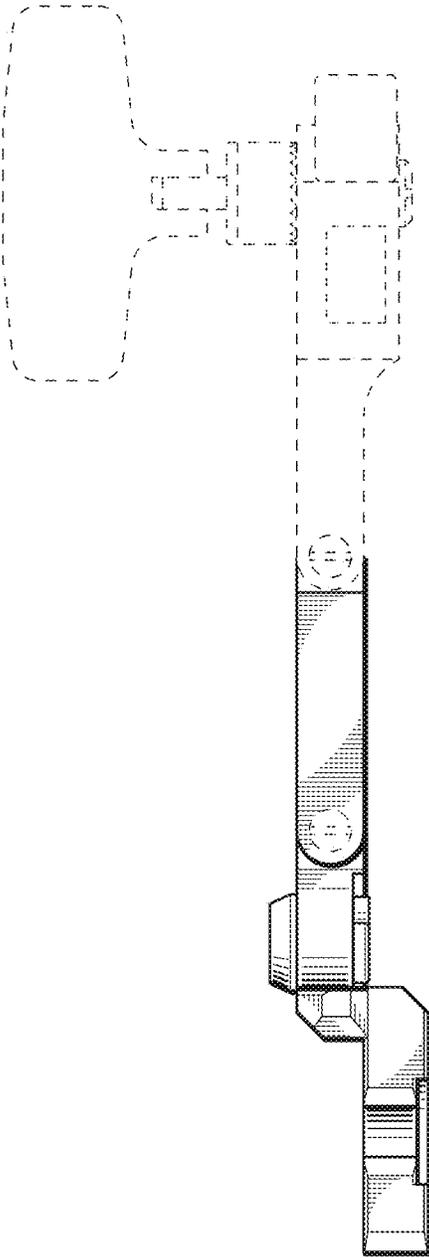


FIG. 5

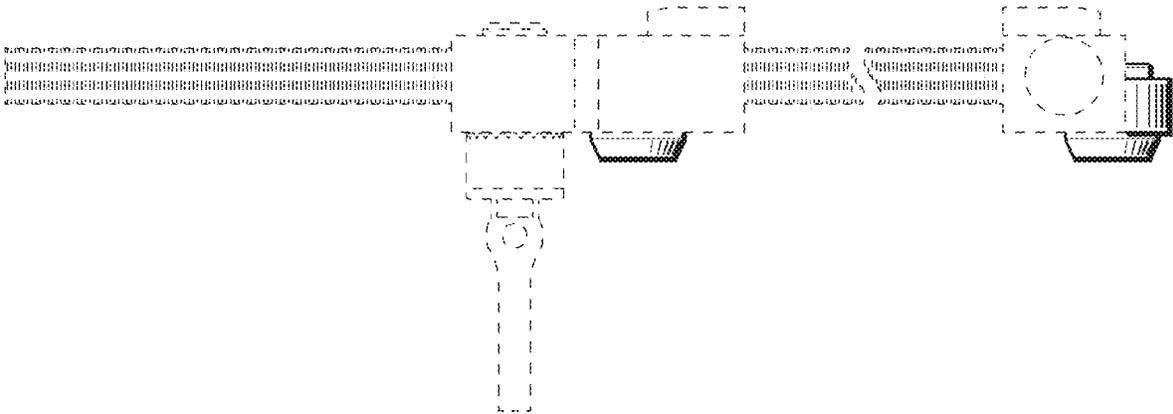


FIG. 6

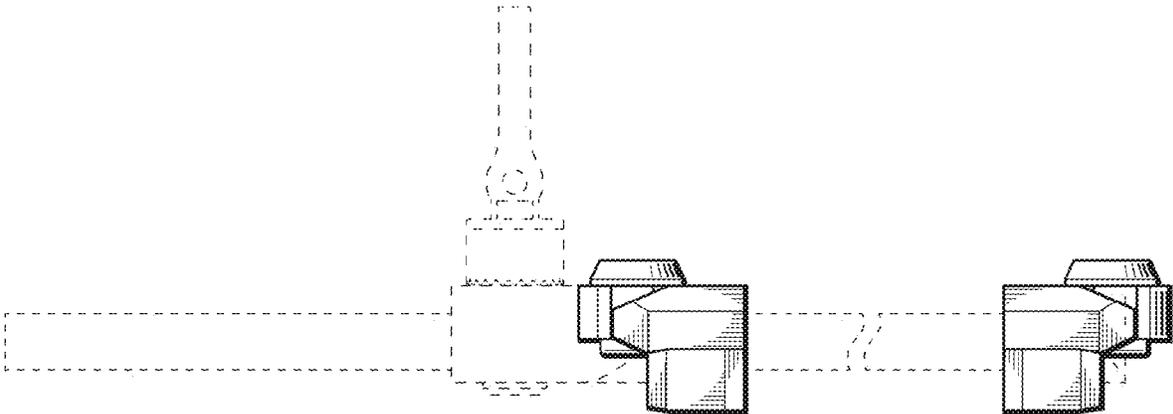


FIG. 7

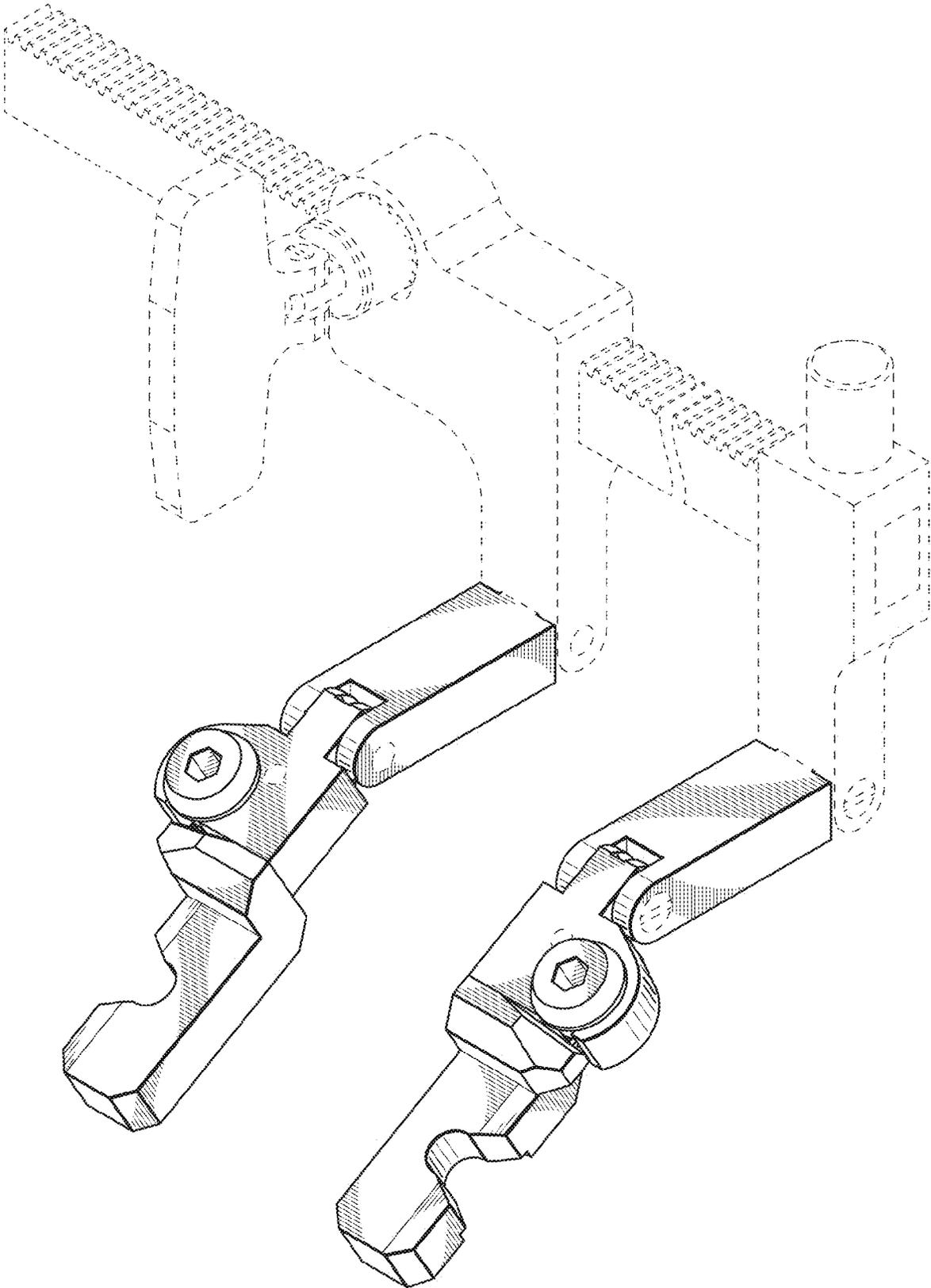


FIG. 8