



US00D715121S

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

(10) **Patent No.:** **US D715,121 S**  
(45) **Date of Patent:** **\*\* Oct. 14, 2014**

(54) **PLIERS**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **Chiu-Chi Lai**, Taichung (TW)

TW M463169 10/2013

(72) Inventor: **Chiu-Chi Lai**, Taichung (TW)

OTHER PUBLICATIONS

(\*\*) Term: **14 Years**

The Tool Connection Ltd, Hose Clamp Pliers 0-38mm, Jun. 18, 2014, Laser, (online), <[http://www.lasertools.co.uk/pis/5899\\_PIS.pdf](http://www.lasertools.co.uk/pis/5899_PIS.pdf)>.\*

(21) Appl. No.: **29/472,791**

\* cited by examiner

(22) Filed: **Nov. 15, 2013**

*Primary Examiner* — Deanna L Pratt

(51) **LOC (10) Cl.** ..... **08-05**

*Assistant Examiner* — Harold Blackwell, II

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

(74) *Attorney, Agent, or Firm* — Muncy, Geissler, Olds & Lowe, P.C.

USPC ..... **D8/52**

(58) **Field of Classification Search**

(57) **CLAIM**

CPC ..... B25B 25/005; B25B 7/02  
USPC ..... D8/4, 98, 71, 72, 52, 54, 55, 56, 58,  
D8/107, 395; 81/3.6, 300, 314, 315-317,  
81/329, 342, 385, 415-427.5, 9.3; 269/6

I claim the ornamental design for pliers, as shown and described.

See application file for complete search history.

**DESCRIPTION**

(56) **References Cited**

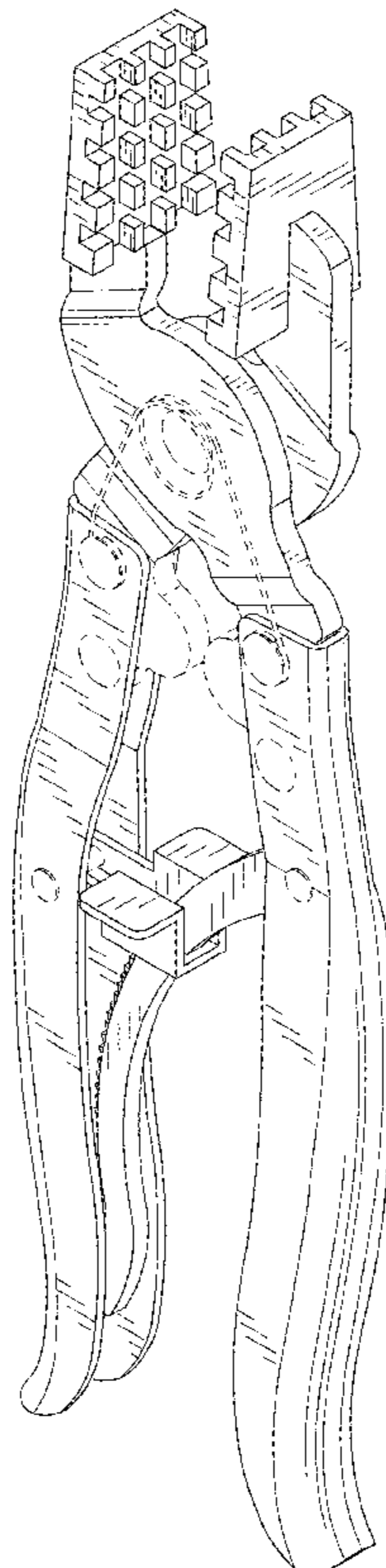
FIG. 1 is a perspective view of pliers showing my new design; FIG. 2 is a front elevational view thereof; FIG. 3 is a rear elevational view thereof; FIG. 4 is a left side view thereof; FIG. 5 is a right side view thereof; FIG. 6 is a top plan view thereof; and, FIG. 7 is a bottom plan view.

U.S. PATENT DOCUMENTS

5,209,143	A *	5/1993	Sweet	81/9.3
5,507,206	A *	4/1996	Solski	81/9.3
D476,208	S *	6/2003	Lee	D8/52
6,662,690	B1 *	12/2003	Ploeger	81/318
D491,434	S *	6/2004	Noniewicz	D8/58
2010/0058895	A1 *	3/2010	Wu	81/9.3
2010/0107823	A1 *	5/2010	Wu	81/9.3
2013/0228046	A1 *	9/2013	Wu	81/9.3

The broken lines in the drawings illustrate portions of the pliers which form no part of the claimed design.

**1 Claim, 5 Drawing Sheets**



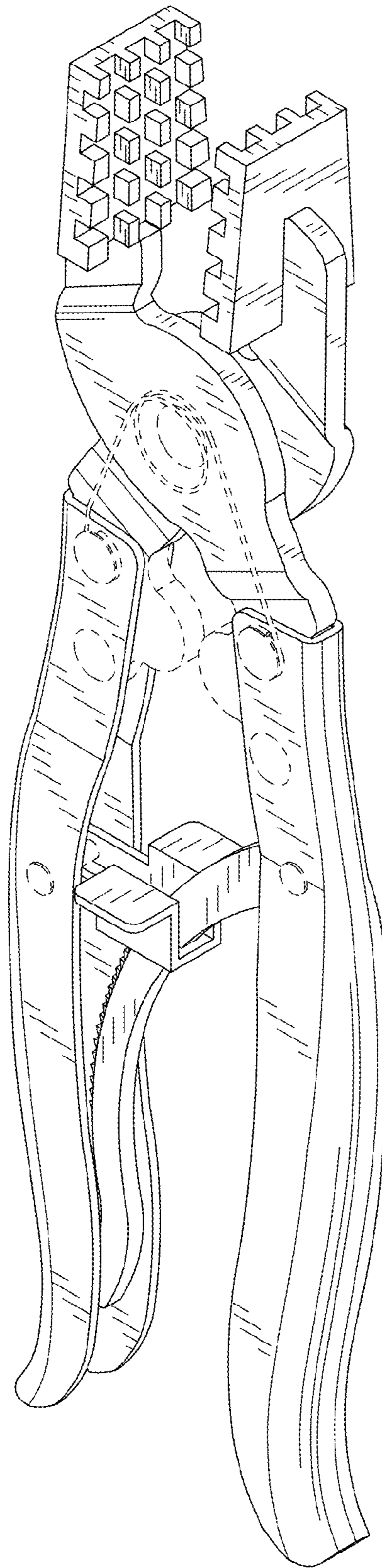


FIG. 1

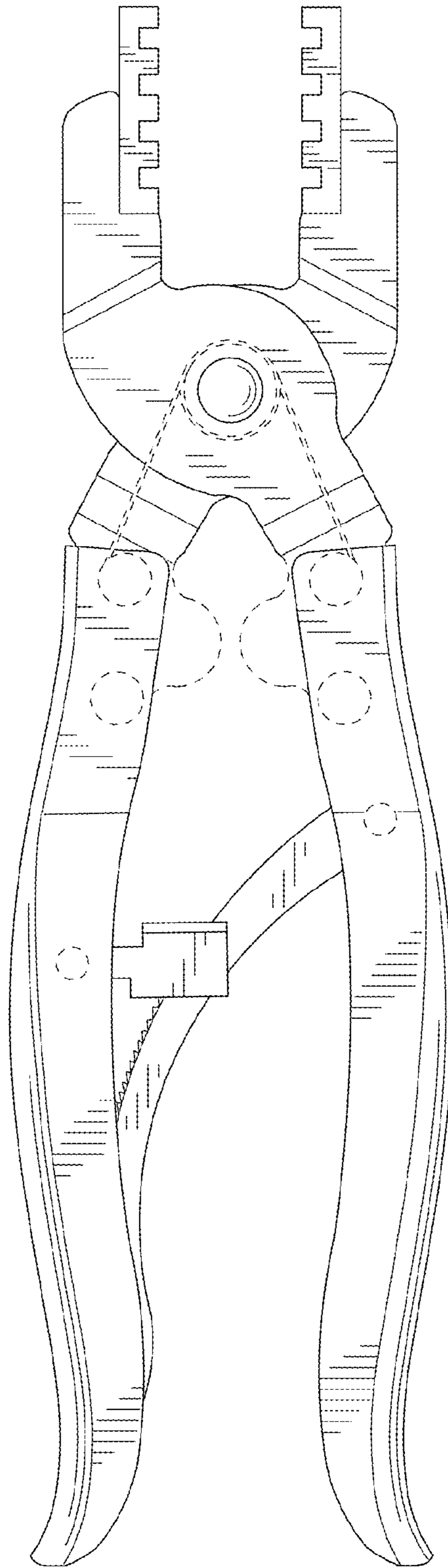


FIG. 2

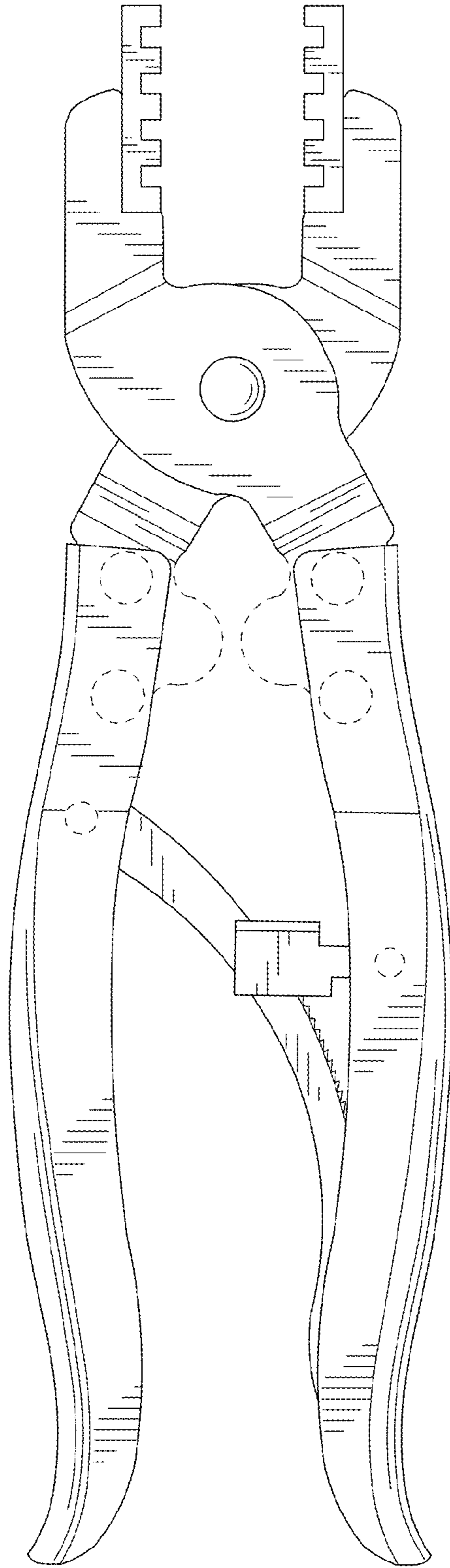


FIG. 3

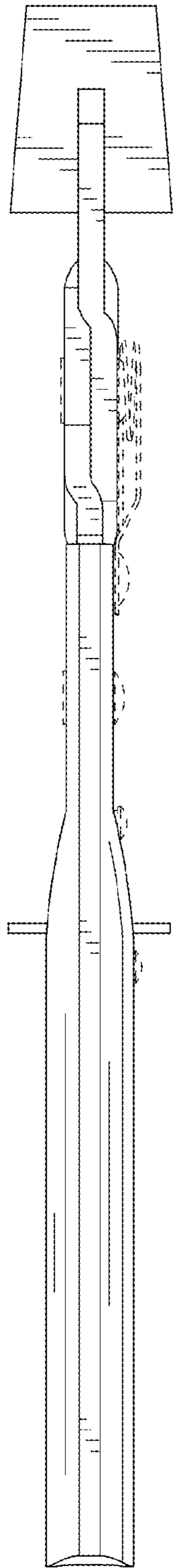


FIG. 4

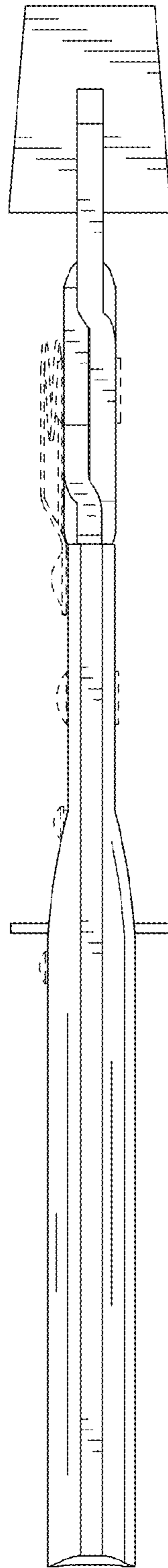


FIG. 5

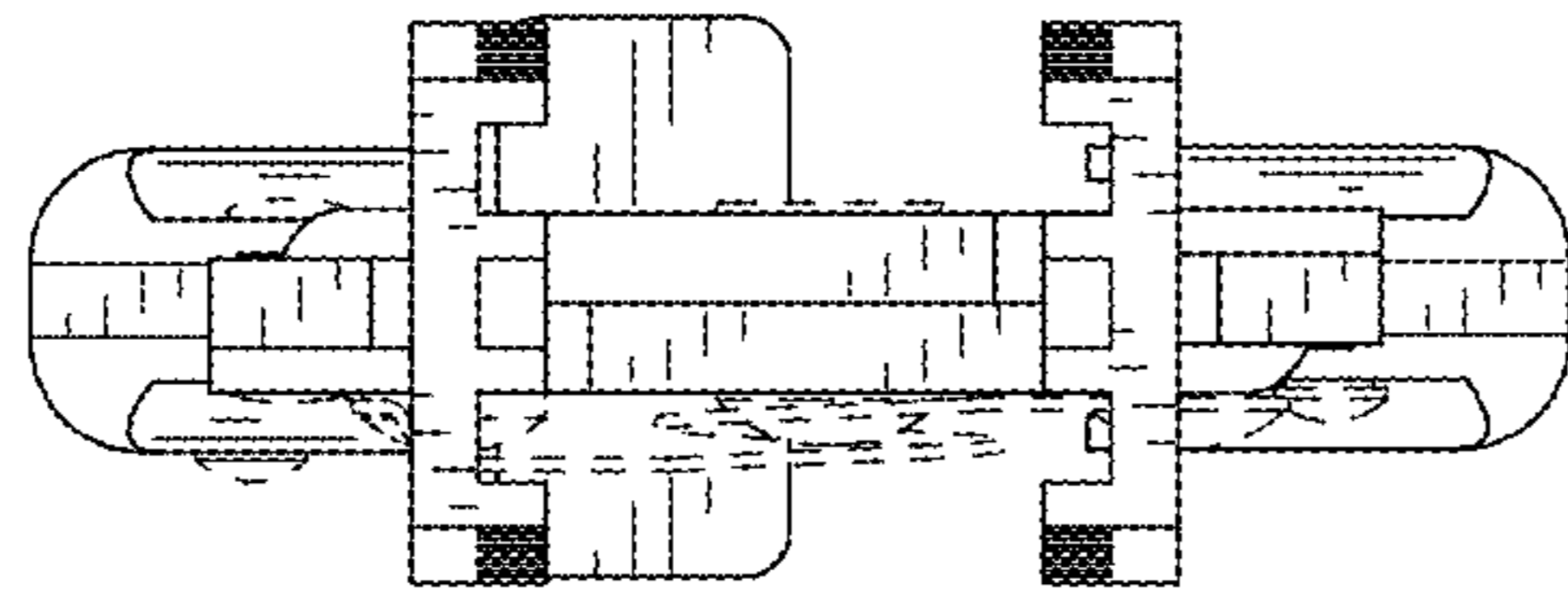


FIG. 6

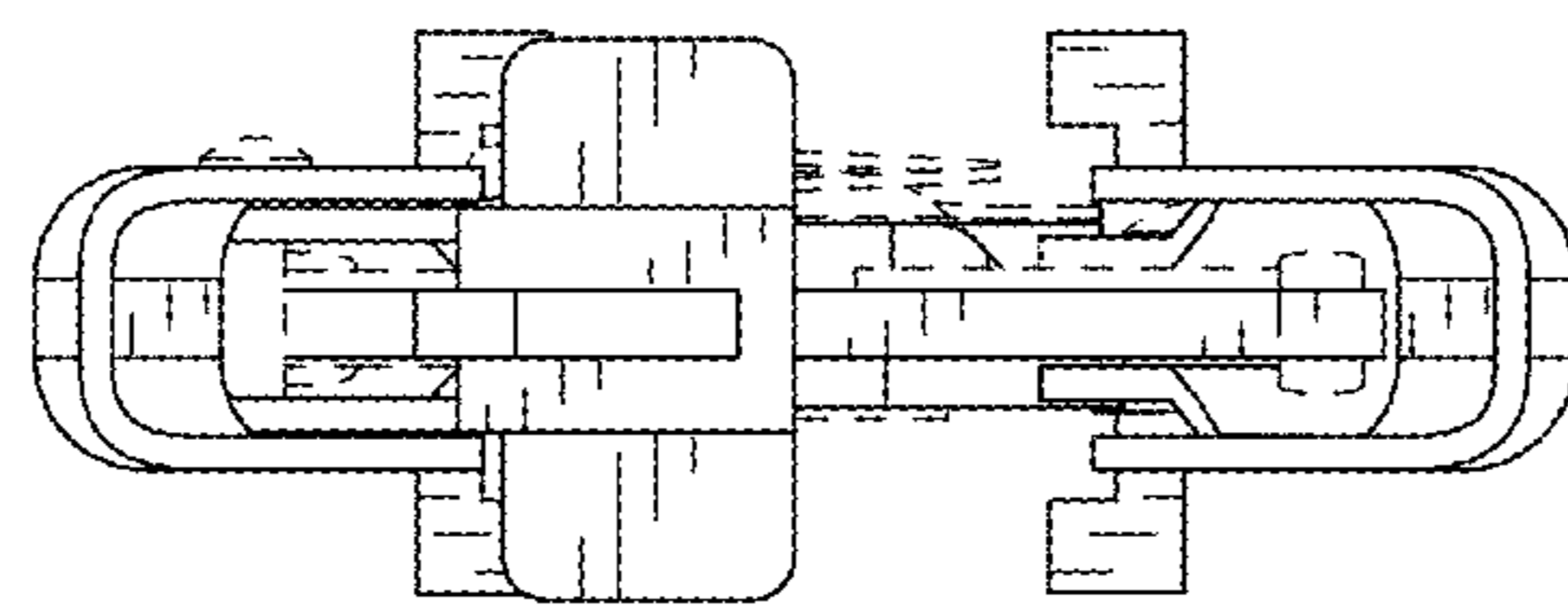


FIG. 7