



US00D770001S

(12) **United States Design Patent** (10) **Patent No.:** **US D770,001 S**
(45) **Date of Patent:** **** Oct. 25, 2016**

(54) **GRENADE LAUNCHER**(71) Applicant: **Amtec Less Lethal Systems, Inc.**,
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Maxwell Lowther, Naples, FL (US)(73) Assignee: **AMTEC LESS LETHAL SYSTEMS,
INC.**, Perry, FL (US)(**) Term: **14 Years**(21) Appl. No.: **29/519,212**(22) Filed: **Mar. 3, 2015**(51) LOC (10) Cl. **22-01**

(52) U.S. Cl.

USPC **D22/103**(58) **Field of Classification Search**

USPC D22/103, 108

CPC F41C 7/025; F41C 7/11; F41C 27/06

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 5,832,911 A * 11/1998 Mayville F41B 11/51
124/53.5
7,487,612 B2 * 2/2009 Macaluso F41C 7/025
42/10
8,707,939 B2 * 4/2014 Chu F41A 9/26
124/45
2016/0153744 A1 * 6/2016 Teetzel F41C 27/06
42/105

OTHER PUBLICATIONS

Penn Arms, TL1 37mm Launcher Product Sheet, Nov. 8, 2010, 1 page.

Amtec Less-Lethal Systems, 37mm Tactical Launcher Product Sheet, © 2011, 1 page.

RM Equipment, M203PI EGLM 40mm Tactical Grenade Launcher System Product Sheet, © 2012, 1 page.

Penn Arms, GL1—Compact 40 mm Launcher Product Sheet, Nov. 8, 2010, 1 page.

Amtec Less-Lethal Systems, 40mm Tactical Launcher Product Sheet, © 2011, 1 page.

B&D Ordnance by Design, TBL-37 Top Break 37mm Launcher Web page printed Mar. 6, 2015, 2 pages.

Heckler & Koch HK69A1 [Heavy Weapons] Web page printed Mar. 6, 2015, 2 pages.

The Safariland Group Launcher Web page printed Mar. 6, 2015, 2 pages.

Sage Control Ordnance, Inc. Launchers Web page printed Mar. 6, 2015, 2 pages.

(Continued)

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(57) **CLAIM**

We claim the ornamental design for grenade launcher, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a grenade launcher according to an embodiment of the invention.

FIG. 2 is a right side view of the grenade launcher depicted in FIG. 1.

FIG. 3 is a front view of the grenade launcher depicted in FIG. 1.

FIG. 4 is a rear view of the grenade launcher depicted in FIG. 1.

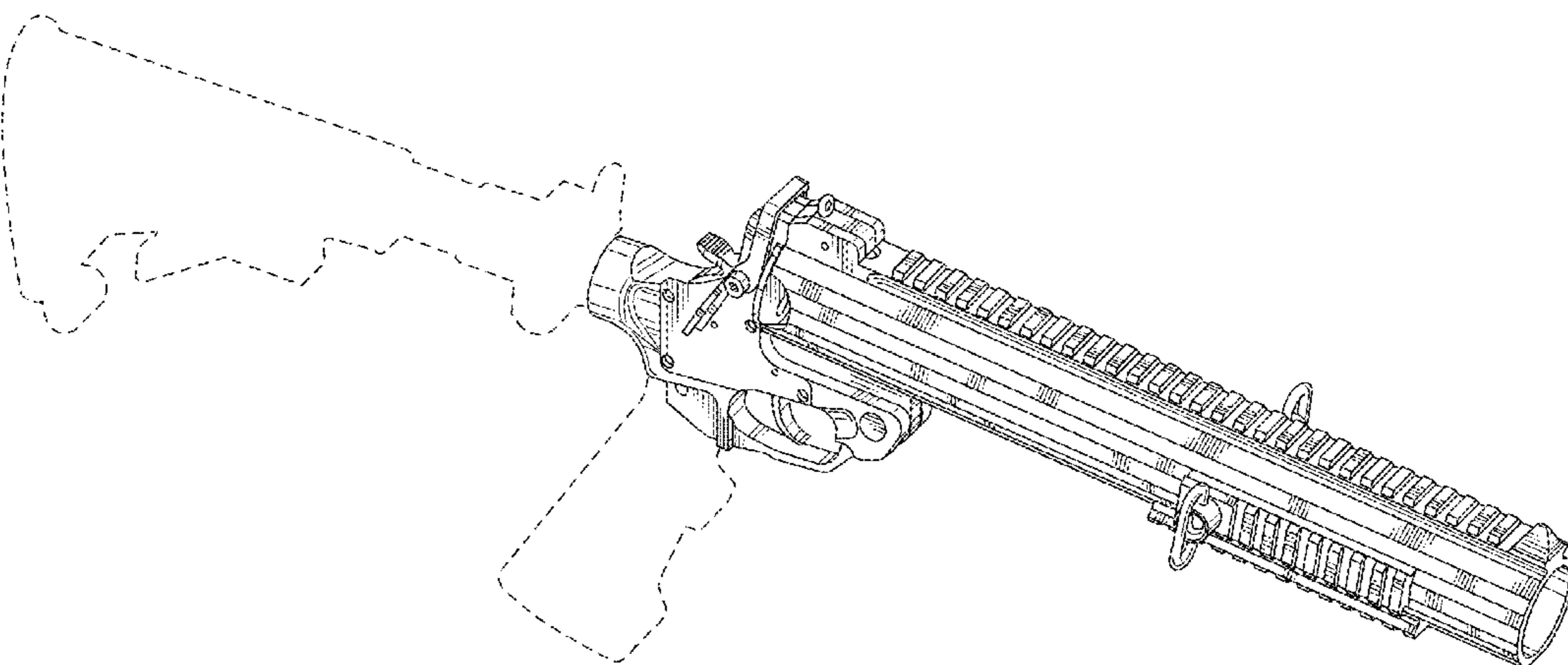
FIG. 5 is a left side view of the grenade launcher depicted in FIG. 1.

FIG. 6 is a top view of the grenade launcher depicted in FIG. 1; and,

FIG. 7 is a bottom view of the grenade launcher depicted in FIG. 1.

Items shown in broken lines are for illustrative purposes only and form no part of the claimed invention.

1 Claim, 4 Drawing Sheets



(56)	References Cited	
	OTHER PUBLICATIONS	
	ALS Less-Lethal Launchers & Munitions, "Tactical Response," May-Jun. 2012, 7 pages.	Wong, Jason M., Lewis Machine & Tool and ALS Technologies, Teaming Up to Build a Single Shot 40 mm Grenade Launcher, <i>Small Arms Review</i> , vol. 15, No. 5, Feb. 2012, pp. 104-105. * cited by examiner

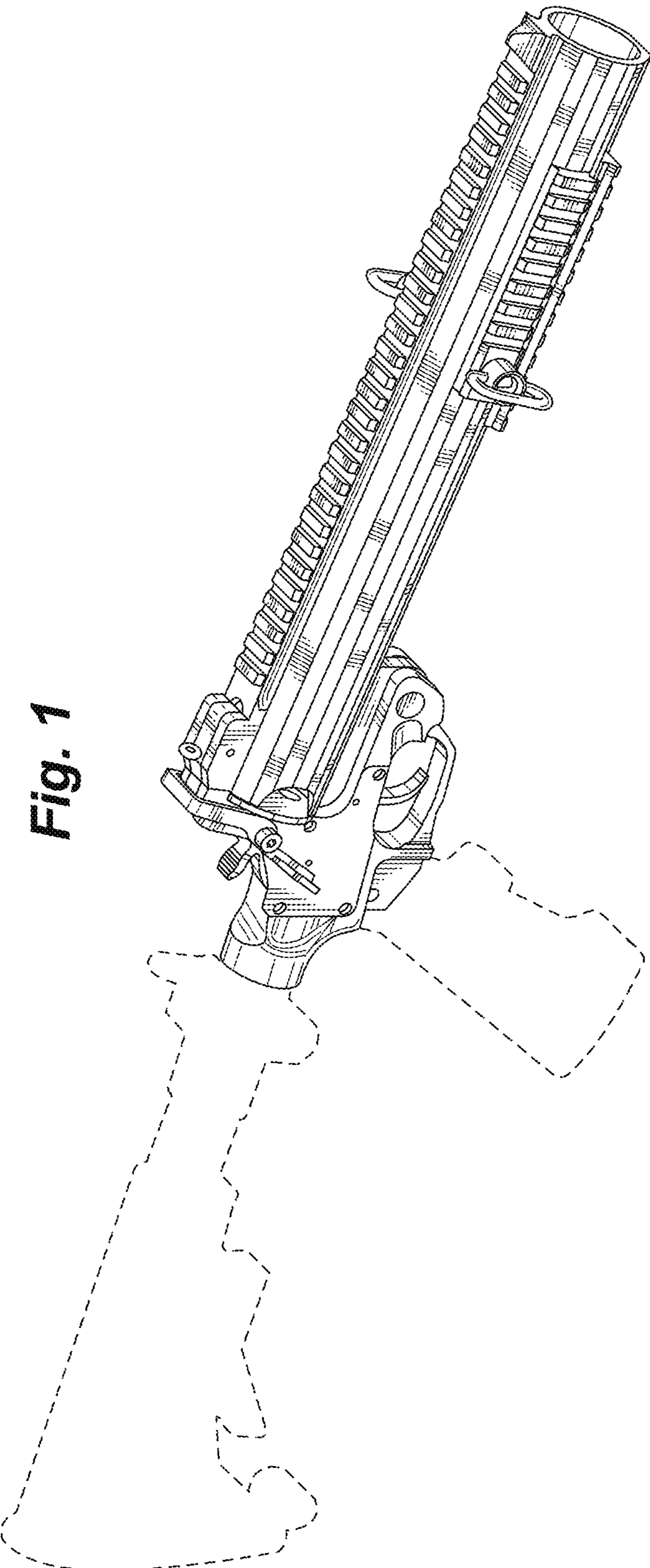


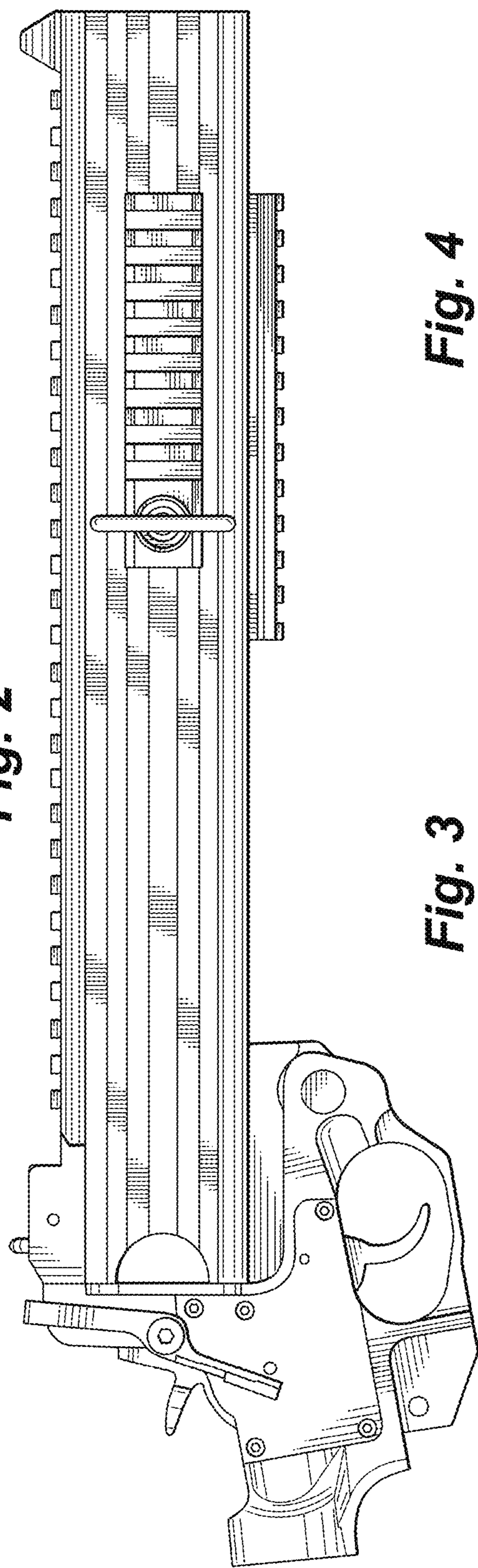
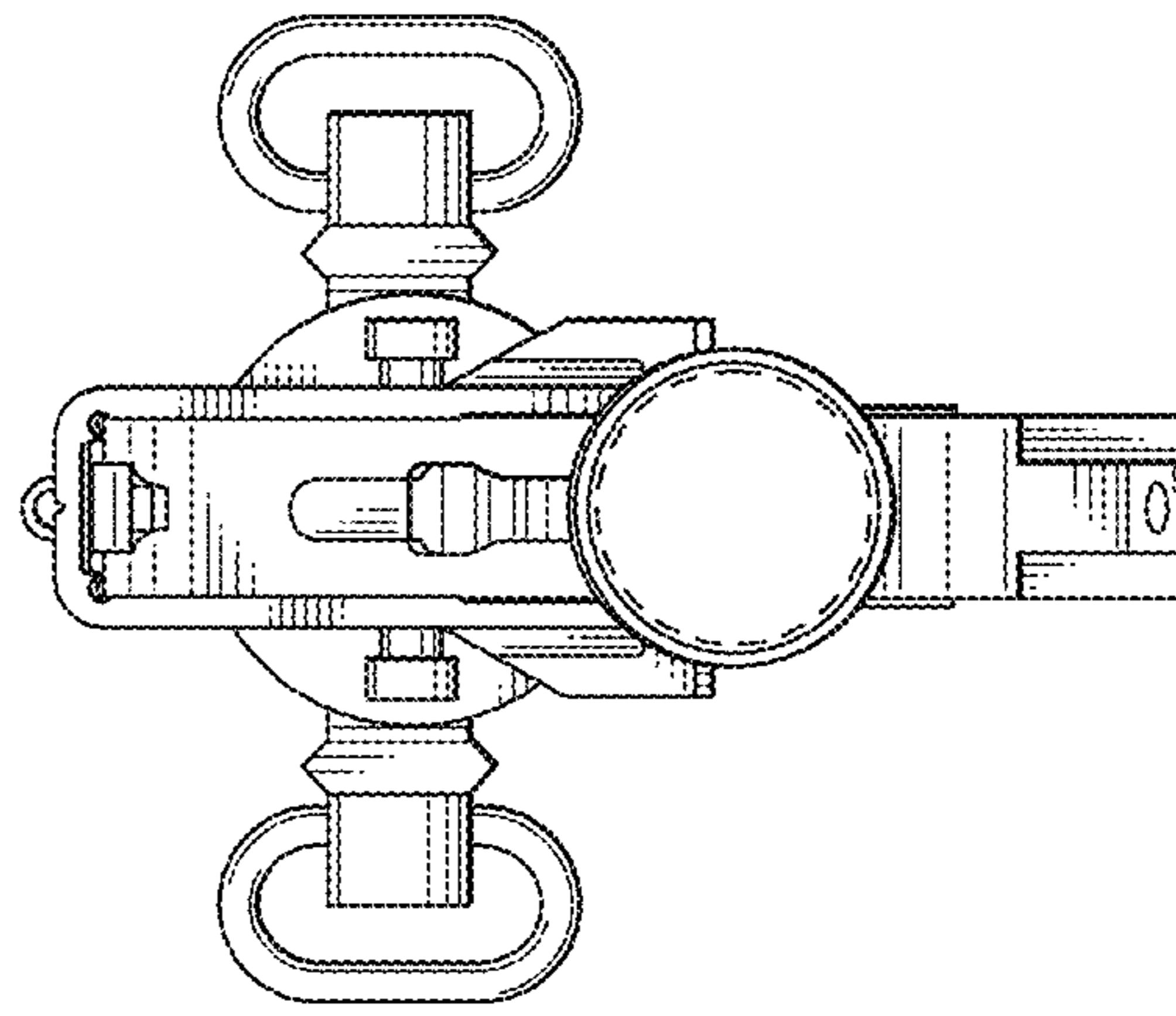
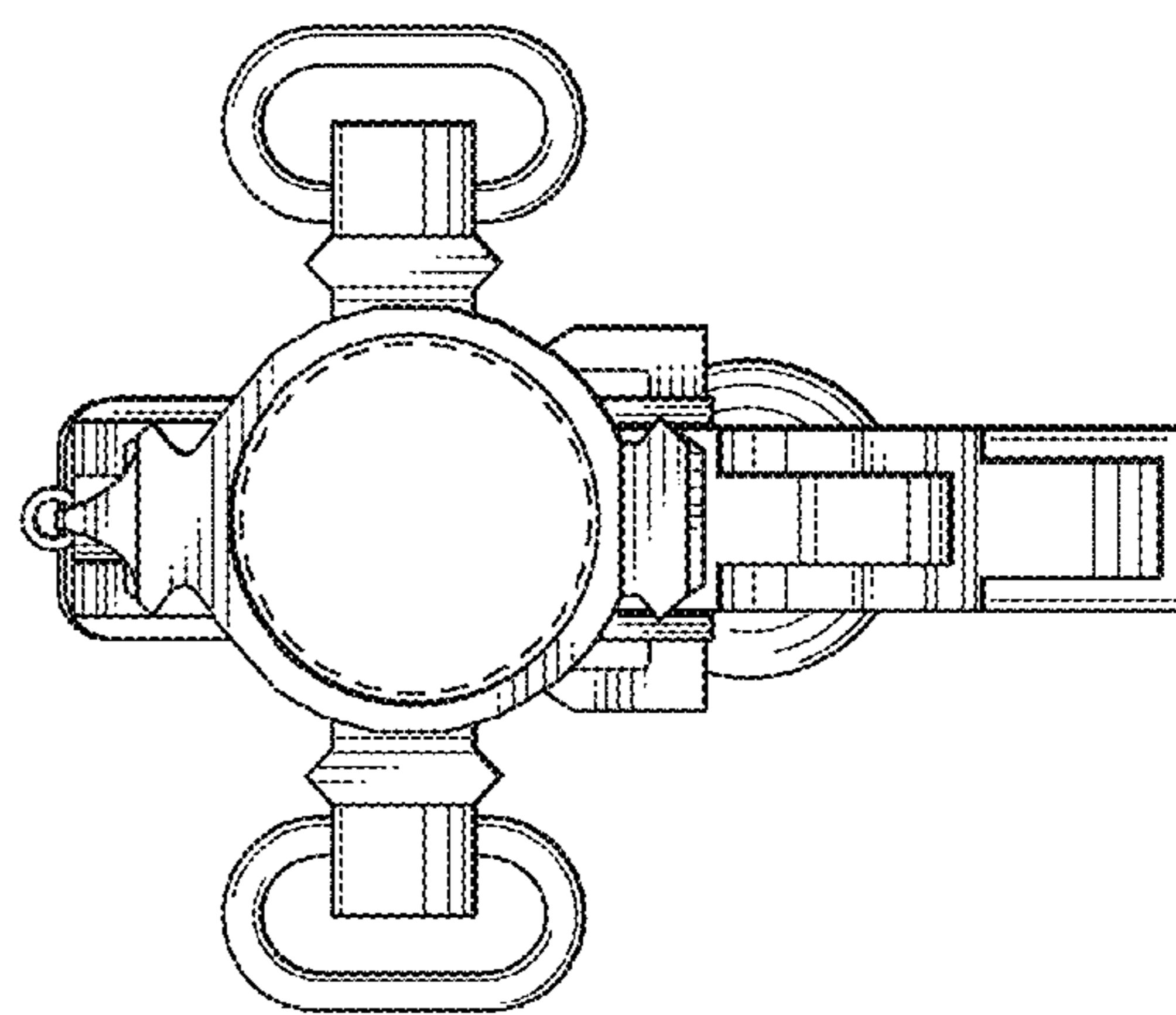
Fig. 2**Fig. 4****Fig. 3**

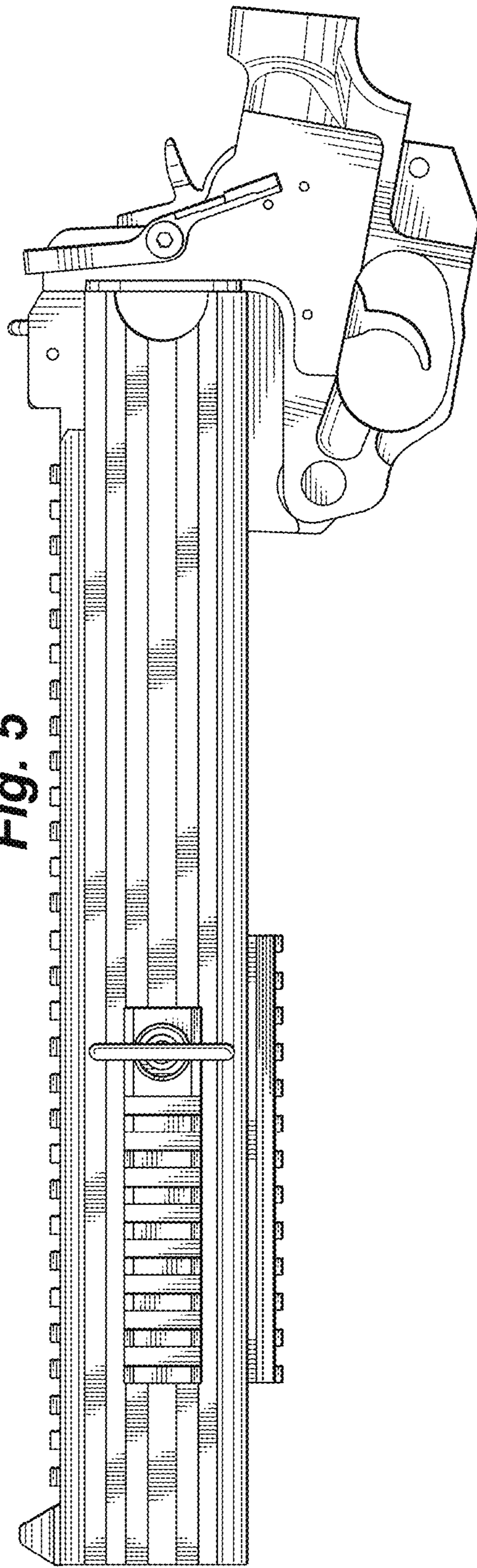
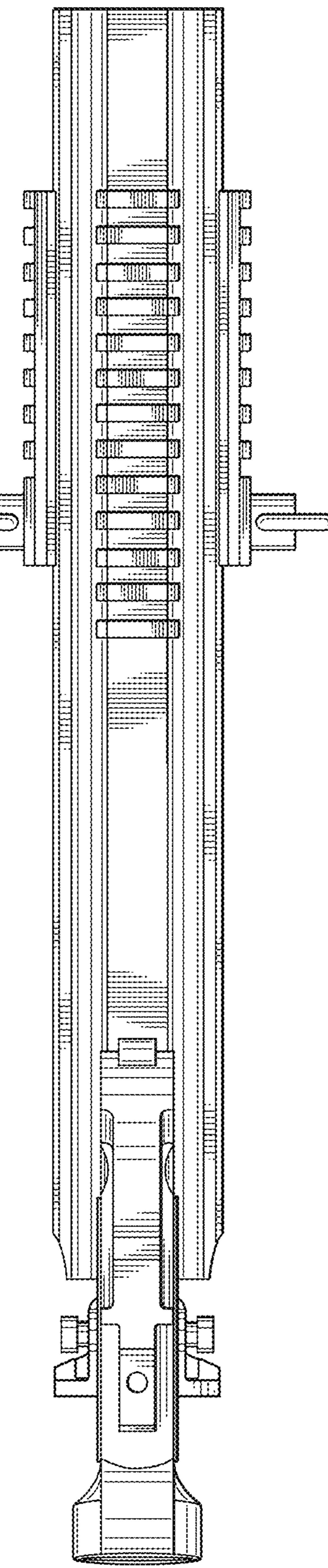
Fig. 5*Fig. 6*

Fig. 7

