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

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- (54) **MECHANICAL COUPLER**
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- (\*\*) Term: **14 Years**
- (21) Appl. No.: **29/483,795**
- (22) Filed: **Mar. 3, 2014**
- (51) **LOC (10) Cl.** ..... **12-16**
- (52) **U.S. Cl.**  
USPC ..... **D12/162**
- (58) **Field of Classification Search**  
USPC ..... D12/162, 159-161; 56/DIG. 14; 37/399;  
280/406.2, 407, 407.1, 408, 411.1,  
280/416.1, 416.2, 416.3, 418, 418.1, 433,  
280/434, 435, 441.1, 441.2, 455.1, 456.1,  
280/480, 493, 504, 507, 508; 224/42.11,  
224/42.12, 42.14, 42.26, 400, 401, 412,  
224/413, 488, 494, 500-501, 519, 537;  
135/88.05; 150/166  
See application file for complete search history.

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*Primary Examiner* — Katrina A Betton

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(57) **CLAIM**

The ornamental design for a mechanical coupler, as shown and described.

**DESCRIPTION**

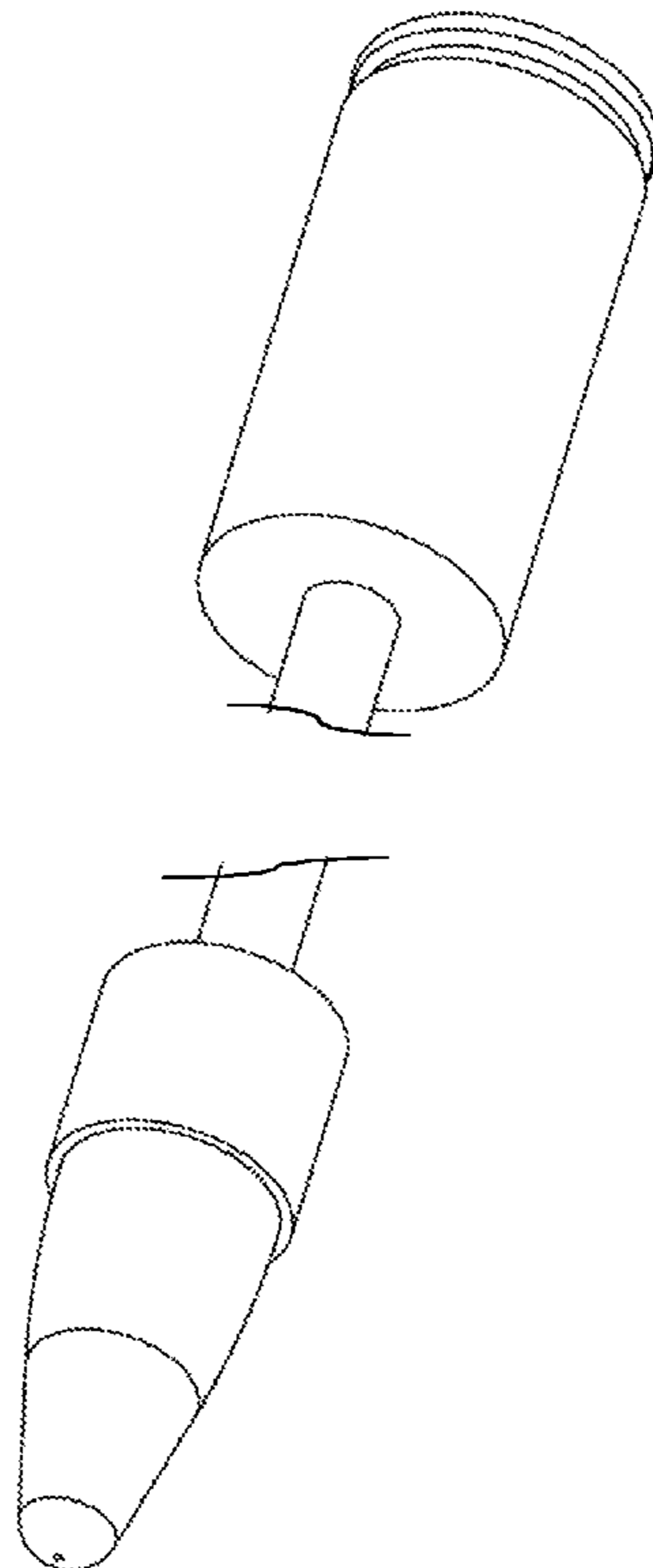
FIG. 1 is a perspective view of a mechanical coupler design of the present invention;  
 FIG. 2 is a top plan view of the mechanical coupler of FIG. 1, which is a mirror image of the bottom plan view and left and right side views;  
 FIG. 3 is an end view of the mechanical coupler of FIG. 1;  
 FIG. 4 is a second end view of the mechanical coupler of FIG. 1; and,  
 FIG. 5 is a plan view of a hitch assembly incorporating the mechanical coupler of FIG. 1, with the hitch structure disclaimed.  
 In the drawings, the broken lines in FIGS. 5 depict a hitch assembly that forms no part of the claimed design.

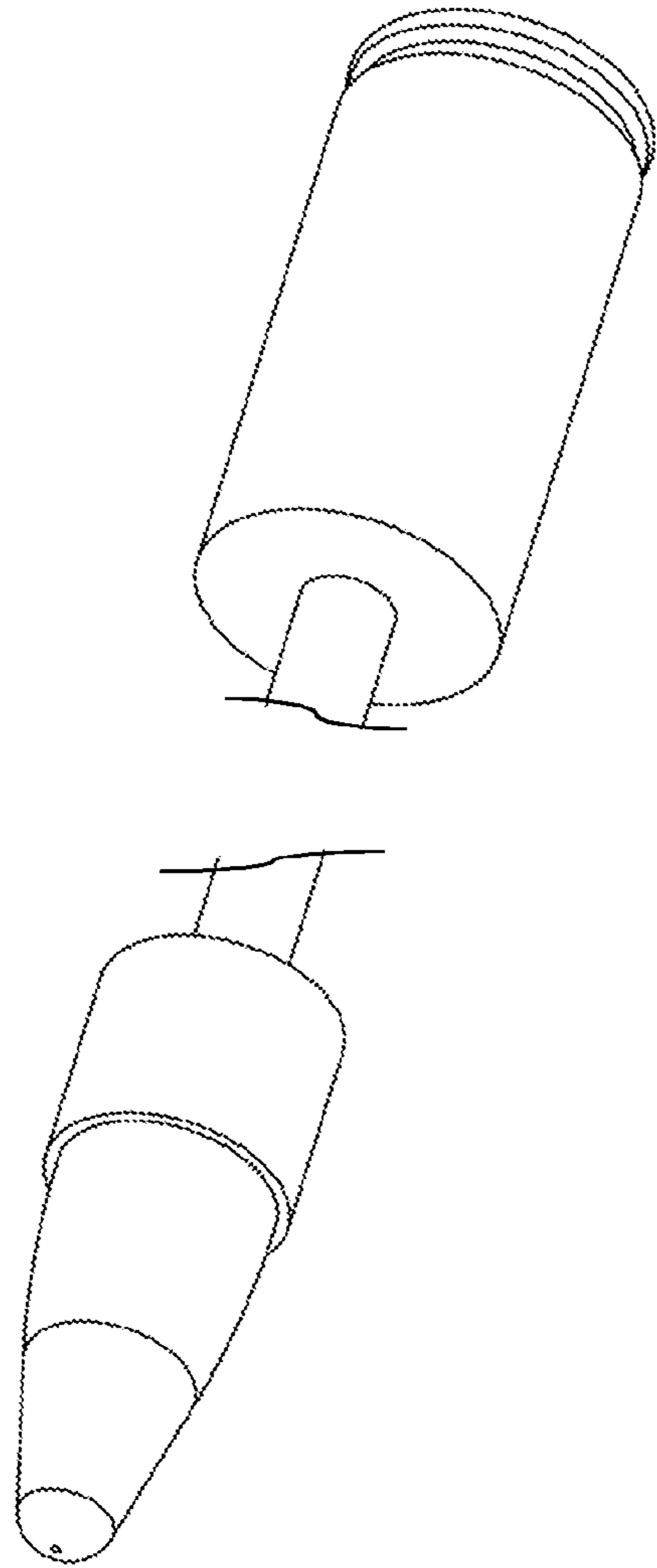
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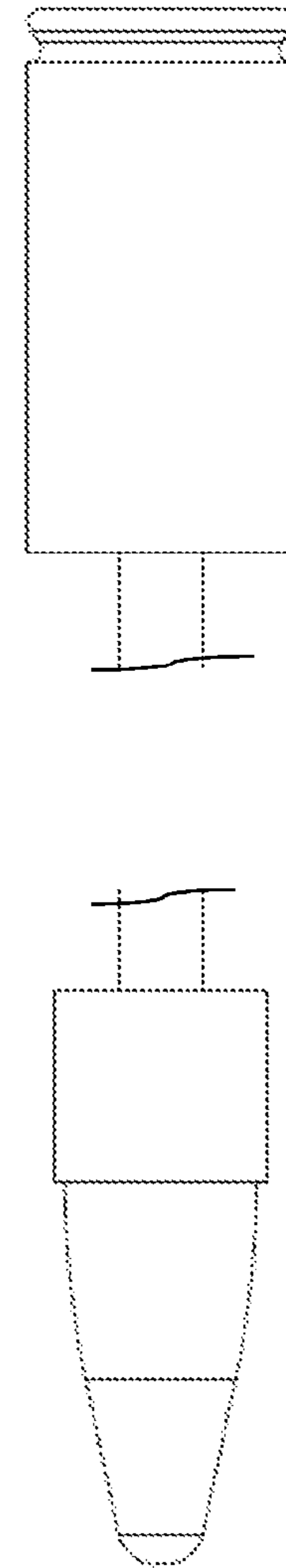
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**1 Claim, 3 Drawing Sheets**

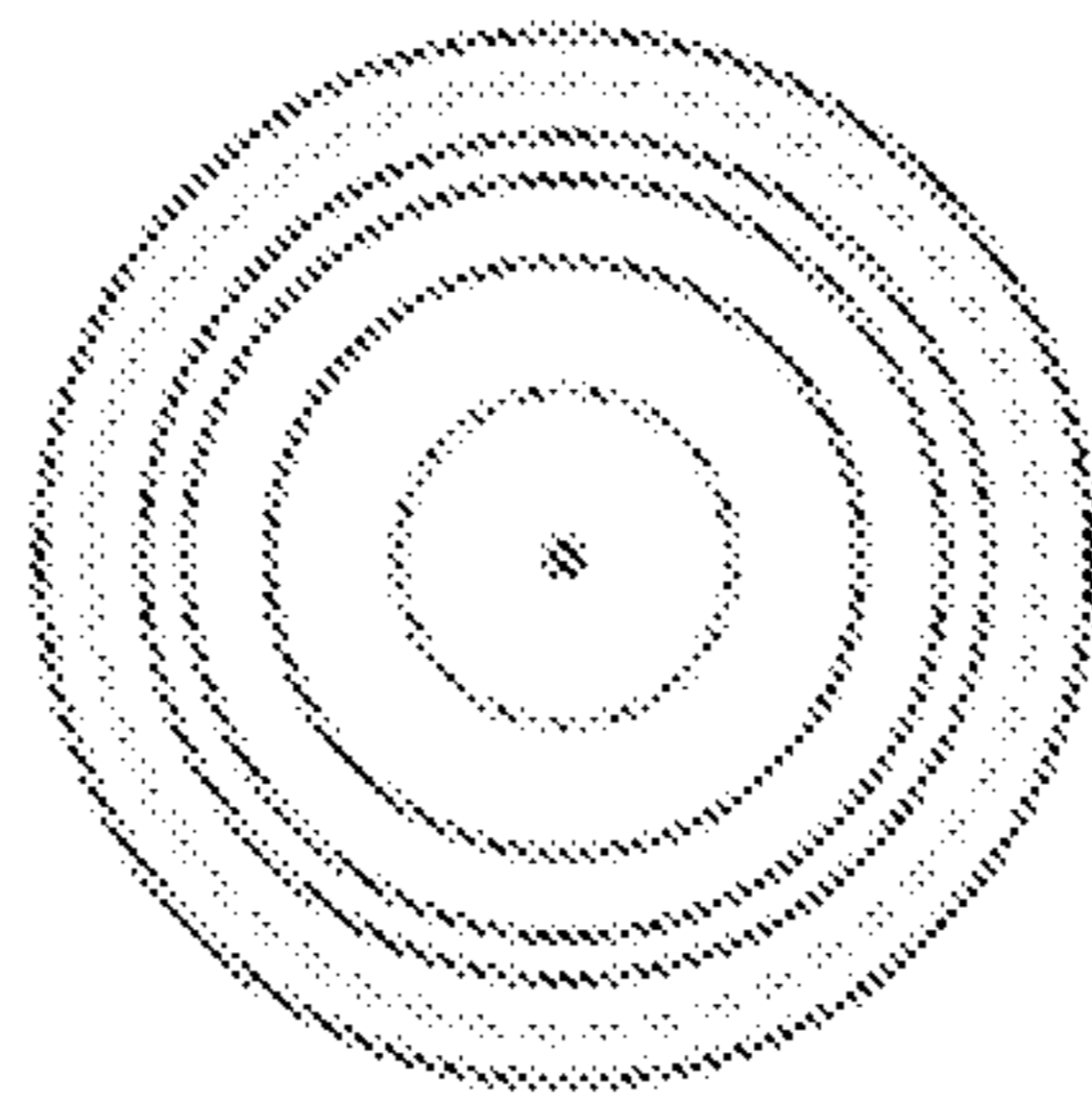




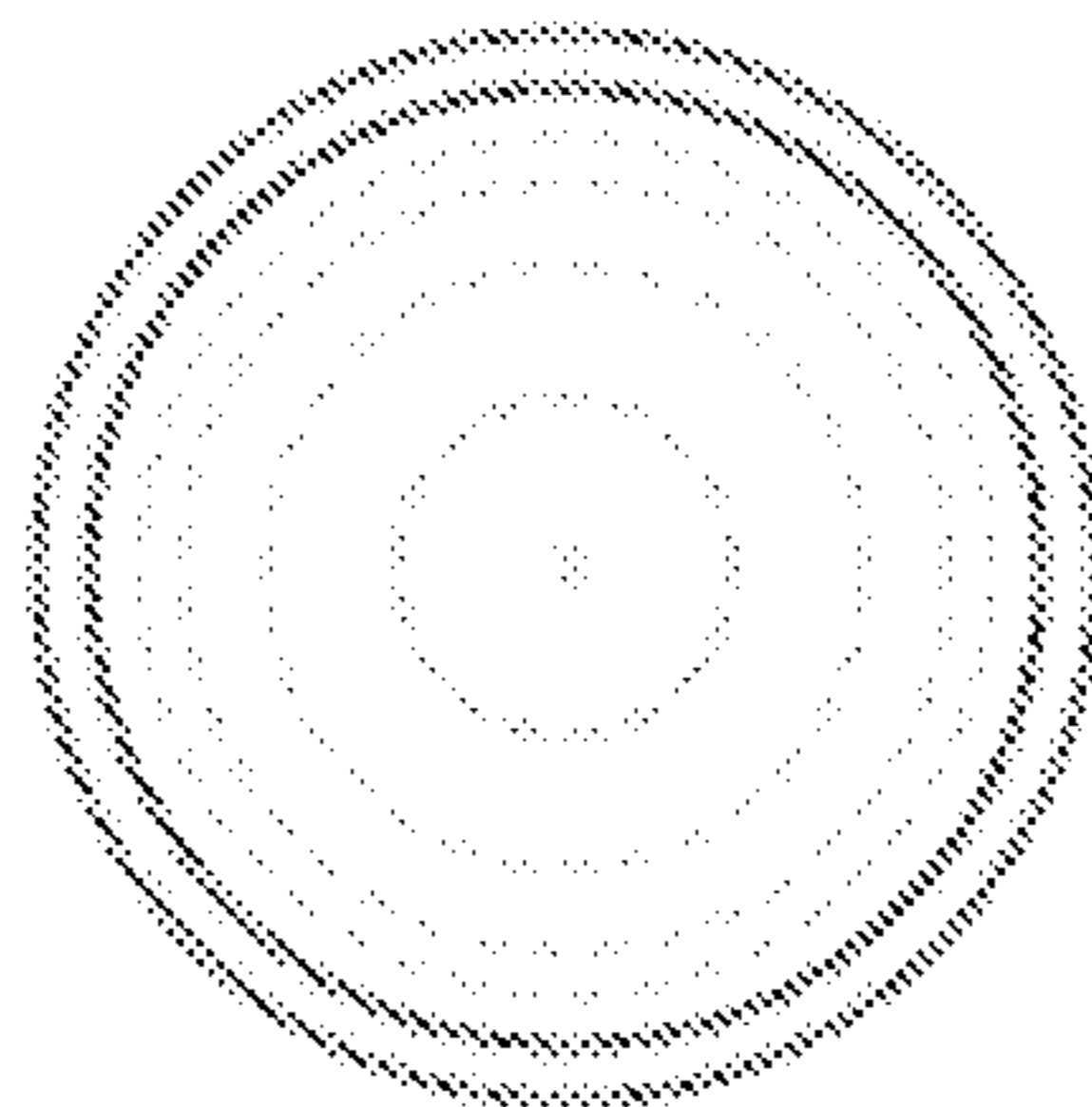
**FIG. 1**



**FIG. 2**



**FIG. 3**



**FIG. 4**

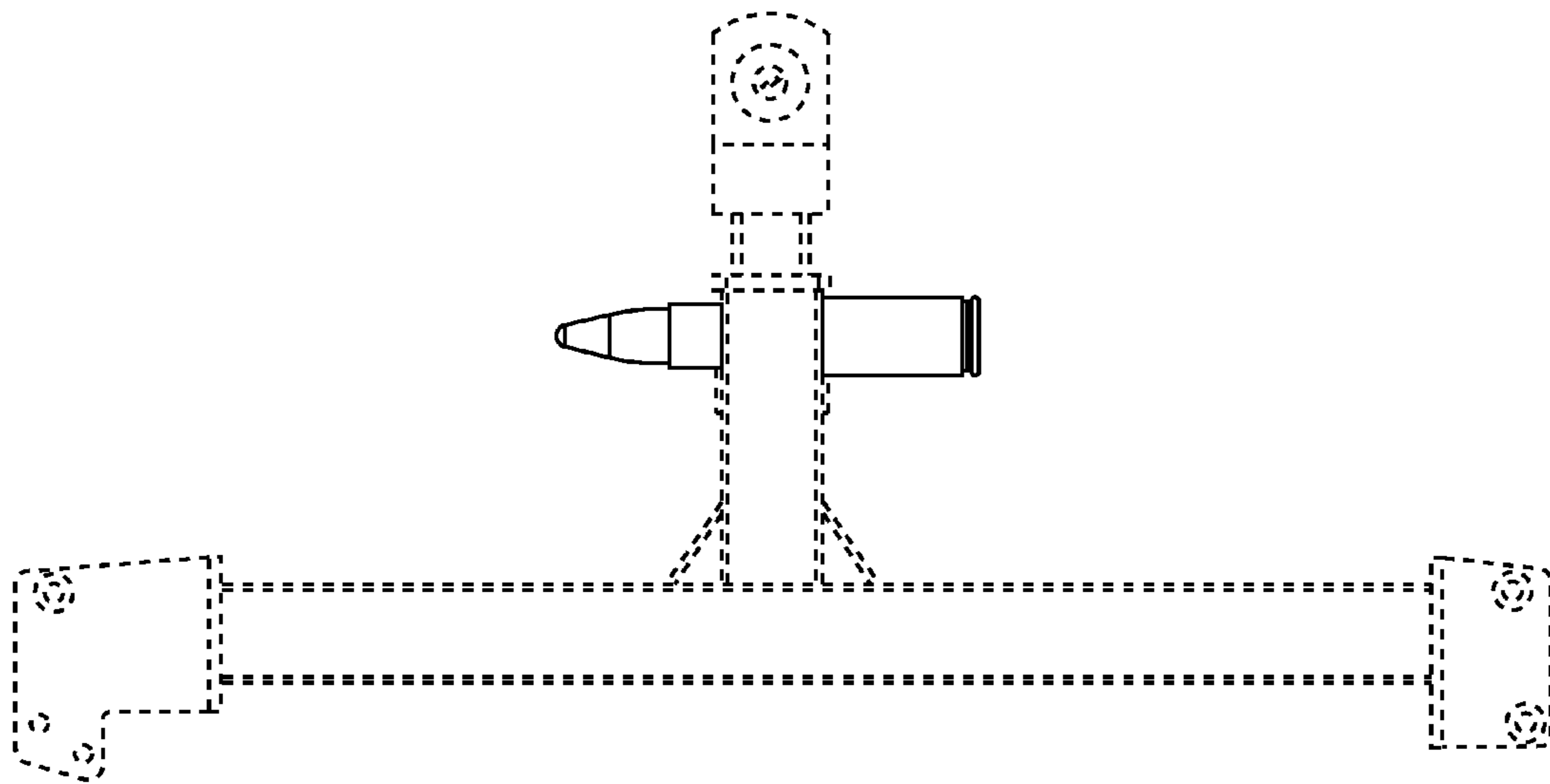


FIG. 5