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

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- (54) **GAS CYLINDER CAP**
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| | | | | |
|----------------|---------|--------------|-------|--------------|
| D287,265 S * | 12/1986 | Edwards | | D23/206 |
| 4,718,569 A * | 1/1988 | Swanson | | F17C 13/06 |
| | | | | 220/212 |
| 5,397,012 A * | 3/1995 | Tison | ..... | B65D 47/0842 |
| | | | | 215/253 |
| 5,429,152 A * | 7/1995 | Van Straaten | ..... | F17C 13/002 |
| | | | | 137/377 |
| 5,657,800 A * | 8/1997 | Campbell | ..... | B09B 3/0058 |
| | | | | 141/286 |
| 6,941,964 B1 * | 9/2005 | Hess | ..... | F16K 1/307 |
| | | | | 137/1 |
| 8,534,312 B2 * | 9/2013 | Burgess | ..... | F17C 13/06 |
| | | | | 137/377 |
| D692,979 S * | 11/2013 | Quick | ..... | D23/206 |
| D692,980 S * | 11/2013 | Quick | ..... | D23/206 |
| D709,163 S * | 7/2014 | Deruntz | ..... | D23/206 |
| D768,266 S * | 10/2016 | Pareek | ..... | D23/233 |
| 9,506,577 B2 * | 11/2016 | Harris | ..... | F16K 17/366 |

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

(21) Appl. No.: **29/549,132**

(22) Filed: **Dec. 18, 2015**

(51) **LOC (10) Cl.** **23-01**

(52) **U.S. Cl.**
USPC **D23/206**

(58) **Field of Classification Search**
USPC D23/206, 233; 137/377, 382, 68.14;
220/724-726, 582
CPC F16K 35/10; F17C 13/06
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | | |
|---------------|--------|------------|-------|------------|
| 1,552,979 A * | 9/1925 | Billings | ..... | F17C 13/06 |
| | | | | 220/724 |
| 1,642,412 A * | 9/1927 | Farnsworth | ..... | F16K 1/302 |
| | | | | 251/265 |
| 3,185,336 A * | 5/1965 | Goss | ..... | F16K 1/307 |
| | | | | 220/725 |
| D201,962 S * | 8/1965 | Hammesfahr | | D23/206 |
| D204,822 S * | 5/1966 | Barker | | D23/206 |

* cited by examiner

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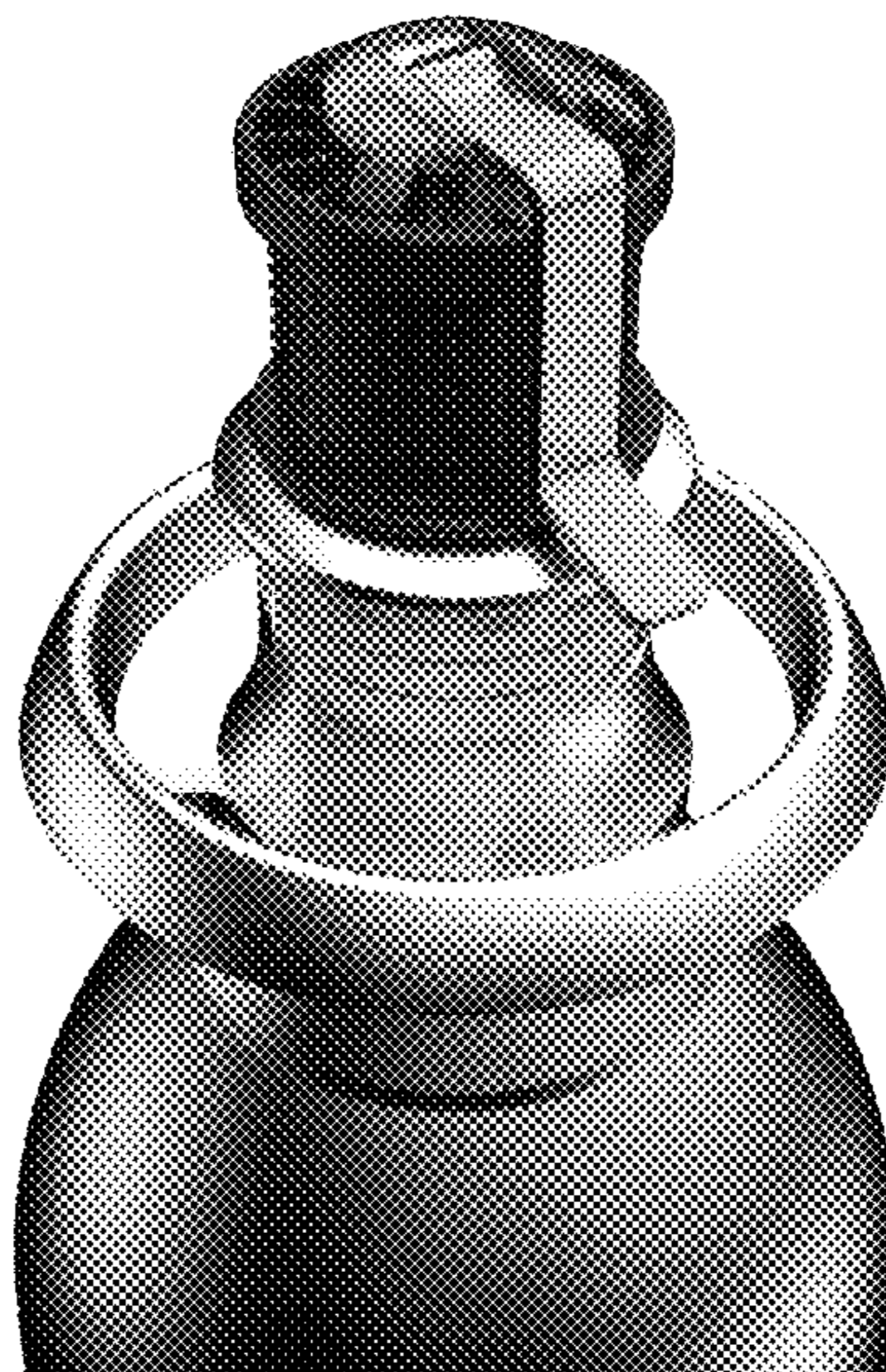
(57) **CLAIM**

The ornamental design for a gas cylinder cap, as shown and described.

DESCRIPTION

FIG. 1 is a front side view of a gas cylinder cap in the closed position.
 FIG. 2 is a rear side view of a gas cylinder cap in the open position.
 FIG. 3 is a side view of a gas cylinder cap.
 FIG. 4 is a side view of a gas cylinder cap.
 FIG. 5 is a top view of a gas cylinder cap in the closed position.
 FIG. 6 is an isometric view of a gas cylinder cap in the closed position; and,
 FIG. 7 is an isometric view of a gas cylinder cap in the closed position.

1 Claim, 7 Drawing Sheets



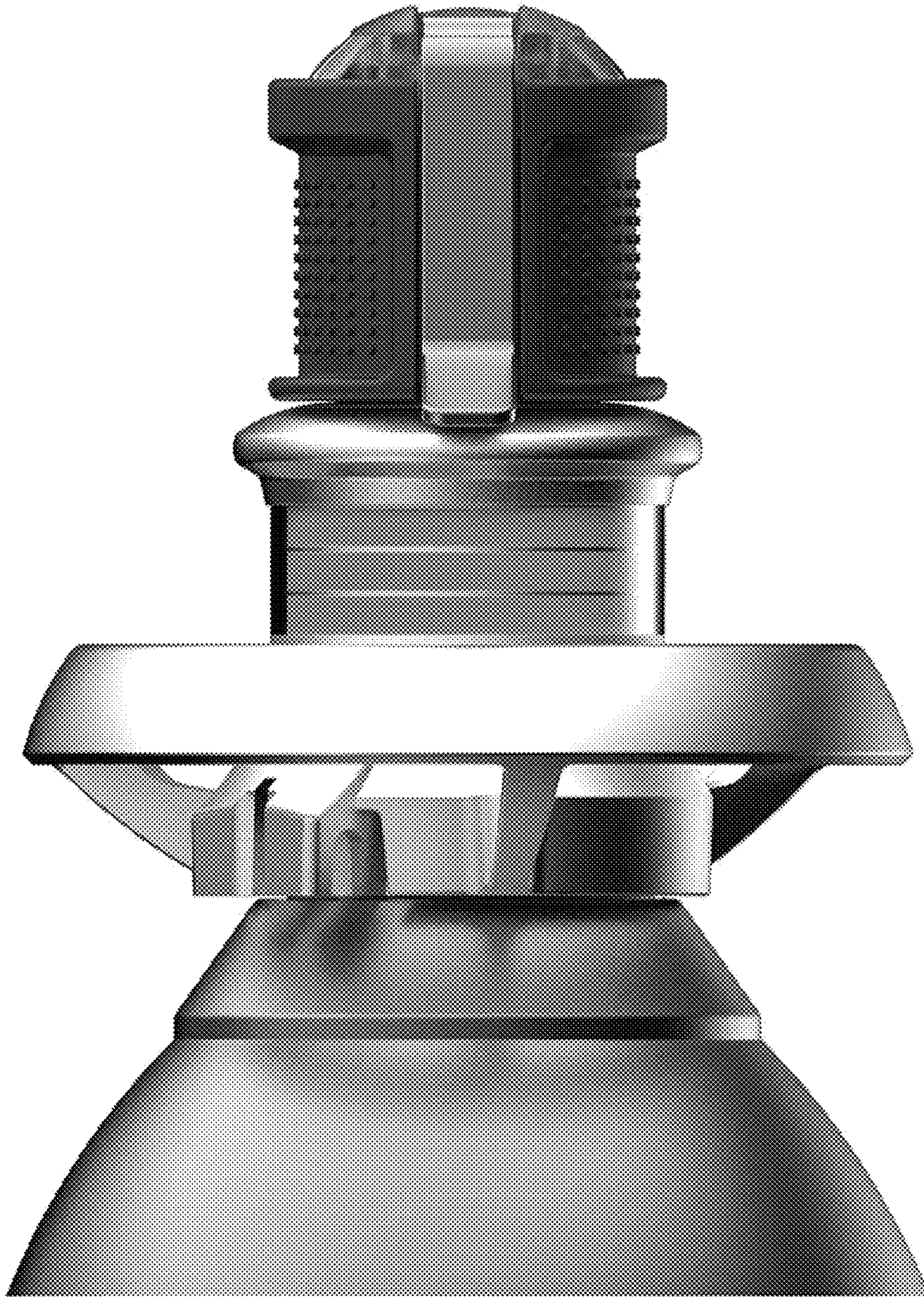


FIG. 1

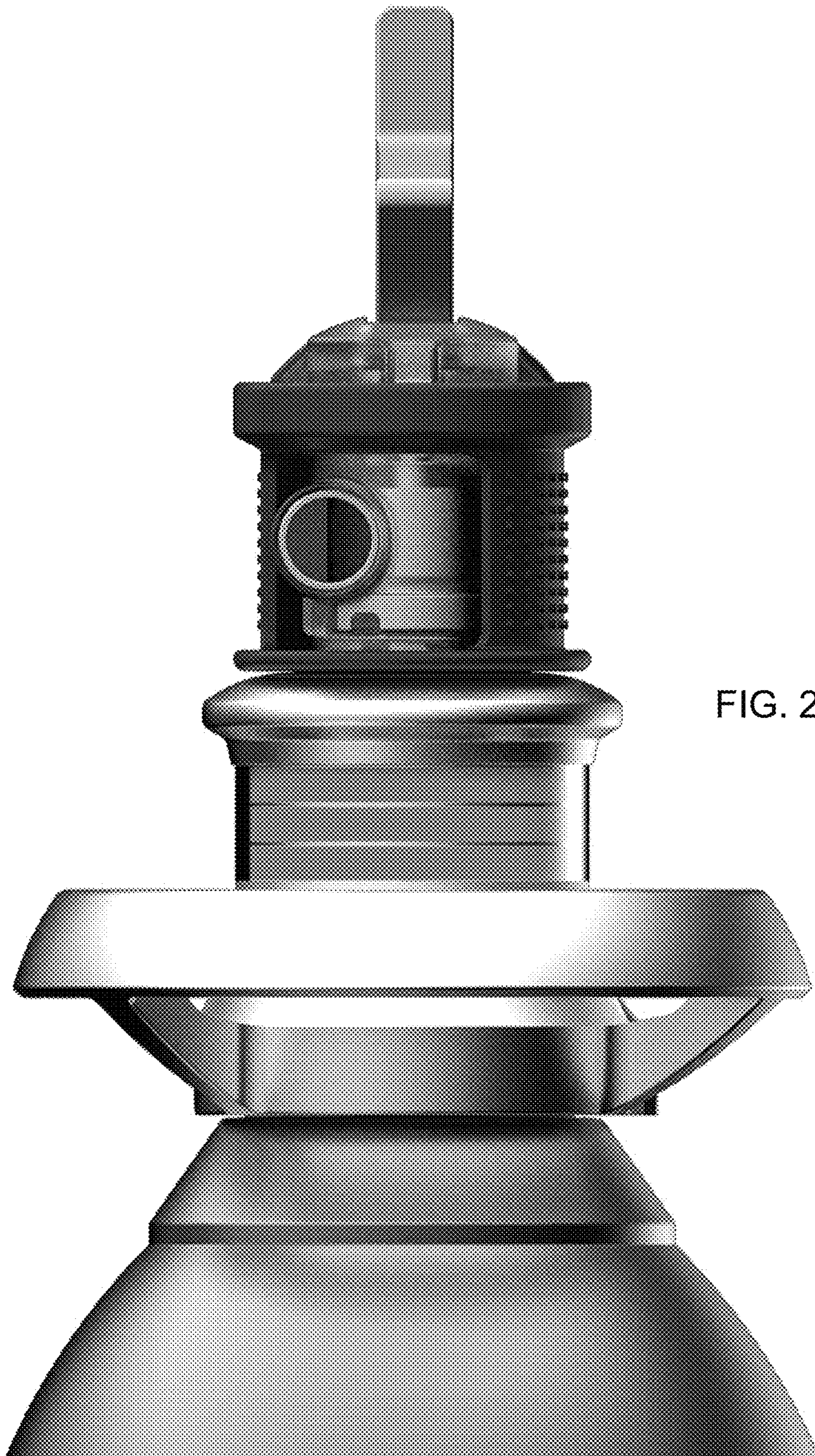


FIG. 2

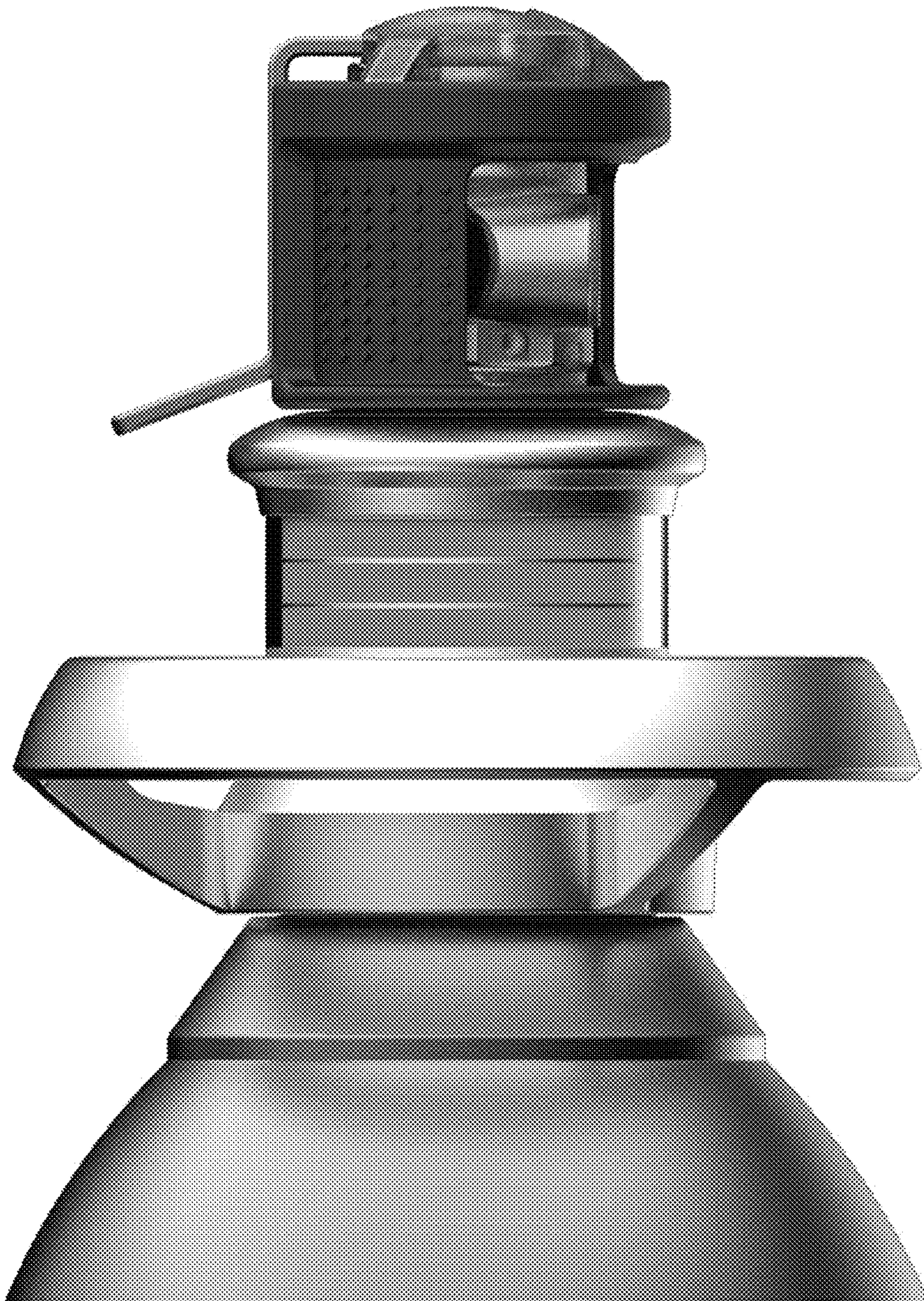


FIG. 3



FIG. 4



FIG. 5

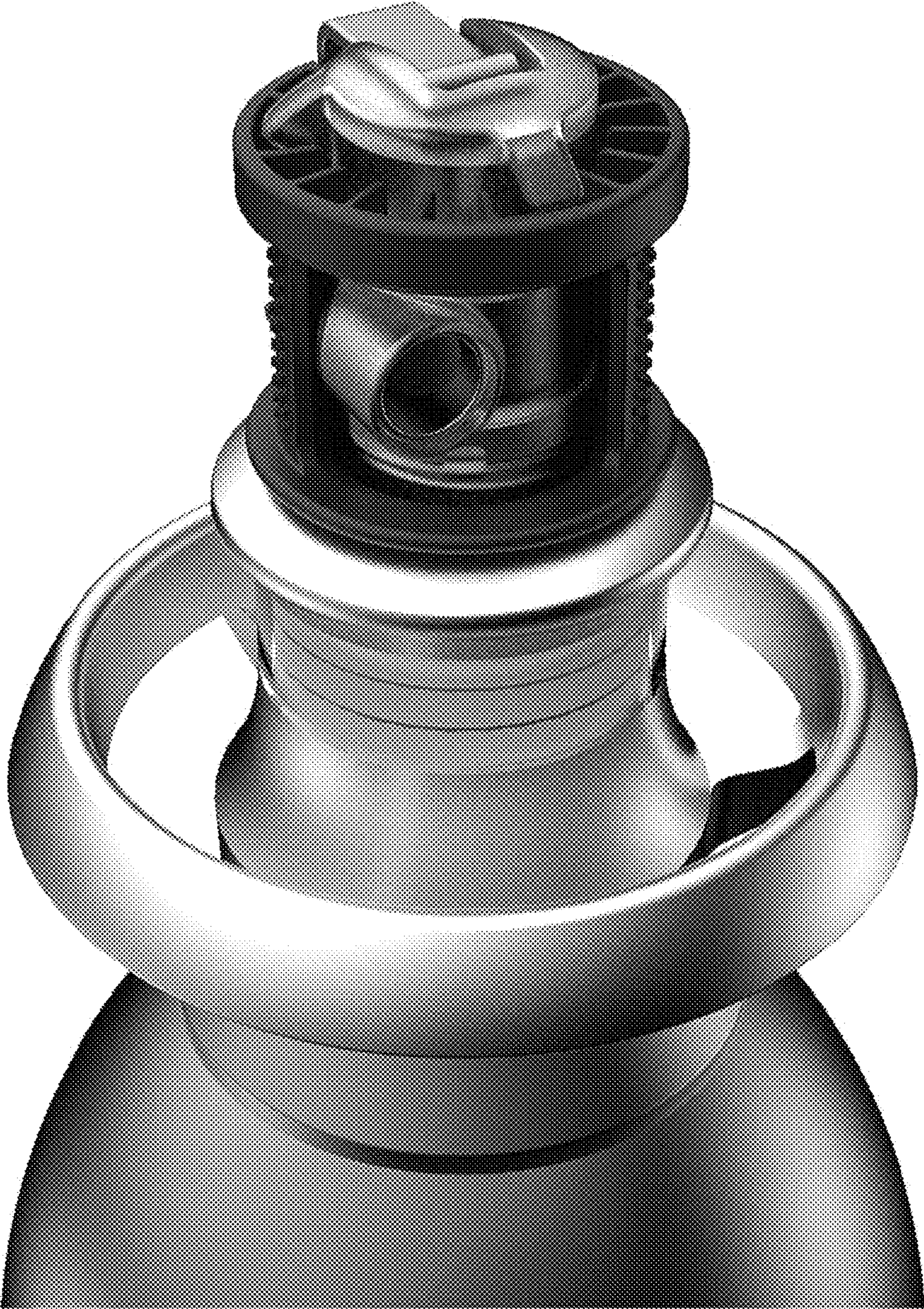


FIG. 6



FIG. 7