



US00D767143S

(12) **United States Design Patent**  
**Mizumura et al.**(10) **Patent No.:** US D767,143 S  
(45) **Date of Patent:** \*\* Sep. 20, 2016(54) **X-RAY TUBE FOR MEDICAL USE**(71) Applicants: **Kabushiki Kaisha Toshiba**, Minato-ku, Tokyo (JP); **Toshiba Electron Tubes & Devices Co., Ltd.**, Otawara, Tochigi (JP)(72) Inventors: **Yuki Mizumura**, Otawara (JP); **Masaji Kanagami**, Utsunomiya (JP)(73) Assignee: **Toshiba Electron Tubes & Devices Co., Ltd.**, Otawara, Tochigi (JP)(\*\*) Term: **15 Years**(21) Appl. No.: **29/537,956**(22) Filed: **Aug. 31, 2015**(30) **Foreign Application Priority Data**May 25, 2015 (JP) ..... 2015-011426  
(51) LOC (10) Cl. ..... **24-01**  
(52) U.S. Cl.USPC ..... **D24/158**(58) **Field of Classification Search**USPC ..... D24/158-161, 186, 107, 209, 210;  
D13/180  
CPC ..... H05G 1/02; H05G 1/025; H05G 1/04;  
H05G 1/06; H05G 1/10; H01J 2235/068;  
H01J 35/025

See application file for complete search history.

(56) **References Cited**

## U.S. PATENT DOCUMENTS

D176,113 S \* 11/1955 Graves ..... D24/158  
D177,540 S \* 4/1956 Waggoner et al ..... D24/158D223,220 S \* 3/1972 Johnson et al ..... D24/158  
D290,500 S \* 6/1987 Makas ..... D24/158  
7,001,070 B2 \* 2/2006 Kendall ..... H05G 1/025  
378/200  
D554,755 S \* 11/2007 Iwasaki ..... D24/158  
D671,216 S \* 11/2012 Moon ..... D24/158  
D671,217 S \* 11/2012 Moon ..... D24/158  
D702,351 S \* 4/2014 Li ..... D24/158  
D726,920 S \* 4/2015 Ishihara ..... D24/158  
D726,921 S \* 4/2015 Ishihara ..... D24/158  
2007/0098144 A1 \* 5/2007 Zhang ..... H05G 1/025  
378/200  
2008/0187106 A1 \* 8/2008 Grady ..... H05G 1/04  
378/144

\* cited by examiner

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(57)

**CLAIM**

The ornamental design for a X-ray tube for medical use, as shown and described.

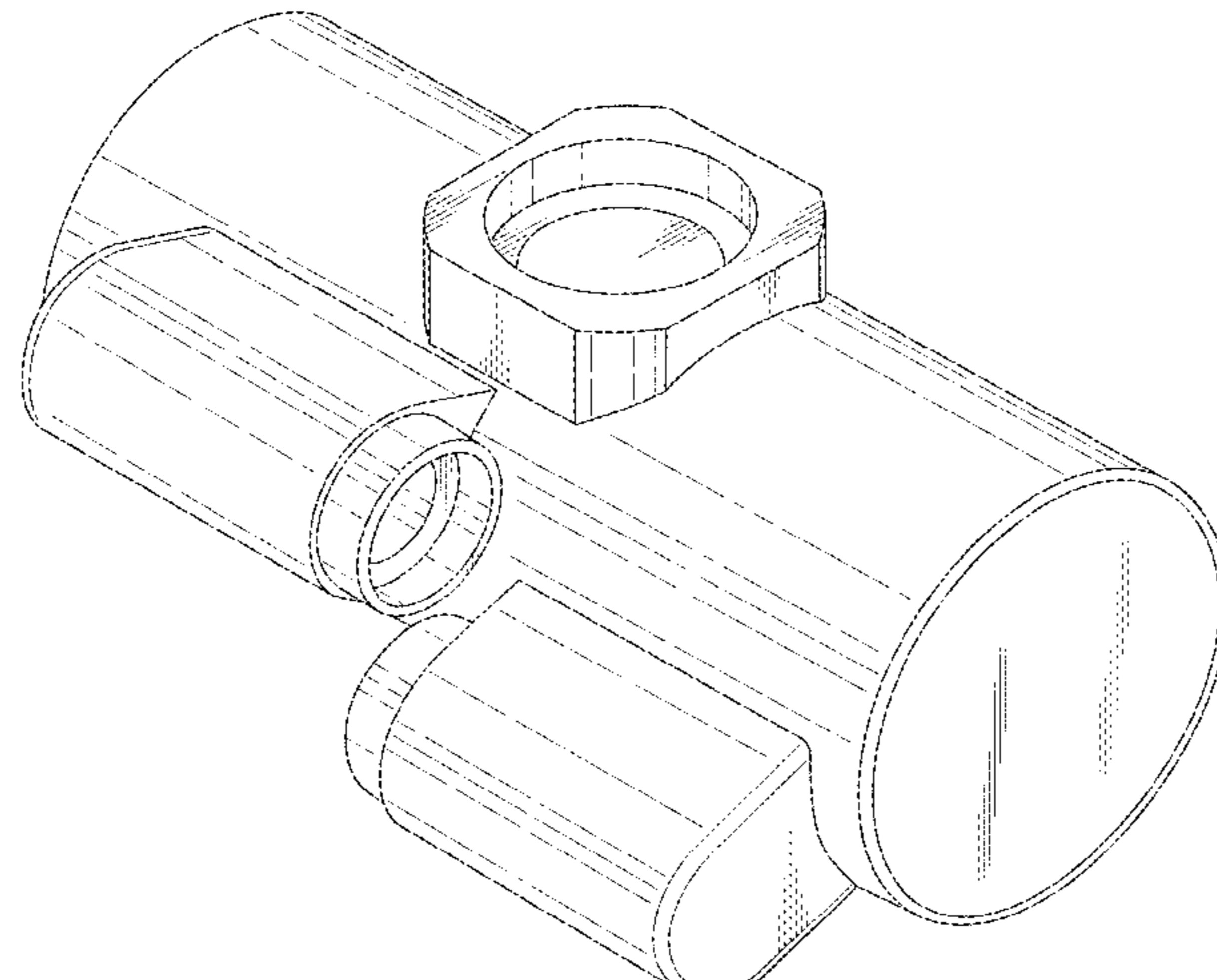
**DESCRIPTION**FIG. 1 is a perspective view of a X-ray tube for medical use showing our new design,  
FIG. 2 is a front elevational view thereof,  
FIG. 3 is a rear elevational view thereof,  
FIG. 4 is a top plan view thereof,  
FIG. 5 is a bottom plan view thereof,  
FIG. 6 is a left side elevational view thereof; and,  
FIG. 7 is a right side elevational view thereof.**1 Claim, 4 Drawing Sheets**

Fig. 1

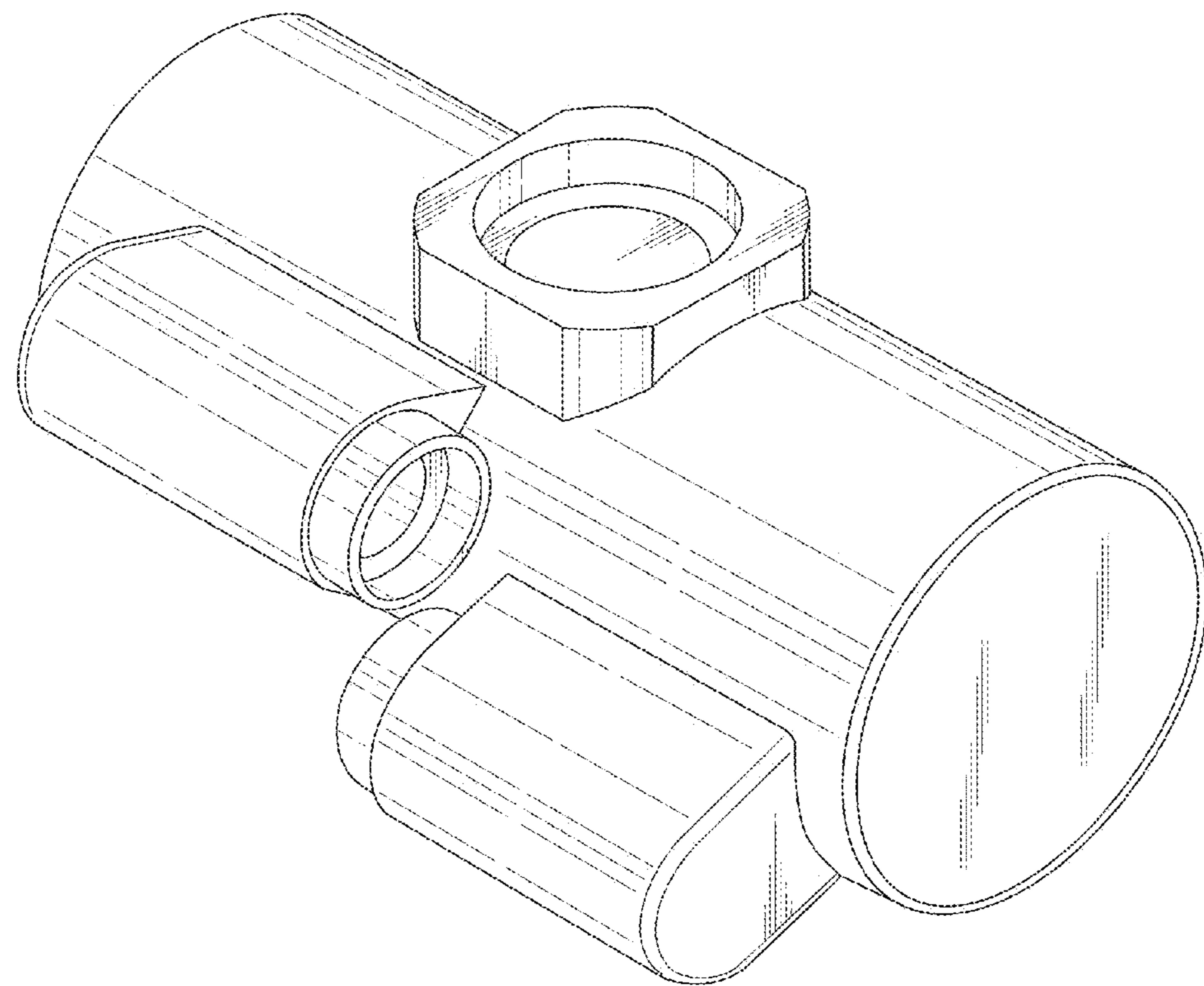


Fig. 2

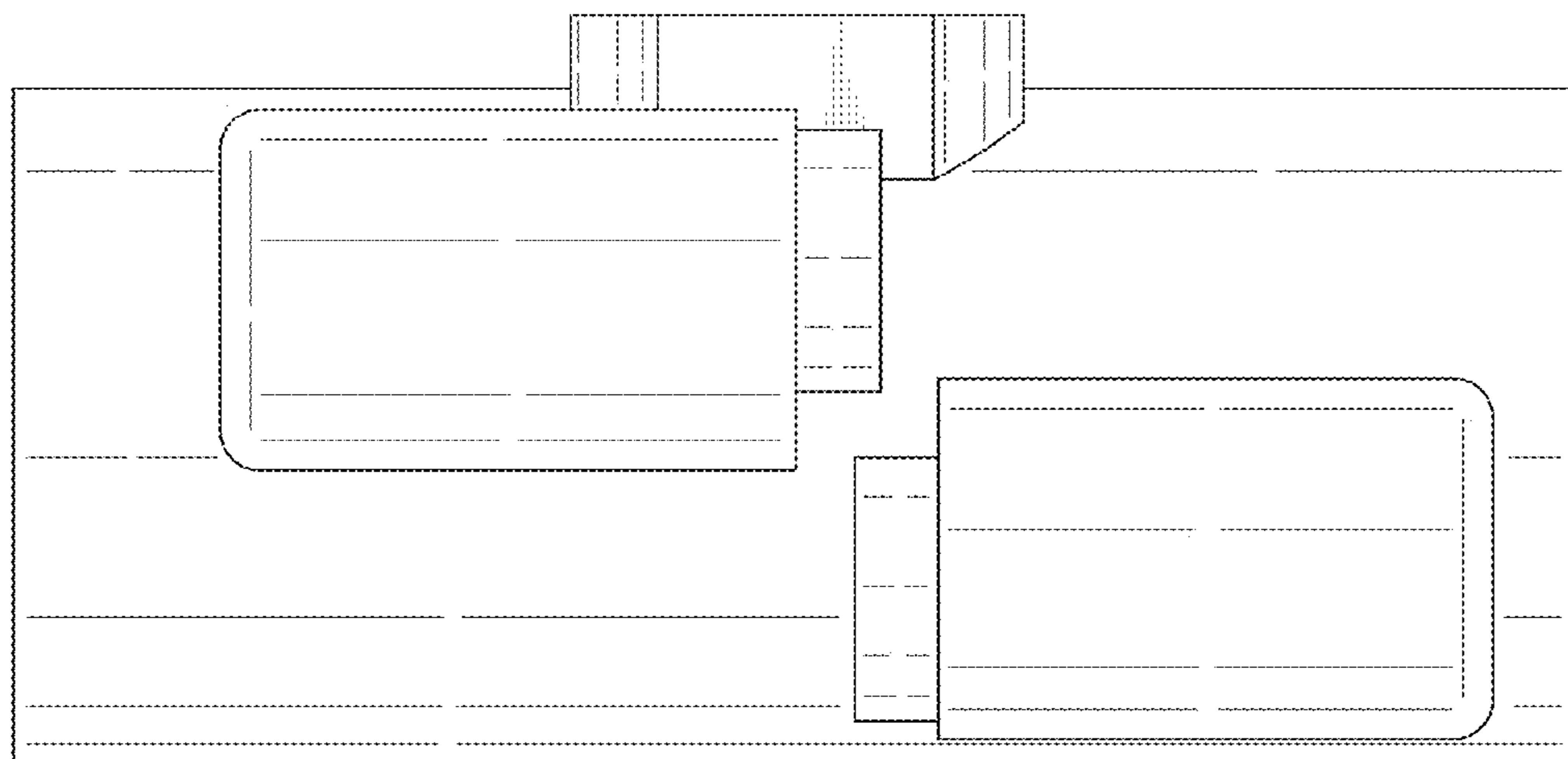


Fig. 3

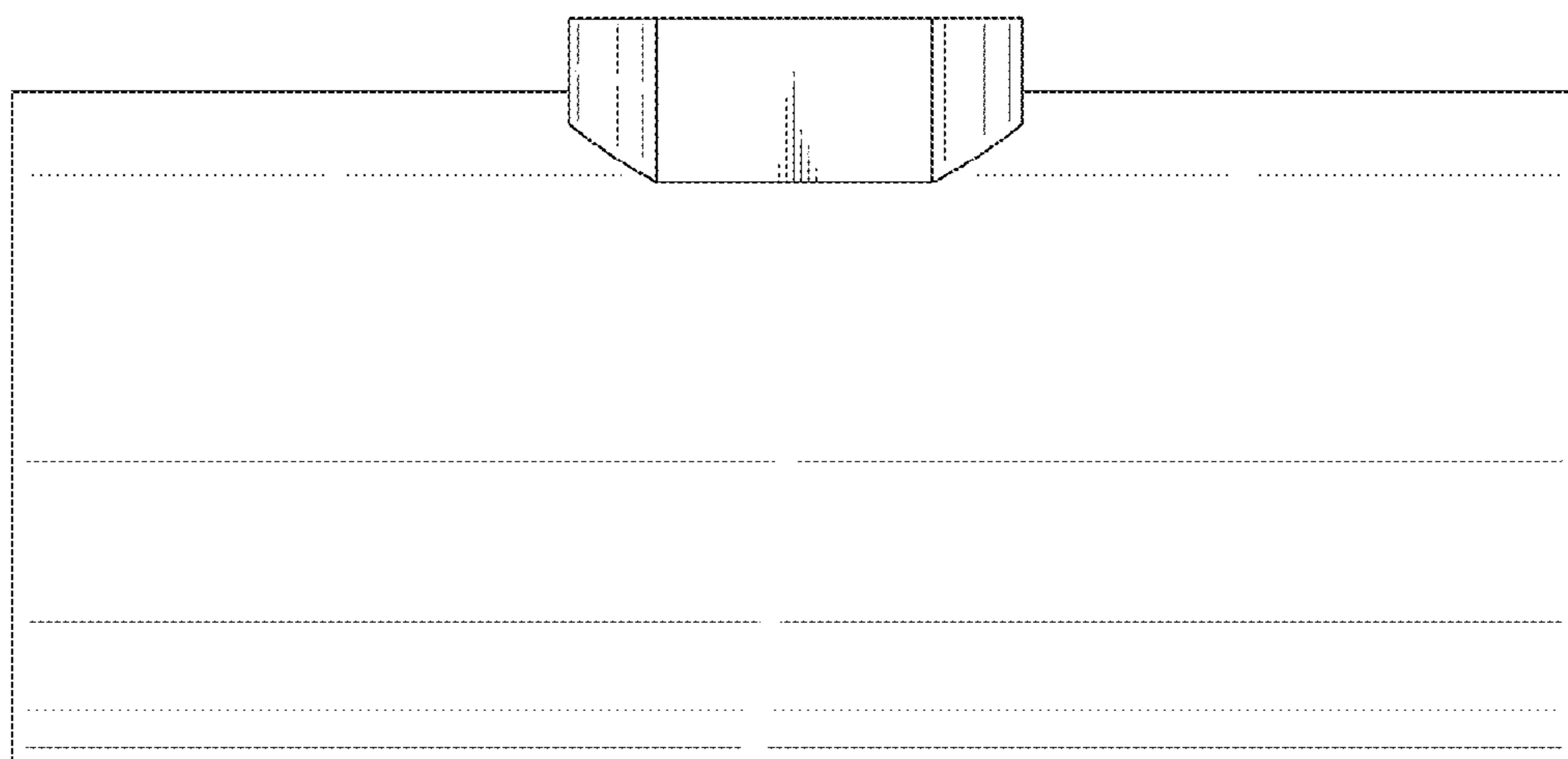


Fig. 4

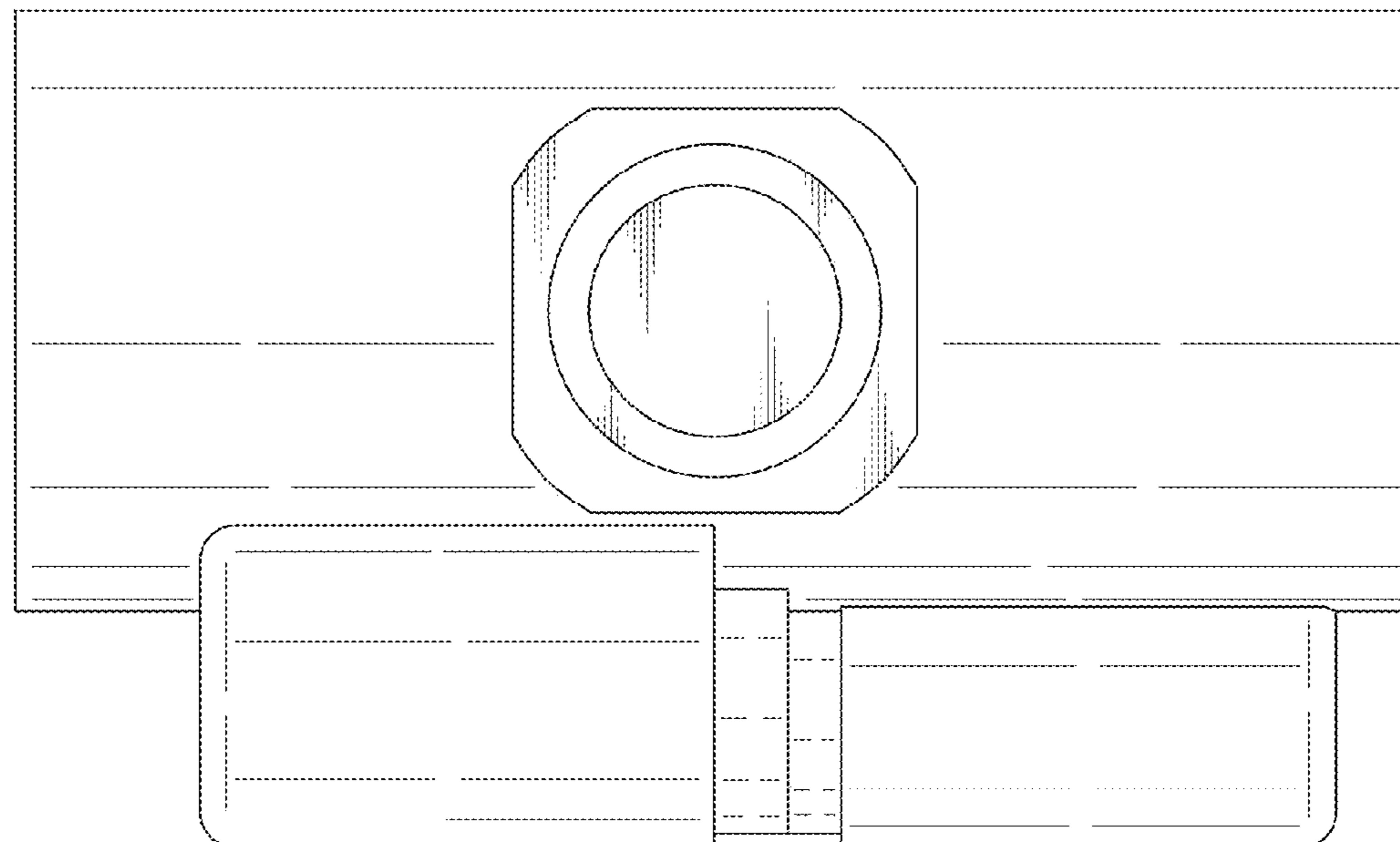
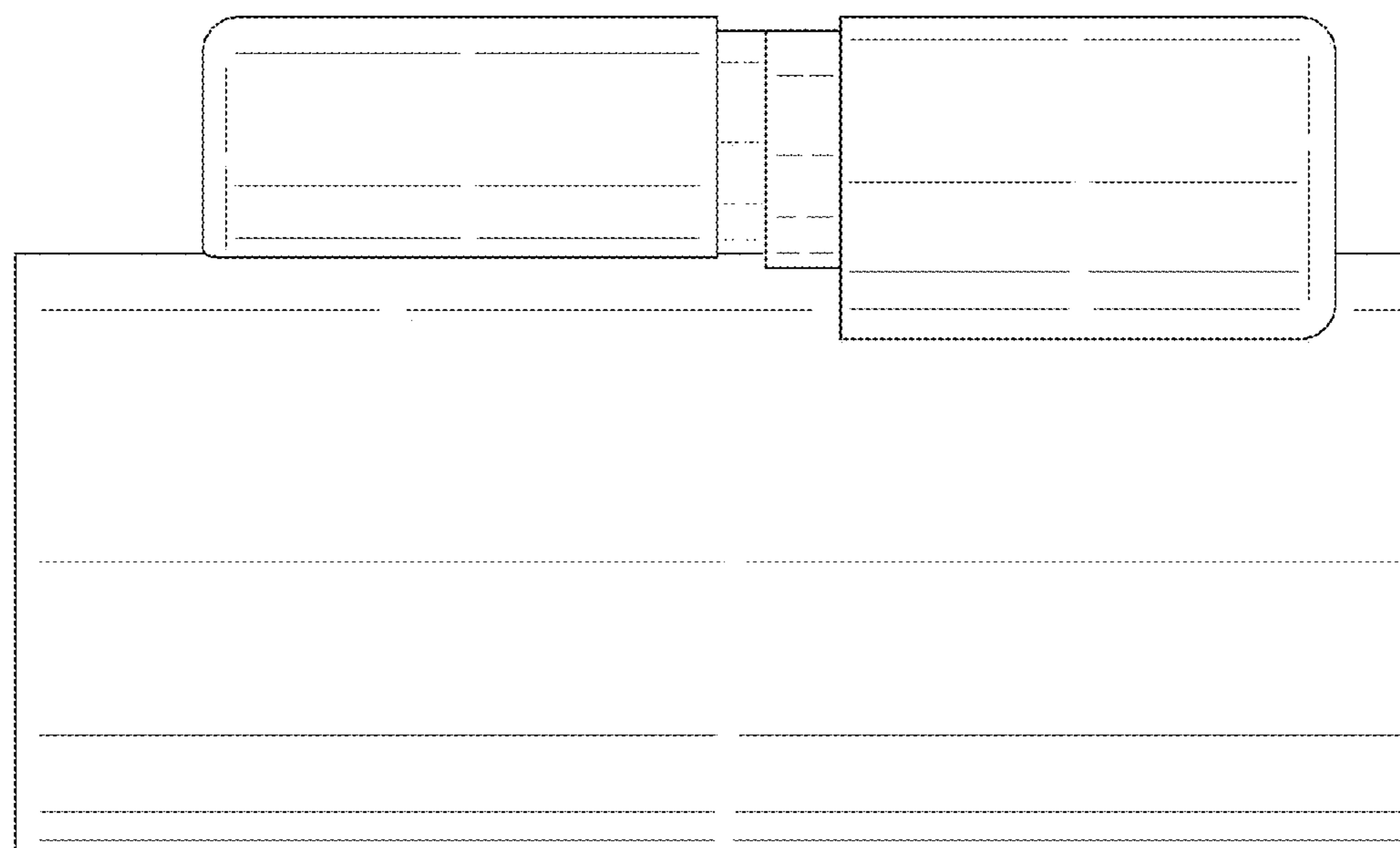
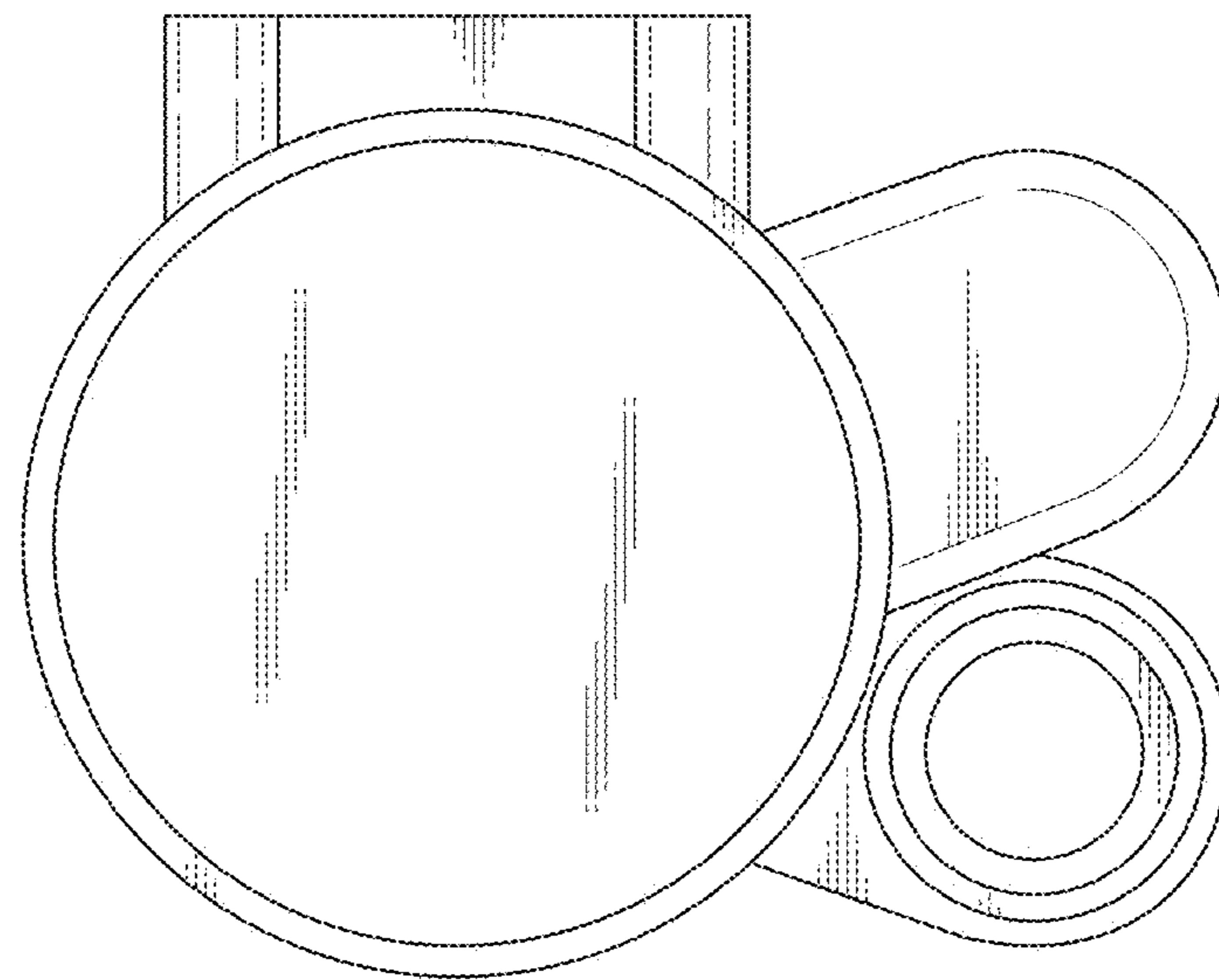


Fig. 5



**Fig. 6**



**Fig. 7**

