United States Patent [19]

Updegrave

[11] **Des. 246,665**

[45] ** **Dec. 13, 1977**

[54] **DENTAL RADIOGRAPHIC APPARATUS FOR FORMING AND CONFINING AN X-RAY BEAM**

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[**] Term: **14 Years**

[21] Appl. No.: **773,662**

[22] Filed: **Mar. 2, 1977**

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 672,330, March 31, 1976, abandoned.

[51] **Int. Cl.** ..... **D24—01**
[52] **U.S. Cl.** **D24/2**
[58] **Field of Search** D24/2, 5; 250/479, 490

[56] **References Cited**

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Primary Examiner—Bernard Ansher
Attorney, Agent, or Firm—Norman L. Norris

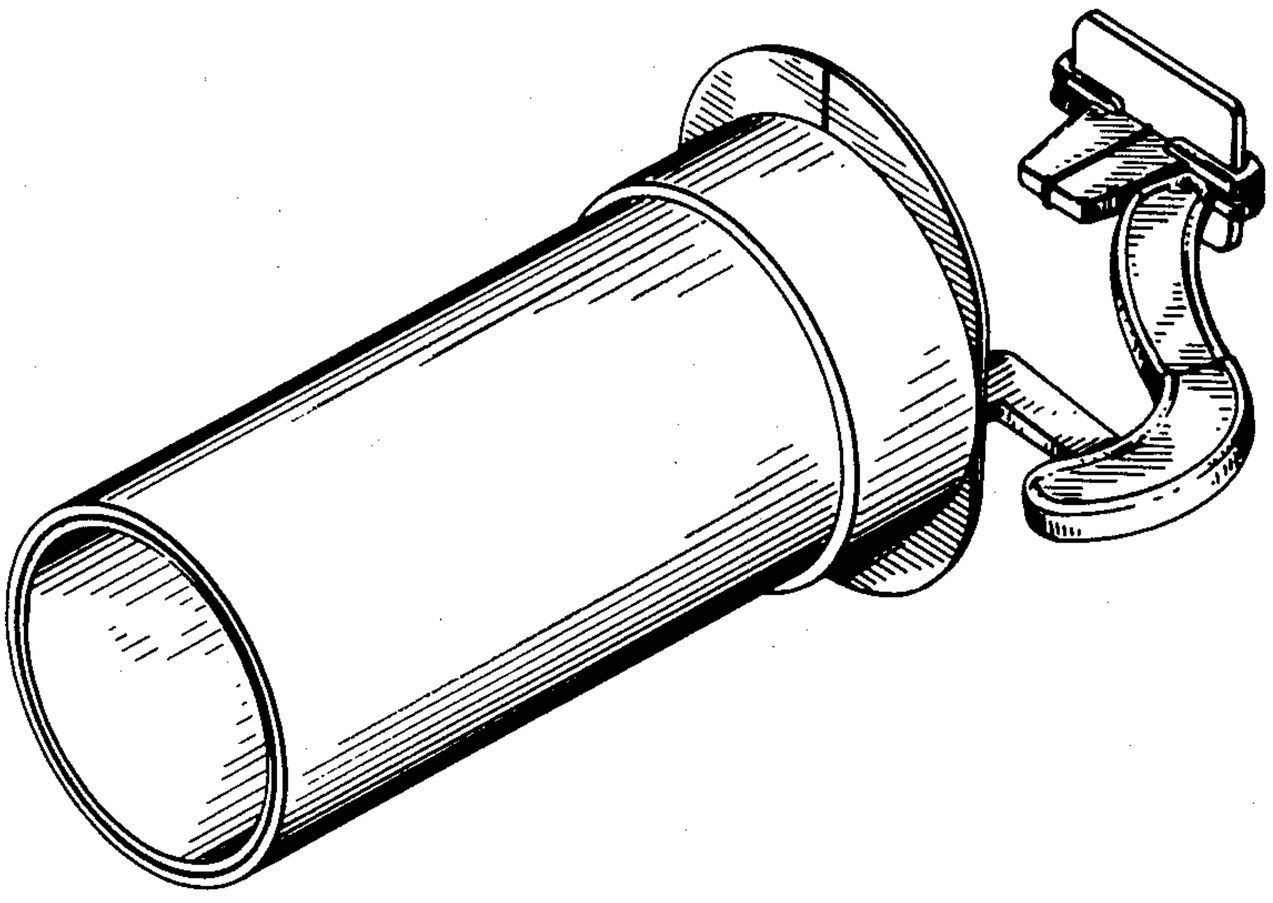
[57] **CLAIM**

The ornamental design for a dental radiographic apparatus for forming and confining an X-ray beam, substantially as shown and described.

DESCRIPTION

FIG. **1** is a top perspective view of a dental radiographic apparatus for forming and confining an X-ray beam, showing my new design;

FIG. **2** is a side elevation thereof;
FIG. **3** is a bottom plan view thereof;
FIG. **4** is a top plan view thereof;
FIG. **5** is an end elevation as seen from the left of FIG. **1;**
FIG. **6** is an end elevation as seen from the right of FIG. **1;**
FIG. **7** is an end elevation as seen from the right of FIG. **1,** with the freely separable film holding and alignment apparatus omitted for clarity of illustration;
FIG. **8** is a top plan view of a second modified embodiment of the dental radiographic apparatus illustrated in FIG. **1;**
FIG. **9** is a side elevation thereof;
FIG. **10** is a bottom plan view thereof;
FIG. **11** is an elevation as seen from the side opposite FIG. **9;**
FIG. **12** is an end elevation as seen from the left of FIG. **8;**
FIG. **13** is an end elevation as seen from the right of FIG. **8;**
FIG. **14** is an end elevation as seen from the left of FIG. **8,** with the freely separable film holding and alignment apparatus omitted for clarity of illustration;
FIG. **15** is a top perspective view of the collimator tube and cap shown separately for clarity of illustration; said unit is understood to be common to both embodiments shown in FIGS. **1** and **8;**
FIG. **16** is a side elevation thereof;
FIG. **17** is a left end elevation of a third modified form of the member disclosed in FIGS. **7** and **14;**
FIG. **18** is a right end elevation thereof;
FIG. **19** is a top perspective view of the cap illustrated in FIG. **17** and shown separately for clarity of illustration;
FIG. **20** is a left end elevation thereof;
FIG. **21** is a side elevation thereof; and
FIG. **22** is a right end elevation thereof.
The collimator tube is shown broken away in FIGS. **1** and **2** to indicate indeterminate length.



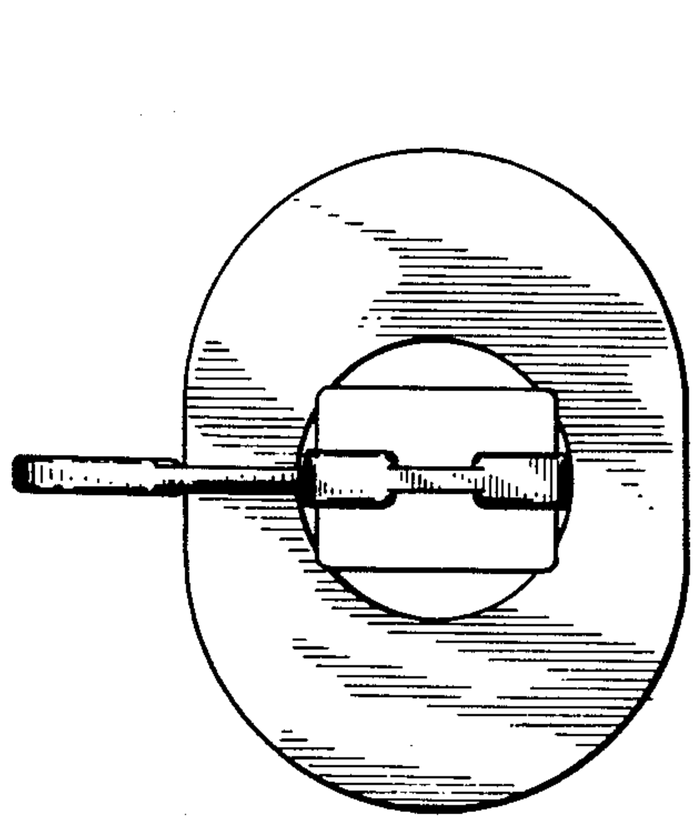
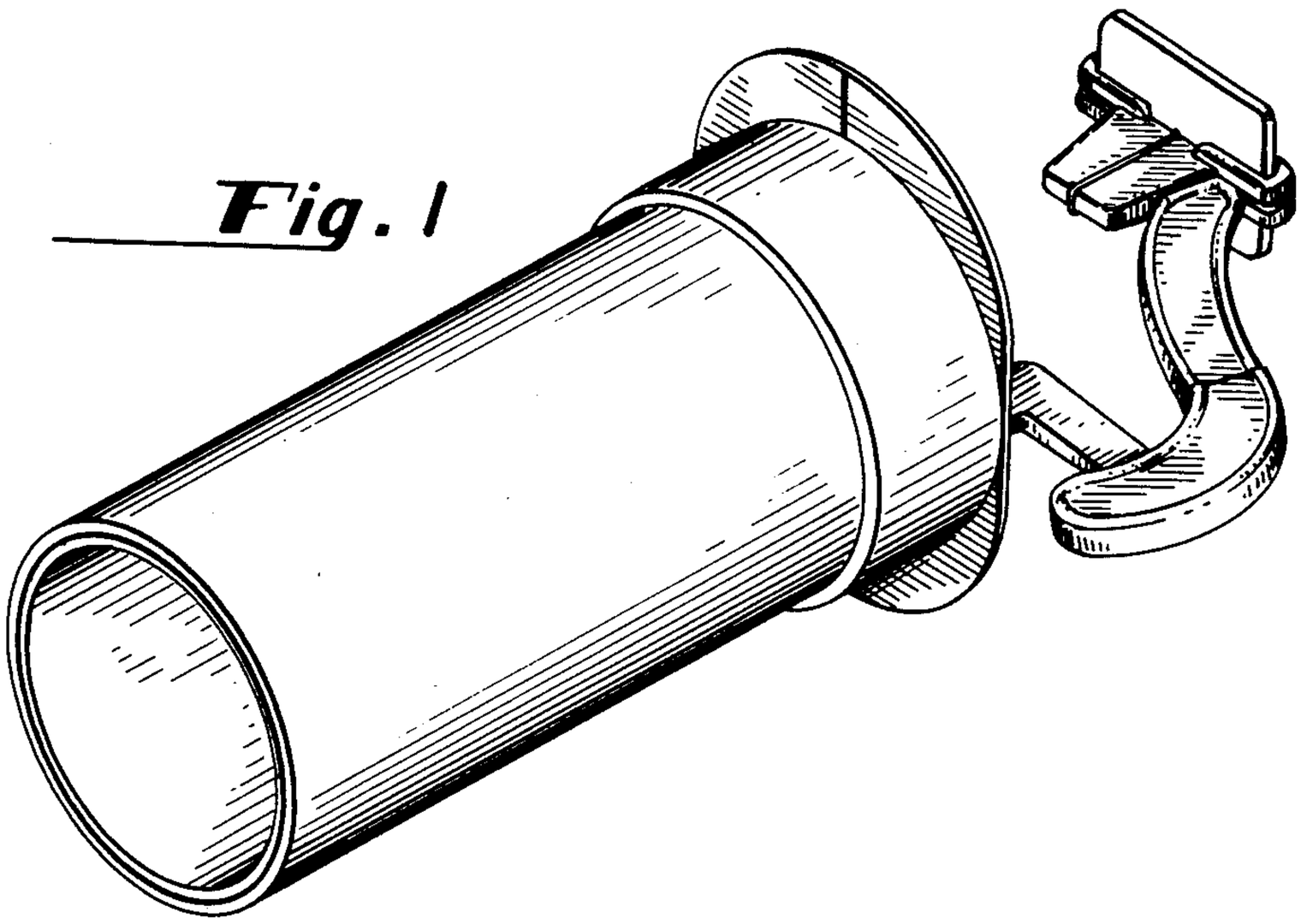


Fig. 1



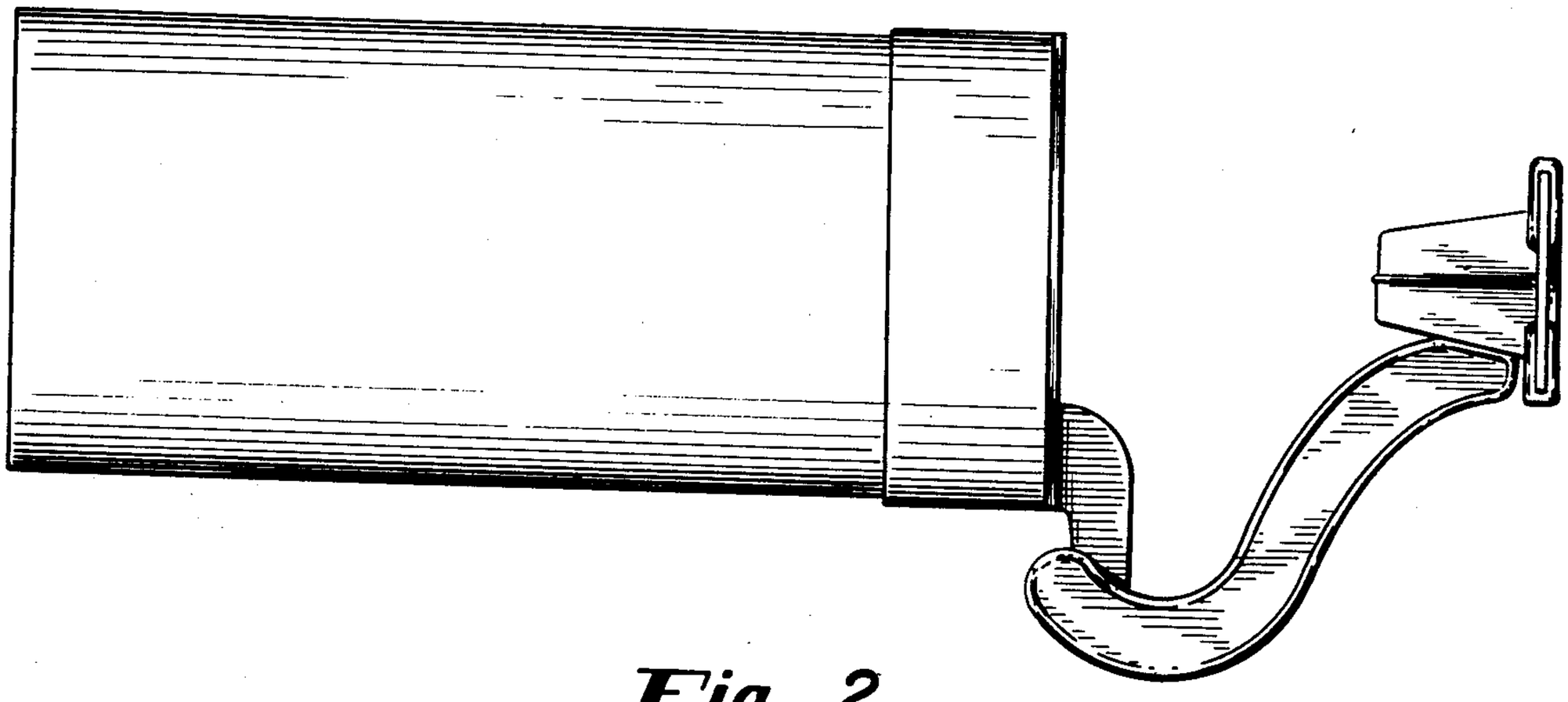
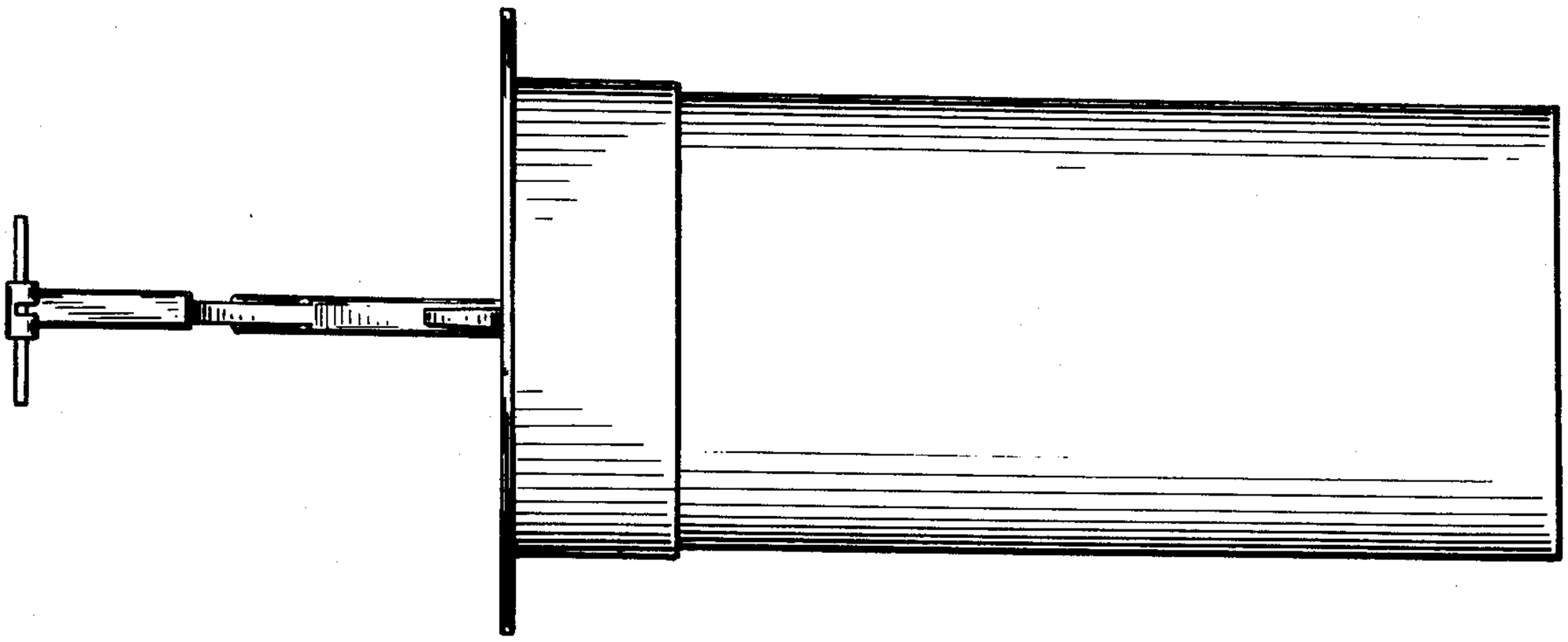


Fig. 2

Fig. 3



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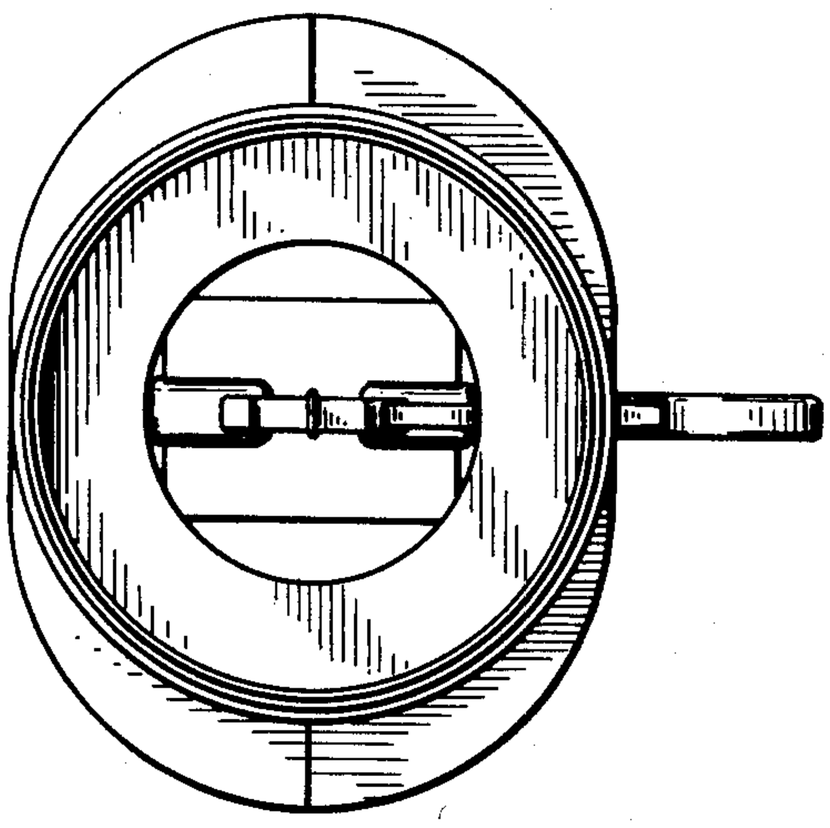

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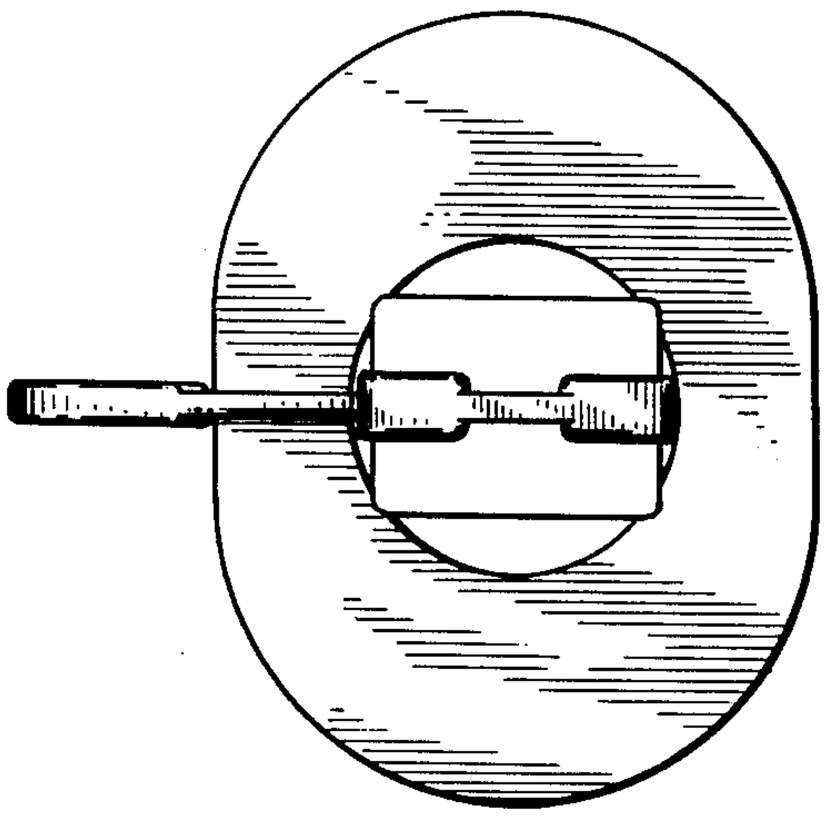

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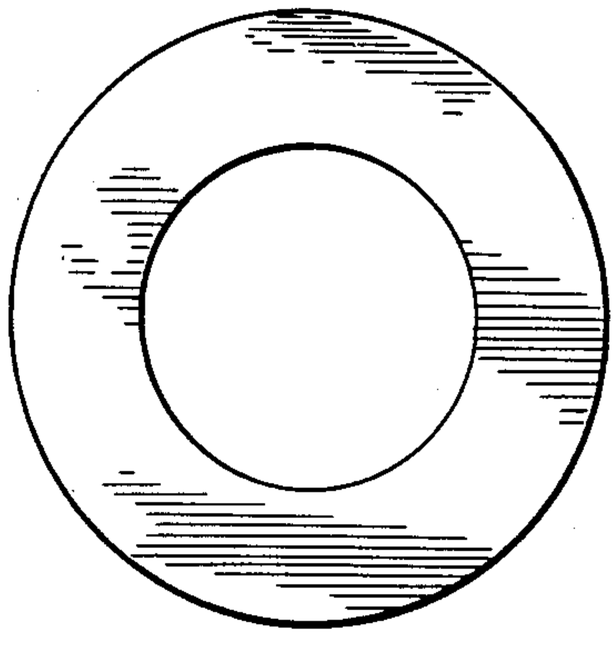

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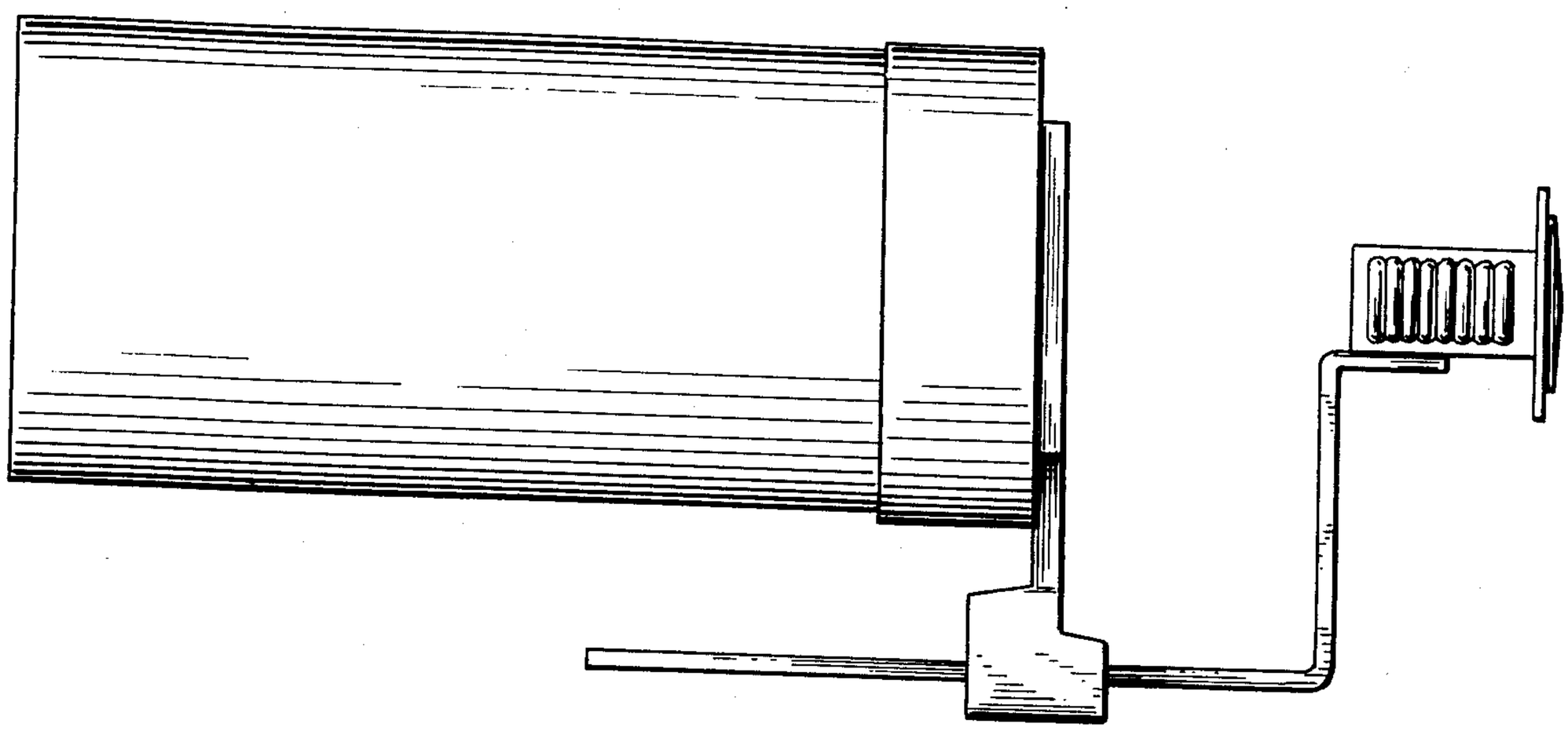

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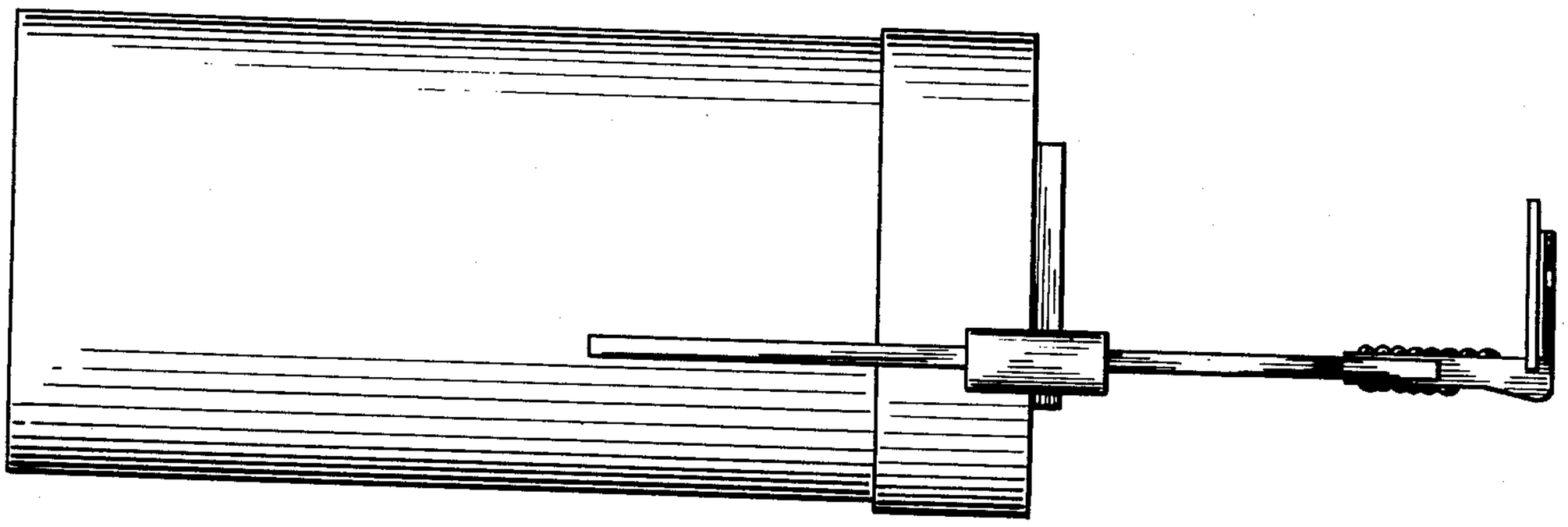

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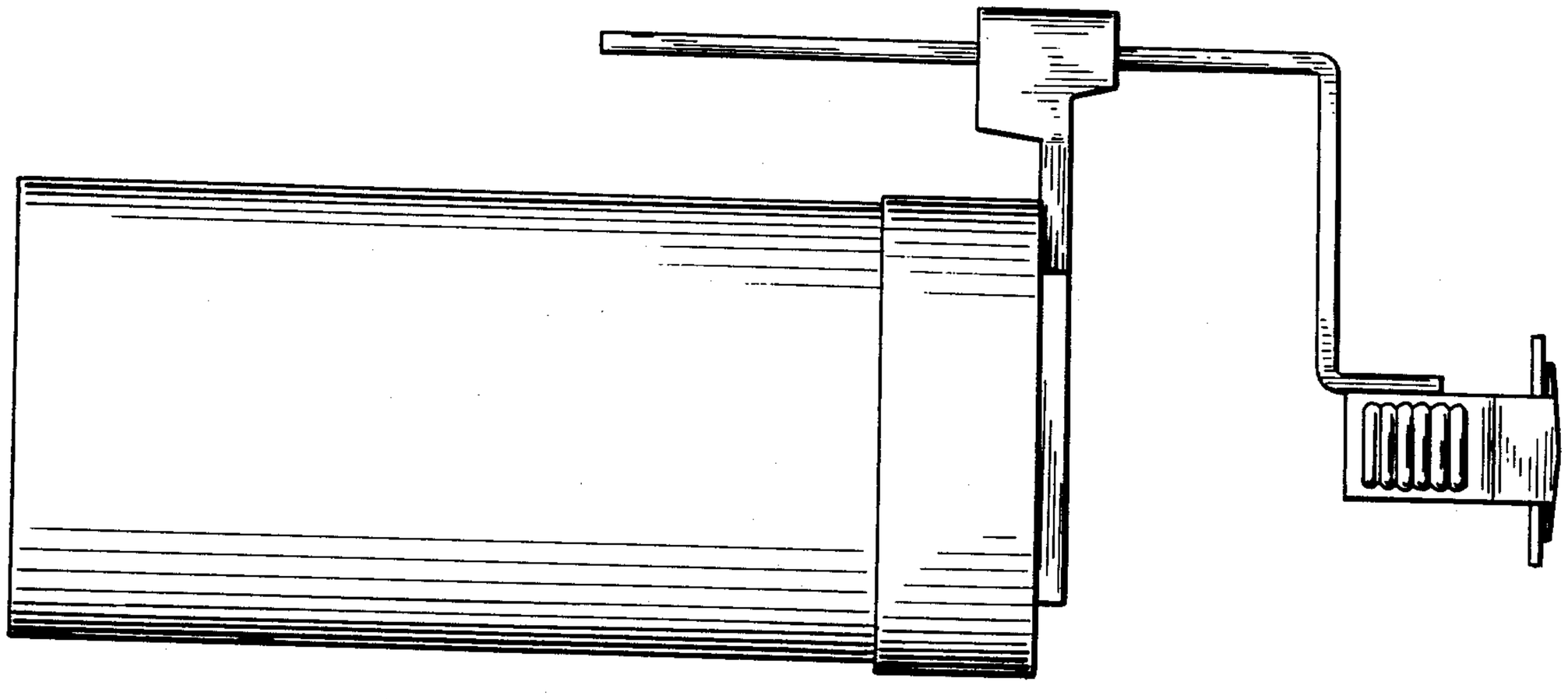

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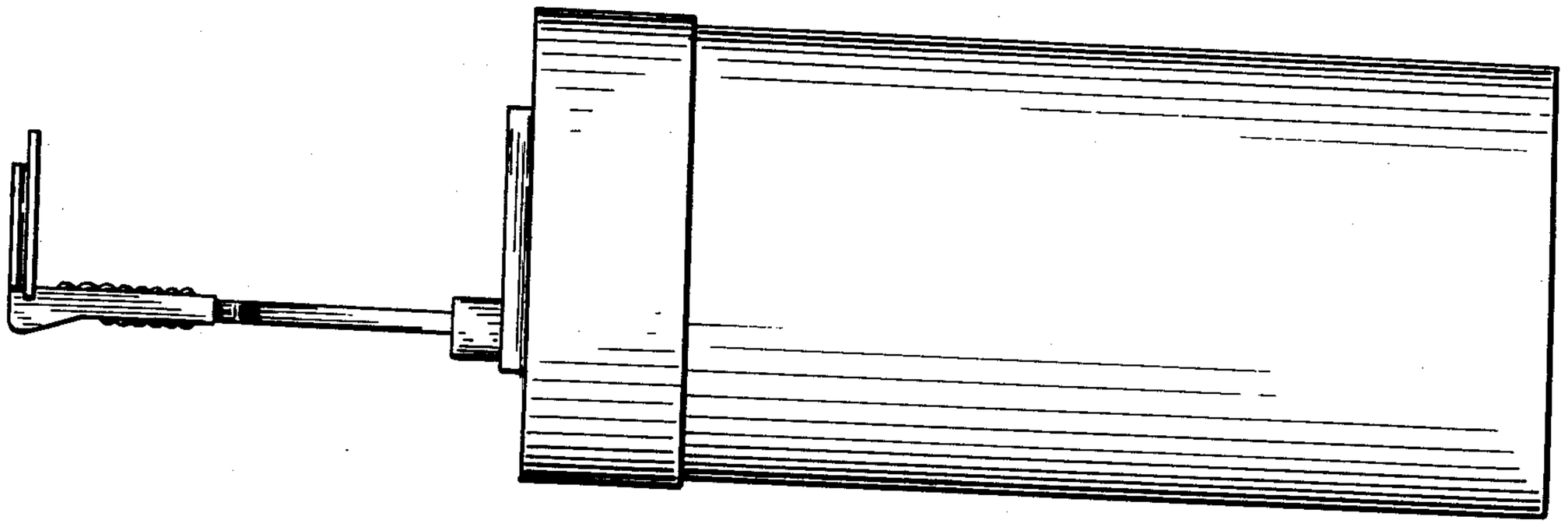

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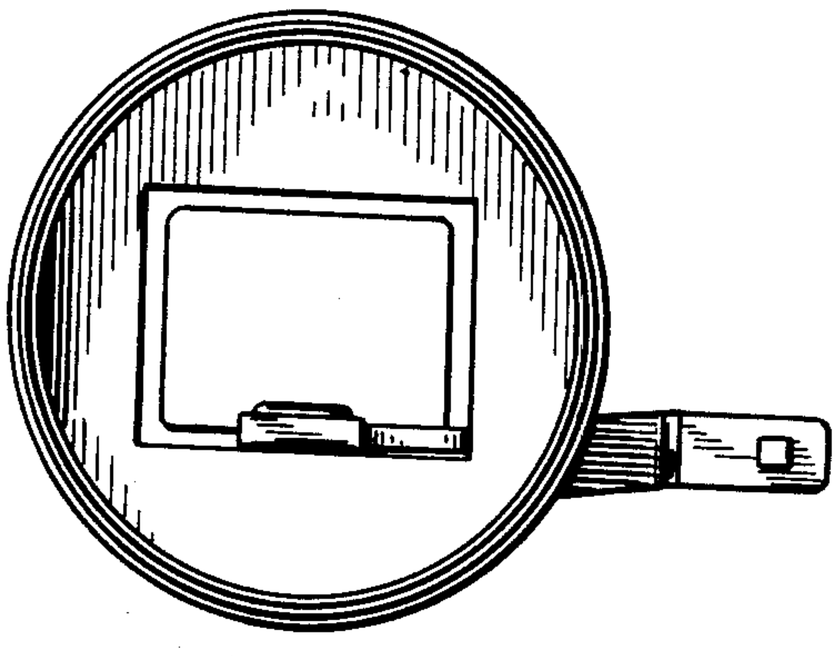


Fig. 12

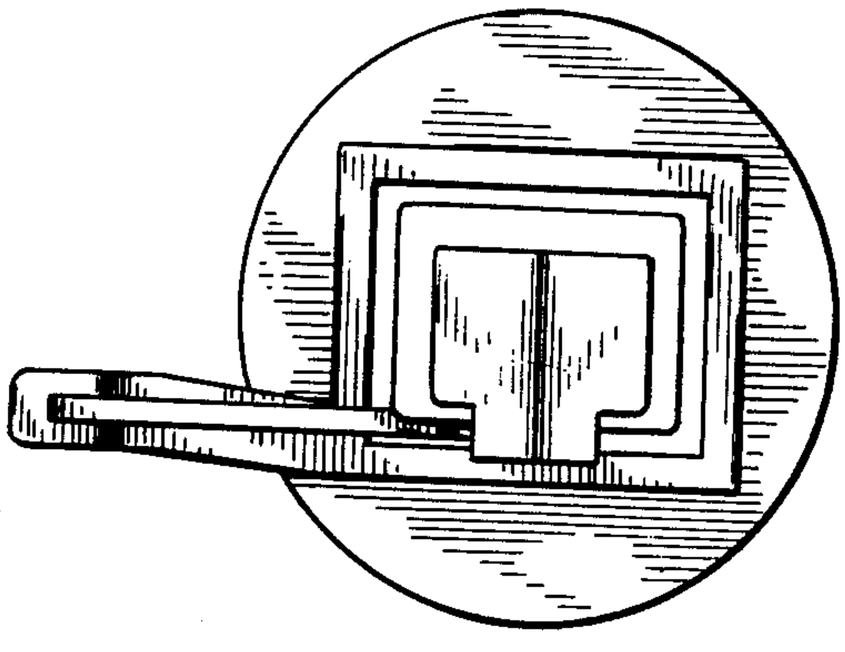
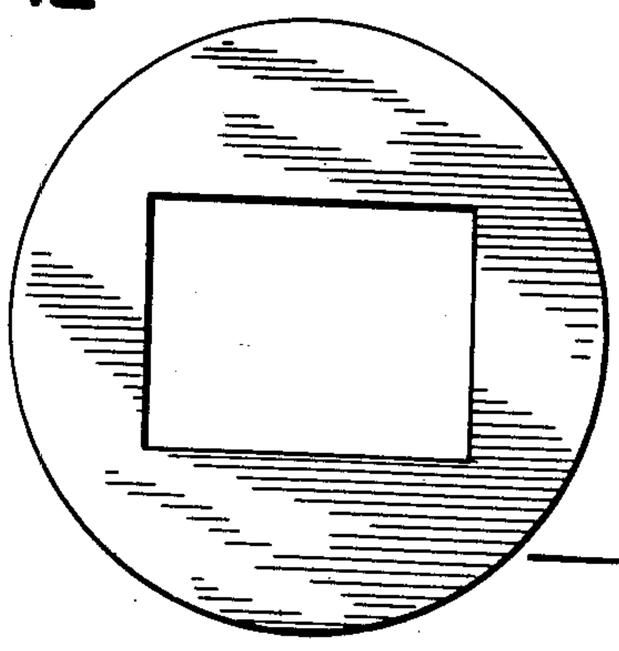


Fig. 13



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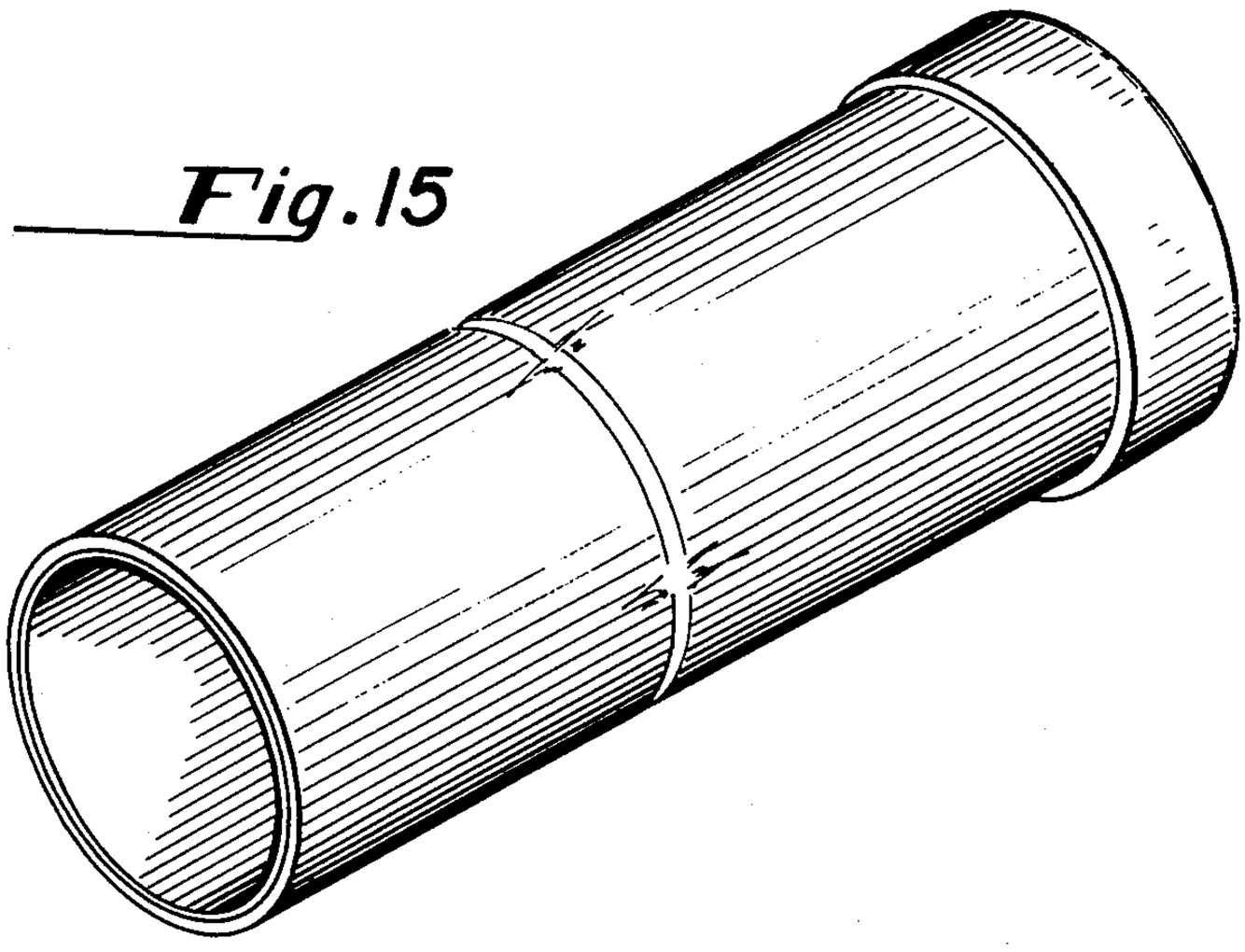
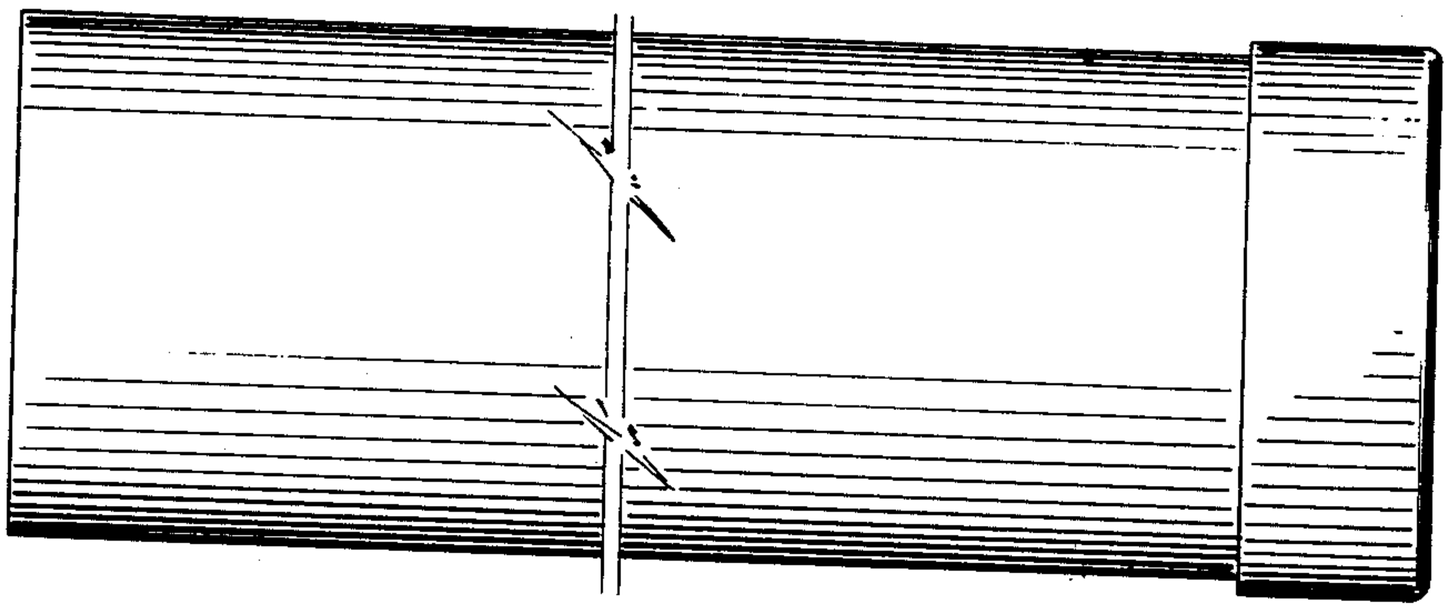


Fig. 15



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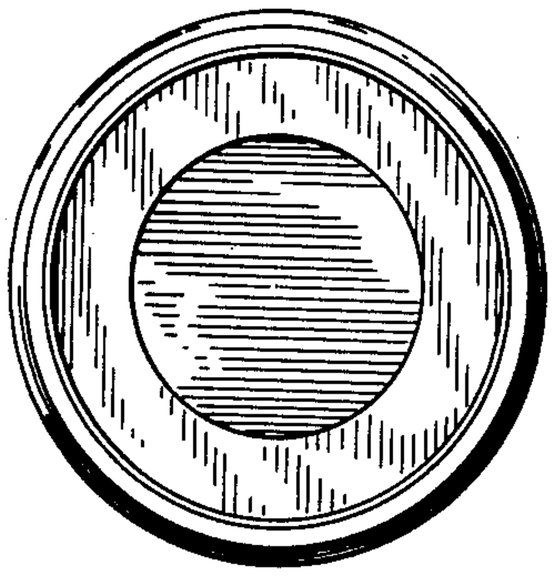
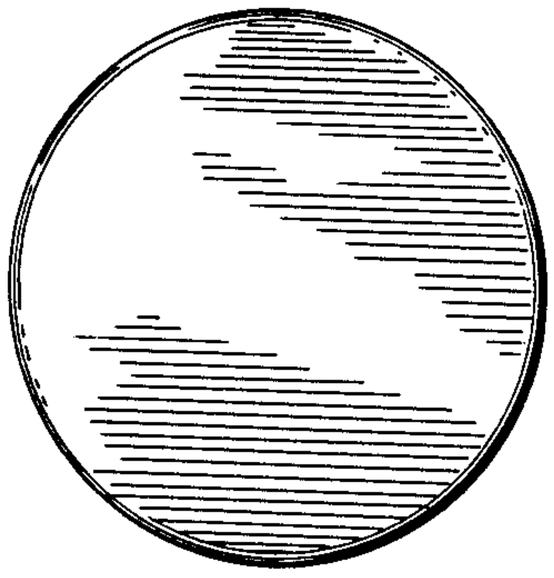


Fig. 17



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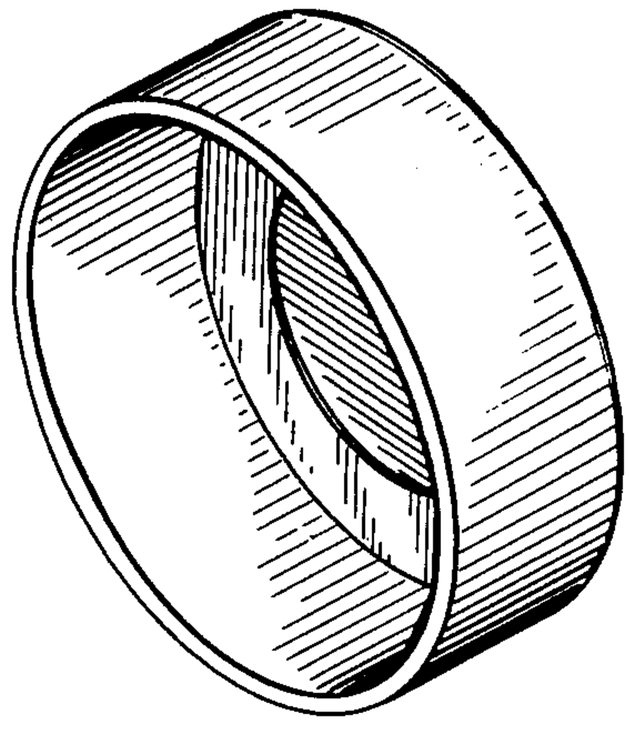

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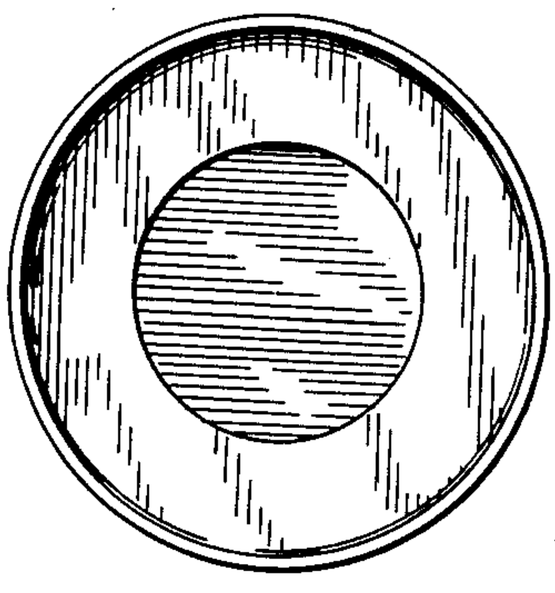

Fig. 20

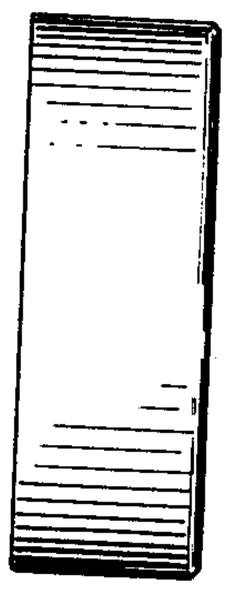

Fig. 21

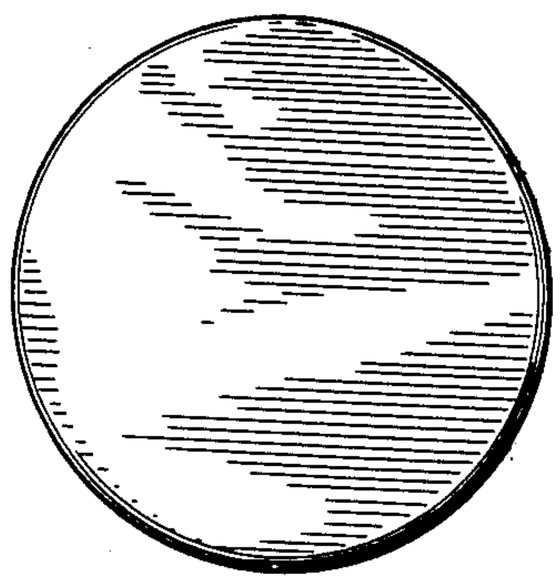

Fig. 22