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

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(45) **Date of Patent: ** Feb. 21, 2023**

(54) **IV TUBE CARRIAGE DEVICE**

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(73) Assignee: **THE CLEVELAND CLINIC FOUNDATION**, Cleveland, OH (US)

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

(21) Appl. No.: **29/769,246**

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(51) **LOC (14) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/128**; D8/382

(58) **Field of Classification Search**
USPC D24/108, 127, 128, 129; D23/259, 262, D23/249; D8/382, 394

(Continued)

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Primary Examiner — Natasha Vujcic
Assistant Examiner — Gilbert B Ford
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(57) **CLAIM**

We claim, the ornamental design for an IV tube carriage device, as shown and described.

DESCRIPTION

FIGS. **1-8** are drawings of a first embodiment of the IV tube carriage device, wherein:
FIG. **1** is a top perspective view of an IV-tube cradle of the IV tube carriage device;
FIG. **2** is a bottom perspective view of the IV-tube cradle thereof;
FIG. **3** is a left-side view of the IV-tube cradle;
FIG. **4** is a front view of the IV-tube cradle;
FIG. **5** is a right-side view of the IV-tube cradle;
FIG. **6** is a rear view of the IV-tube cradle;
FIG. **7** is a top view of the IV-tube cradle;
FIG. **8** is a bottom view of the IV-tube cradle; and
FIG. **9** is a perspective view of the first embodiment of the IV tube carriage device illustrating the IV-tube cradle in a position of use.
FIGS. **10-18** are drawings of a second embodiment of the IV tube carriage device, wherein:
FIG. **10** is a top perspective view of an IV-tube cradle of the IV tube carriage device;
FIG. **11** is a bottom perspective view of the IV-tube cradle thereof;
FIG. **12** is a left-side view of the IV-tube cradle;
FIG. **13** is a front view of the IV-tube cradle;
FIG. **14** is a right-side view of the IV-tube cradle;
FIG. **15** is a rear view of the IV-tube cradle;
FIG. **16** is a top view of the IV-tube cradle;
FIG. **17** is a bottom view of the IV-tube cradle; and
FIG. **18** is a perspective view of the second embodiment of the IV tube carriage device illustrating the IV-tube cradle in a position of use.
FIGS. **19-27** are drawings of a third embodiment of the IV tube carriage device, wherein:
FIG. **19** is a top perspective view of an IV-tube cradle of the IV tube carriage device;

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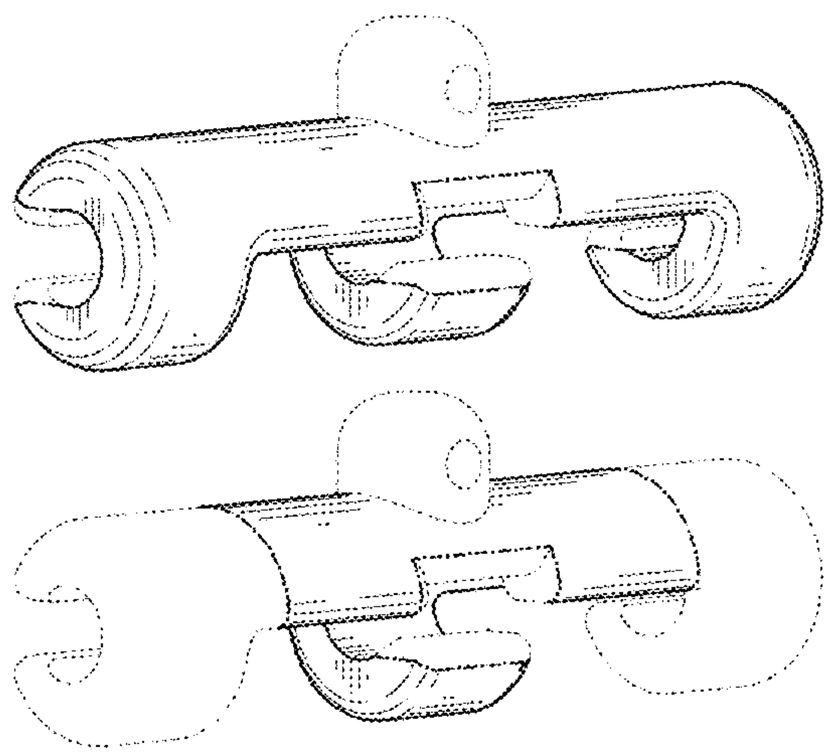

FIG. **20** is a bottom perspective view of the IV-tube cradle thereof;
FIG. **21** is a left-side view of the IV-tube cradle;
FIG. **22** is a front view of the IV-tube cradle;
FIG. **23** is a right-side view of the IV-tube cradle;
FIG. **24** is a rear view of the IV-tube cradle;
FIG. **25** is a top view of the IV-tube cradle;
FIG. **26** is a bottom view of the IV-tube cradle; and,
FIG. **27** is a perspective view of the third embodiment of the IV tube carriage device illustrating the IV-tube cradle in a position of use.

Uniform broken lines in the figures illustrate portions of the IV tube carriage device and its environment which form no part of the claimed design.

The dot-dash broken lines in the figures illustrate boundaries and form no part of the claimed design.

1 Claim, 9 Drawing Sheets

(58) **Field of Classification Search**
CPC E02D 5/02; E02D 5/04; E02D 5/06; E02D 5/08
See application file for complete search history.

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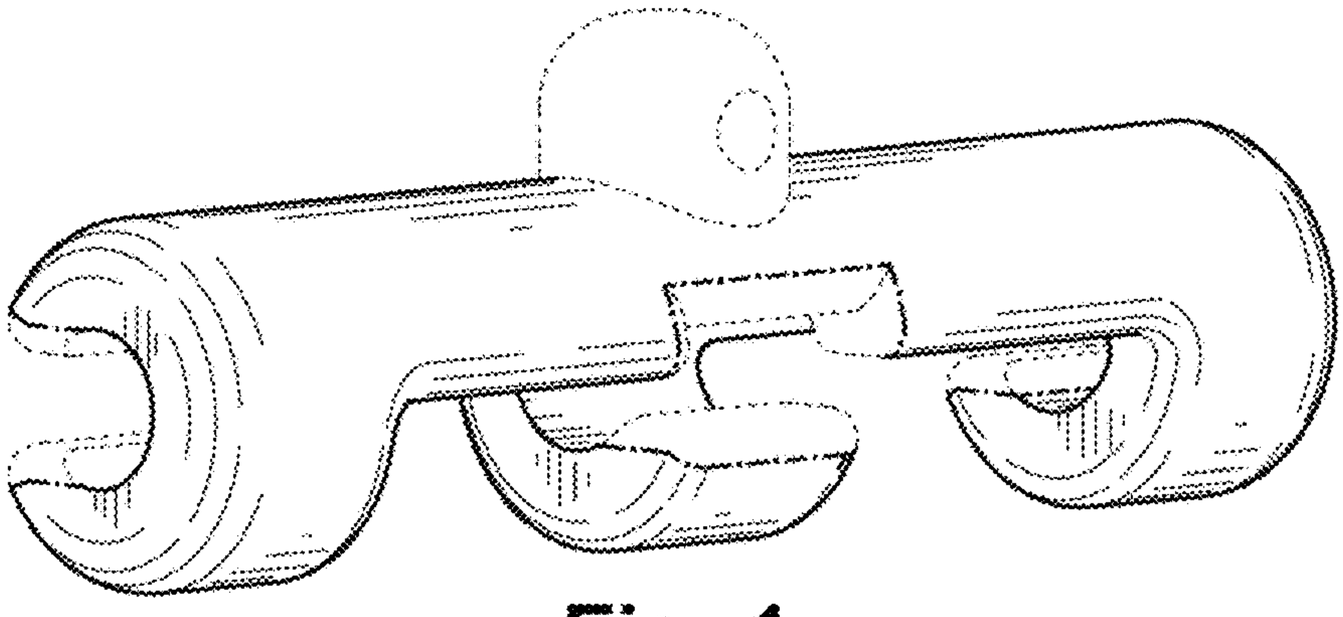


Fig. 1

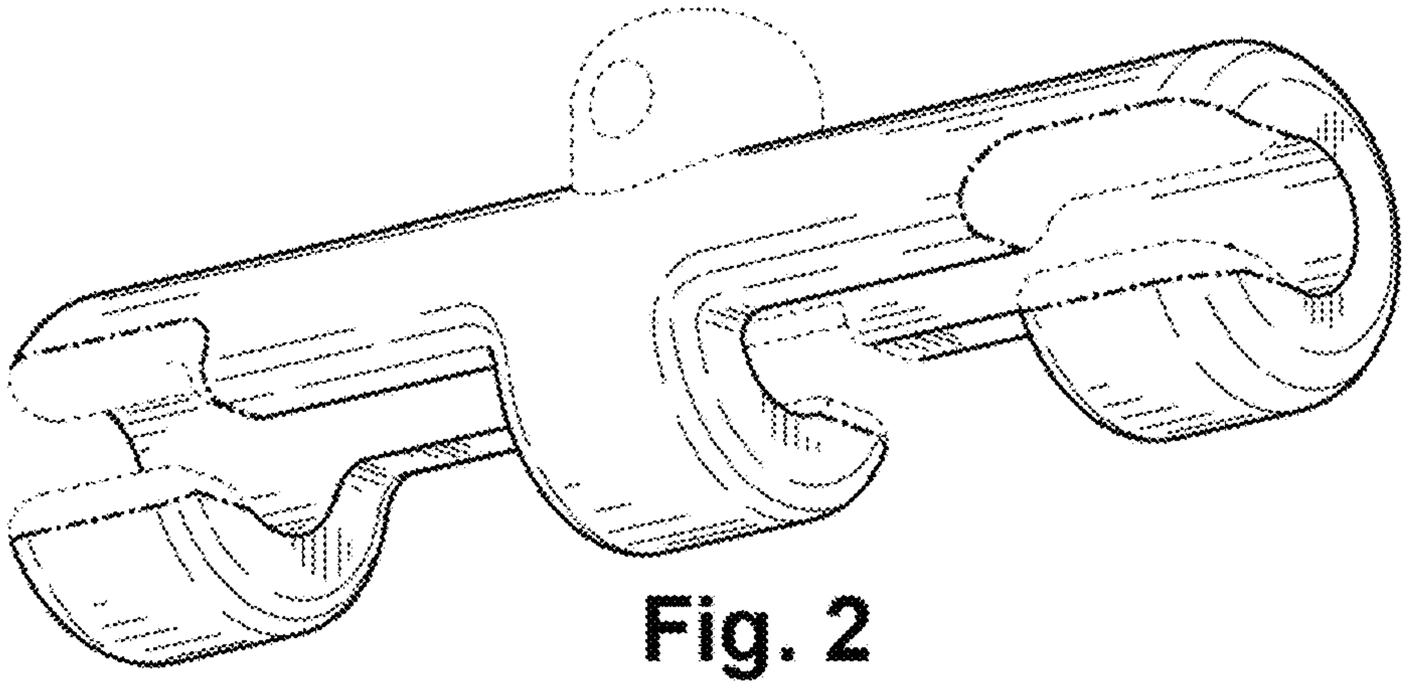
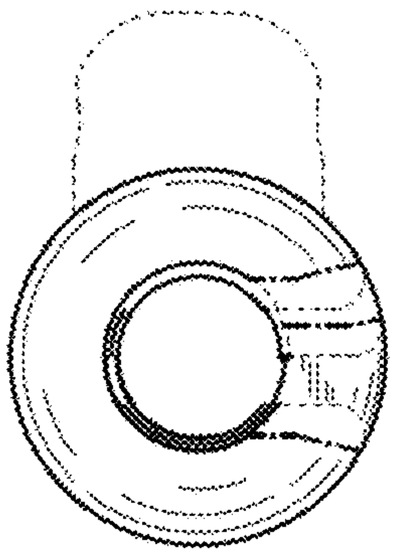


Fig. 2



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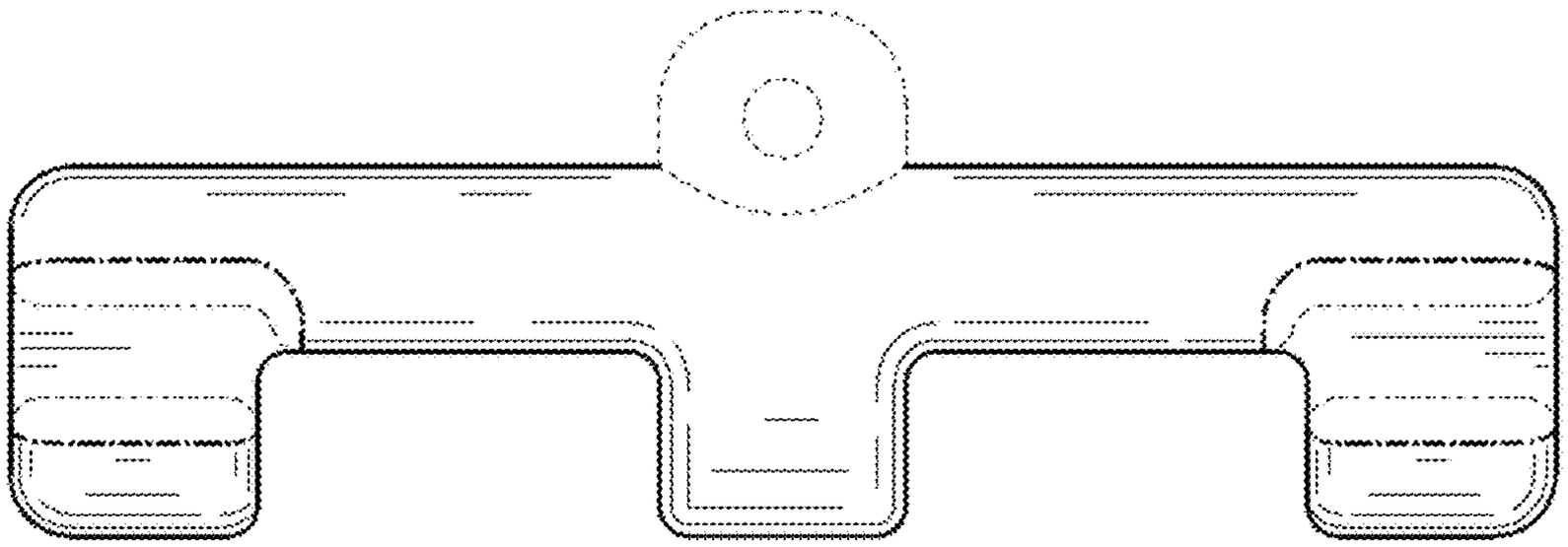

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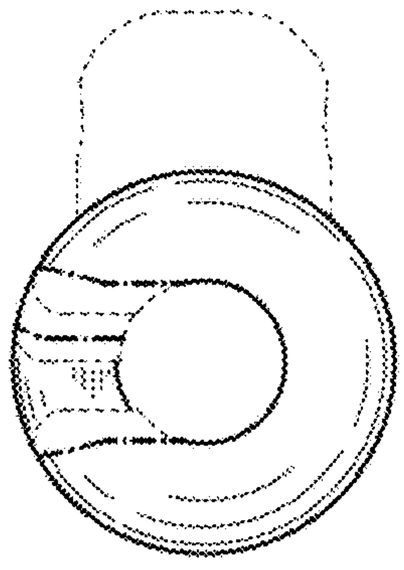

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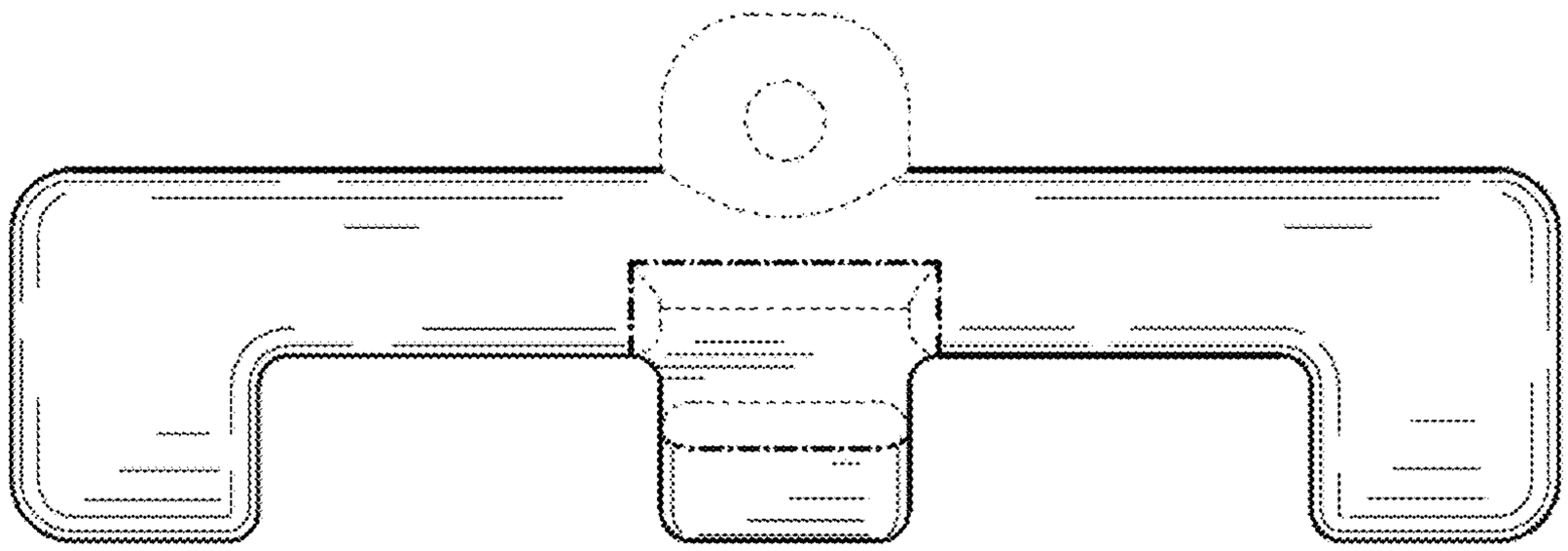

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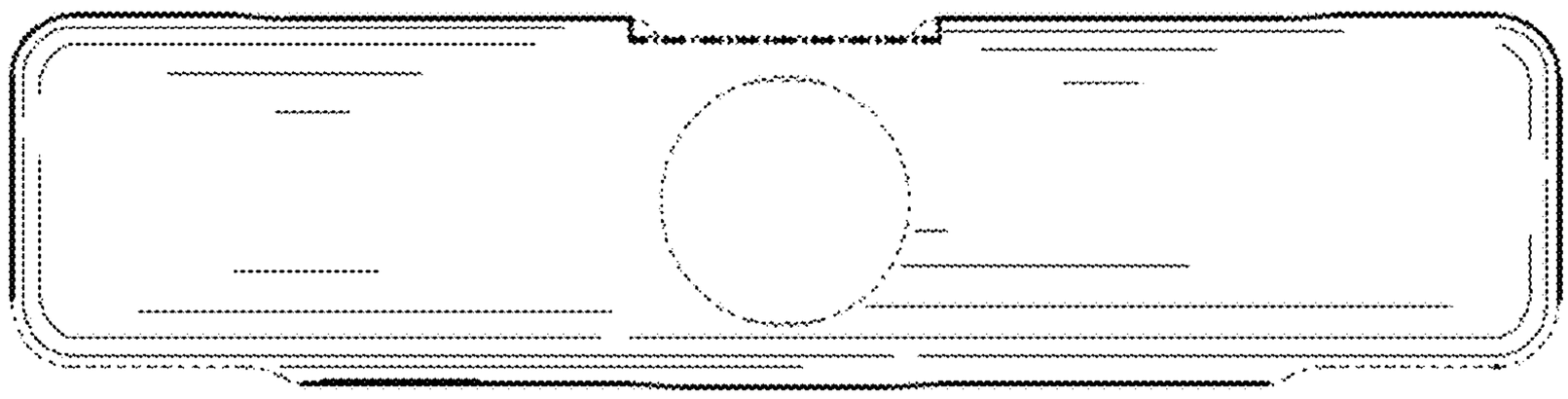

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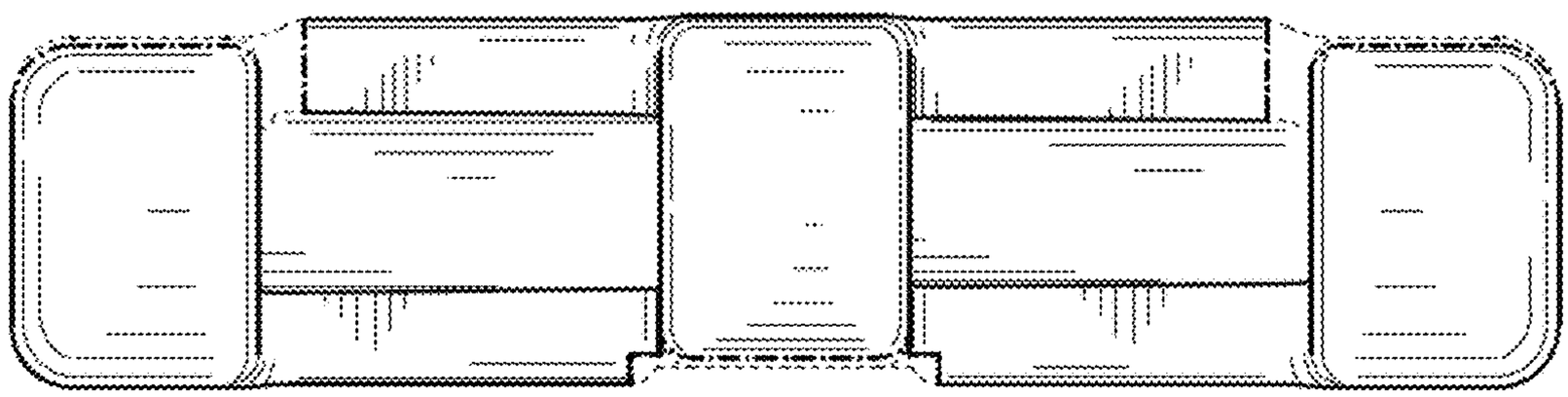
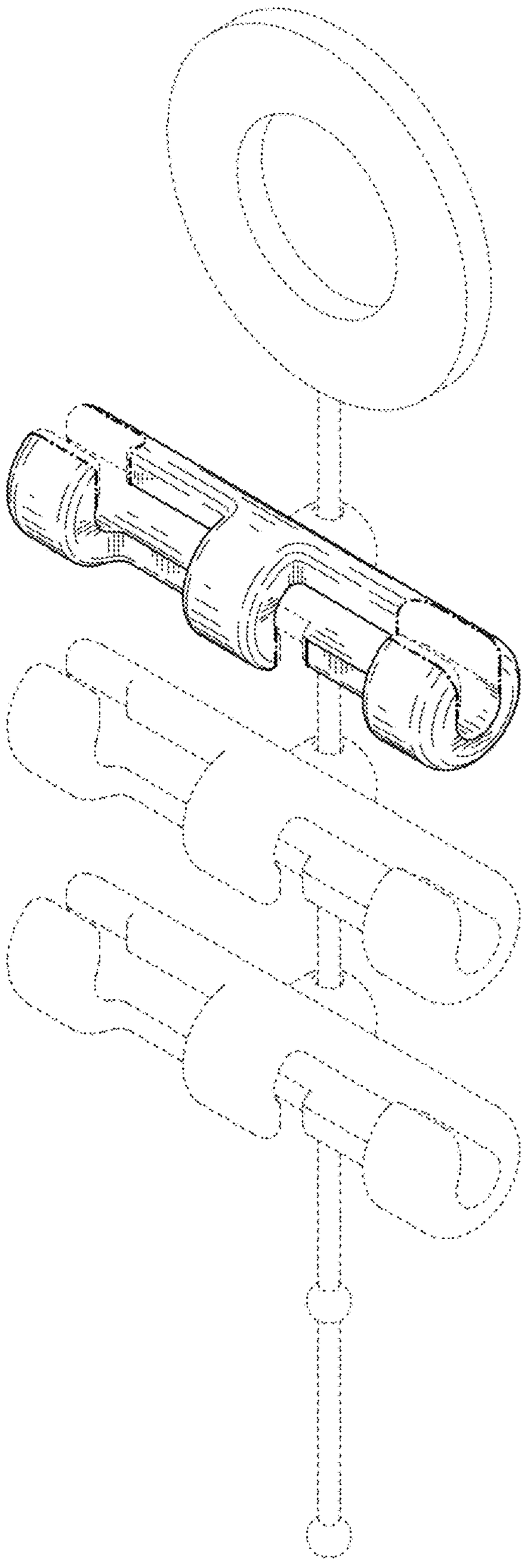


Fig. 8



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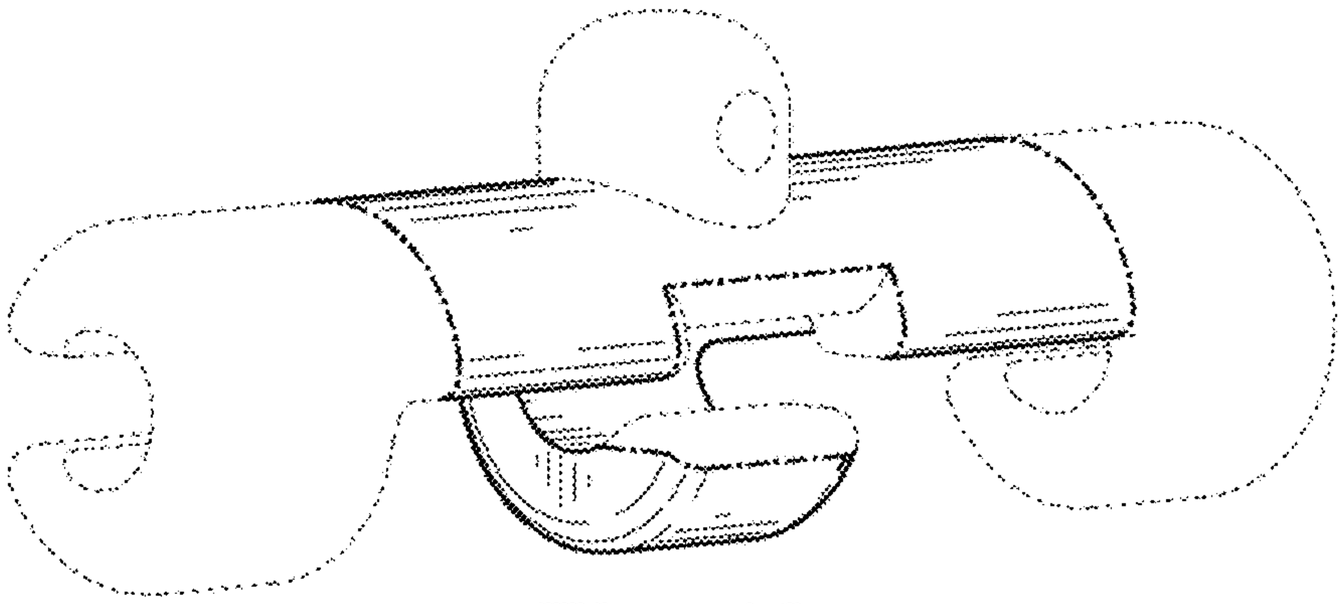

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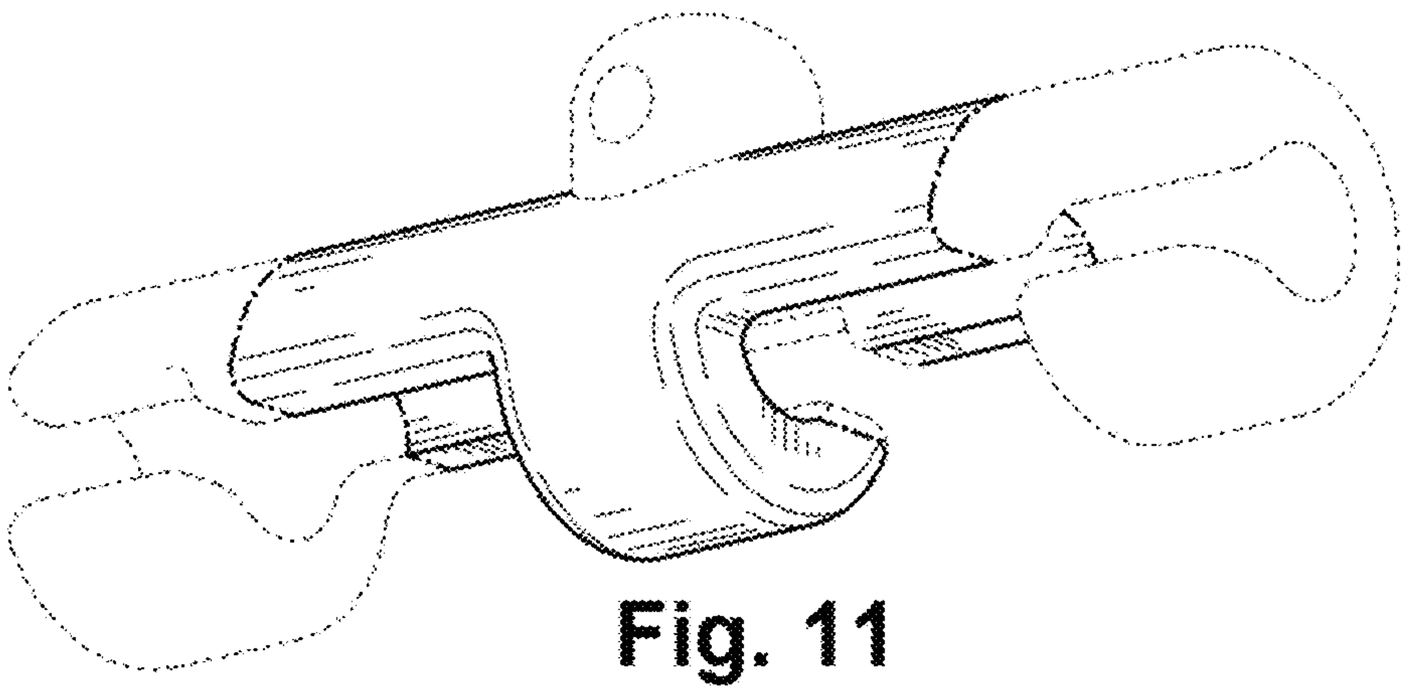

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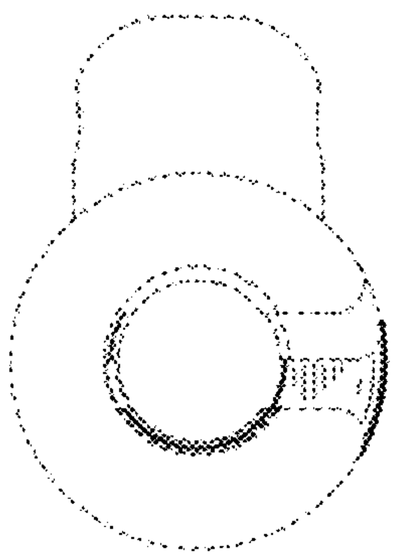

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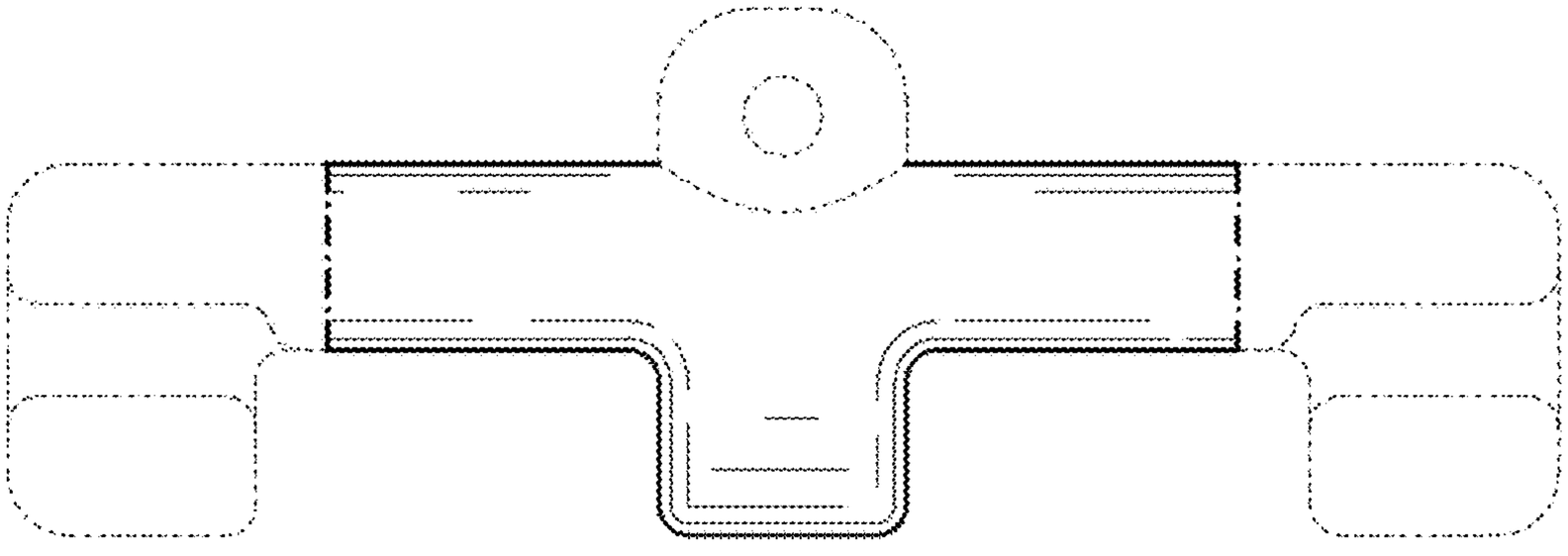

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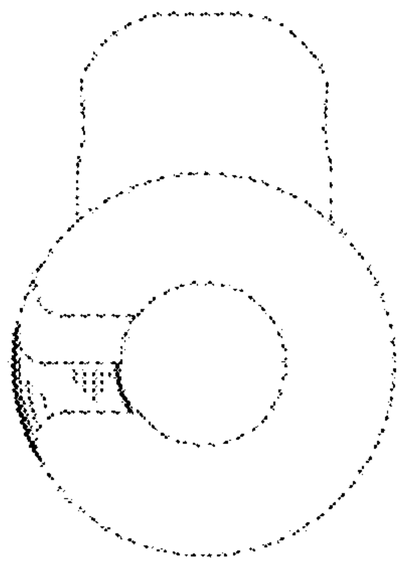

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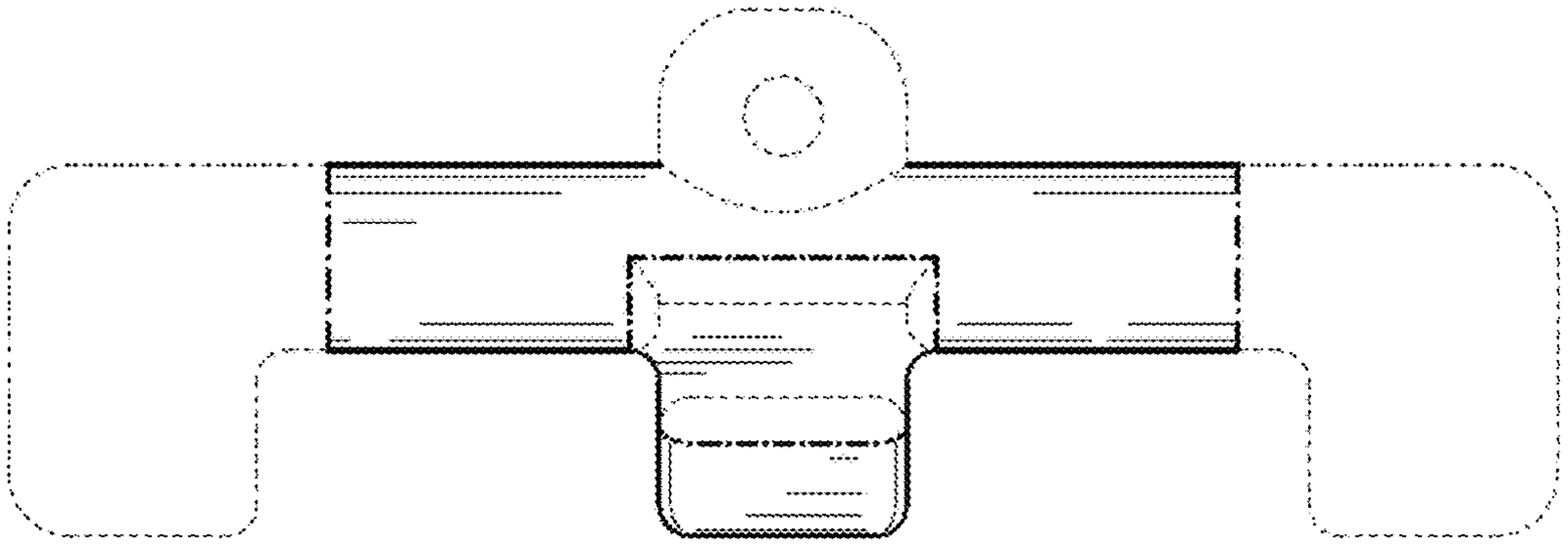

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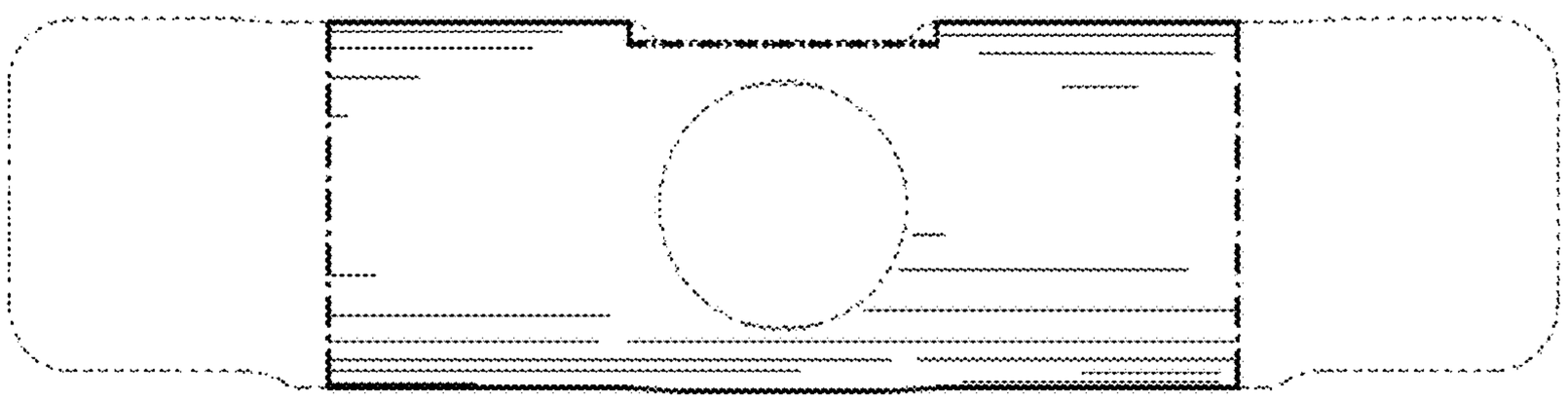

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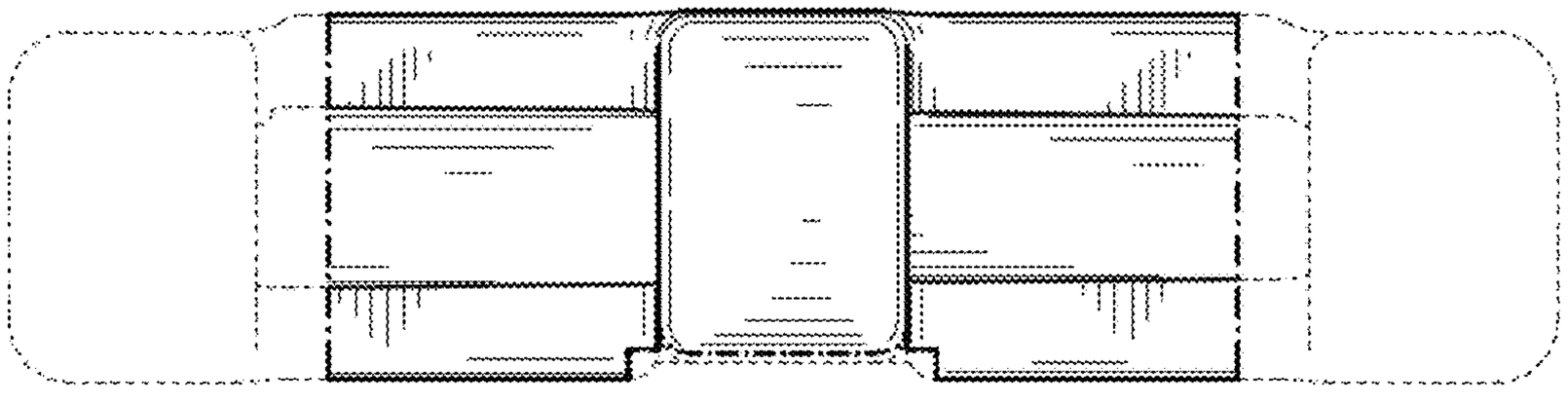

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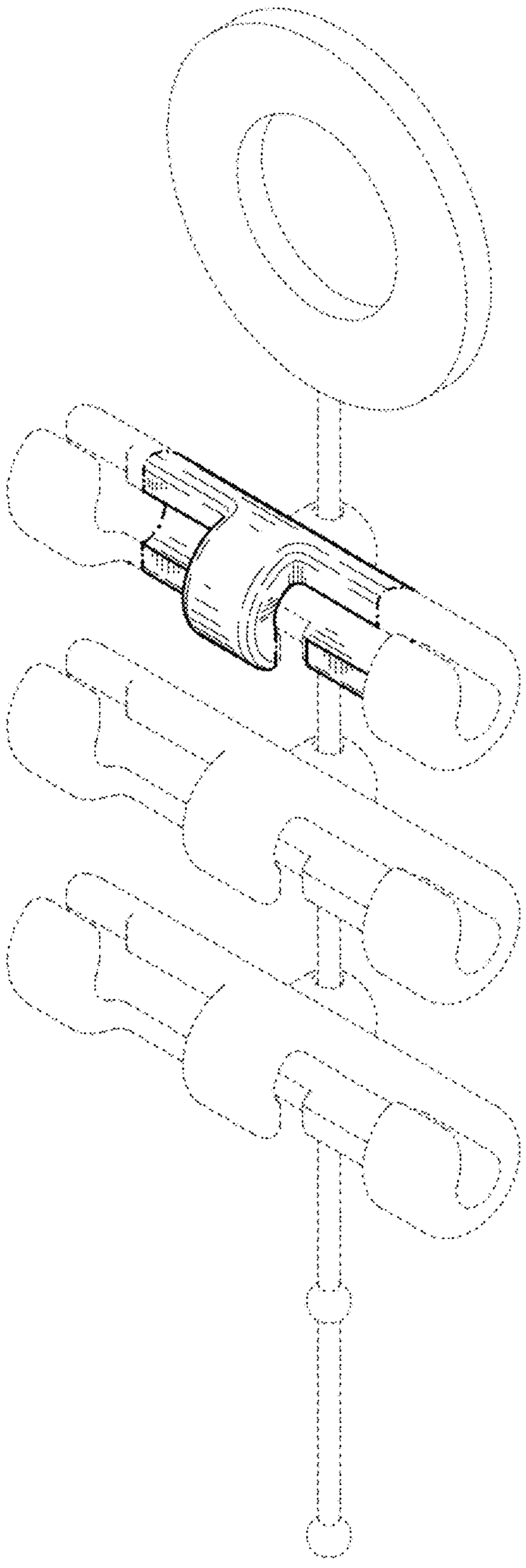


Fig. 18

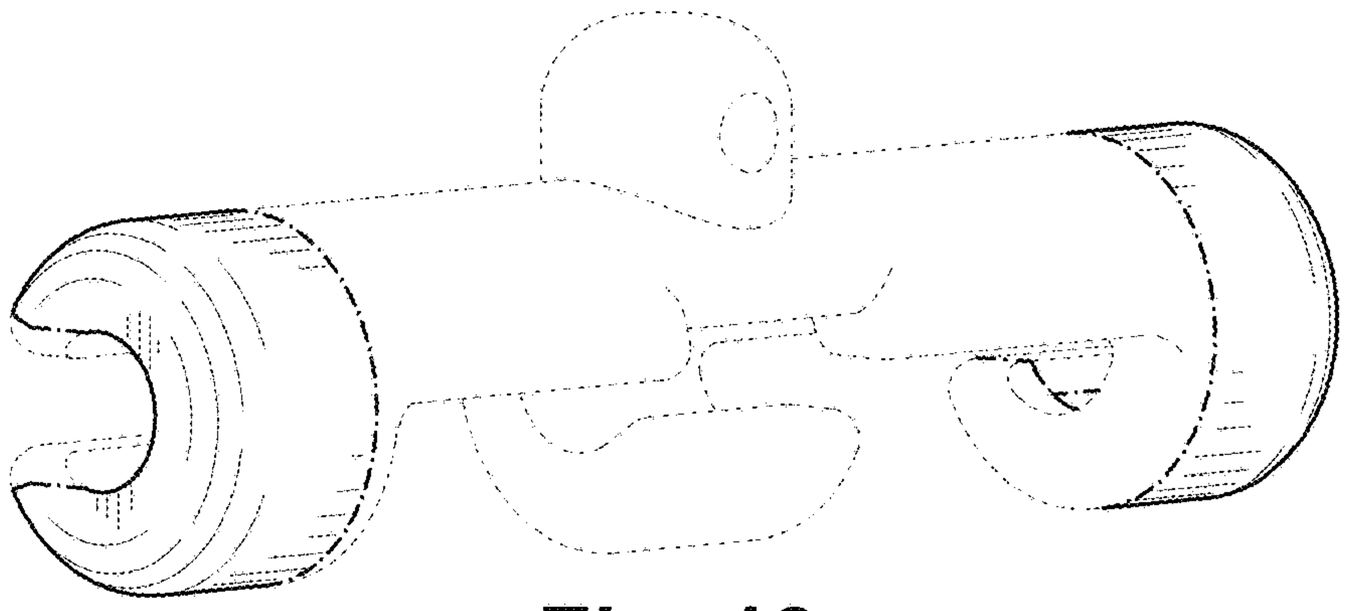


Fig. 19

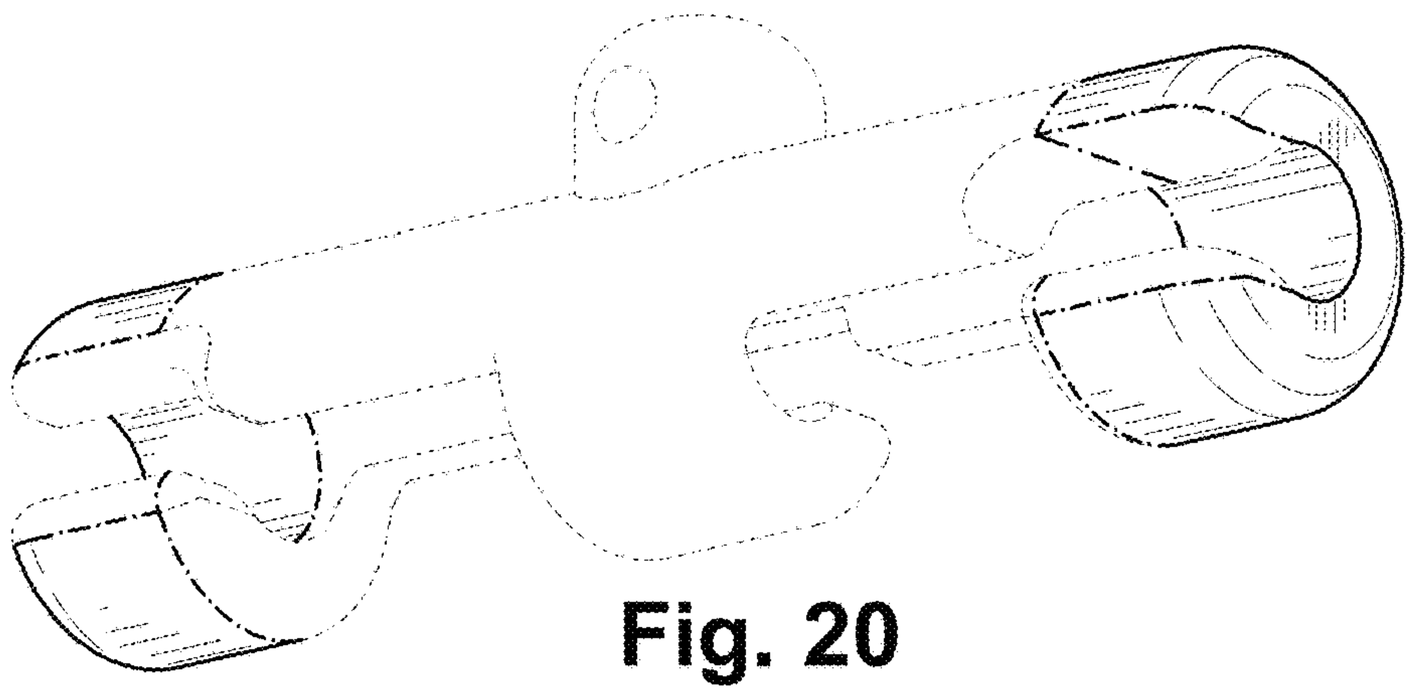
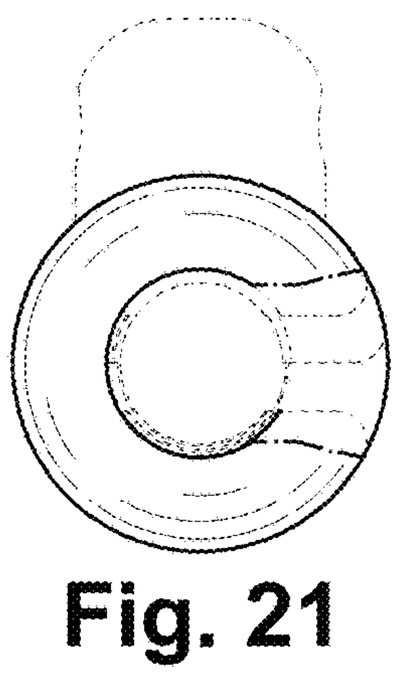


Fig. 20



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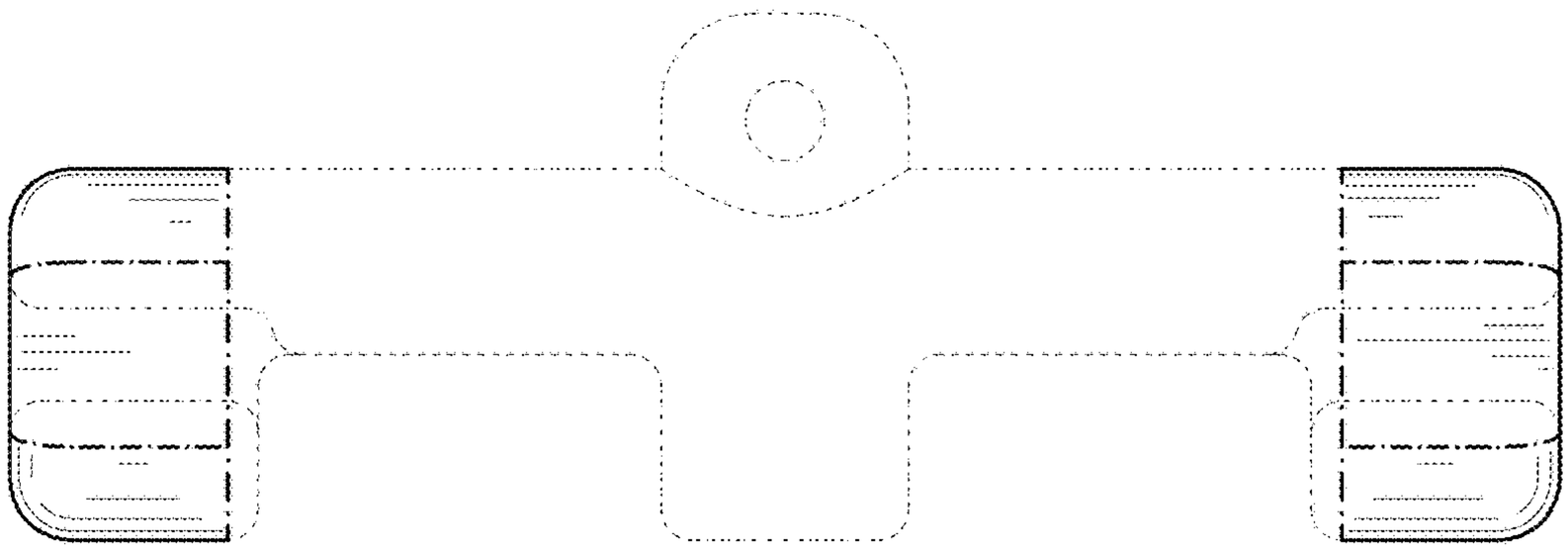
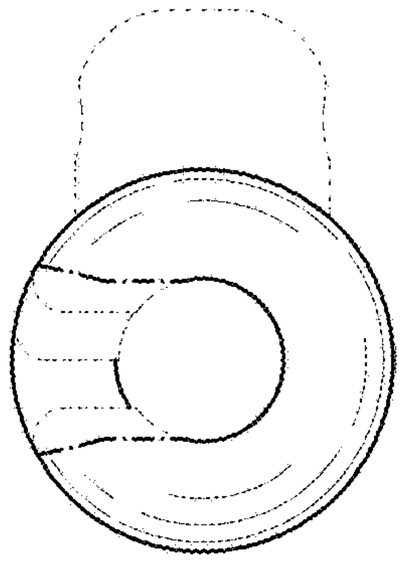


Fig. 22



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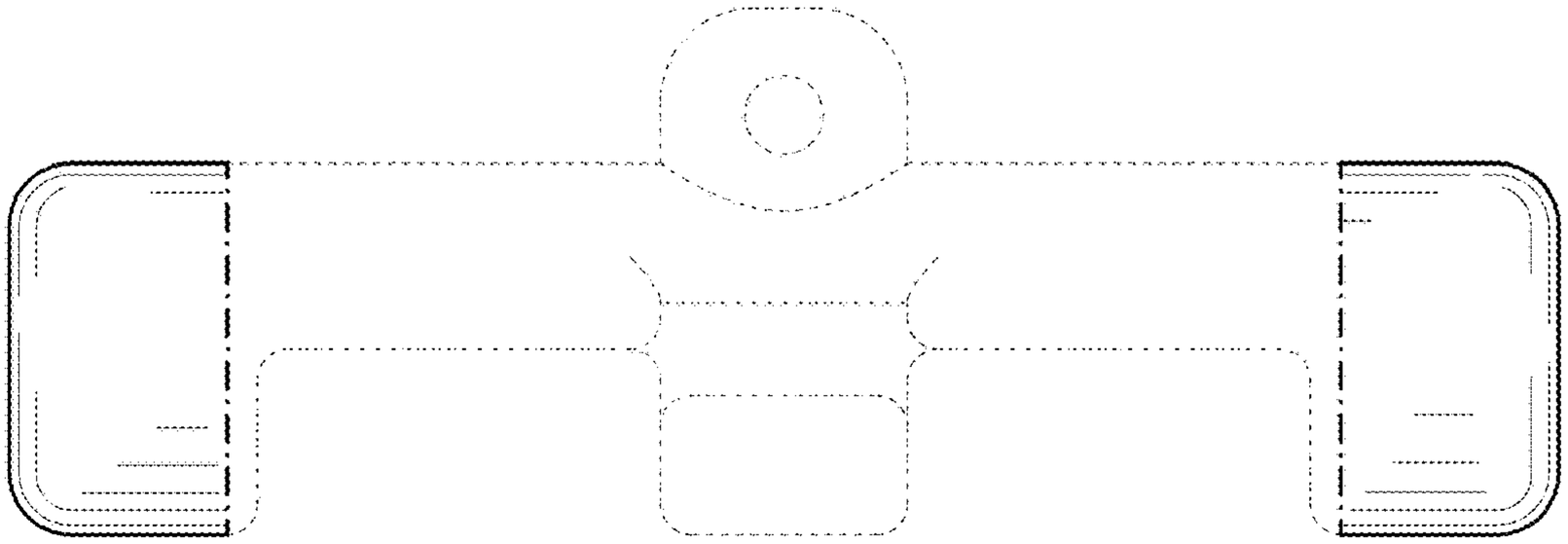
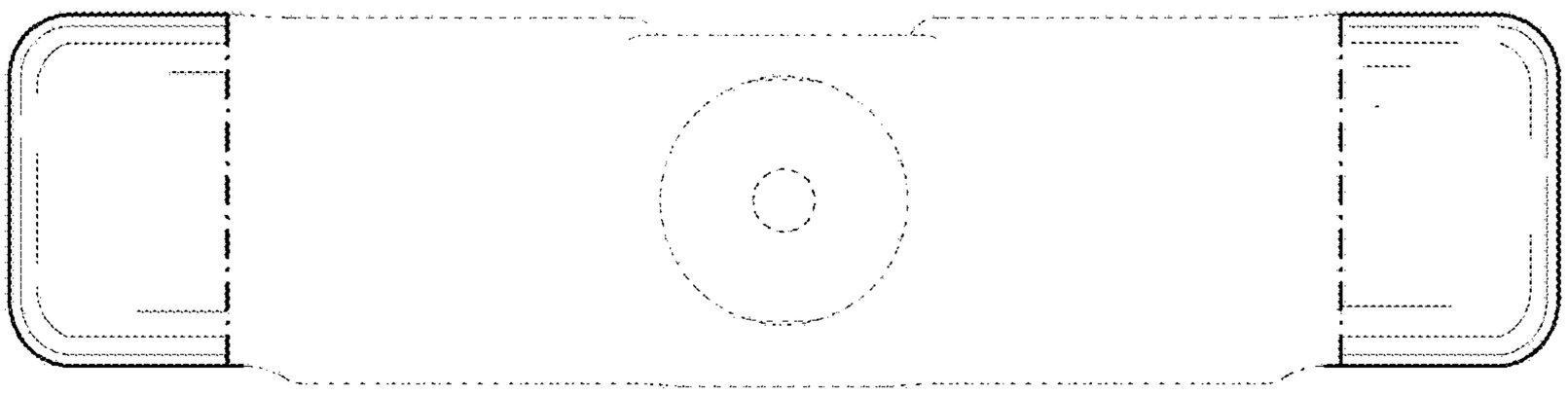


Fig. 24



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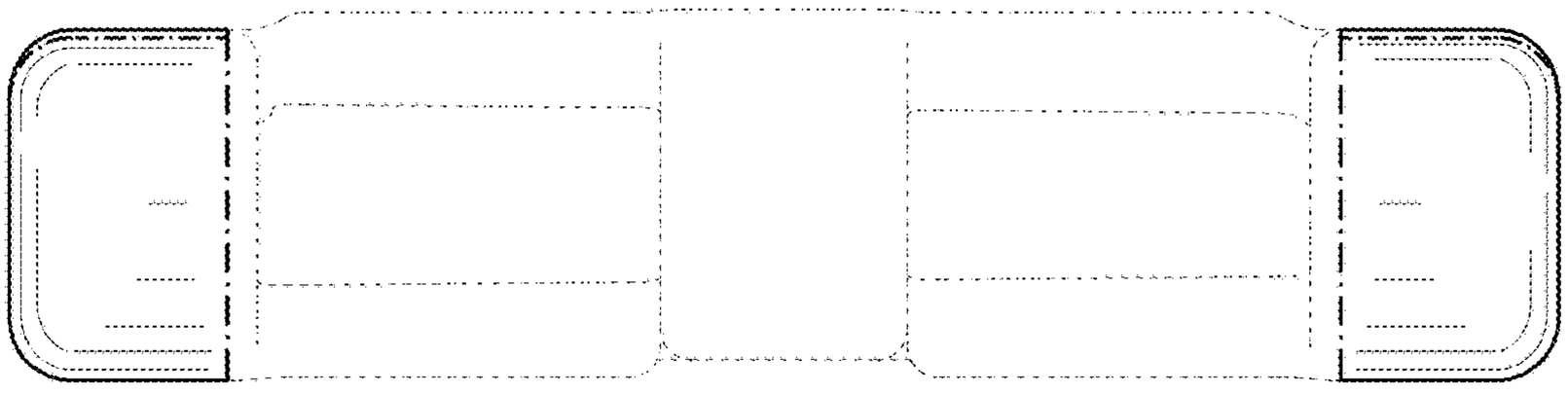

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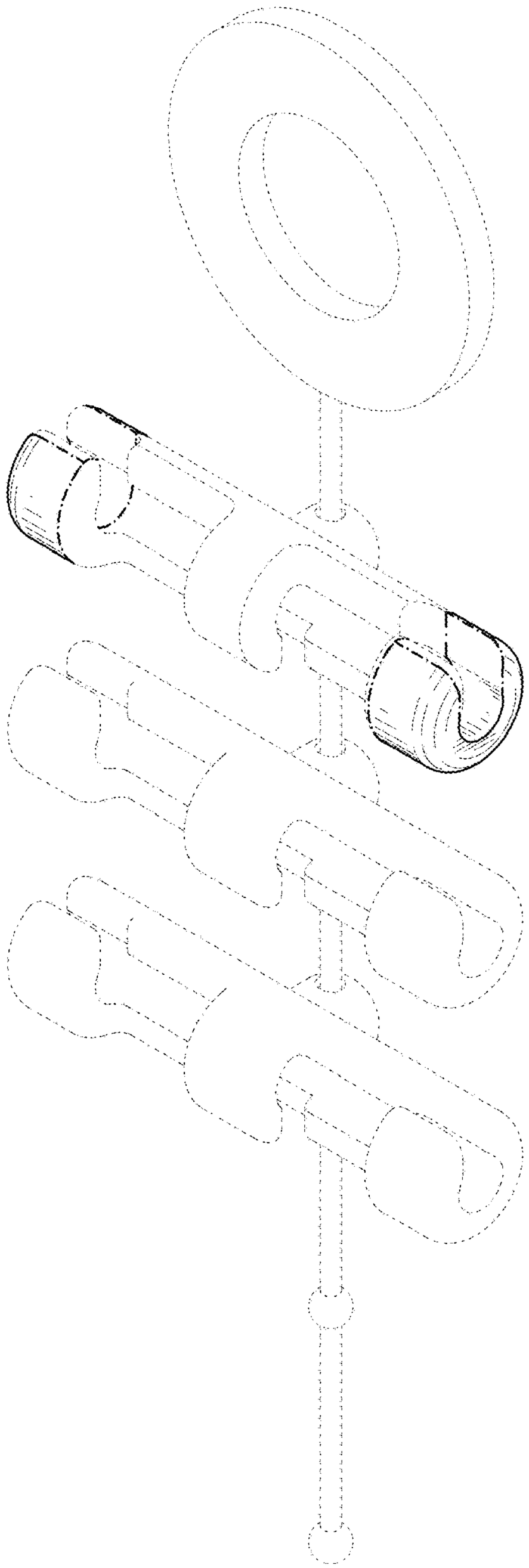

Fig. 27