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

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(54) **GRIPPING APPARATUS**

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(**) Term: **14 Years**

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(51) **LOC (9) Cl.** **15-09**

(52) **U.S. Cl.** **D15/199**

(58) **Field of Classification Search** D8/394-396;
D15/138, 199; D21/578; 294/86.4, 88, 106,
294/115, 902; 414/729, 739; 623/64; 901/31,
901/37, 39

See application file for complete search history.

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(57) **CLAIM**

The ornamental design for a gripping apparatus, as shown and described.

DESCRIPTION

FIG. 1 is an enlarged front perspective view of the gripping apparatus according to the invention;

FIG. 2 is a left side front perspective view of the gripping apparatus of FIG. 1.

FIG. 3 is a front elevation view of the gripping apparatus of FIG. 1.

FIG. 4 is a rear elevation view of the gripping apparatus of FIG. 1.

FIG. 5 is a right side elevation view of the gripping apparatus of FIG. 1.

FIG. 6 is a left side elevation view of the gripping apparatus of FIG. 1.

FIG. 7 is a top plan view of the gripping apparatus of FIG. 1.

FIG. 8 is a bottom plan view of the gripping apparatus of FIG. 1; and,

FIG. 9 is a perspective view of the gripping apparatus of FIG. 1 employed in a vial manipulating unit, shown in broken lines.

The broken lines are included for the purpose of illustrating an example environment of the gripping apparatus and forms no part of the claimed invention. Portions of the gripping apparatus shown in broken lines form no part of the claimed invention.

1 Claim, 5 Drawing Sheets

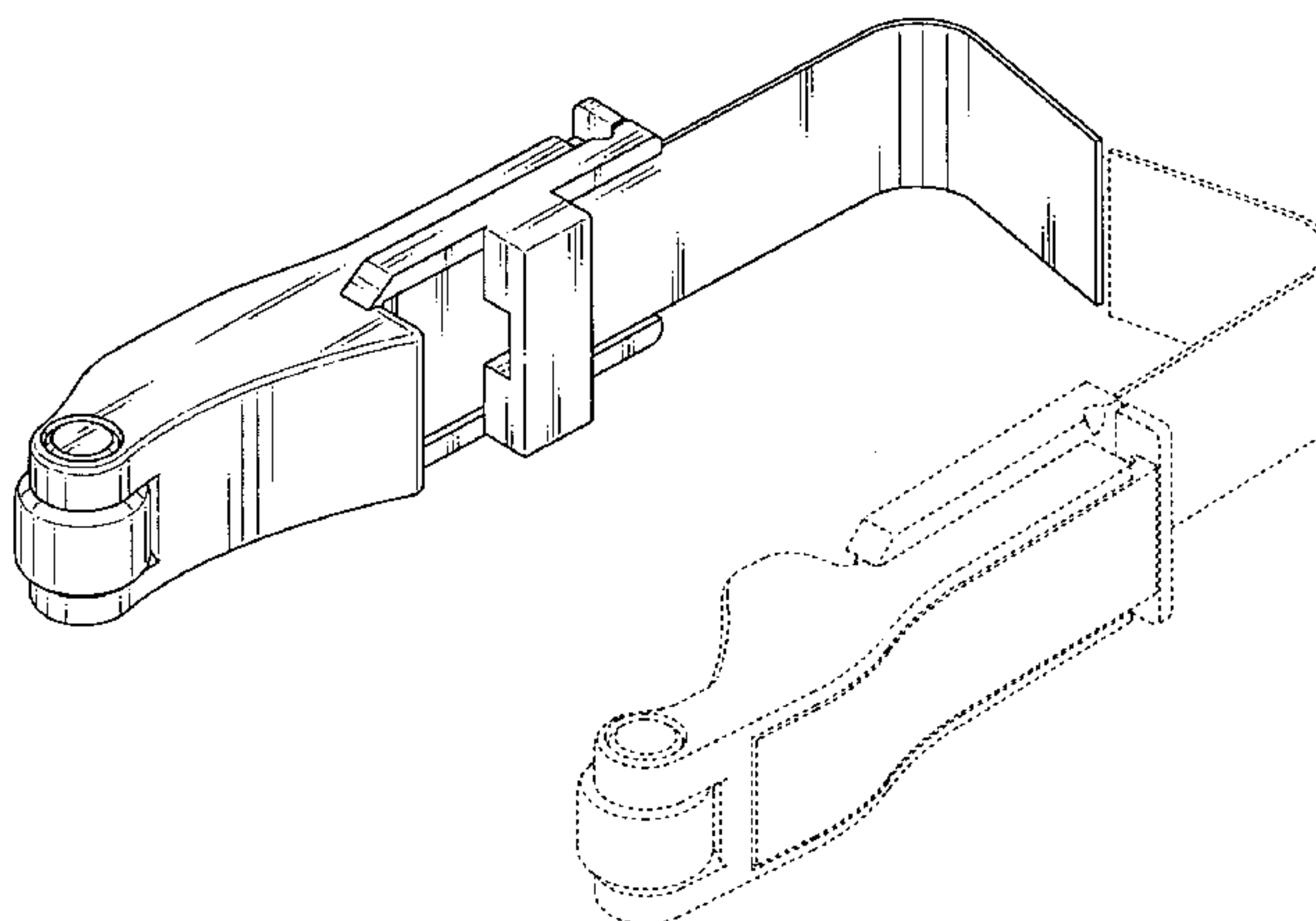


Fig. 1

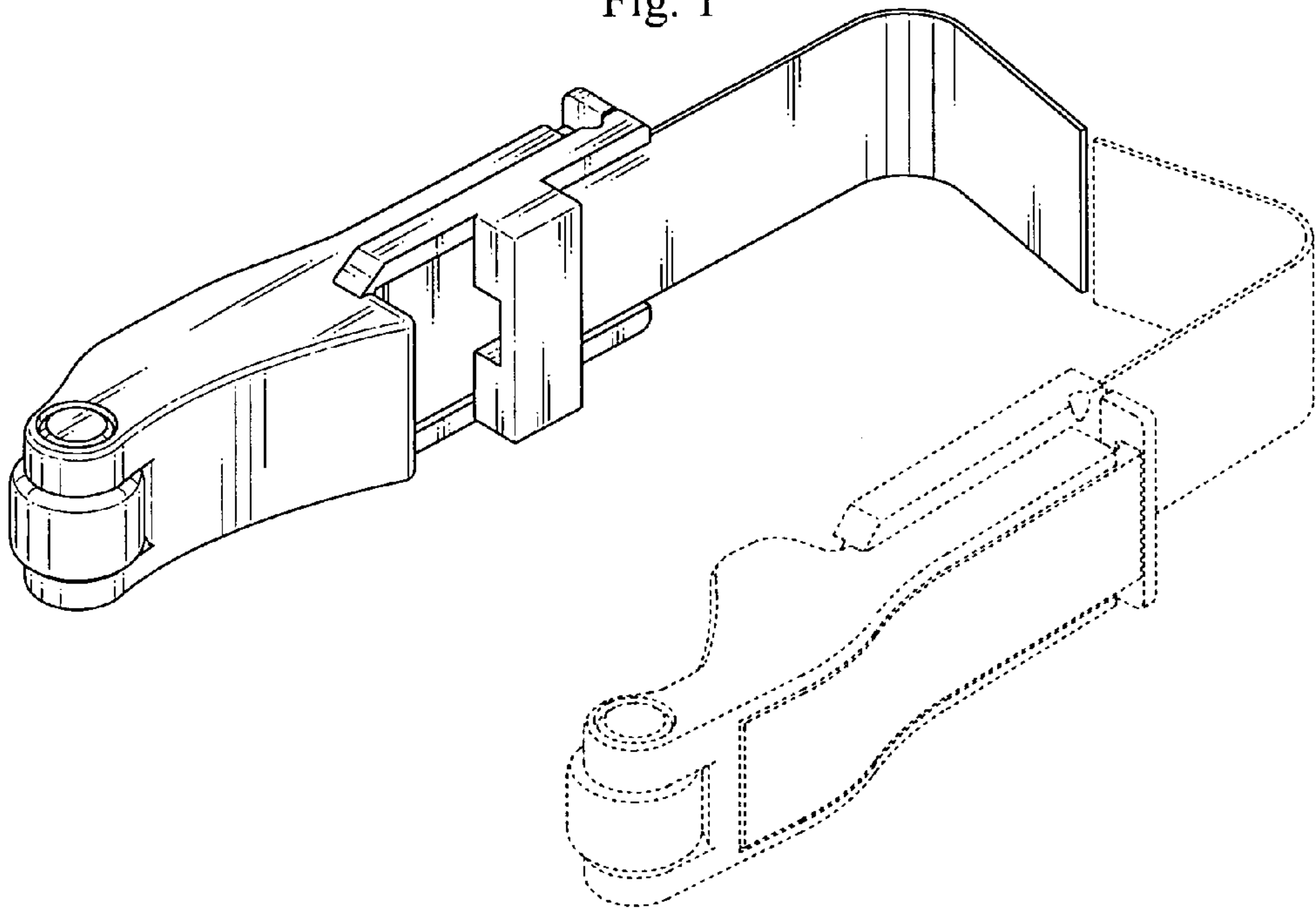


Fig. 2

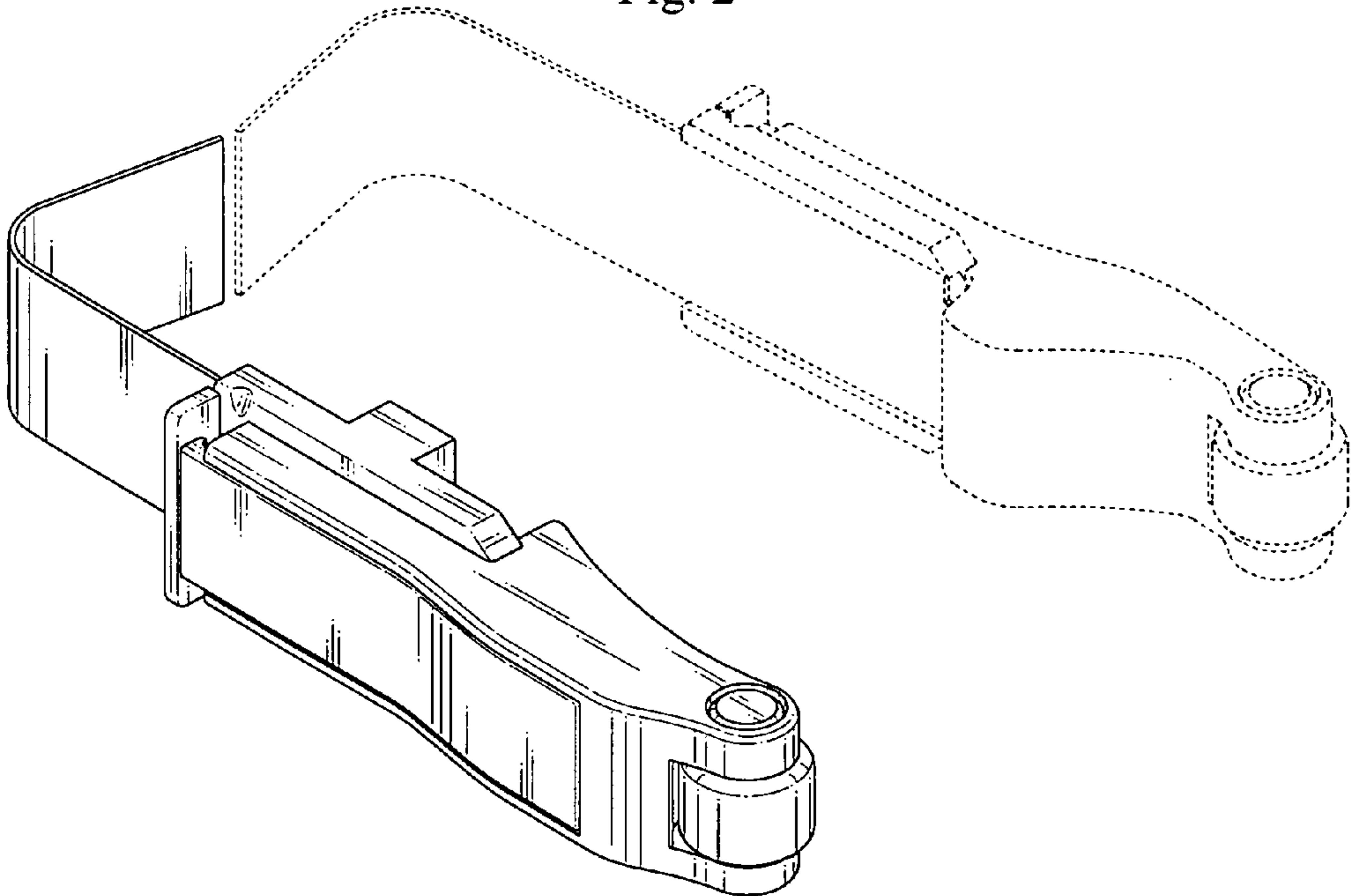


Fig. 3

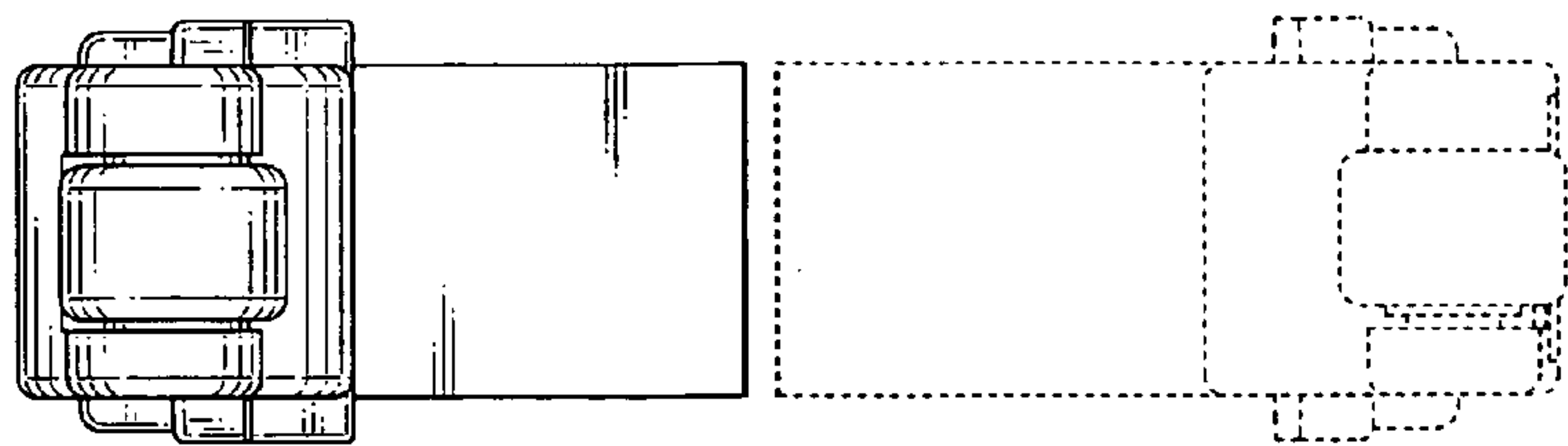


Fig. 4

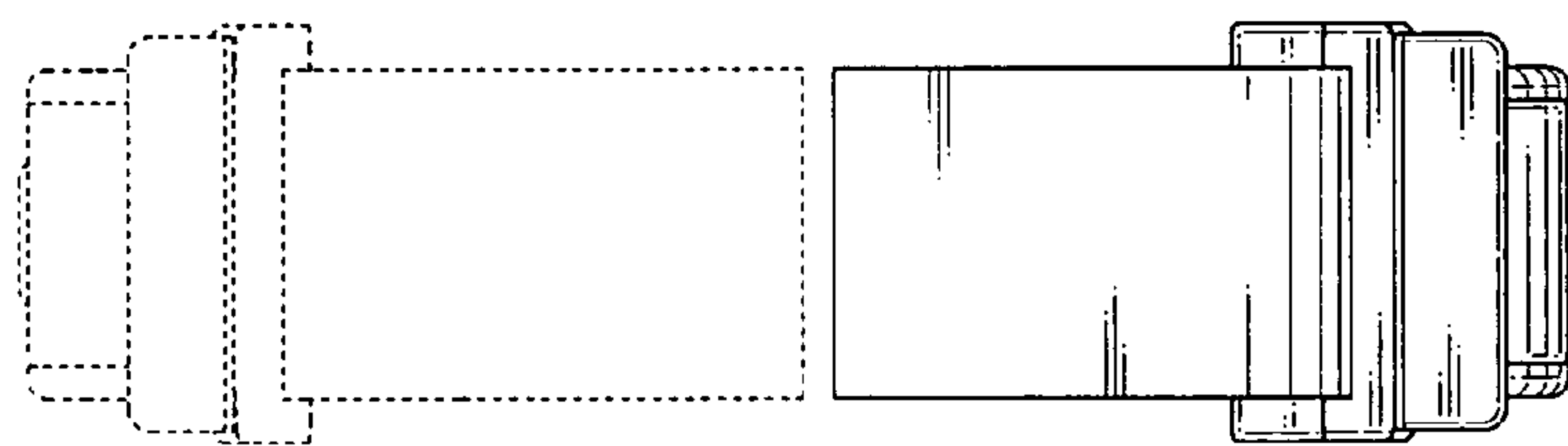


Fig. 5

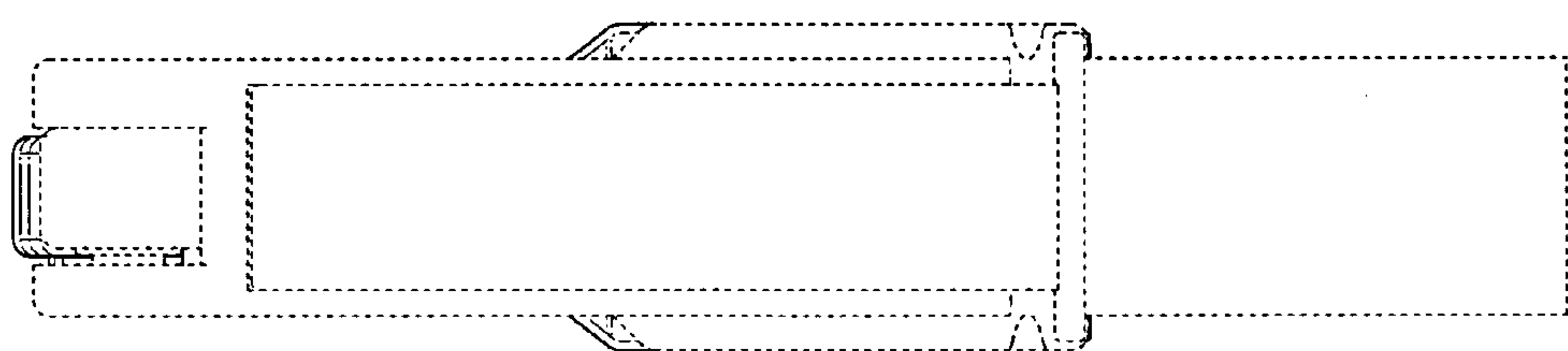


Fig. 6

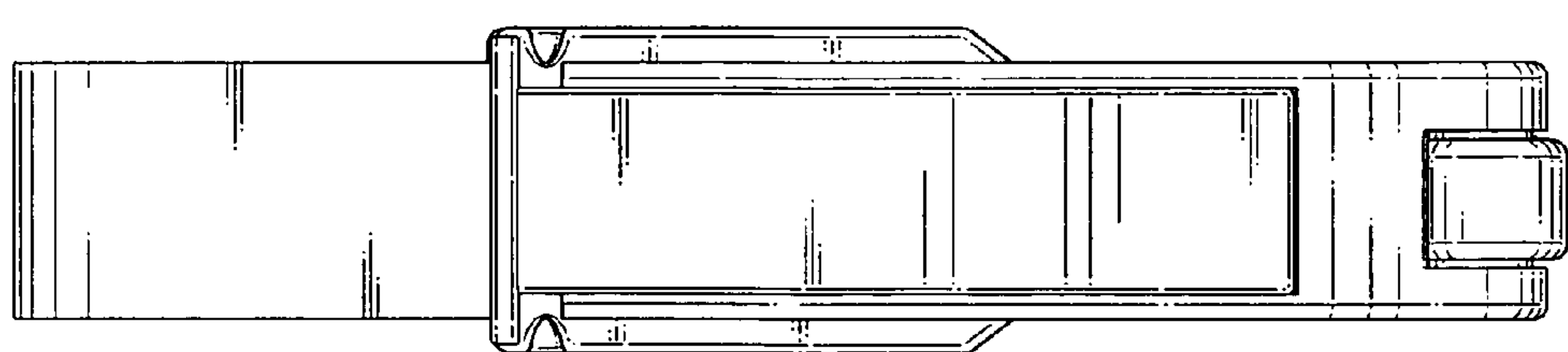


Fig. 7

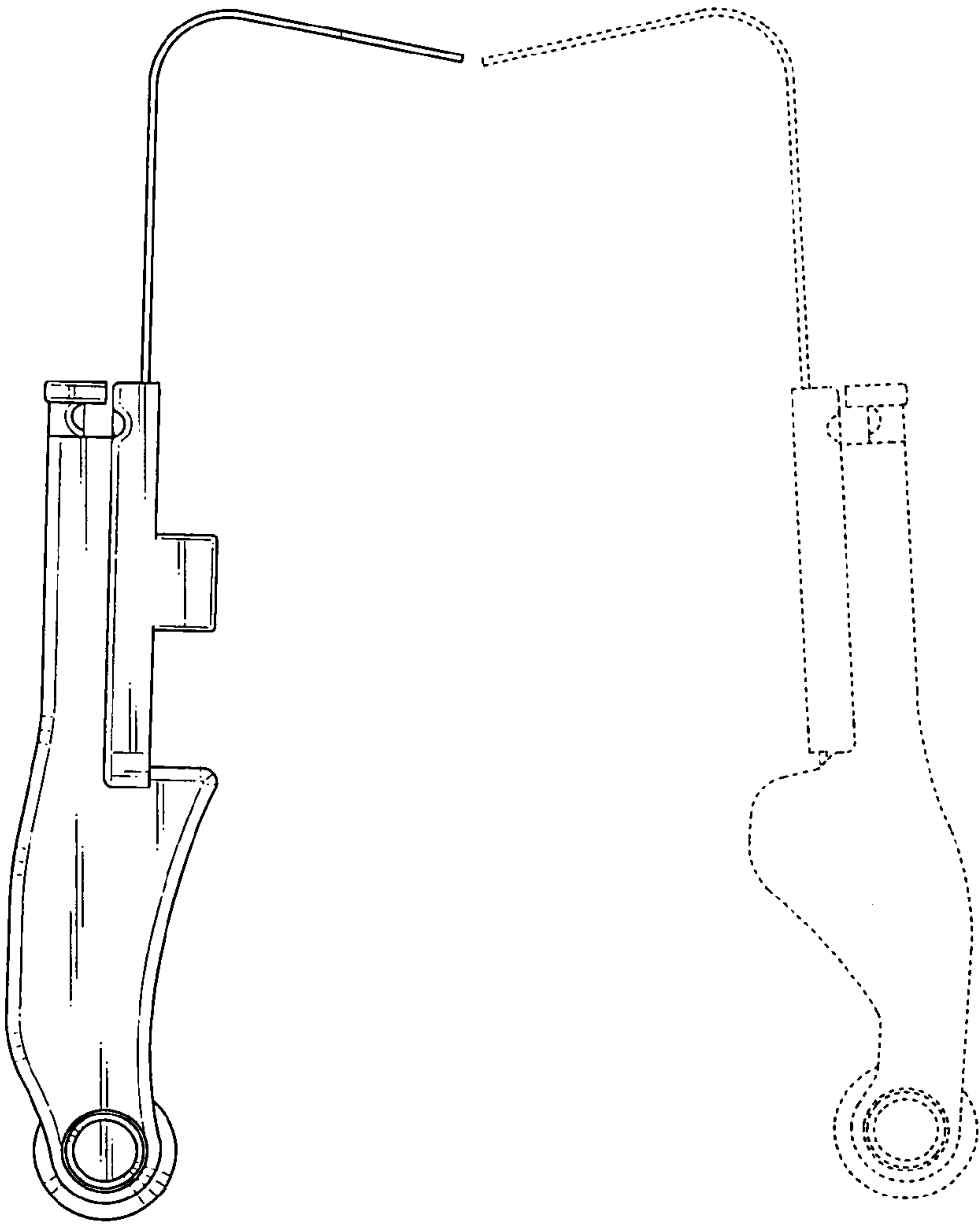


Fig. 8

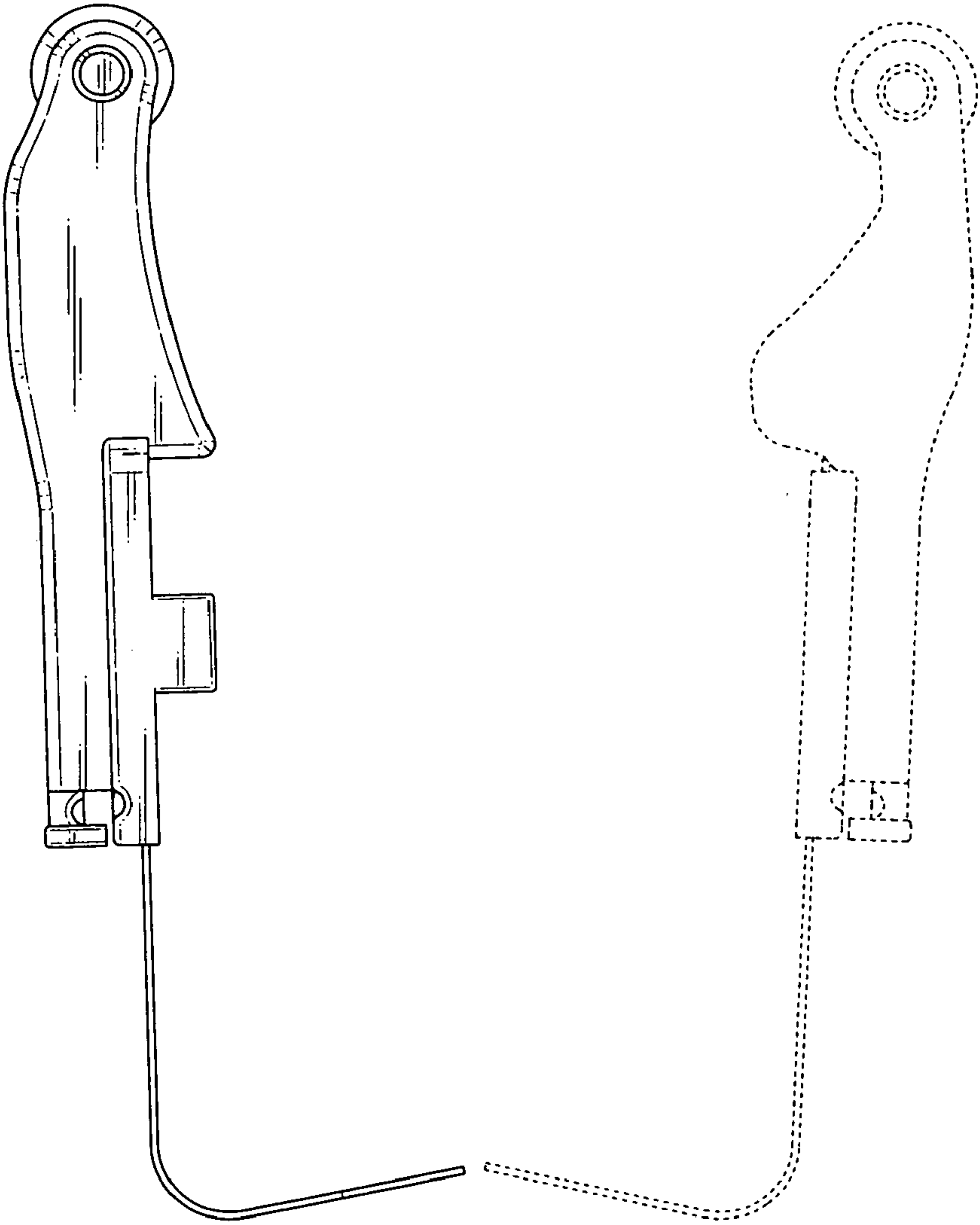


Fig. 9

