



US00D458174S

(12) **United States Design Patent**
Fan

(10) **Patent No.:** **US D458,174 S**

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(54) **MAGNETIC SENSOR FOR PNEUMATIC CYLINDER**

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(*) **Notice:** This patent is subject to a terminal disclaimer.

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

(21) **Appl. No.:** **29/126,354**

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(51) **LOC (7) Cl.** **10-05**

(52) **U.S. Cl.** **D10/104**

(58) **Field of Search** D10/104; D13/184;
29/609; 335/209, 251, 255, 278; 324/174,
207.13, 207.21, 207.22, 208, 209, 260

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 5,589,768 A * 12/1996 Ishiyama et al. 324/207.21
- 5,631,557 A * 5/1997 Davidson 324/174
- 5,821,841 A * 10/1998 Furlani et al. 335/229
- 5,838,154 A * 11/1998 Morikawa et al. 324/249
- 5,937,487 A * 8/1999 Bauer 24/303

- 6,123,902 A * 9/2000 Koch et al.
- 6,150,810 A * 11/2000 Roybal 324/244
- 6,187,609 B1 * 2/2001 Smith, Jr. et al. 438/64
- D440,169 S * 4/2001 Fan D10/104

* cited by examiner

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(57) **CLAIM**

The ornamental design for a magnetic sensor for pneumatic cylinder, as shown.

DESCRIPTION

FIG. 1 is a top view showing my new design.

FIG. 2 is a bottom view thereof.

FIG. 3 is a right view thereof.

FIG. 4 is a left view thereof.

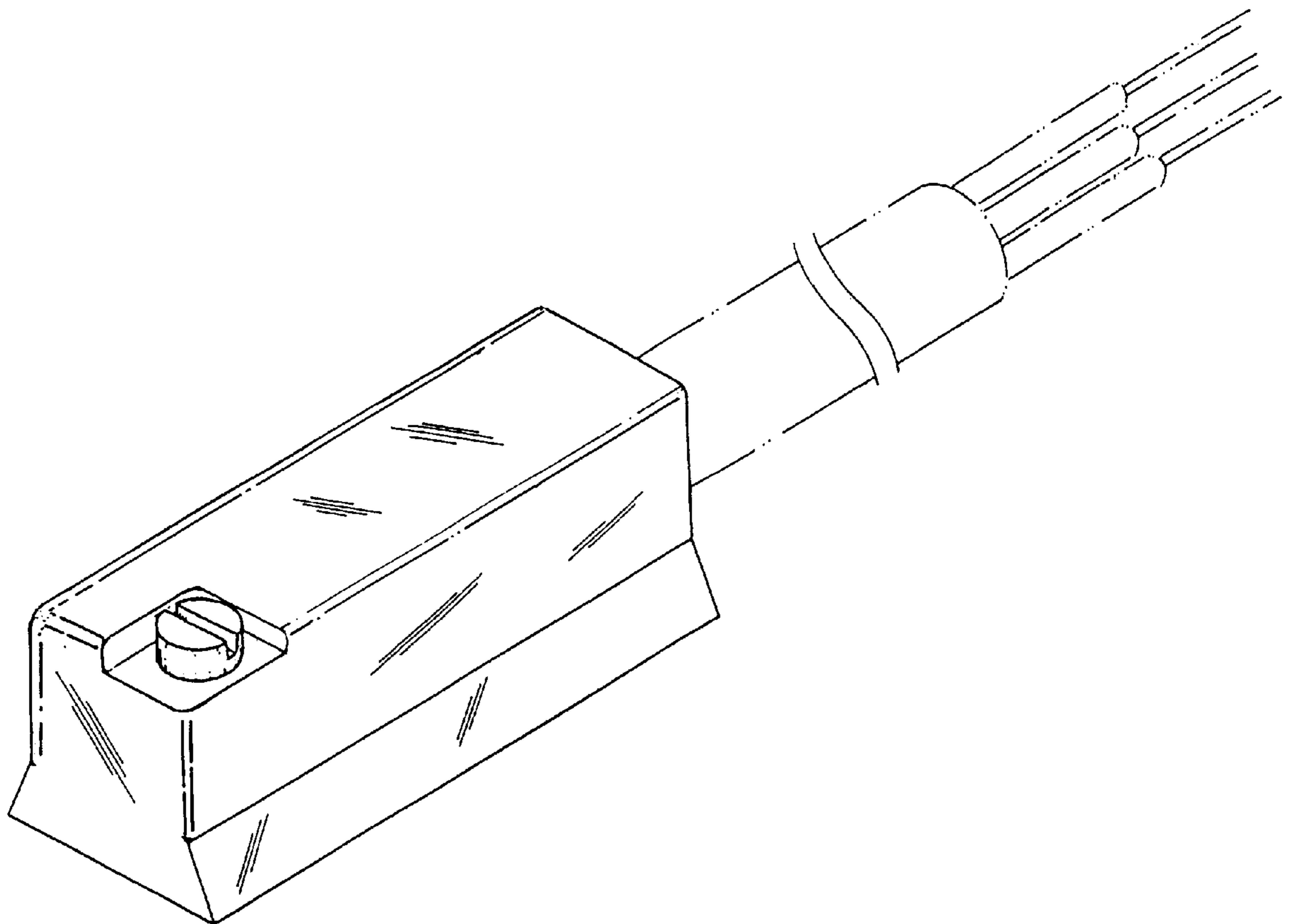
FIG. 5 is a front view thereof.

FIG. 6 is a rear view thereof; and,

FIG. 7 is a perspective view thereof.

The broken line showing of environment is for illustrative purposes only and forms no part of the claimed design.

1 Claim, 2 Drawing Sheets



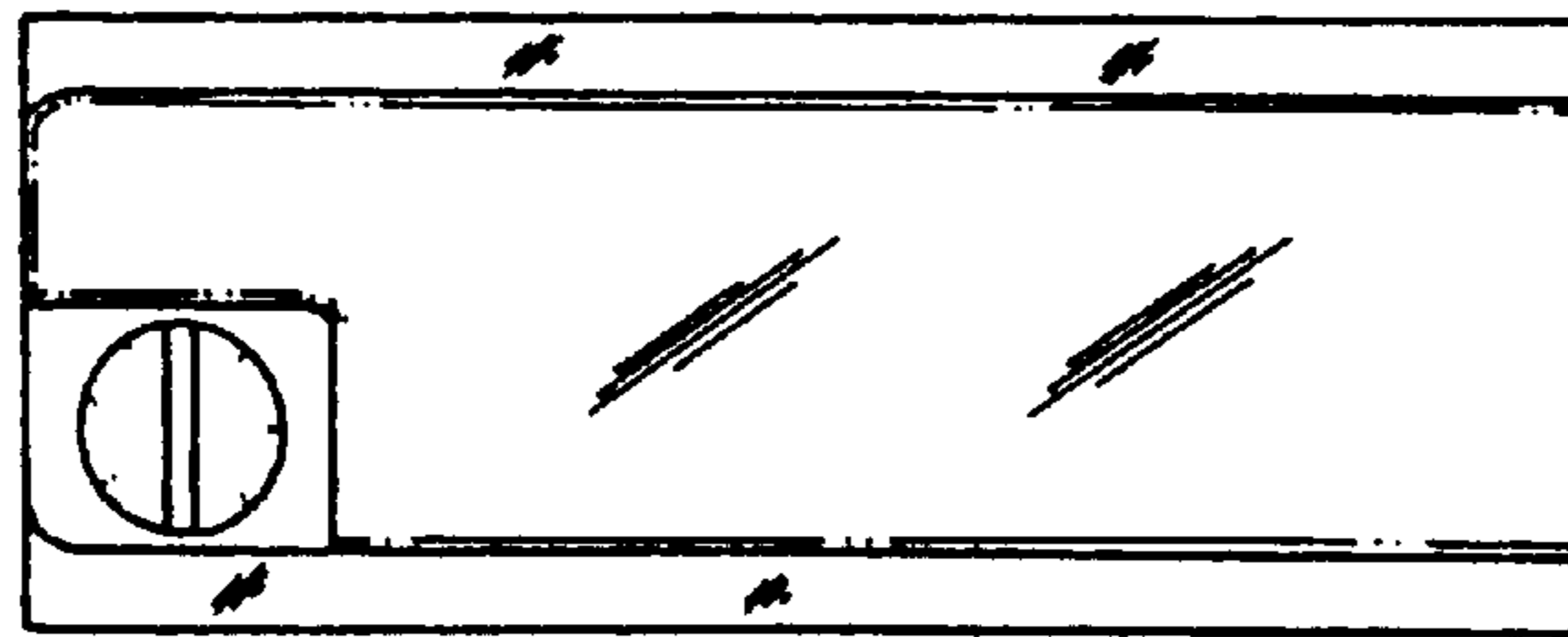


FIG. 1

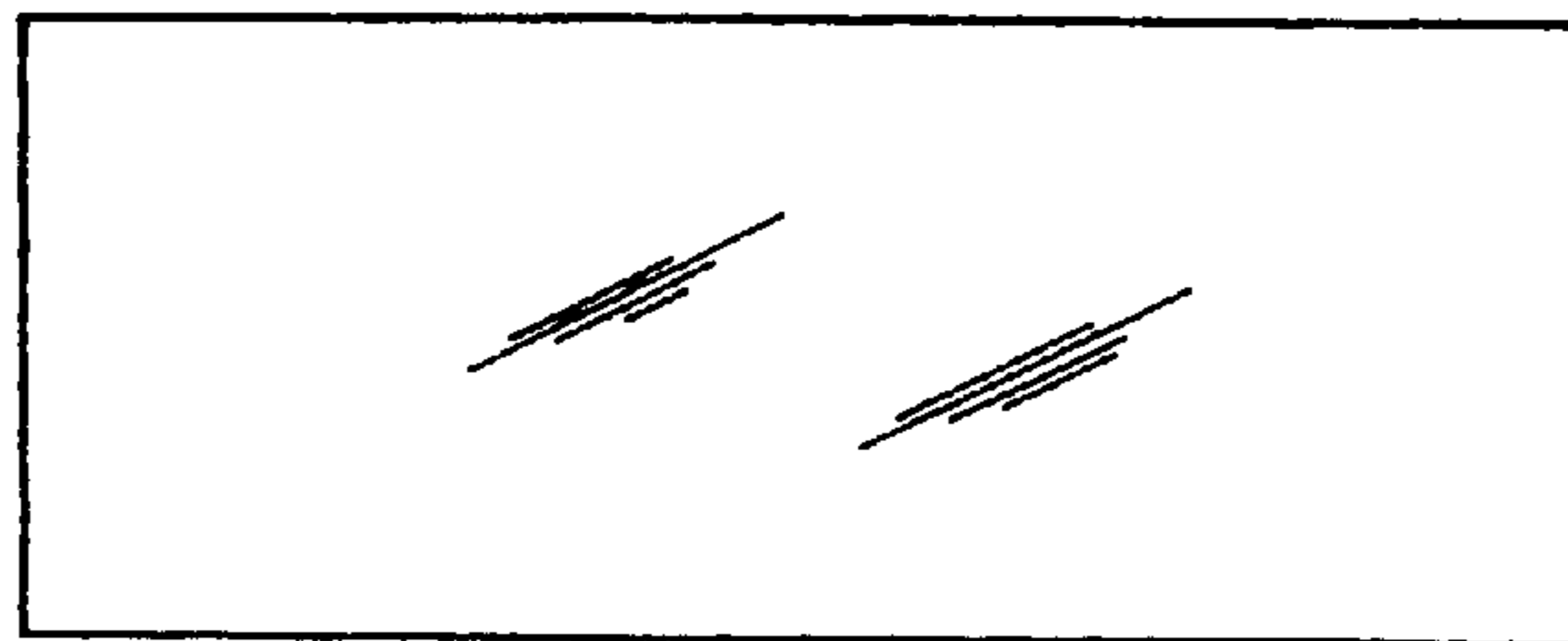


FIG. 2

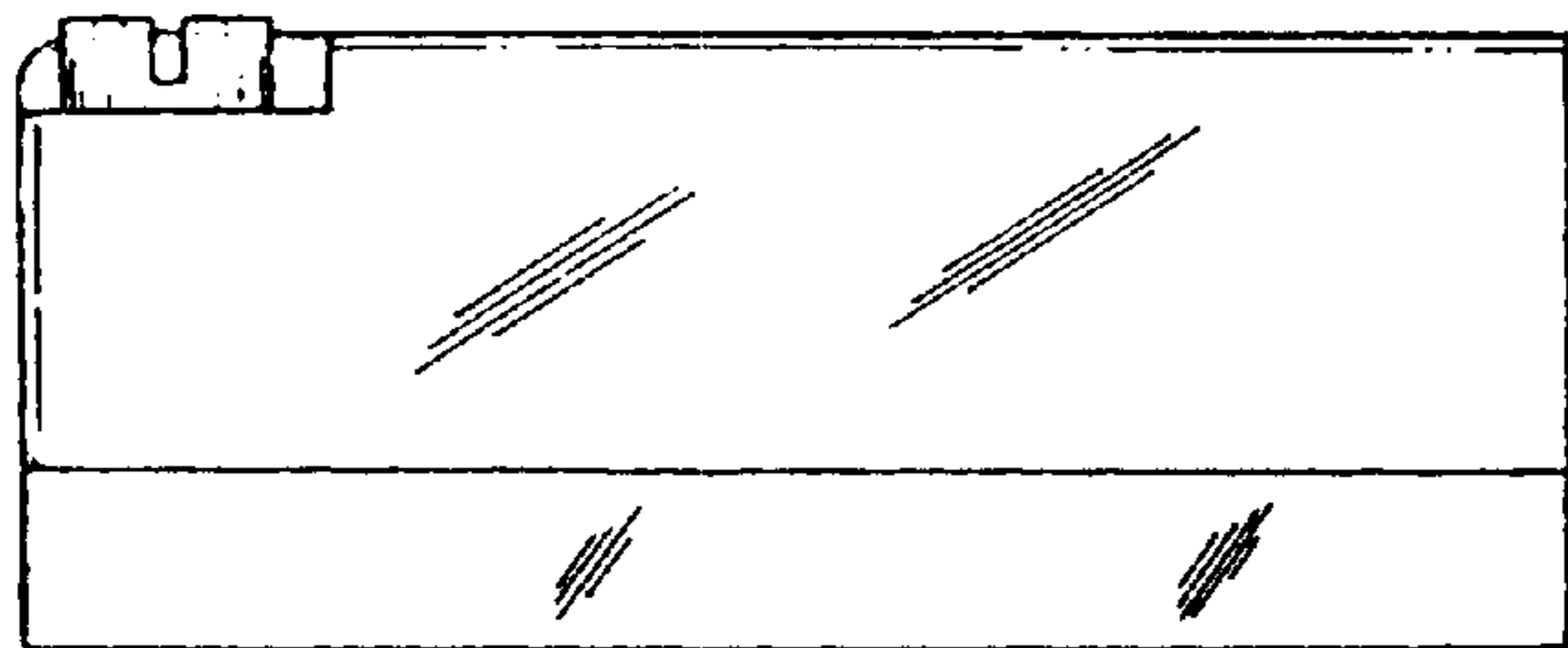


FIG. 3

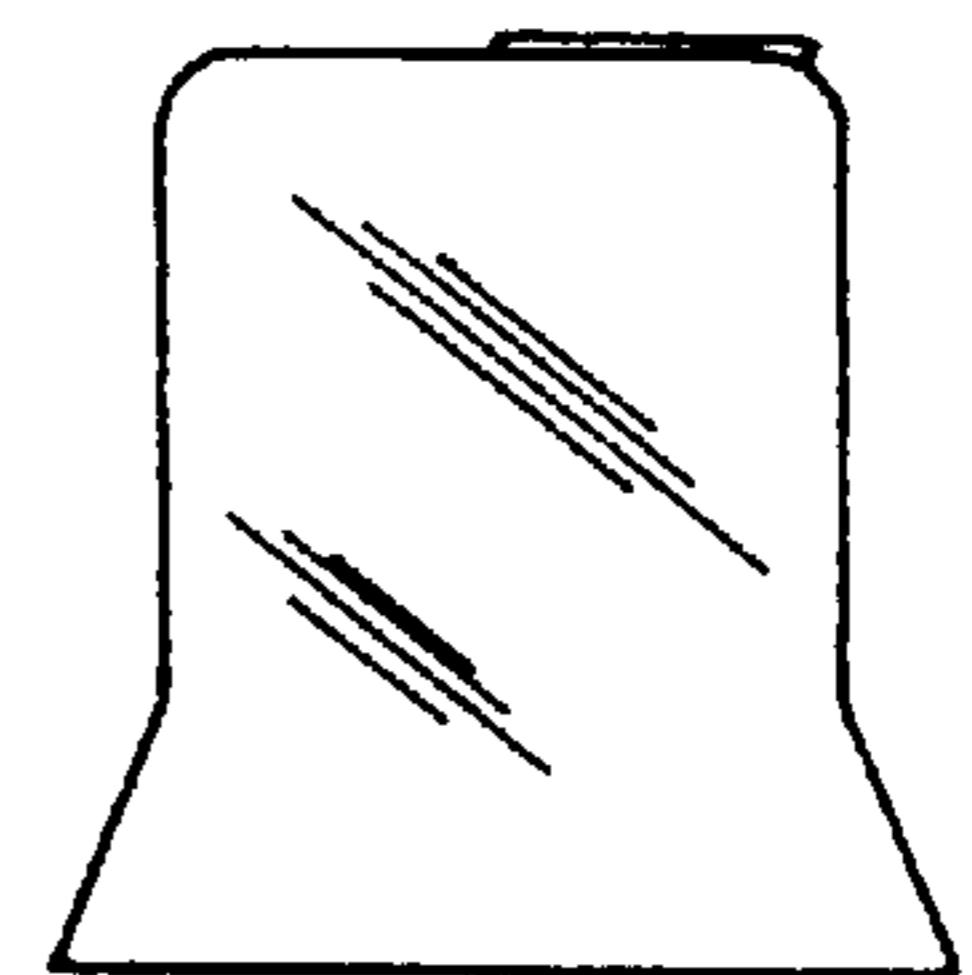


FIG. 6

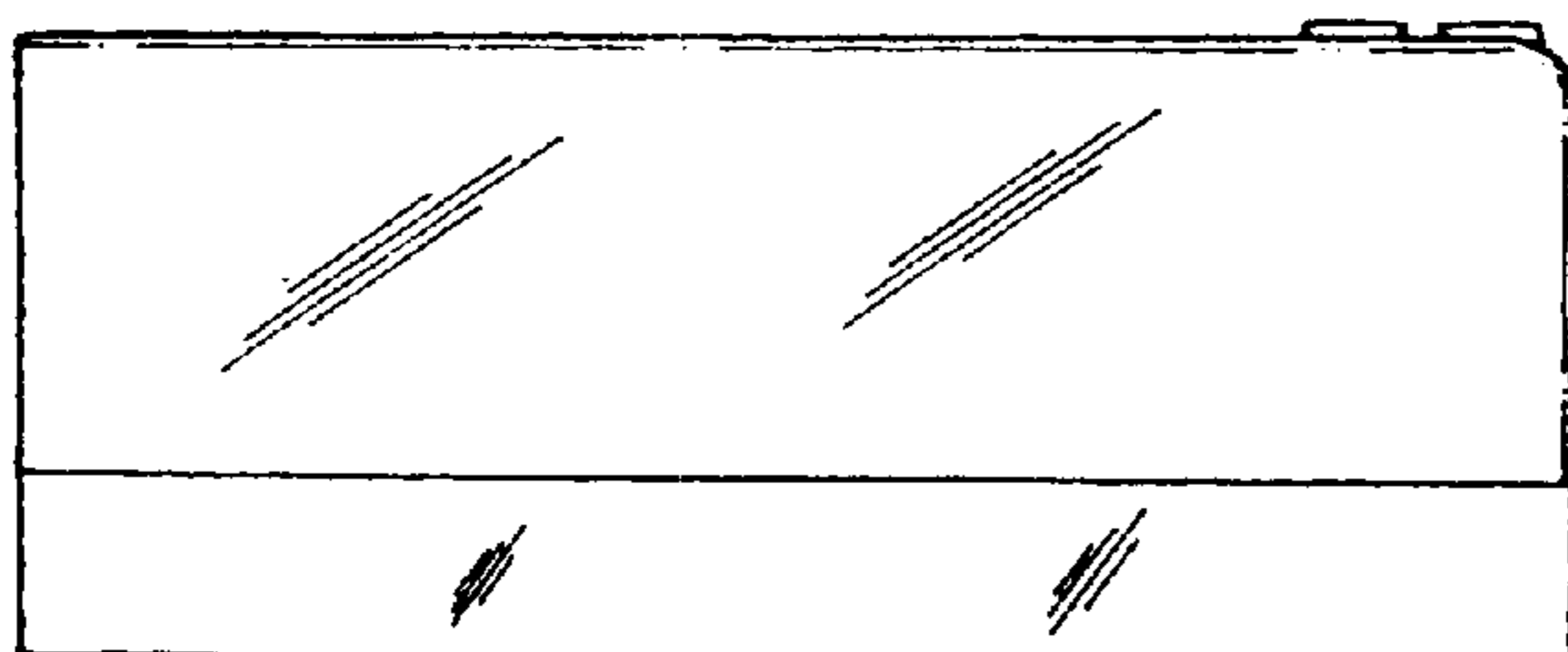


FIG. 4

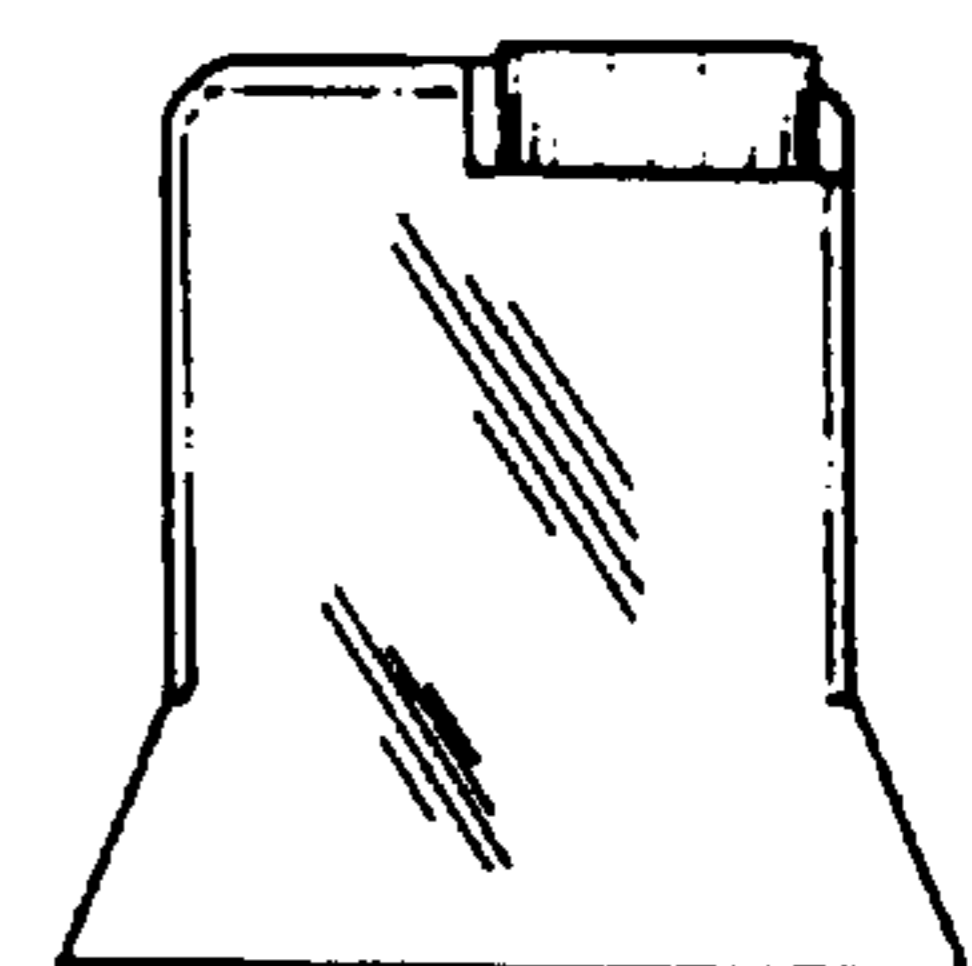


FIG. 5

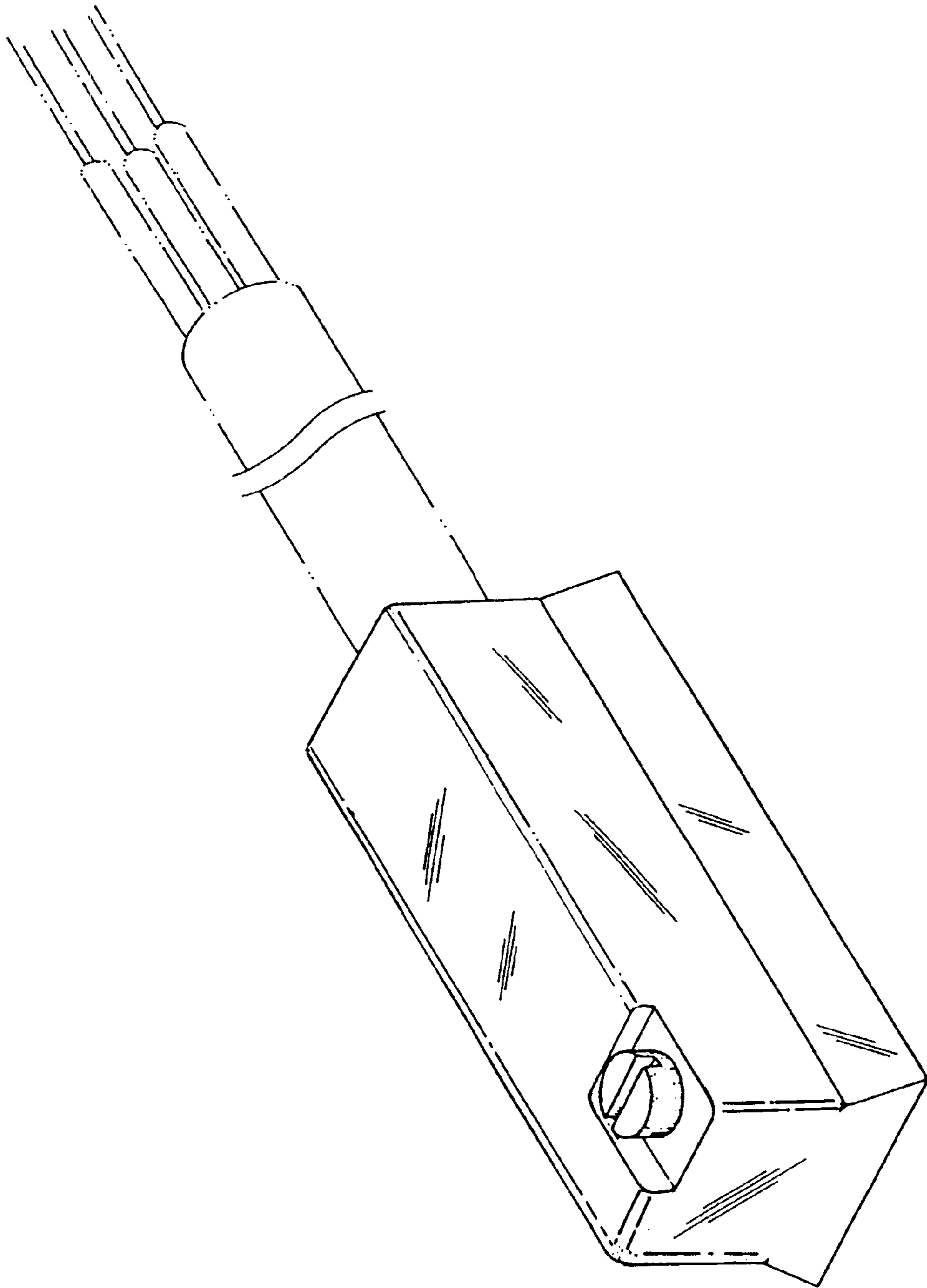


FIG. 7