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

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(54) **ELECTRICAL CONNECTOR**

2008/0214051 A1 9/2008 Obikane

(75) Inventors: **Keizo Kai**, Tokyo (JP); **Masayuki Kikuchi**, Tokyo (JP)

FOREIGN PATENT DOCUMENTS

JP 11-233201 A 8/1999

(73) Assignee: **Japan Aviation Electronics Industry, Limited**, Tokyo (JP)

OTHER PUBLICATIONS

Keizo Kai et al., related U.S. Appl. No. 29/336,175, filed Apr. 29, 2009.

Hiroaki Obikane, related U.S. Appl. No. 12/072,705, filed Feb. 27, 2008.

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

\* cited by examiner

(21) Appl. No.: **29/336,161**

*Primary Examiner*—Daniel D Bui

(22) Filed: **Apr. 29, 2009**

(74) *Attorney, Agent, or Firm*—Frishauf, Holtz, Goodman & Chick, P.C.

(30) **Foreign Application Priority Data**

Nov. 14, 2008 (JP) ..... 2008-029199

(57) **CLAIM**

(51) **LOC (9) Cl.** ..... **13-03**

The ornamental design for an electrical connector, as shown and described.

(52) **U.S. Cl.** ..... **D13/147**

(58) **Field of Classification Search** ..... D13/133,  
D13/146-147, 154, 184; 439/62, 260, 329,  
439/392, 395, 422, 495, 499

**DESCRIPTION**

See application file for complete search history.

FIG. 1 is a front, top and right side perspective view of an electrical connector showing our new design;

(56) **References Cited**

FIG. 2 is a rear, bottom and right side perspective view thereof;

U.S. PATENT DOCUMENTS

FIG. 3 is a front elevational view thereof;

- 6,019,616 A 2/2000 Yagi et al.
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- D590,777 S \* 4/2009 Tanaka ..... D13/147
- D597,952 S \* 8/2009 Kikuchi et al. .... D13/147

FIG. 4 is a rear elevational view thereof;

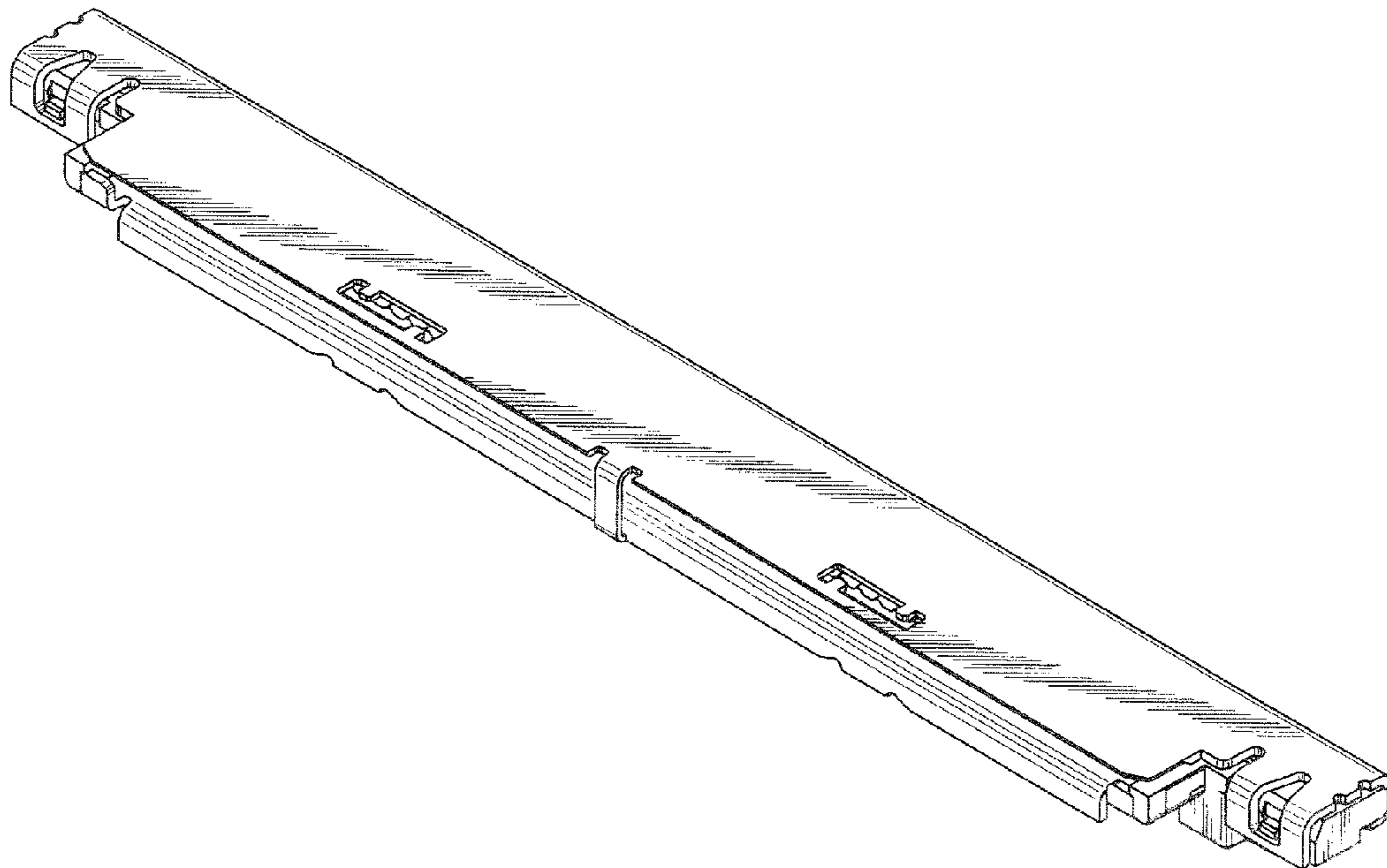
FIG. 5 is a top plan view thereof;

FIG. 6 is a bottom plan view thereof; and,

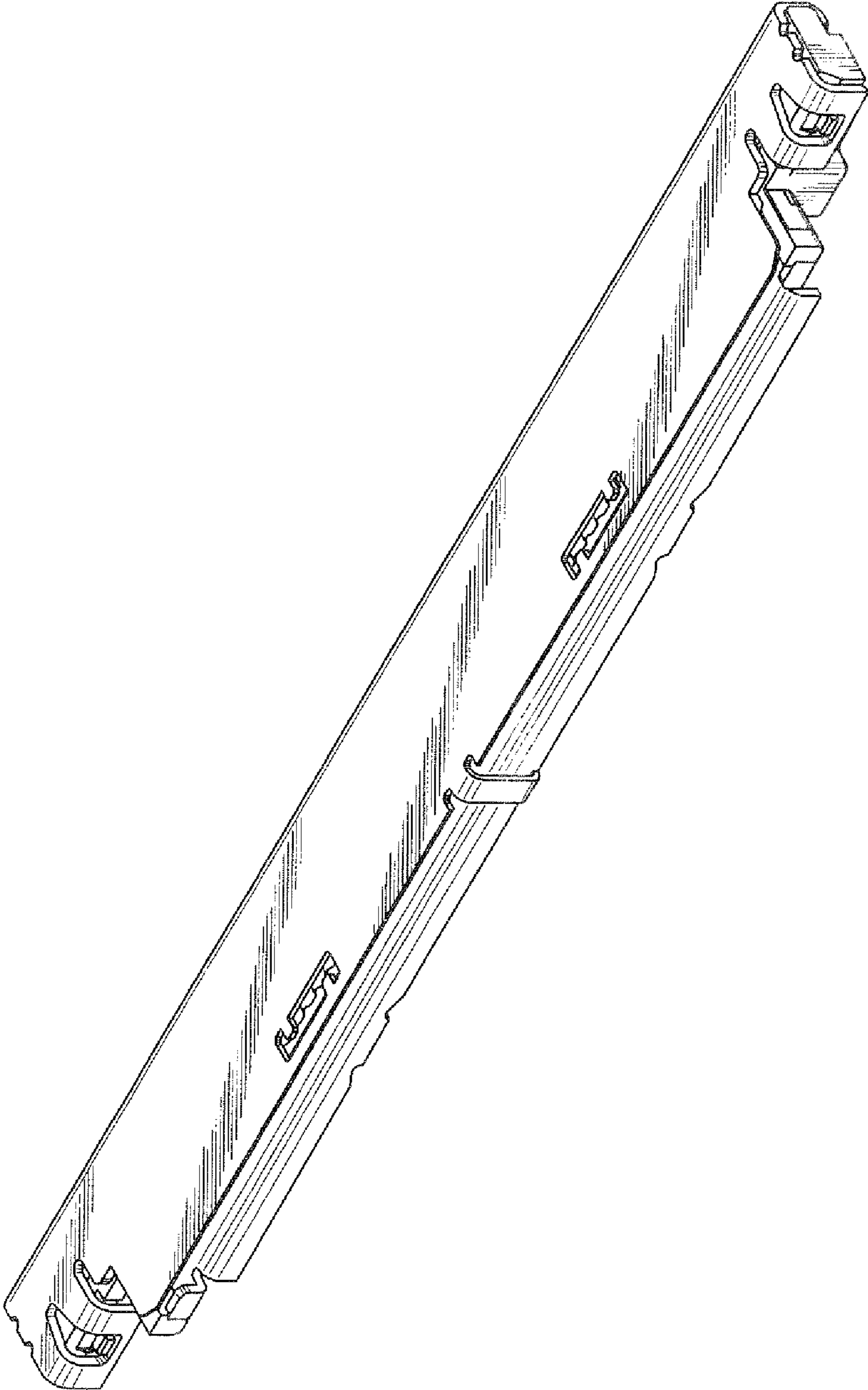
FIG. 7 is right side view thereof, the left side view being a mirror image.

The left side view is symmetrical with the right side view, and is therefore omitted.

**1 Claim, 4 Drawing Sheets**



*FIG. 1*

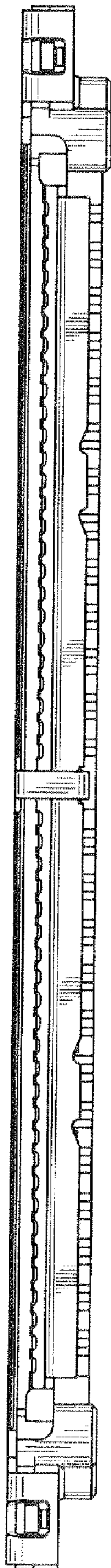


**FIG. 2**

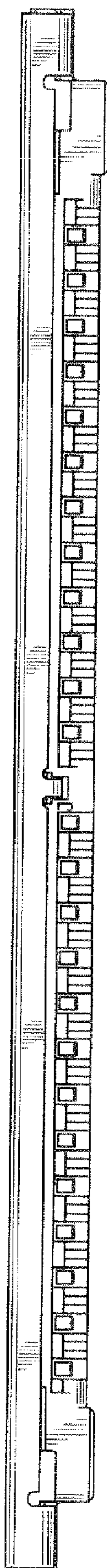




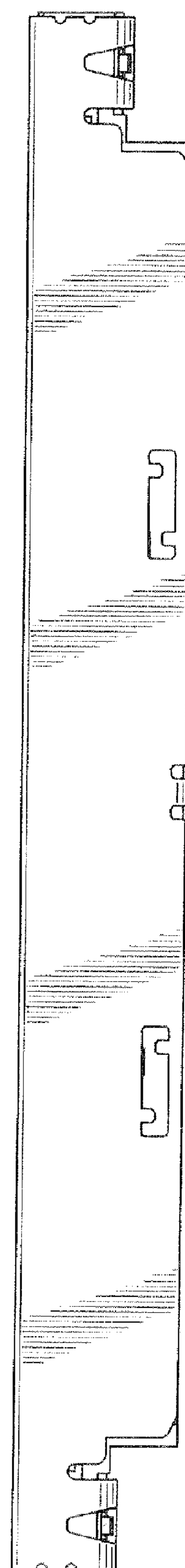
*FIG. 3*



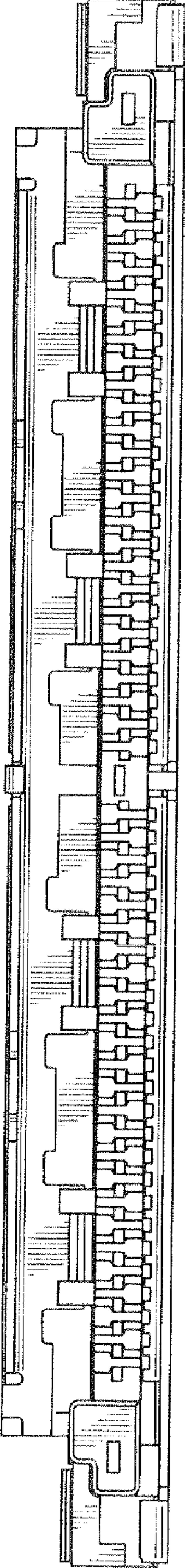
*FIG. 4*



*FIG. 5*



*FIG. 6*



*FIG. 7*

