

US00D524335S

### (12) United States Design Patent (10) Patent No.:

Klinke et al.

(10) Patent INU.:

US D524,335 S

(45) Date of Patent: \*\* Jul. 4, 2006

(	(54)	LINEAR	<b>ACTUATOR</b>
1	~ .		

(75) Inventors: Norbert Klinke, Augustenborg (DK);

Christian Platz, Haderslev (DK)

(73) Assignee: LINAK A/S, Nordborg (DK)

(\*\*) Term: 14 Years

(21) Appl. No.: 29/224,339

(22) Filed: Mar. 2, 2005

### Related U.S. Application Data

(62) Division of application No. 29/193,196, filed on Nov. 6, 2003, now Pat. No. Des. 509,520.

### (30) Foreign Application Priority Data

Ma	6, 2003 (DK) DA 2003 00253
(51)	LOC (8) Cl 15-09
(52)	U.S. Cl D15/143
(58)	Field of Classification Search
	D15/148–149, 199; 74/89.15, 490.09; 310/20,
	310/80; 414/560–569; 297/14, 325–327
	See application file for complete search history.

### (56) References Cited

### U.S. PATENT DOCUMENTS

D412,918	S	*	8/1999	Nagai et al	D15/149
D458,284	$\mathbf{S}$	*	6/2002	Landerholm et al	D15/143
D467,950	S	*	12/2002	Christensen et al	D15/199
6,756,707	B1	*	6/2004	Hochhalter et al	310/20

\* cited by examiner

Primary Examiner—Antoine D. Davis

(74) Attorney, Agent, or Firm-Dykema Gossett PLLC

(57) CLAIM

The ornamental design for a linear actuator, as shown and described.

#### **DESCRIPTION**

FIG. 1 is a top perspective view of a first embodiment of linear actuator according to the present invention when in a retracted state,

FIG. 2 is a bottom perspective view thereof,

FIG. 3 is an elevational right side view thereof,

FIG. 4 is an elevational front view thereof,

FIG. 5 is an elevational left side view thereof,

FIG. 6 is an elevational rear view thereof,

FIG. 7 is a top plan view thereof,

FIG. 8 is a bottom plan view thereof,

FIGS. 9–16 are views that correspond to FIGS. 1–8 when the linear actuator is in an extended state,

FIG. 17 is a top perspective view of a second embodiment of linear actuator according to the present invention when in a retracted state,

FIG. 18 is a bottom perspective view thereof,

FIG. 19 is an elevational right side view thereof,

FIG. 20 is an elevational front view thereof,

FIG. 21 is an elevational left side view thereof,

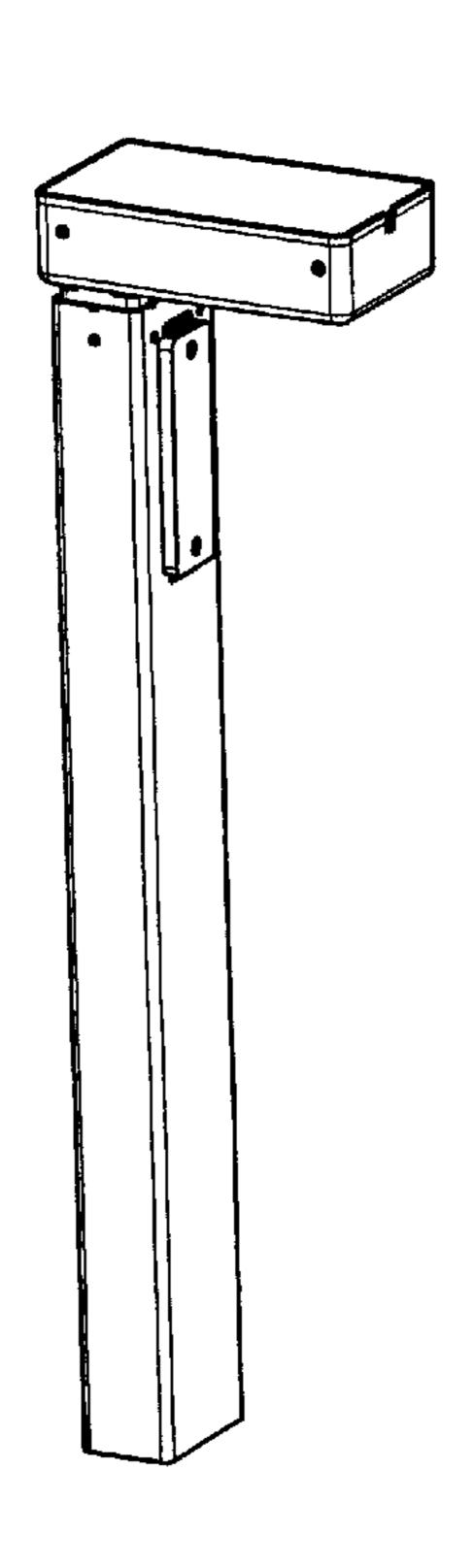
FIG. 22 is an elevational rear view thereof,

FIG. 23 is a top plan view thereof,

FIG. 24 is a bottom plan view thereof; and,

FIGS. 25–32 are views that correspond to FIGS. 17–24 when the linear actuator is in an extended state.

### 1 Claim, 8 Drawing Sheets



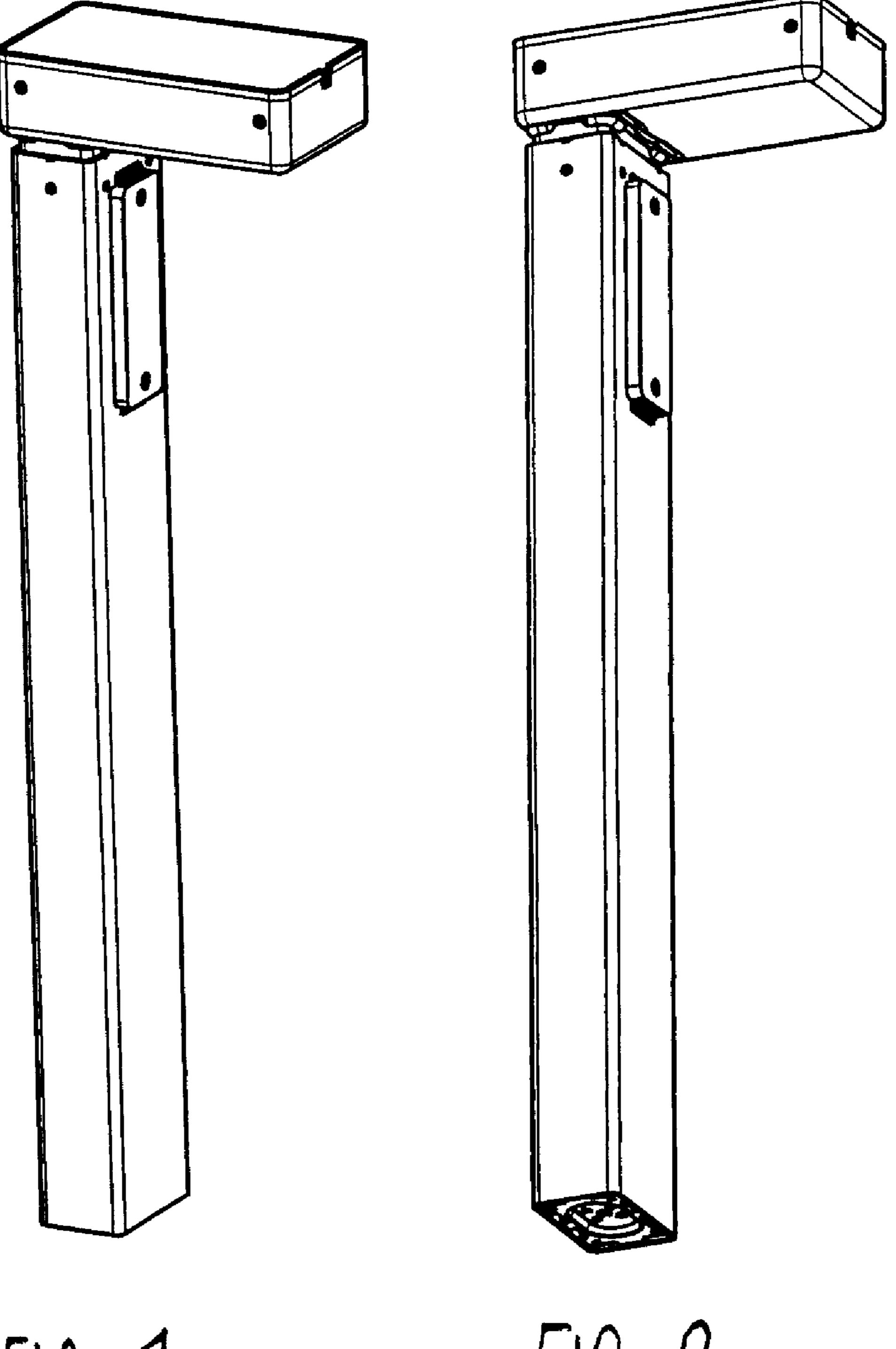
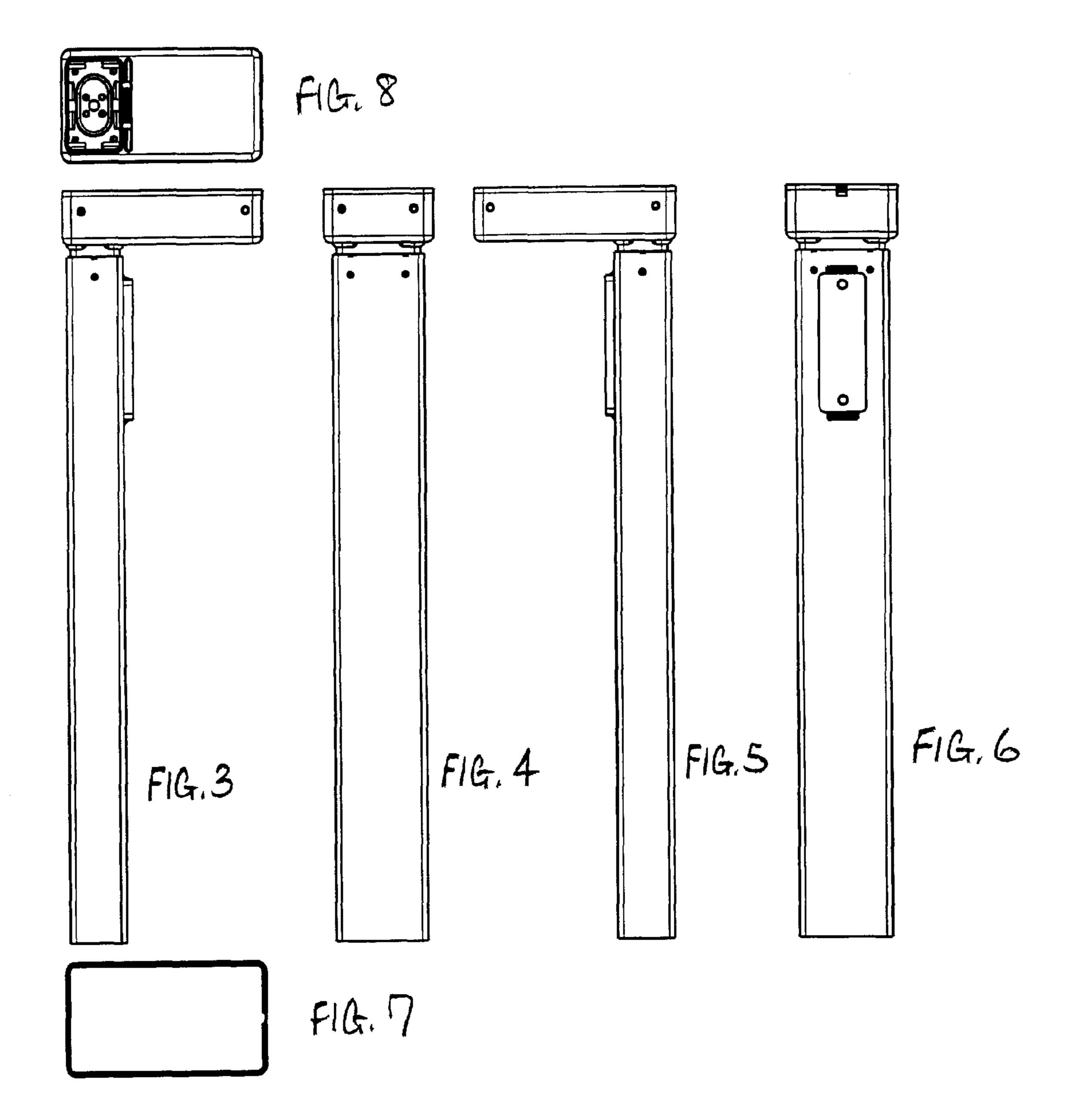
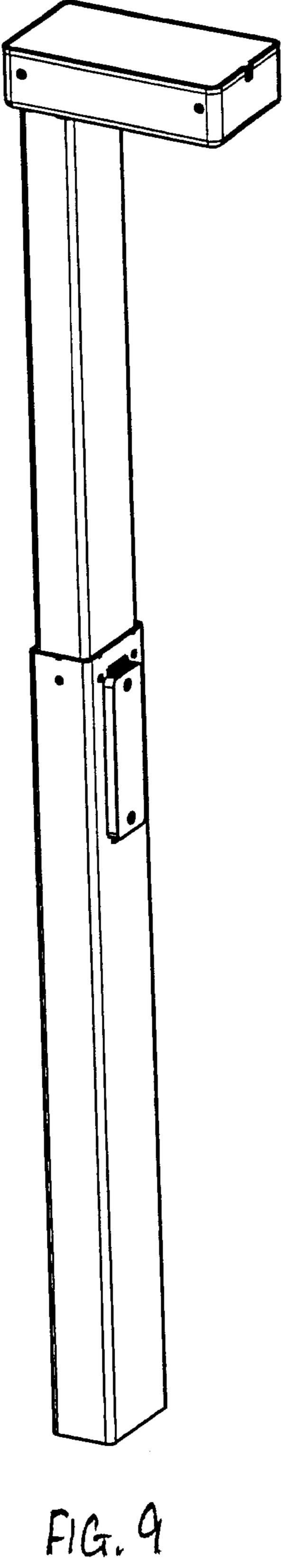
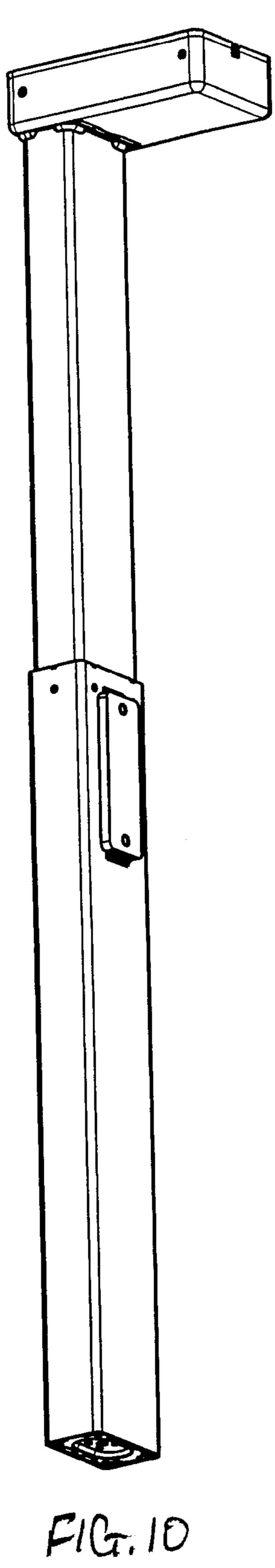


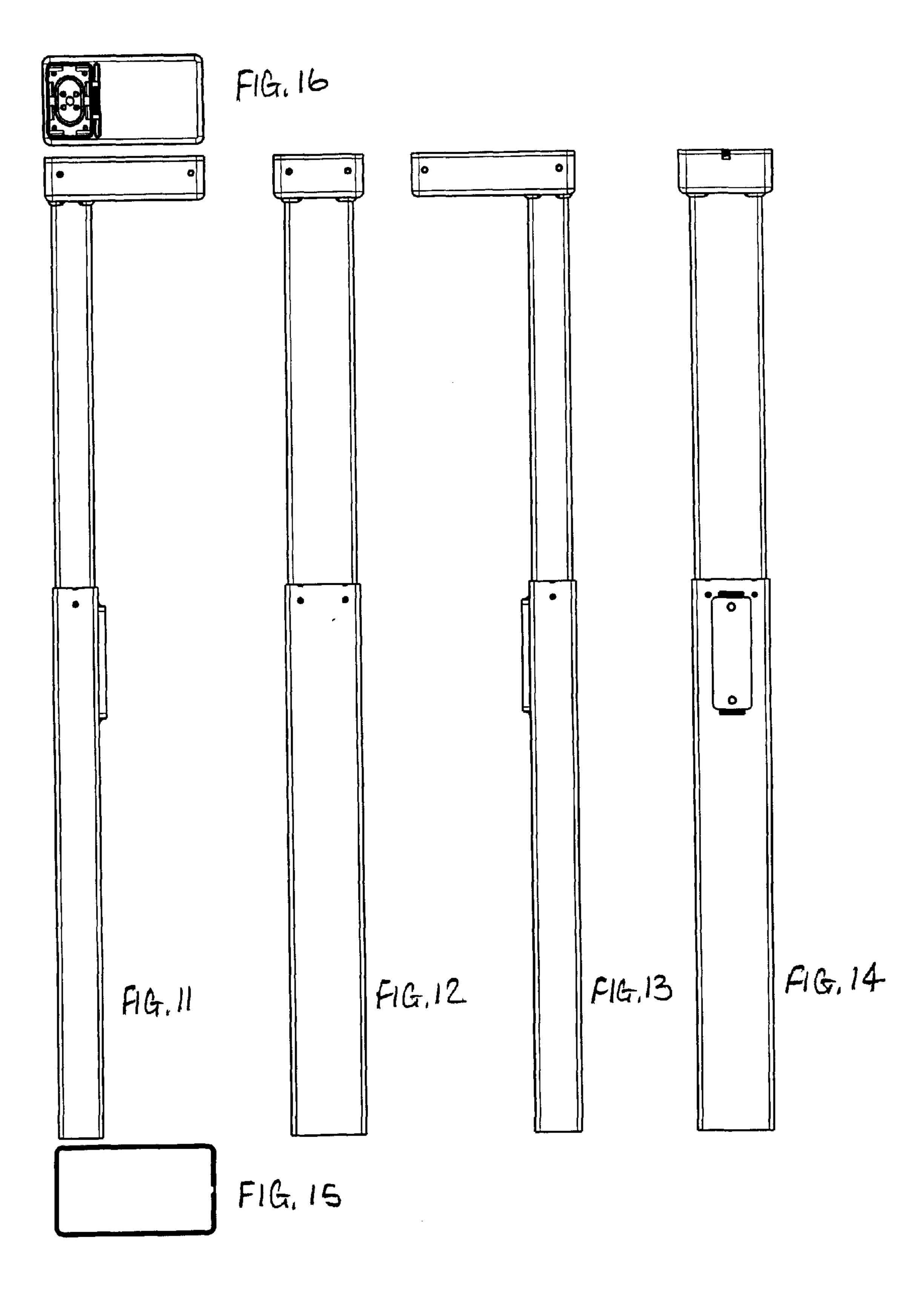
FIG. 1

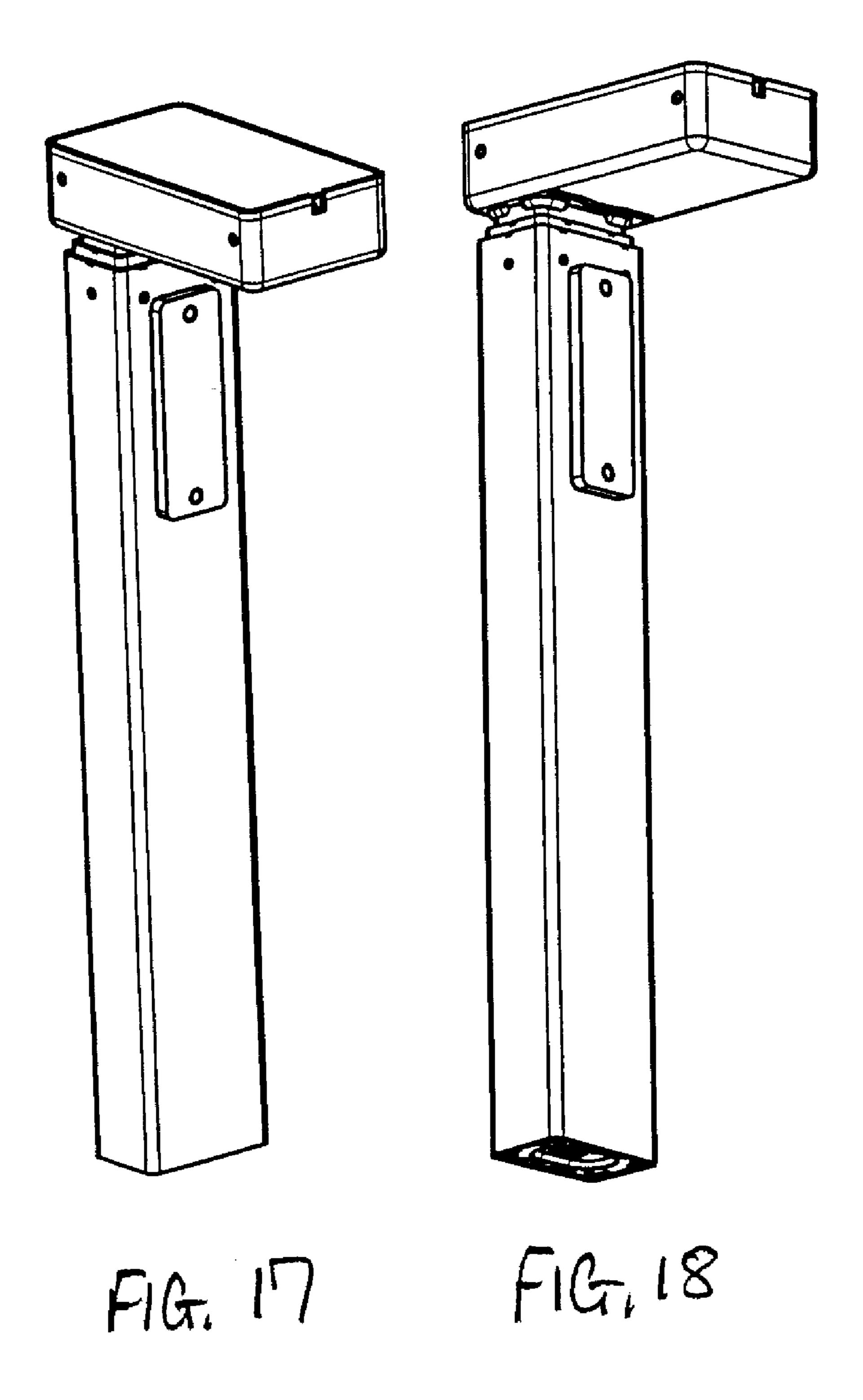
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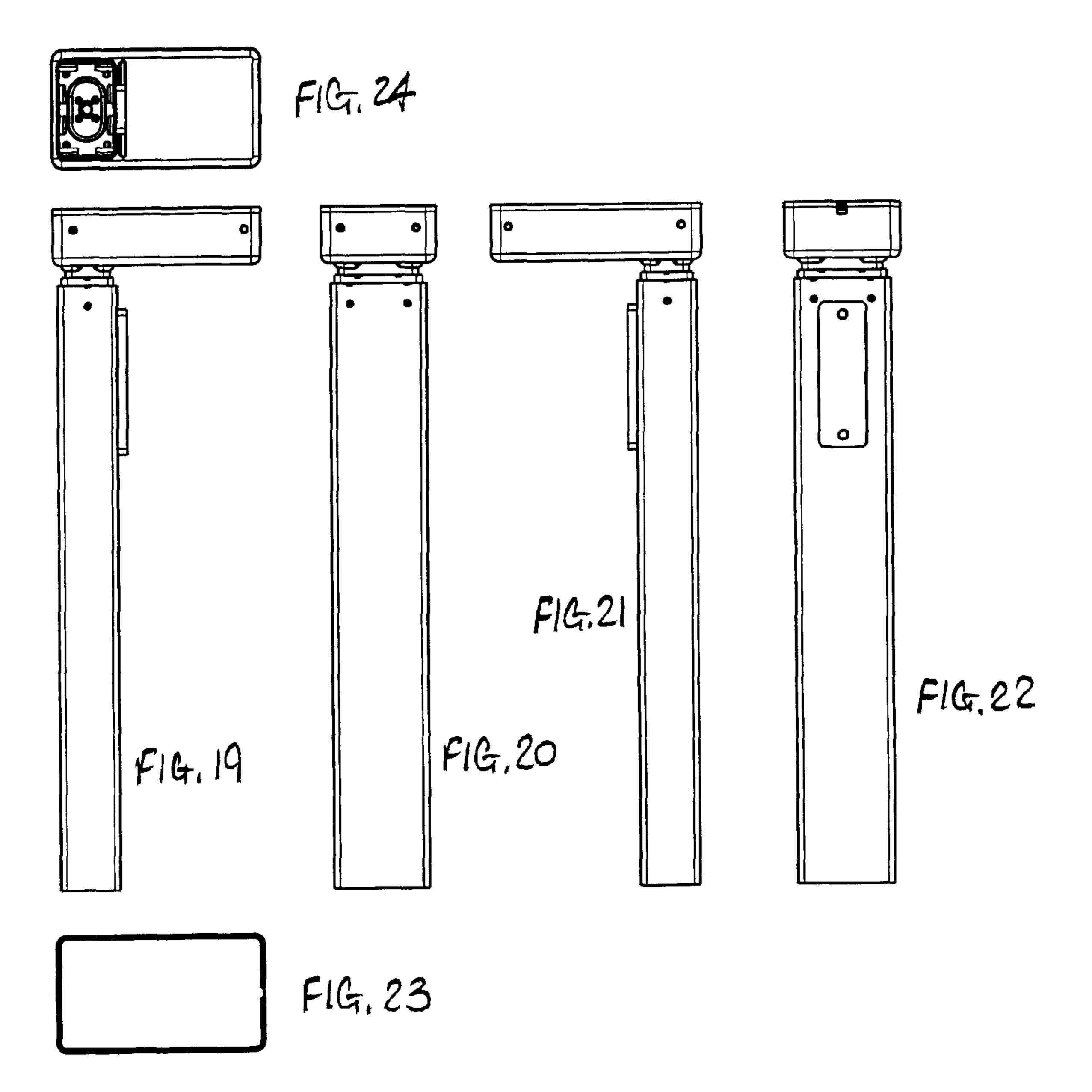




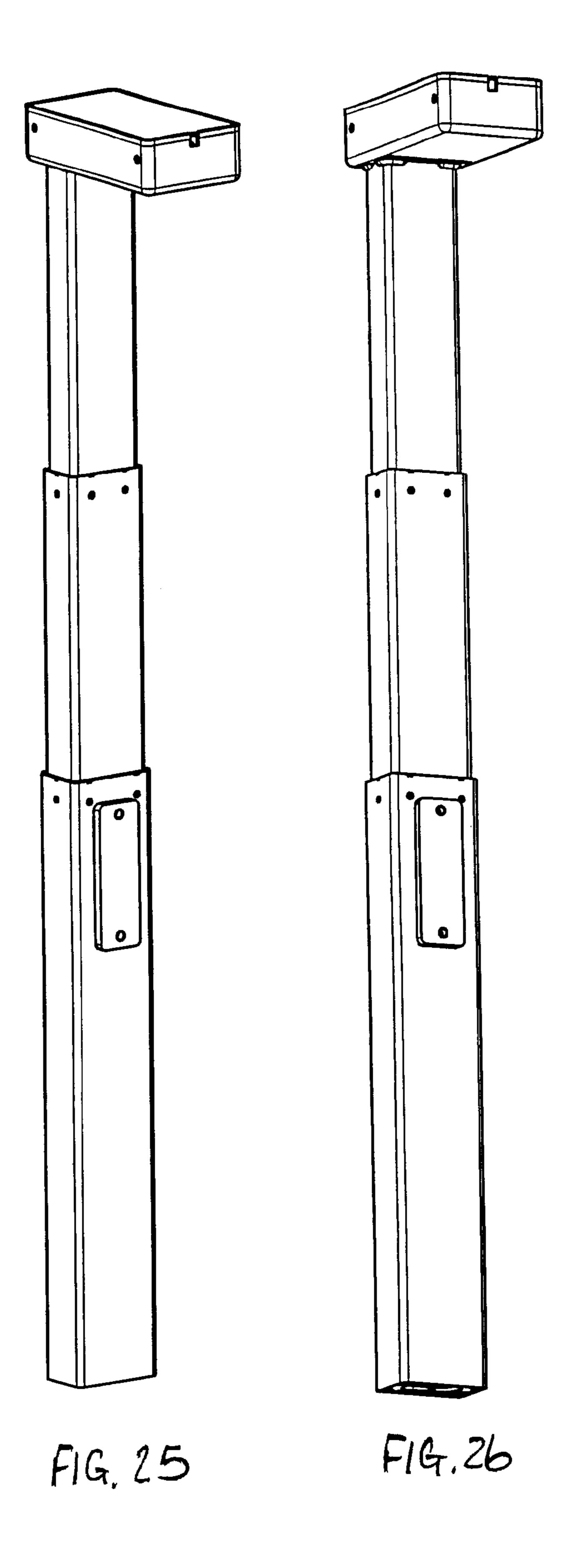


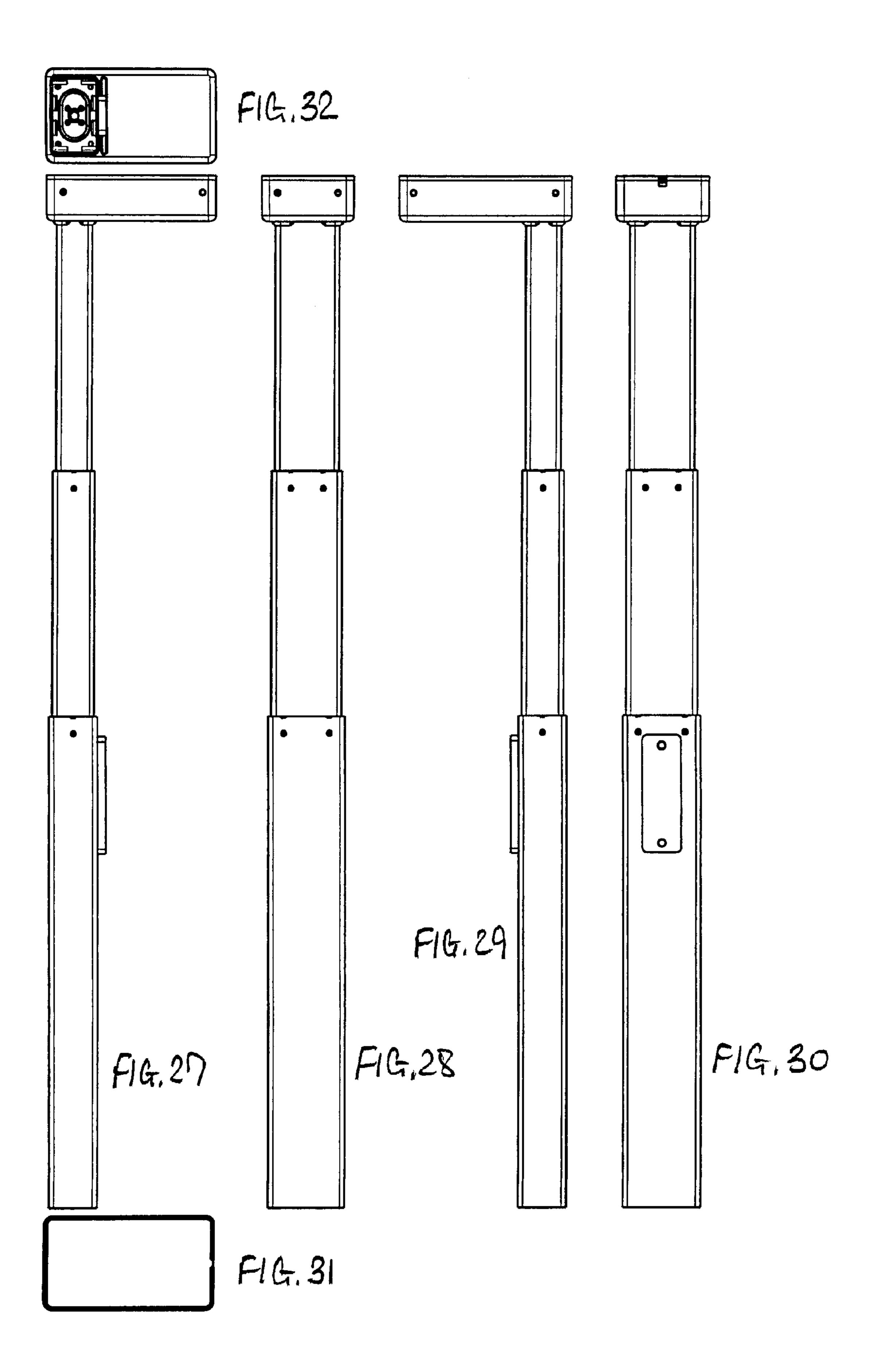






Jul. 4, 2006





# UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : Des. 524,335 S

APPLICATION NO. : 29/224339 DATED : July 4, 2006

INVENTOR(S) : Norbert Klinke et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

The title page showing the illustrative figure should be deleted to be replaced with the attached title page.

Delete drawing sheets 1-8 and substitute therefor the Drawing Sheets, consisting of Figs. 1-32, as shown on the attached pages.

Signed and Sealed this

Second Day of January, 2007

JON W. DUDAS

Director of the United States Patent and Trademark Office

## (12) United States Design Patent (10) Patent No.:

(45) Date of Patent:

US D524,335 S \*\* Jul. 4, 2006

(54) LINEAR ACTUATOR

Klinke et al.

(75) Inventors. Norbert Klinke, Augustenborg (DK); Christian Platz, Haderslev (DK)

(73) Assignee: LINAK A/S, Nordborg (DK)

(\*\*) Term. 14 Years

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Primary Examiner—Antoine D. Davis

(74) Attorney, Agent, or Firm-Dykema Gossett PLLC

(57) CLAIM

The omamental design for a linear actuator, as shown and described.

### DESCRIPTION

FIG. 1 is a top perspective view of a first embodiment of linear actuator according to the present invention when in a retracted state,

FIG. 2 is a bottom perspective view thereof,

FIG. 3 is an elevational right side view thereof,

FIG. 4 is an elevational front view thereof,

FIG. 5 is an elevational left side view thereof,

FIG. 6 is an elevational rear view thereof,

FIG. 7 is a top plan view thereof,

FIG. 8 is a bottom plan view thereof,

FIGS. 9-16 are views that correspond to FIGS. 1-8 when the

linear actuator is in an extended state,

FIG. 17 is a top perspective view of a second embodiment of linear actuator according to the present invention when in a retracted state,

FIG. 18 is a bottom perspective view thereof,

FIG. 19 is an elevational right side view thereof,

FIG. 20 is an elevational front view thereof,

FIG. 21 is an elevational left side view thereof,

FIG. 22 is an elevational rear view thereof,

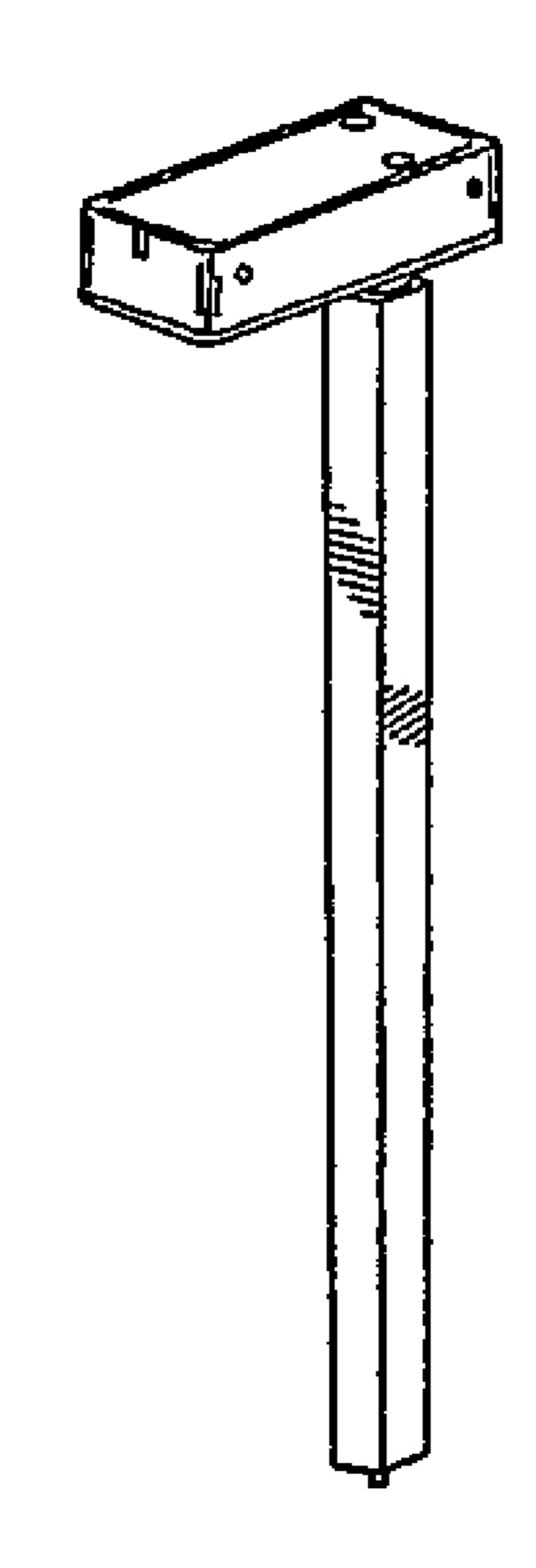
FIG. 23 is a top plan view thereof,

FIG. 24 is a bottom plan view thereof; and,

FIGS. 25-32 are views that correspond to FIGS. 17-24

when the linear actuator is in an extended state.

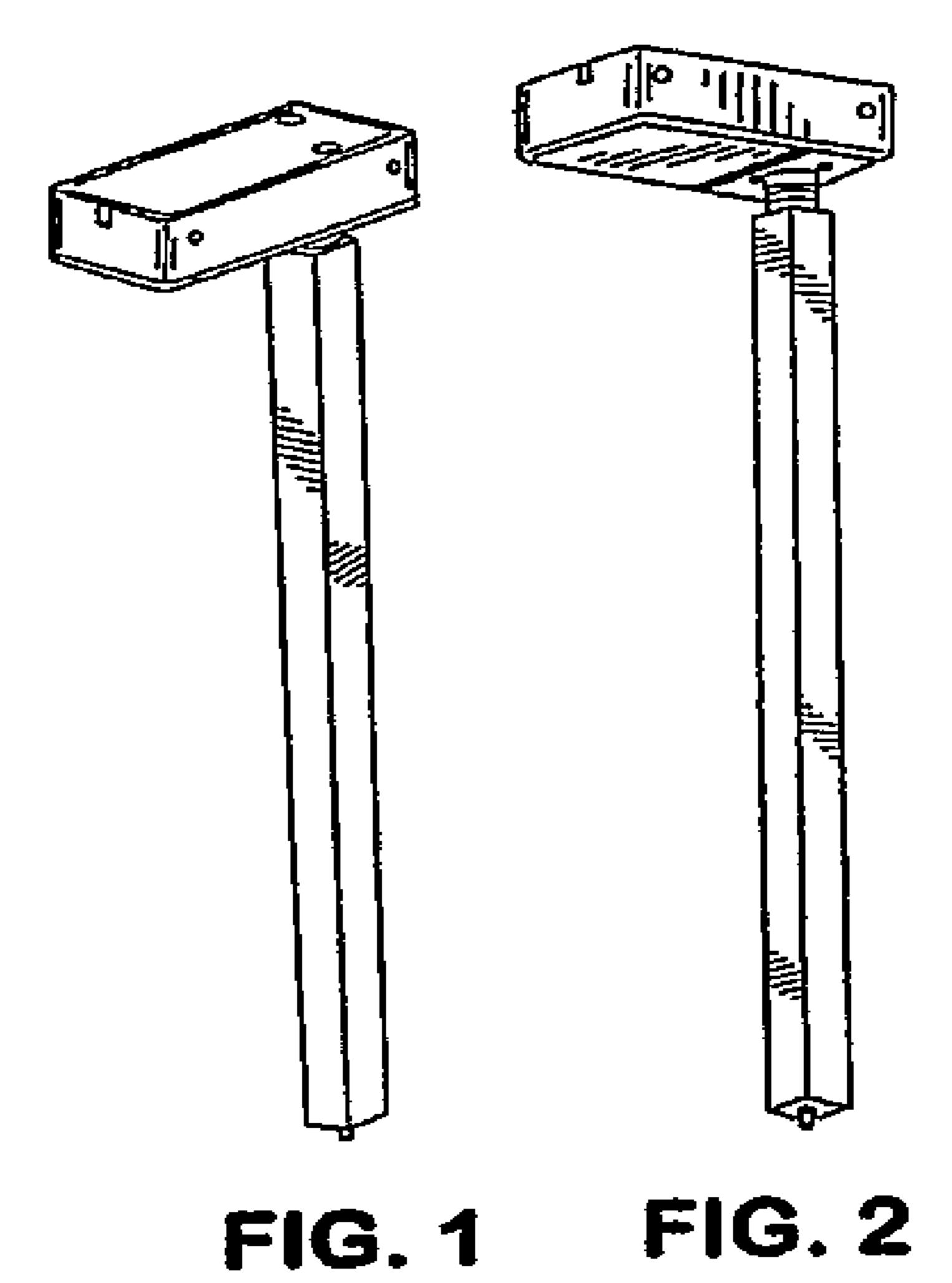
### 1 Claim, 8 Drawing Sheets



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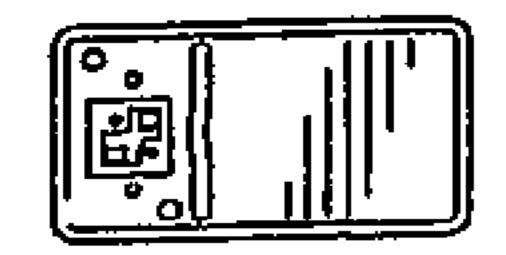


FIG. 8

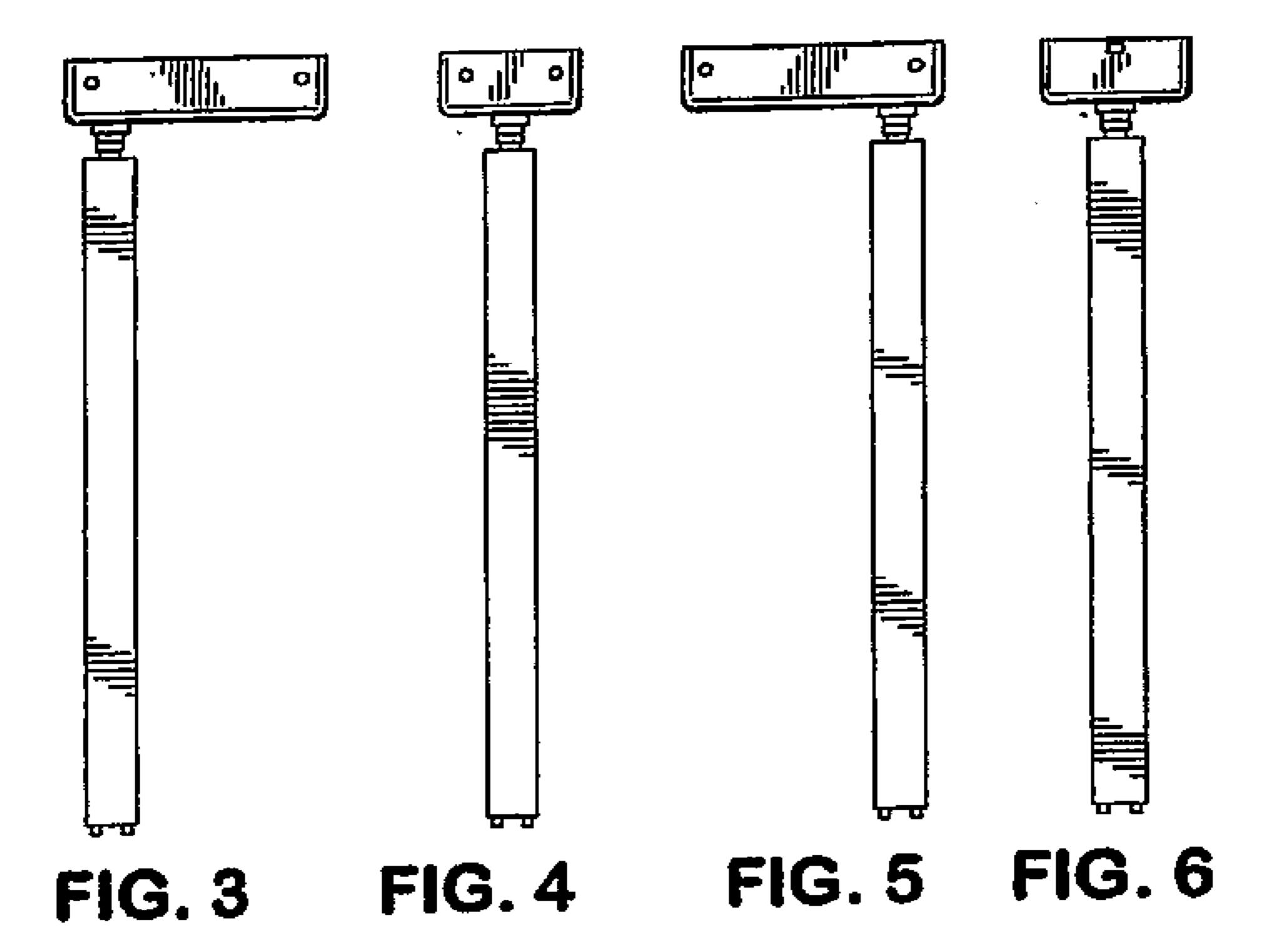


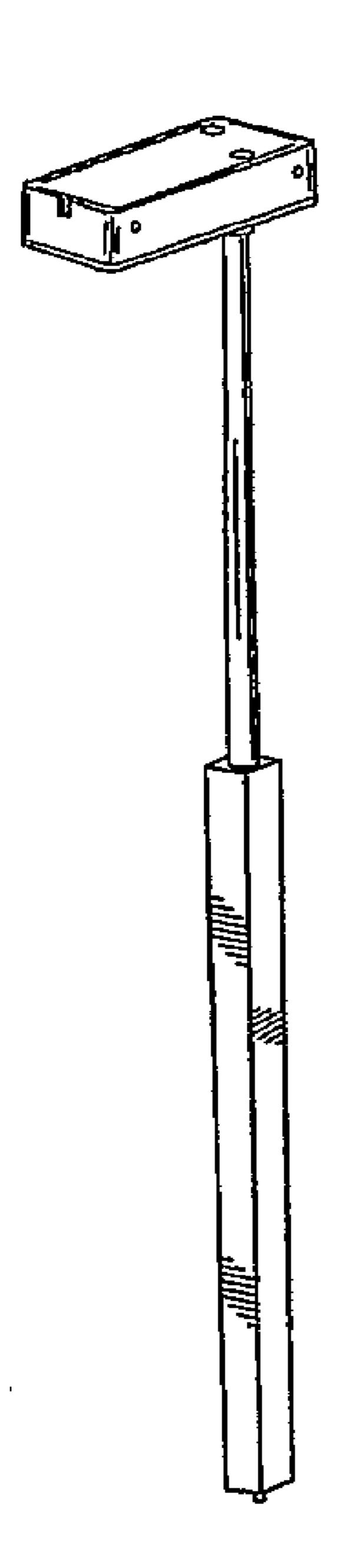


FIG. 7

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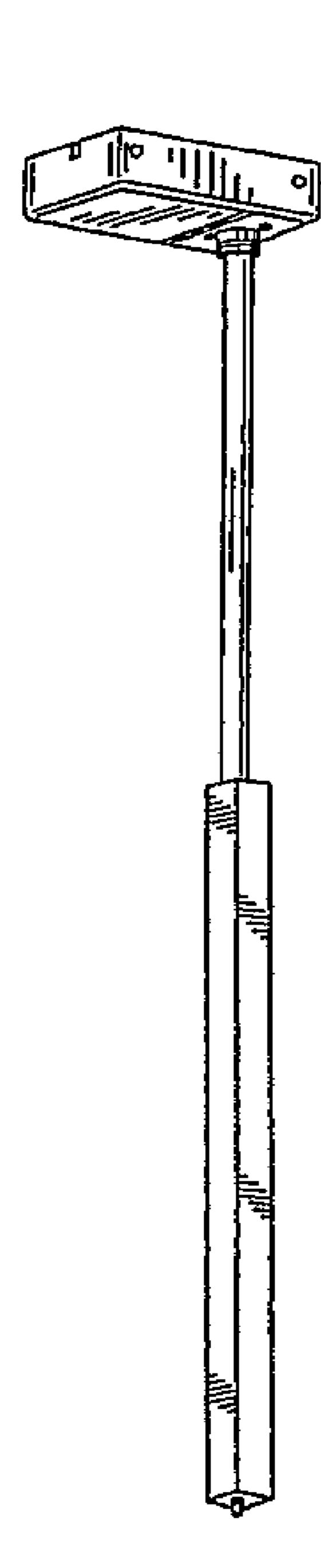
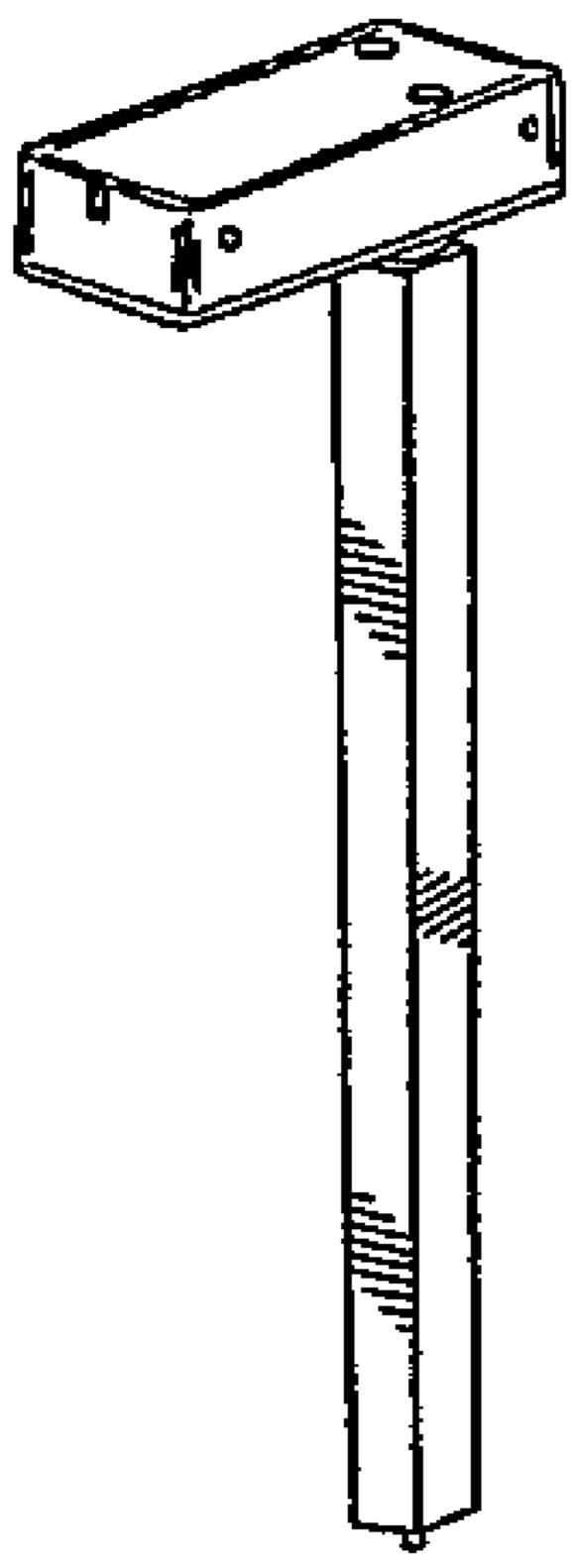


FIG. 10

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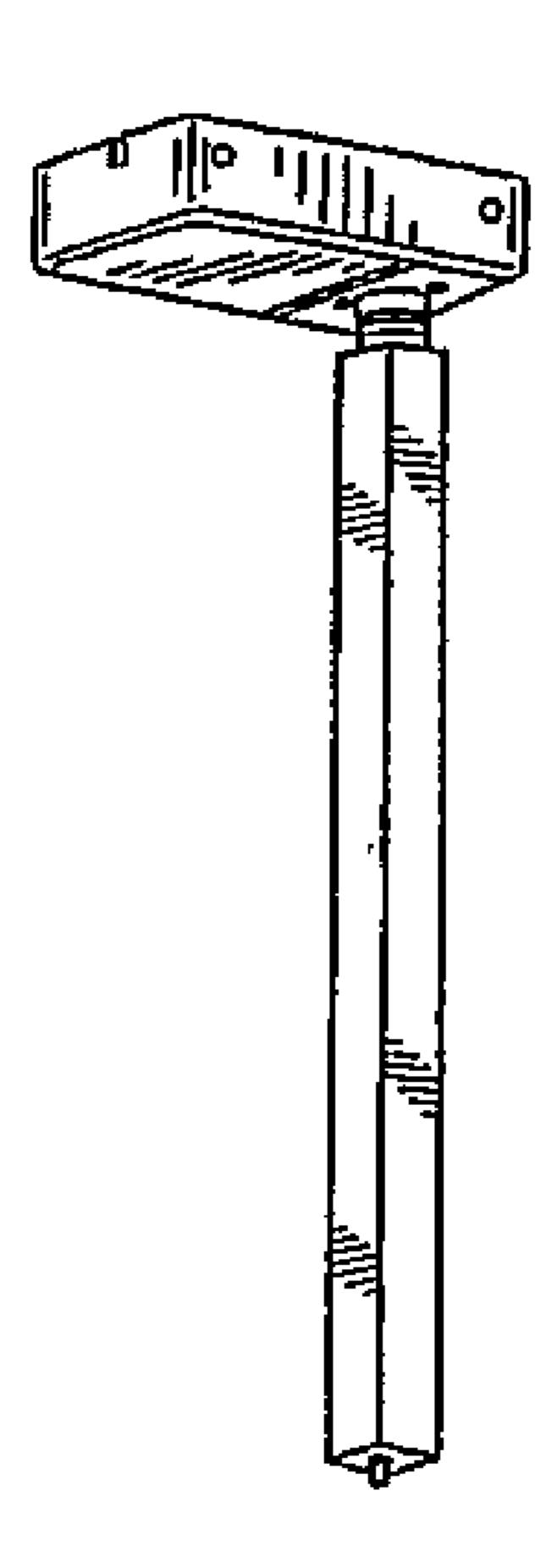


FIG. 18



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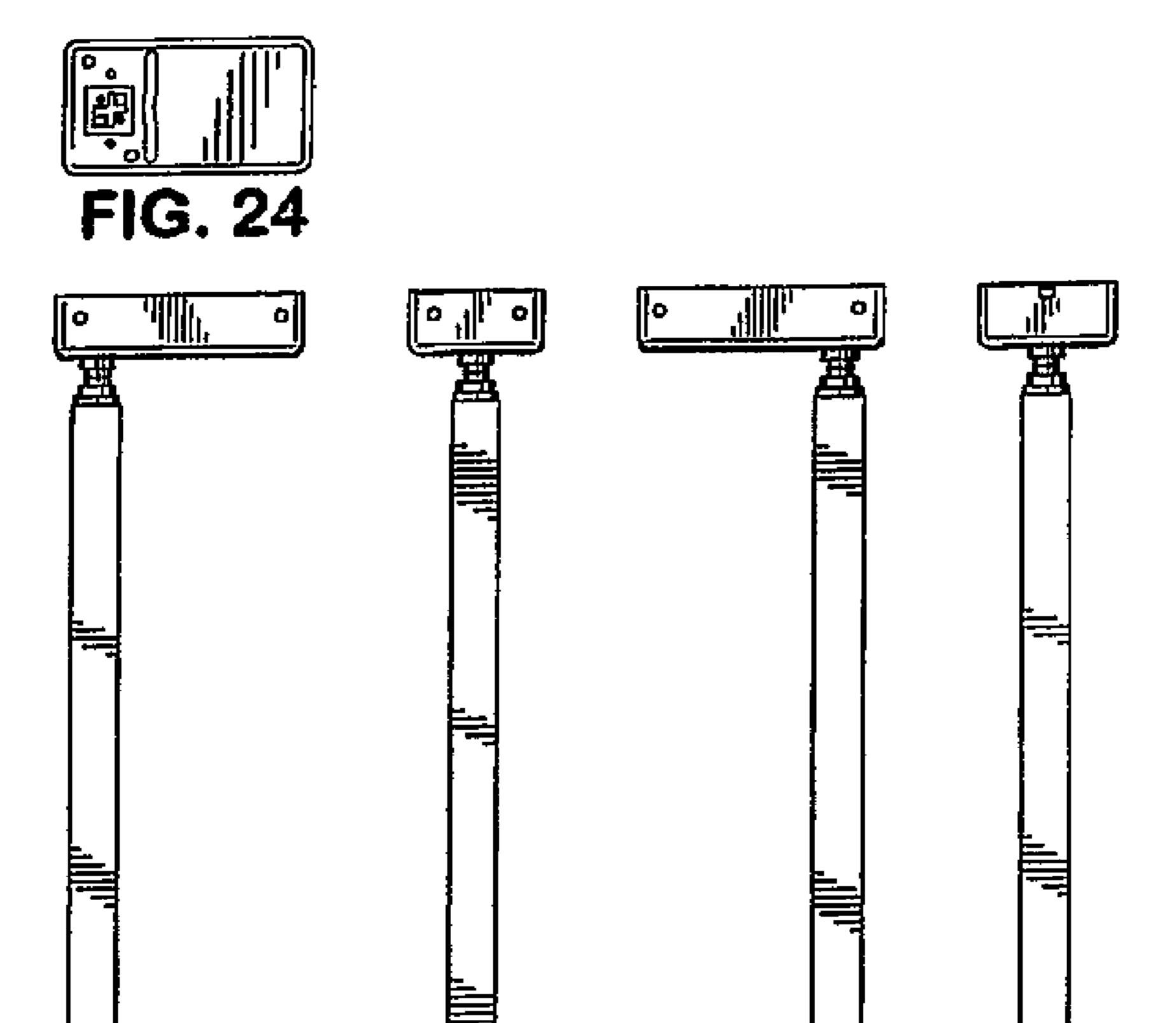


FIG. 19 FIG. 20 FIG. 21 FIG. 22



FIG. 23

FIG. 25

