



US00D957230S

(12) **United States Design Patent** (10) **Patent No.:** **US D957,230 S**
Ma (45) **Date of Patent:** **** Jul. 12, 2022**

(54) **HIDDEN DOOR HINGE**

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(72) Inventor: **Xunke Ma**, Guangzhou (CN)

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

(21) Appl. No.: **29/806,277**

(22) Filed: **Sep. 2, 2021**

(51) **LOC (13) Cl.** **08-06**

(52) **U.S. Cl.**
USPC **D8/328**

(58) **Field of Classification Search**
USPC D8/323, 328; 292/264; 16/250, 251;
248/213

CPC B64G 1/222; E05D 1/02; E05D 11/082;
E05D 5/12

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,050,045 A * 8/1936 Eden, Jr. B21K 13/02
29/415
3,447,169 A * 6/1969 Watson A47K 13/12
4/240
D372,852 S * 8/1996 Noll D8/328
D413,505 S * 9/1999 Perkins D8/323
D436,515 S * 1/2001 Sonntag D8/328
D497,533 S * 10/2004 Wegman D8/323
D497,534 S * 10/2004 Wegman D8/323
D534,053 S * 12/2006 Sozzi D8/329
D544,779 S * 6/2007 Loggen D8/327
D584,130 S * 1/2009 Bertani D8/328
7,591,044 B2 * 9/2009 Migli E05D 5/065
16/242

7,594,300 B2 * 9/2009 Nallamottu E05D 7/0407
16/236
D605,926 S * 12/2009 Yamaguchi D8/328
D625,576 S * 10/2010 Oshima D8/329
D632,540 S * 2/2011 Oshima D8/329
D632,945 S * 2/2011 Oshima D8/329
D635,434 S * 4/2011 Oshima D8/329
D758,829 S 6/2016 Bennett
D775,932 S 1/2017 van Hillo
D818,343 S 5/2018 Ignarra
D883,066 S 5/2020 Yu

* cited by examiner

Primary Examiner — Cynthia R Underwood

(57) **CLAIM**

The ornamental design for a hidden door hinge, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a hidden door hinge showing my new design;

FIG. 2 is a front elevational view thereof;

FIG. 3 is a rear elevational view thereof;

FIG. 4 is a left side elevational view thereof;

FIG. 5 is a right side elevational view thereof;

FIG. 6 is a top plan view thereof;

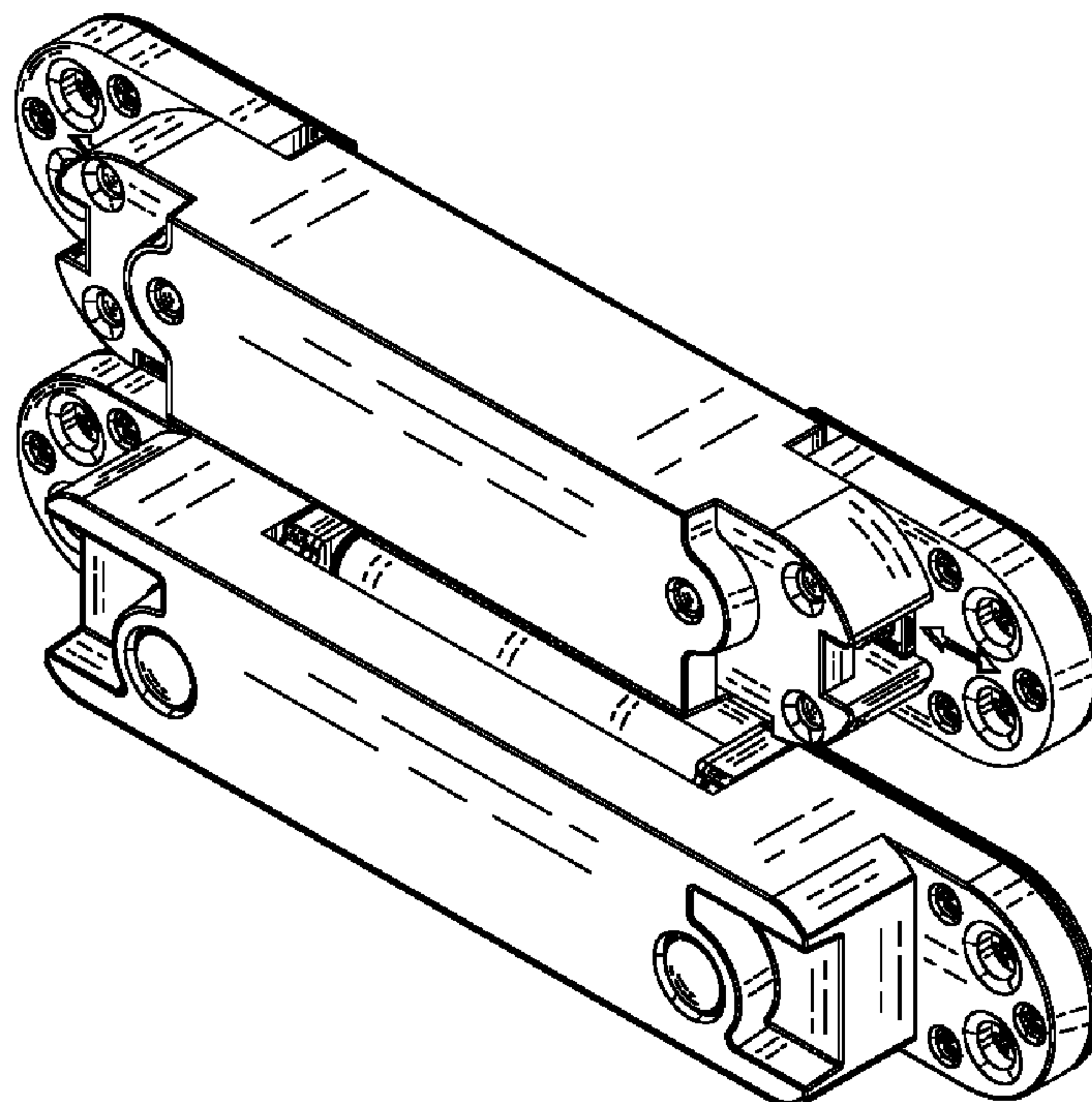
FIG. 7 is a bottom plan view thereof;

FIG. 8 is another perspective view in folded condition thereof;

FIG. 9 is another front elevational view in separate condition thereof; and,

FIG. 10 is another perspective view in separate condition thereof.

1 Claim, 10 Drawing Sheets



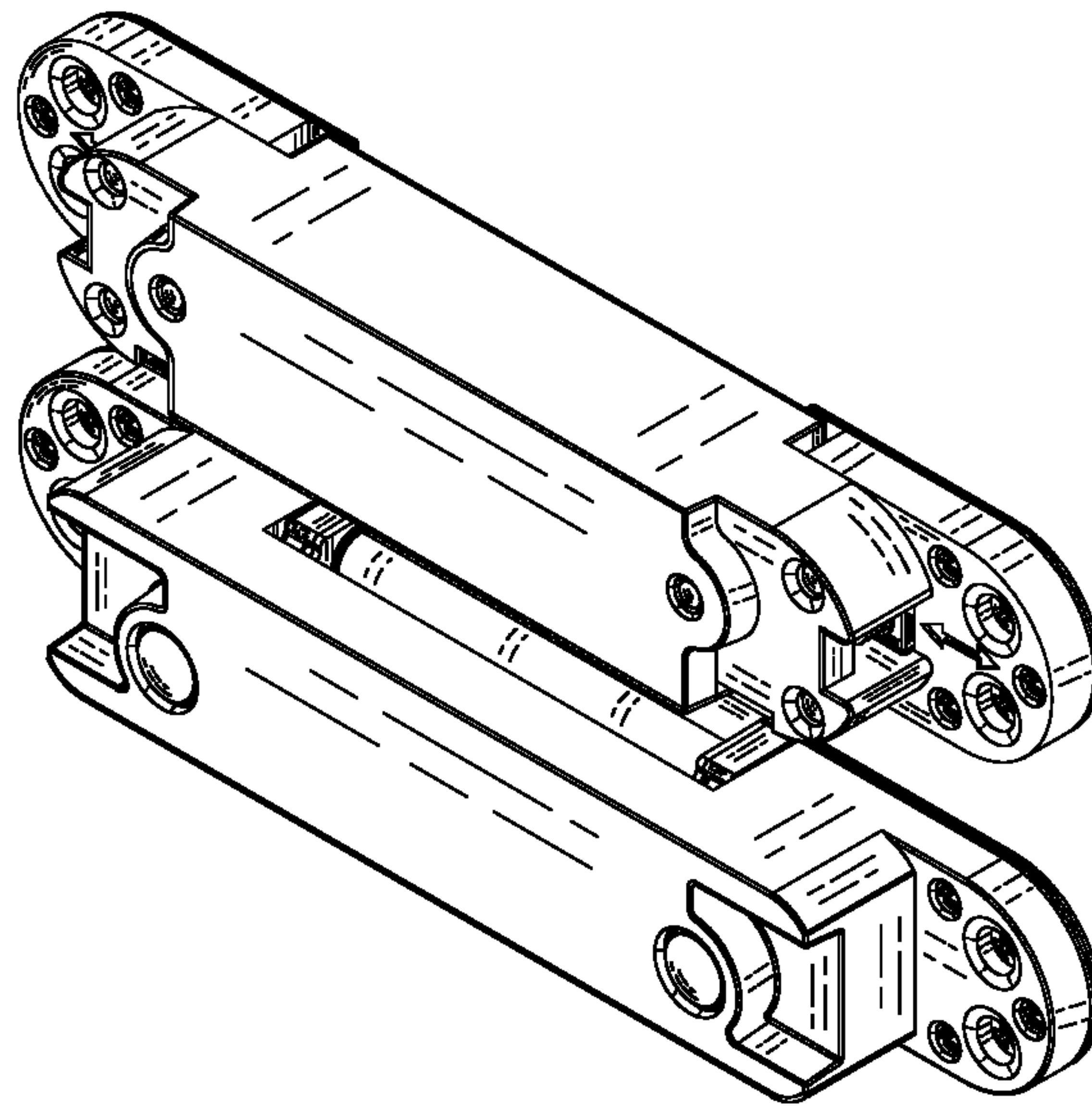


FIG.1

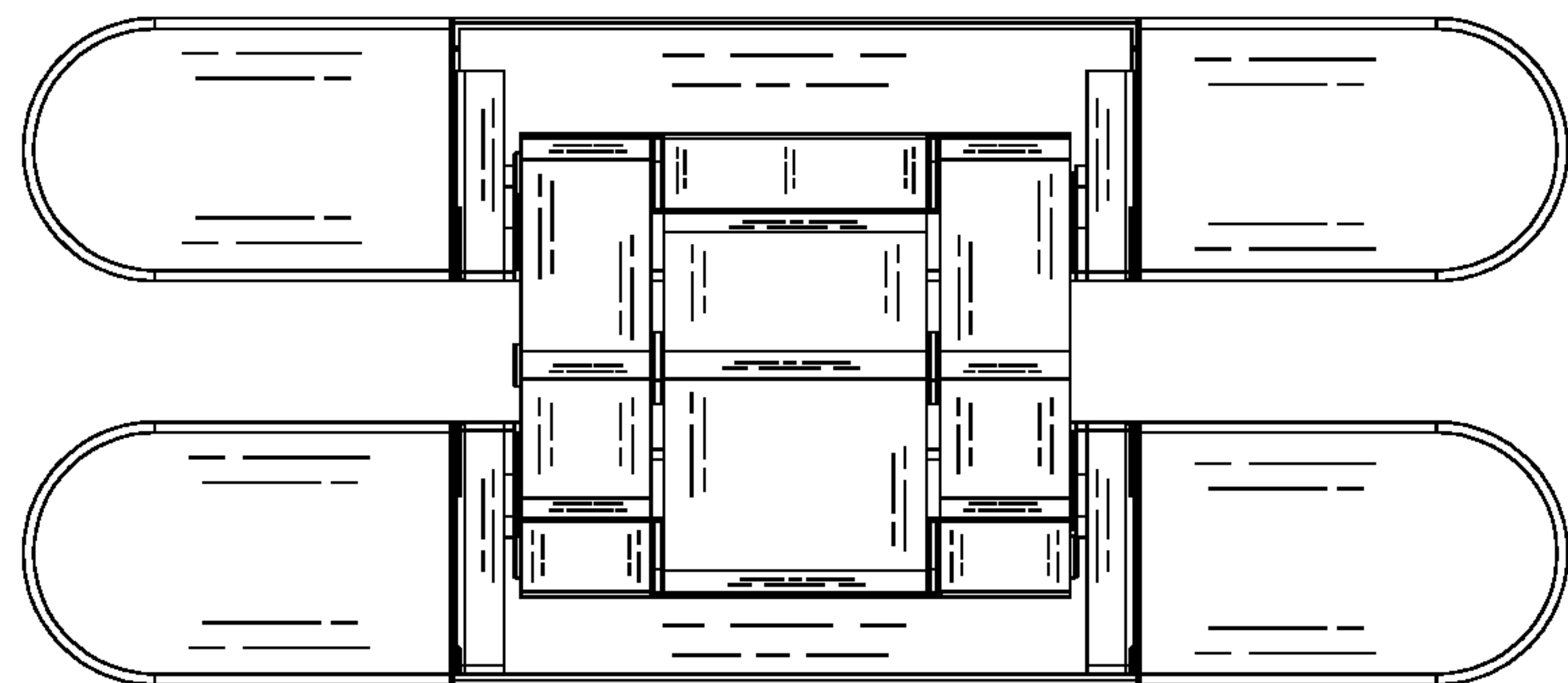


FIG.2

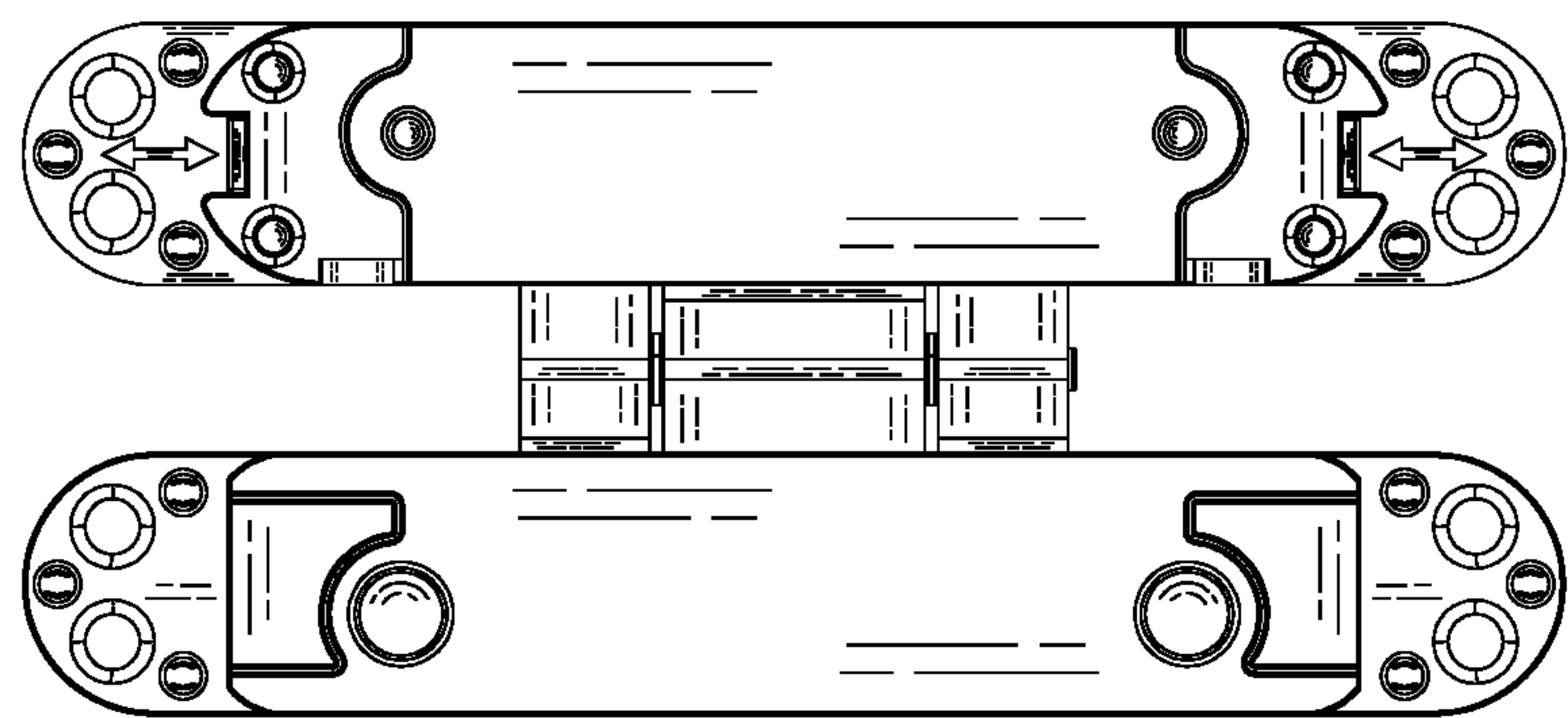


FIG.3

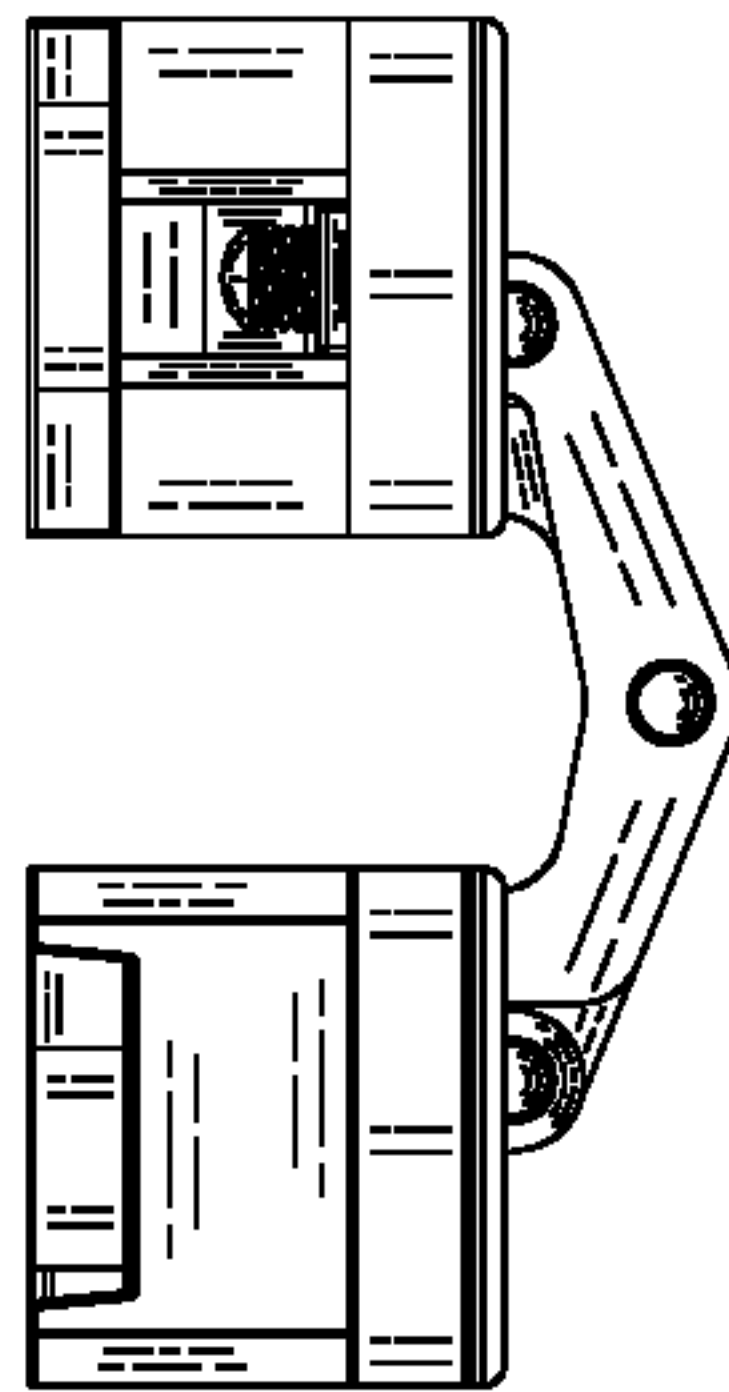


FIG.4

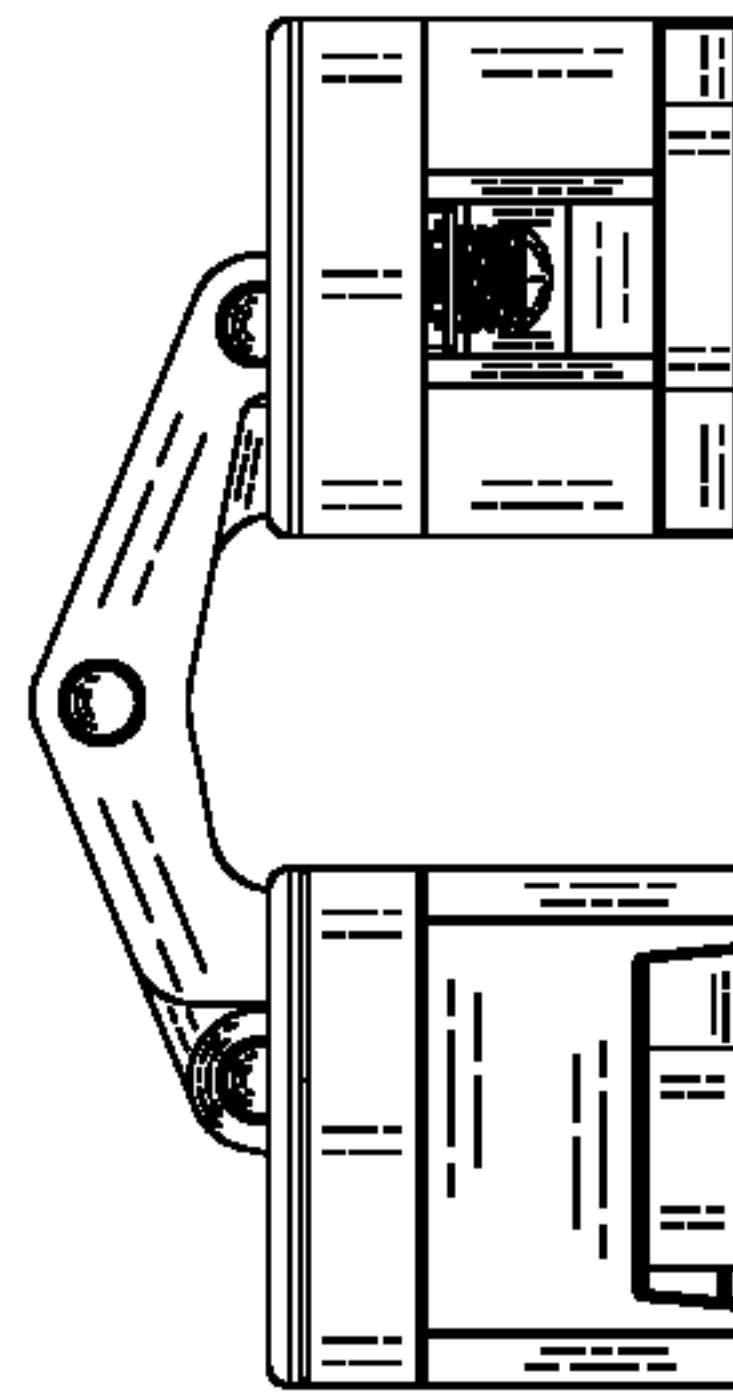


FIG.5

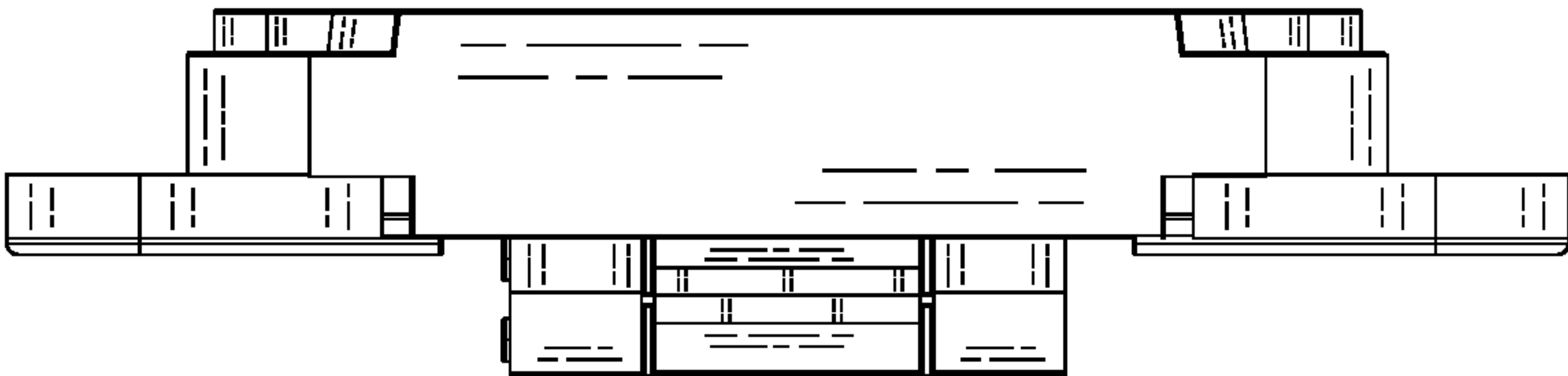


FIG.6

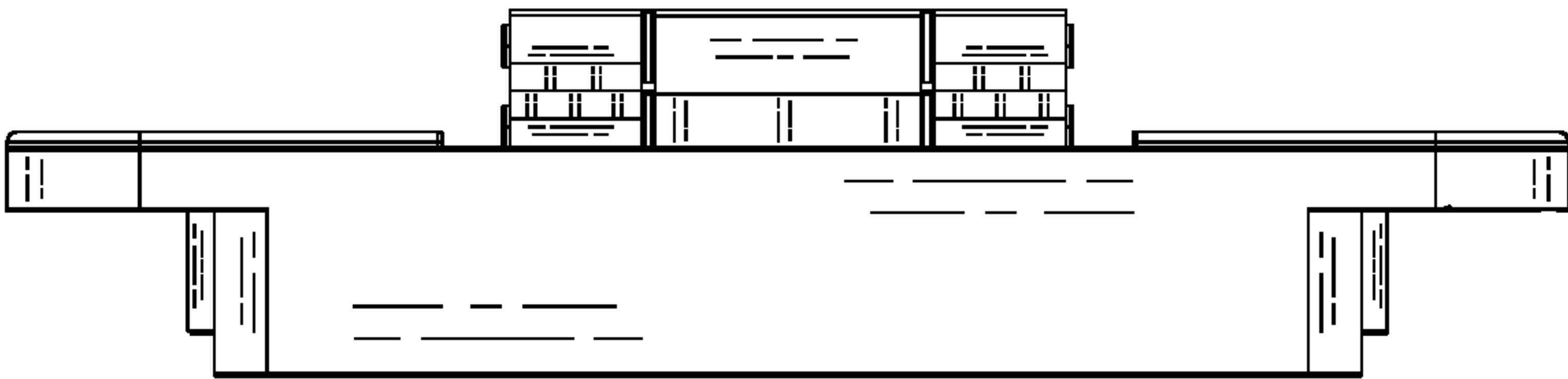


FIG.7

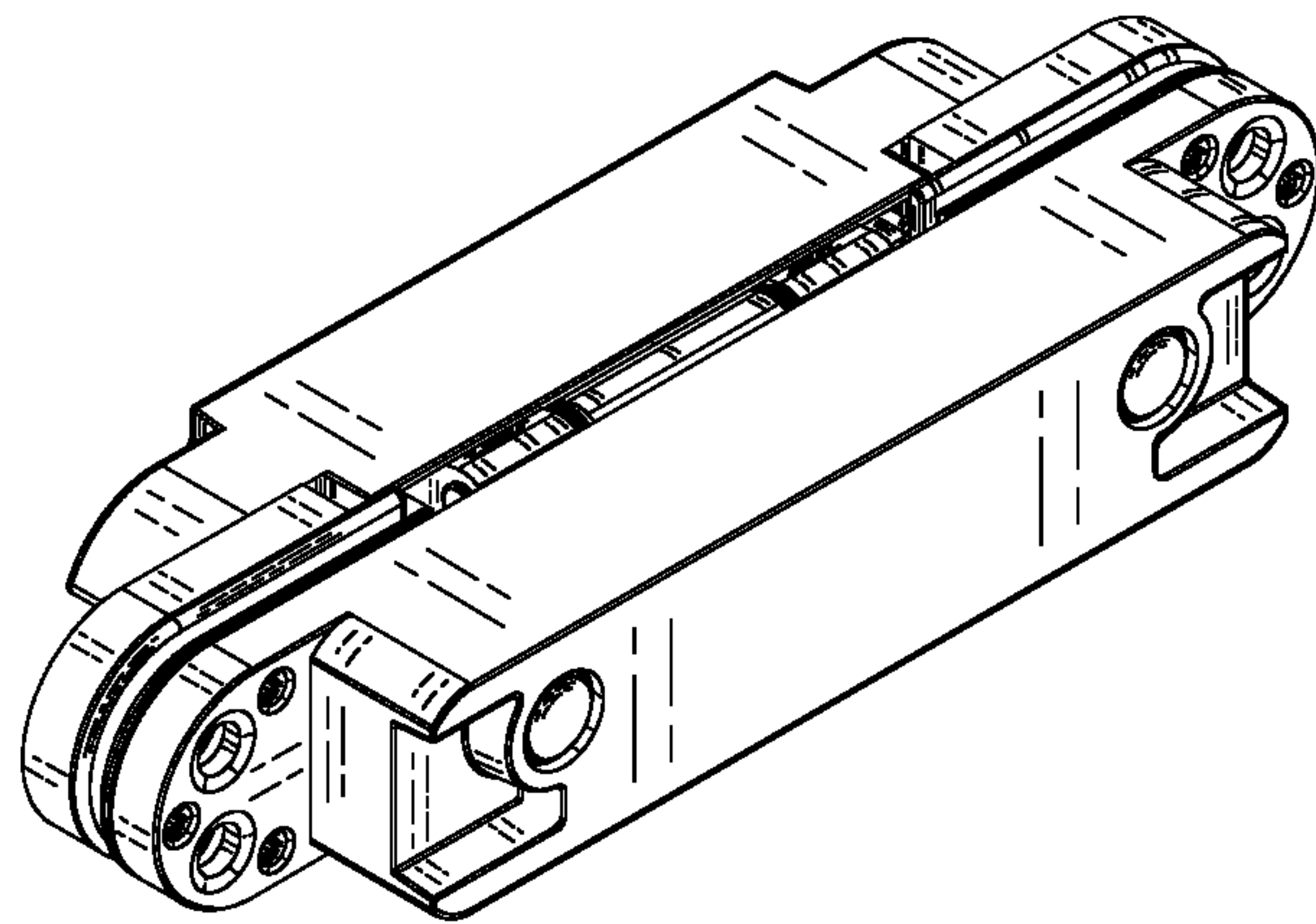


FIG.8

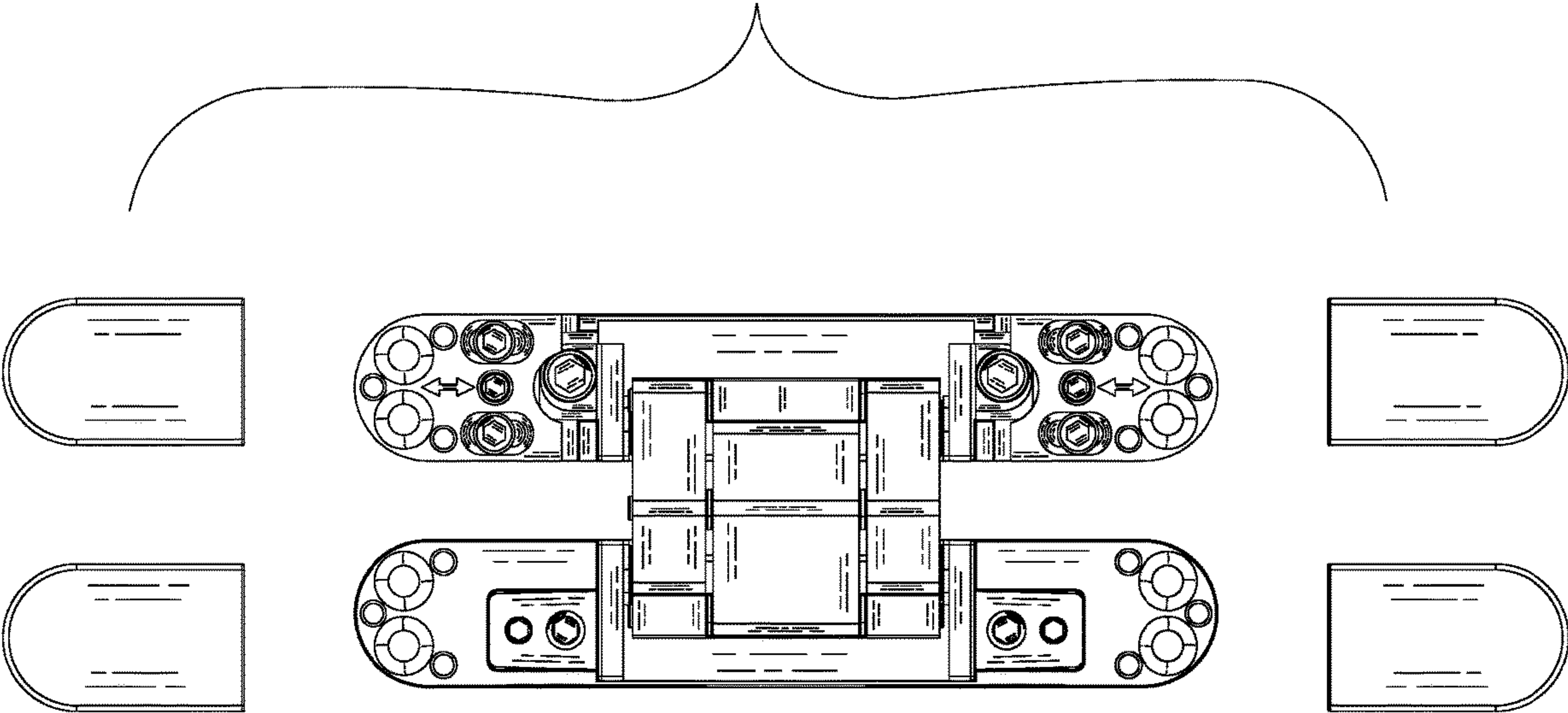


FIG.9

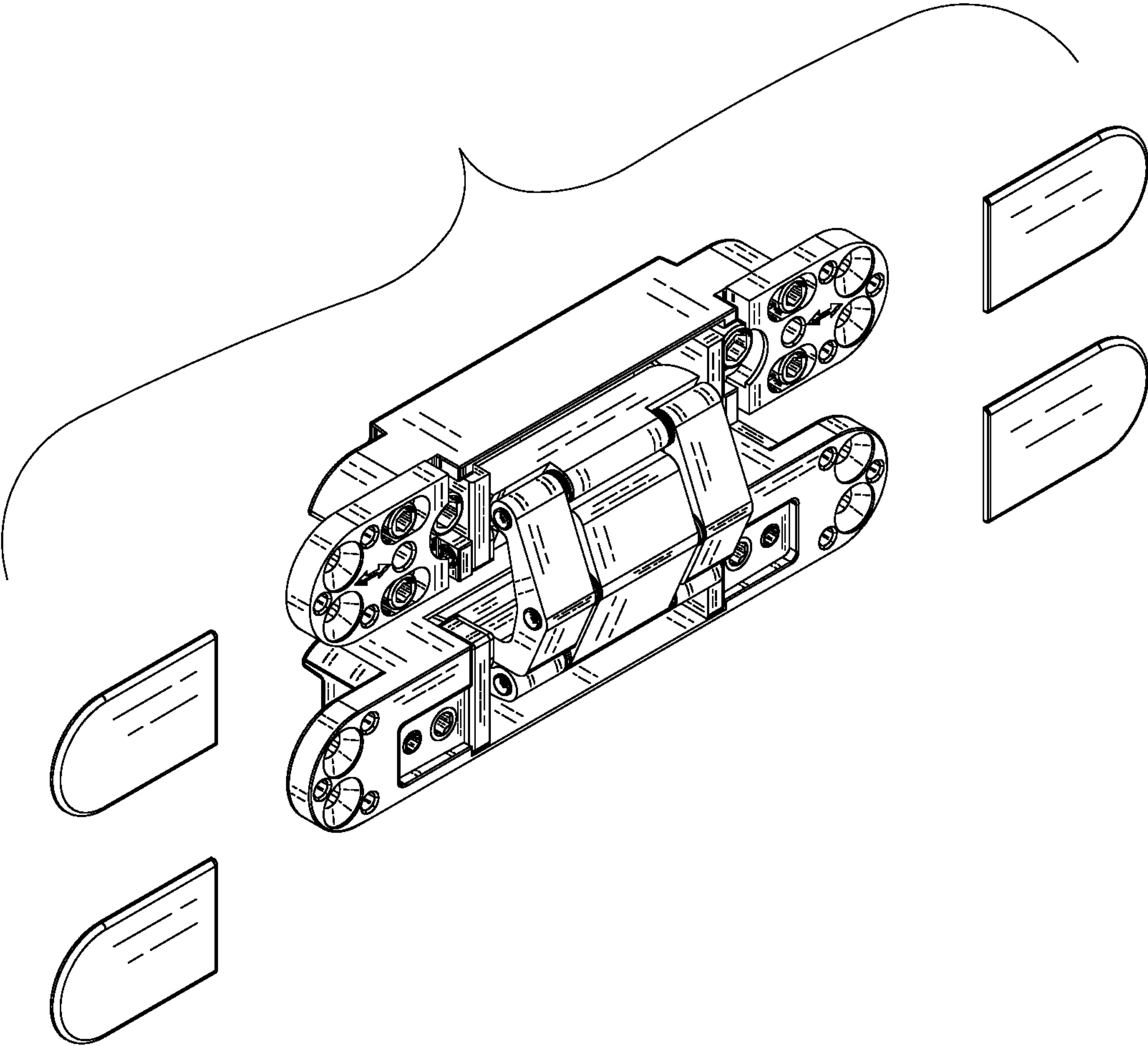


FIG.10