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(12) **United States Design Patent** (10) **Patent No.:** **US D904,987 S**
Choi (45) **Date of Patent:** **** Dec. 15, 2020**

(54) **MOLDED CASE CIRCUIT BREAKER**
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(**) Term: **15 Years**

D761,738 S * 7/2016 Huhne D13/158
D761,739 S * 7/2016 Huhne D13/158
D789,894 S * 6/2017 Lecoanet D13/160
D798,244 S * 9/2017 Lecoanet D13/158
D897,965 S * 10/2020 Personeni D13/160
2006/0071750 A1* 4/2006 Marks H01H 71/0207
336/172
2013/0220784 A1* 8/2013 Castaneda Arriaga .. H01H 9/22
200/293

(Continued)

(21) Appl. No.: **29/687,090**

FOREIGN PATENT DOCUMENTS

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EP 903762 A2 * 3/1999 H01H 71/02
EP 2020664 A1 * 2/2009 H01H 9/0264
GB 2448198 A * 10/2008

(30) **Foreign Application Priority Data**

Oct. 19, 2018 (KR) 30-2018-0048263

OTHER PUBLICATIONS

(51) **LOC (12) Cl.** **13-03**
(52) **U.S. Cl.**
USPC **D13/160**

Susol Super Solutions, Low voltage circuit breakers, dated Dec. 2015, Published by LSIS USA Inc. 84 Pages (Year: 2015).*

(58) **Field of Classification Search**
USPC D13/110, 123, 158-160, 168-171, 173,
D13/184, 199
CPC H01H 9/00; H01H 9/02; H01H 71/00;
H01H 71/02; H01H 71/04; H01H 71/08;
H02B 1/00; H02B 1/04; H02B 1/48;
H02H 3/00; H02H 3/16

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See application file for complete search history.

(57) **CLAIM**

The ornamental design for a molded case circuit breaker, as shown and described herein.

(56) **References Cited**

DESCRIPTION

U.S. PATENT DOCUMENTS

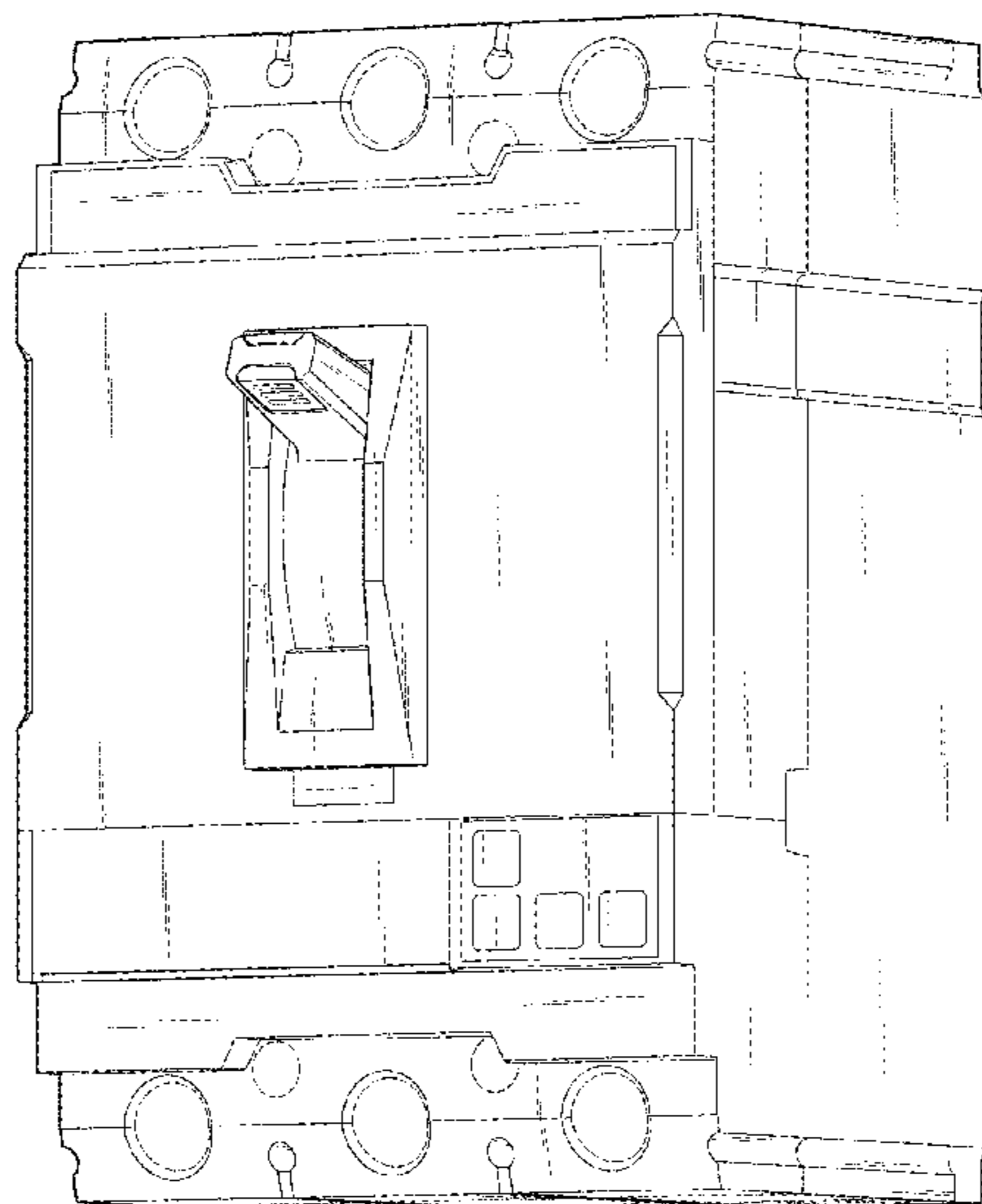
4,680,672 A * 7/1987 May H02B 1/48
361/634
5,150,091 A * 9/1992 Hart H01H 9/0264
200/293
D499,700 S * 12/2004 Raabe D13/160
D499,701 S * 12/2004 Kim D13/160
D511,502 S * 11/2005 Kim D13/160
D547,729 S * 7/2007 Azzola D13/160
D616,832 S * 6/2010 Corteel D13/161
7,869,170 B2 * 1/2011 Colsch H02H 3/006
361/42
D761,737 S * 7/2016 Huhne D13/158

FIG. 1 is a perspective view of a molded case circuit breaker showing the new design:

FIG. 2 is a front elevation view thereof;
FIG. 3 is a rear elevation view thereof;
FIG. 4 is a left-side elevation view thereof;
FIG. 5 is a right-side elevation view thereof;
FIG. 6 is a bottom plan view thereof; and,
FIG. 7 is a top plan view thereof.

The broken line portion of the figure drawings is included to show portions of the article that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2015/0262778 A1* 9/2015 Sohn H01H 71/123
361/102
2015/0349513 A1* 12/2015 Kim H02H 3/165
361/93.1
2017/0243710 A1* 8/2017 Oh H01H 71/7463
2018/0061602 A1* 3/2018 Oh H01H 71/02
2018/0166241 A1* 6/2018 Gottschalk H01H 1/5822

* cited by examiner

FIG. 1

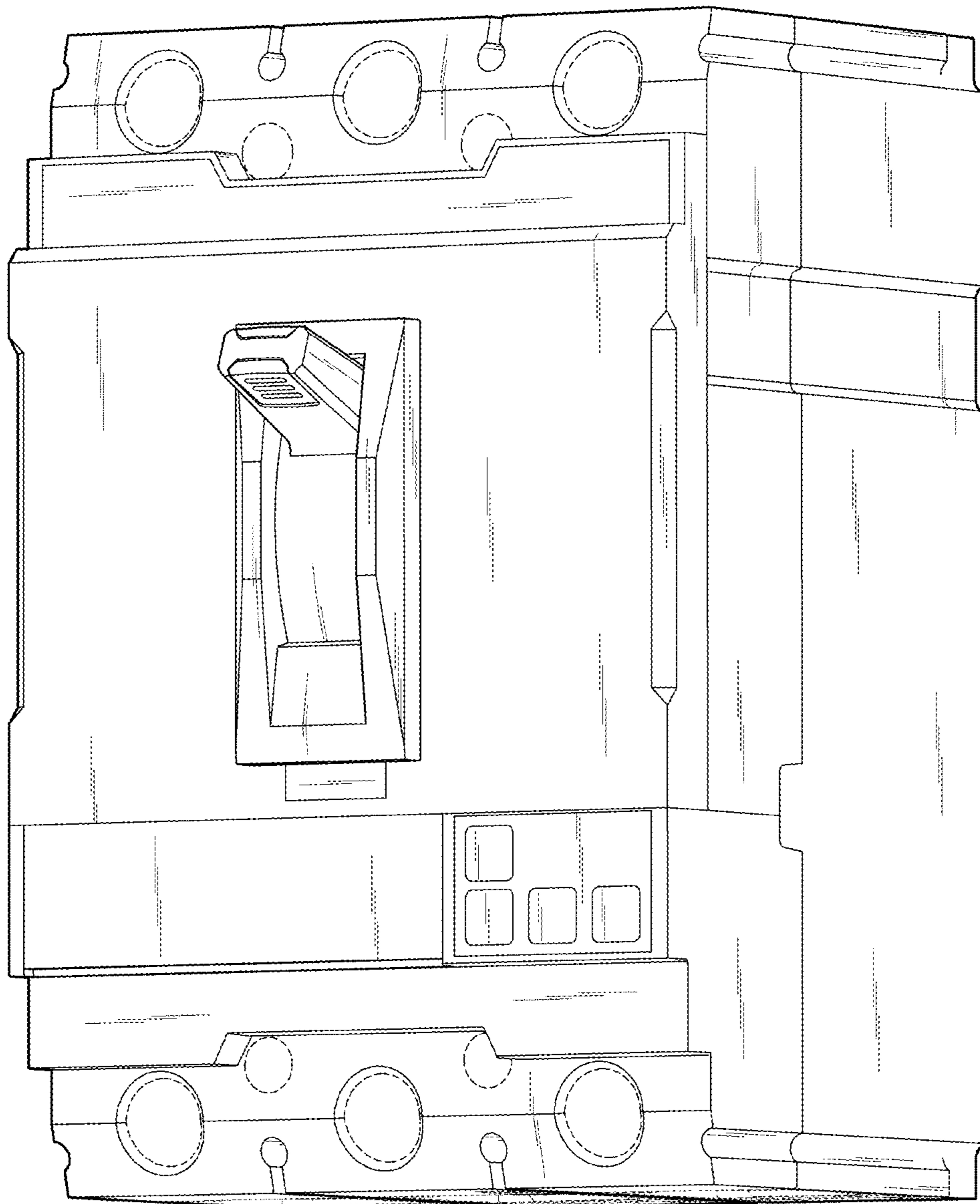


FIG. 2

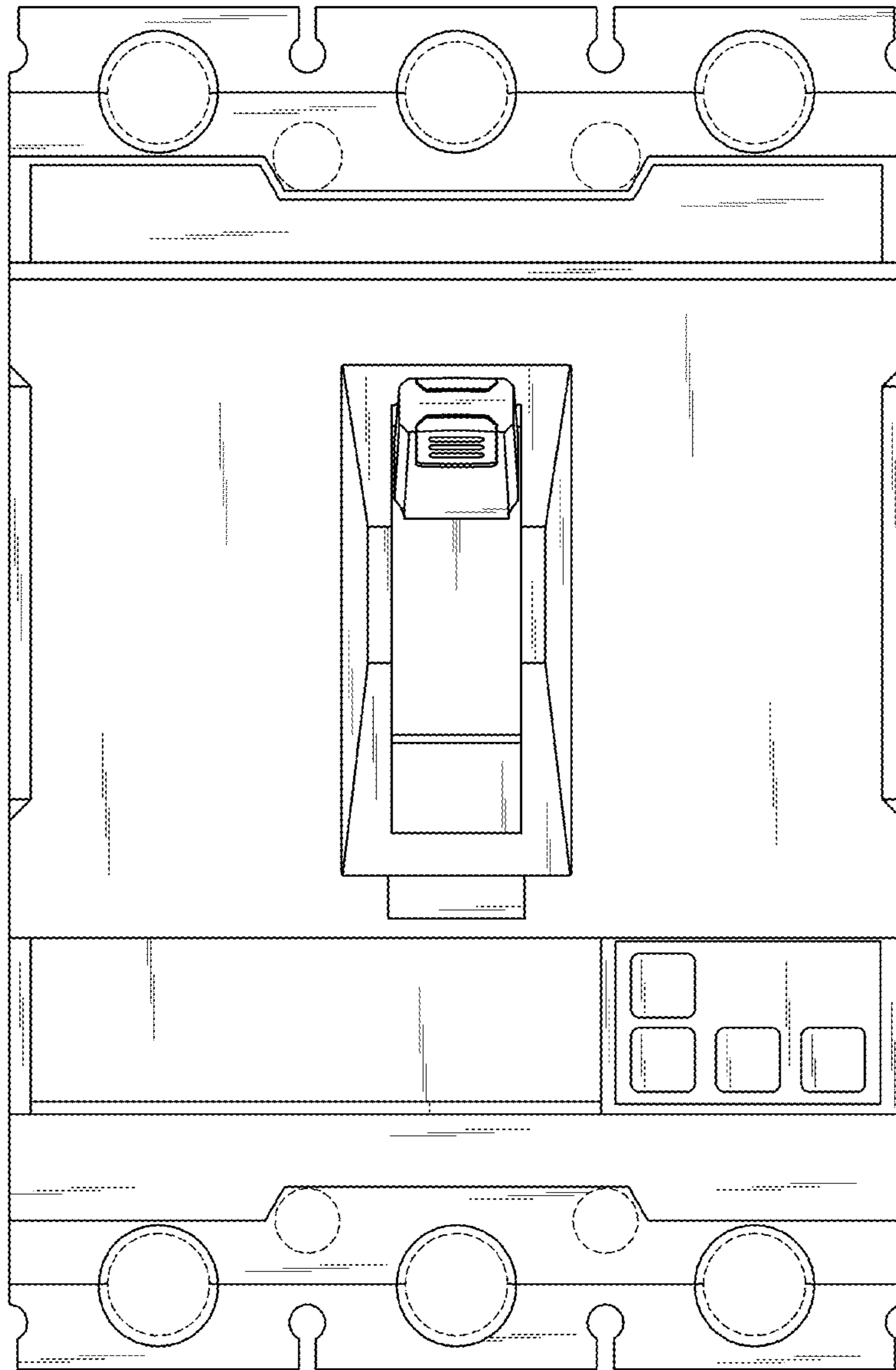


FIG. 3

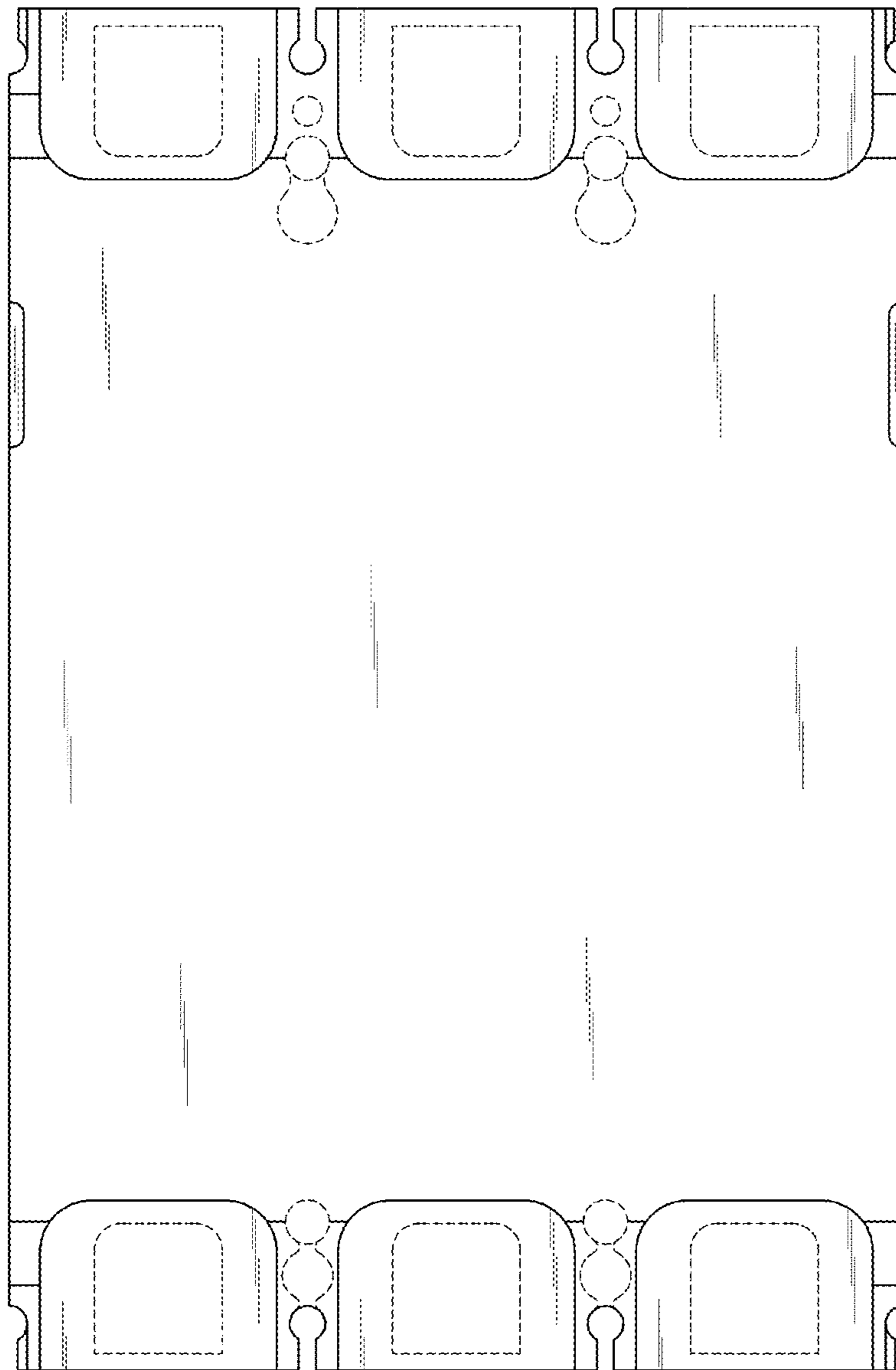


FIG. 4

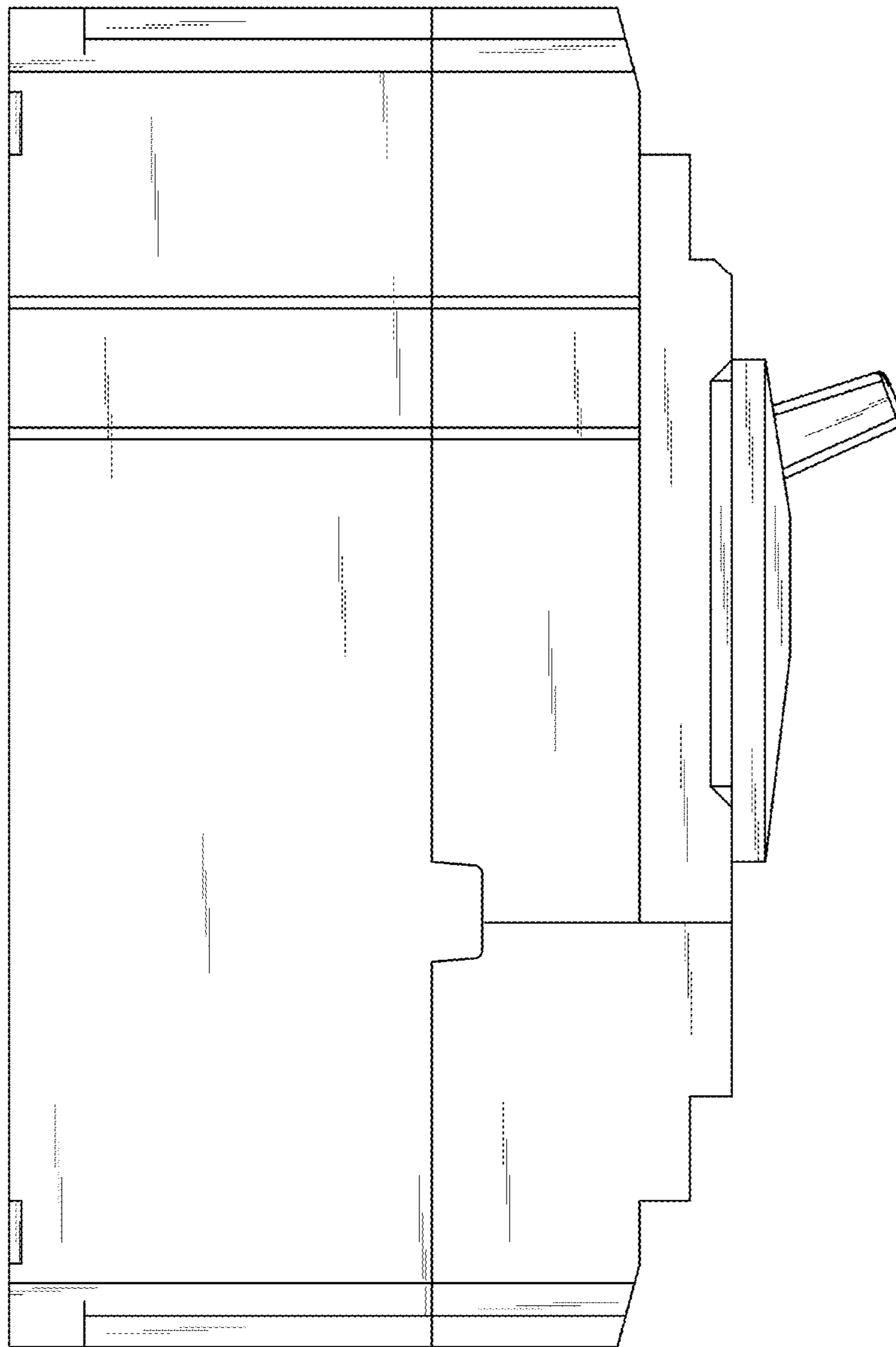


FIG. 5

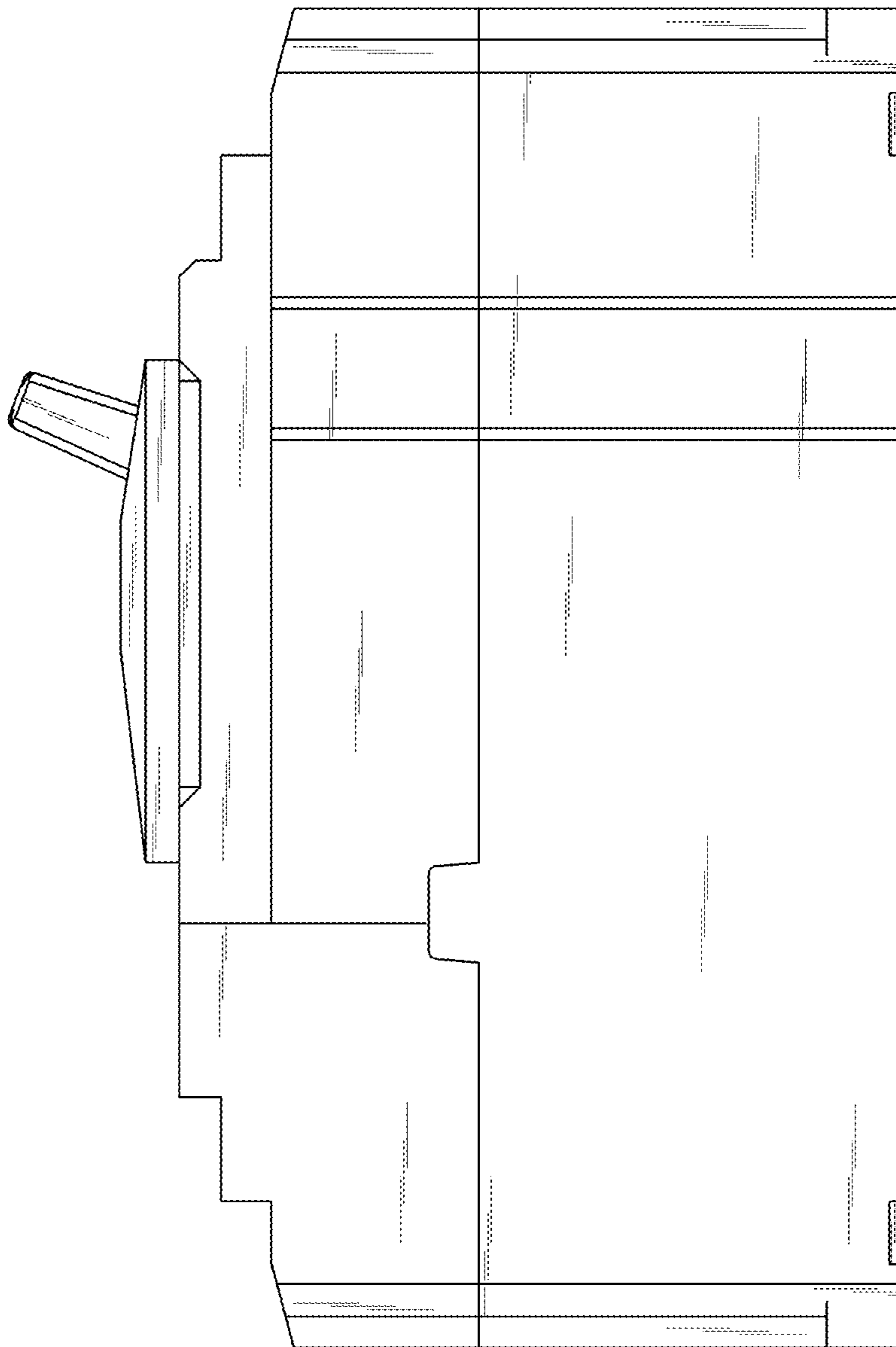


FIG. 6

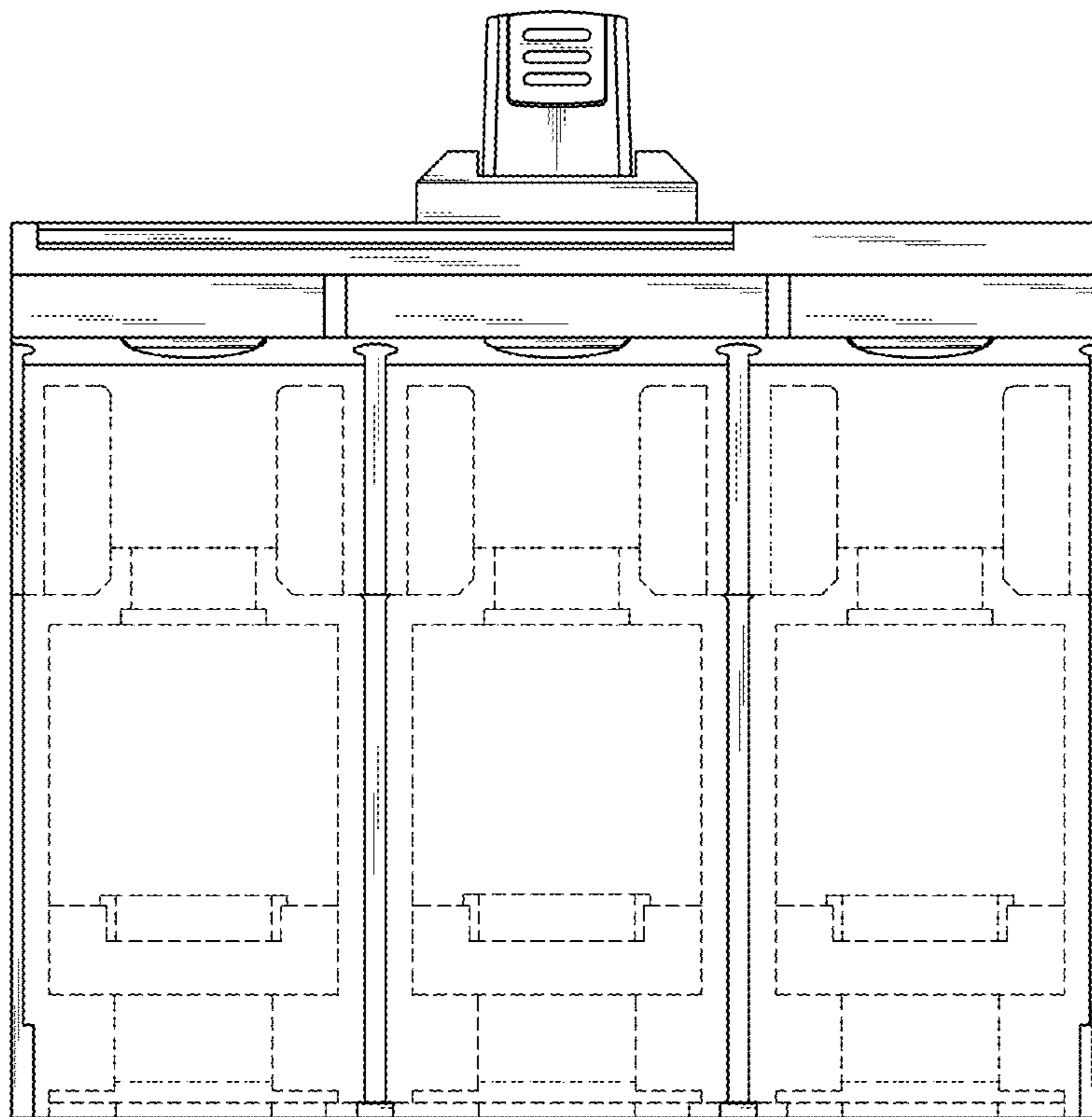


FIG. 7

