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(12) **United States Design Patent** (10) **Patent No.:** **US D897,965 S**  
**Personeni et al.** (45) **Date of Patent:** **\*\* Oct. 6, 2020**

(54) **CIRCUIT BREAKER**

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

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**Related U.S. Application Data**

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(30) **Foreign Application Priority Data**

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(51) **LOC (12) Cl.** ..... **13-03**

(52) **U.S. Cl.**  
USPC ..... **D13/160**

(58) **Field of Classification Search**

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D13/158-162.1, 169-171, 173, 175, 178,  
D13/184, 199

CPC .. H01H 9/00; H01H 9/02; H01H 9/20; H01H  
9/26; H01H 33/06; H01H 33/66; H01H  
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H01H 71/10; H02B 11/133; H05K 7/14

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,890,184 A 12/1989 Russell  
5,150,091 A 9/1992 Hart et al.

D535,626 S 1/2007 Azzola et al.  
D547,729 S 7/2007 Azzola et al.  
D547,730 S 7/2007 Azzola et al.  
D641,710 S 7/2011 Azzola et al.  
D687,387 S 8/2013 Besana et al.  
D707,636 S 6/2014 Besana et al.  
9,805,889 B2 10/2017 He  
D804,430 S 12/2017 Besana et al.  
D853,337 S 7/2019 Besana et al.

(Continued)

**FOREIGN PATENT DOCUMENTS**

WO WO-2010079105 A1 \* 7/2010 ..... H01H 71/525

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(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a front side perspective view of an embodiment of a circuit breaker.

FIG. 2 is a front side view of the circuit breaker shown in FIG. 1.

FIG. 3 is a back side view of the circuit breaker shown in FIG. 1.

FIG. 4 is a left side view of the circuit breaker shown in FIG. 1.

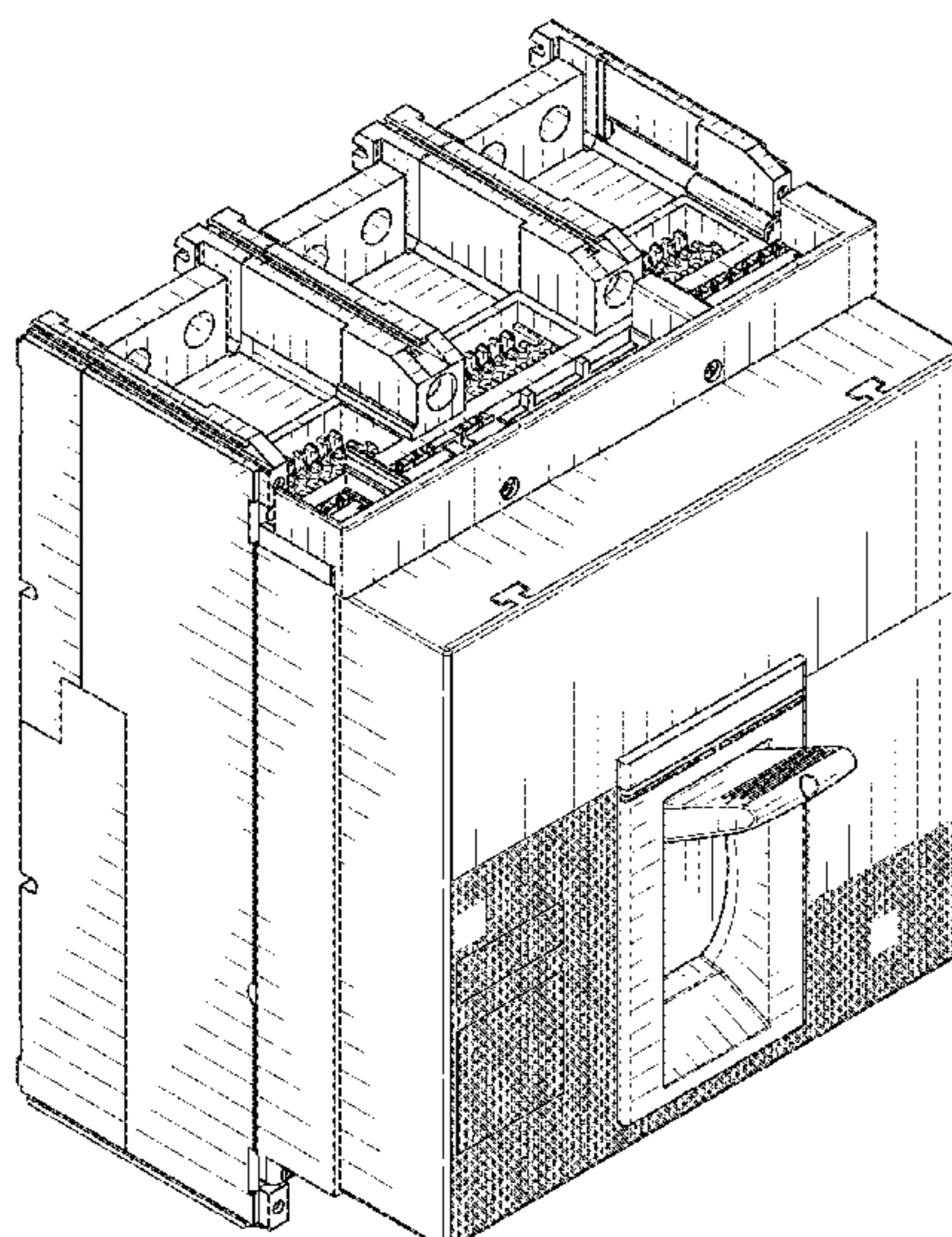
FIG. 5 is a right side view of the circuit breaker shown in FIG. 1.

FIG. 6 is a top side view of the circuit breaker shown in FIG. 1; and,

FIG. 7 is a bottom side view of the circuit breaker shown in FIG. 1.

The broken lines in the drawings illustrate portions of the circuit breaker that form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



(56)

**References Cited**

## U.S. PATENT DOCUMENTS

D858,458 S \* 9/2019 Tomczak ..... D13/158  
D858,460 S \* 9/2019 Azzola ..... D13/160  
D862,396 S \* 10/2019 Tomczak ..... D13/160  
10,483,065 B2 \* 11/2019 Oh ..... H01H 9/40  
10,511,159 B2 \* 12/2019 Locatelli ..... G06F 3/0482  
D883,939 S \* 5/2020 Besana ..... D13/160  
D884,656 S \* 5/2020 Personeni ..... D13/160  
D884,657 S \* 5/2020 Personeni ..... D13/160  
D884,658 S \* 5/2020 Personeni ..... D13/160  
2006/0071750 A1 4/2006 Marks et al.  
2009/0190289 A1 7/2009 Bellotto et al.  
2009/0239399 A1 9/2009 Azzola et al.  
2011/0186408 A1 8/2011 Manzoli et al.  
2013/0334174 A1 12/2013 Wehr  
2014/0151201 A1 6/2014 Sisley et al.  
2015/0109091 A1 4/2015 Oh  
2016/0268704 A1 9/2016 Jurek et al.  
2017/0200574 A1 6/2017 Bresciani et al.  
2017/0229261 A1 8/2017 Rota Martir et al.  
2018/0190462 A1 7/2018 Oh  
2018/0233314 A1 8/2018 Oh  
2019/0131099 A1 5/2019 Fleitmann et al.  
2020/0161070 A1 \* 5/2020 Seo ..... H02B 1/20  
2020/0185177 A1 \* 6/2020 Kim ..... H01H 71/0207

\* cited by examiner

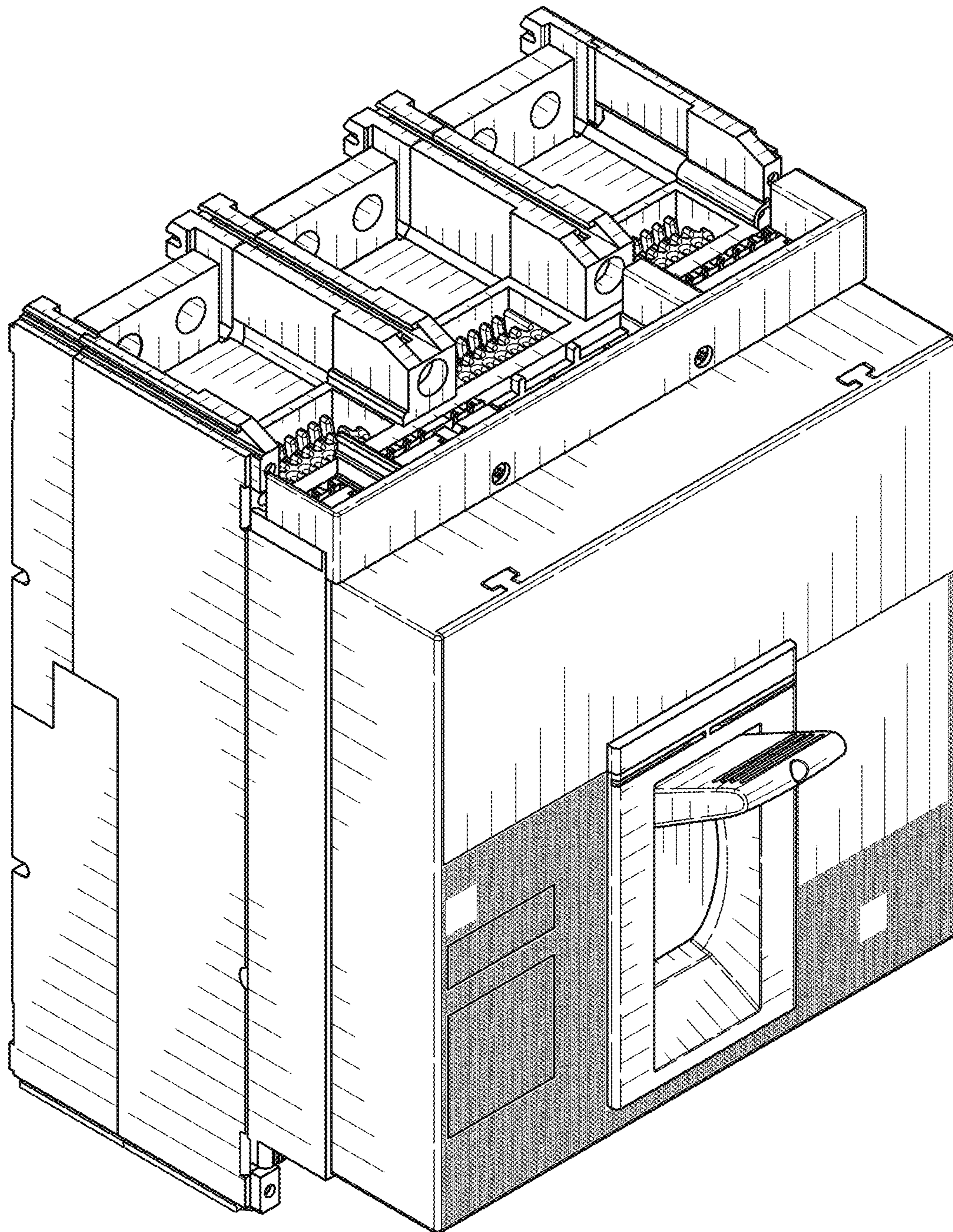


FIG. 1

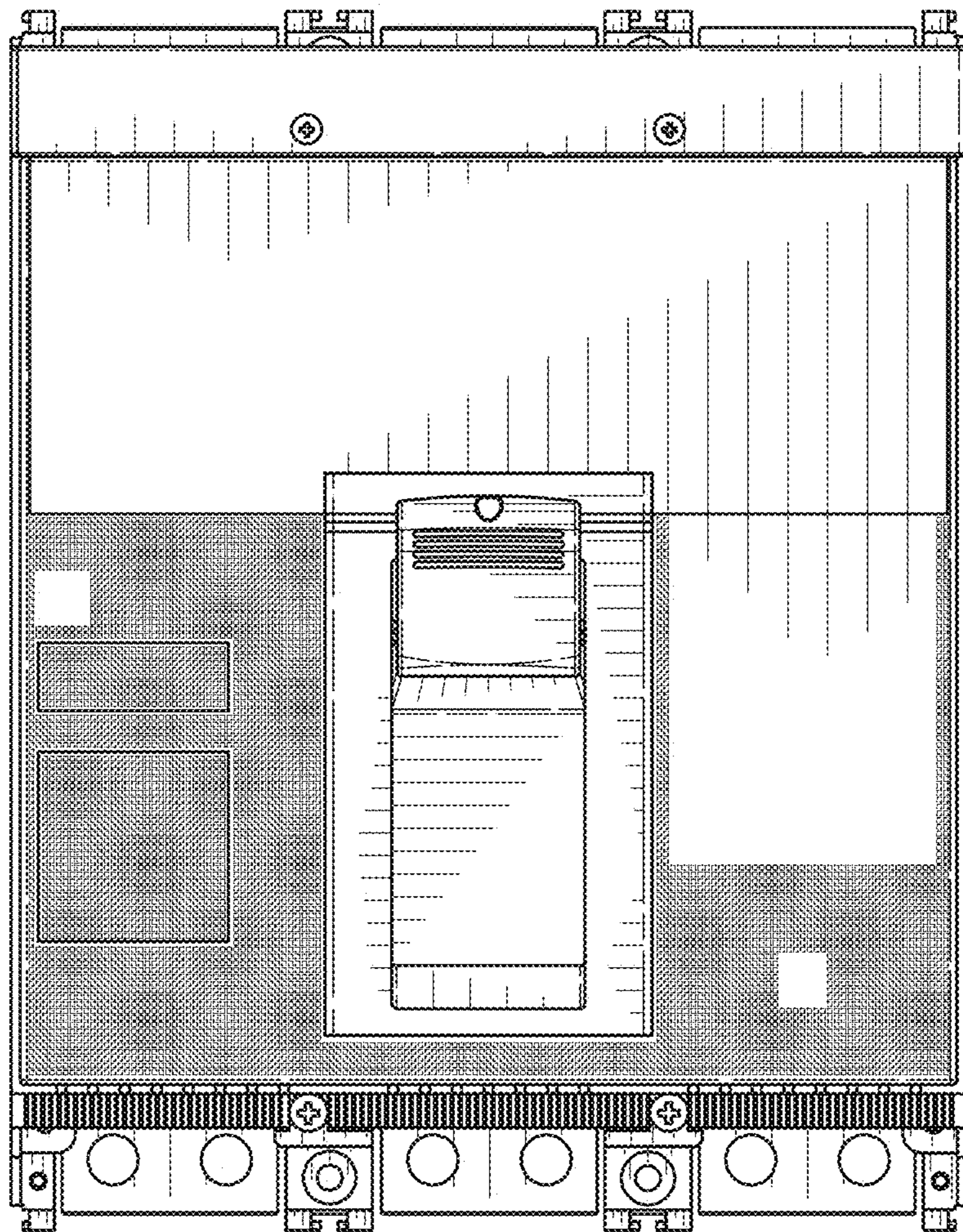


FIG. 2

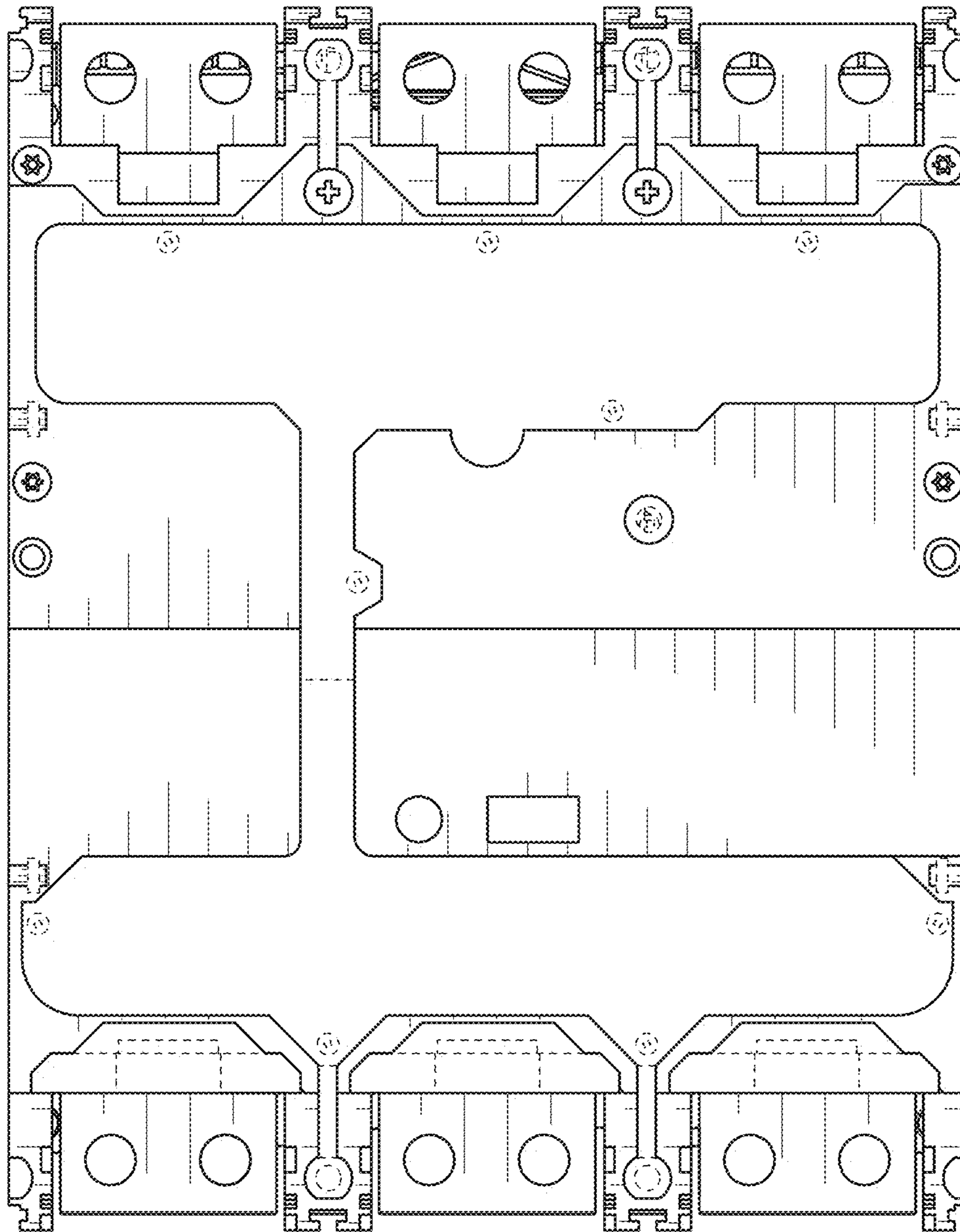


FIG. 3

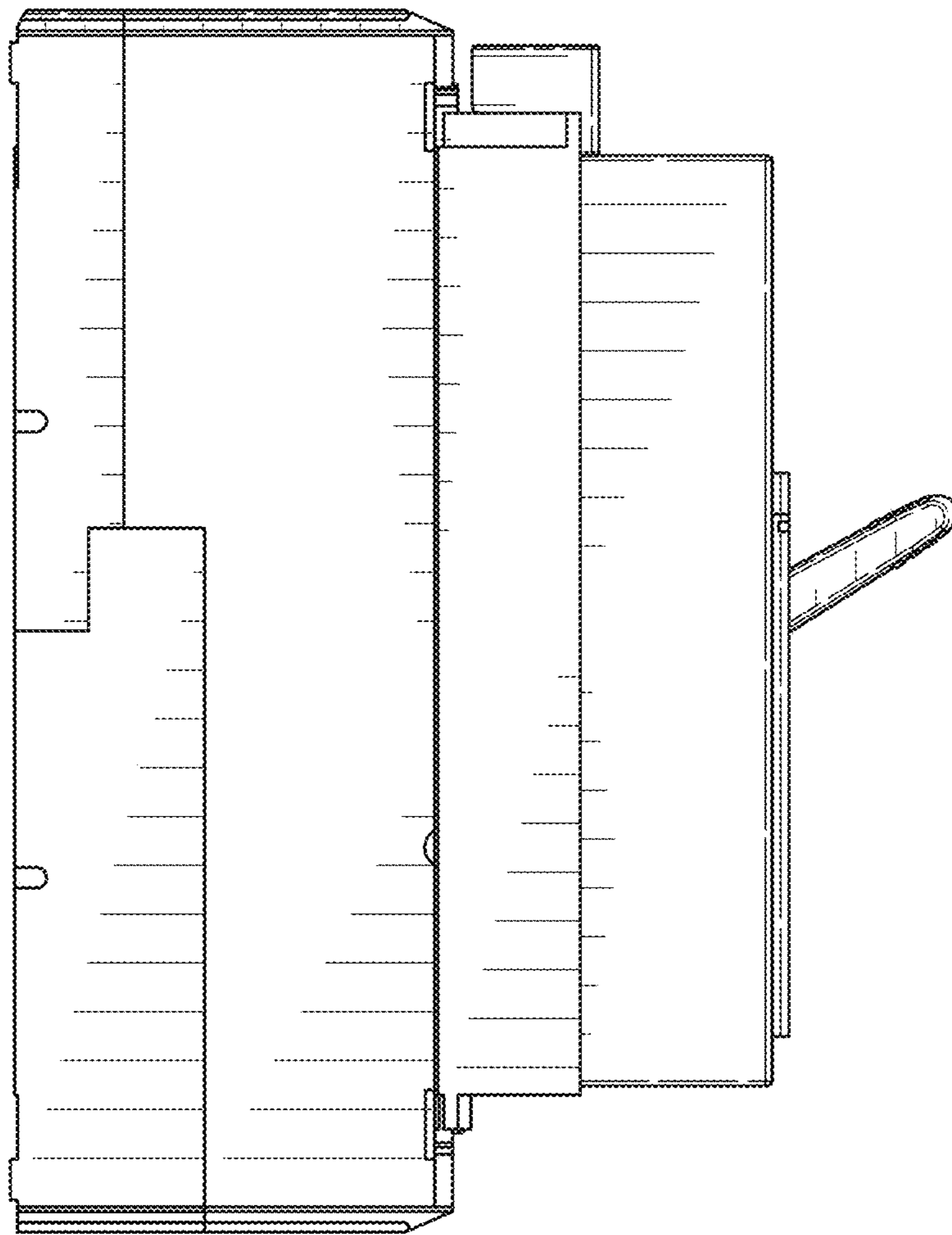


FIG. 4

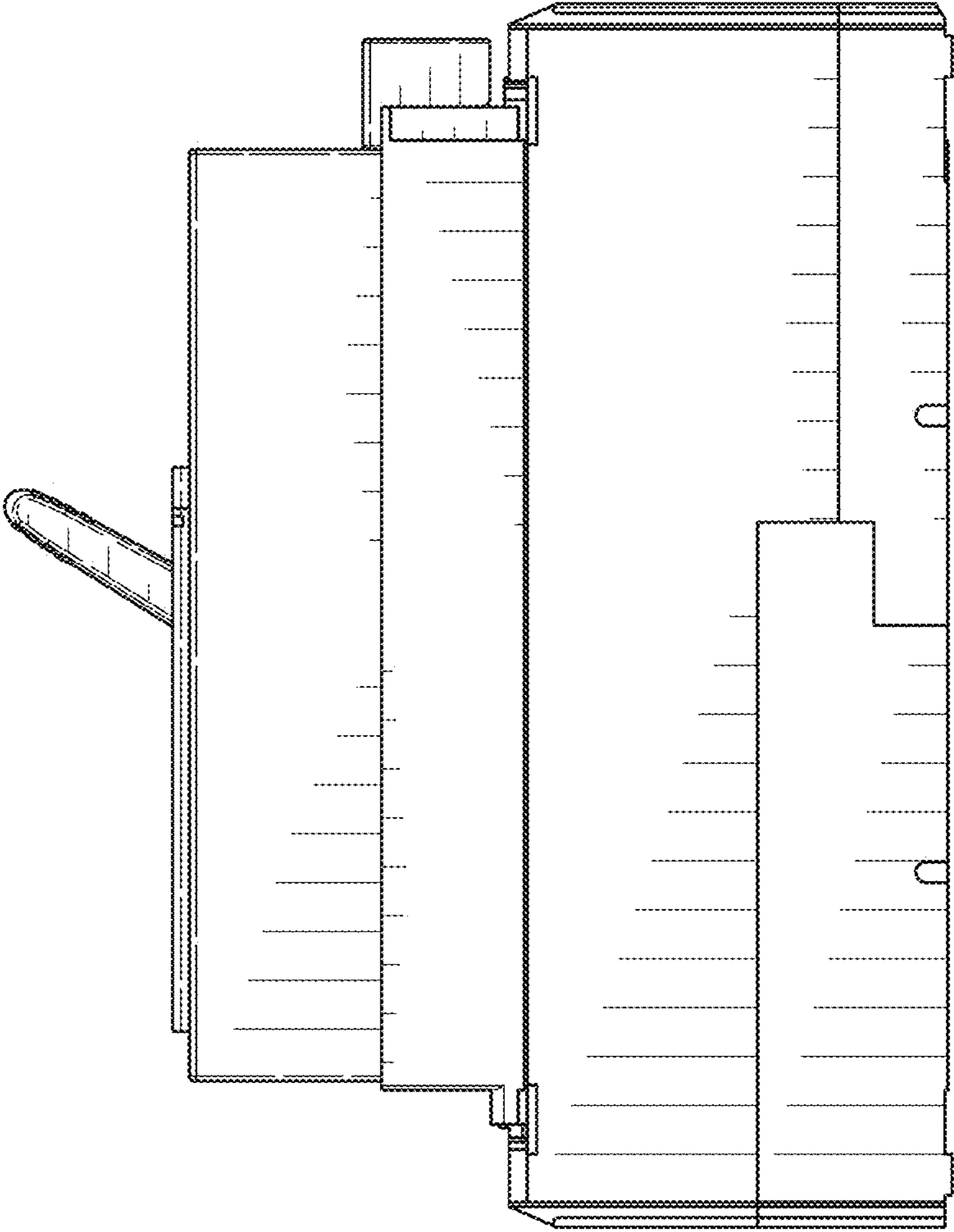


FIG. 5

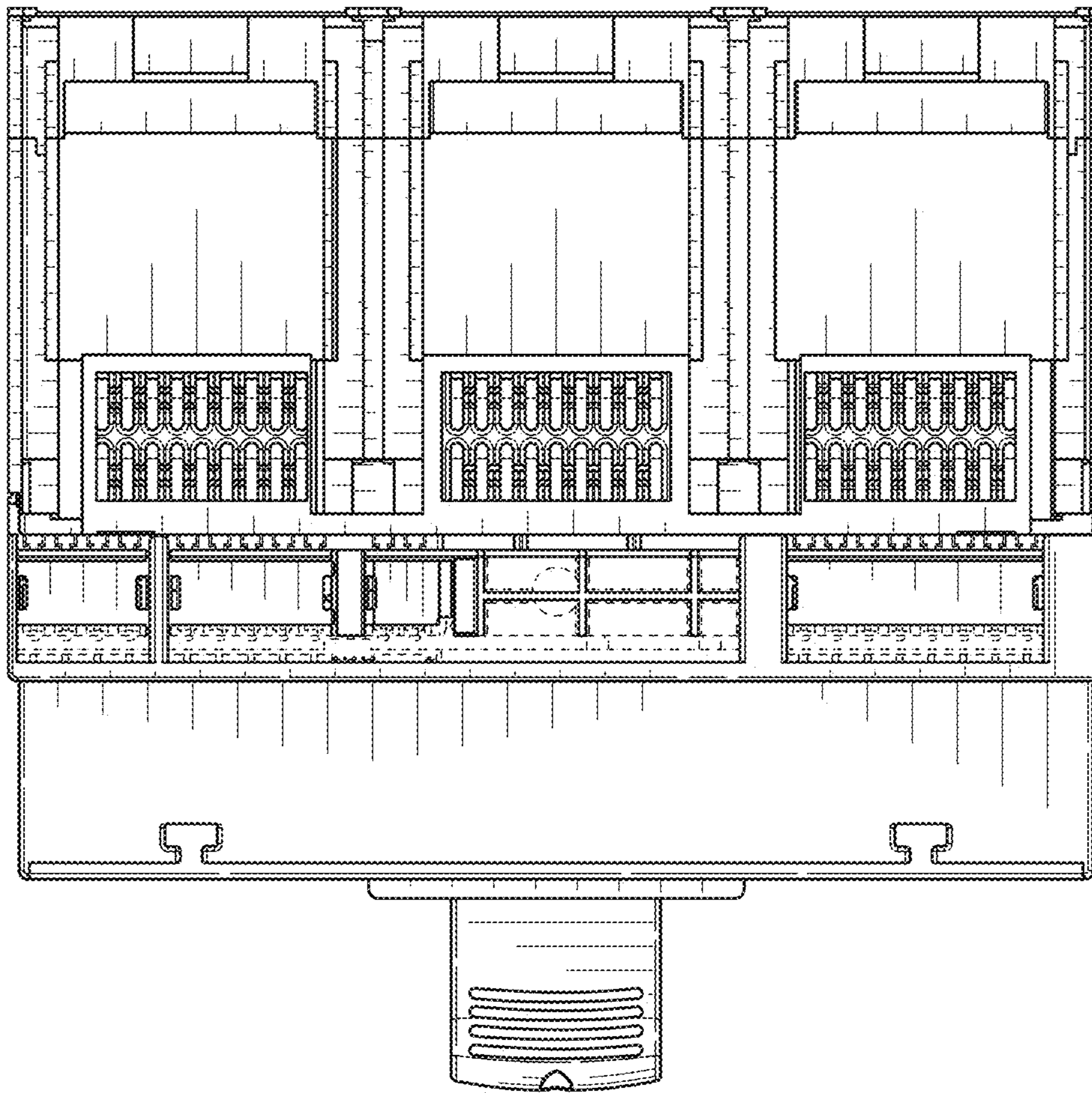


FIG. 6



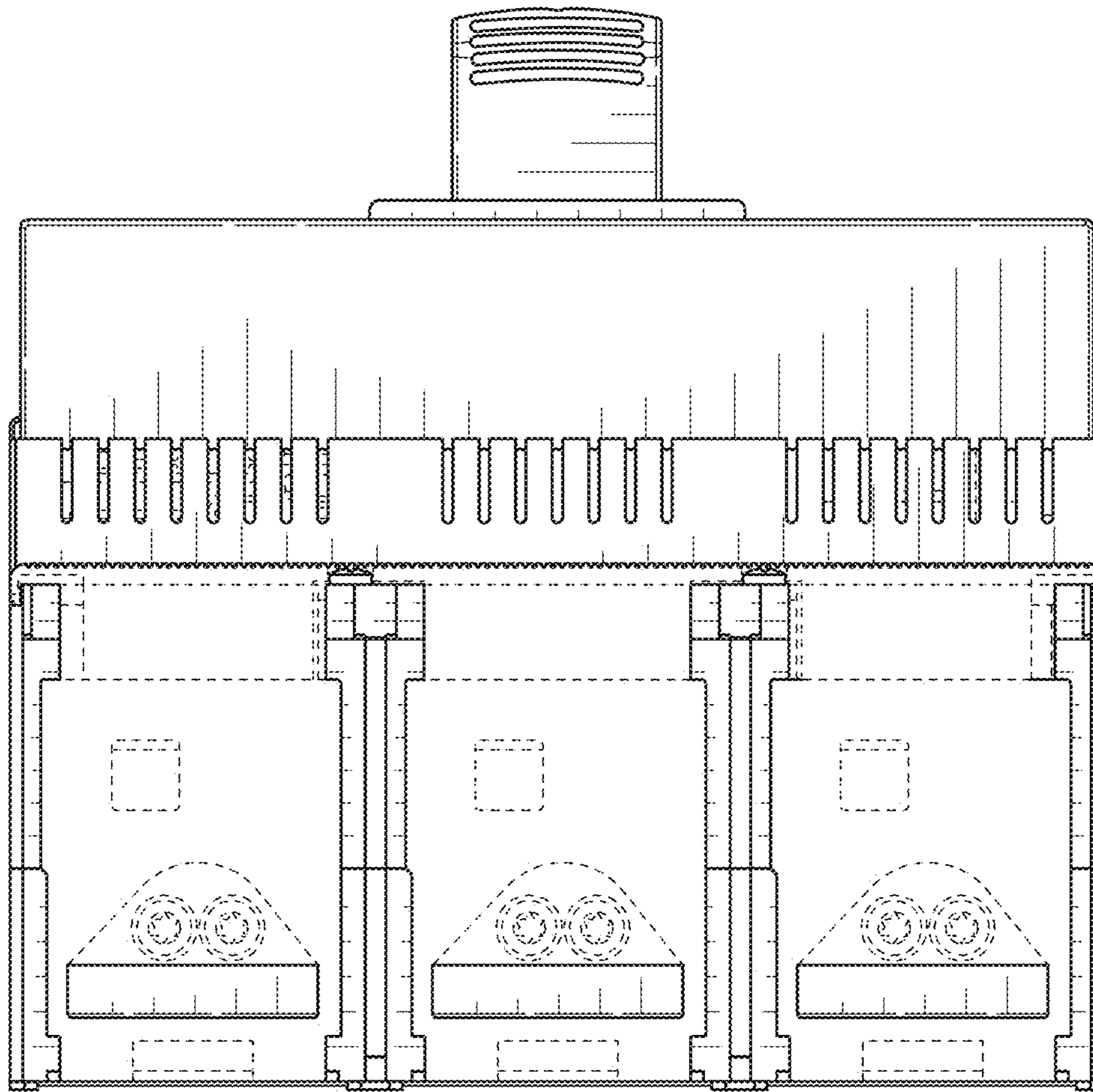


FIG. 7