

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

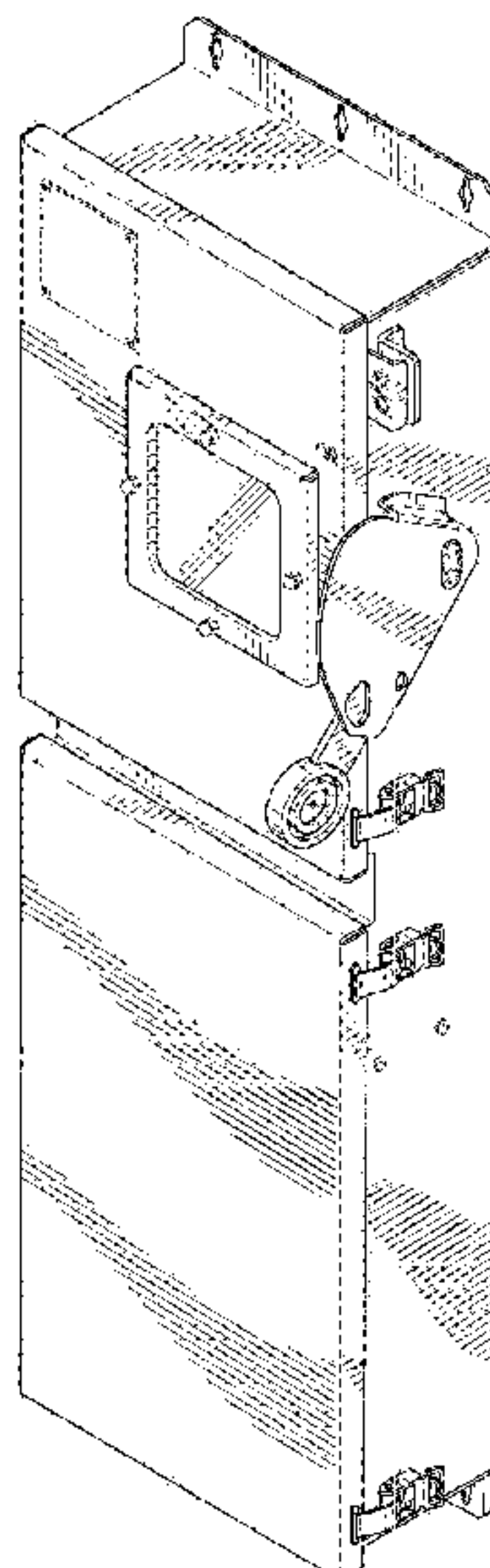
(10) **Patent No.:** **US D1,067,885 S**

(45) **Date of Patent:** ** Mar. 25, 2025

- | | | | |
|-----------|---|--------|-----------|
| 1,534,516 | A | 4/1925 | Getchell |
| 1,852,036 | A | 4/1932 | Wadsworth |
| 3,308,256 | A | 3/1967 | Carlyle |

(Continued)

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

6,940,027 B1

9/2005

Sipe

D551,172 S

9/2007

Hoshino

7,348,510 B1

3/2008

Foley et al.

7,450,369 B2

11/2008

Wilkie et al.

7,531,761 B2

5/2009

Carson et al.

D599,302 S

9/2009

Magoni

7,724,507 B2

5/2010

Whitt et al.

8,254,089 B2

8/2012

Cosley et al.

8,642,885 B2

2/2014

Davila et al.

D702,198 S

4/2014

Gretz

9,214,791 B1

12/2015

Peplinski et al.

9,218,920 B2

12/2015

Cloran et al.

9,236,717 B2

1/2016

Bravo et al.

9,922,785 B2

3/2018

Jur et al.

D853,970 S

7/2019

Sipe et al.

10,439,371 B1 *

10/2019

Abroy H02B 1/38

D871,347 S

12/2019

Fioriello

10,498,114 B1

12/2019

Campos et al.

D903,318 S

12/2020

Schroder et al.

D913,247 S

3/2021

Sipe et al.

D925,483 S

7/2021

Elaschuk et al.

D942,401 S *

2/2022

Sipe D13/152

D942,957 S *

2/2022

Larsen D13/162

D1,013,645 S *

2/2024

Jung D13/160

2007/0049114 A1 *

3/2007

Wilkie, II H02B 1/42

439/595

2010/0258559 A1

10/2010

Robinson et al.

2012/0162861 A1

6/2012

Manahan

2013/0087359 A1

4/2013

Leslie et al.

2013/0214885 A1

8/2013

Prohaska et al.

2016/0135313 A1

5/2016

Freeman

2016/0190774 A1

6/2016

Peplinski et al.

2017/0214226 A1

7/2017

Sipe et al.

2018/0138668 A1

5/2018

Groner et al.

2019/0334324 A1

10/2019

Rogers et al.

2020/0052469 A1

2/2020

Janish et al.

2020/0258701 A1

8/2020

Vaishnavi et al.

2021/0066015 A1

3/2021

Jameson et al.

2021/0212219 A1 *

7/2021

Kelly H05K 5/069

2022/0028635 A1 *

1/2022

Sadowski H02G 5/08

2022/0238291 A1 *

7/2022

Jung H01H 9/22

2022/0389954 A1 *

12/2022

Watai B61D 17/00

2022/0392719 A1 *

12/2022

Vaishnavi H02B 1/30

2023/0046856 A1 *

2/2023

Weber E05B 65/52

2023/0096171 A1 *

3/2023

Campos H02B 13/025

312/326

* cited by examiner

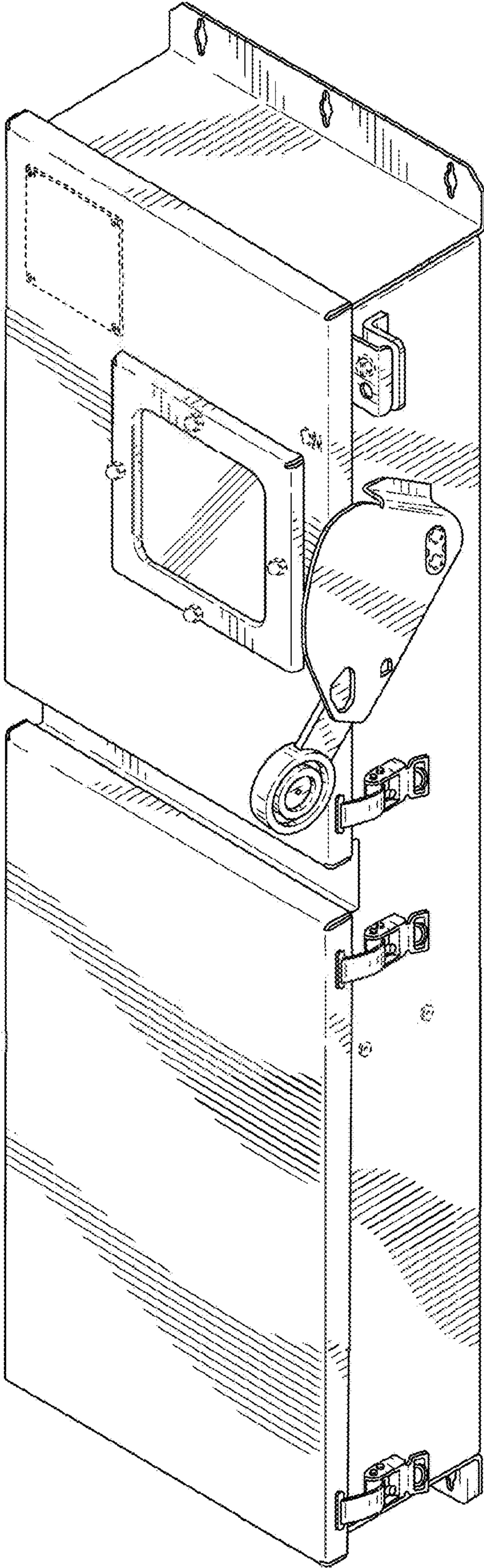


FIG. 1

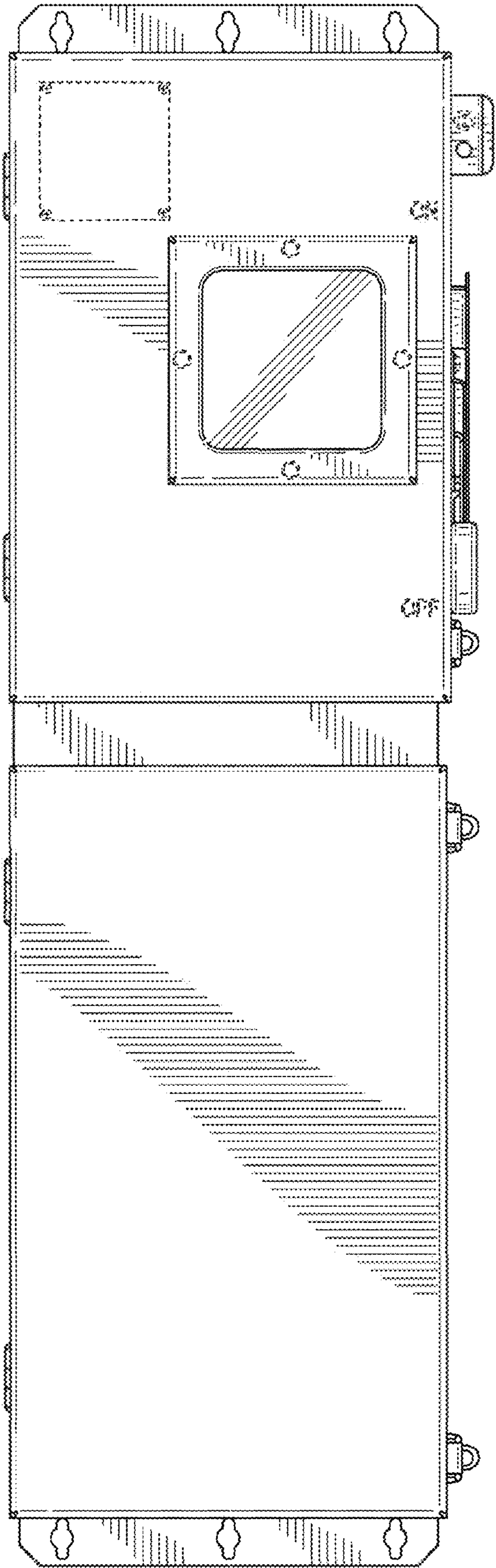


FIG. 2

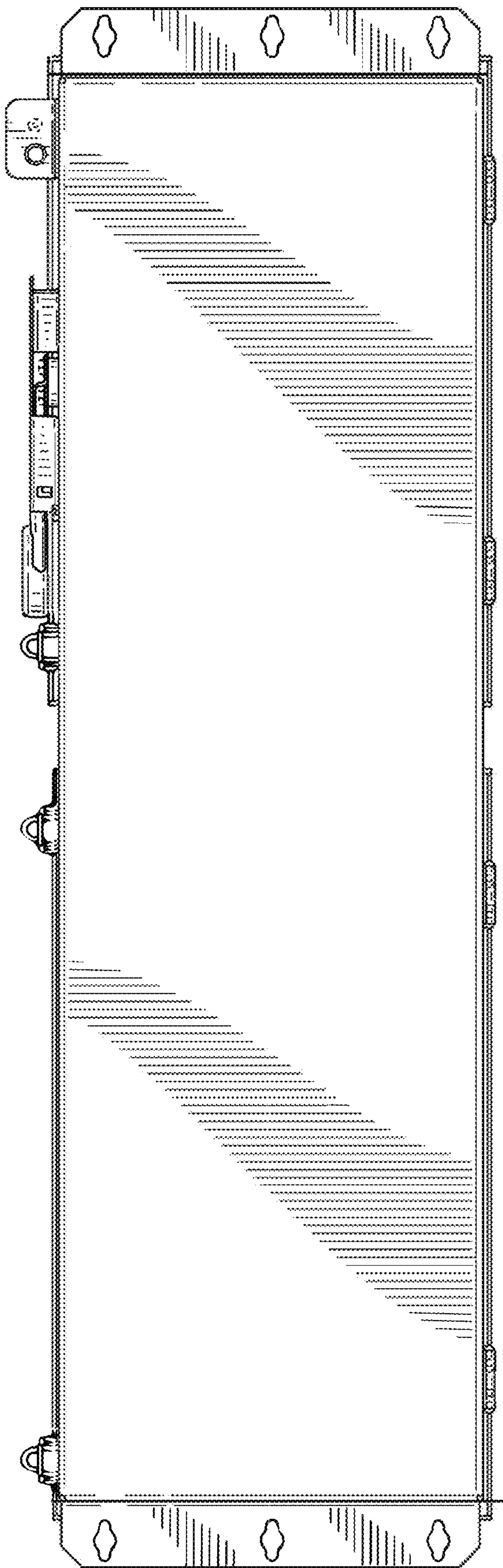


FIG. 3

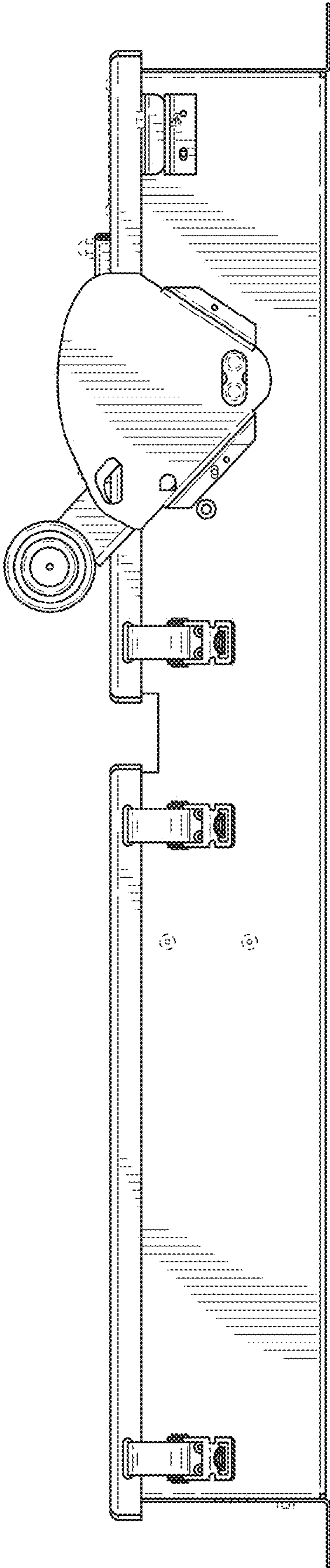


FIG. 4

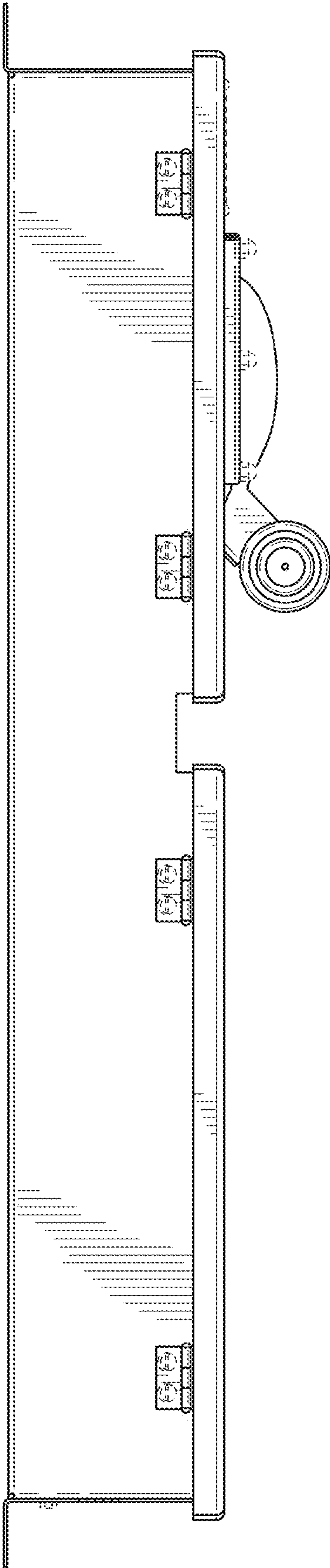


FIG. 5

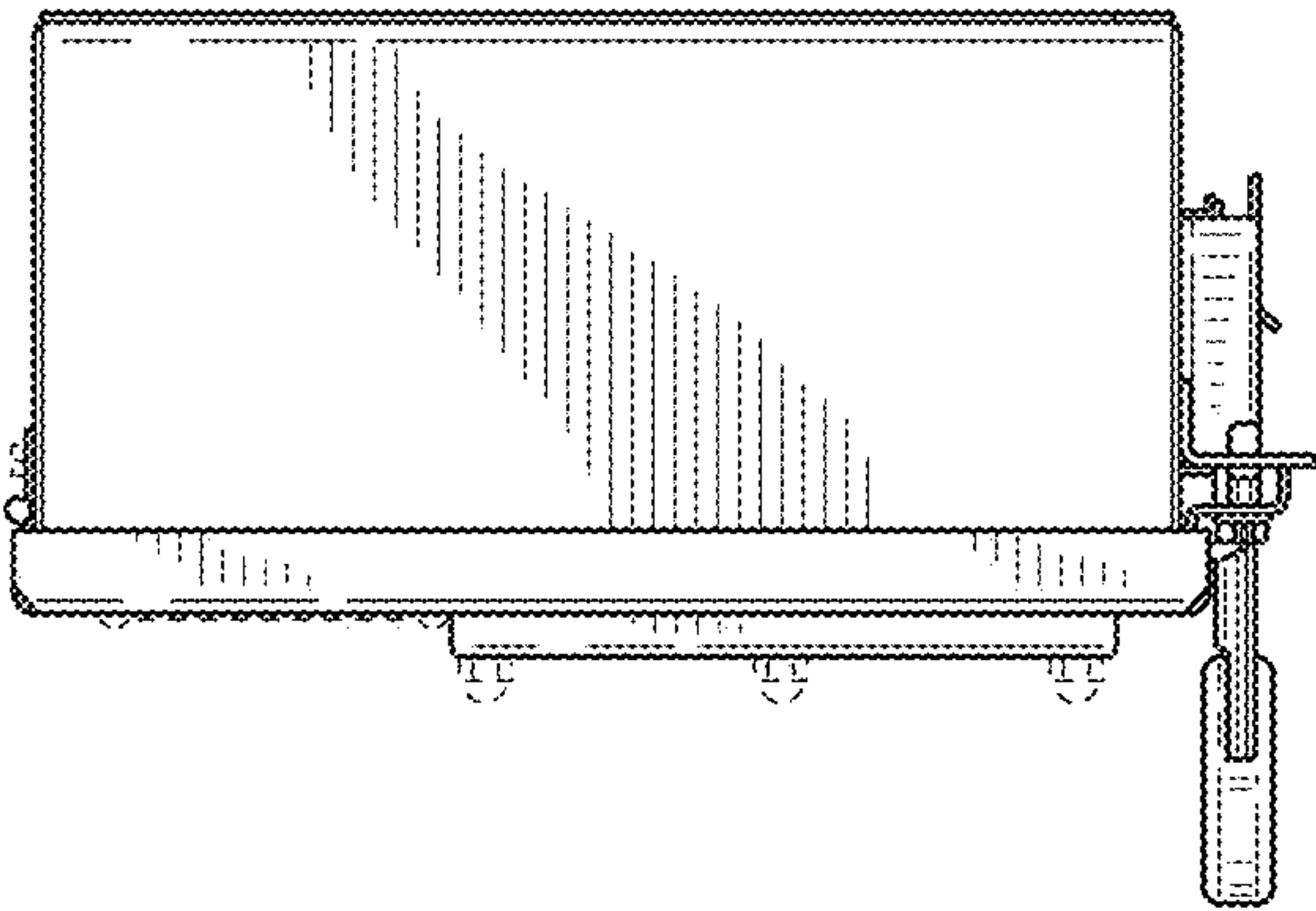


FIG. 6

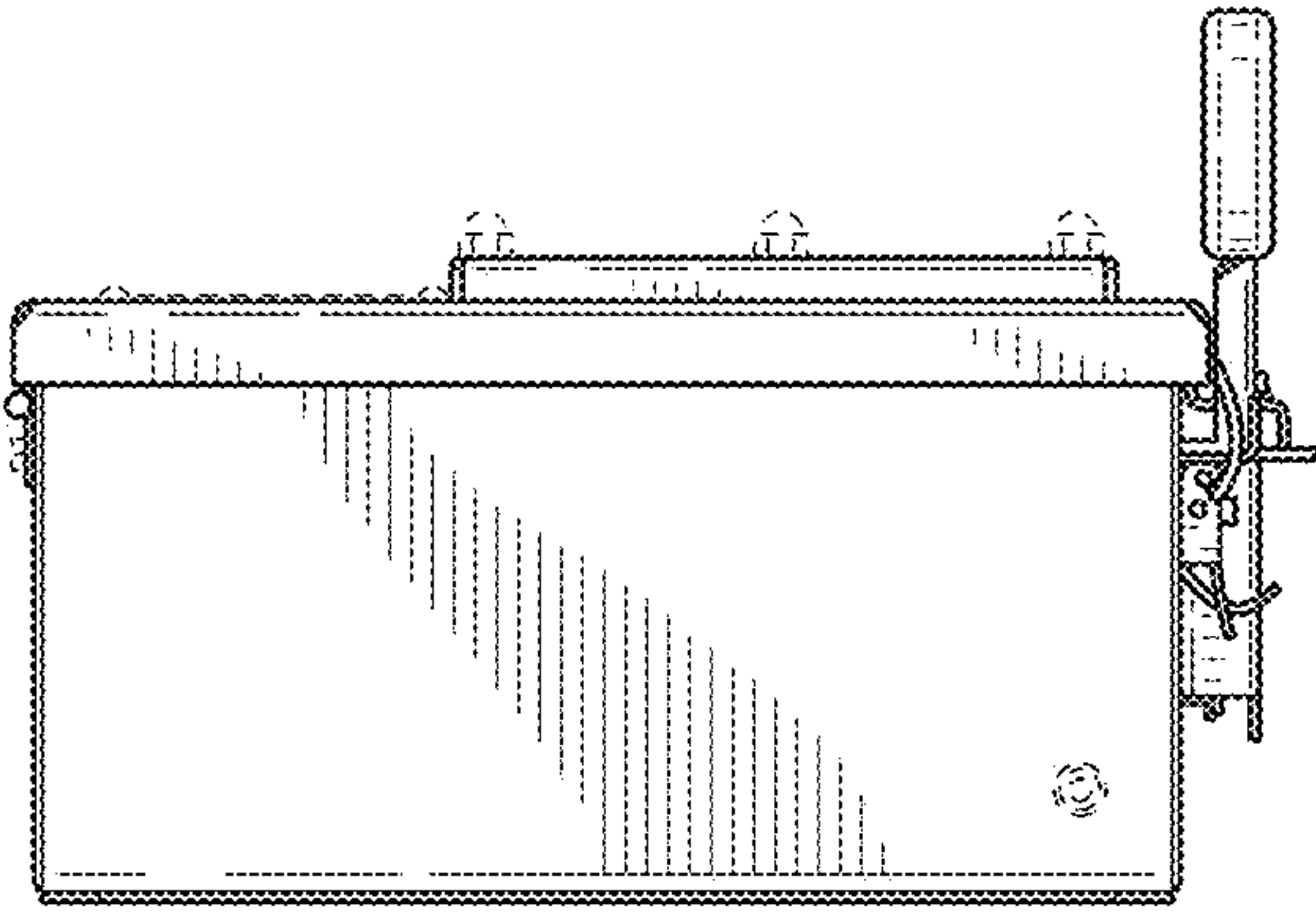


FIG. 7