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(12) **United States Design Patent**  
**Wu**

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- (54) **ELECTRONIC SWITCH**
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(\*\*) Term: **15 Years**

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(52) **U.S. Cl.**  
USPC ..... **D13/158**; D13/159

(58) **Field of Classification Search**  
USPC ..... D13/114, 137.3, 139.6, 139.8, 152, 158, D13/159, 173-176, 178, 199; D15/9, 140  
CPC ..... H01H 50/56; H01H 50/64; H01H 33/08; H01H 33/42; H01H 9/32; H01H 9/34; H01H 9/40; H01H 9/443; H01H 50/023; H01H 50/047; H01H 50/642; H01H 50/643

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- D44,323 S \* 7/1913 Ross ..... D13/159
- D670,254 S \* 11/2012 Wu ..... D13/159
- 9,754,747 B1 \* 9/2017 Yeh ..... H01H 50/047
- 2002/0036557 A1 \* 3/2002 Nakamura ..... H01H 9/40  
335/128
- 2004/0113729 A1 \* 6/2004 Sanada ..... H01H 50/642  
335/129
- 2004/0119566 A1 \* 6/2004 Sanada ..... H01H 50/56  
335/128

- 2013/0057370 A1 \* 3/2013 Kubono ..... H01H 50/643  
335/177
- 2014/0145805 A1 \* 5/2014 Uchiyama ..... H01H 50/643  
335/185
- 2015/0262777 A1 \* 9/2015 Tsurusu ..... H01H 9/443  
335/201
- 2015/0303015 A1 \* 10/2015 Li ..... H01H 50/642  
335/172
- 2017/0047182 A1 \* 2/2017 Kubono ..... H01H 50/36
- 2018/0182584 A1 \* 6/2018 Iwamoto ..... H01H 9/443
- 2018/0182585 A1 \* 6/2018 Hiraiwa ..... H01H 50/023

**OTHER PUBLICATIONS**

Song Chuan, Date: Aug. 7, 2020, [online], [site visited Nov. 17, 2021]. Available from internet, URL: <https://songchuanusa.com/all-relays/822-automotive-40a-pcb-relay/> (Year: 2020).\*

\* cited by examiner

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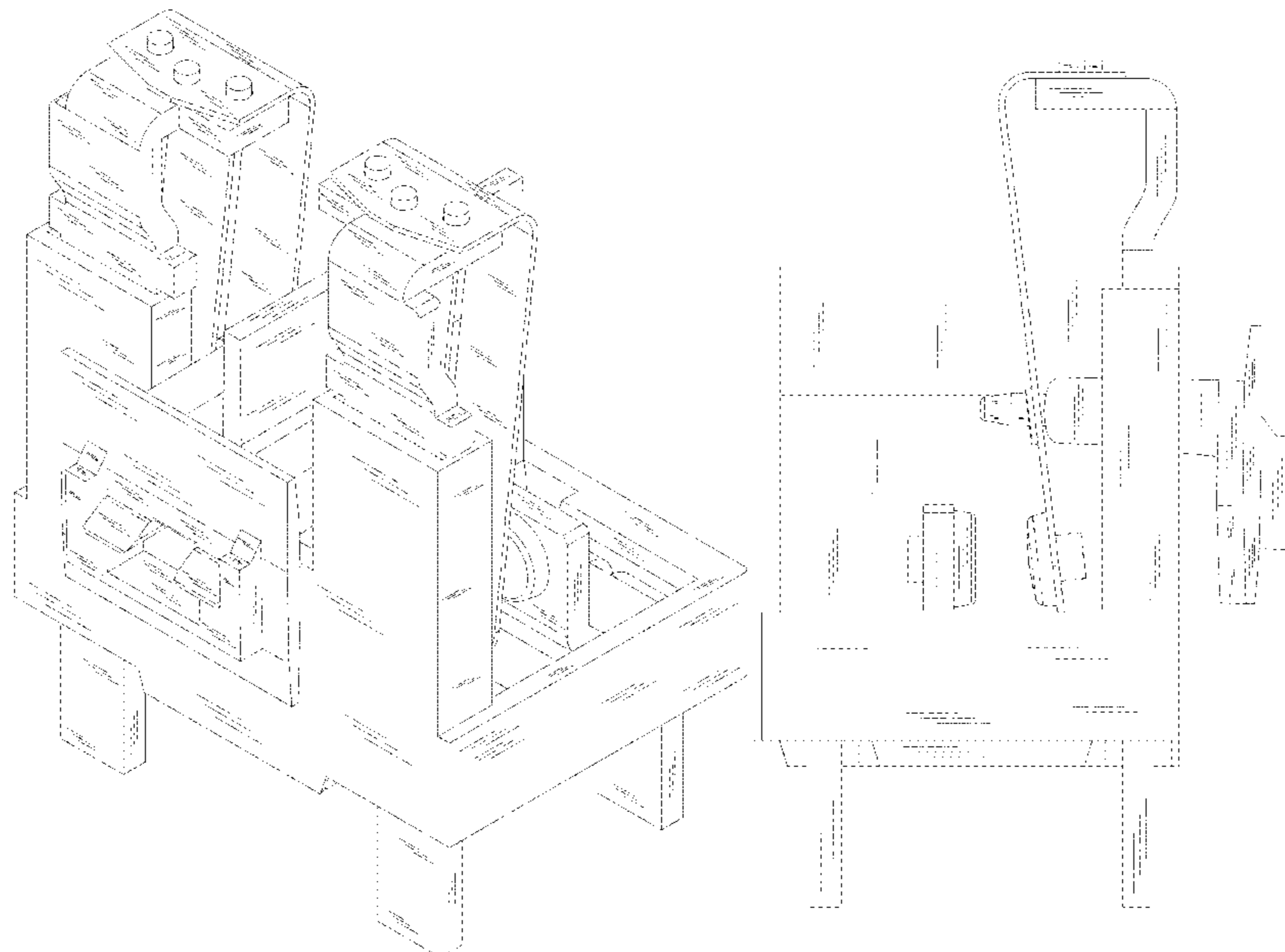
(57) **CLAIM**

The ornamental design for an electronic switch, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of an electronic switch 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 view thereof;  
FIG. 5 is a right side view thereof;  
FIG. 6 is a top plan view thereof; and,  
FIG. 7 is a bottom plan view thereof.  
The broken lines in the drawings illustrate portions of the electronic switch that form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



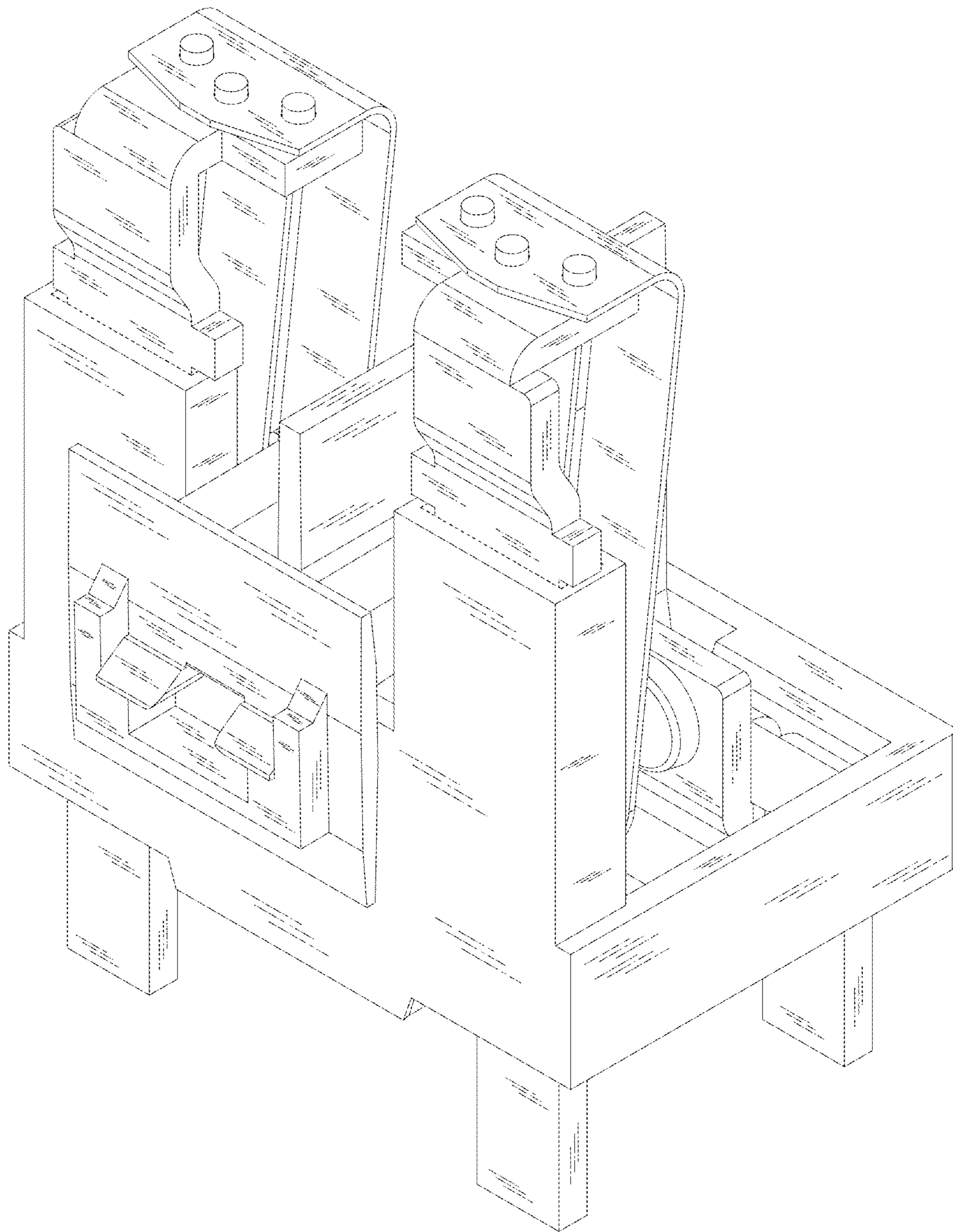


Fig. 1

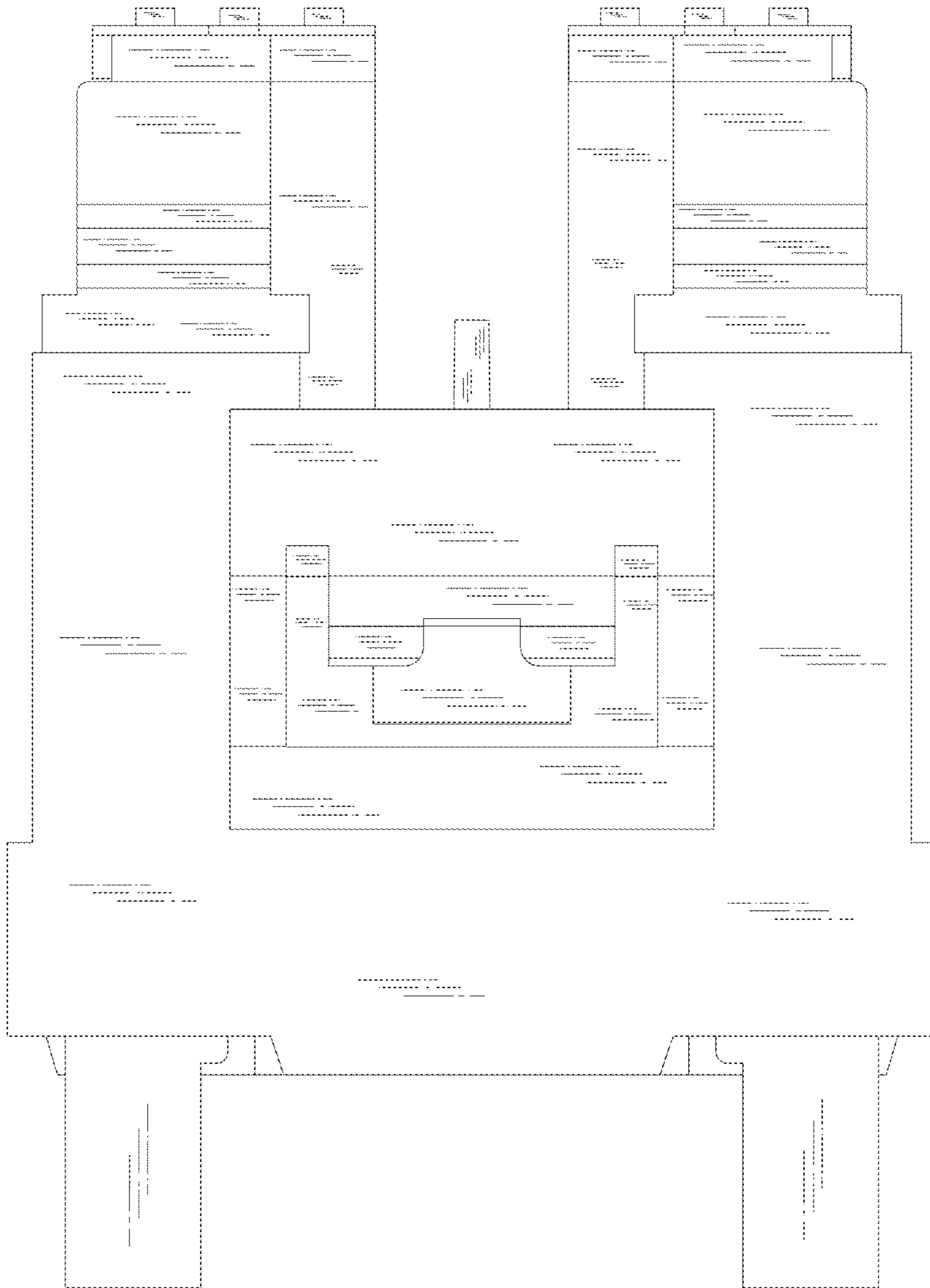


Fig. 2

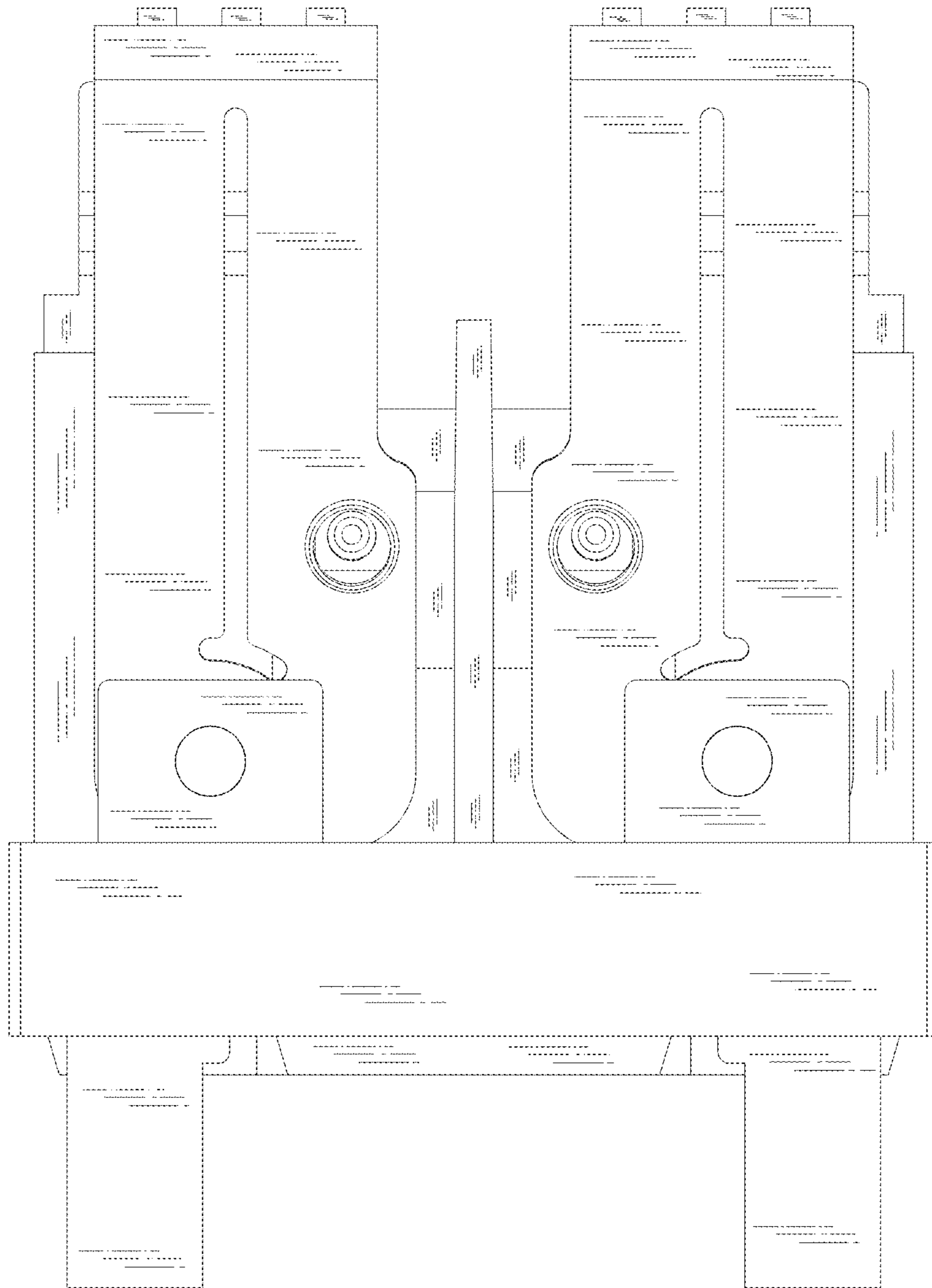


Fig. 3

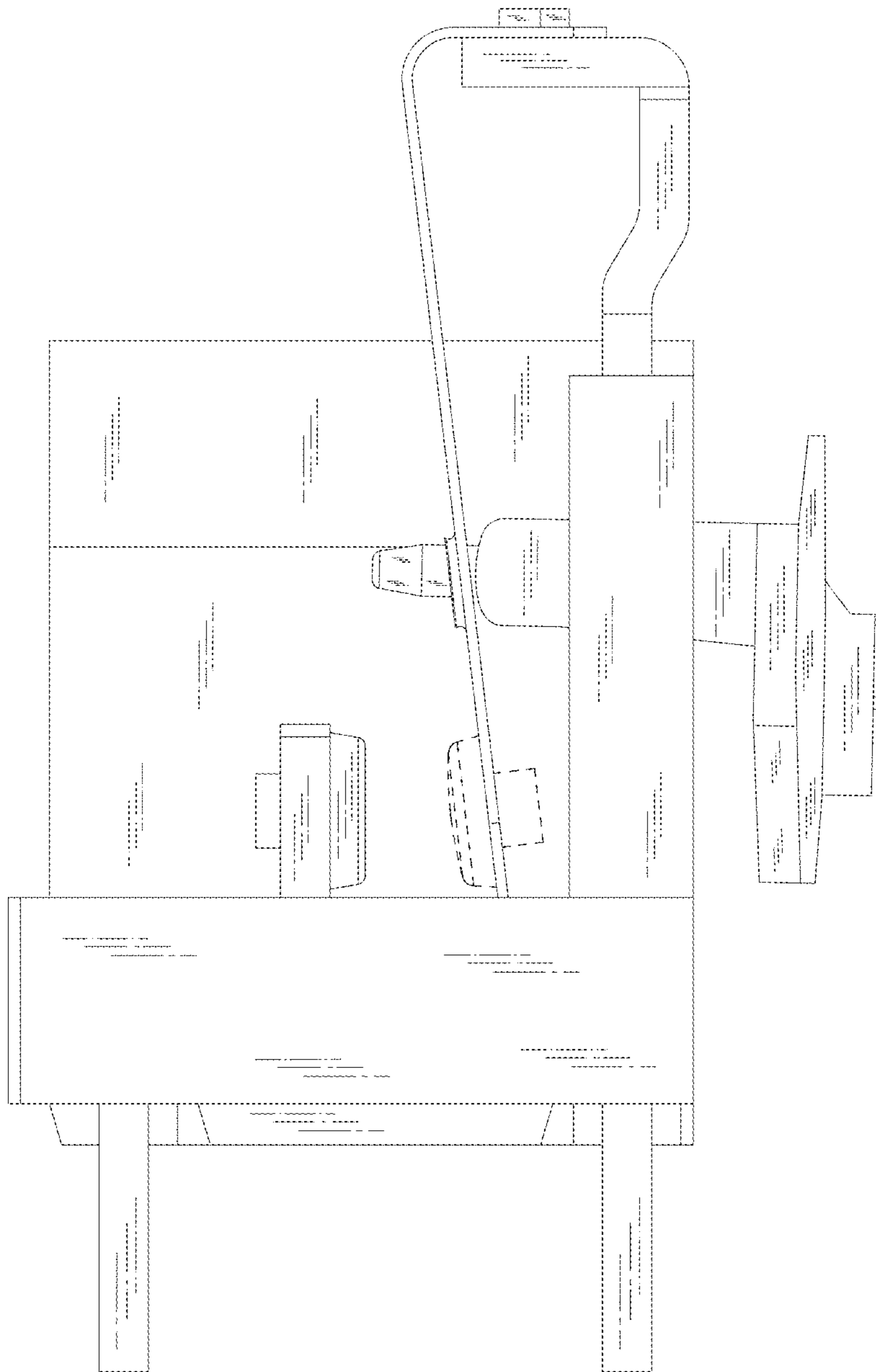


Fig. 4

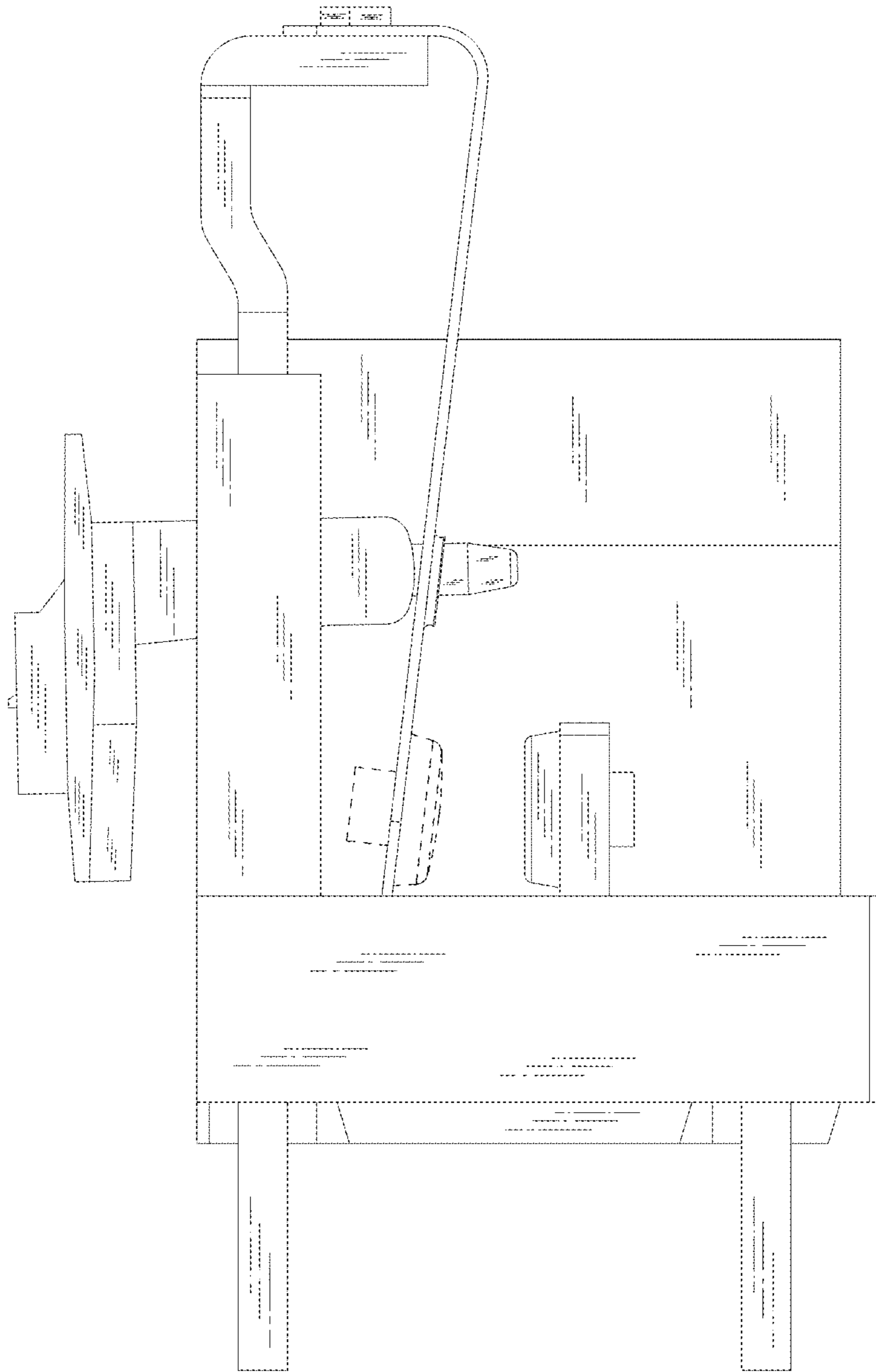


Fig. 5

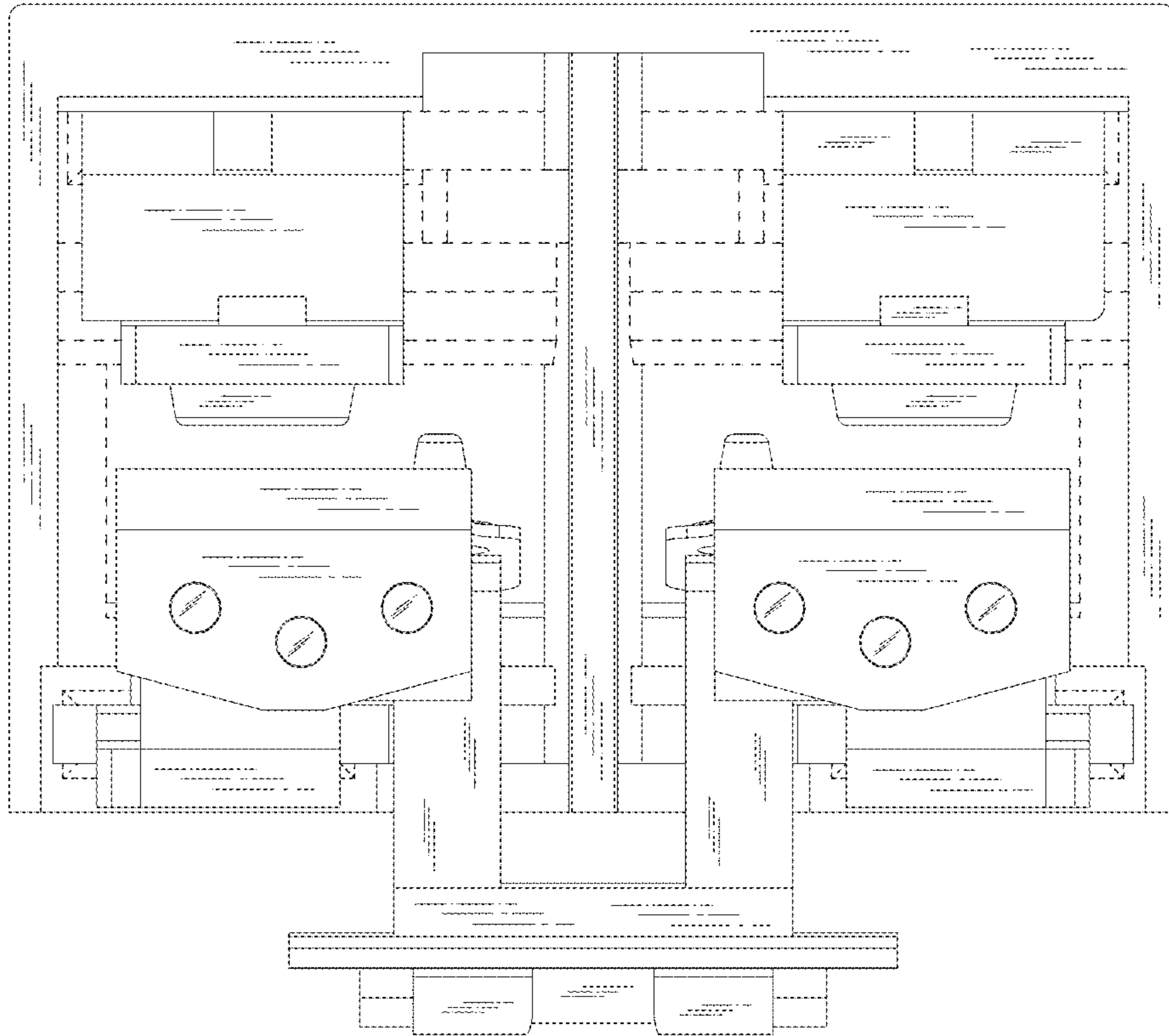


Fig. 6

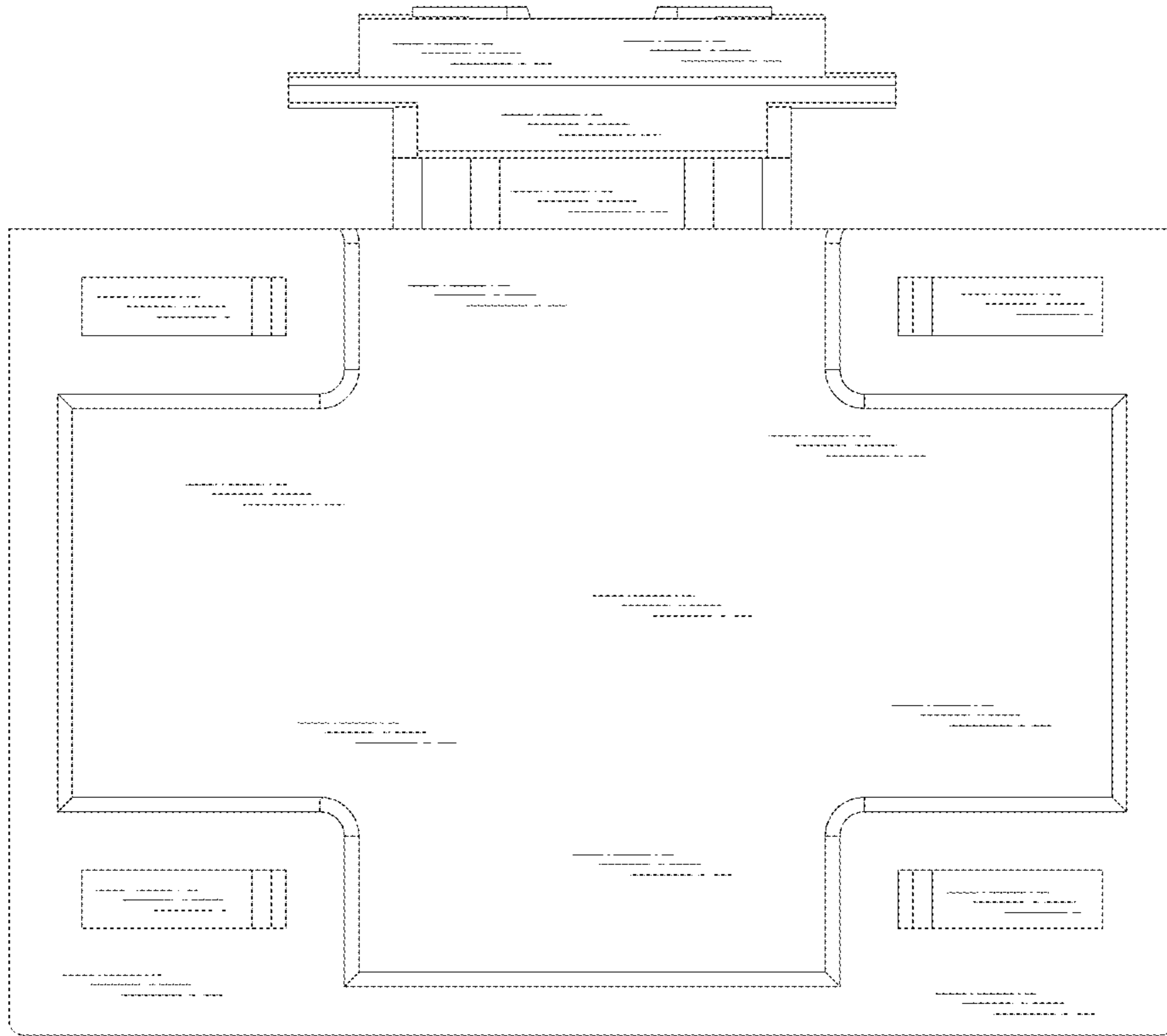


Fig. 7