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

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(45) **Date of Patent:** **\*\* Dec. 28, 2021**

(54) **FLAT SWITCH AND A FLAT SWITCH MODULE THEREOF**

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

(21) Appl. No.: **29/668,154**

(22) Filed: **Oct. 29, 2018**

**Related U.S. Application Data**

(63) Continuation-in-part of application No. 29/666,753, filed on Oct. 16, 2018, now abandoned.

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

(52) **U.S. Cl.**  
USPC ..... **D13/169**

(58) **Field of Classification Search**  
USPC ..... D13/162, 169, 173, 174

(Continued)

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*Primary Examiner* — Selina Sikder

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(57) **CLAIM**

The ornamental design for a flat switch and a flat switch module thereof, as shown and described.

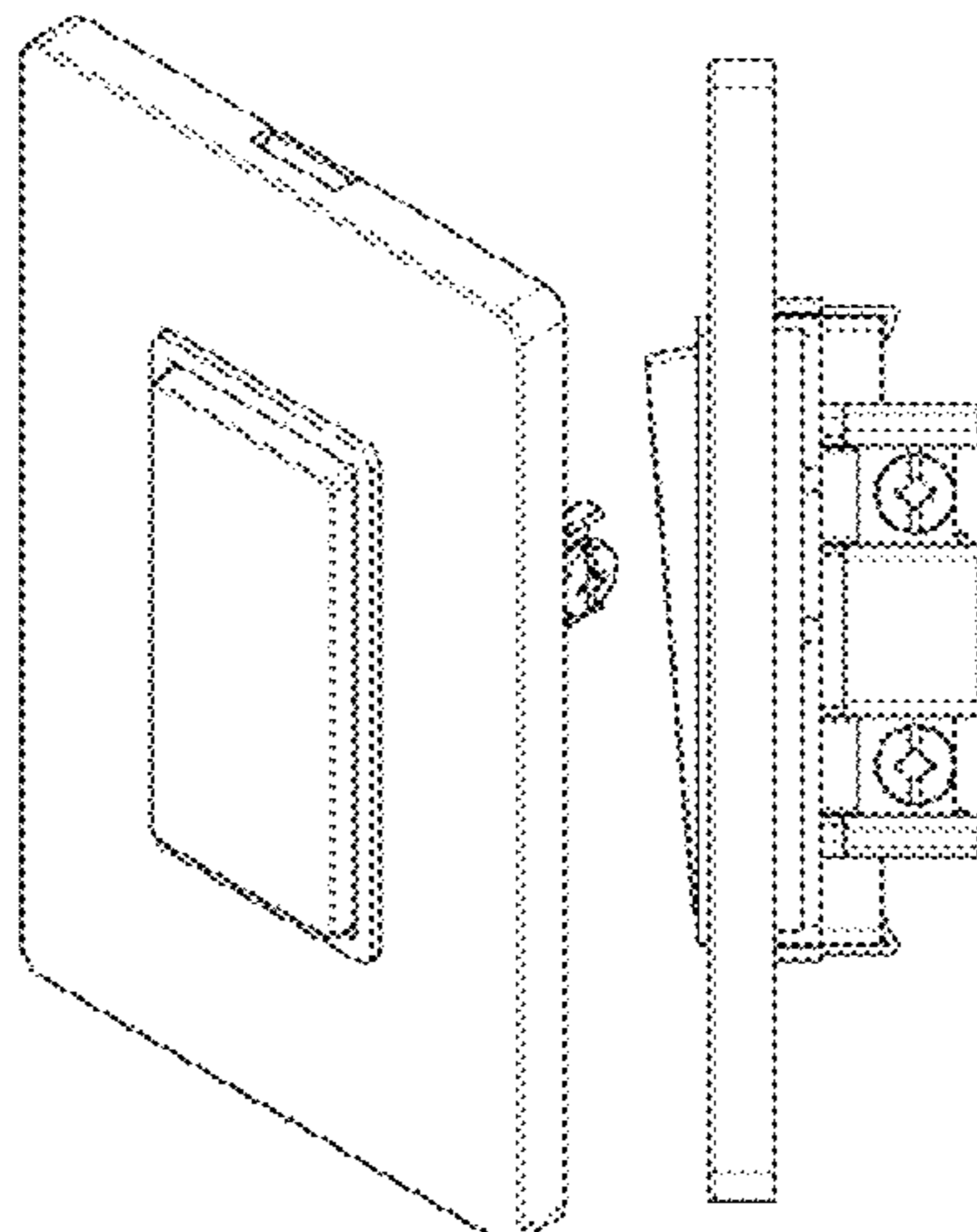
**DESCRIPTION**

FIG. 1 is a front view showing the off status of a flat switch of the first embodiment;

FIG. 2 is a right side view of the flat switch in FIG. 1; FIG. 3 is a left side view of the flat switch in FIG. 1; FIG. 4 is a top view of the flat switch in FIG. 1; FIG. 5 is a bottom view of the flat switch in FIG. 1; FIG. 6 is a perspective view of the flat switch in FIG. 1; FIG. 7 is a front view showing the on status of the flat switch of the first embodiment; FIG. 8 is a right side view of the flat switch in FIG. 7; FIG. 9 is a left side view of the flat switch in FIG. 7; FIG. 10 is a top view of the flat switch in FIG. 7; FIG. 11 is a bottom view of the flat switch in FIG. 7; FIG. 12 is a perspective view of the flat switch in FIG. 7; FIG. 13 is a front view showing the off status of a flat switch of the second embodiment; FIG. 14 is a right side view of the flat switch in FIG. 13; FIG. 15 is a left side view of the flat switch in FIG. 13; FIG. 16 is a top view of the flat switch in FIG. 13; FIG. 17 is a bottom view of the flat switch in FIG. 13; FIG. 18 is a perspective view of the flat switch in FIG. 13; FIG. 19 is a front view showing the on status of the flat switch of the second embodiment; FIG. 20 is a right side view of the flat switch in FIG. 19; FIG. 21 is a left side view of the flat switch in FIG. 19; FIG. 22 is a top view of the flat switch in FIG. 19; FIG. 23 is a bottom view of the flat switch in FIG. 19; FIG. 24 is a perspective view of the flat switch in FIG. 19; FIG. 25 is a front view showing the off status of a flat switch of the third embodiment; FIG. 26 is a right side view of the flat switch in FIG. 25; FIG. 27 is a left side view of the flat switch in FIG. 25; FIG. 28 is a top view of the flat switch in FIG. 25; FIG. 29 is a bottom view of the flat switch in FIG. 25; FIG. 30 is a perspective view of the flat switch in FIG. 25; FIG. 31 is a front view showing the on status of the flat switch of the third embodiment; FIG. 32 is a right side view of the flat switch in FIG. 31; FIG. 33 is a left side view of the flat switch in FIG. 31; FIG. 34 is a top view of the flat switch in FIG. 31; FIG. 35 is a bottom view of the flat switch in FIG. 31; FIG. 36 is a perspective view of the flat switch in FIG. 31; and, FIG. 37 is a right side perspective view of the flat switch in FIG. 1.

Any subject matter shown in broken lines is environmental and forms no part of the claimed design.

**1 Claim, 31 Drawing Sheets**



(58) **Field of Classification Search**

CPC .. H01H 9/02; H01H 9/16; H01H 9/18; H01H  
 9/181; H01H 9/182; H01H 13/023; H01H  
 13/04; H01H 13/06; H01H 2009/187;  
 H01H 23/02; H01H 23/025; H01H 23/04;  
 H01H 23/08; H01H 23/12; H01H 23/14;  
 H01H 23/43; H01H 23/145; H01H  
 23/164; H05B 39/02; H05B 39/04; H05B  
 39/085; H05B 39/086; H05B 39/088;  
 G08C 17/02

See application file for complete search history.

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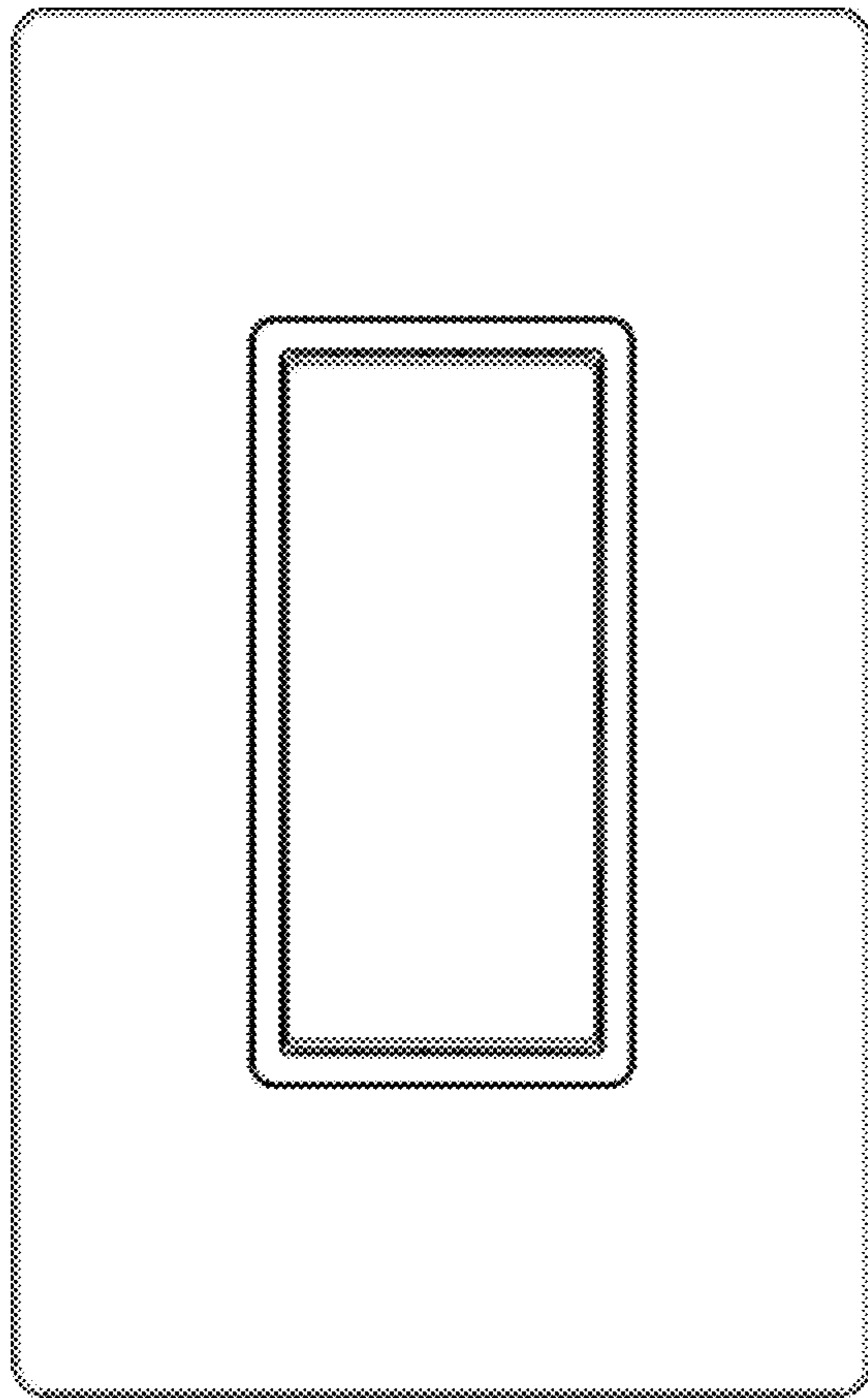


Fig. 1

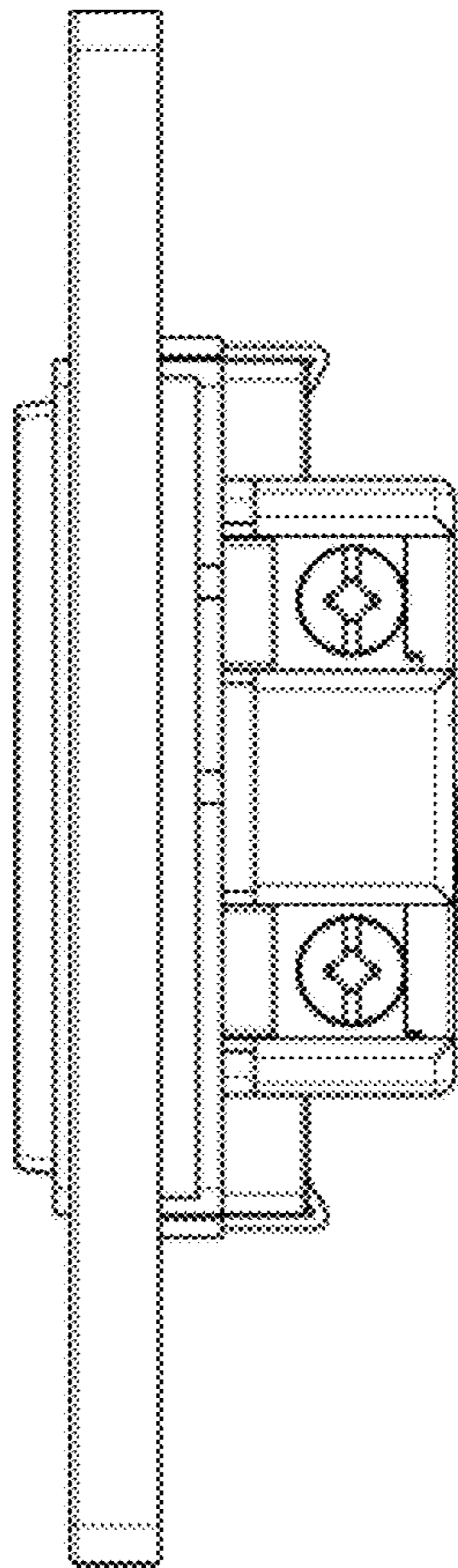


Fig. 2

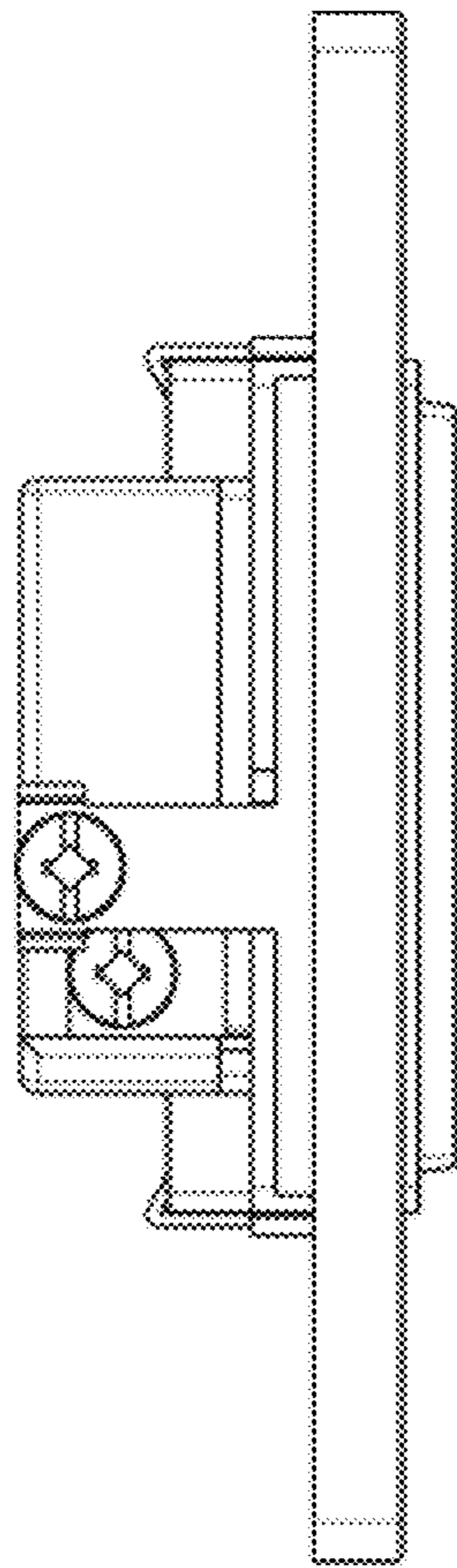


Fig. 3



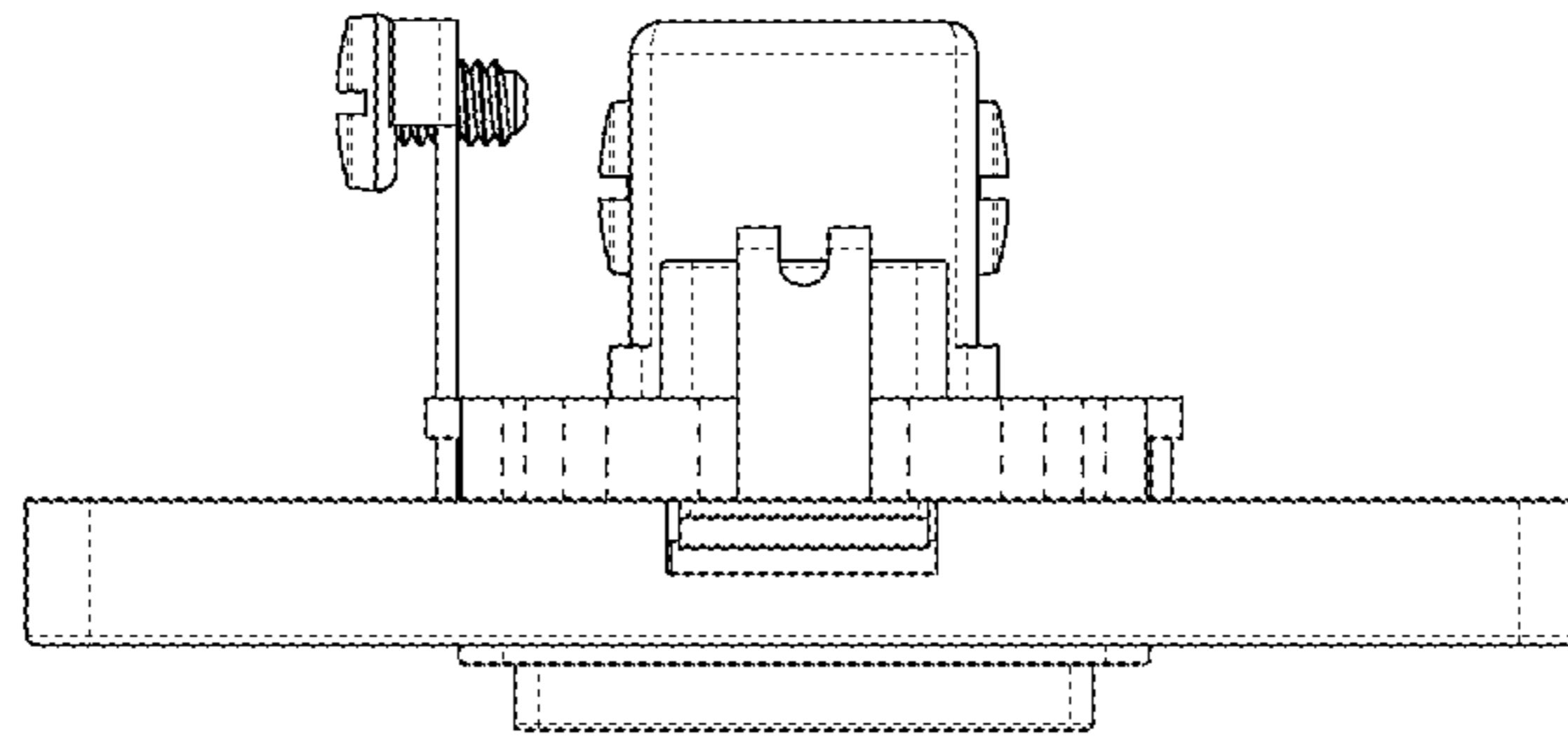


Fig. 4

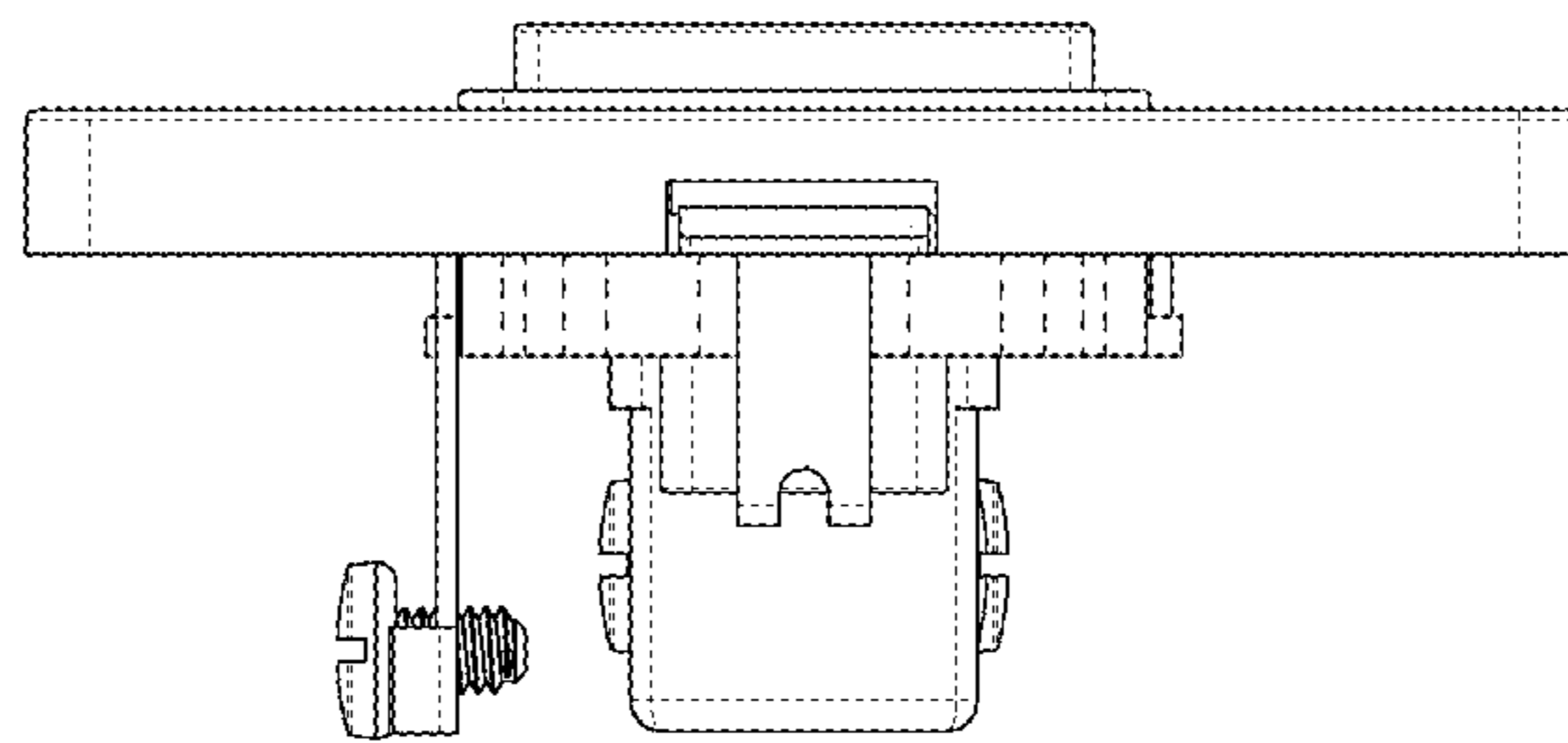


Fig. 5

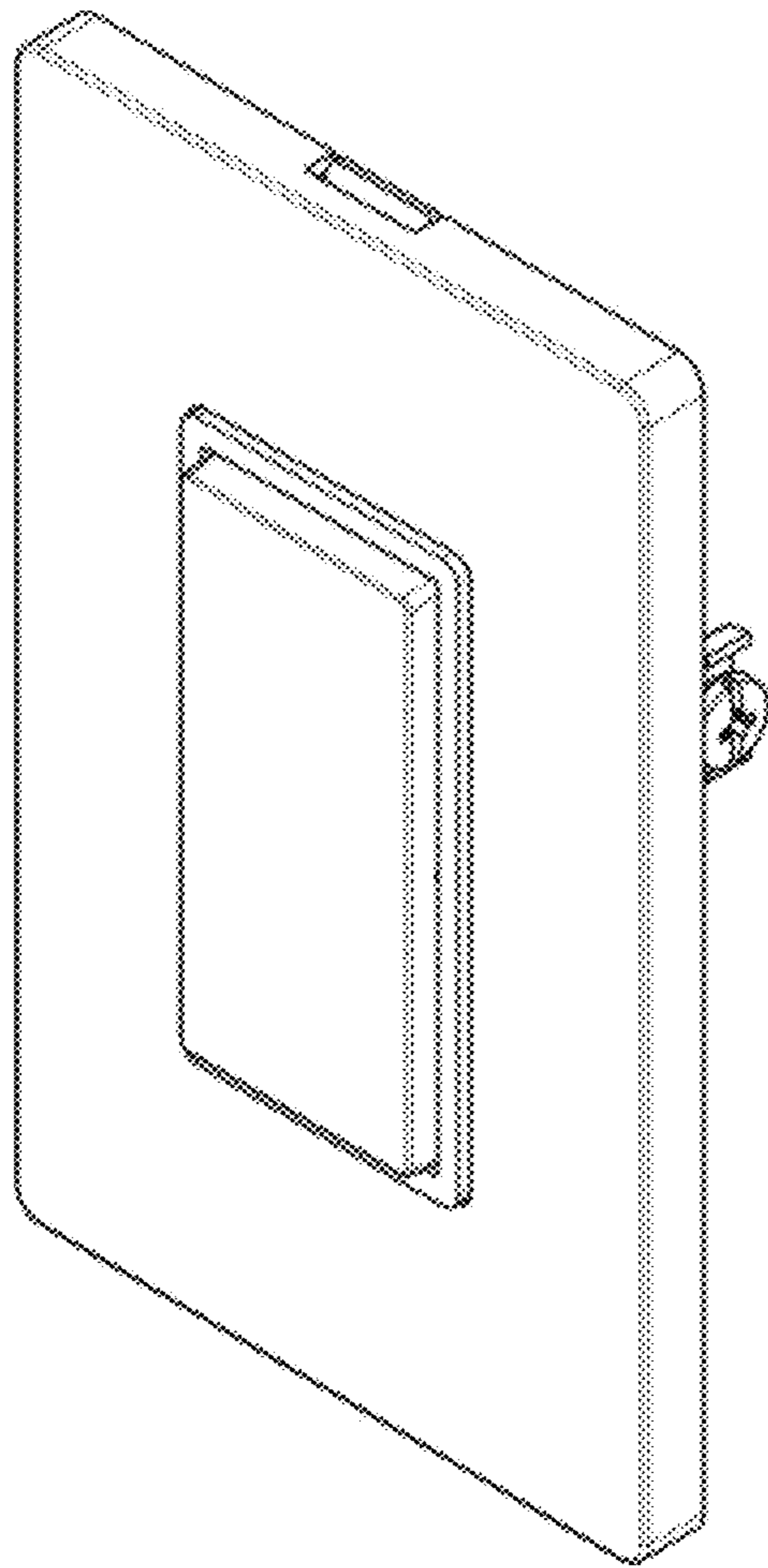


Fig. 6

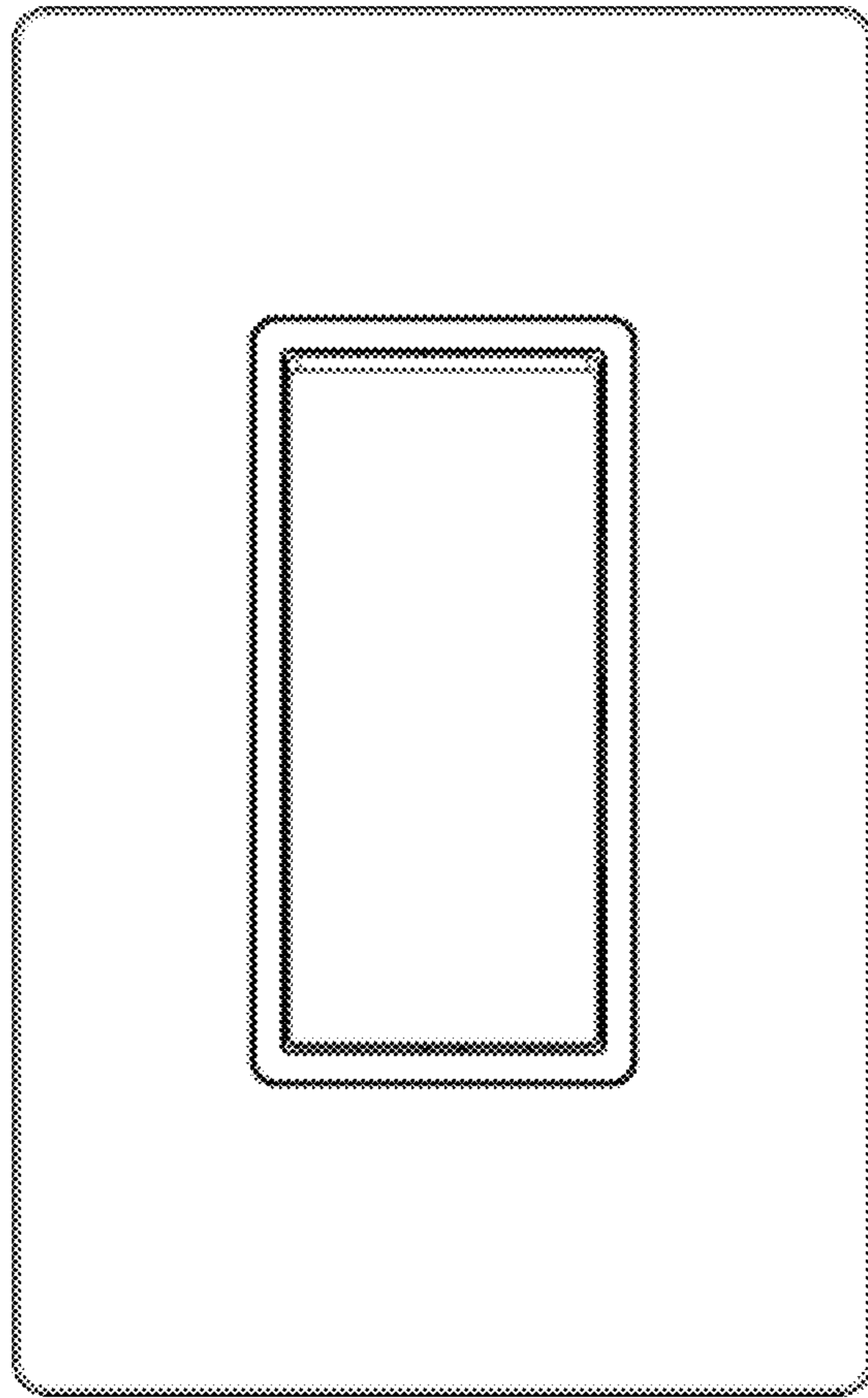


Fig. 7



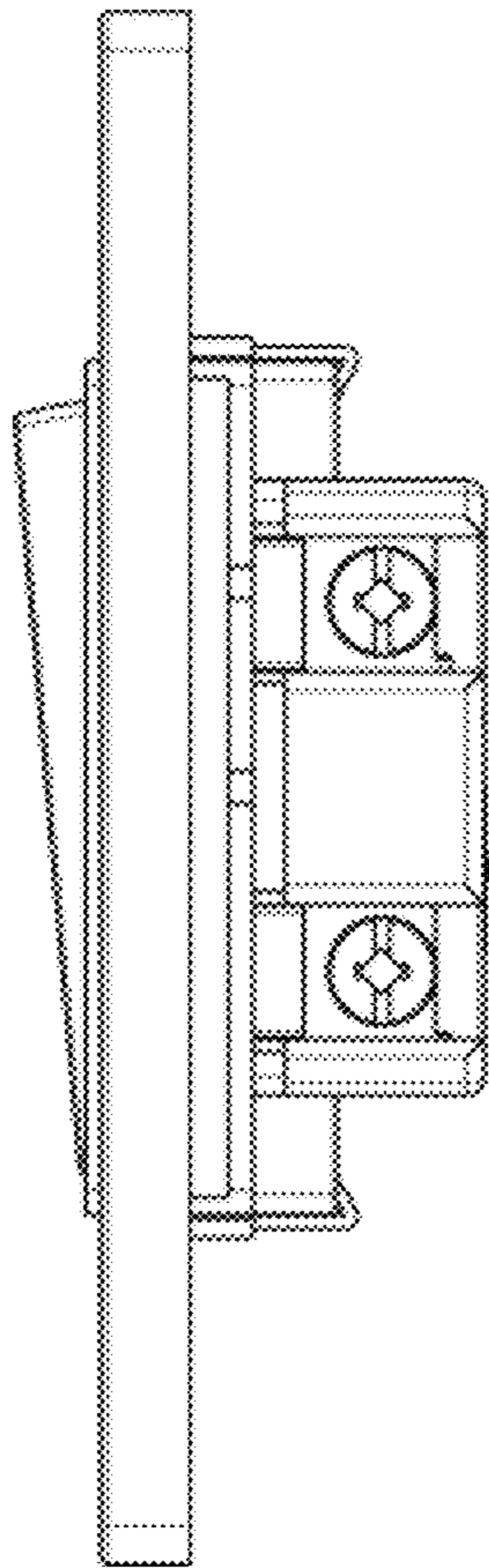


Fig. 8

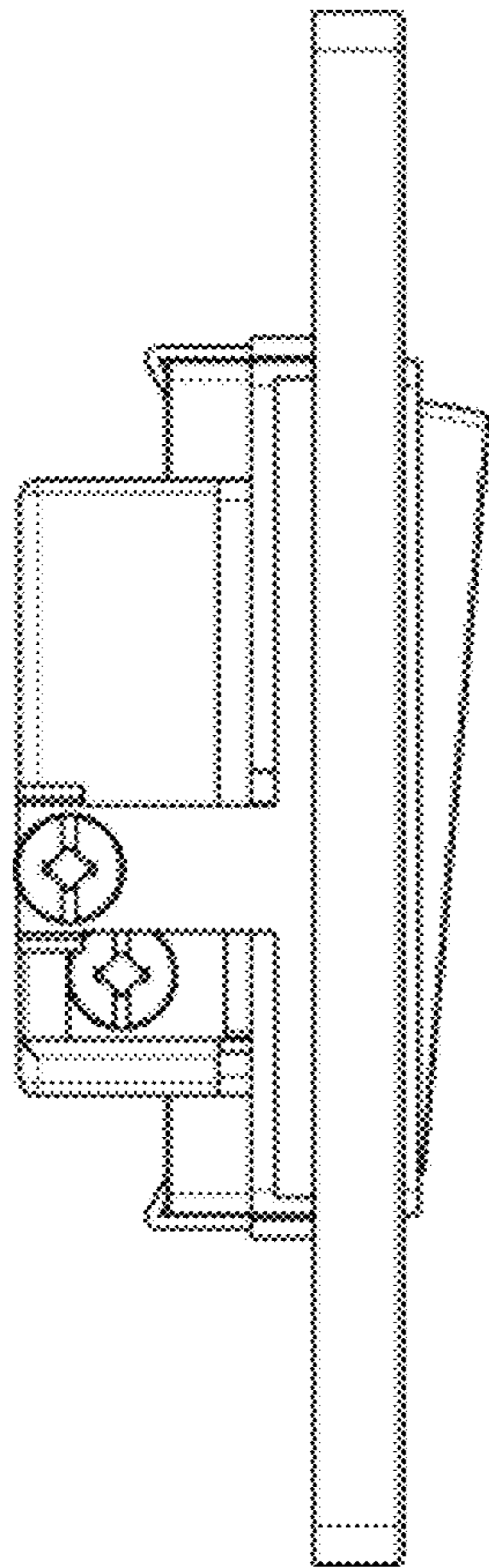


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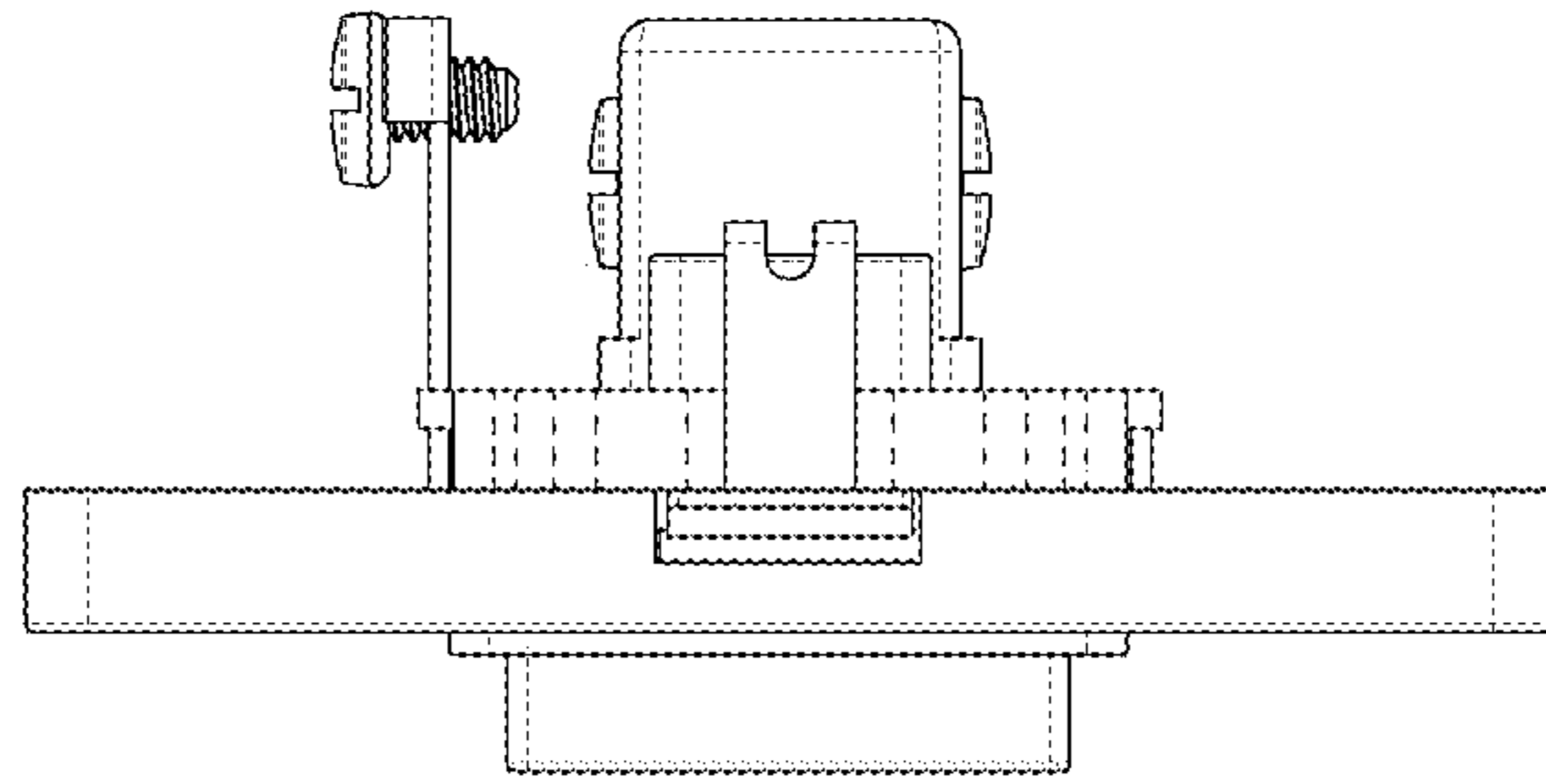


Fig. 10

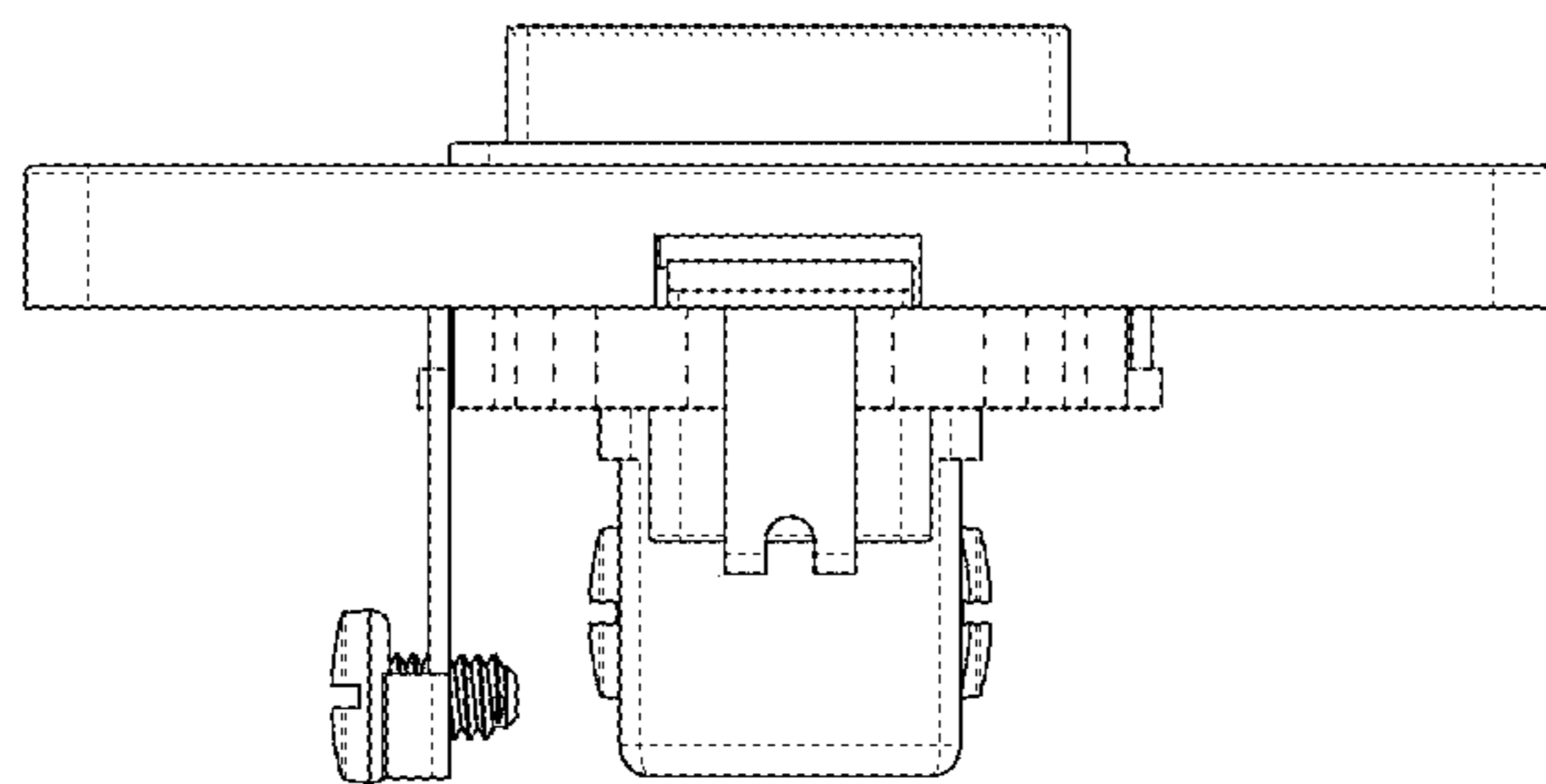


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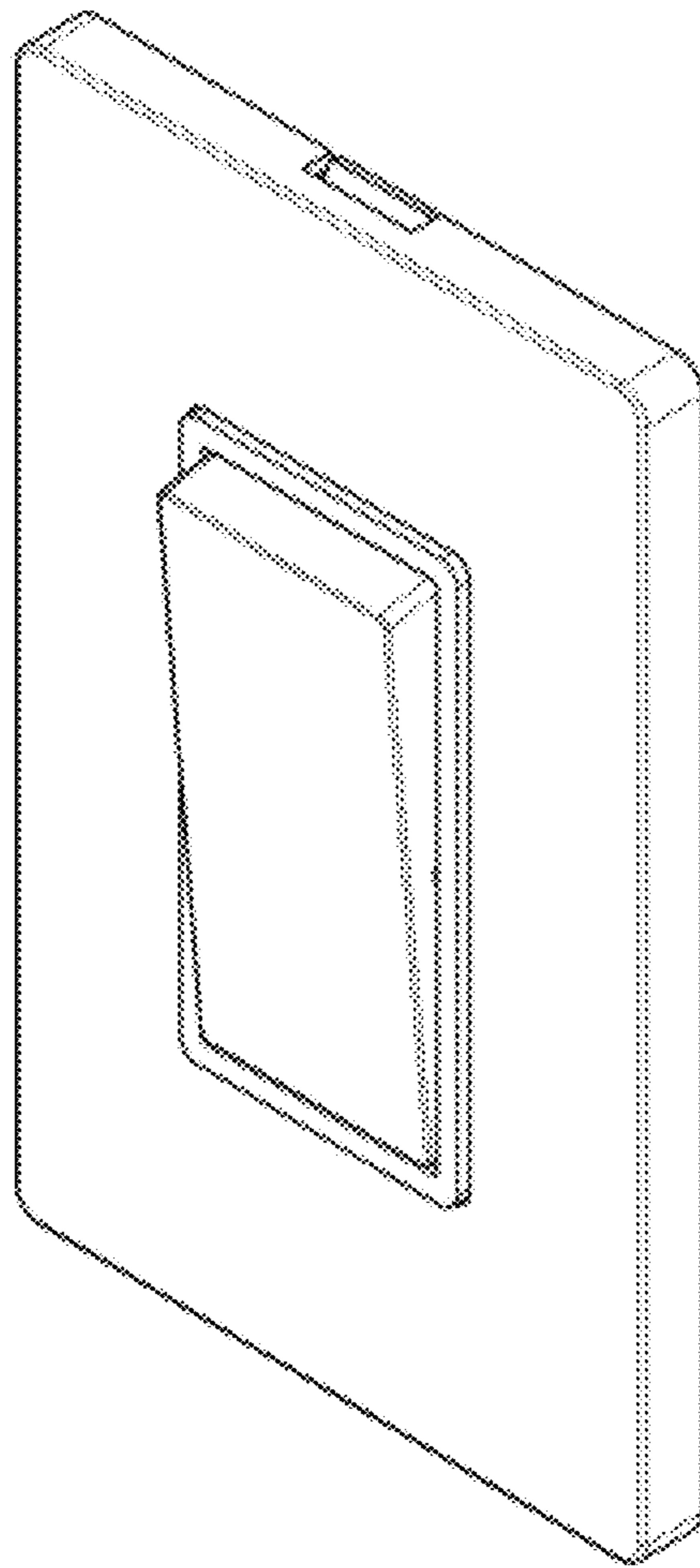


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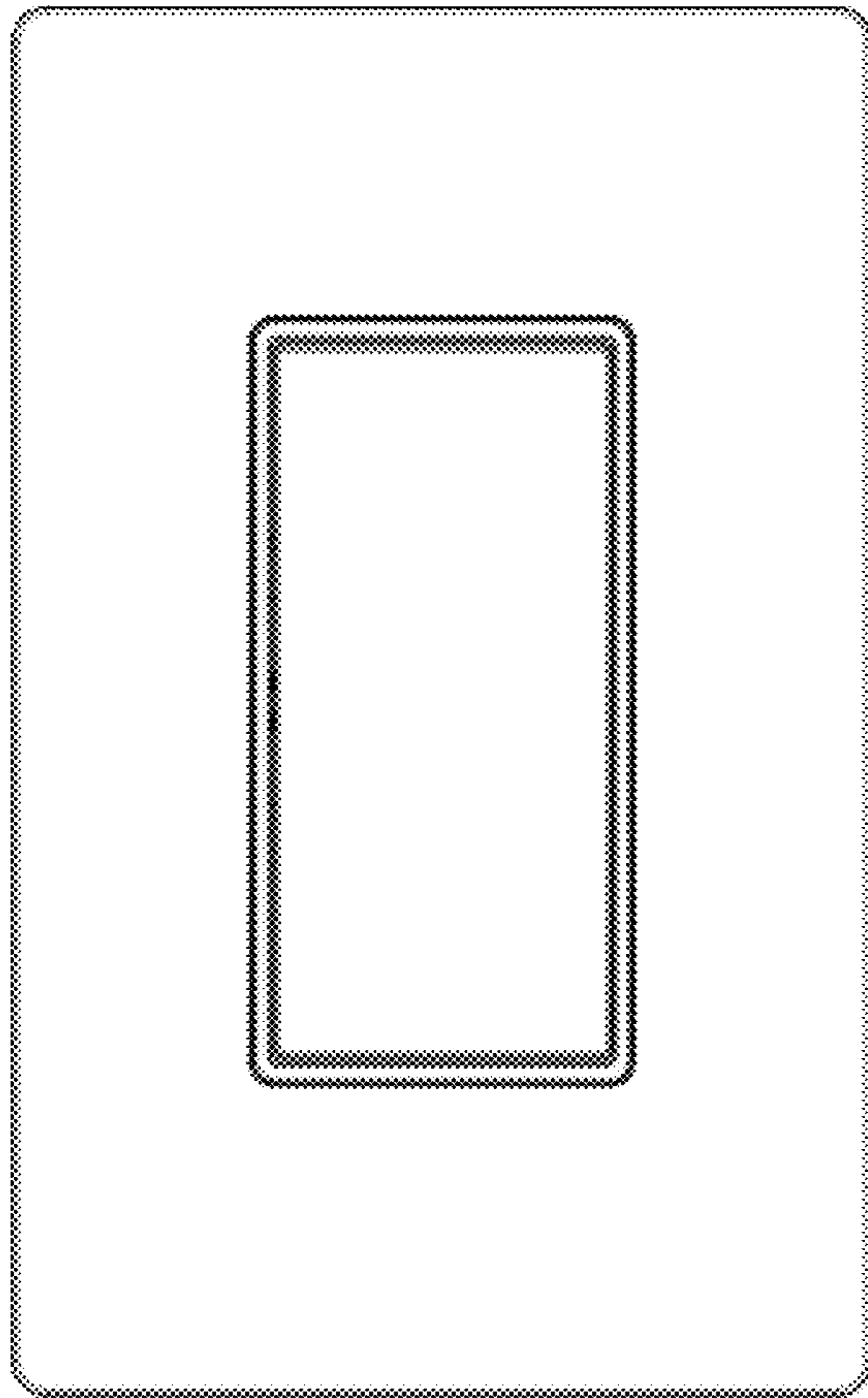


Fig. 13

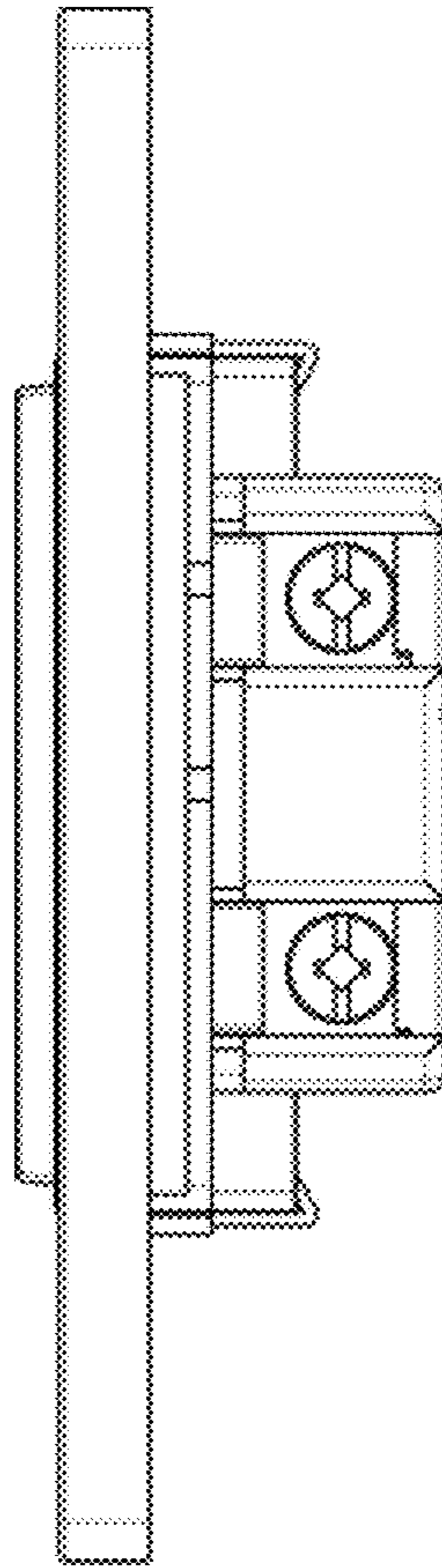


Fig. 14



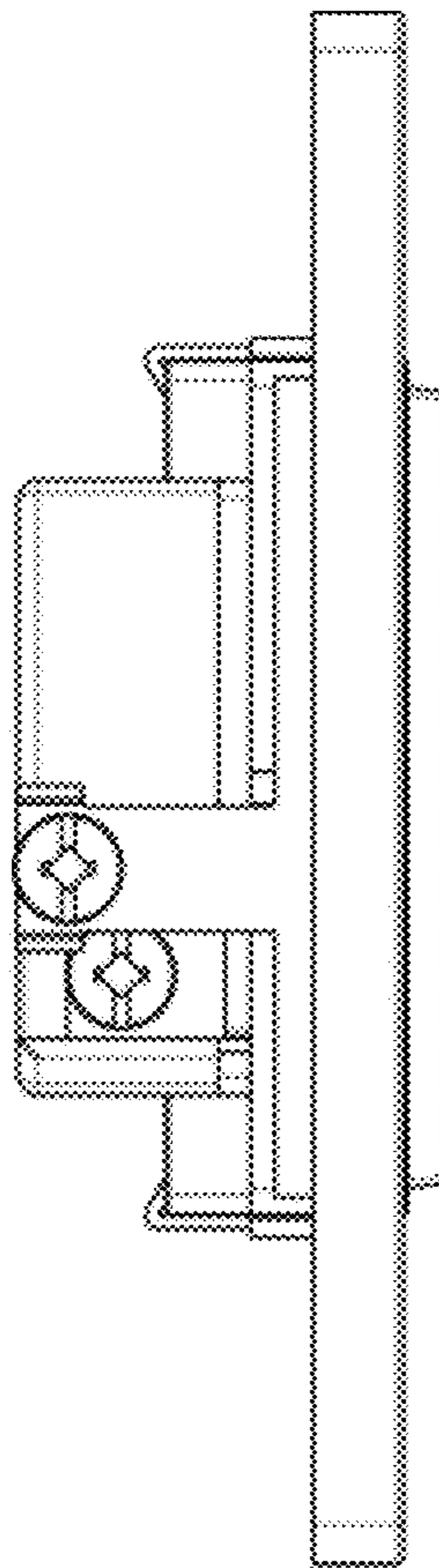


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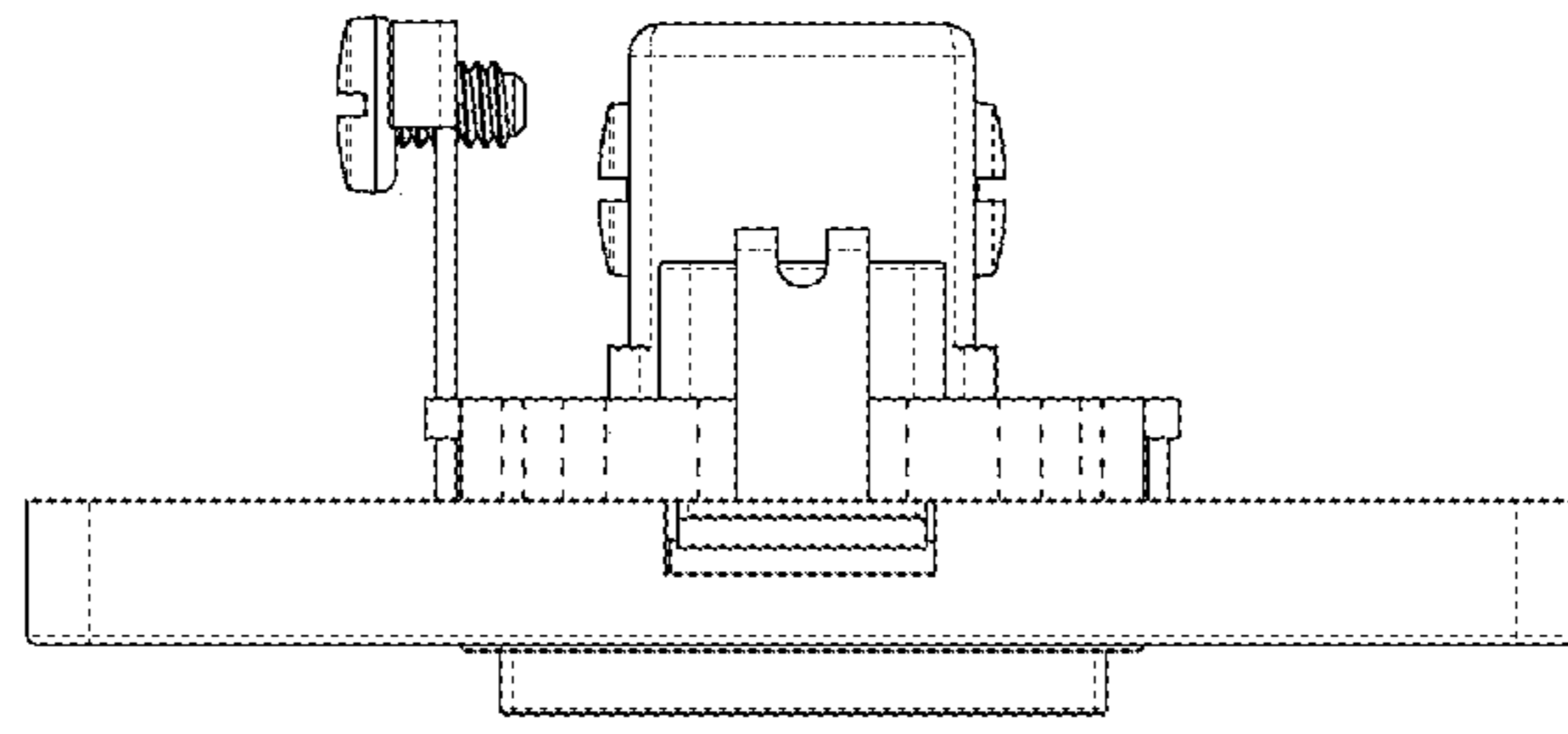


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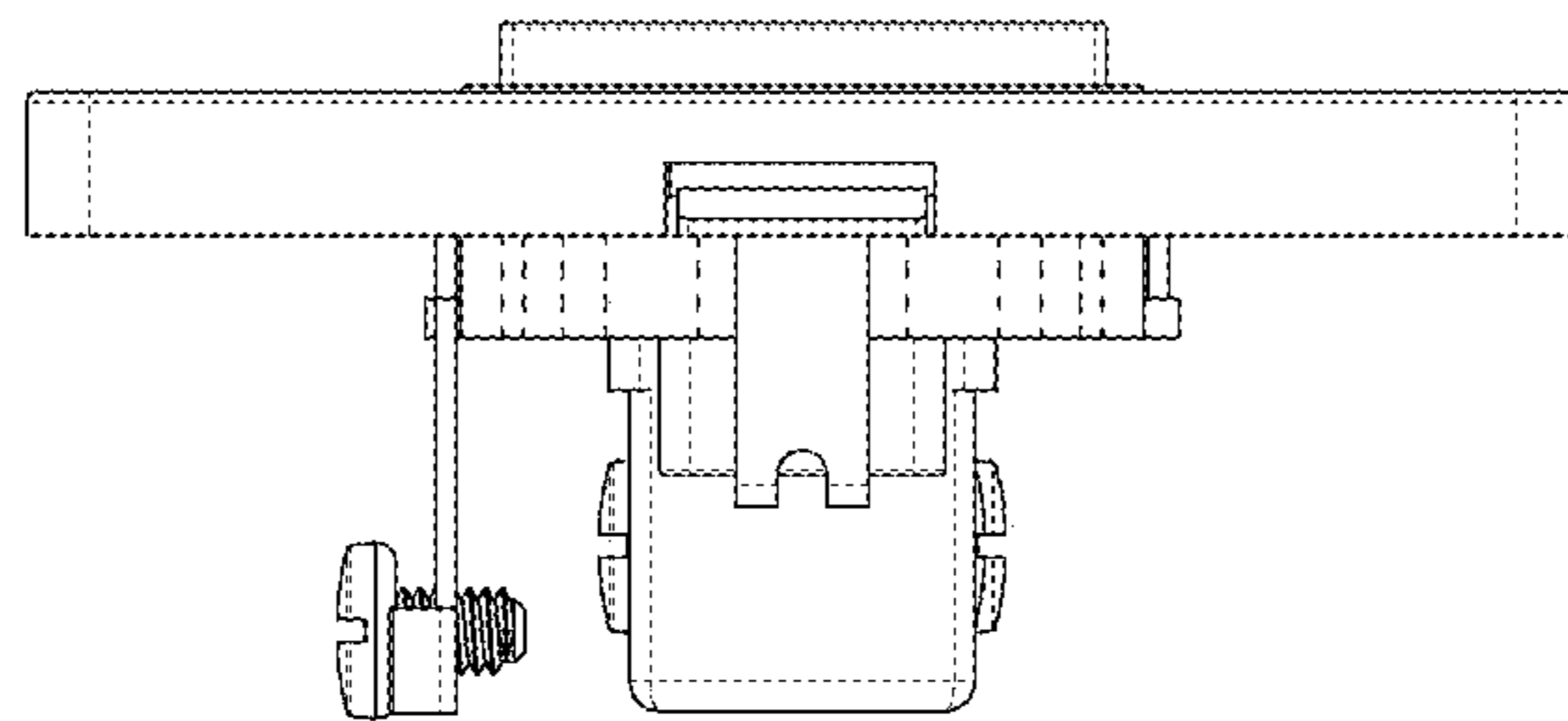


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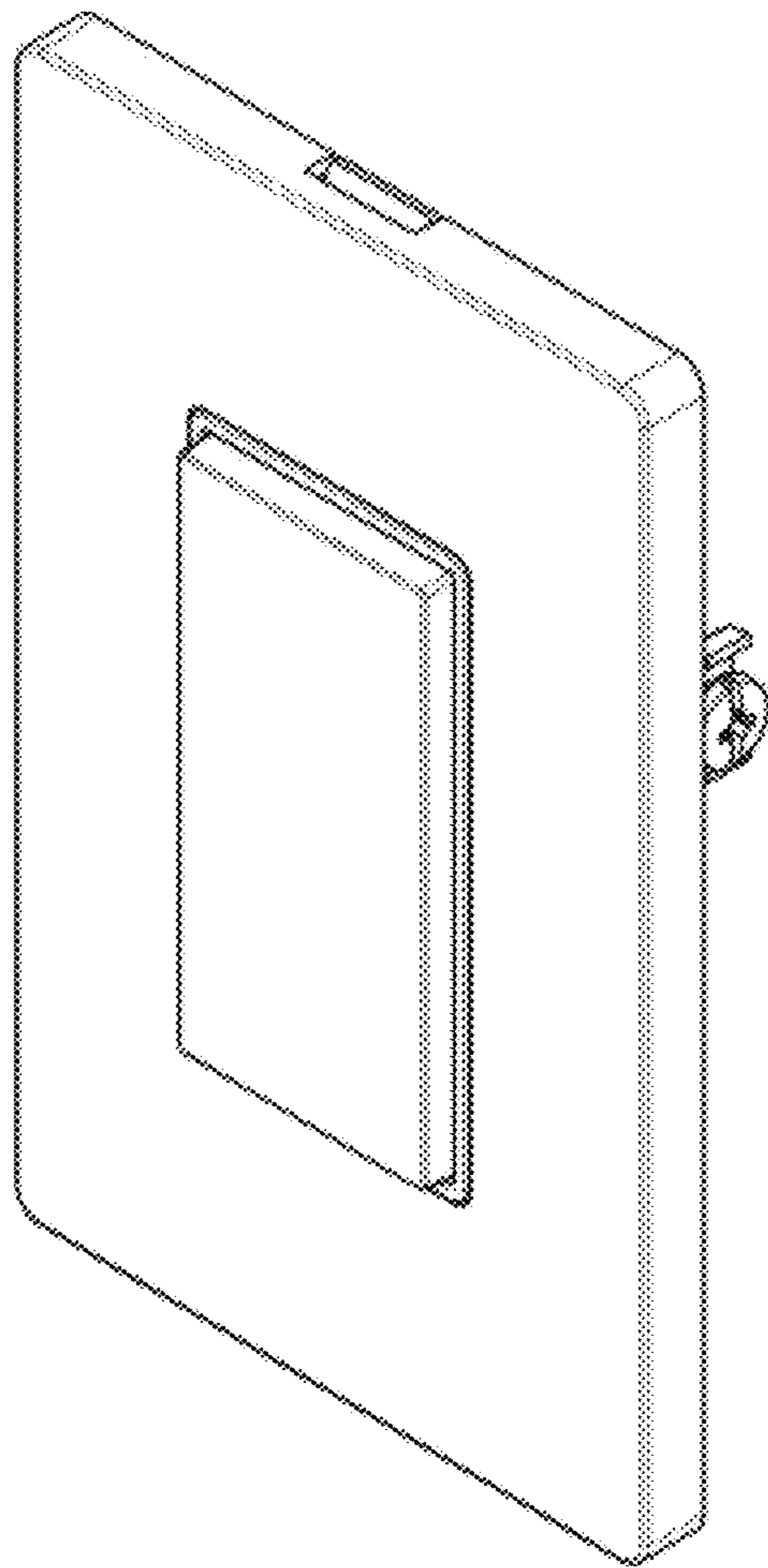


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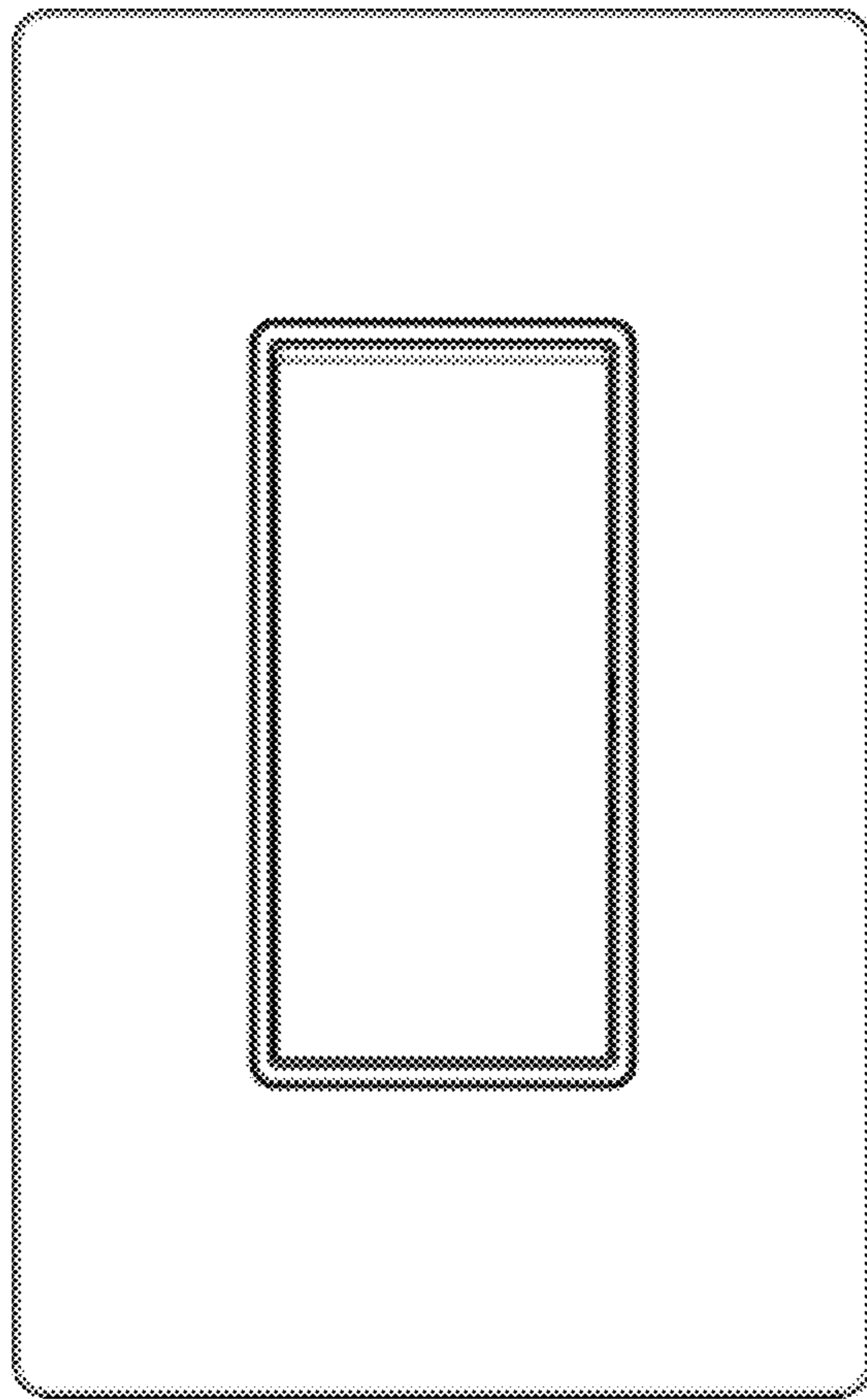


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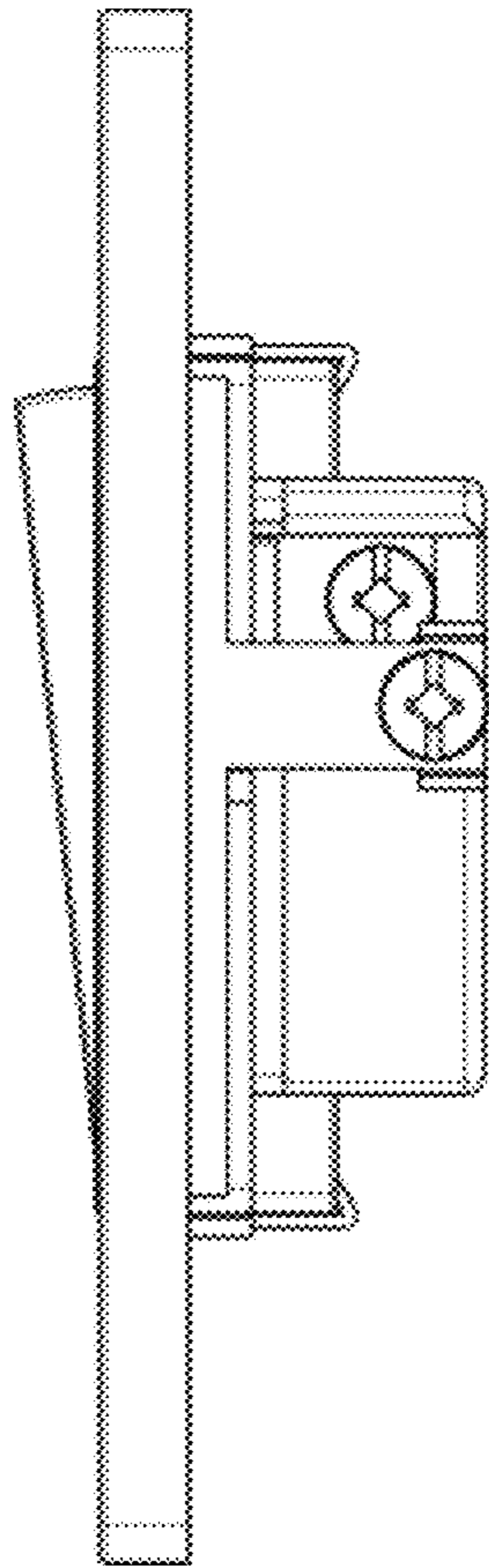


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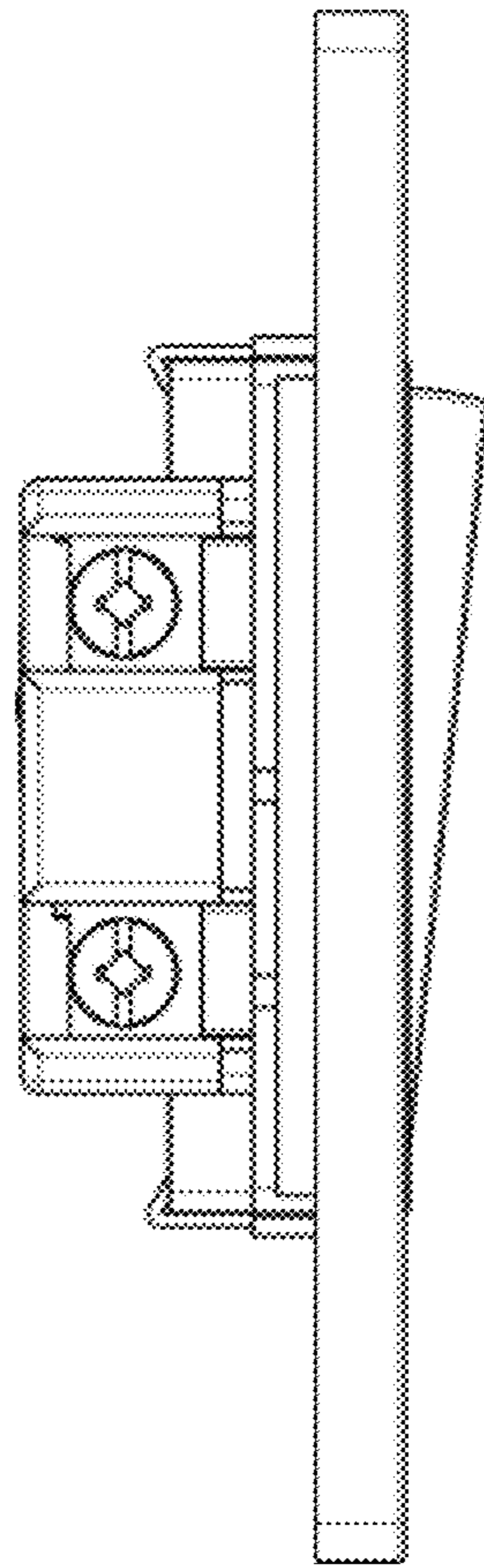


Fig. 21



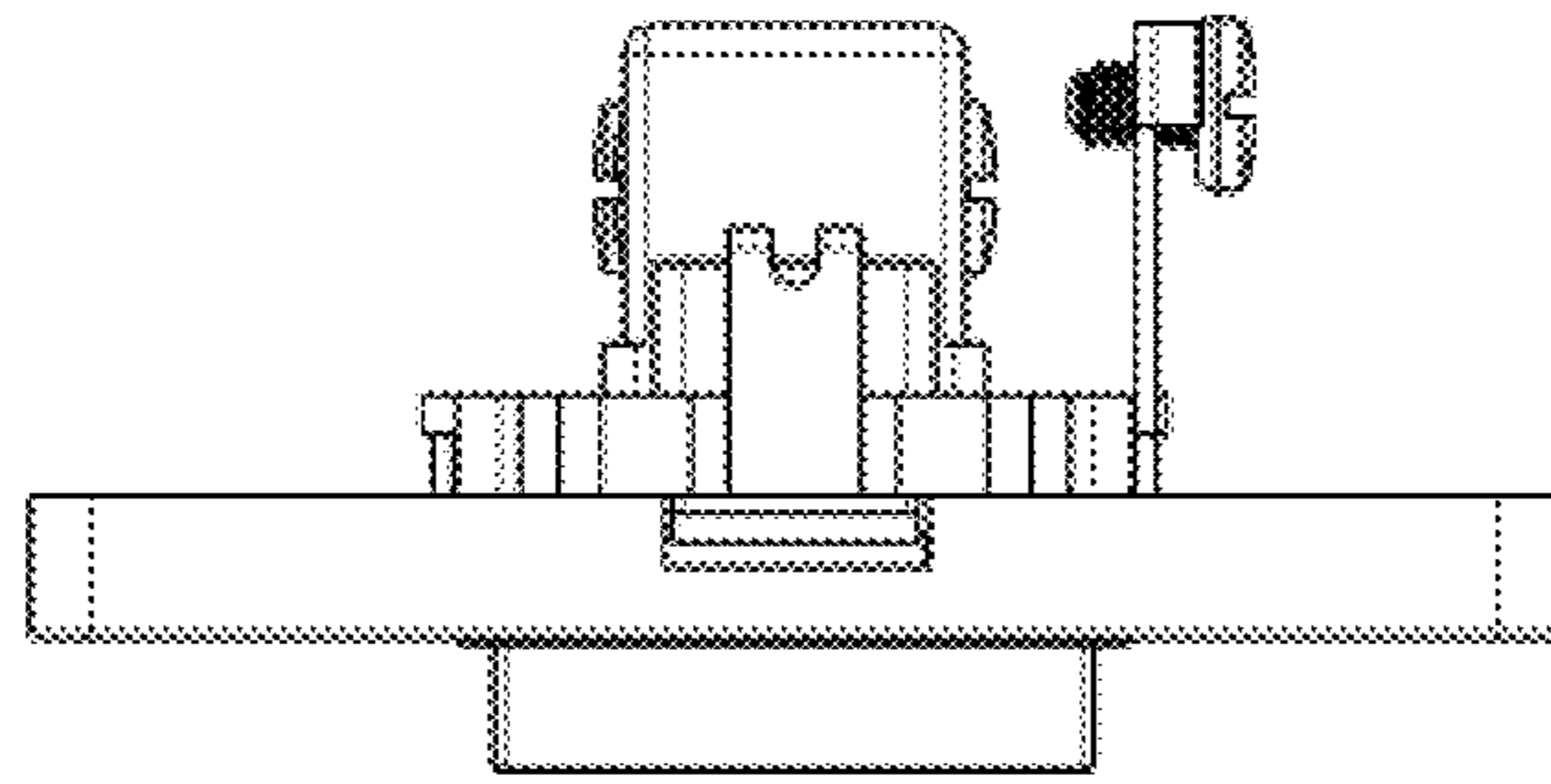


Fig. 22

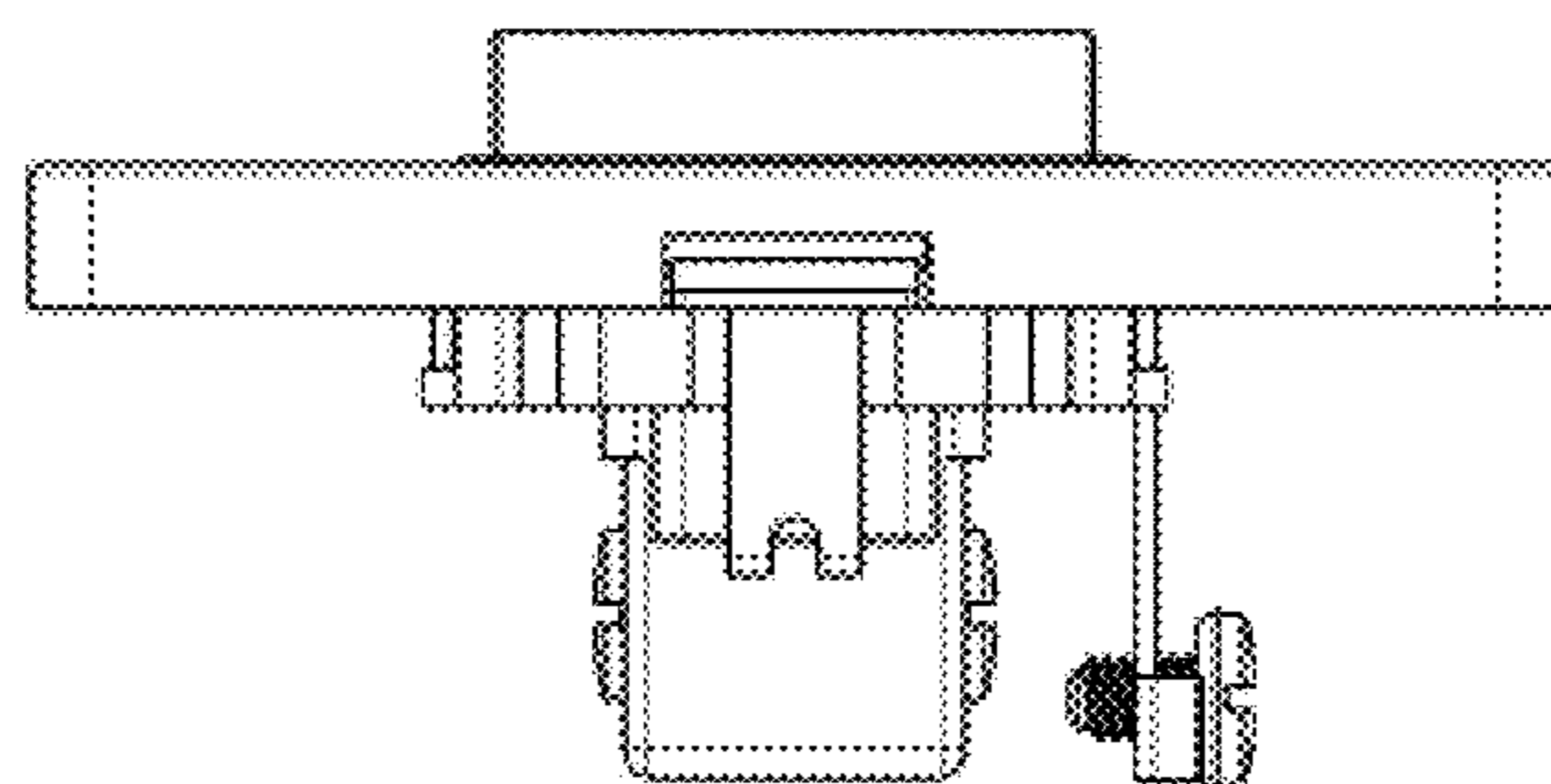


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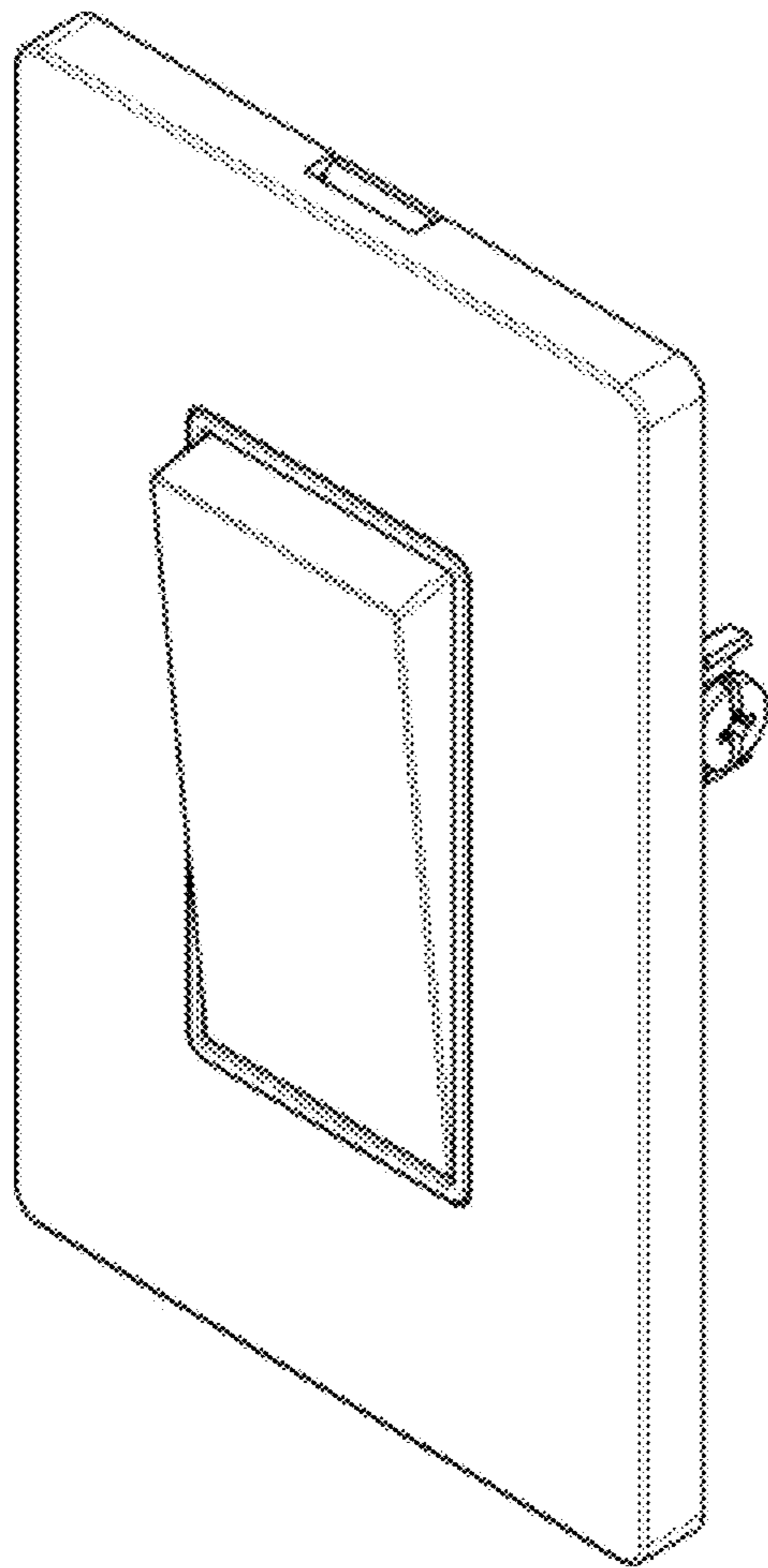


Fig. 24

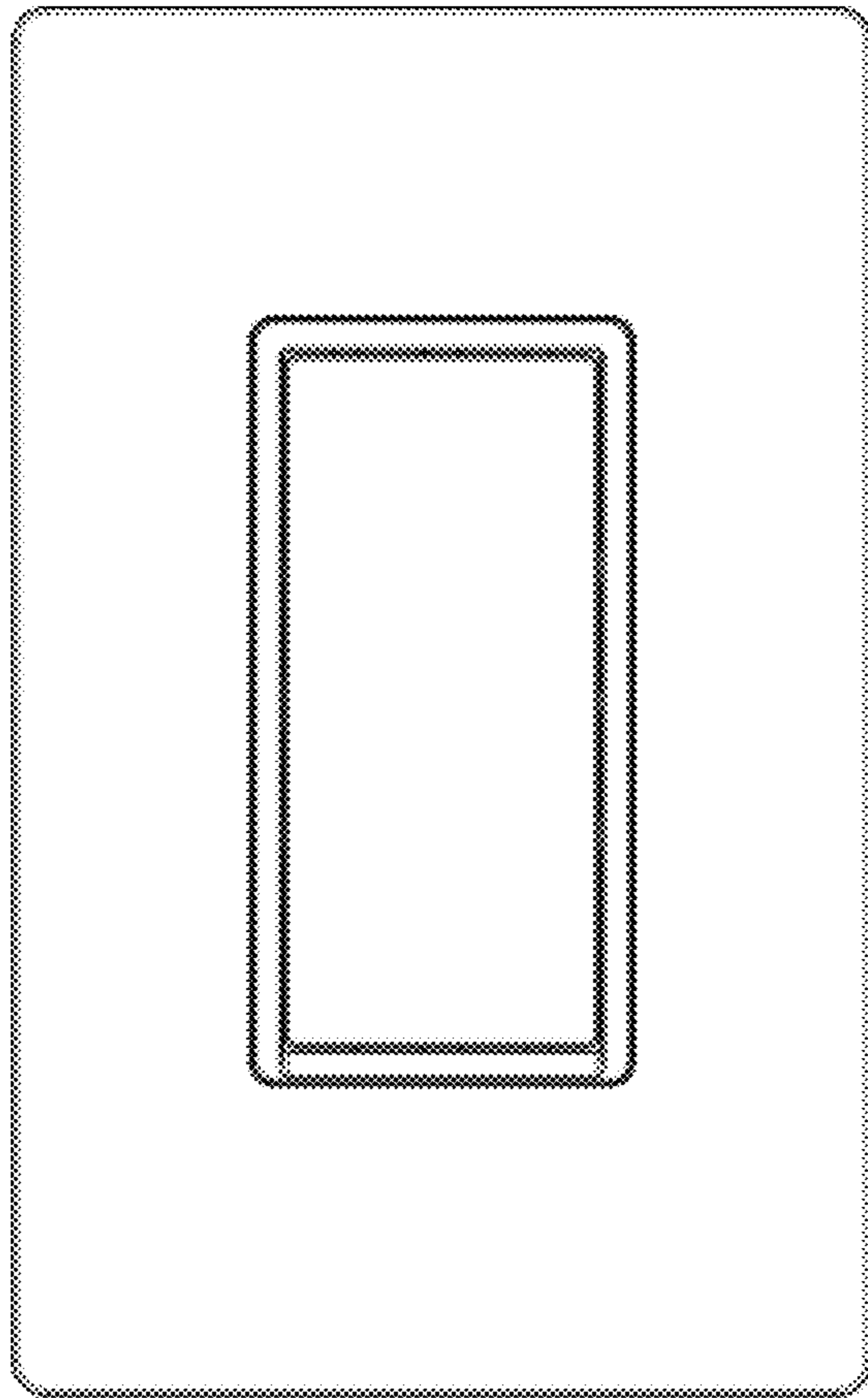


Fig. 25

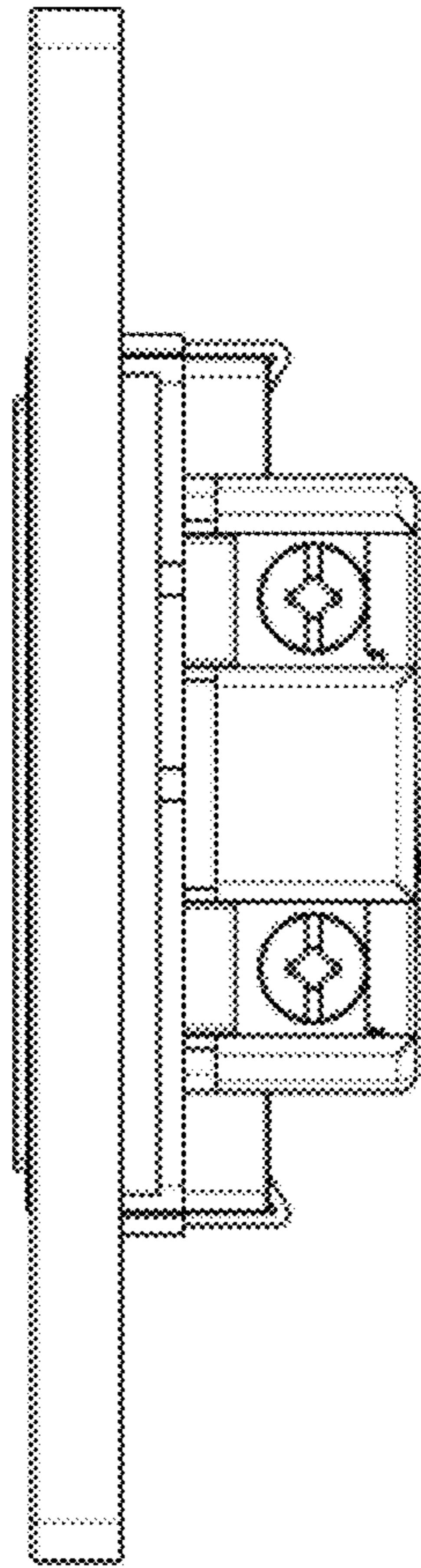


Fig. 26

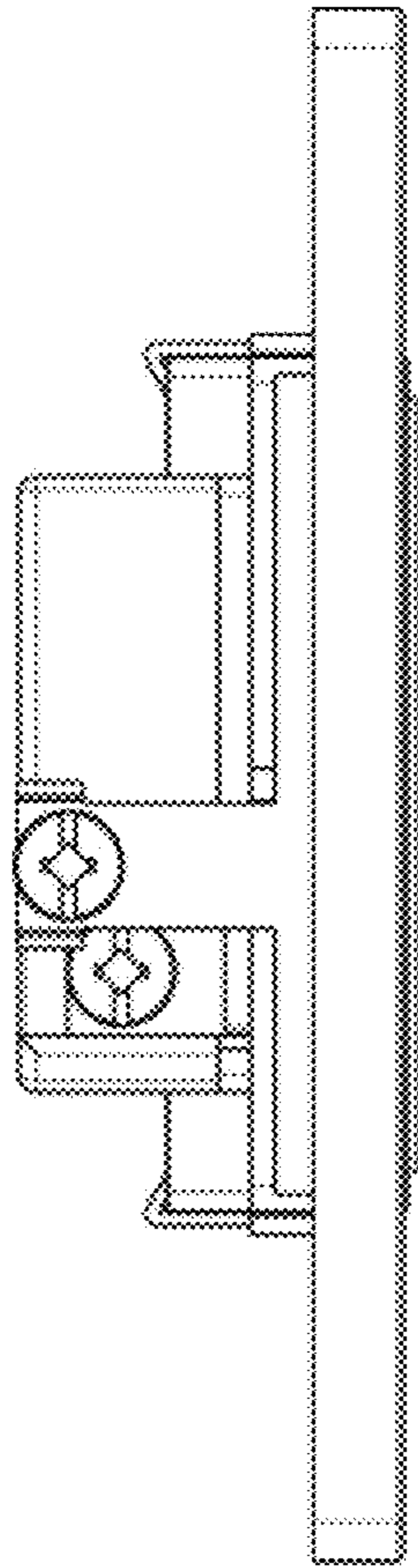


Fig. 27

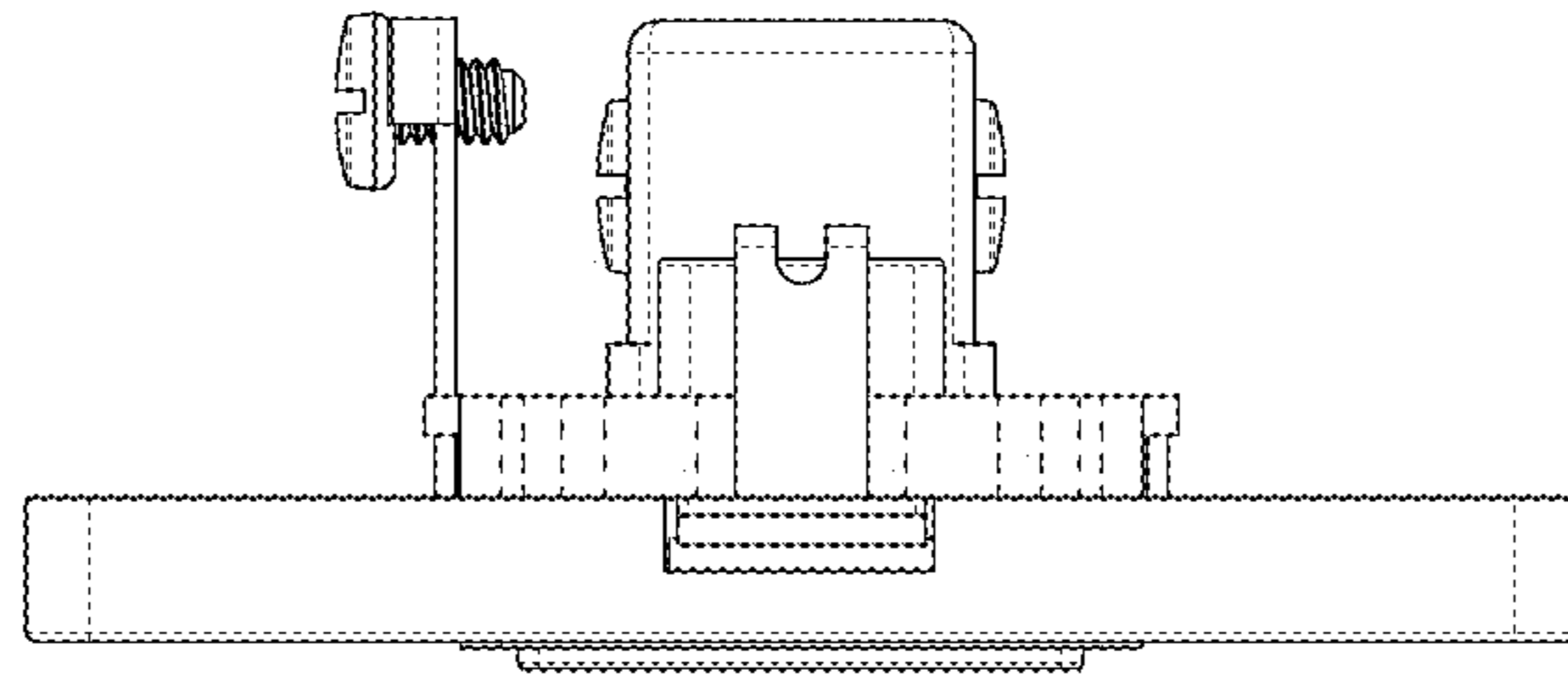


Fig. 28

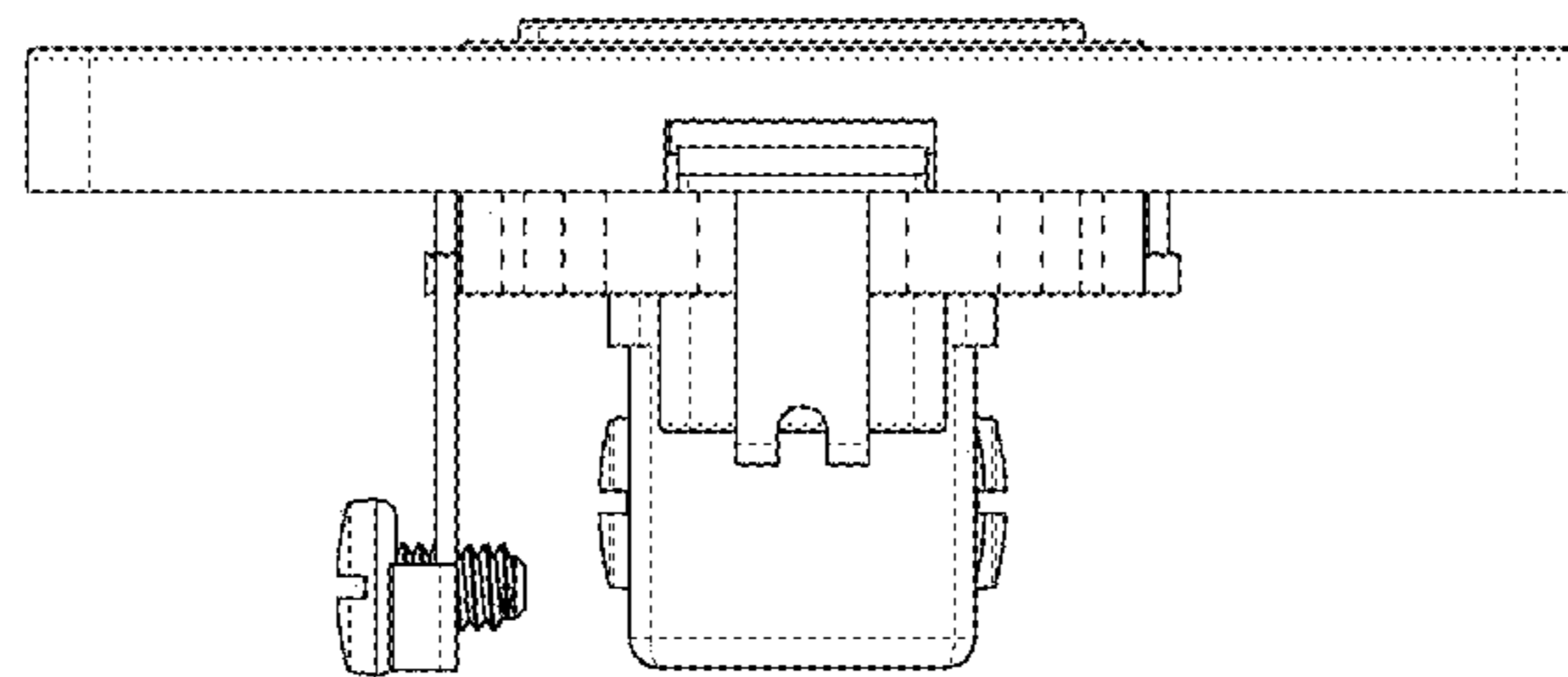


Fig. 29



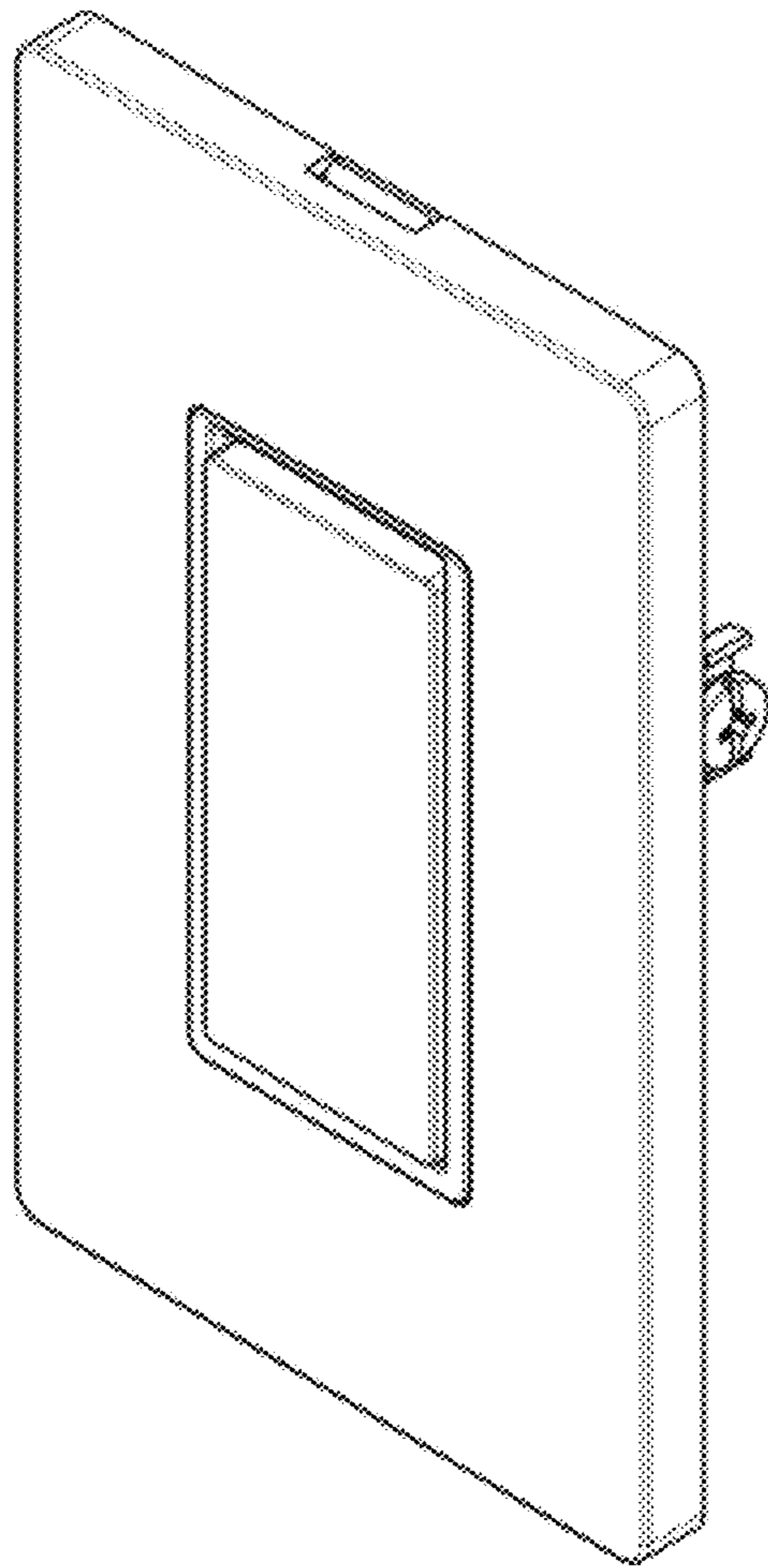


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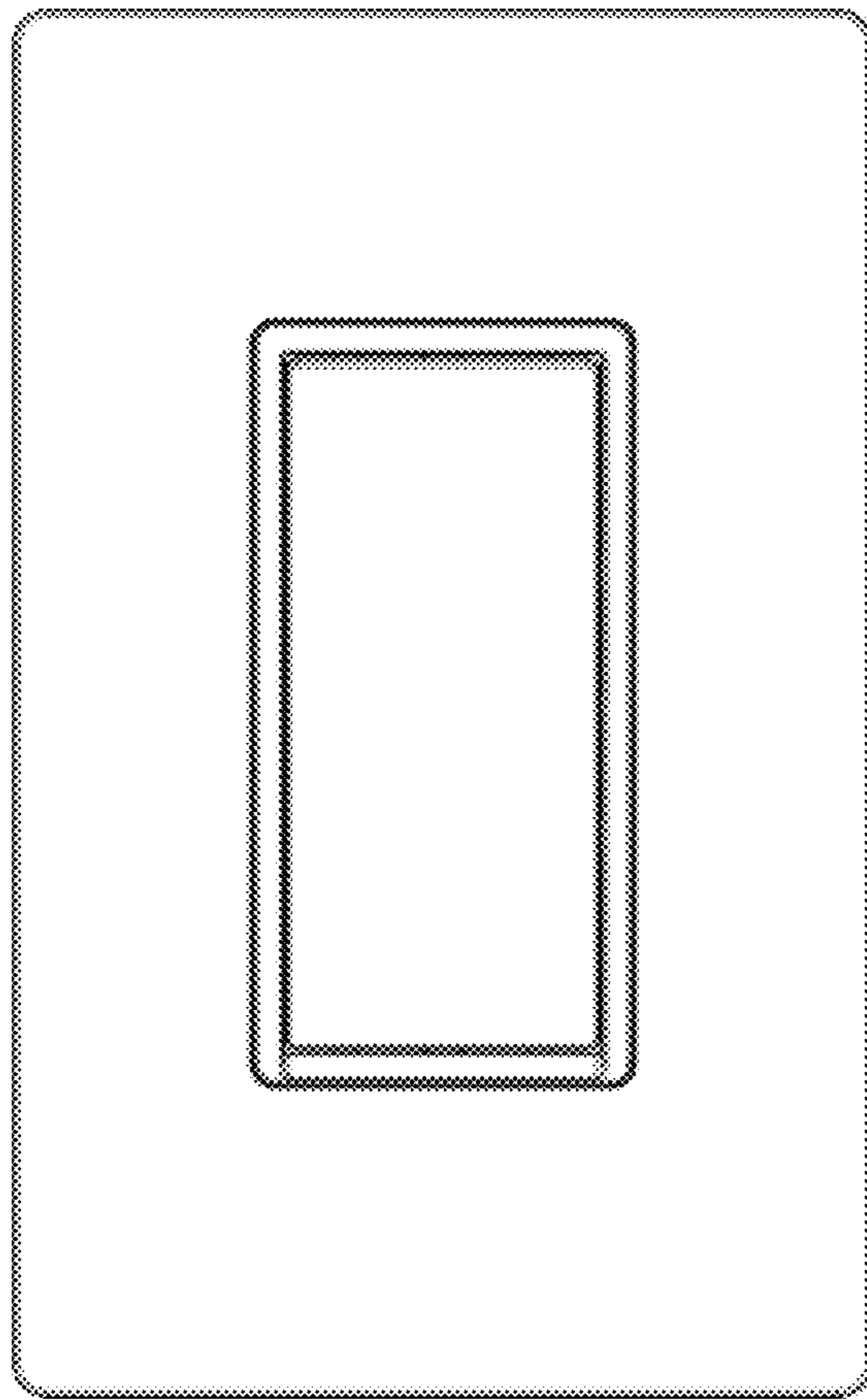


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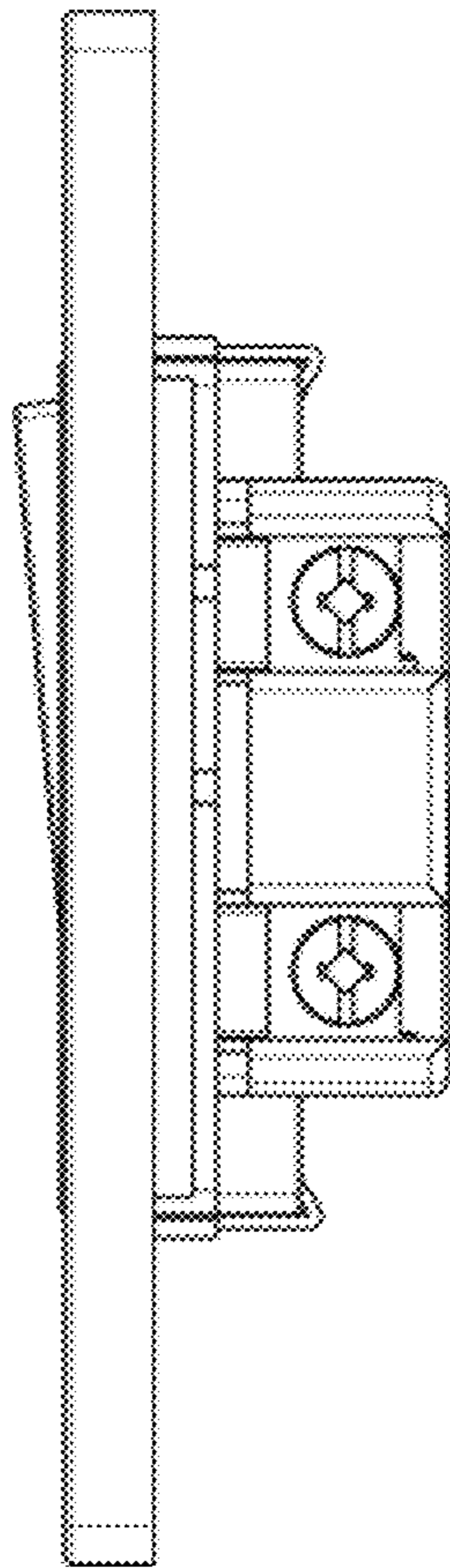


Fig. 32

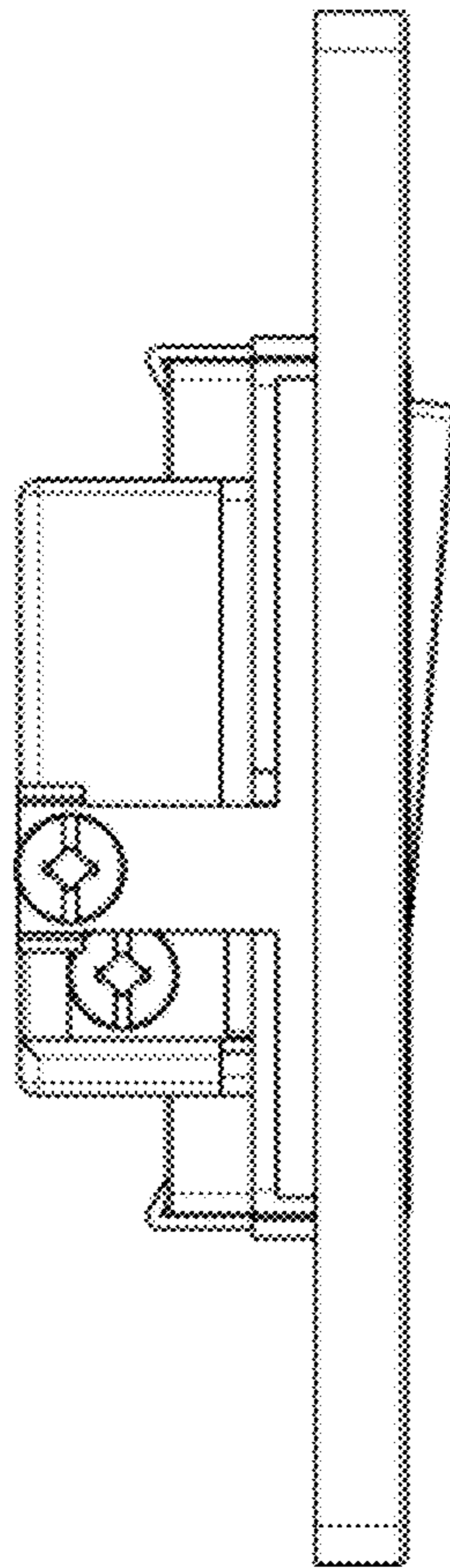


Fig. 33

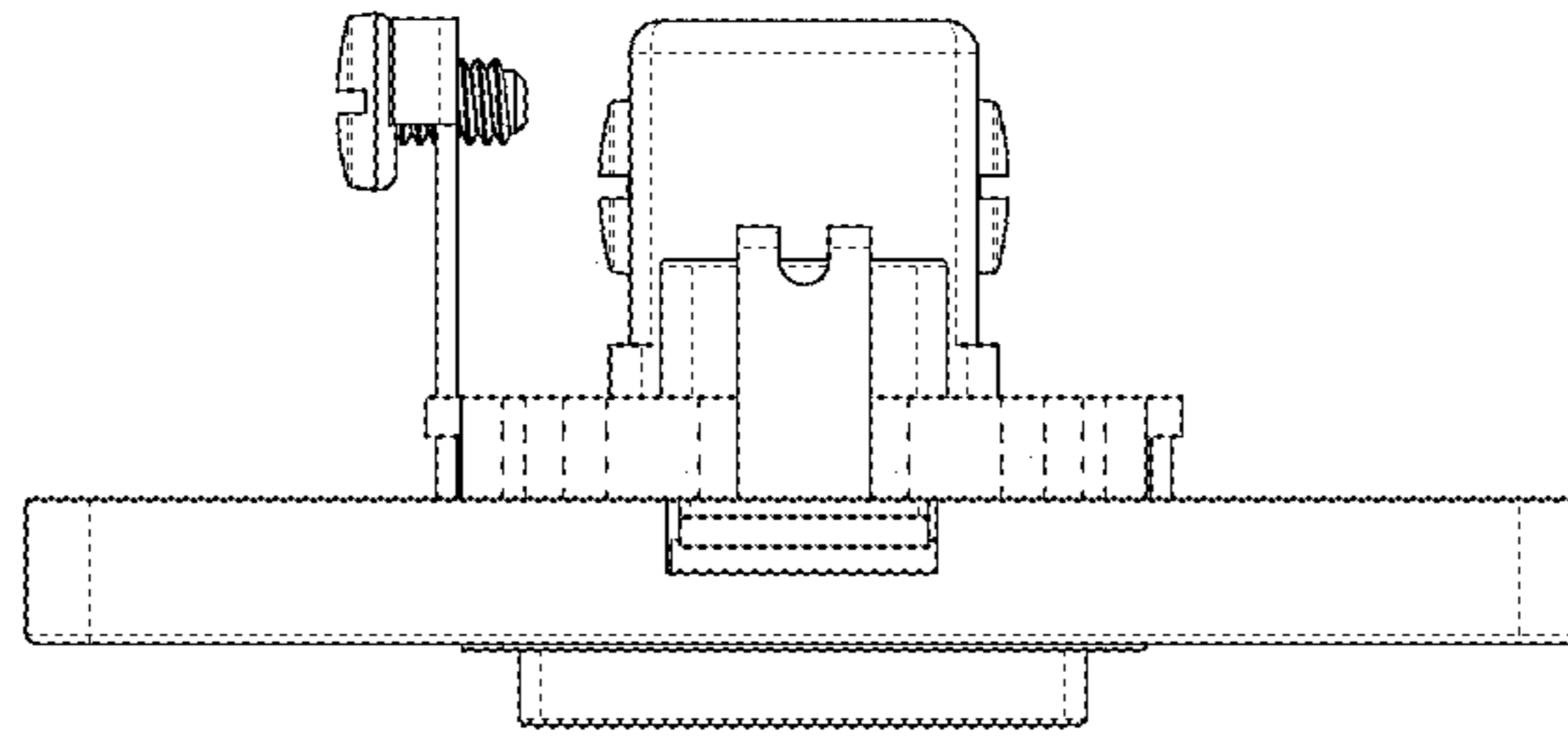


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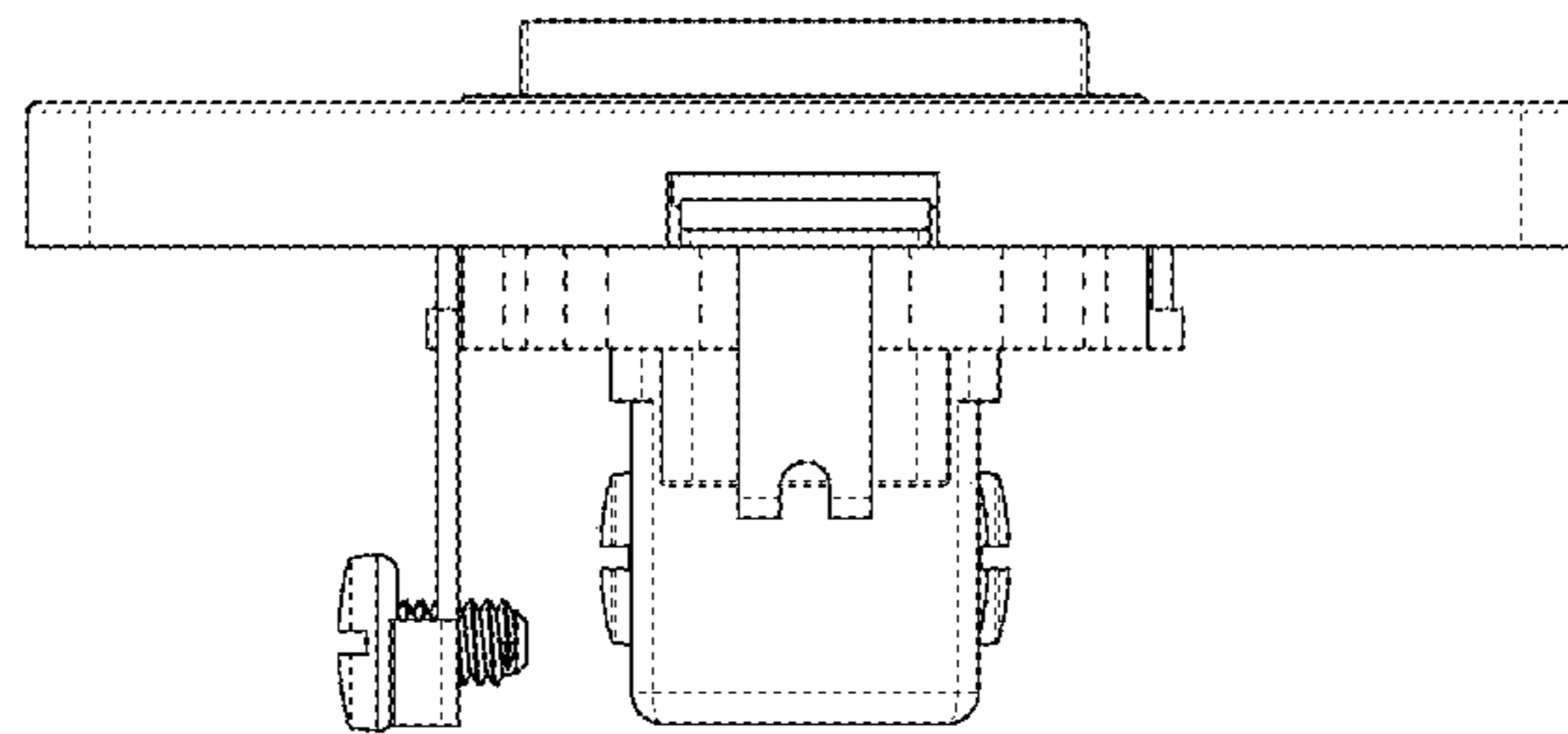


Fig. 35

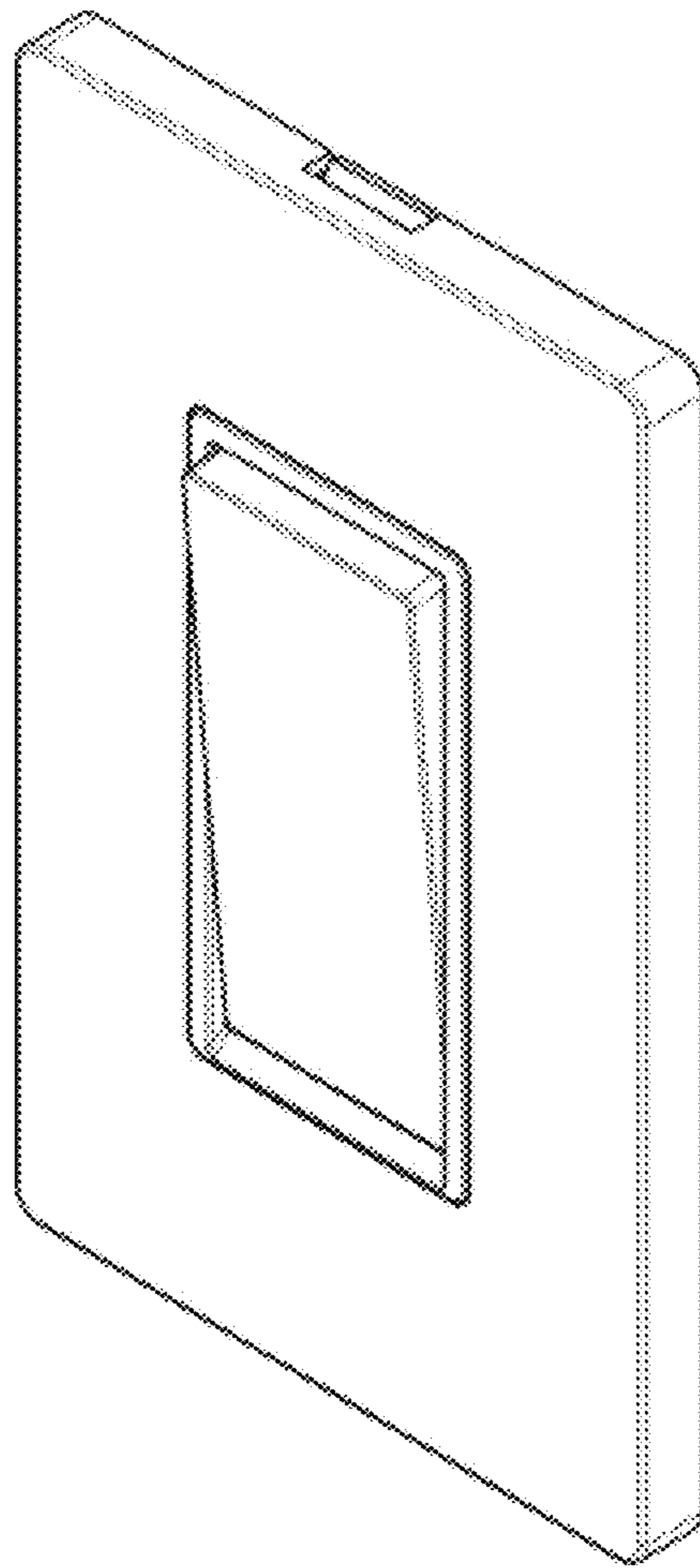


Fig. 36



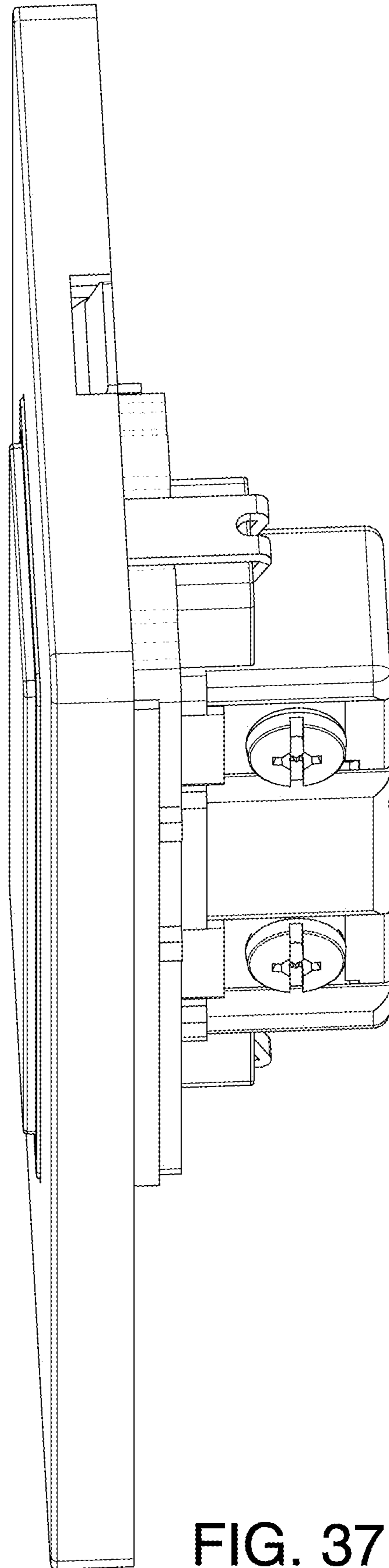


FIG. 37