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

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- (54) **ELECTRICAL BRUSH**
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- (**) Term: **15 Years**
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 - May 11, 2016 (CN) 2016 3 0175043
- (51) **LOC (10) Cl.** **13-01**
- (52) **U.S. Cl.**
USPC **D13/122**
- (58) **Field of Classification Search**
USPC D13/101, 110, 112, 113, 114, 118, 120,
D13/122, 174, 184, 199; D15/5, 143,
D15/148, 199; D23/233; D12/180
CPC H02K 5/148; H02K 11/026; H02K 11/40;
H01R 39/38; F16D 41/04; F16D 65/14;
F16D 2125/40; F16D 2125/48
See application file for complete search history.

- 4,673,837 A * 6/1987 Gingerich H02K 5/148
29/597
- 7,034,430 B2 * 4/2006 Custforth H01R 39/38
310/229
- D528,982 S * 9/2006 Reverberi D13/122
- D533,833 S * 12/2006 Sakai D13/122
- D552,540 S * 10/2007 Miyauchi D13/112
- D571,291 S * 6/2008 Jabaji D13/112
- D573,091 S * 7/2008 Shih D13/112
- D598,377 S * 8/2009 Lannoch D13/122
- D610,987 S * 3/2010 Oohashi D13/112
- D688,627 S * 8/2013 Veeh D13/112
- D709,830 S * 7/2014 Tanaka D13/122

* cited by examiner

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(57) **CLAIM**

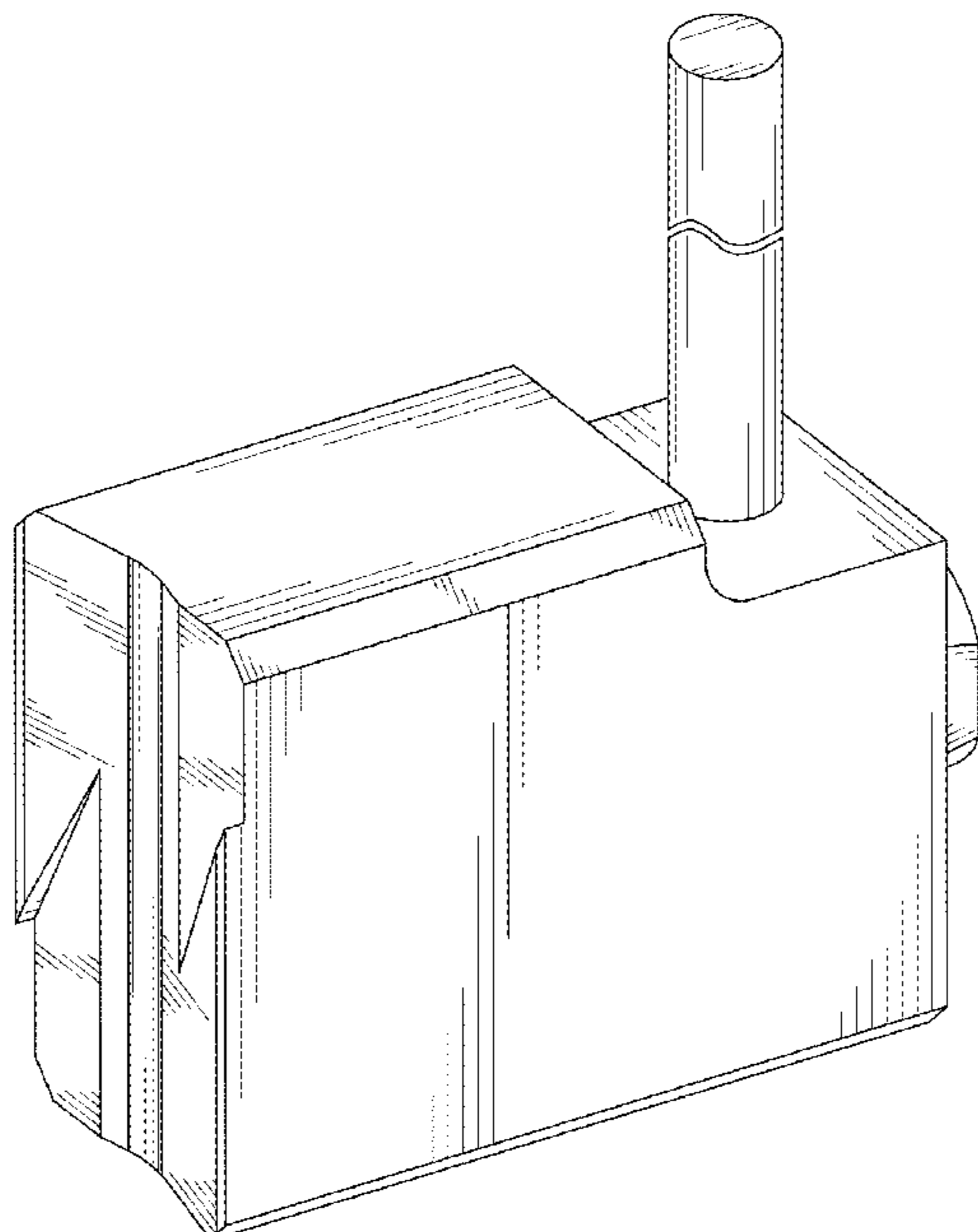
The ornamental design for an electrical brush, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of an electrical brush showing our new design;
FIG. 2 is a right side elevational view thereof;
FIG. 3 is a left side elevational view thereof;
FIG. 4 is a front elevational view thereof;
FIG. 5 is a rear elevational view thereof;
FIG. 6 is a top plan view thereof; and,
FIG. 7 is a bottom plan view thereof.
The electrical brush is shown with a symbolic break in its length. The appearance of any portion of the article between the break lines forms no part of the claimed design.

1 Claim, 7 Drawing Sheets

- (56) **References Cited**
U.S. PATENT DOCUMENTS
D138,289 S * 7/1944 Lear D13/112
D201,862 S * 8/1965 Johnson et al. D13/108



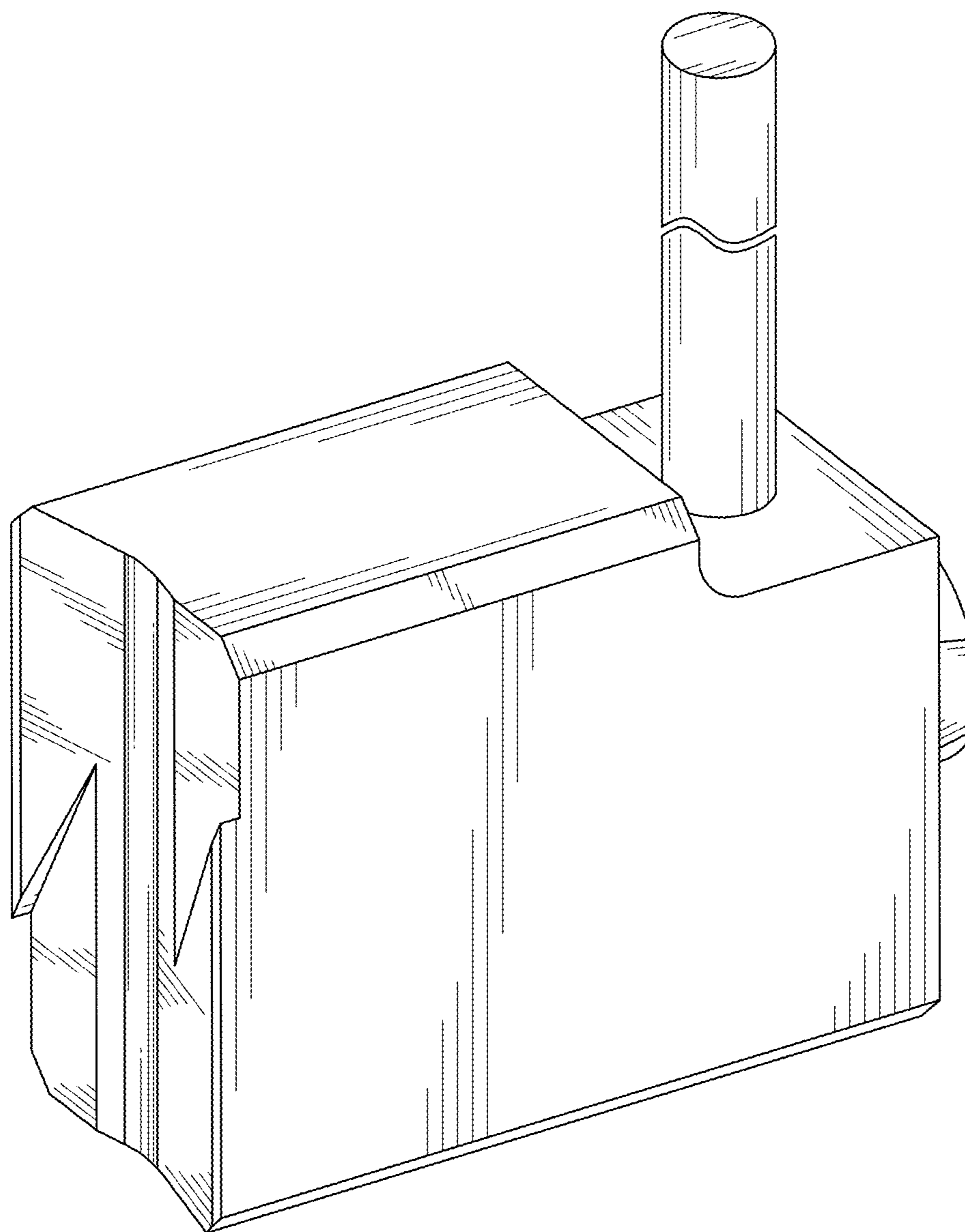


FIG. 1

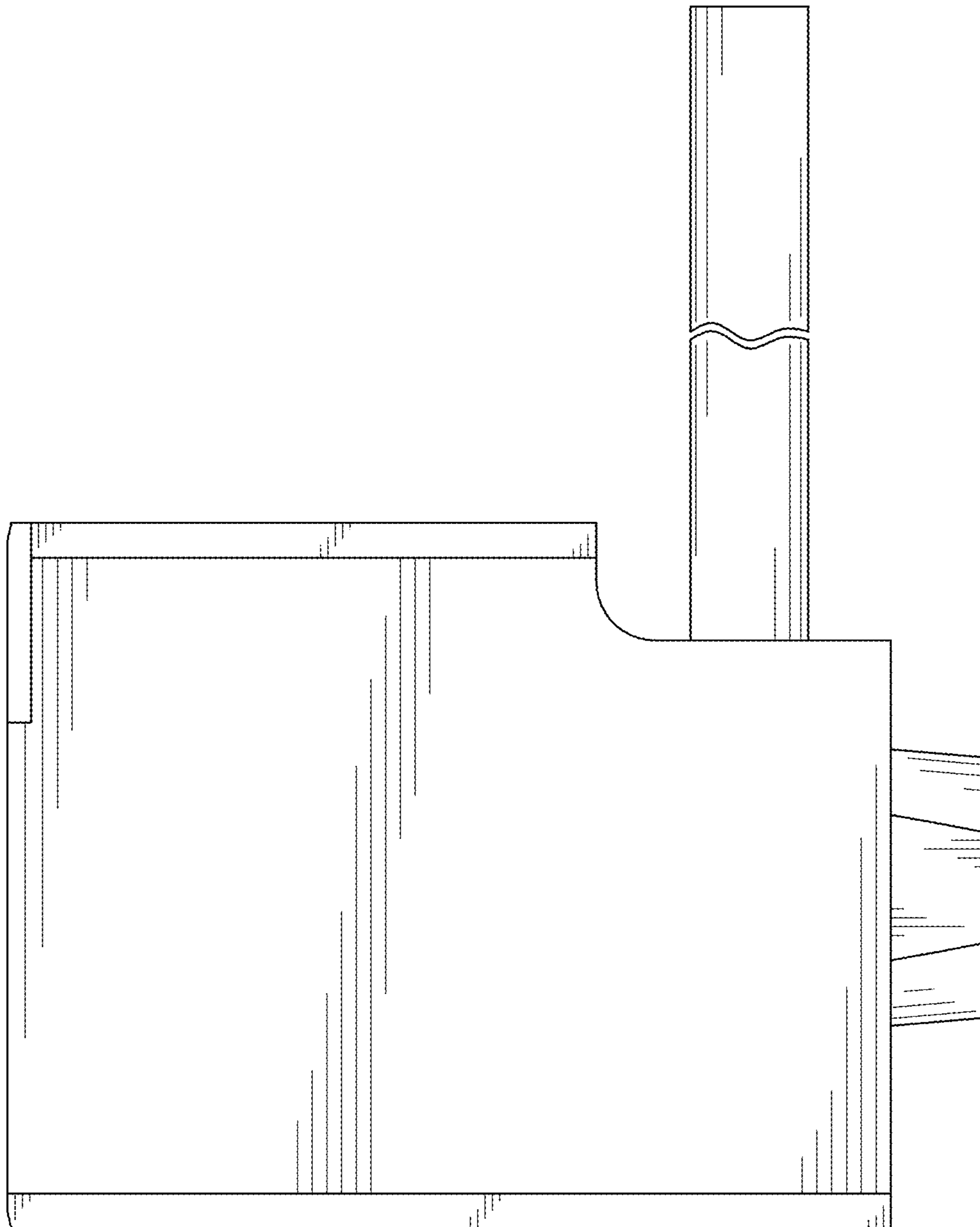


FIG. 2

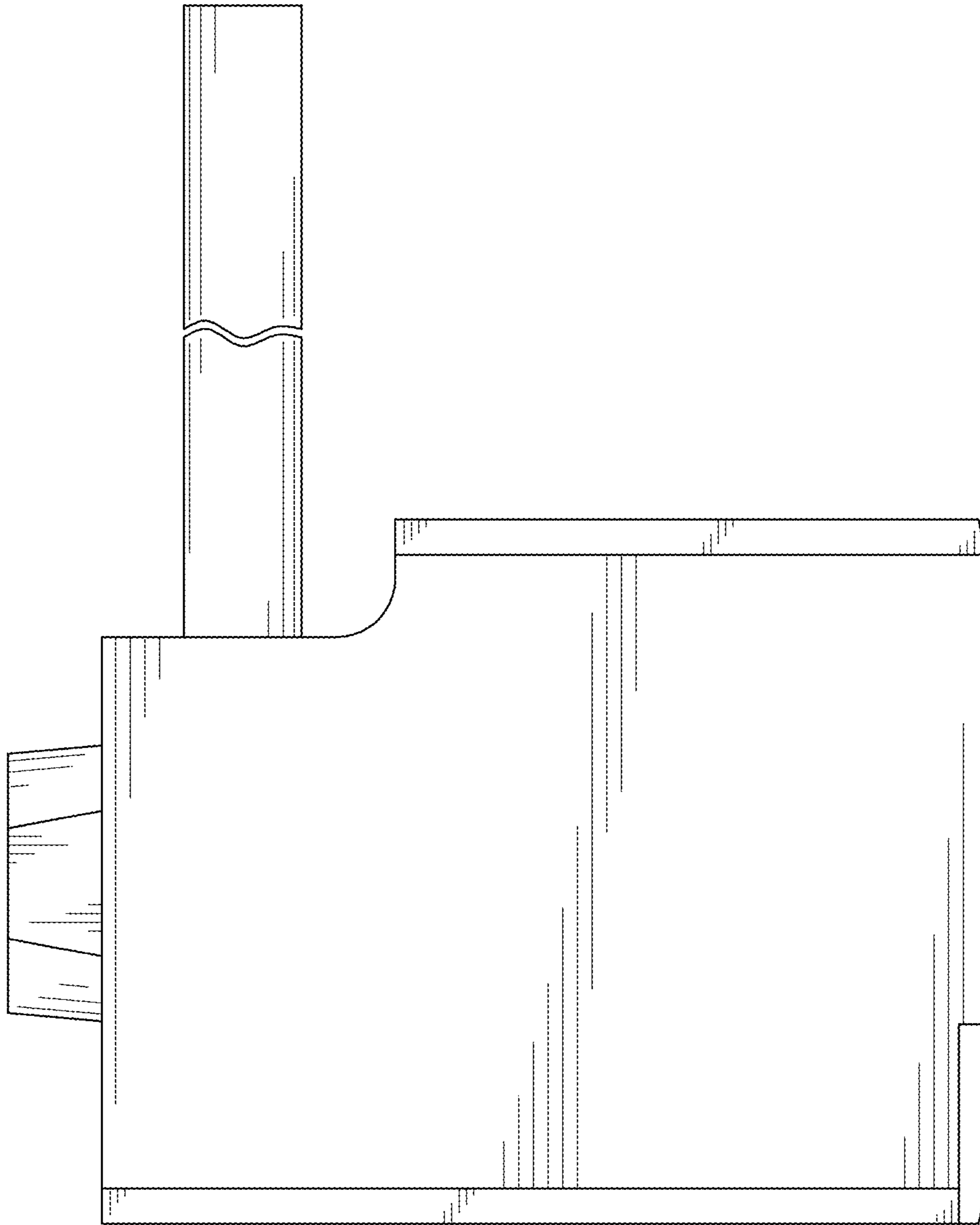


FIG. 3

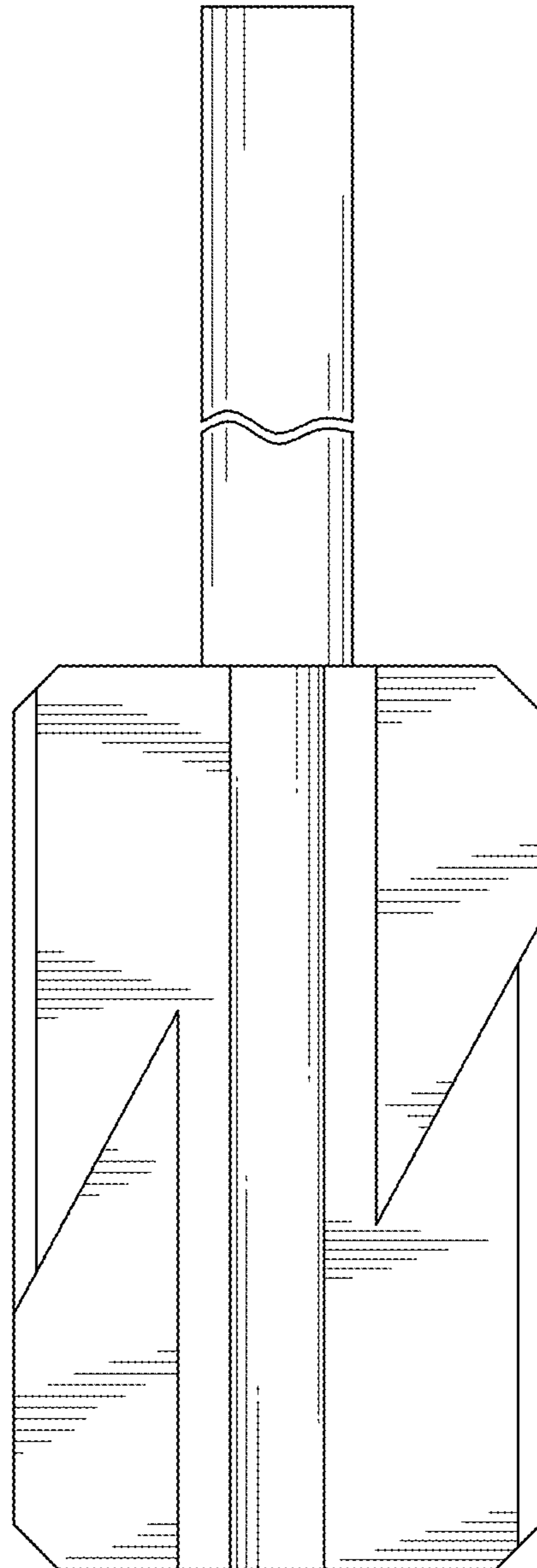


FIG. 4

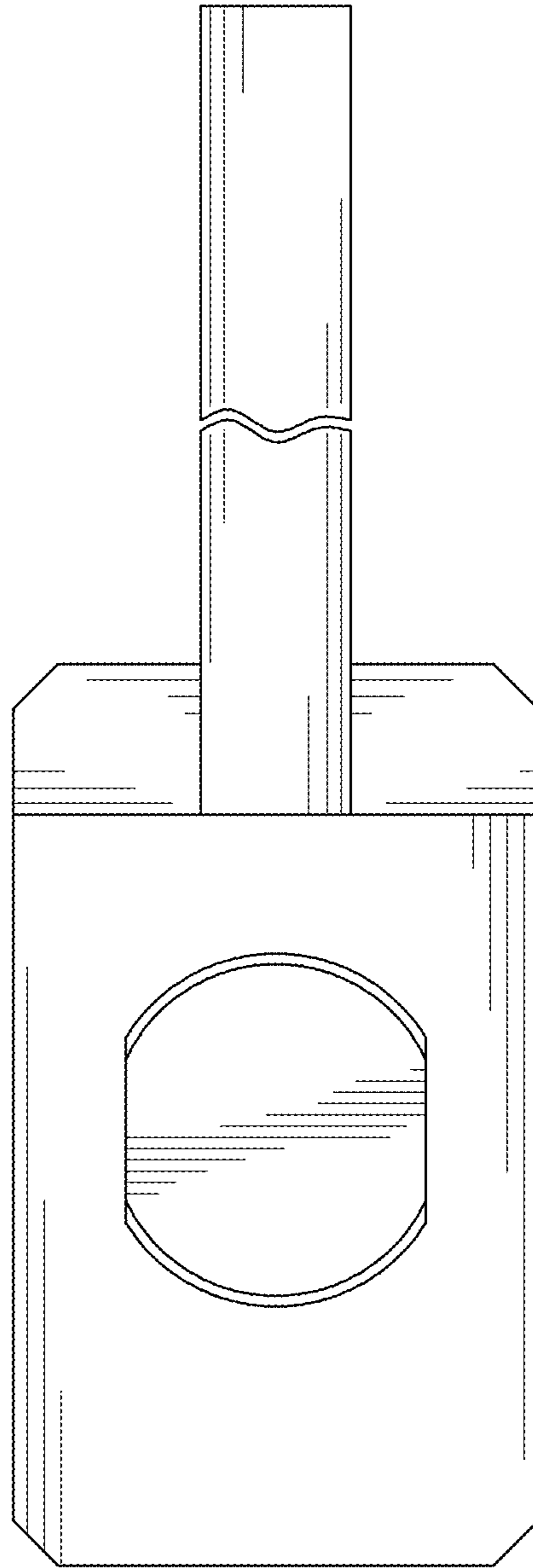


FIG. 5

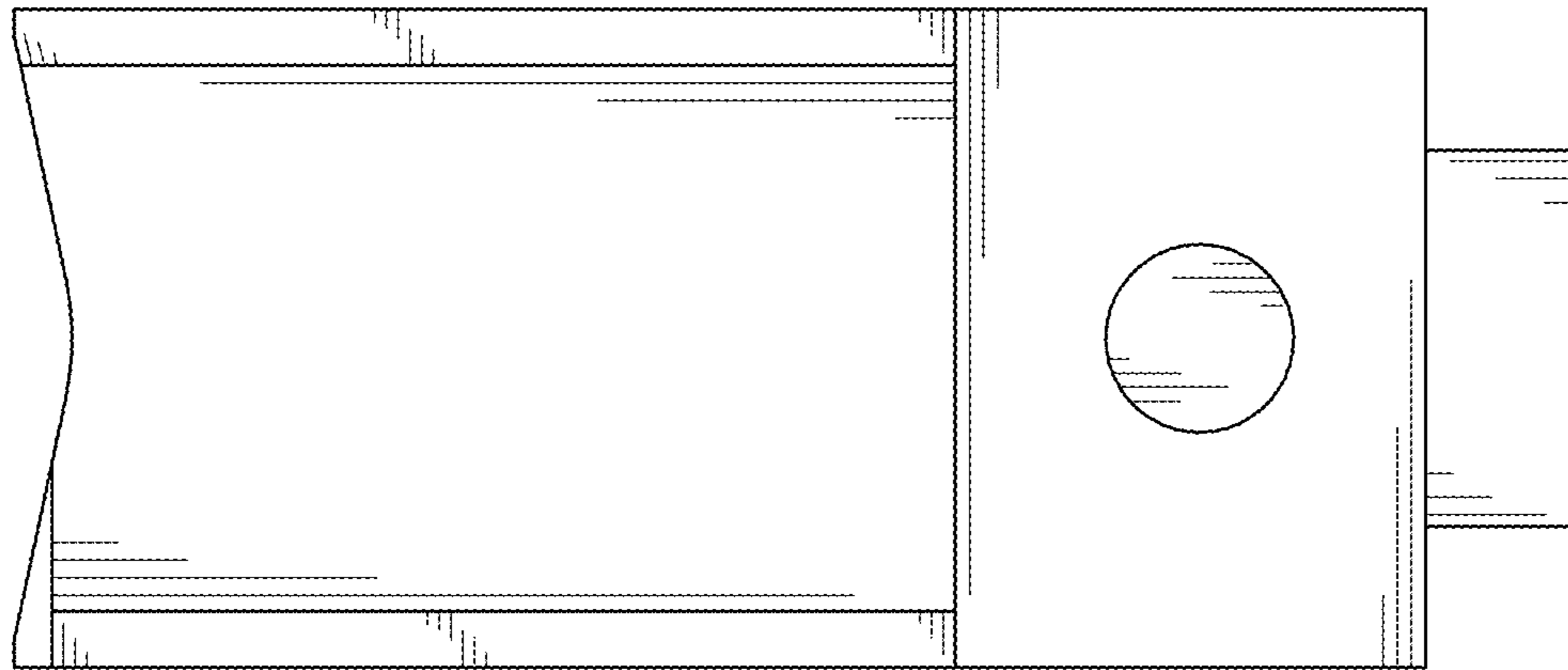


FIG. 6

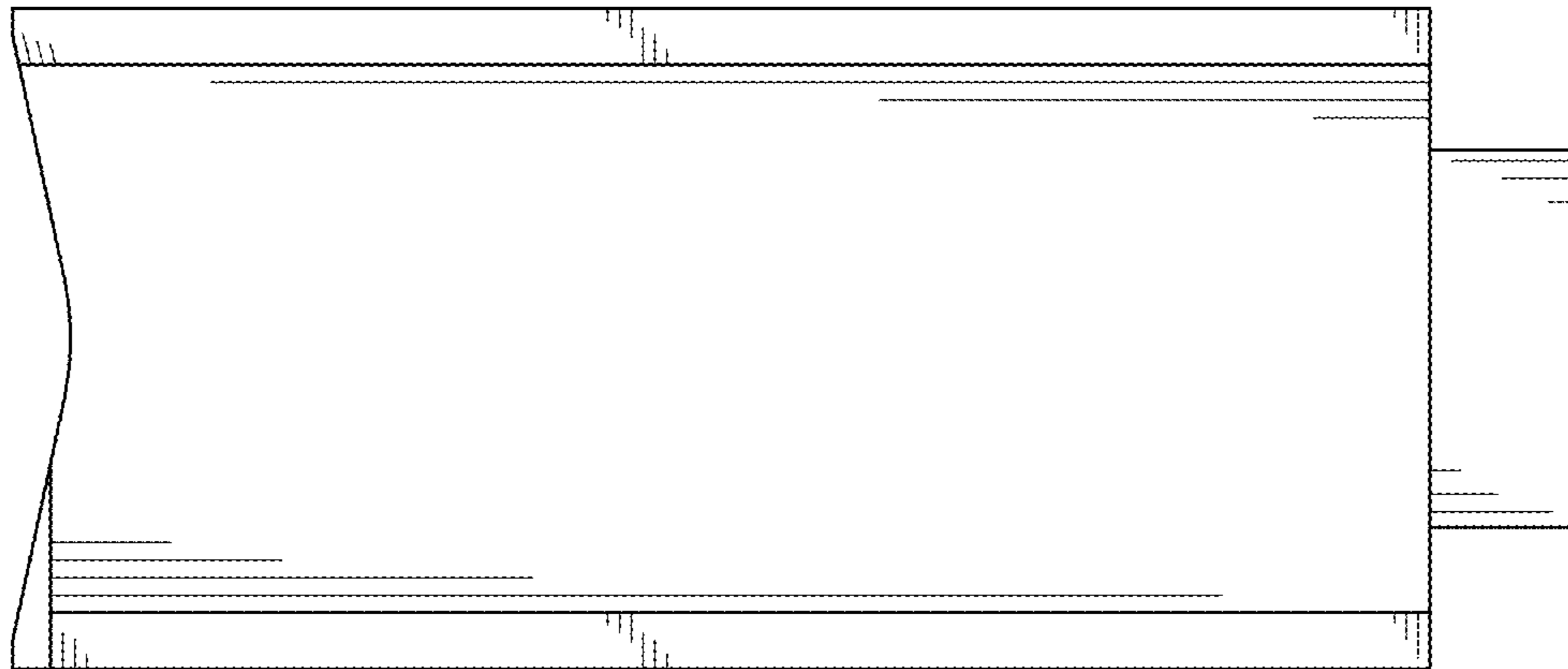


FIG. 7