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

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(54) **SHAFT ATTACHING AND DETACHING DEVICE**

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(73) Assignee: **Tok, Inc.**, Tokyo (JP)

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

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(51) **LOC (13) Cl.** **08-08**

(52) **U.S. Cl.**
USPC **D8/396**

(58) **Field of Classification Search**
USPC D8/14, 330, 331, 339, 343, 344, 363,
D8/382, 383, 385, 386, 394, 396;
D11/182; D22/147
CPC A47K 13/26; E05D 7/10; E05D 7/12
See application file for complete search history.

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Screenshot: SRX—Attach/Detach device [TOK, Inc.] video, 1:01/1:55. Caption “Japan Patent 6400195”. Undated; one page. Found online Aug. 10, 2020 at http://tok-inc.com/en/products/index2.html#wc_anc00005 (Year: 2019).*

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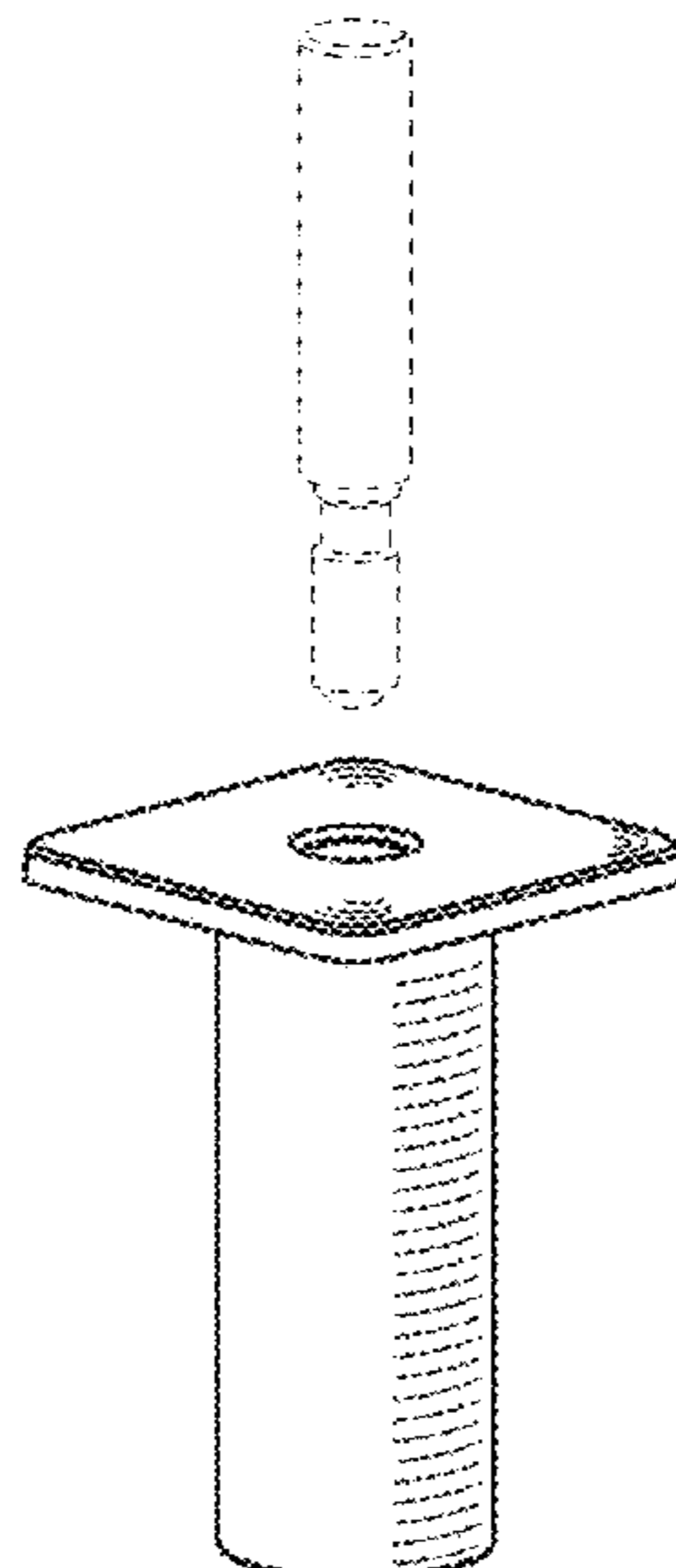
(57) **CLAIM**

The ornamental design for a shaft attaching and detaching device, as shown and described.

DESCRIPTION

FIG. 1.1 is a perspective view of a shaft attaching and detaching device showing our new design; FIG. 1.2 is a front view thereof, the left side view, the right side view and the back side view being omitted as being identical with the front view, respectively; FIG. 1.3 is a top view thereof; FIG. 1.4 is a bottom view thereof; FIG. 1.5 is a perspective view showing detaching; and FIG. 1.6 is a perspective view showing attaching. The broken lines are shown for the purpose of illustrating parts of the article that form no part of the claimed design.

1 Claim, 6 Drawing Sheets



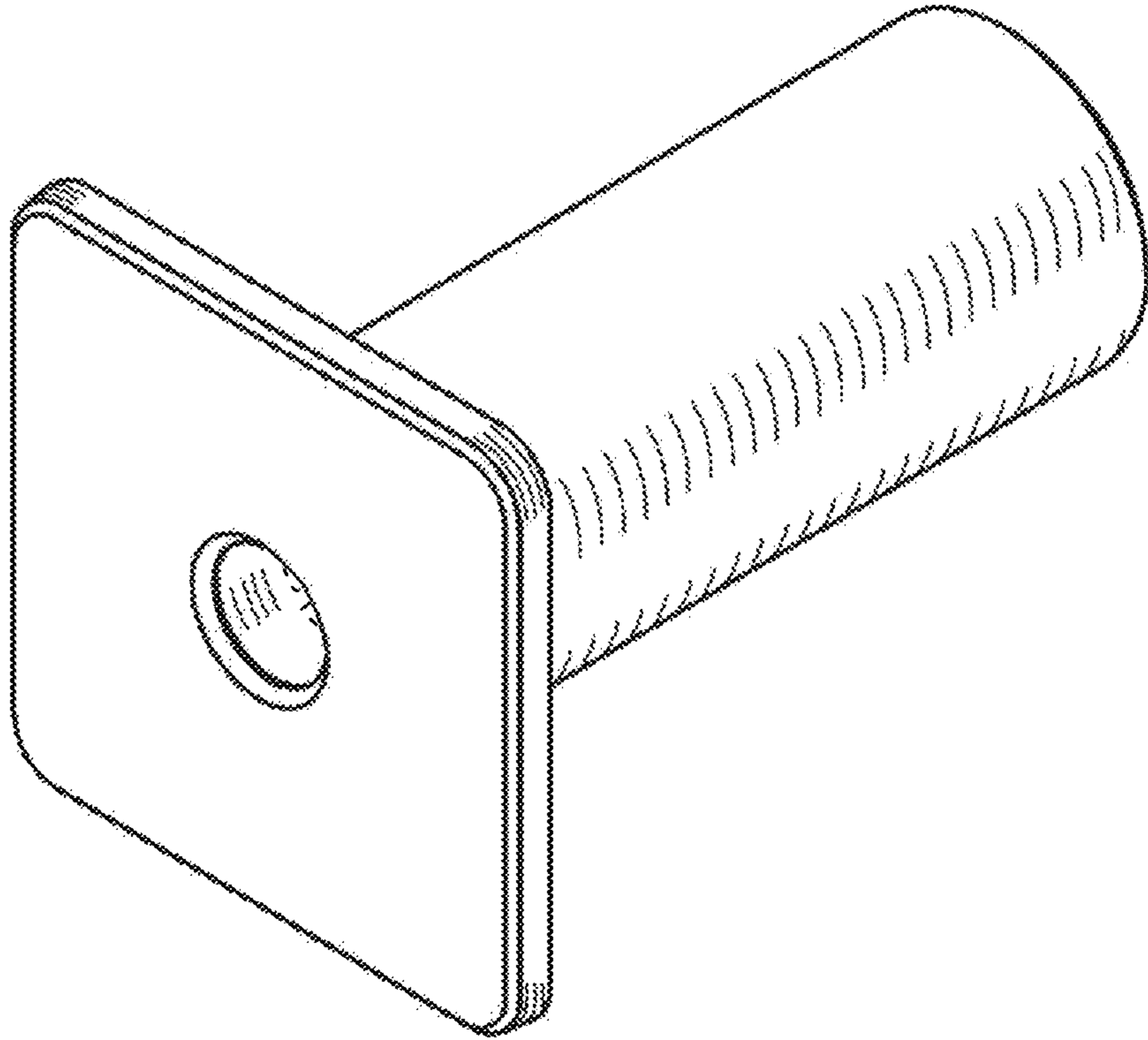


FIG. 1.1

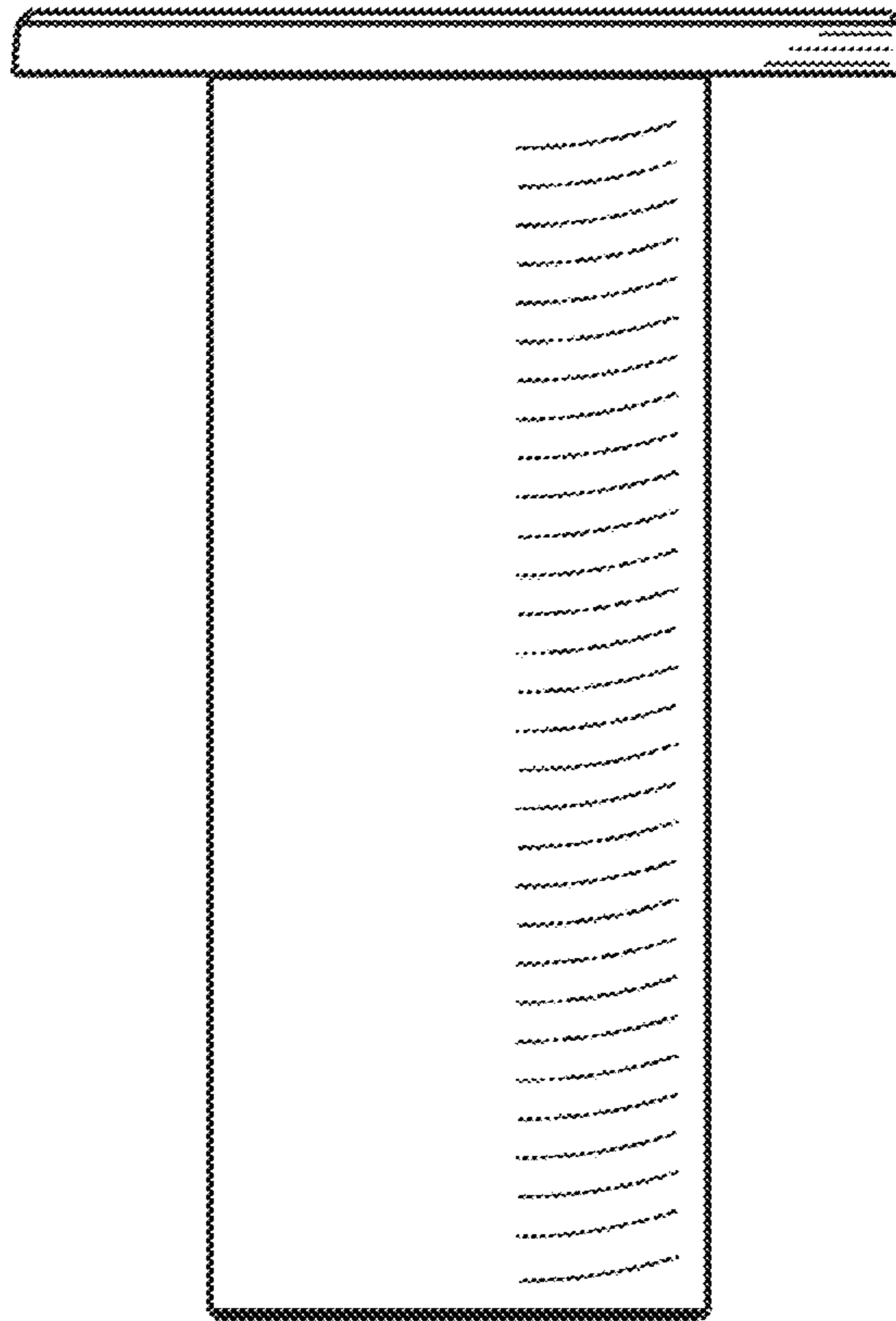


FIG. 1.2

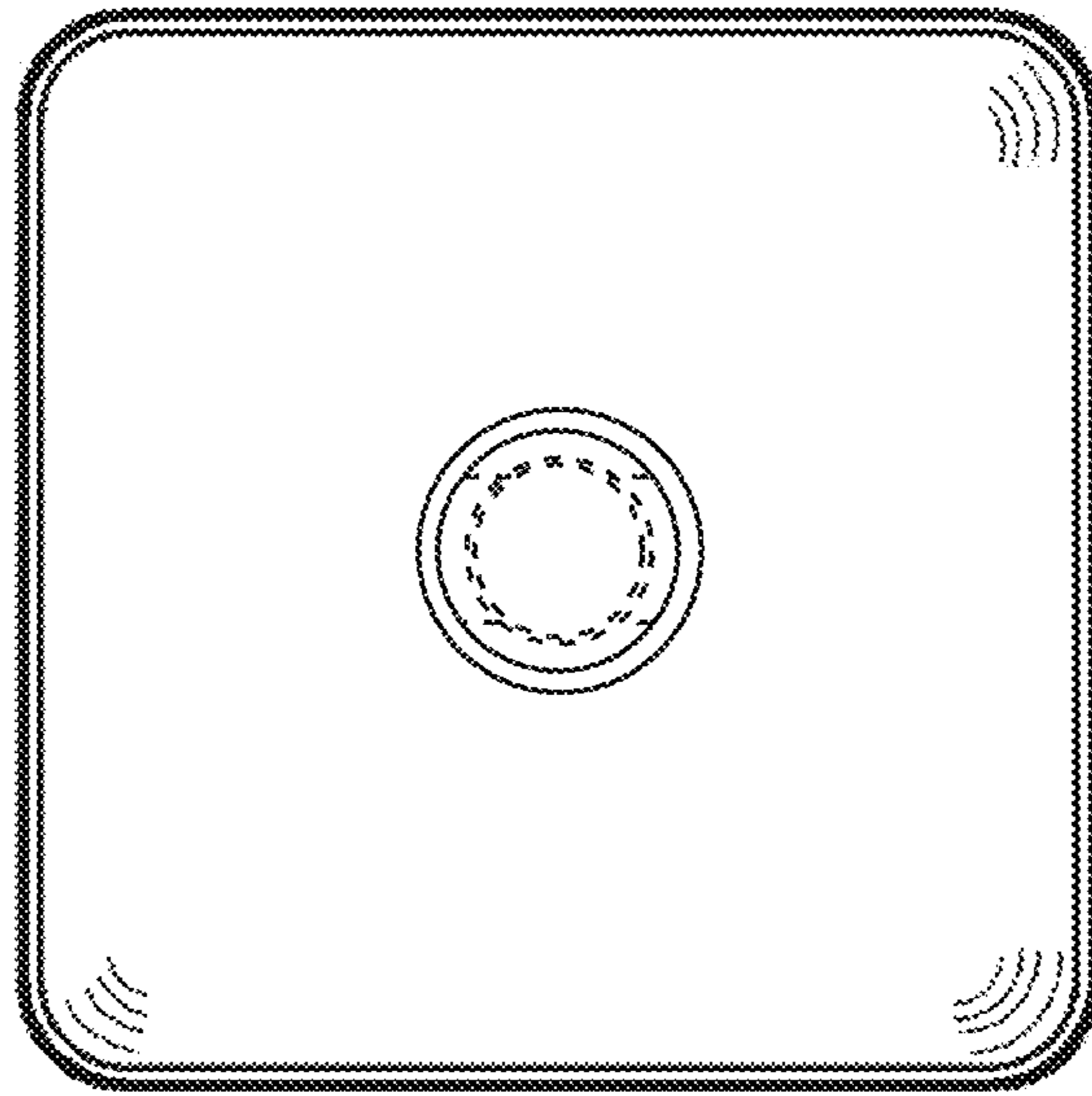


FIG. 1.3

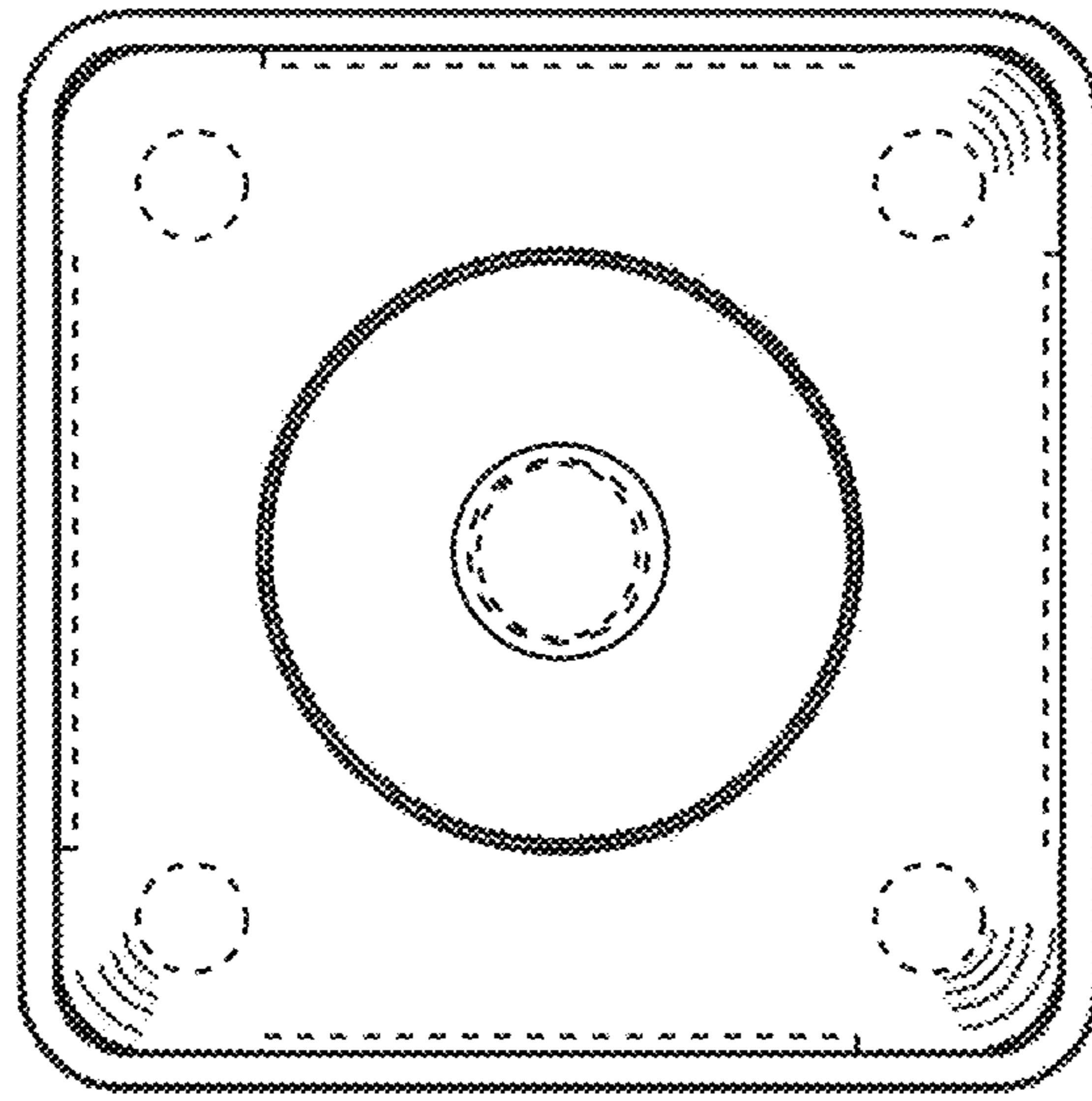


FIG. 1.4

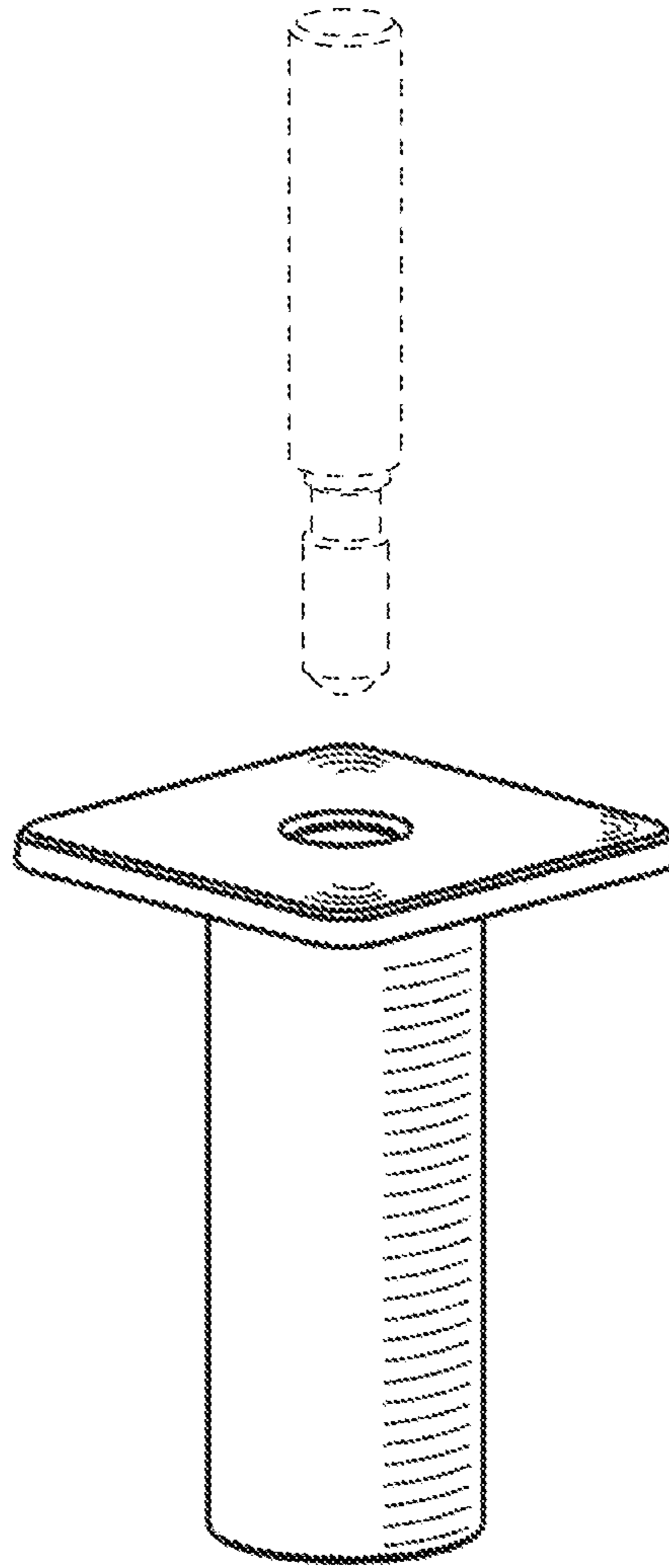


FIG. 1.5

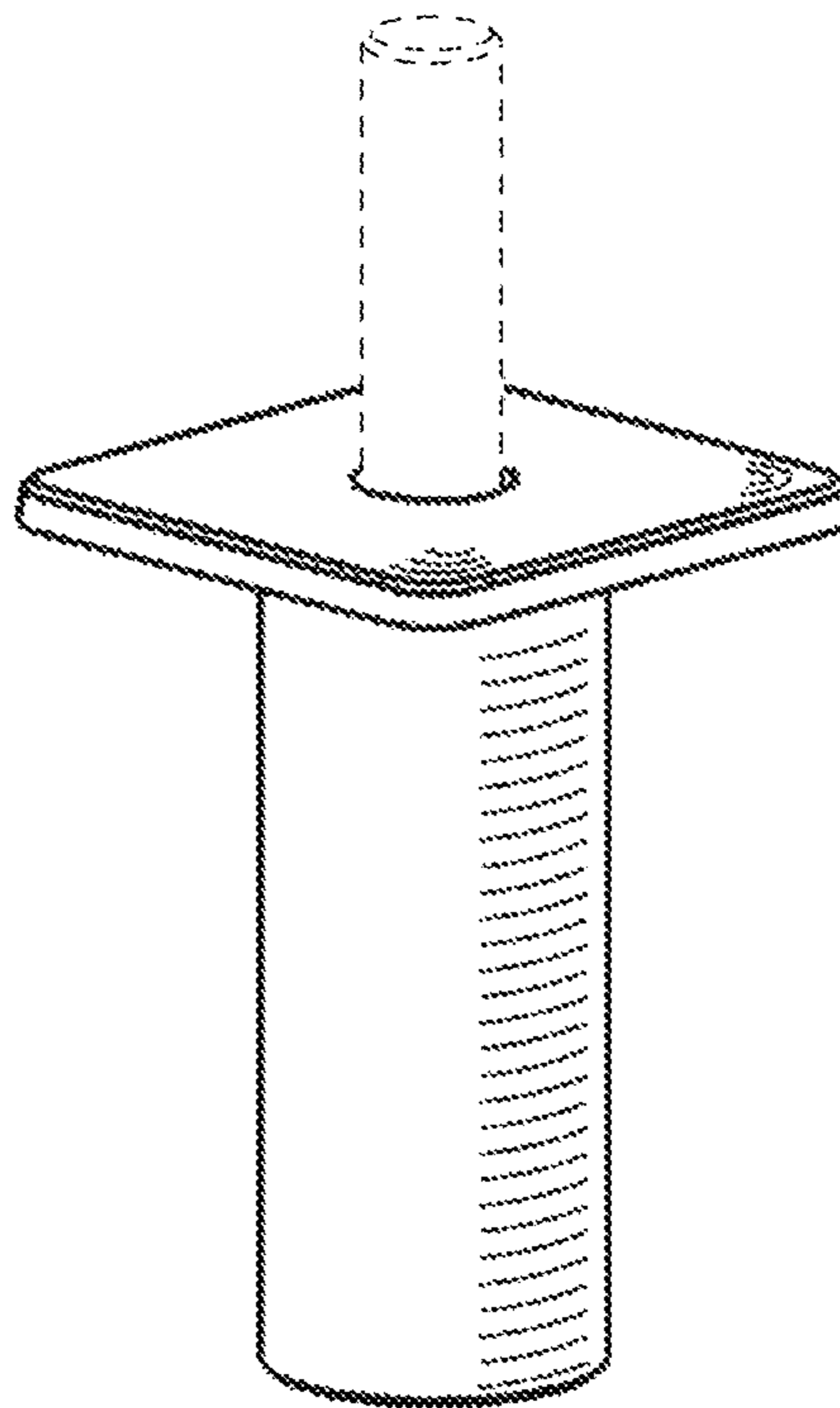


FIG. 1.6