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

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(54) **DYNAMIC RING CLASSIFIER FOR A COAL PULVERIZER**

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(\*\*) Term: **14 Years**

L.M. Benson, C.A. Penterson, A. Comparison of Three Types of Coal Pulverizers, Presented to American Power Conference, Chicago, Illinois, Apr. 22-24, 1985, (8 pages, Riley Stoker Corporation, Worcester, Mass).

(21) Appl. No.: **29/289,038**

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**Related U.S. Application Data**

(57) **CLAIM**

(63) Continuation of application No. 11/405,232, filed on Apr. 17, 2006, now Pat. No. 7,240,868, which is a continuation of application No. 10/699,982, filed on Nov. 3, 2003, now Pat. No. 7,028,931.

The ornamental design for a dynamic ring classifier for a coal pulverizer, as shown and described in the attached specification.

(51) **LOC (8) Cl.** ..... **15-09**

**DESCRIPTION**

(52) **U.S. Cl.** ..... **D15/123**

FIG. 1 is a perspective view of a classifier assembly according to an embodiment of the present invention.

(58) **Field of Classification Search** ..... D15/123,  
D15/126, 138, 139; 209/134, 139.1, 713;  
241/52, 56, 61, 79.1, 80, 82, 188.1, 188.2,  
241/190, 194, 197, 300; 251/214, 305; 277/399;  
384/147, 207

FIG. 2 is a rear view of the classifier assembly of FIG. 1, illustrating the adjustable flange, radially outward extending elongate arms, rotator and stator.

See application file for complete search history.

FIG. 3 is a section of the stator and rotator portions of the classifier assembly of FIG. 1 within an enlarged partial detailed view, illustrating the labyrinth seal formed by the stator and rotator; and,

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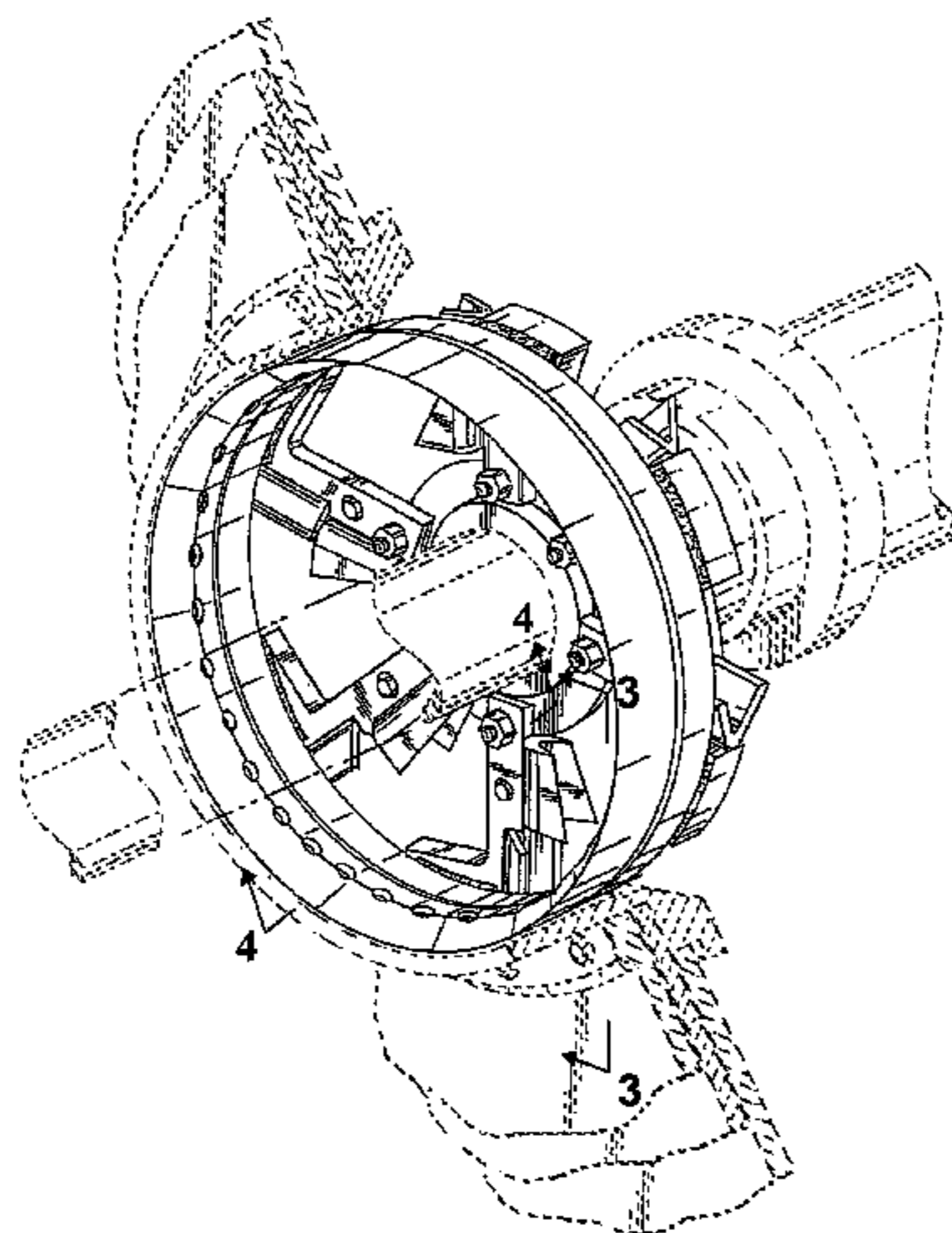
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FIG. 4 is a section of the stator and rotator portions of the classifier assembly of FIG. 1 within an enlarged partial detailed view, illustrating the stator and rotator in cross section forming a labyrinthian seal.

The broken lines showing are for illustrative purposes only, to show the environment of the dynamic ring classifier in a coal pulverizer, and form no part of the claimed design.

**1 Claim, 4 Drawing Sheets**



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Fig. 1

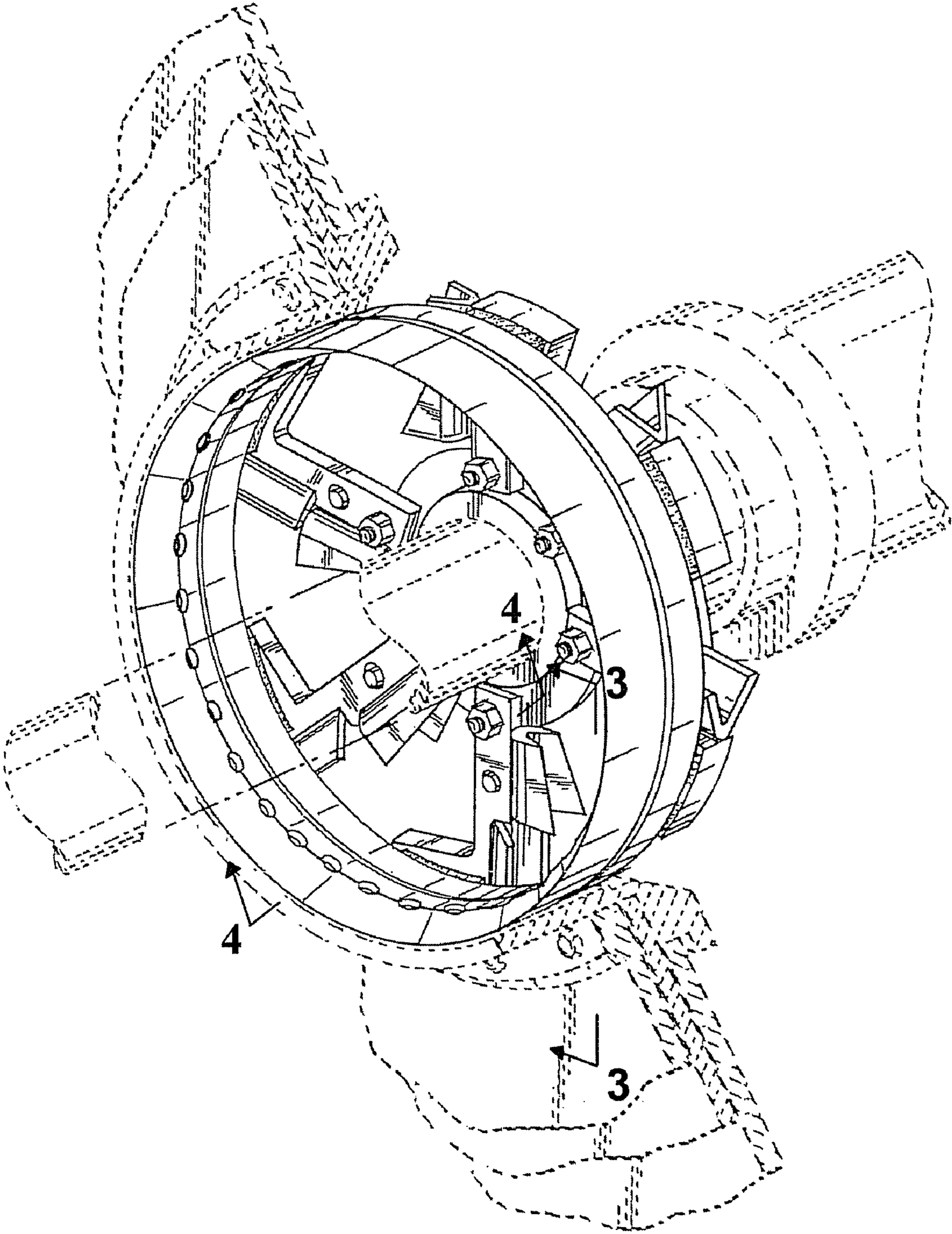




Fig. 2

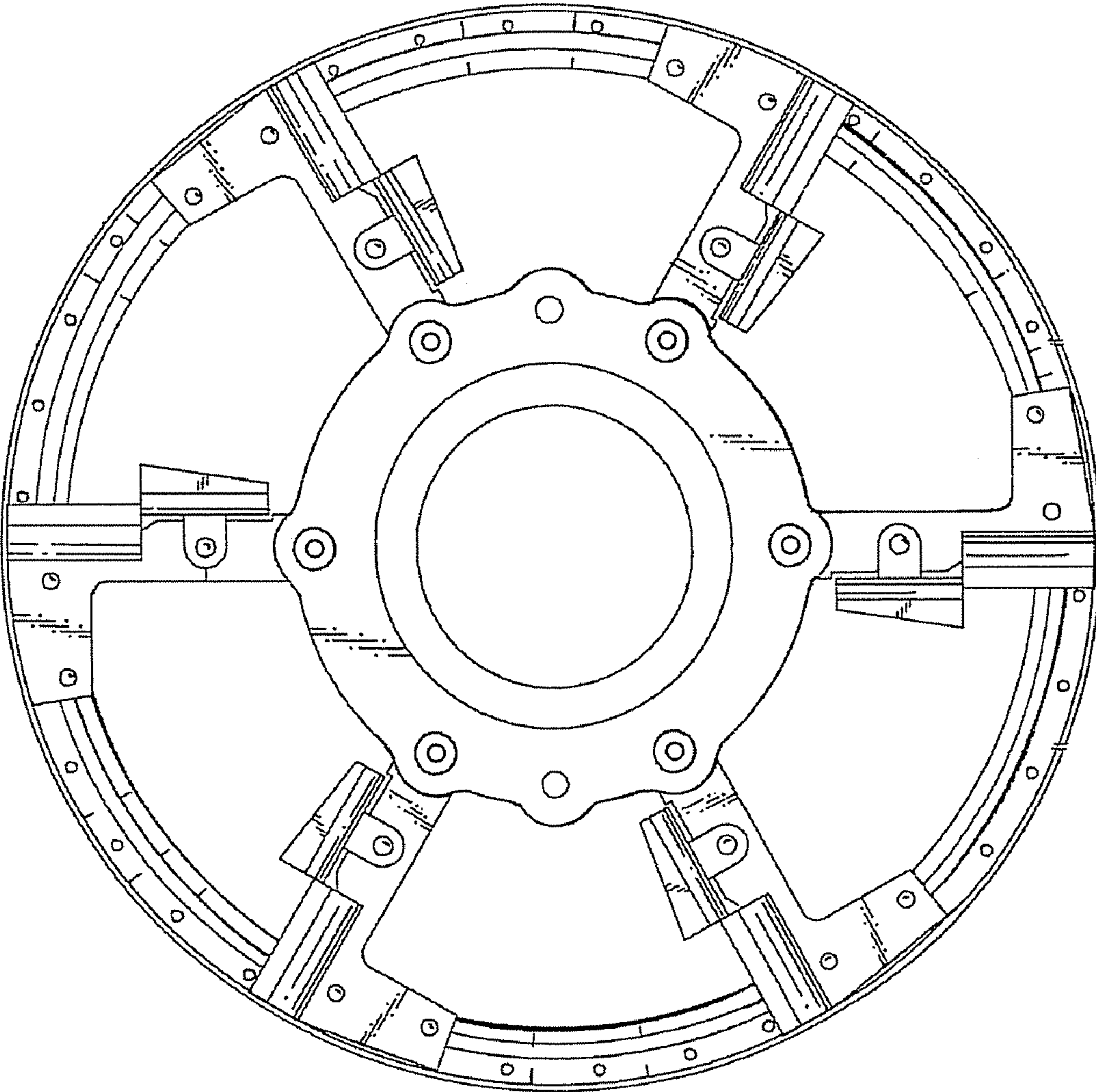
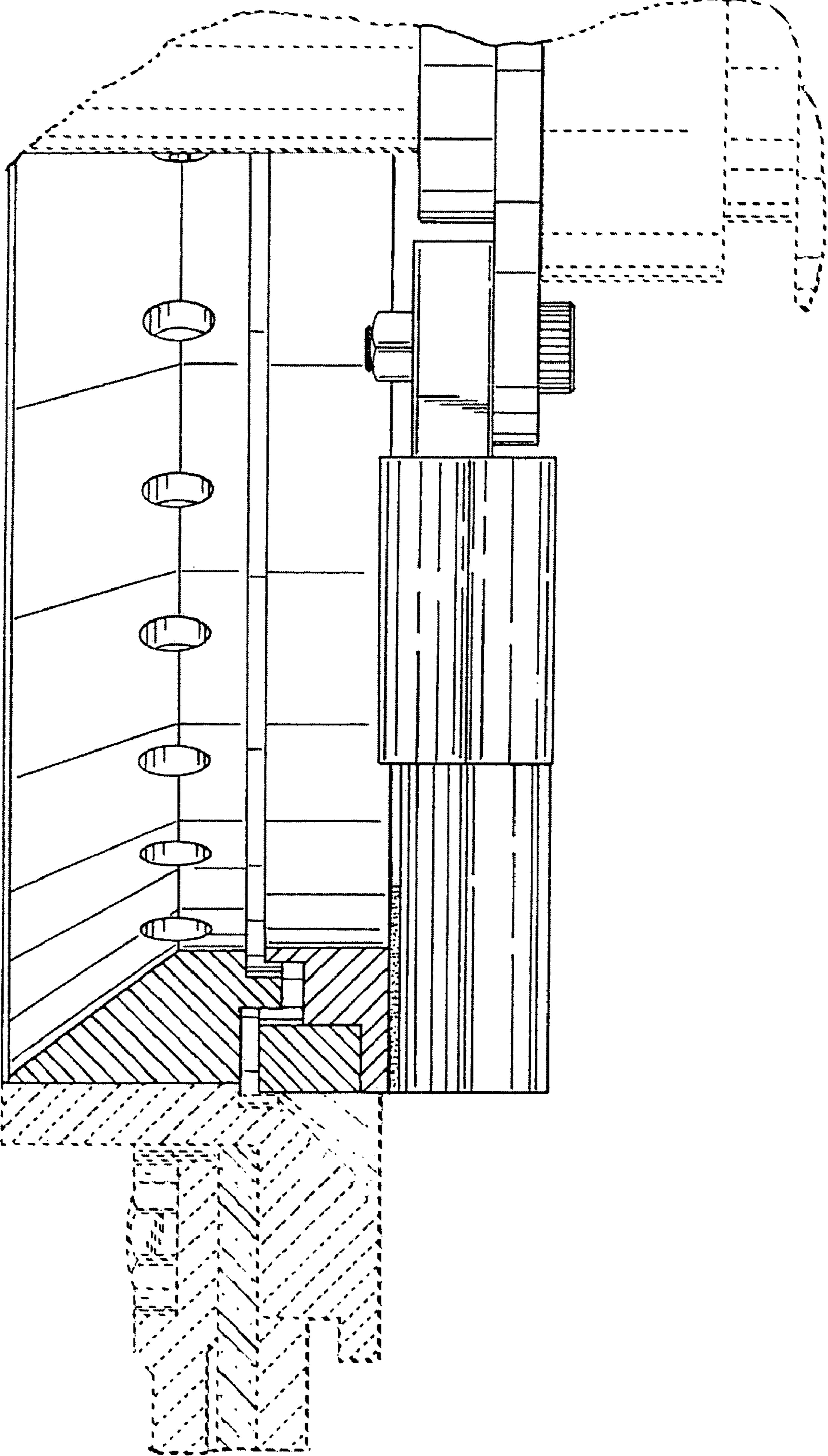


Fig. 3



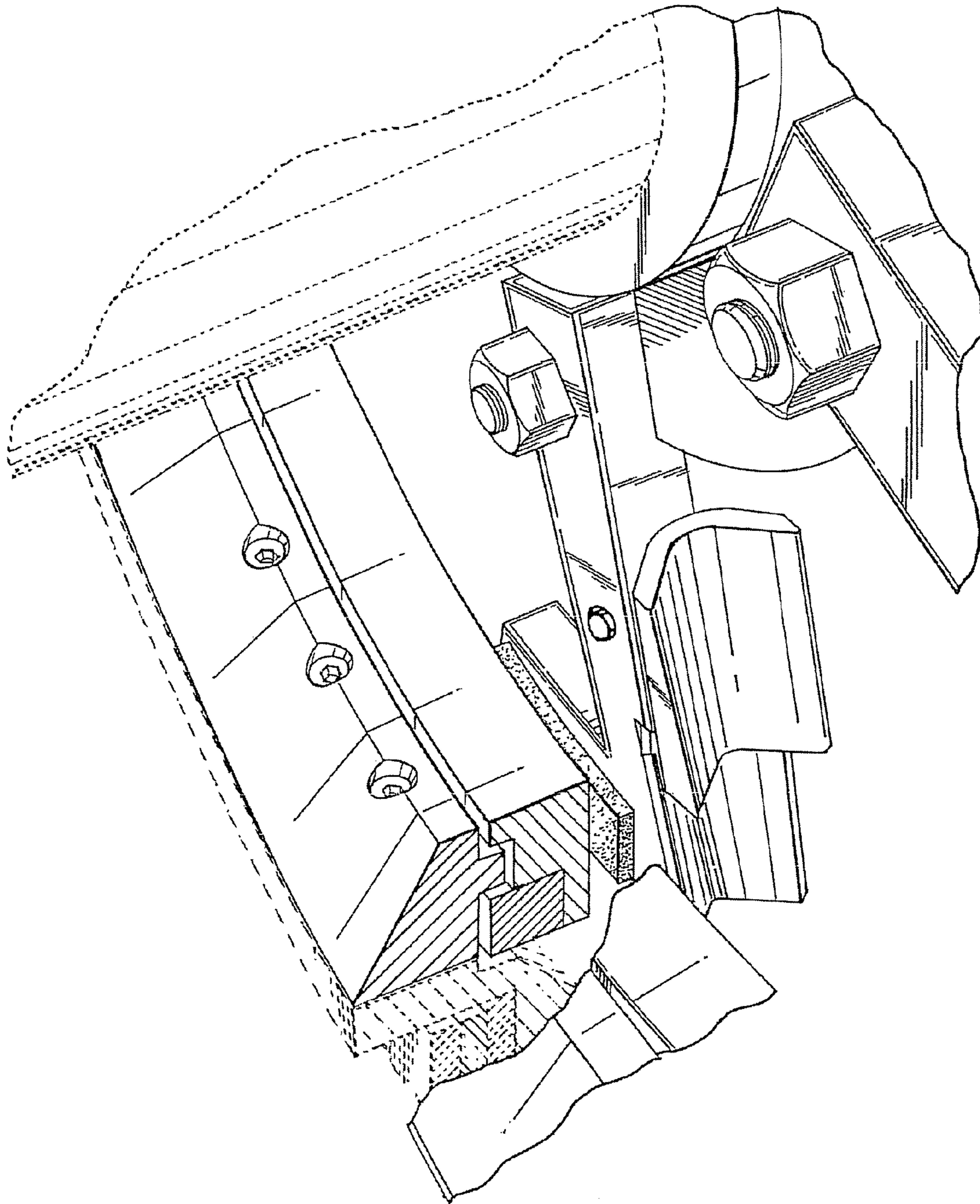


Fig. 4