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# United States Patent [19]

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Black et al.

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[54] SINGLE-DIRECTION DIVERTING PUSHER ELEMENT FOR A SORTING CONVEYOR

5,595,279 1/1997 Wilkins et al. .

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### [57] CLAIM

[\*\*] Term: 14 Years

The ornamental design for a single-direction diverting pusher element for a sorting conveyor, as shown and described.

[21] Appl. No.: 29/083,398

### DESCRIPTION

[22] Filed: Jan. 9, 1998

FIG. 1 is a top, front and right side perspective view of the right hand single-direction diverting pusher element for a sorting conveyor of the present invention showing our new design

[51] LOC (6) Cl. .... 12-05

[52] U.S. Cl. .... D34/29

FIG. 2 is a left side elevational view of the pusher element of FIG. 1.

[58] Field of Search ..... D34/29, 35; 198/370.02, 198/890, 890.1, 367, 440, 456

FIG. 3 is a top plan view of the pusher element of FIG. 1. FIG. 4 is a right side elevational view of the pusher element of FIG. 1.

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FIG. 5 is a front elevational view of the pusher element of FIG. 1.

FIG. 6 is a rear elevational view of the pusher element of FIG. 1.

FIG. 7 is a top, front and left side perspective view of a second embodiment of the present invention showing our new design.

FIG. 8 is a right side elevational view of the pusher element of FIG. 7.

FIG. 9 is a top plan view of the pusher element of FIG. 7.

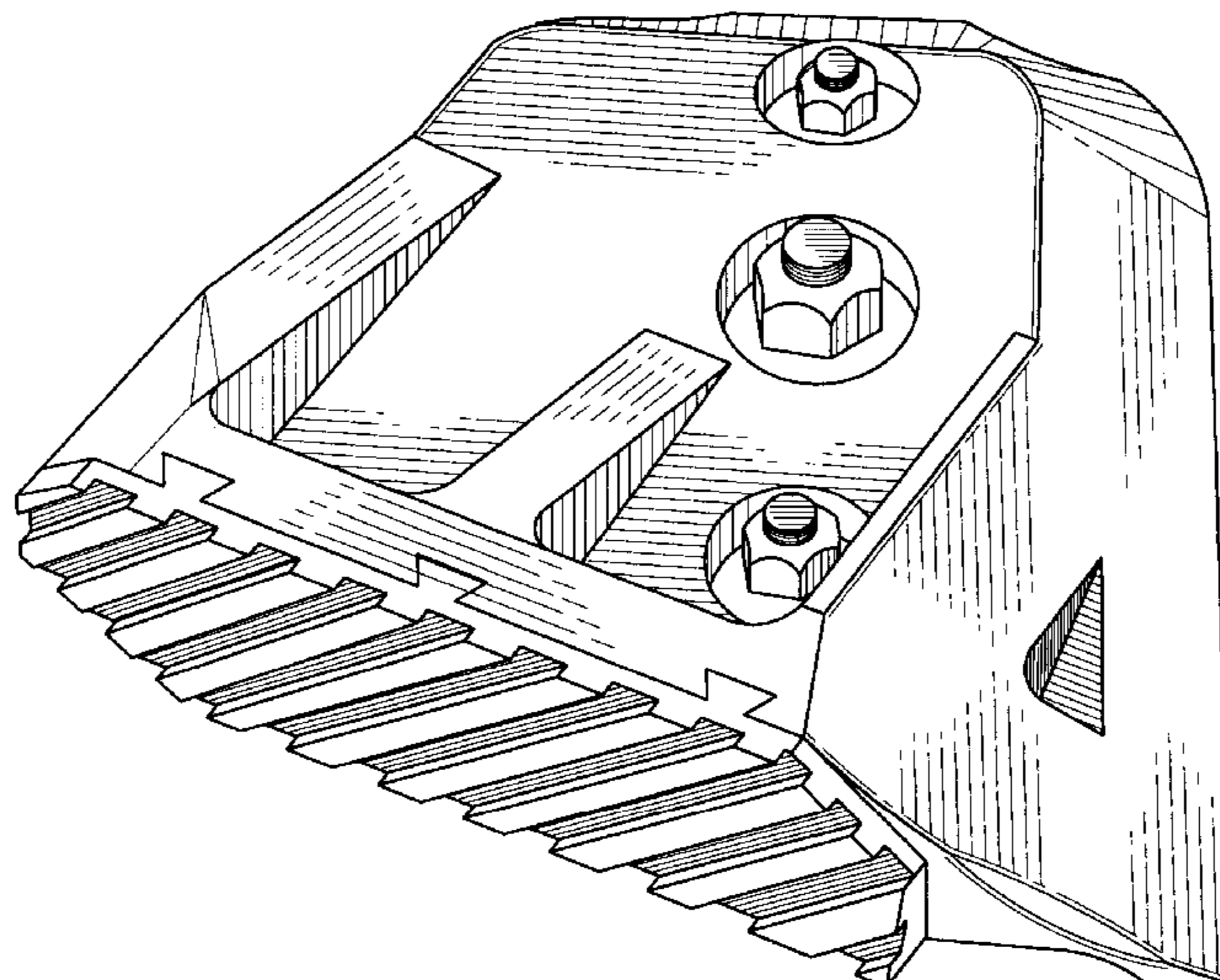
FIG. 10 is a left side elevational view of the pusher element of FIG. 7.

FIG. 11 is a front elevational view of the pusher element of FIG. 7; and,

FIG. 12 is a rear view of the pusher element of FIG. 7.

The pusher element of FIGS. 7 through 12 is an identical mirror image of the pusher element of FIGS. 1 through 6. The bottom of the pusher element varies with the type of pusher element mount used and does not constitute a part of the invention.

1 Claim, 6 Drawing Sheets



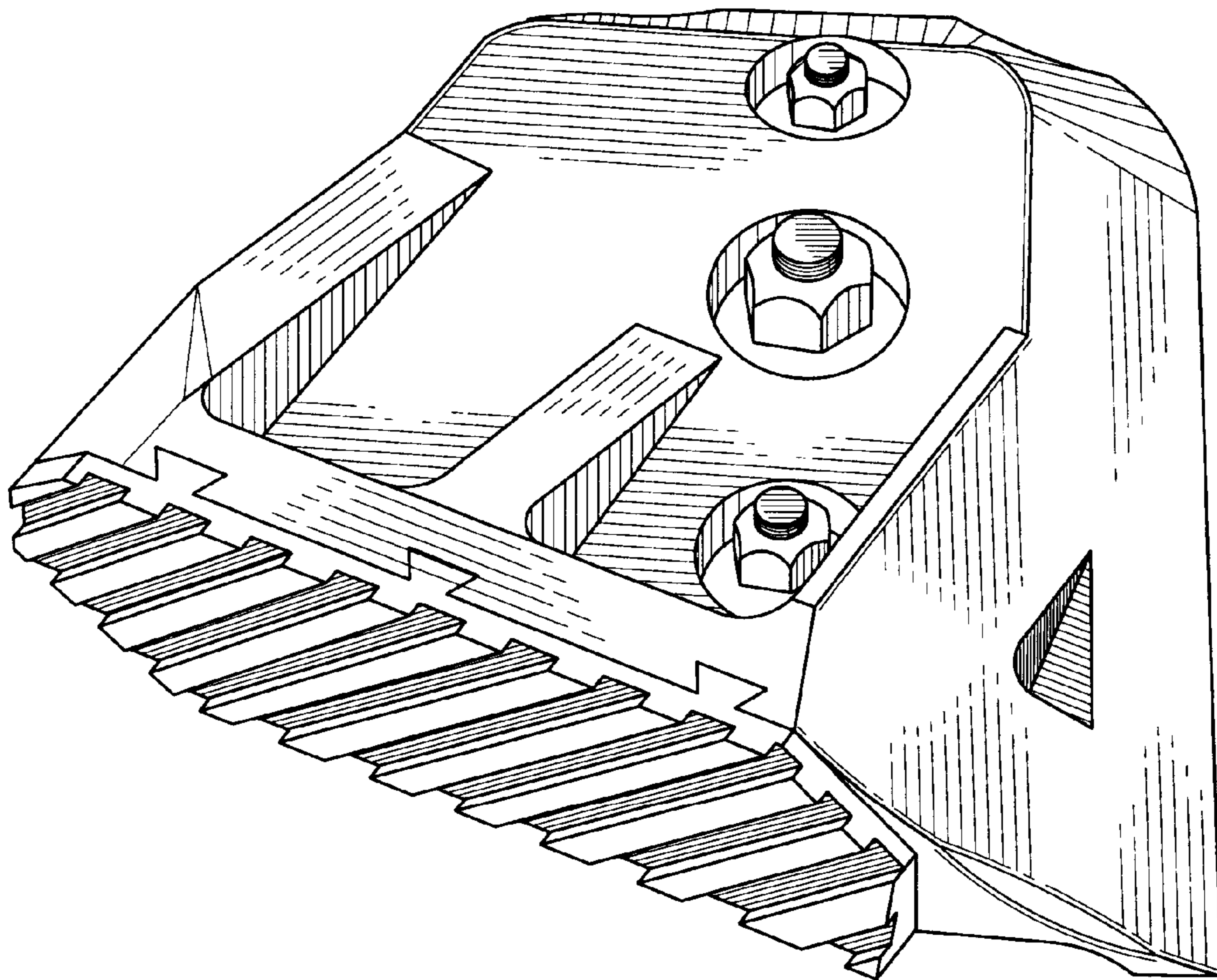


Fig. 1

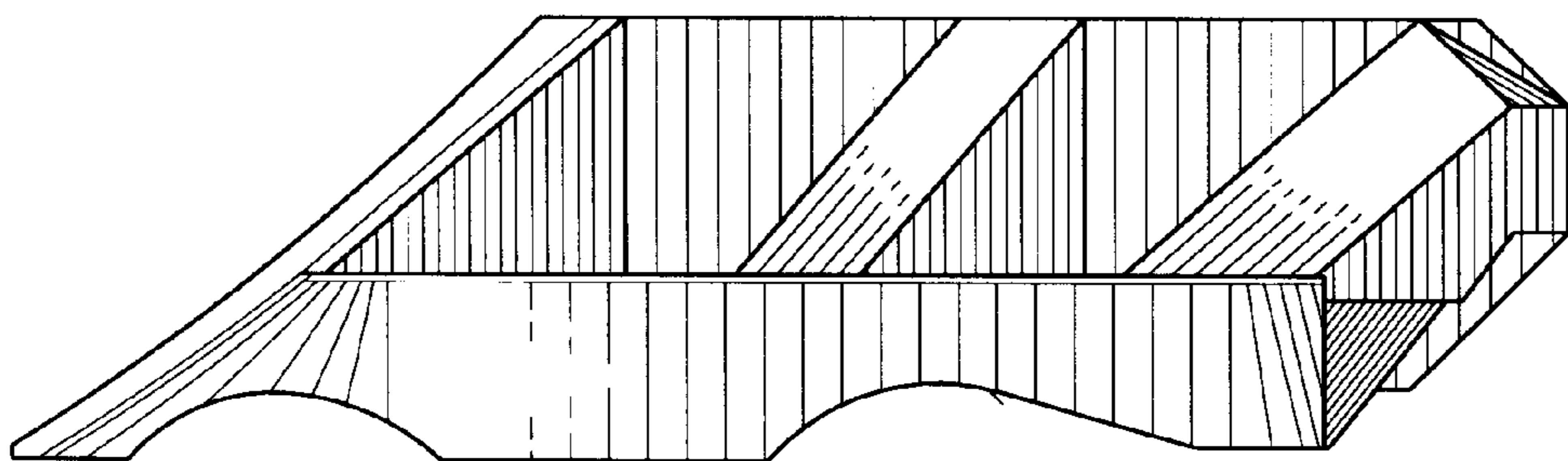


Fig. 2

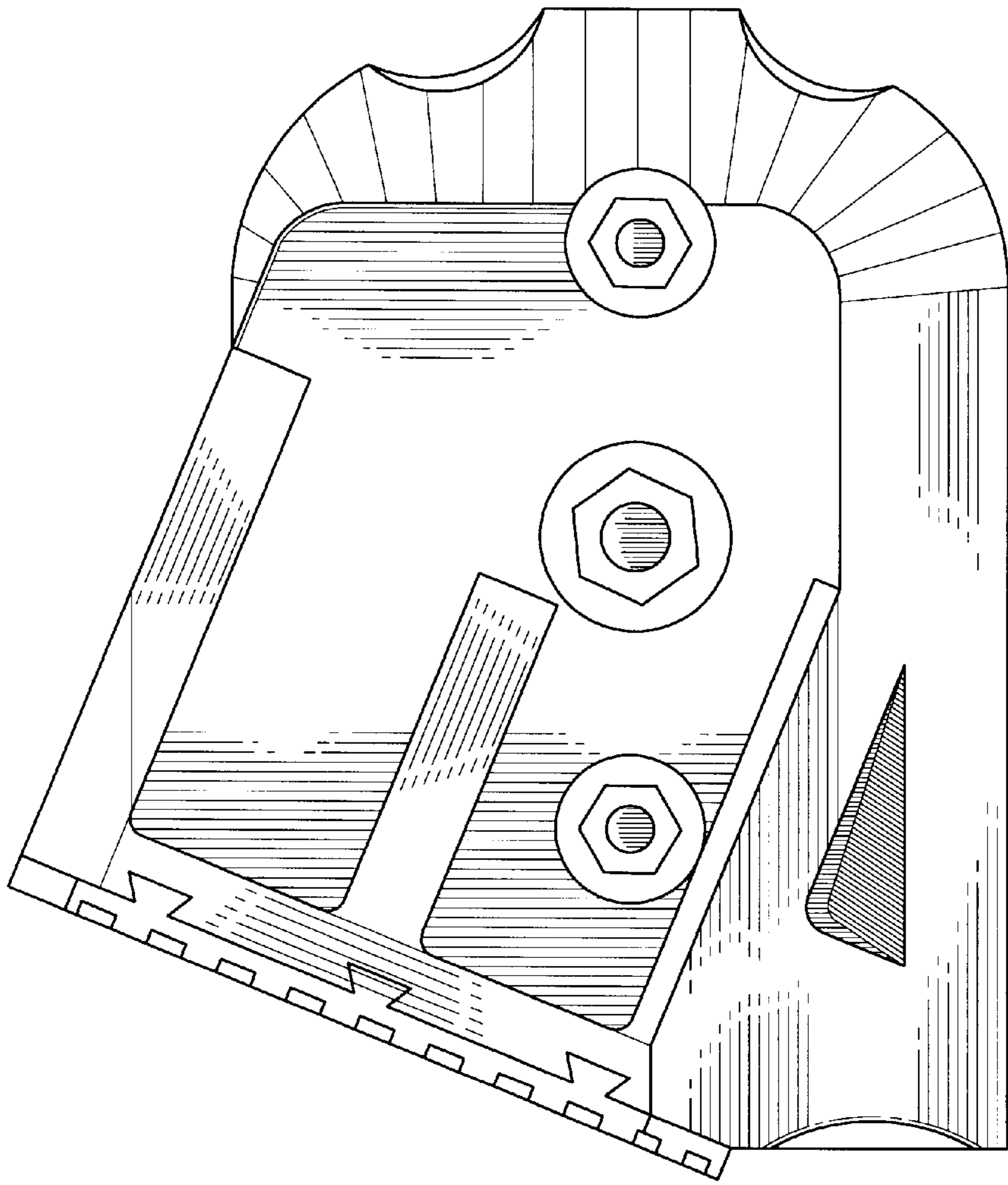


Fig. 3

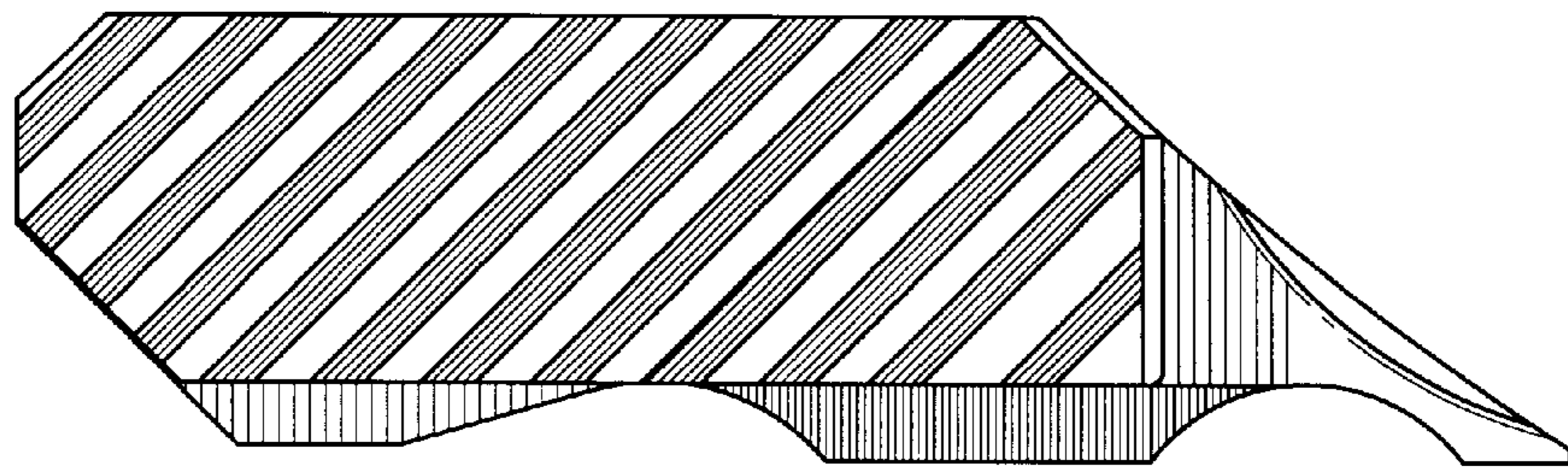


Fig. 4

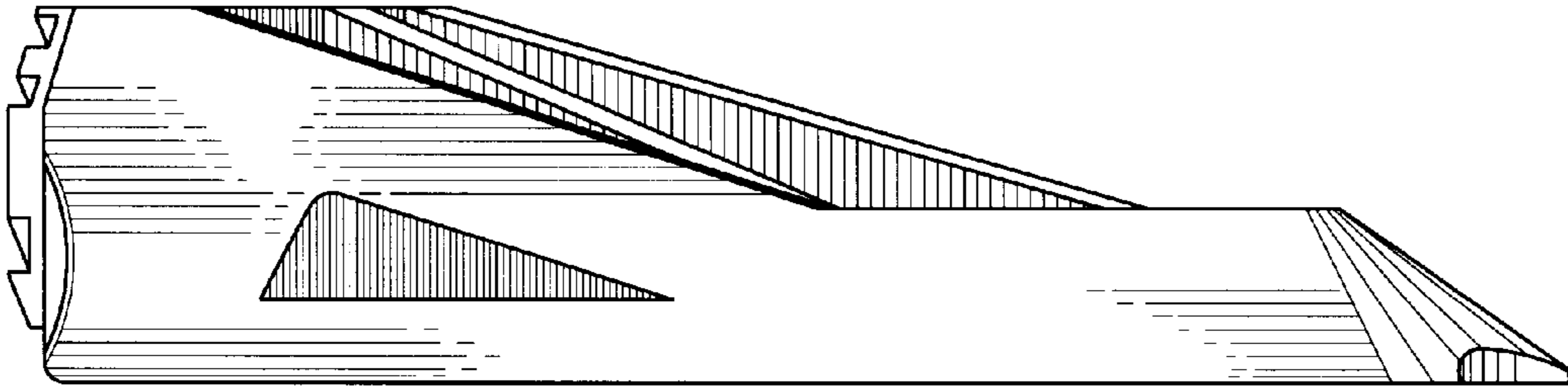


Fig. 5

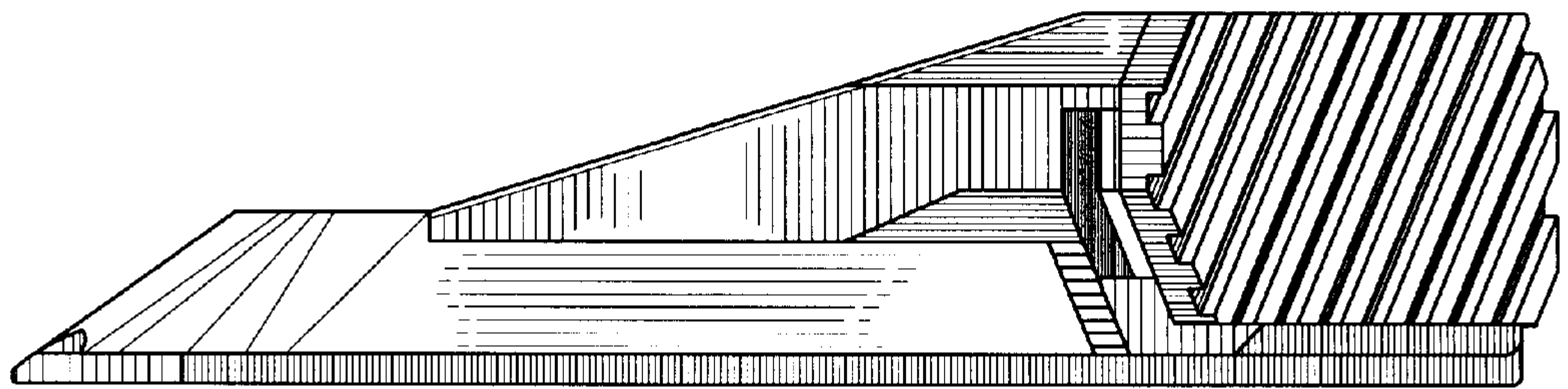


Fig. 6

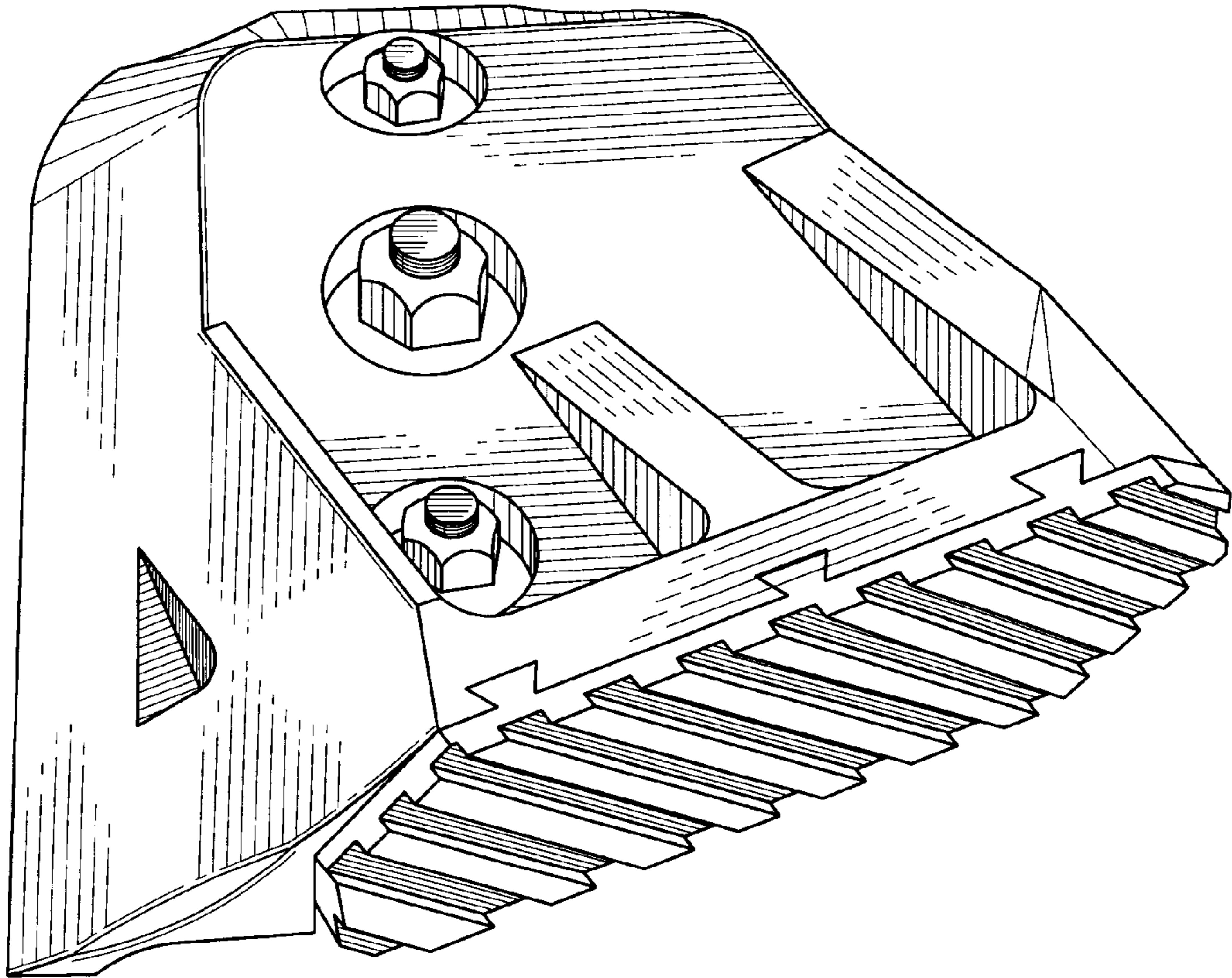


Fig. 7

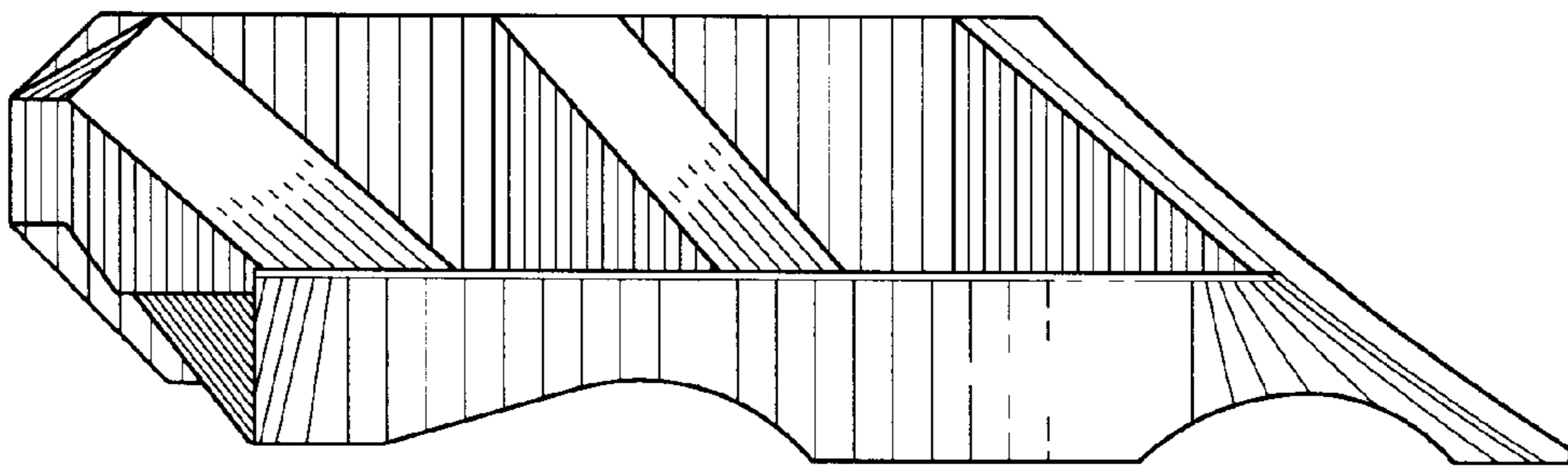


Fig. 8

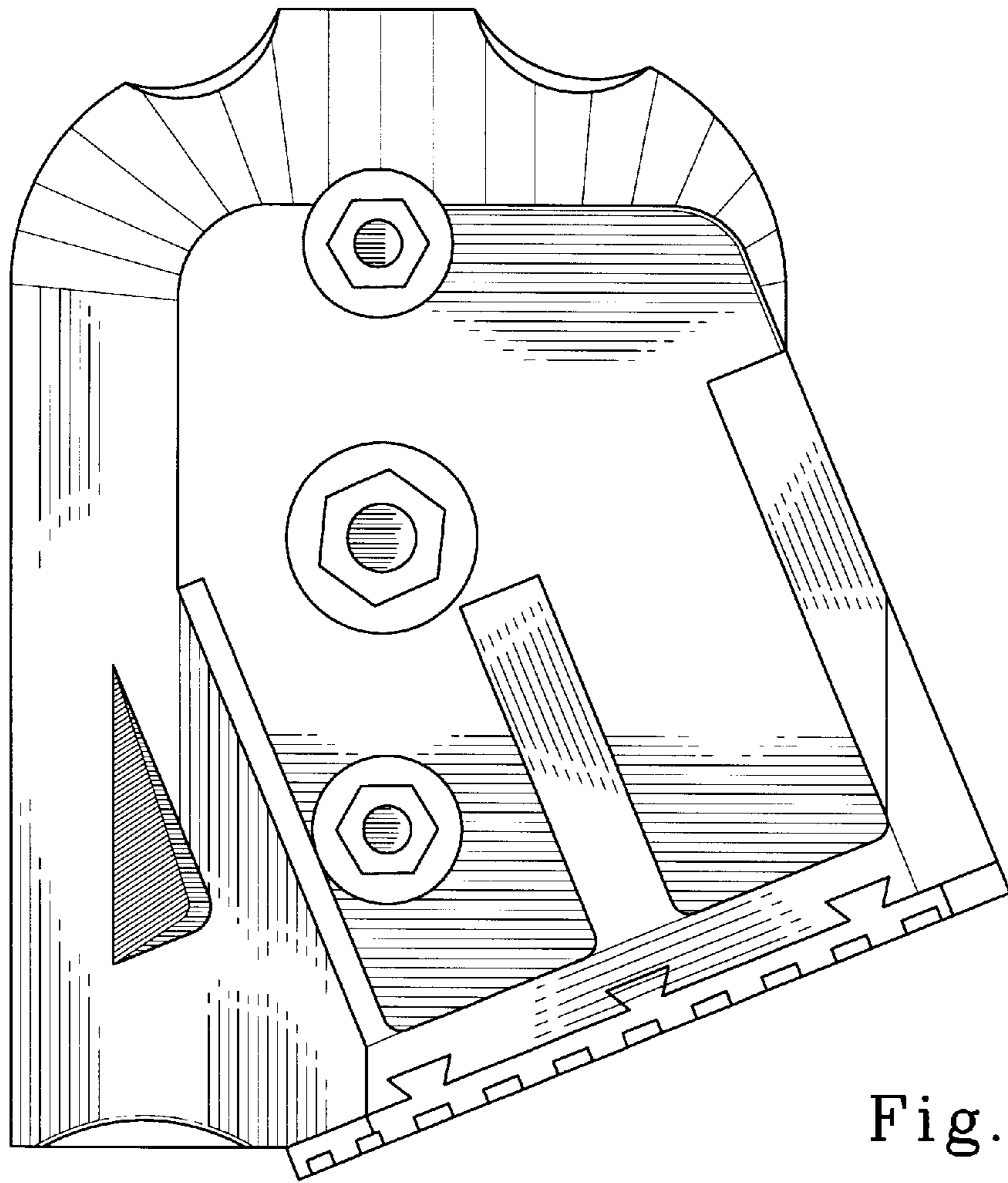


Fig. 9

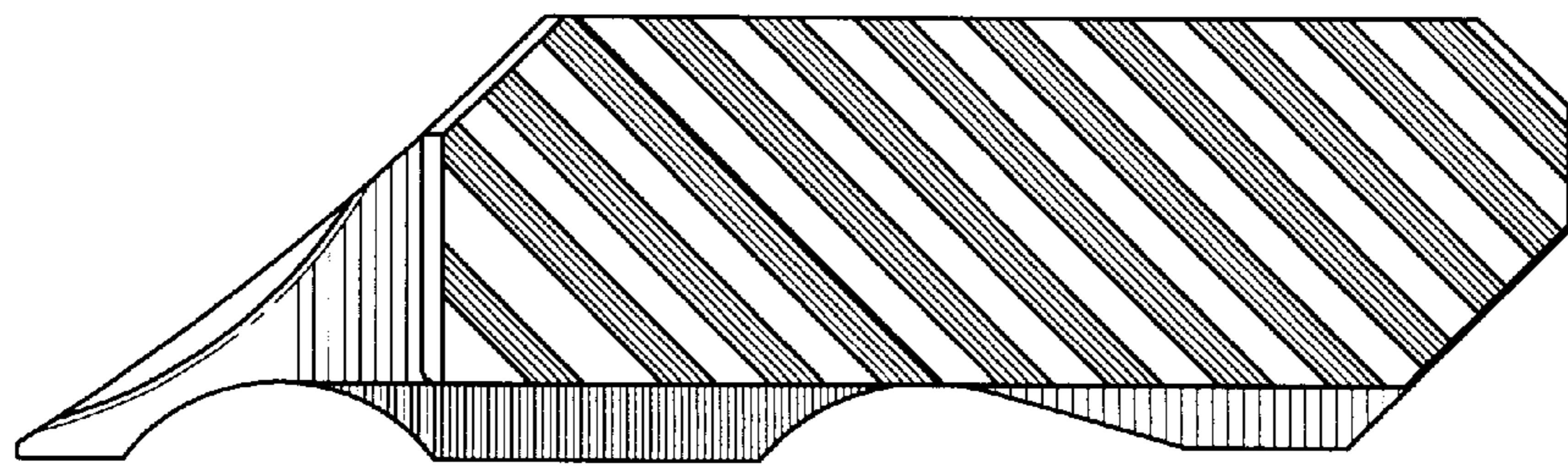


Fig. 10

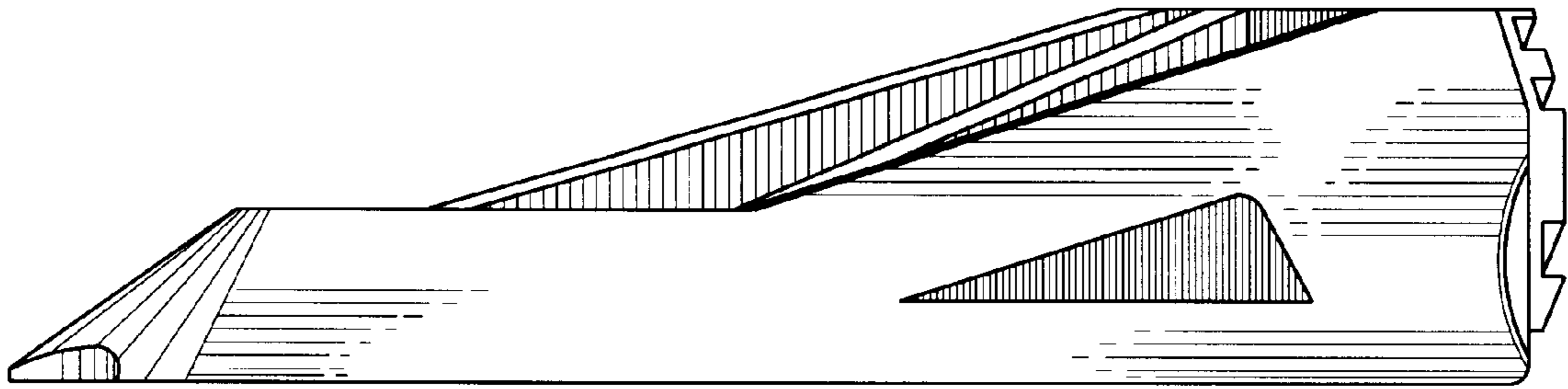


Fig. 11

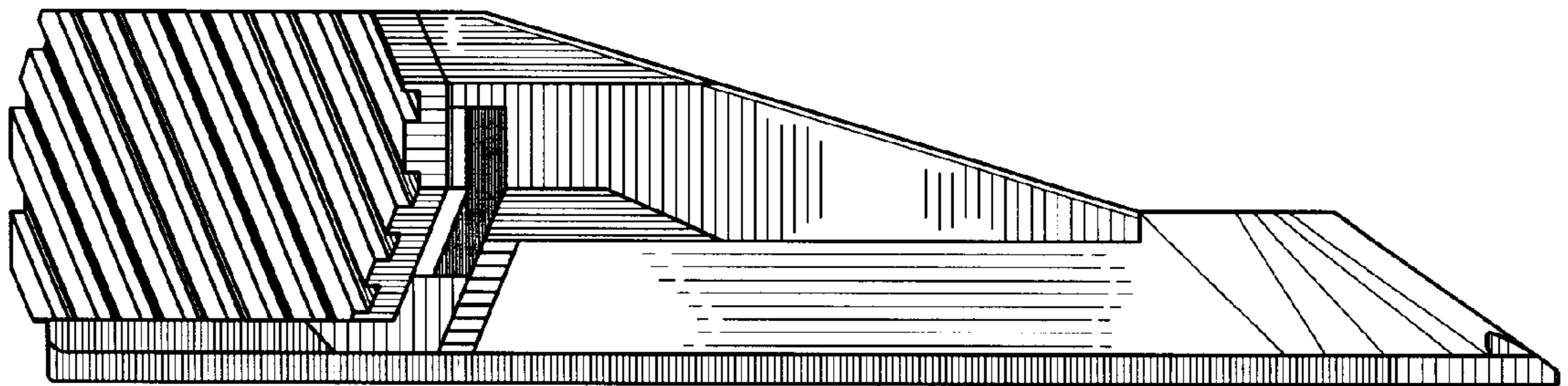


Fig. 12