



US00D620146S

(12) **United States Design Patent**  
**Henriquez**

(10) **Patent No.:** **US D620,146 S**  
(45) **Date of Patent:** **\*\* Jul. 20, 2010**

(54) **DUAL FUNCTION INSULATED FLOOR AND ROOF PANEL WITH ASYMMETRICAL ANGLED ENDS FOR INTEGRATED CONCRETE ROOF OR FLOOR**

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

(21) Appl. No.: **29/342,377**

(22) Filed: **Aug. 24, 2009**

**Related U.S. Application Data**

(63) Continuation-in-part of application No. 29/310,740, filed on Sep. 8, 2008, now Pat. No. Des. 604,867, and a continuation-in-part of application No. 29/310,741, filed on Sep. 8, 2008, now Pat. No. Des. 599,038.

(51) **LOC (9) Cl.** ..... **25-02**

(52) **U.S. Cl.** ..... **D25/138**

(58) **Field of Classification Search** ..... D25/138-139, D25/149-150, 157, 113, 58, 119; 52/578, 52/588.1, 586.1, 586.2, 782.1, 783.1, 589.1, 52/311.1, 311.2, 414-415, 475-475.1, 483.1

See application file for complete search history.

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(74) *Attorney, Agent, or Firm*—Melvin K. Silverman; Yi Li

(57) **CLAIM**

The ornamental design for a dual function insulated floor and roof panel with asymmetrical angled ends for integrated concrete floor and roof, as shown and described.

**DESCRIPTION**

FIG. 1 is a top, front and right side perspective view of a dual function insulated floor and roof panel with asymmetrical angled ends for integrated concrete floor and roof, showing my new design;

FIG. 2 is a bottom, rear and right side perspective view of the panel shown in FIG. 1;

FIG. 3 is a right side elevational view of the panel shown in FIG. 1;

FIG. 4 is a left side elevational view of the panel shown in FIG. 1;

FIG. 5 is a front elevational view of the panel shown in FIG. 1; the opposite side being a mirror image;

FIG. 6 is a top plan view of the panel shown in FIG. 1; and

FIG. 7 is a bottom plan view of the panel shown in FIG. 1;

FIG. 8 is a top, front and right side perspective view of a further embodiment of the dual function insulated floor and roof panel with asymmetrical angled ends shown in FIG. 1, including two wrapping bands wrapped around the panel, showing my new design;

FIG. 9 is a bottom, rear and right side perspective view of the panel shown in FIG. 8;

FIG. 10 is a right side elevational view of the panel shown in FIG. 8;

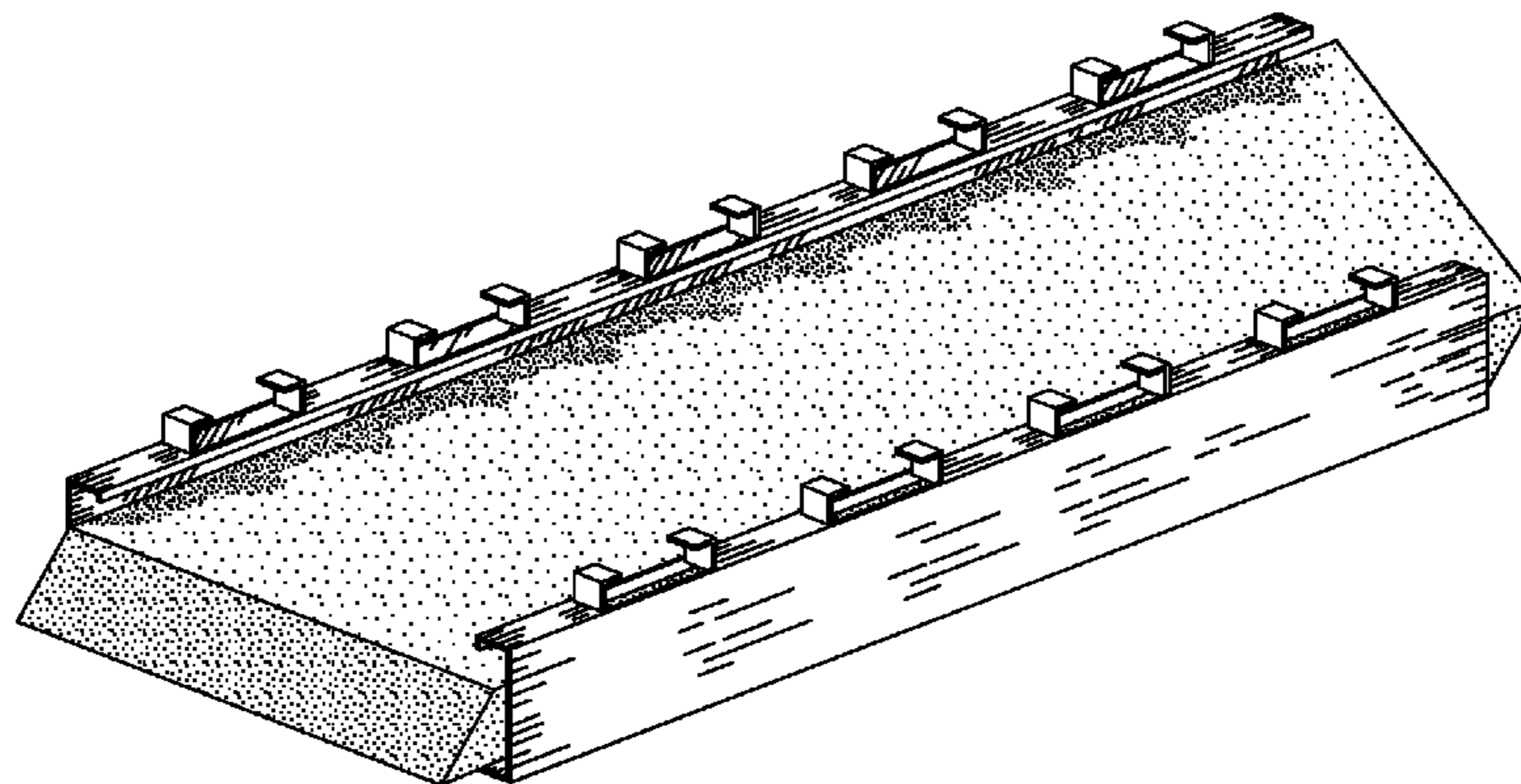
FIG. 11 is a left side elevational view of the panel shown in FIG. 8;

FIG. 12 is a front elevational view of the panel shown in FIG. 8, the opposite side being a mirror image;

FIG. 13 is a top plan view of the panel shown in FIG. 8; and

FIG. 14 is a bottom plan view of the panel shown in FIG. 8;

FIG. 15 is a top, front and right side perspective view of yet a further embodiment of the dual function insulated floor and roof panel with asymmetrical angled ends shown in FIG. 1,



including a plurality of through-holes on web sections of studs of the panel, showing my new design;

FIG. 16 is a bottom, rear and right side perspective view of the panel shown in FIG. 15;

FIG. 17 is a right side elevational view of the panel shown in FIG. 15;

FIG. 18 is a left side elevational view of the panel shown in FIG. 15;

FIG. 19 is a front elevational view of the panel shown in FIG. 15, the opposite side being a mirror image;

FIG. 20 is a top plan view of the panel shown in FIG. 15; and

FIG. 21 is a bottom plan view of the panel shown in FIG. 15;

FIG. 22 is a top, front and right side perspective view of a further embodiment of the dual function insulated floor and

roof panel with asymmetrical angled ends shown in FIG. 15, including two wrapping bands wrapped around the panel, showing my new design;

FIG. 23 is a bottom, rear and right side perspective view of the panel shown in FIG. 22;

FIG. 24 is a right side elevational view of the panel shown in FIG. 22;

FIG. 25 is a left side elevational view of the panel shown in FIG. 22;

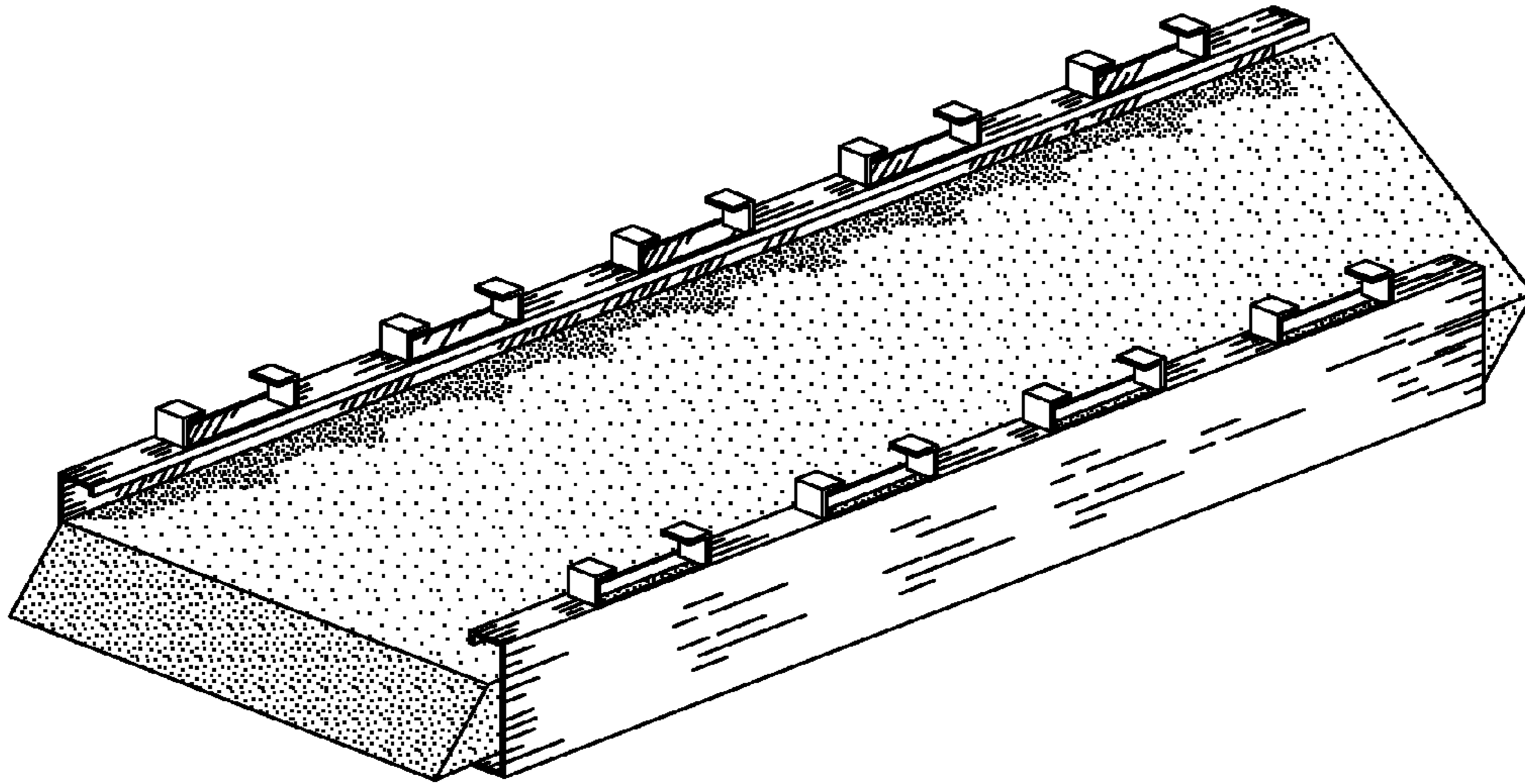
FIG. 26 is a front elevational view of the panel shown in FIG. 22, the opposite side being a mirror image;

FIG. 27 is a top plan view of the panel shown in FIG. 22; and,

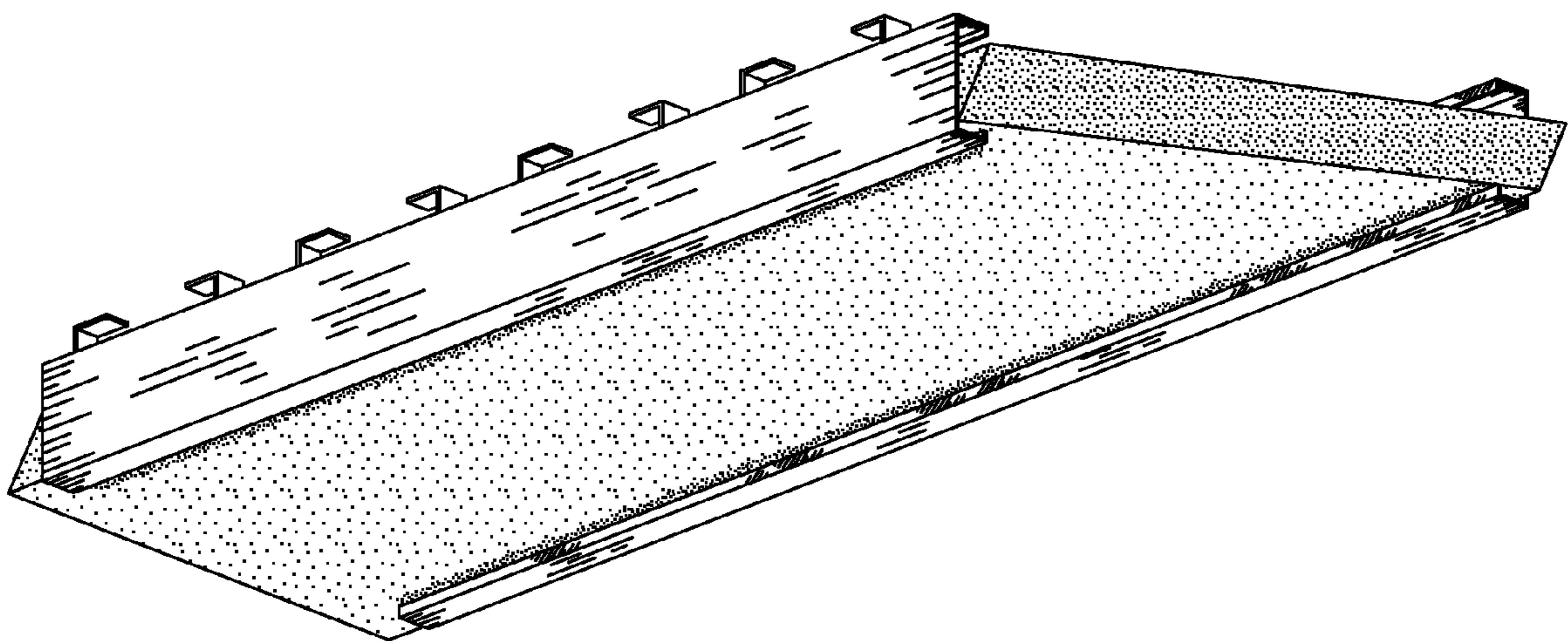
FIG. 28 is a bottom plan view of the panel shown in FIG. 22.

**1 Claim, 12 Drawing Sheets**

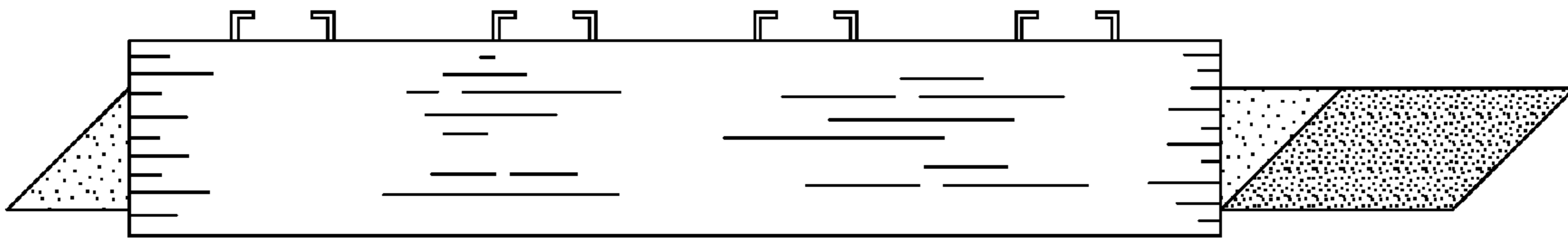
**Fig. 1**



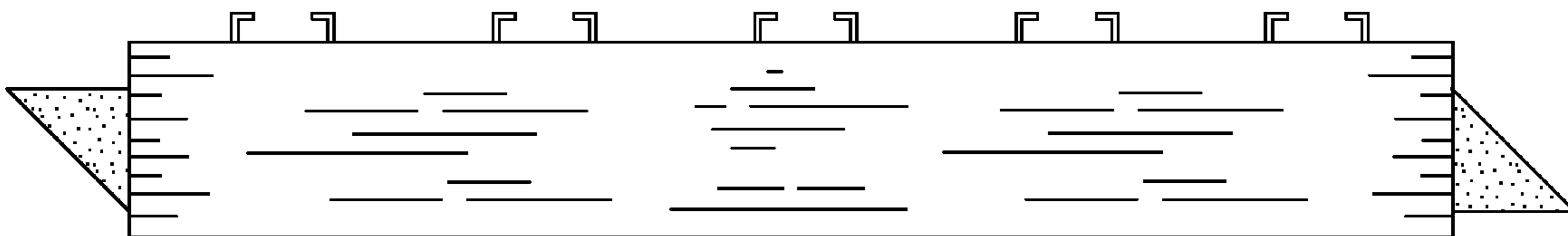
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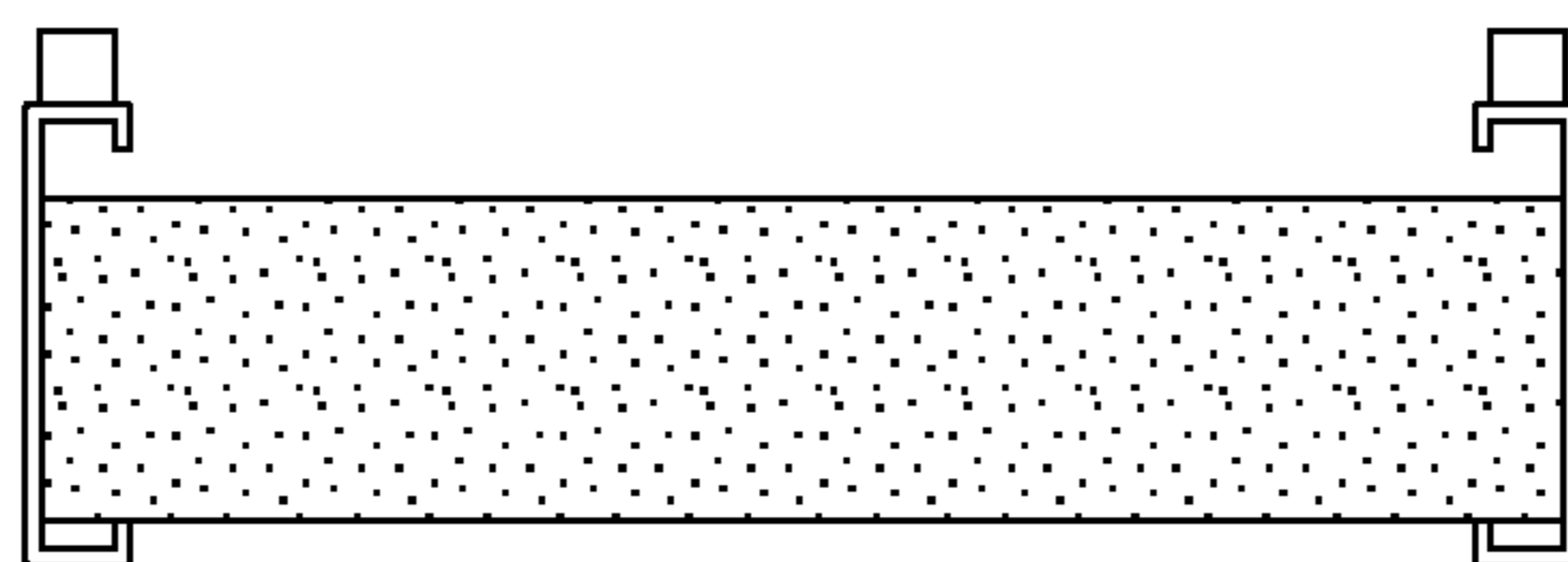
**Fig. 3**



**Fig. 4**

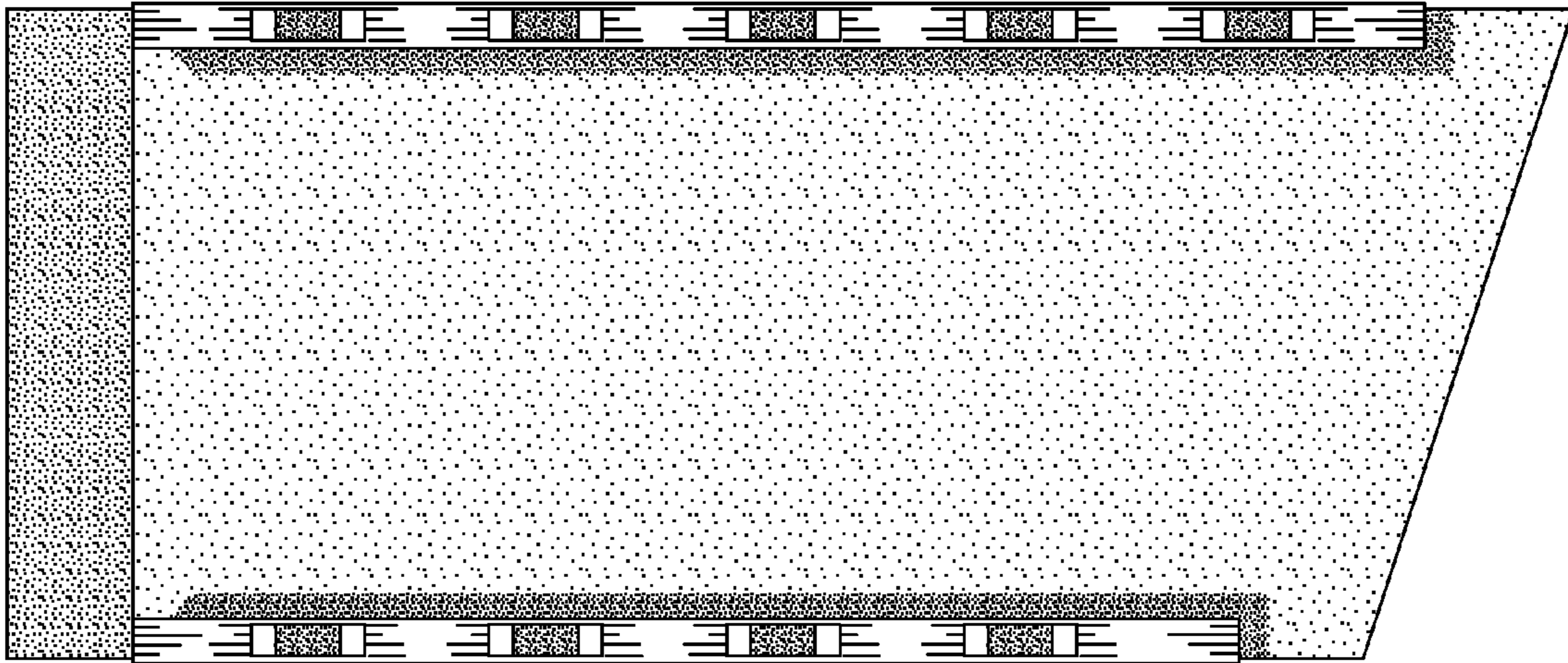


**Fig. 5**

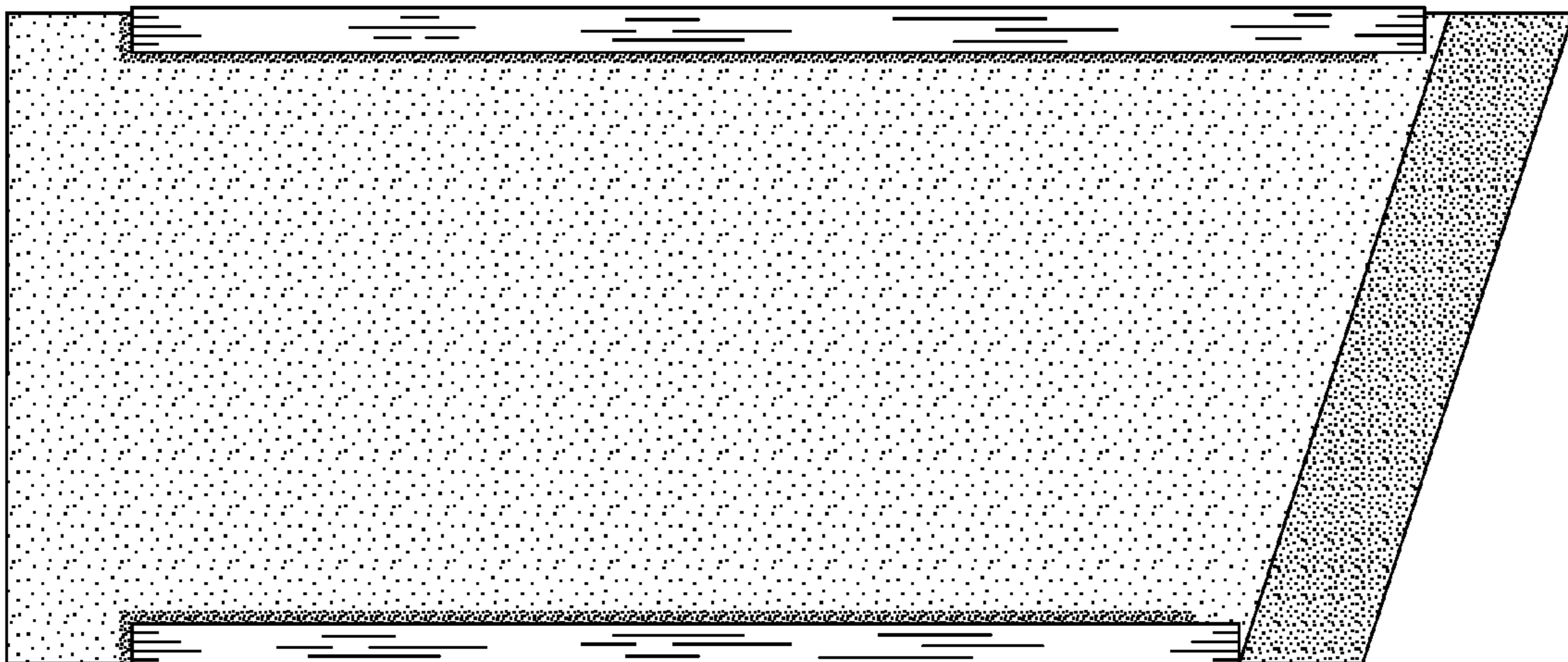




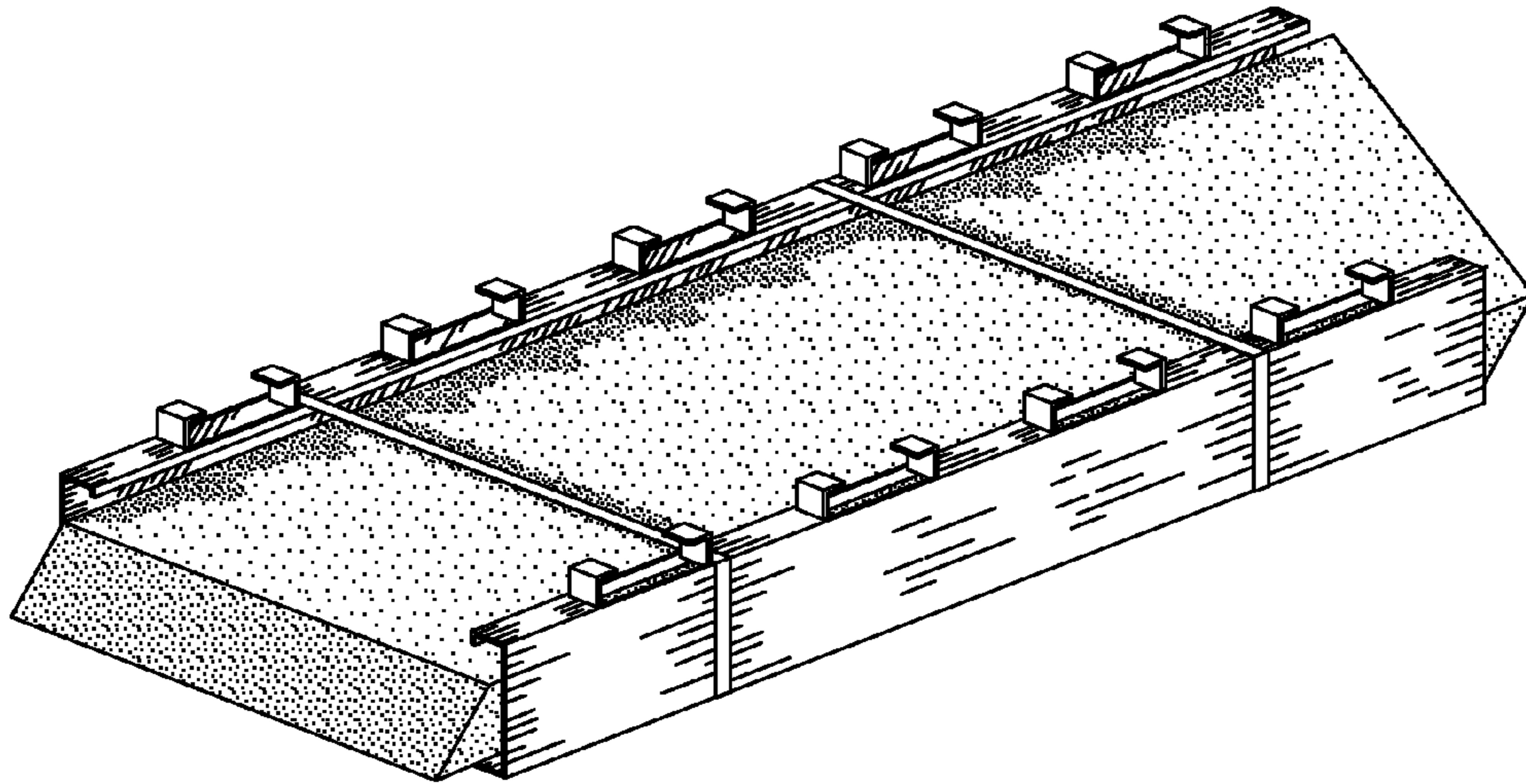
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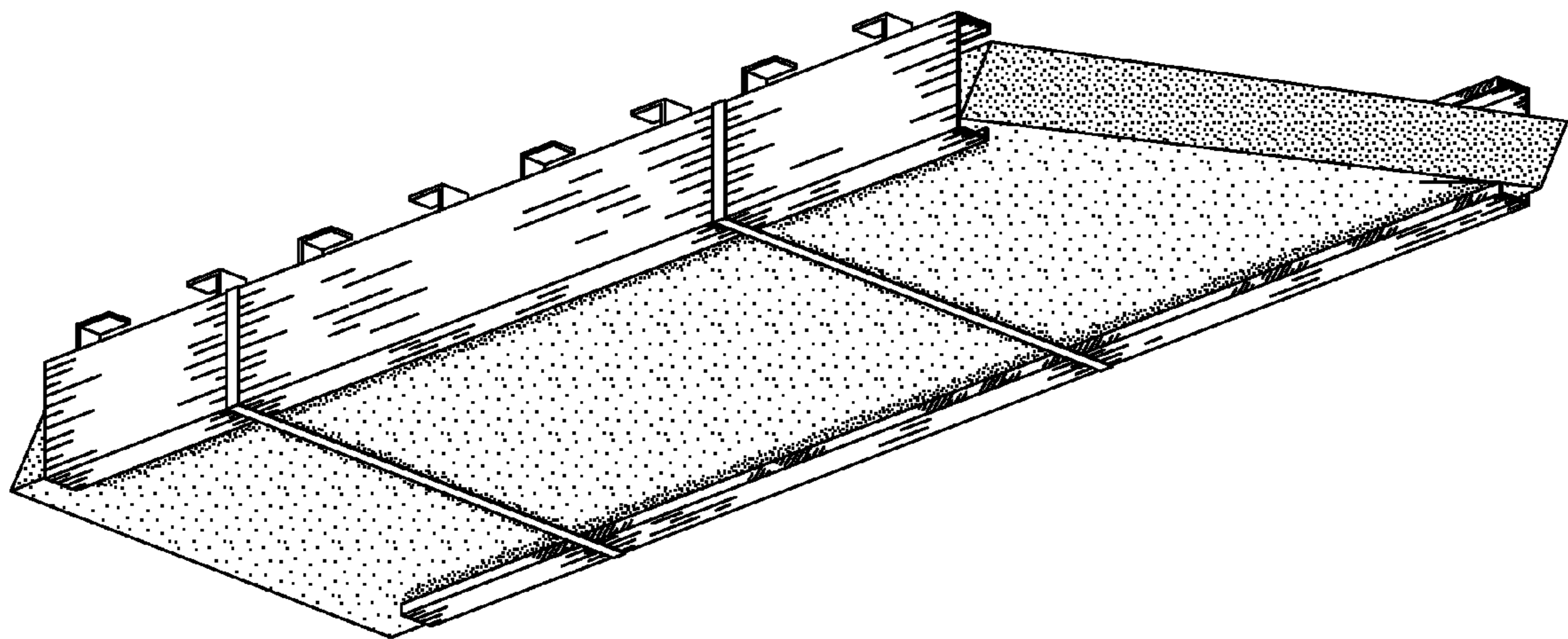
**Fig. 7**



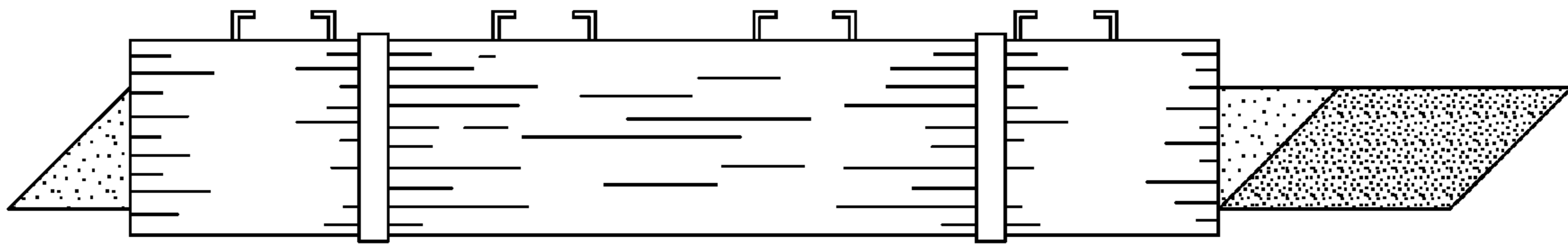
**Fig. 8**



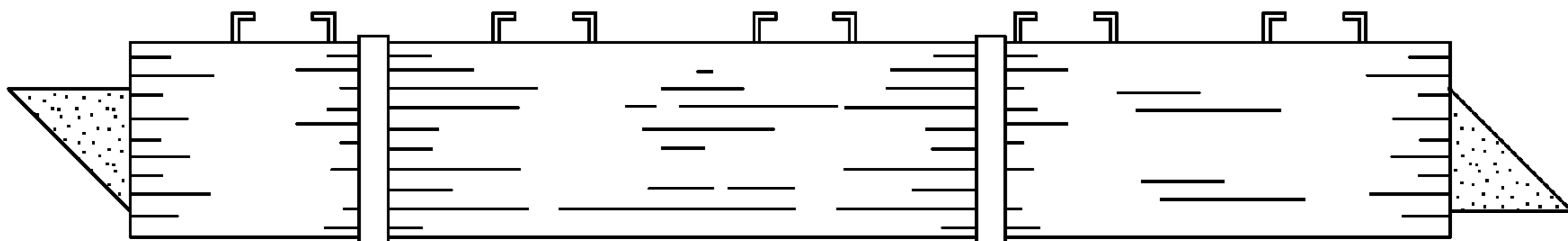
**Fig. 9**



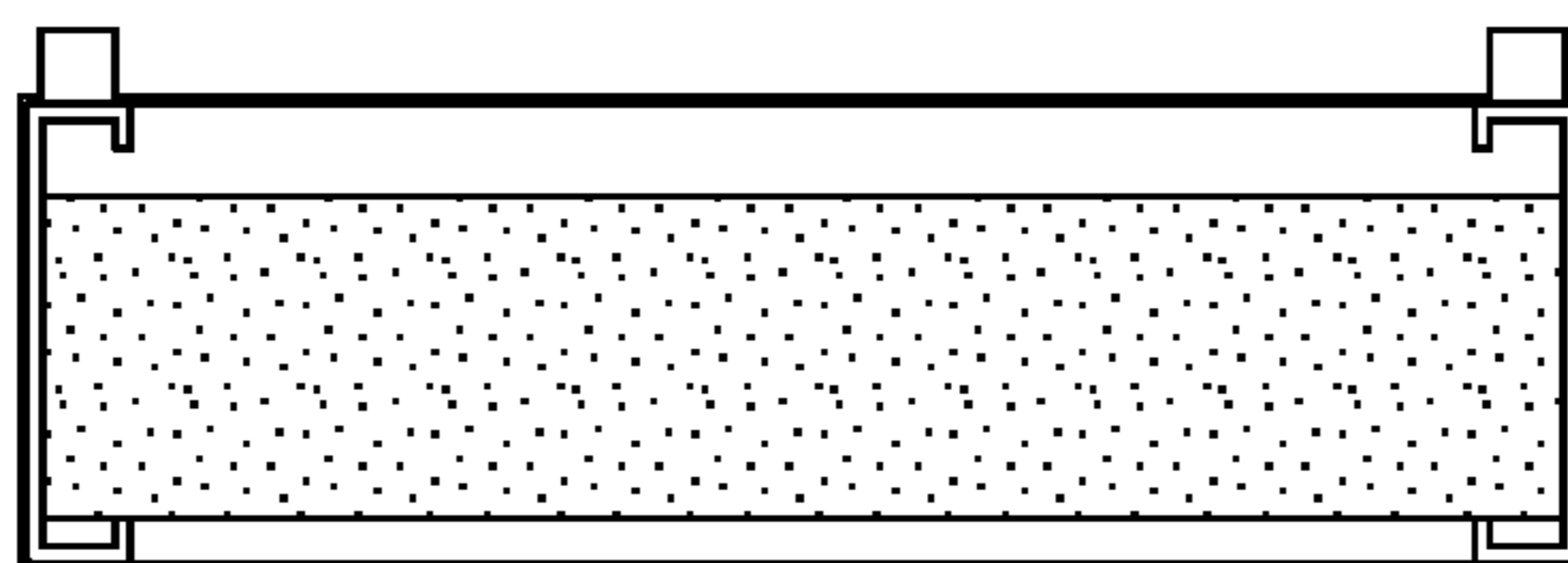
**Fig. 10**



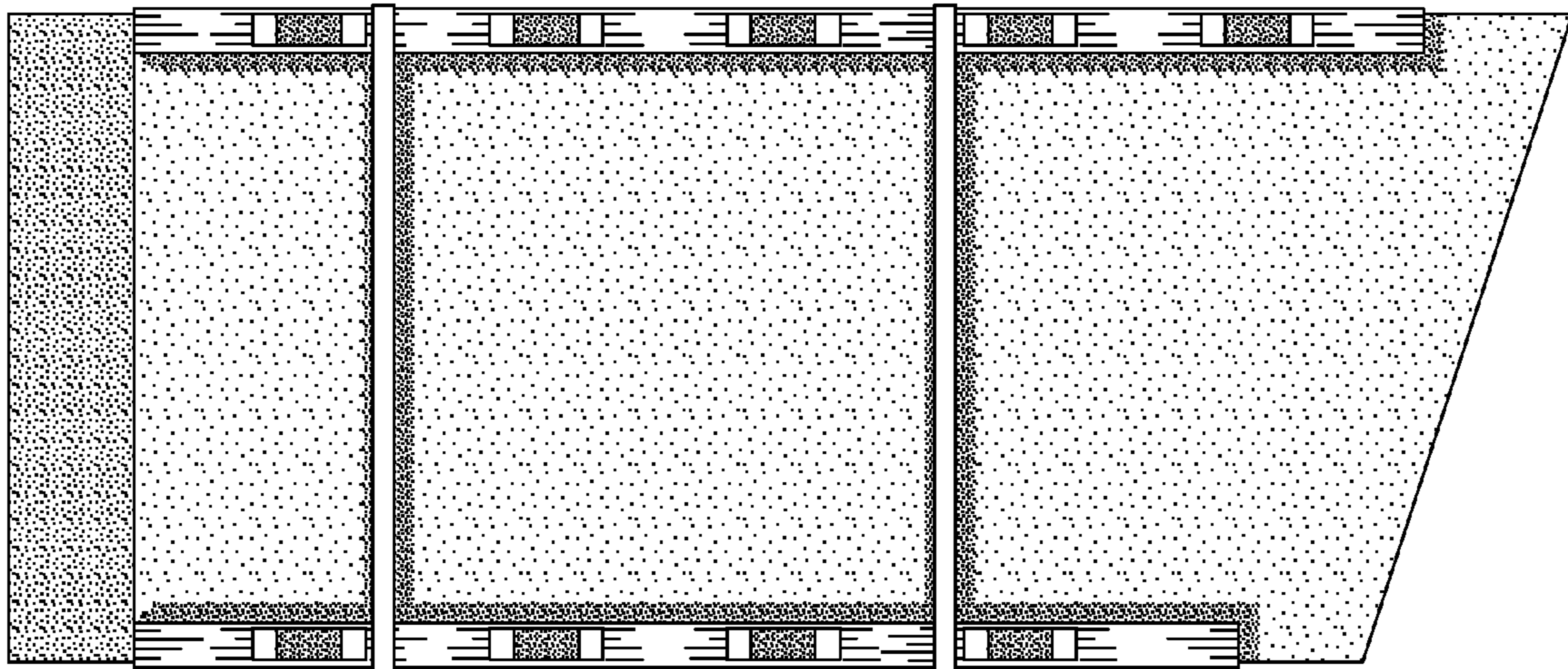
**Fig. 11**



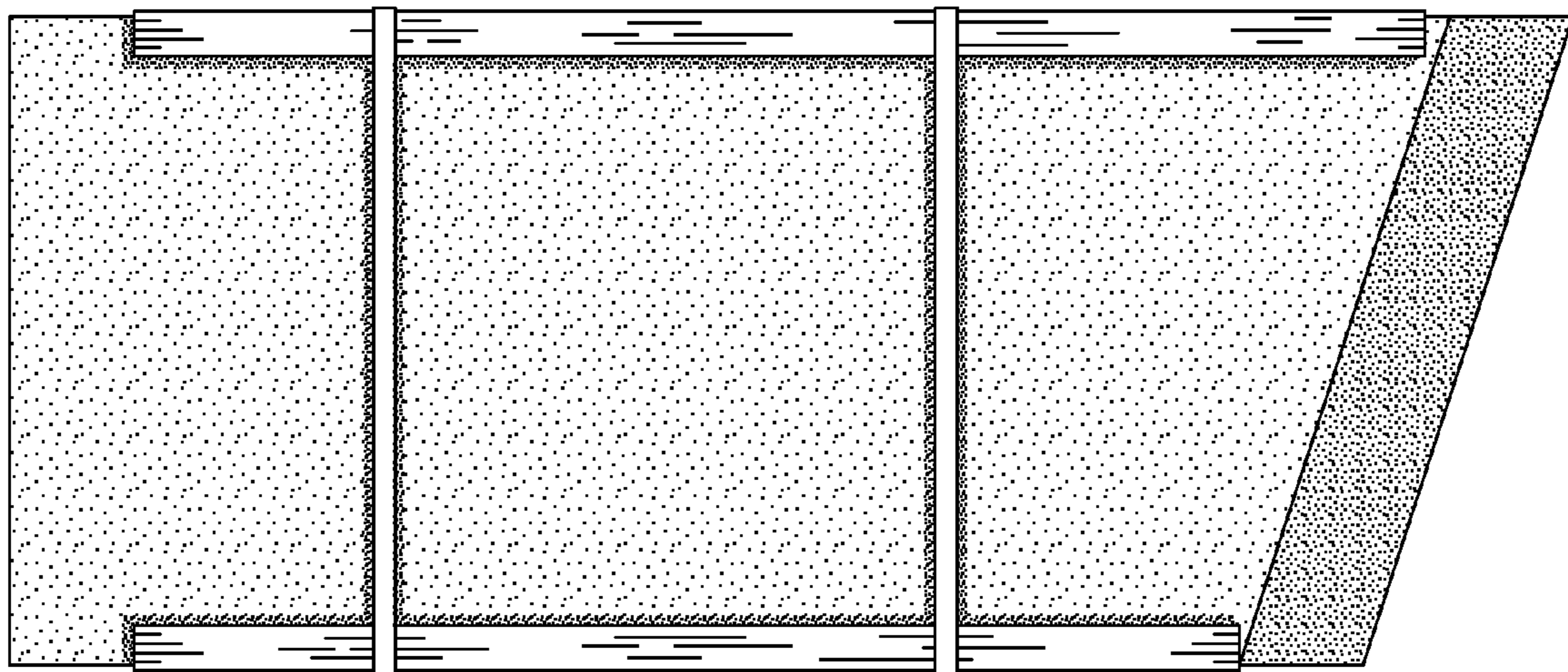
**Fig. 12**



**Fig. 13**

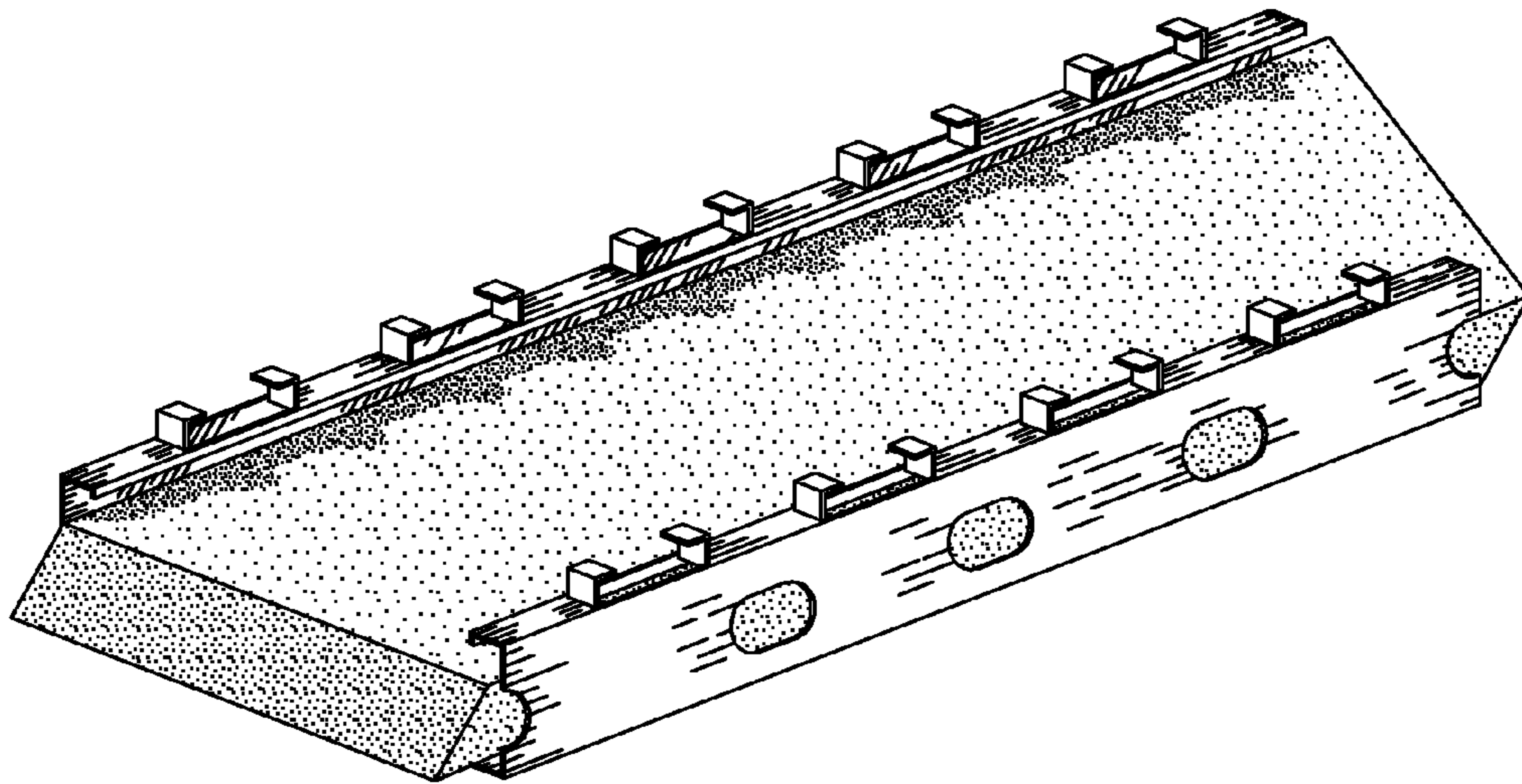


**Fig. 14**

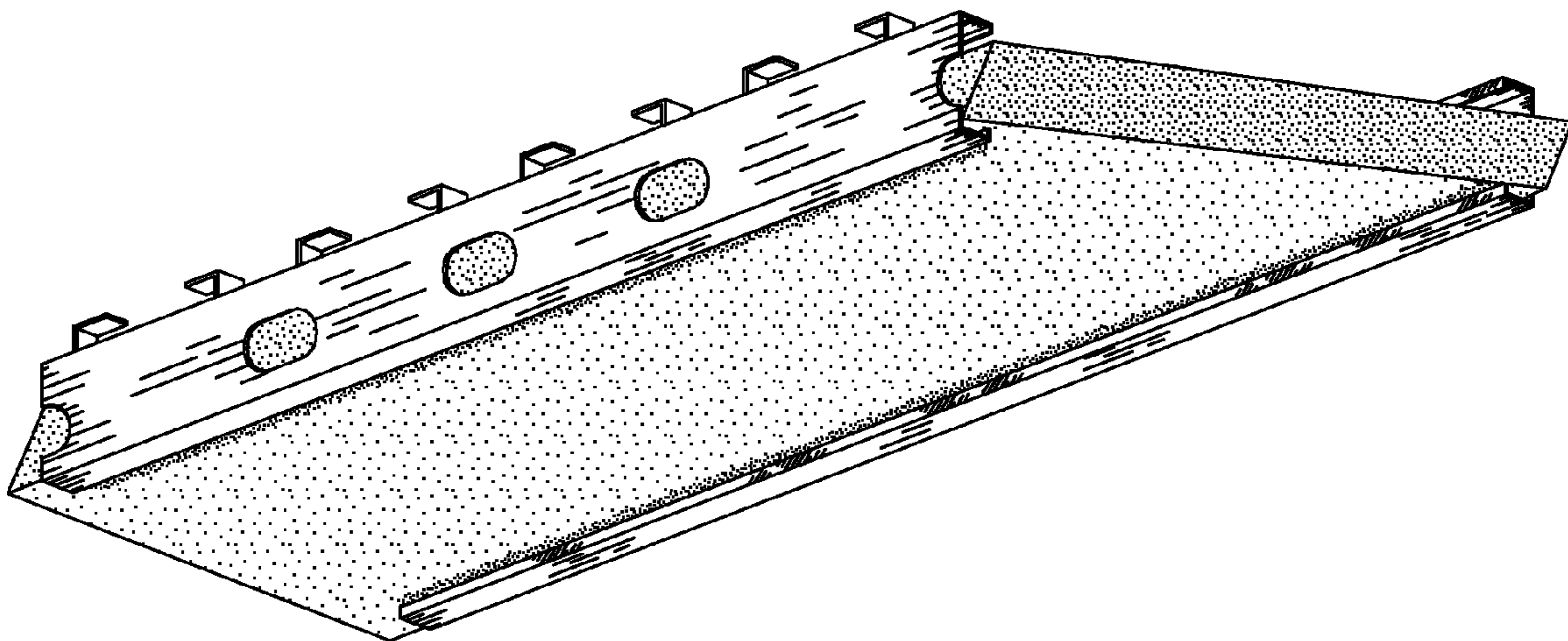




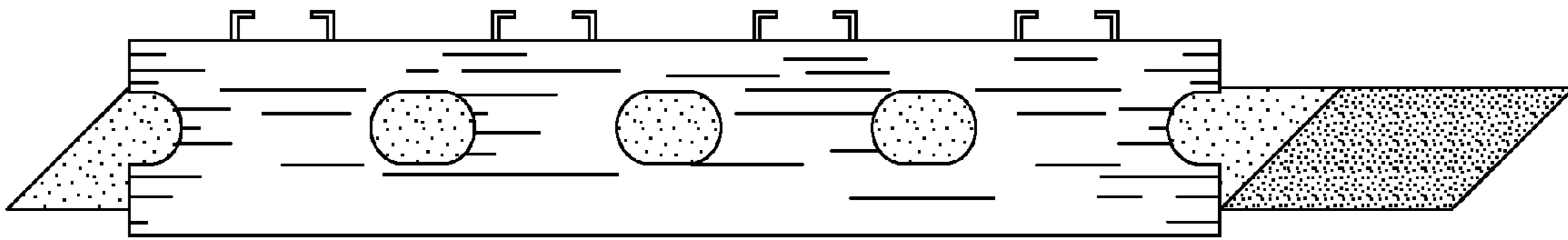
**Fig. 15**



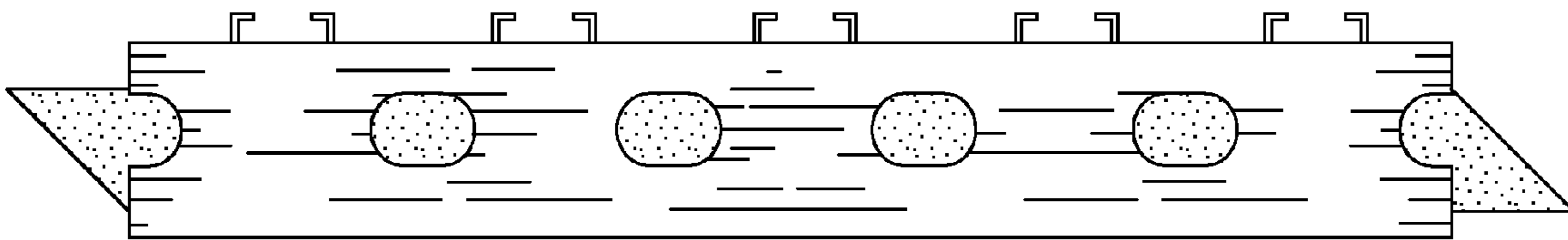
**Fig. 16**



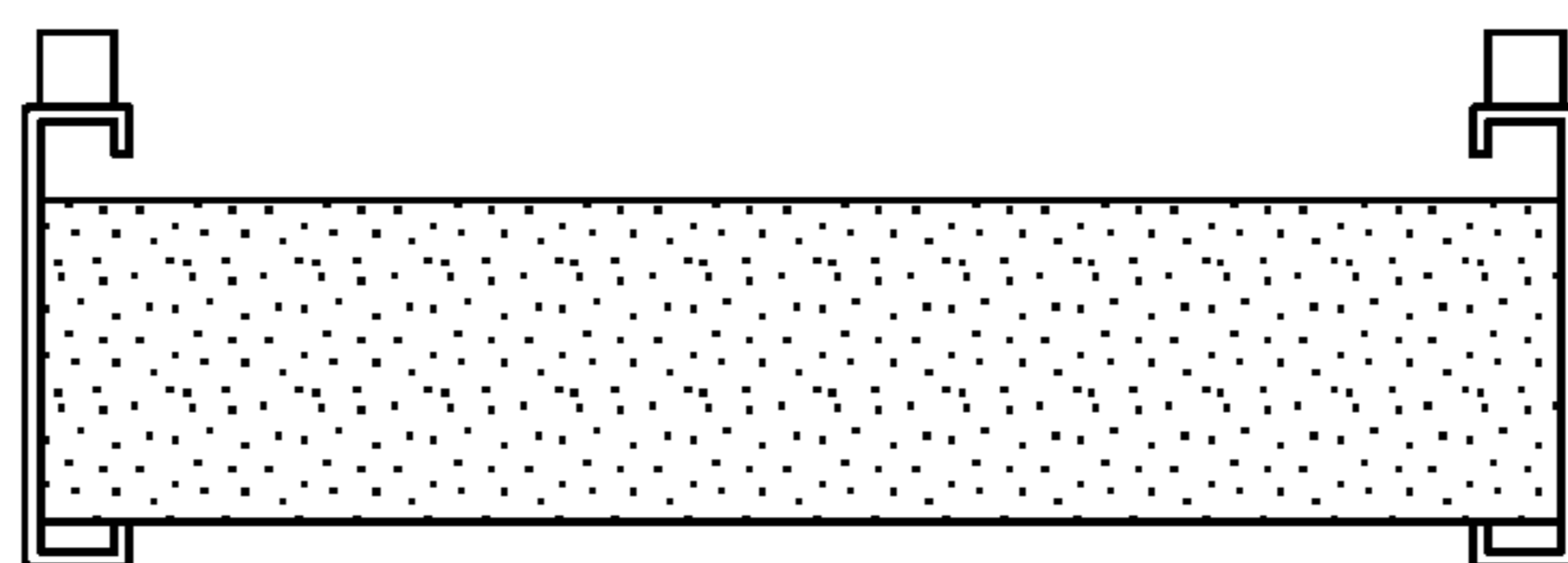
**Fig. 17**



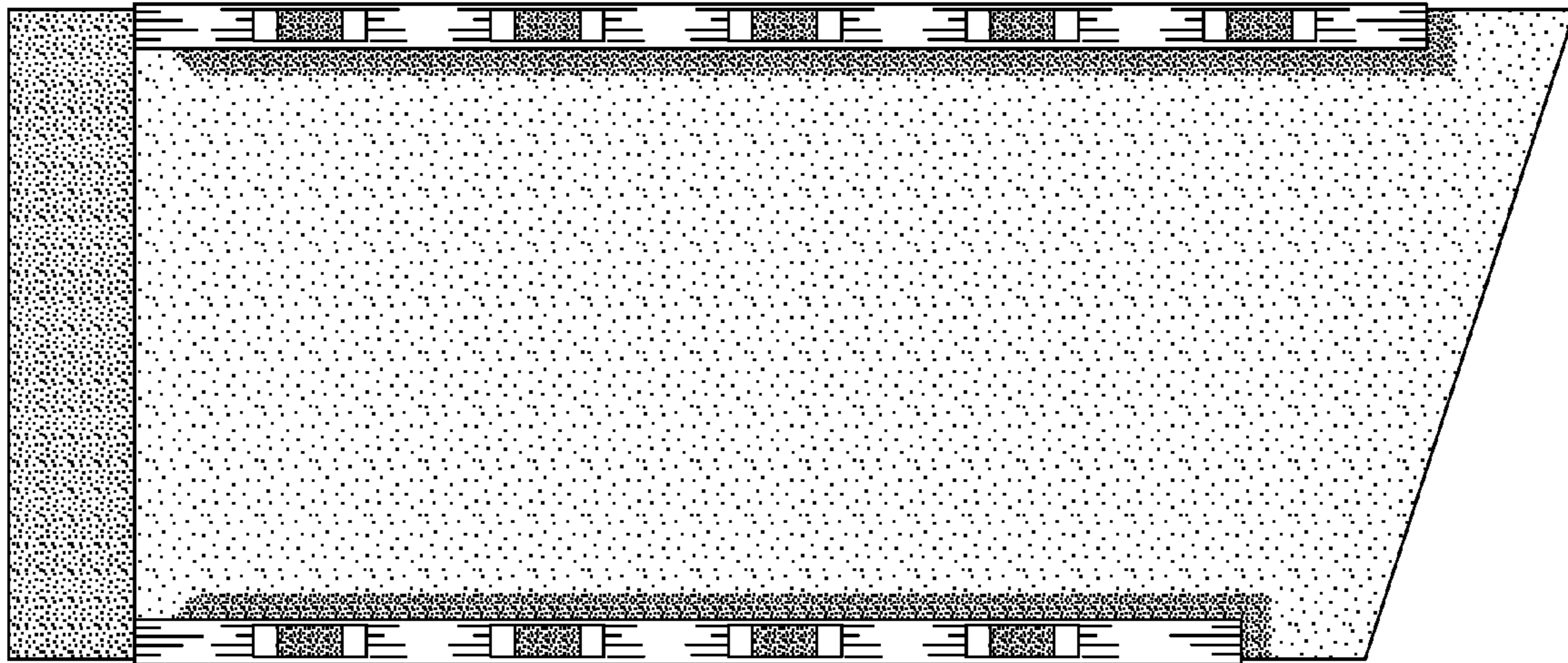
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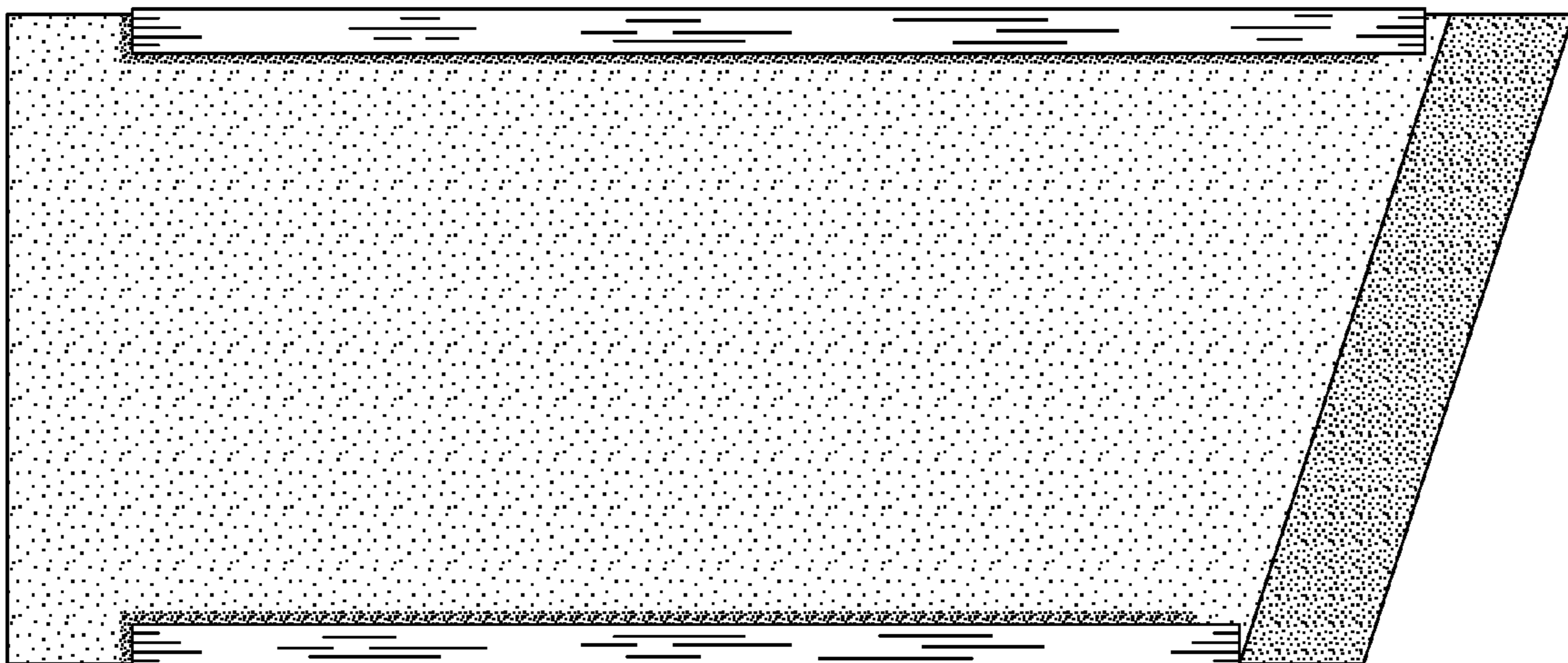
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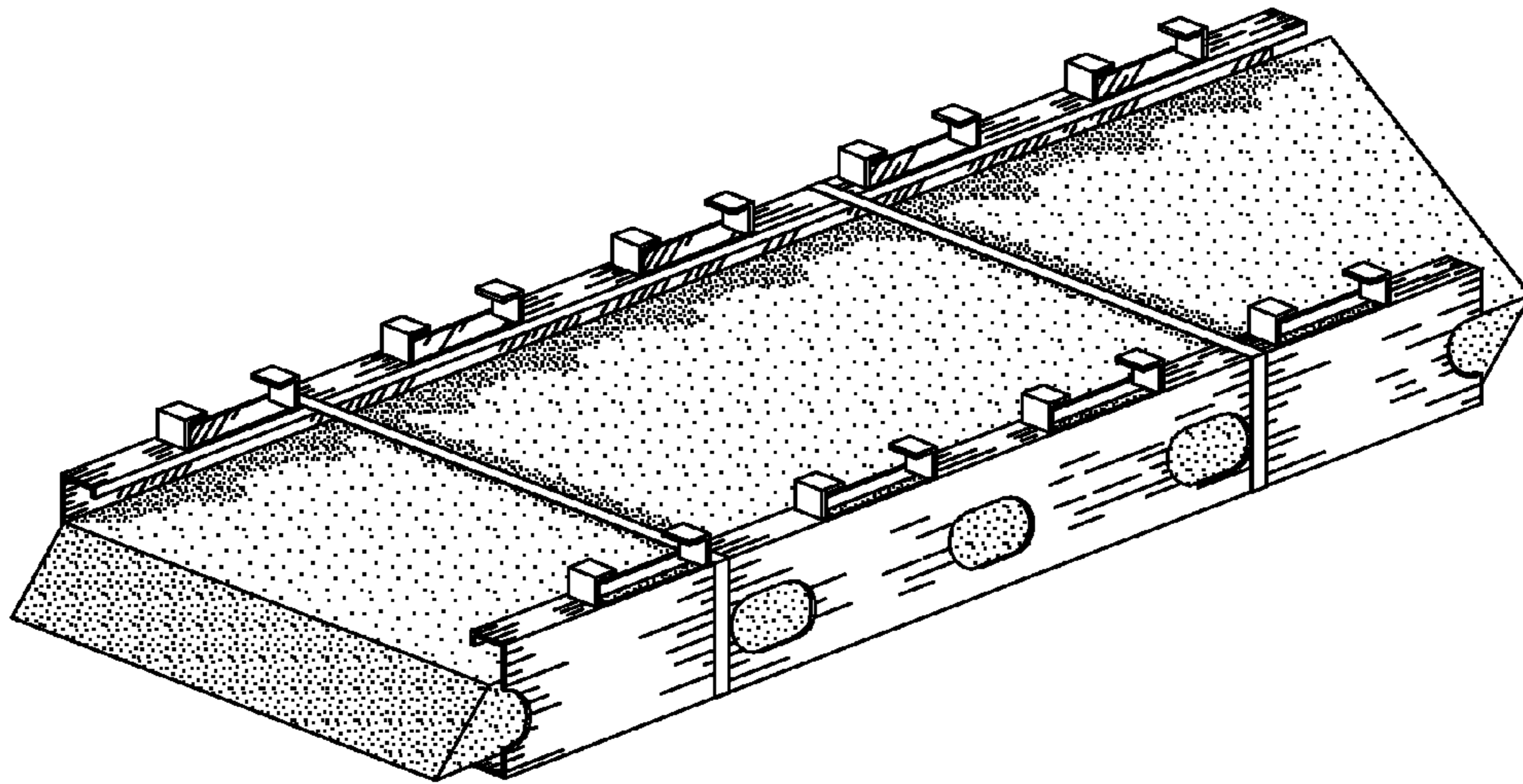
**Fig. 20**



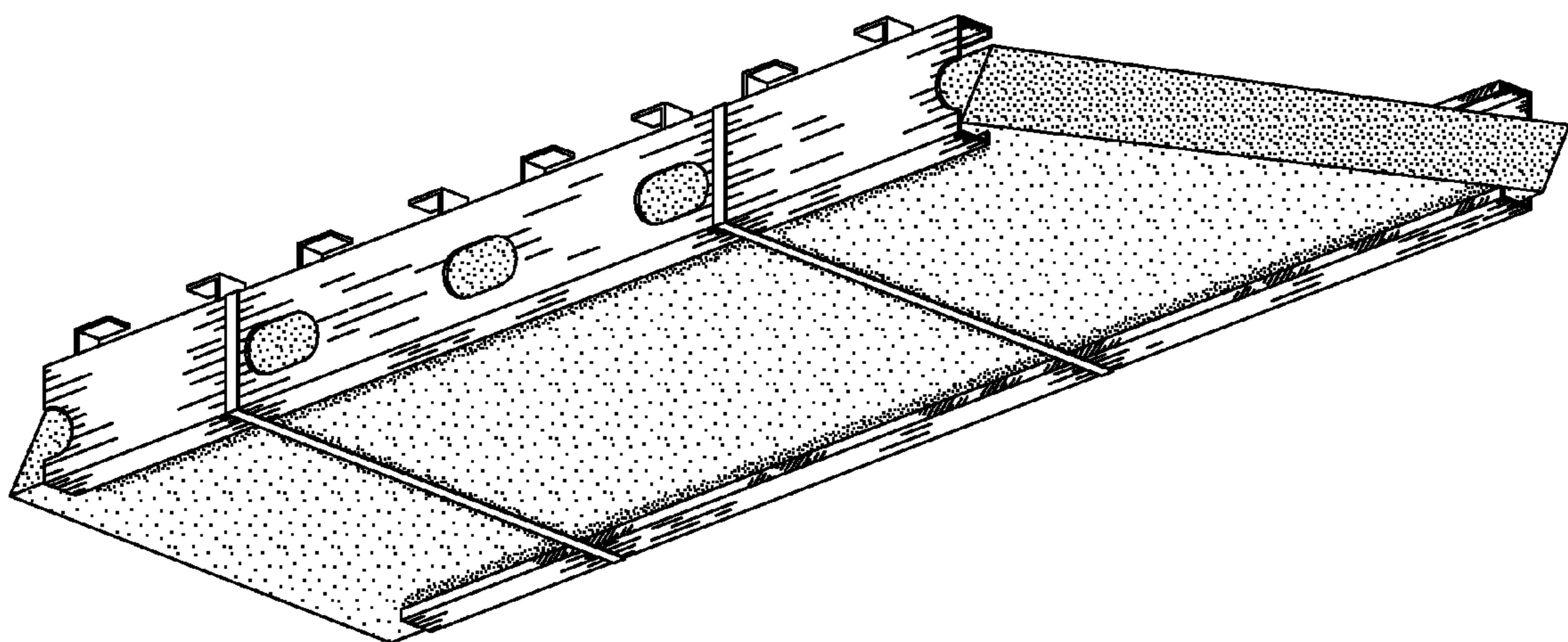
**Fig. 21**



**Fig. 22**

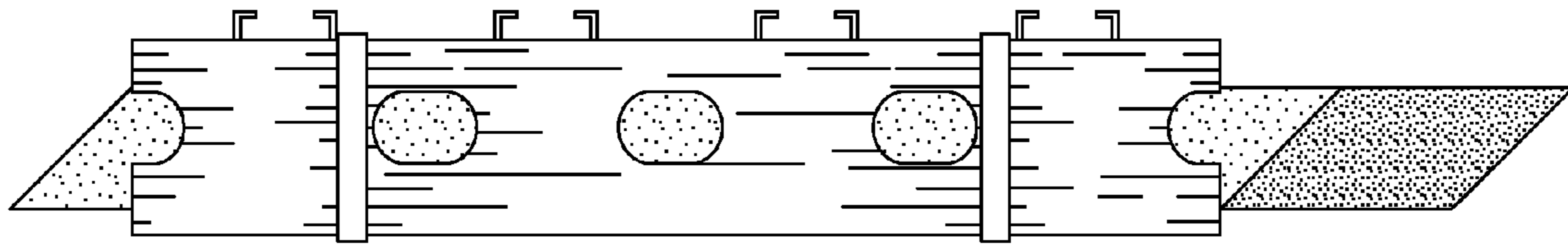


**Fig. 23**

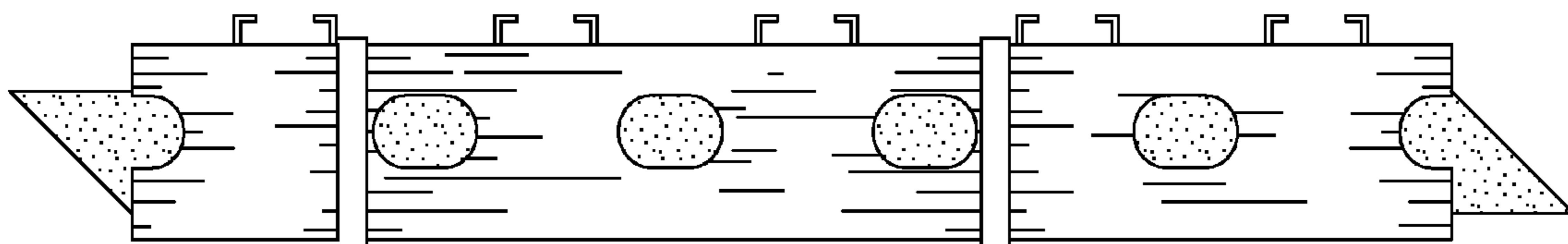




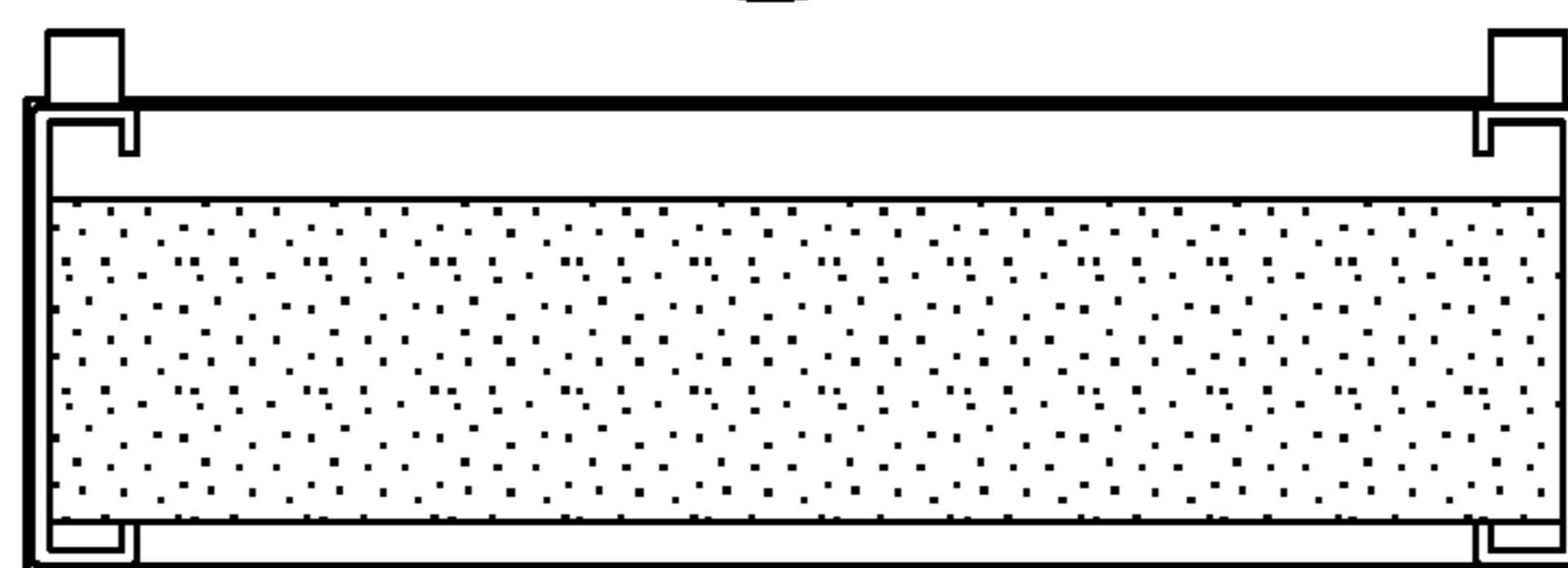
**Fig. 24**



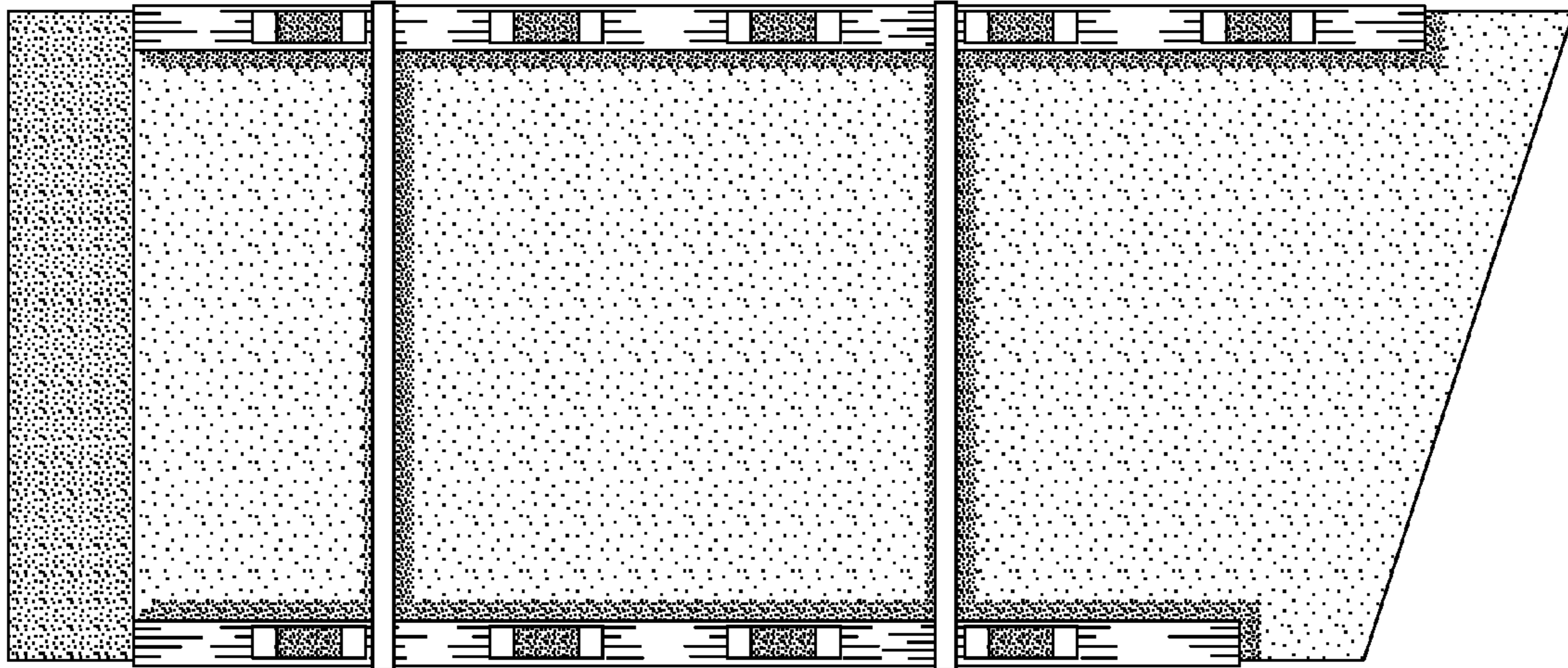
**Fig. 25**



**Fig. 26**



**Fig. 27**



**Fig. 28**

