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# United States Patent [19]

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Steinke et al.

[45] Date of Patent: **\*\* Jul. 13, 1993**

[54] DISC BRAKE SHIM

4,926,978 5/1990 Shibata et al. .... 188/73.1  
5,129,487 7/1992 Kobayashi et al. .... 188/73.1

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Sutherland

[\*\*] Term: **14 Years**

[57] **CLAIM**

[21] Appl. No.: **797,761**

The ornamental design for a disc brake shim, as shown.

[22] Filed: **Nov. 25, 1991**

**DESCRIPTION**

[52] U.S. Cl. .... **D12/180**

FIG. 1 is an elevated perspective of a disc brake insula-  
tor showing our new design;

[58] Field of Search ..... **D12/180; 188/73.1, 250 B**

FIG. 2 is a left side elevational view thereof;

[56] **References Cited**

FIG. 3 is a front elevational view thereof;

**U.S. PATENT DOCUMENTS**

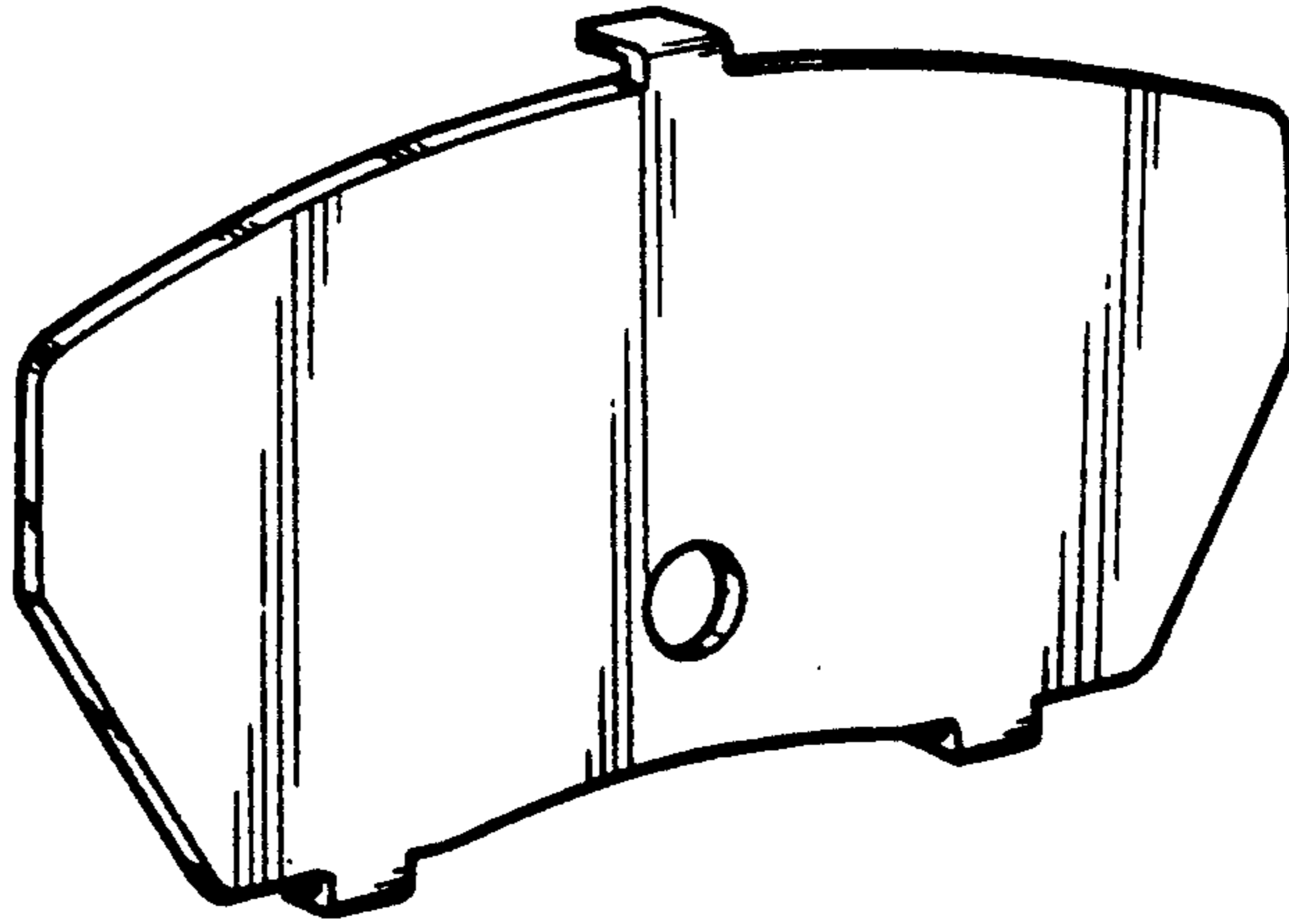
4,230,207 10/1980 Stahl ..... 188/73.1  
4,836,339 6/1989 Kobayashi et al. .... 188/73.1  
4,846,312 7/1989 Sweetmore et al. .... 188/73.1

FIG. 4 is a top plan view thereof;

FIG. 5 is a right side elevational view thereof;

FIG. 6 is rear elevational view thereof; and,

FIG. 7 is a bottom plan view thereof.



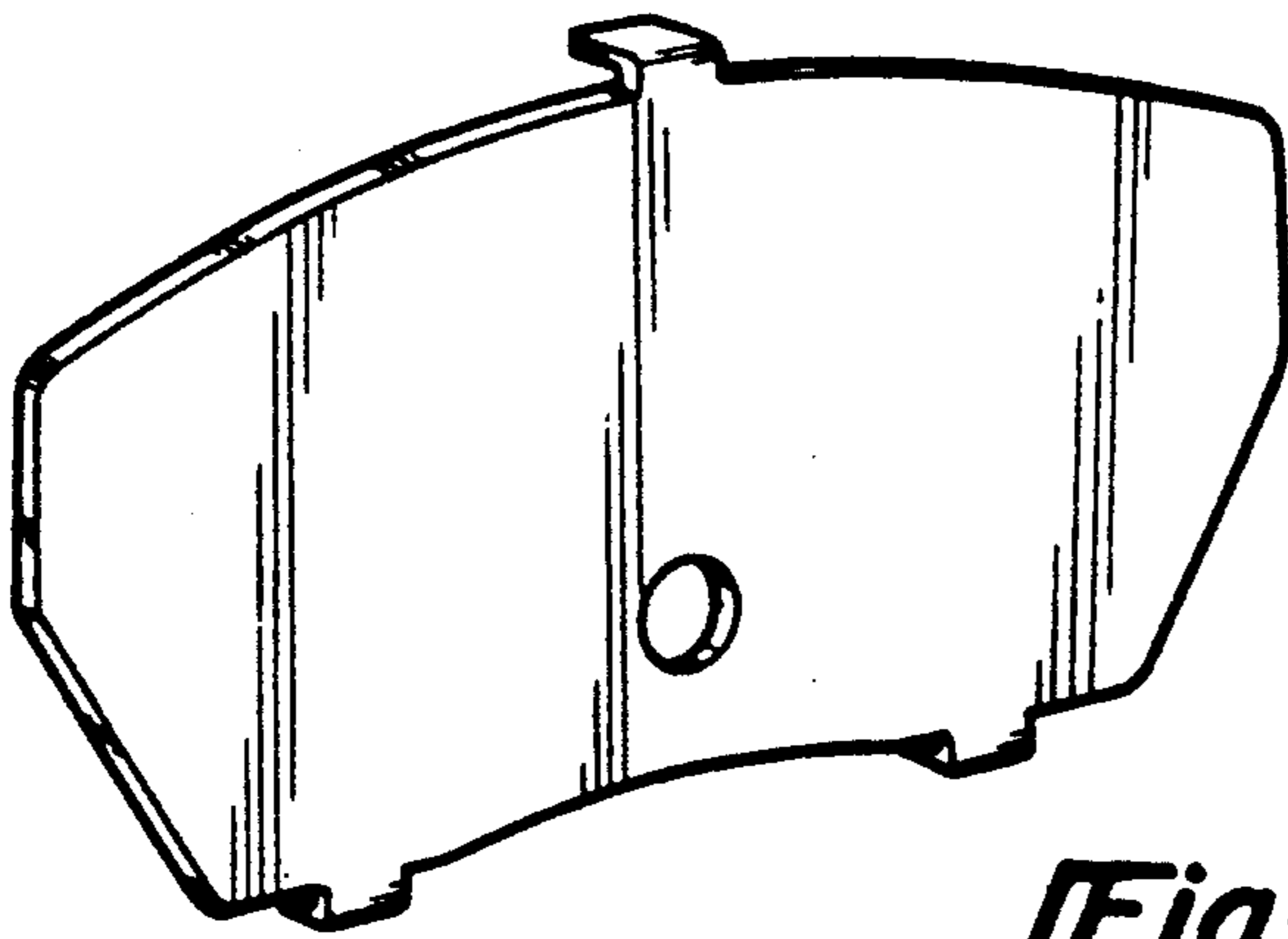


Fig-1

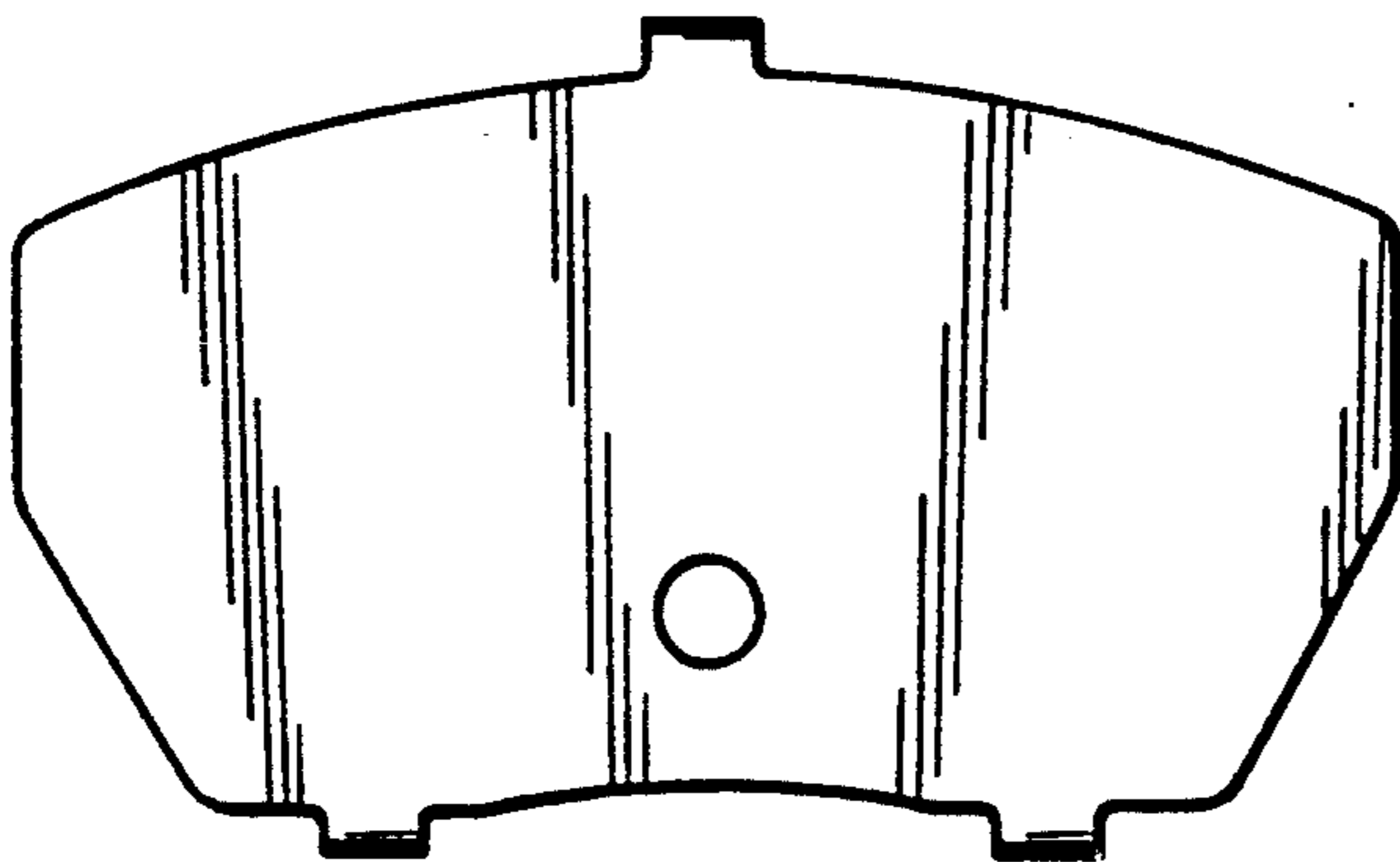


Fig-3



Fig-2



Fig-4



Fig-5

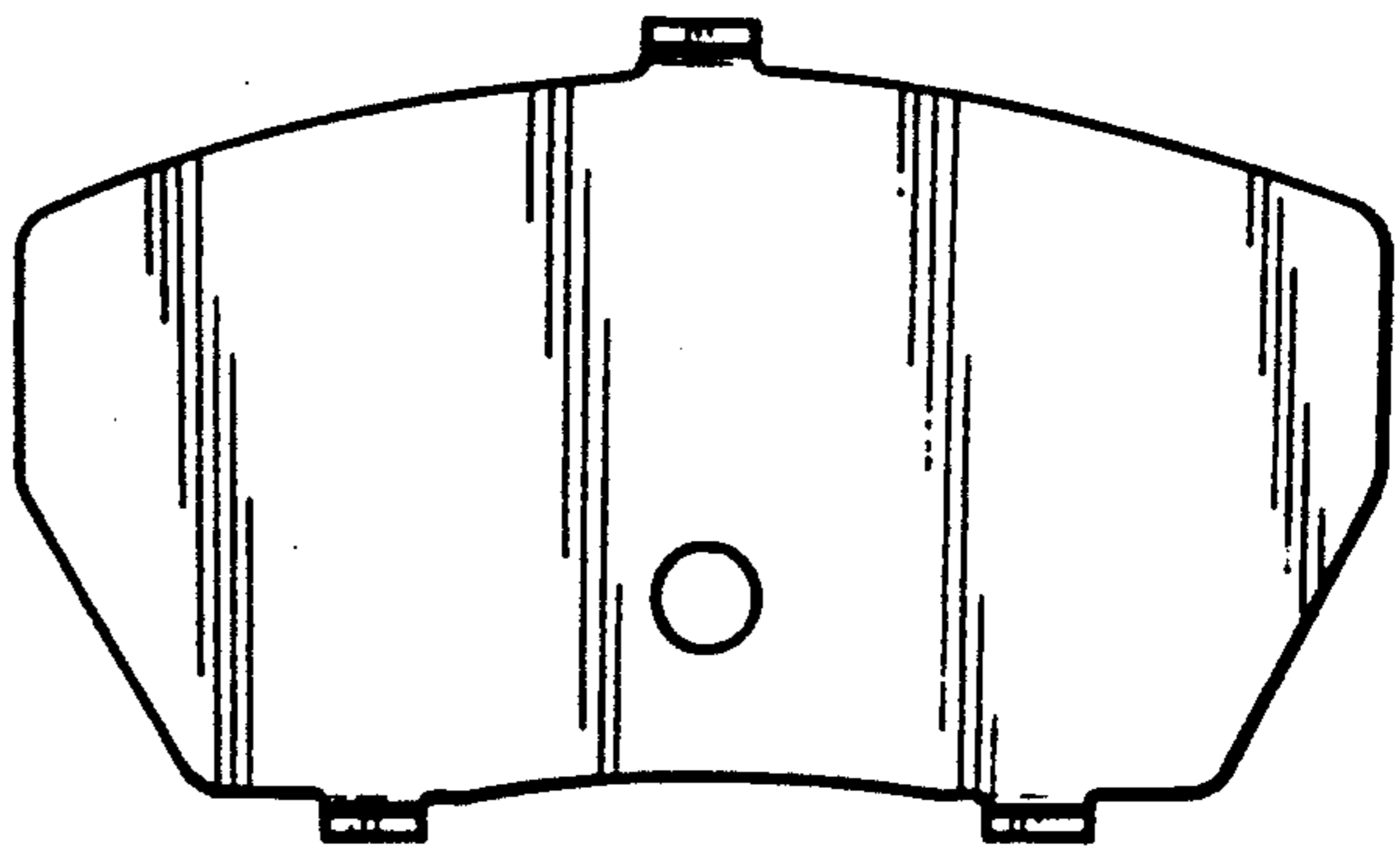


Fig-6

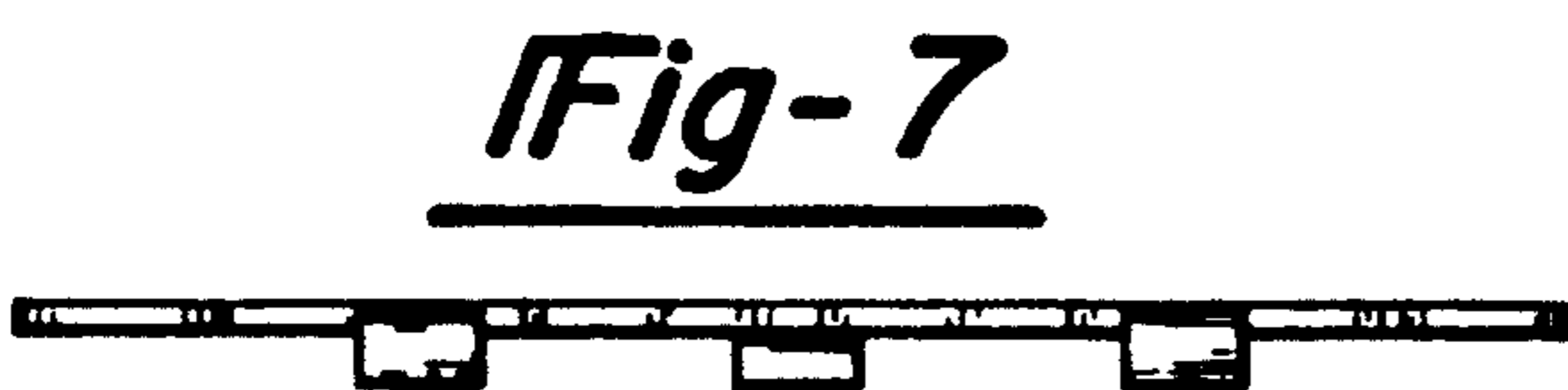


Fig-7