

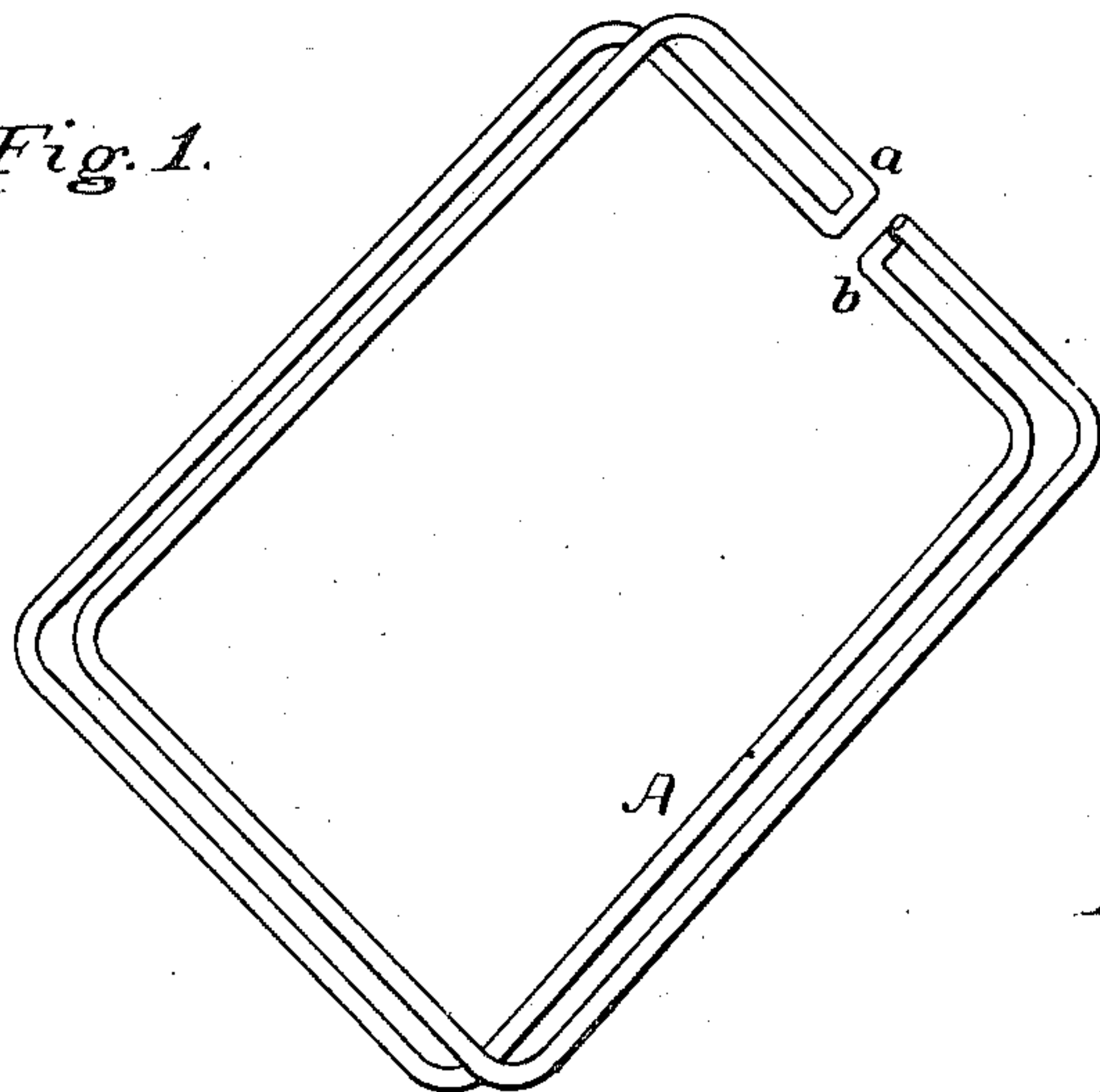
J. D. EMACK.

MUFFLER FOR SLATES AND SLATE FRAMES.

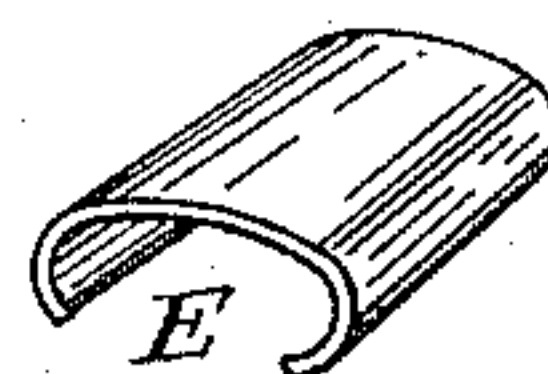
No. 298,740.

Patented May 20, 1884.

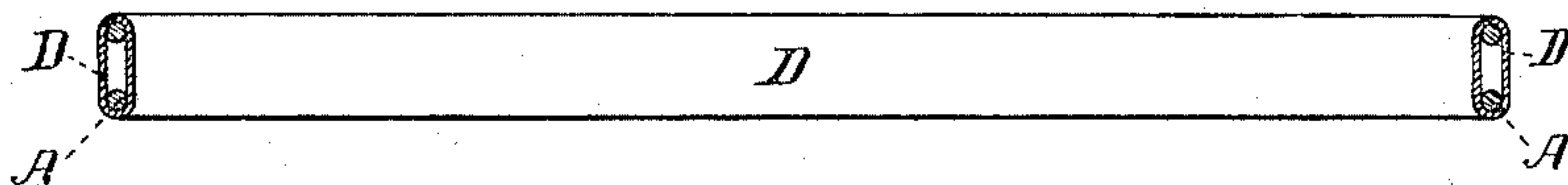
*Fig. 1.*



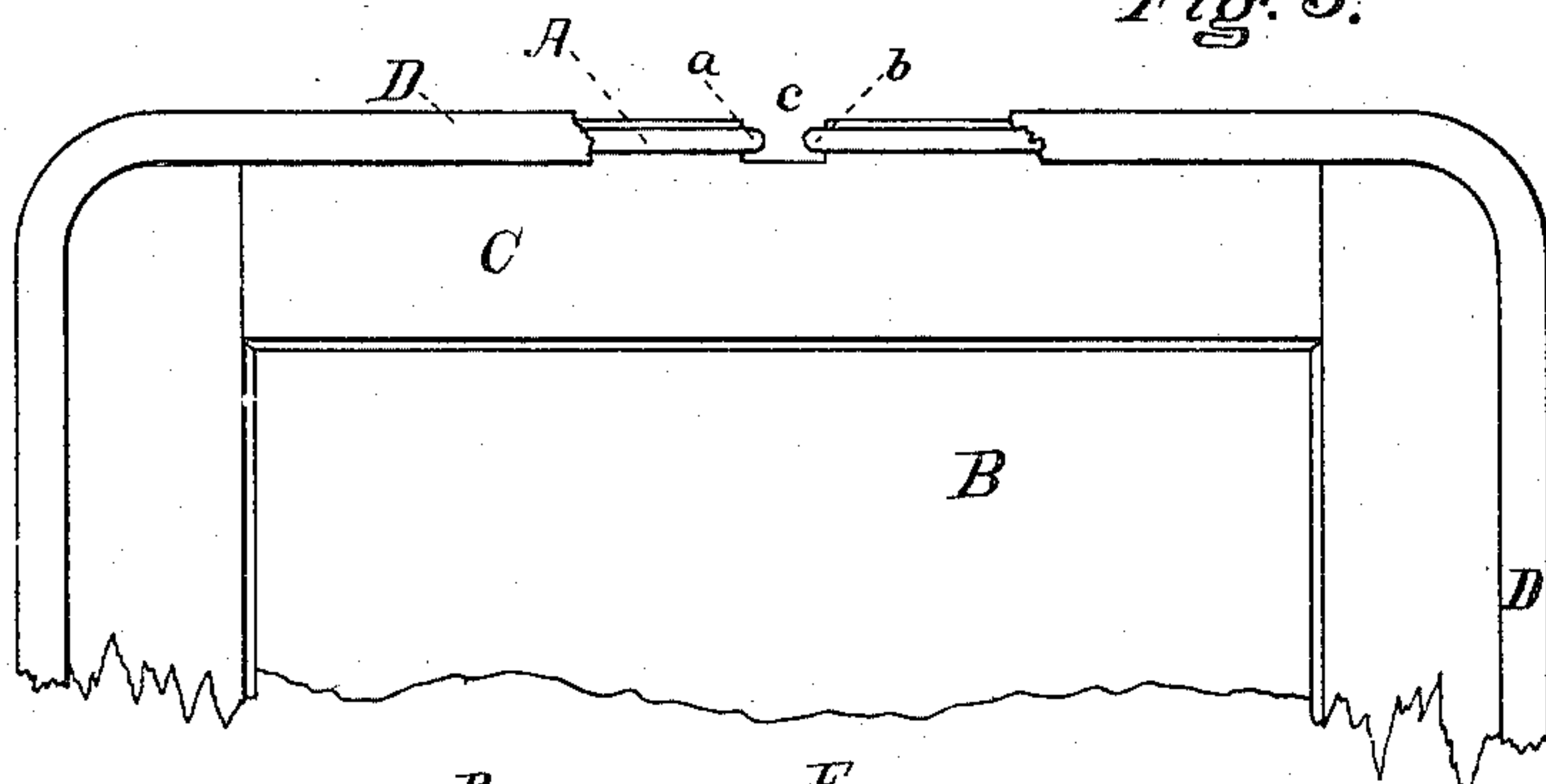
*Fig. 5.*



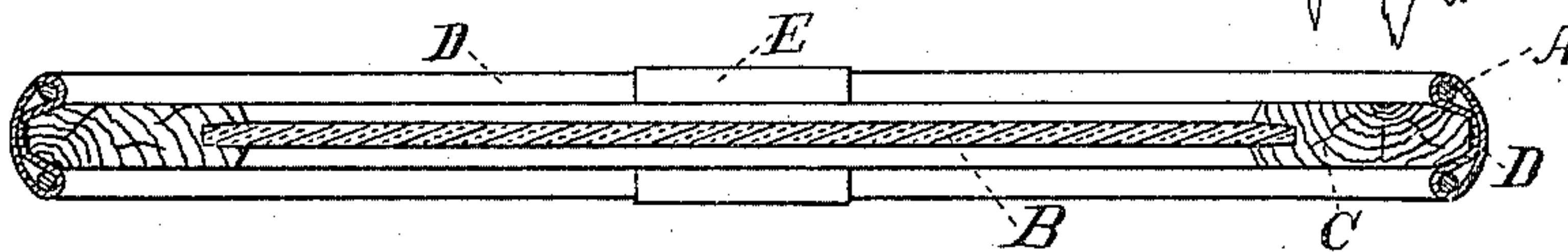
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



WITNESSES:

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(No Model.)

3 Sheets—Sheet 2.

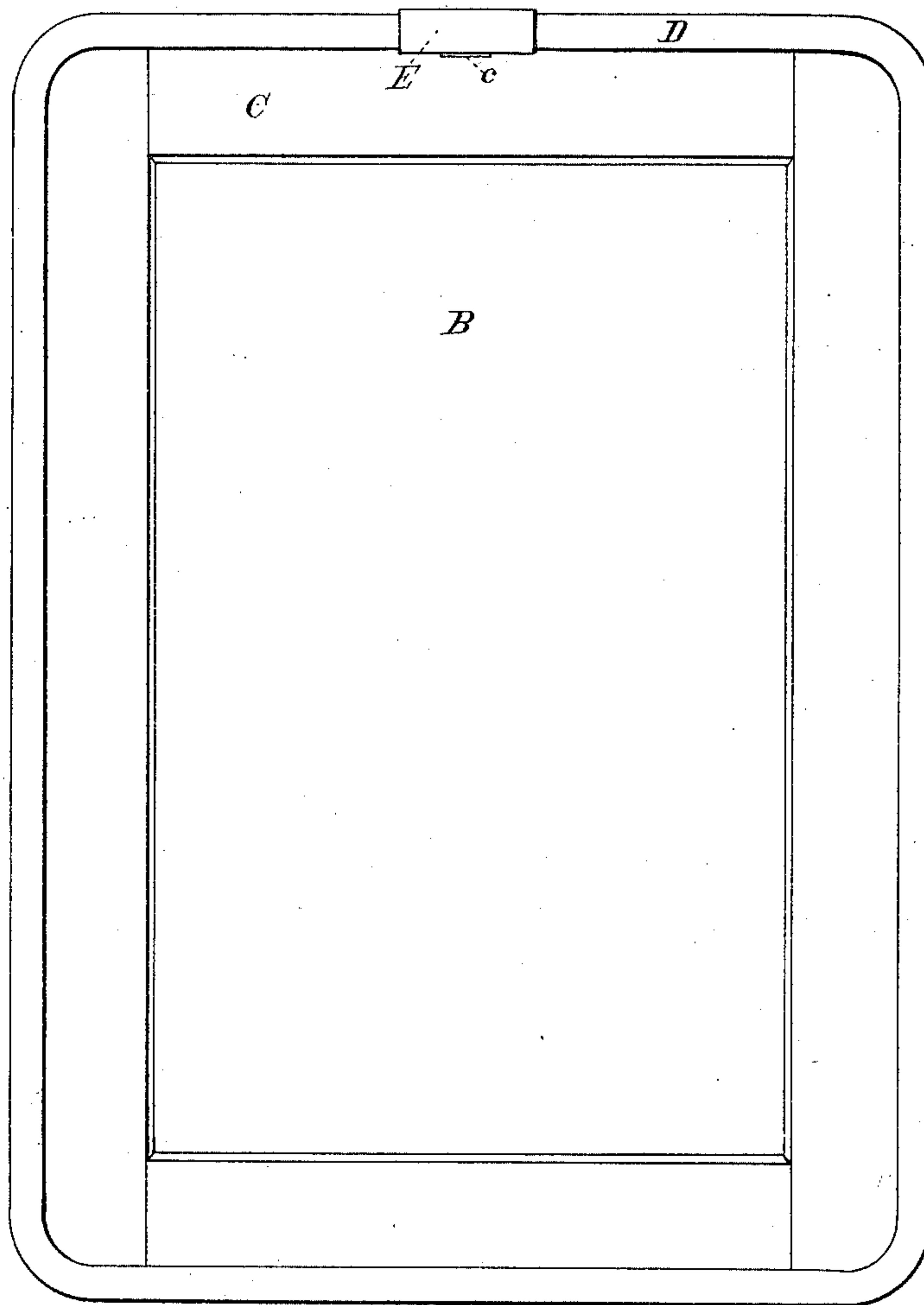
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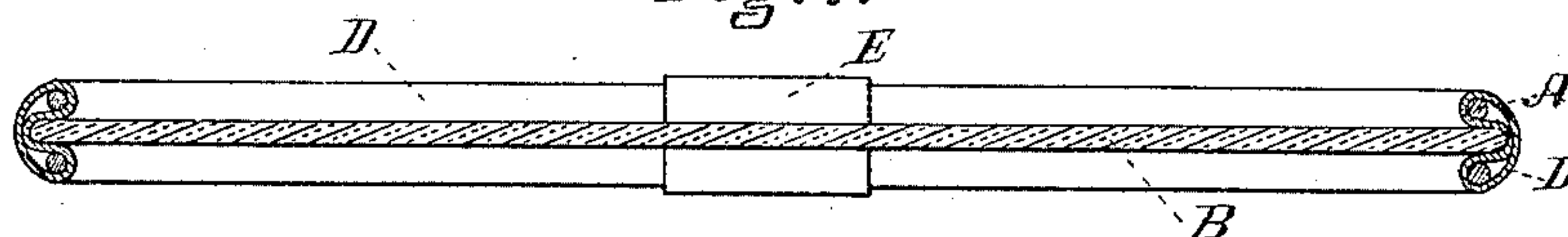
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*Fig. 6.*



*Fig. 7.*



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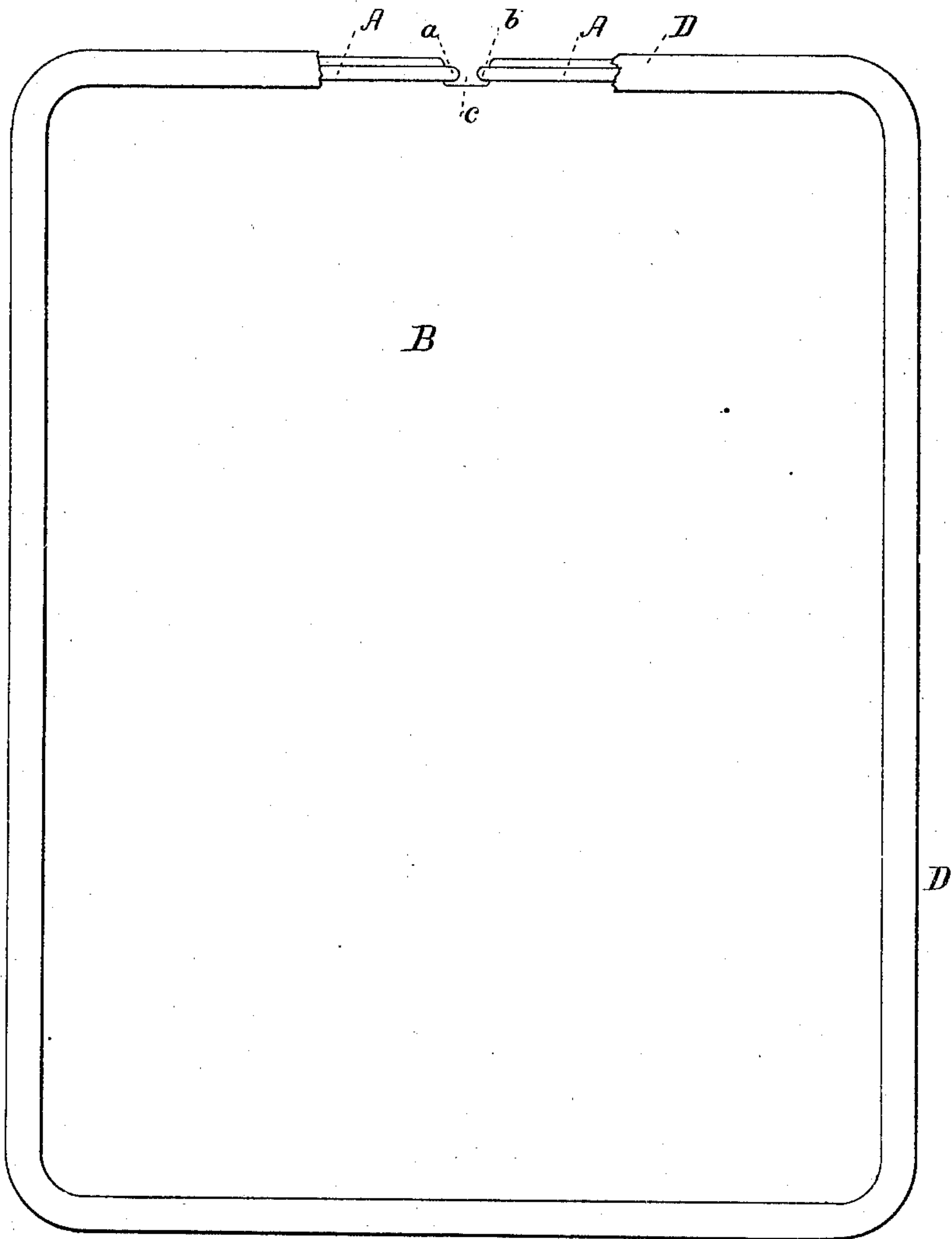
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*Fig. 8.*



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# UNITED STATES PATENT OFFICE.

JOHN D. EMACK, OF BALDWIN, NEW YORK.

## MUFFLER FOR SLATES AND SLATE-FRAMES.

SPECIFICATION forming part of Letters Patent No. 298,740, dated May 20, 1884.

Application filed April 14, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN D. EMACK, of Baldwin, Queens county, New York, have invented a new and useful Muffling Attachment 5 Applicable to School-Slates, and also to School-Slate Frames; and I do hereby declare that the following is a full, clear, and correct description of the same, reference being had to the accompanying drawings, making part 10 of this specification, and to the letters of reference marked thereon, in which—

Figure 1 is a perspective view of the spring-wire frame. Fig. 2 is a cross-section of the same covered with the muffling material. Fig. 15 3 is a plan view of one end of a slate, showing the nick in same in which the loops of the spring-wire frame are secured, the muffling material being partially removed. Fig. 4 is a cross-section of a slate inclosed in a 20 wooden frame, over which the muffler has been sprung. Fig. 5 is a perspective view of the metal clamp employed in connection with the muffler. Fig. 6 is a plan of a slate inclosed in a wooden frame, to which the muffler has been applied. Fig. 7 is a cross-section of a slate to which the muffler has been 25 applied. Fig. 8 is a plan view of a slate nicked to receive the ends of the muffler.

In the drawings, like parts of the invention 30 are designated by the same letters of reference.

The nature of the present invention relates to the construction of an improved muffling device formed from spring-wire, over which is stretched a fibrous or textile material, and 35 which it is intended shall be sprung over a slate or slate-frame and properly held in position upon the same either by means of a metal clamp or binder or otherwise, the object of the invention being by the use of the 40 muffling device to render the slate or slate-frame to which it has been applied noiseless when turned over upon the desk or support upon which it is placed.

To enable those skilled in the arts to make

and use my invention, I will describe the 45 same.

A shows a frame composed of spring-wire of the proper size to be sprung over the slate B or slate-frame C, and formed so that one end of the wire shall form a loop, *a*, while its opposite end shall be provided with a loop, *b*, 50 formed by soldering the ends together, the spring-wire in the formation of the frame being bent so that two thicknesses of wire parallel with each other shall form the frame, 55 with sufficient space between them to receive the slate B or slate-frame C. Over the framework A so formed the muffler, composed of fibrous or textile material D, is stretched. When applied to a slate, B, one end of the 60 slate is nicked, as at *c*, over which the loops *a* and *b* of the spring-metal frame are passed and held in position by the elasticity of the wire of which the frame-work A is formed, and a half-round clamp, E, formed of sheet metal 65 and placed over the ends or loops of the framework A and the slate B. When used in connection with a slate-frame, C, the sides of the frame are slightly beveled, the frame is nicked, as in the case of the slate B, and the mode of 70 applying the muffling device and retaining the same in position is precisely the same as in the case of the slate B.

The muffling device can be afforded at a low cost, is easily applied to slates or slate- 75 frames, and will answer the purpose for which it is intended thoroughly.

Having now described my invention, I claim as new and desire to secure by Letters Patent—

An improved muffling device for slates or 80 slate-frames, composed of a frame-work, A, formed of spring metal, over which is stretched a fibrous or textile material, D, substantially as and for the purposes specified.

JOHN D. EMACK.

In presence of—

WILLIAM V. H. HICKS,  
A. SIDNEY DOANE.