

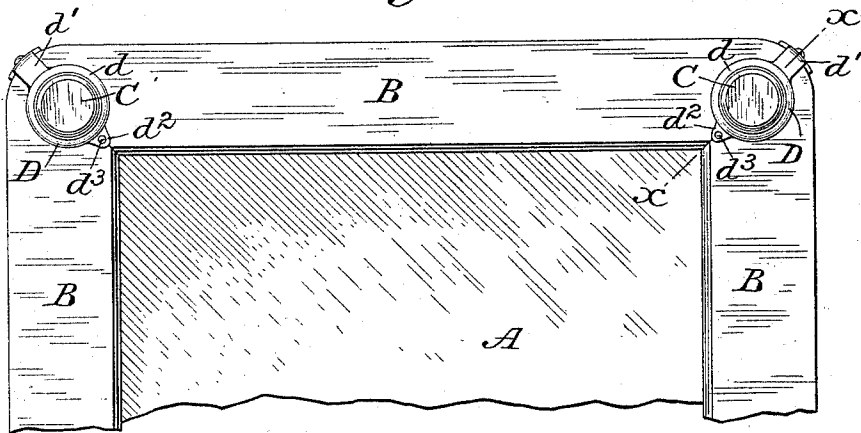
(No Model.)

R. KOHLER.  
SLATE MUFFLER.

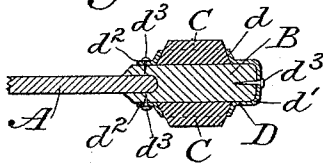
No. 485,802.

Patented Nov. 8, 1892.

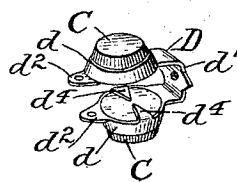
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Attest:*

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# UNITED STATES PATENT OFFICE.

RICHARD KOHLER, OF BROOKLYN, NEW YORK.

## SLATE-MUFFLER.

SPECIFICATION forming part of Letters Patent No. 485,802, dated November 8, 1892.

Application filed May 7, 1892. Serial No. 432,112. (No model.)

*To all whom it may concern:*

Be it known that I, RICHARD KOHLER, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Slate-Mufflers; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The object of my invention is to produce an improved muffler for school-slates which may be readily applied to the slate-frame and shall add very little to the cost of the slate. Heretofore various devices have been used for this purpose, such as strips of cloth or rubber secured to the frame by tacks or cement or corner-pieces of rubber molded to fit the corner of the frame and secured in place by various means. All of these devices have failed to come into common use by reason of their expensiveness or of their liability to become detached.

My invention provides a holder by which muffling-pads cut directly from a sheet of felt or rubber or other suitable material are held securely in place without being liable to become detached.

In the drawings, Figure 1 is a front view of a portion of a slate having my improved muffler applied thereto. Fig. 2 is a section on the line *x x* of Fig. 1. Fig. 3 is a perspective view of the improved muffler detached.

The slate A and frame B may be of any ordinary description, and the improved muffler may be applied thereto either at the corners, as shown in Fig. 1, or at any other convenient points on the ends or sides. The muffler consists, essentially, of a pad or pads C C, of rubber, felt, or other suitable material, cut directly from the sheet or molded or otherwise formed in any convenient manner, and a

holder D therefor, which is cut or stamped or struck out from thin sheet metal. The holder consists of two rings *d d*, upturned and inwardly inclined, as shown, and a connecting-band *d'*. Ears *d<sup>2</sup> d<sup>2</sup>* may be formed with the rings, and both the ears and the connecting-band may be perforated to receive the tacks *d<sup>3</sup>*, by which the muffler is secured to the frame. Ears *d<sup>4</sup>* may also be formed with the rings and adapted to be turned inwardly to secure the pads within the rings, so that the device may be sold in a form ready for application to the slate. The holder D is itself inexpensive to manufacture; but the chief saving is in the use of pads, which require very little manipulation or waste of material in their manufacture.

I have herein shown the pads as circular and have referred to the holder as formed with a "ring" to receive the pad; but it is obvious that the pad and ring may be made in any other convenient form.

I claim as my invention—

1. The herein-described muffler for slates, comprising pads and a holder therefor having rings upwardly and inwardly inclined to receive the pads and united by a connecting-band, substantially as shown and described.

2. In a slate-muffler, the combination of pads and a holder therefor, consisting of upwardly and inwardly tapering rings and united by a band, said rings having ears bent inwardly to hold the pads therein, substantially as shown and described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

RICHARD KOHLER.

Witnesses:

A. N. JESBERA,  
A. WIDDER.