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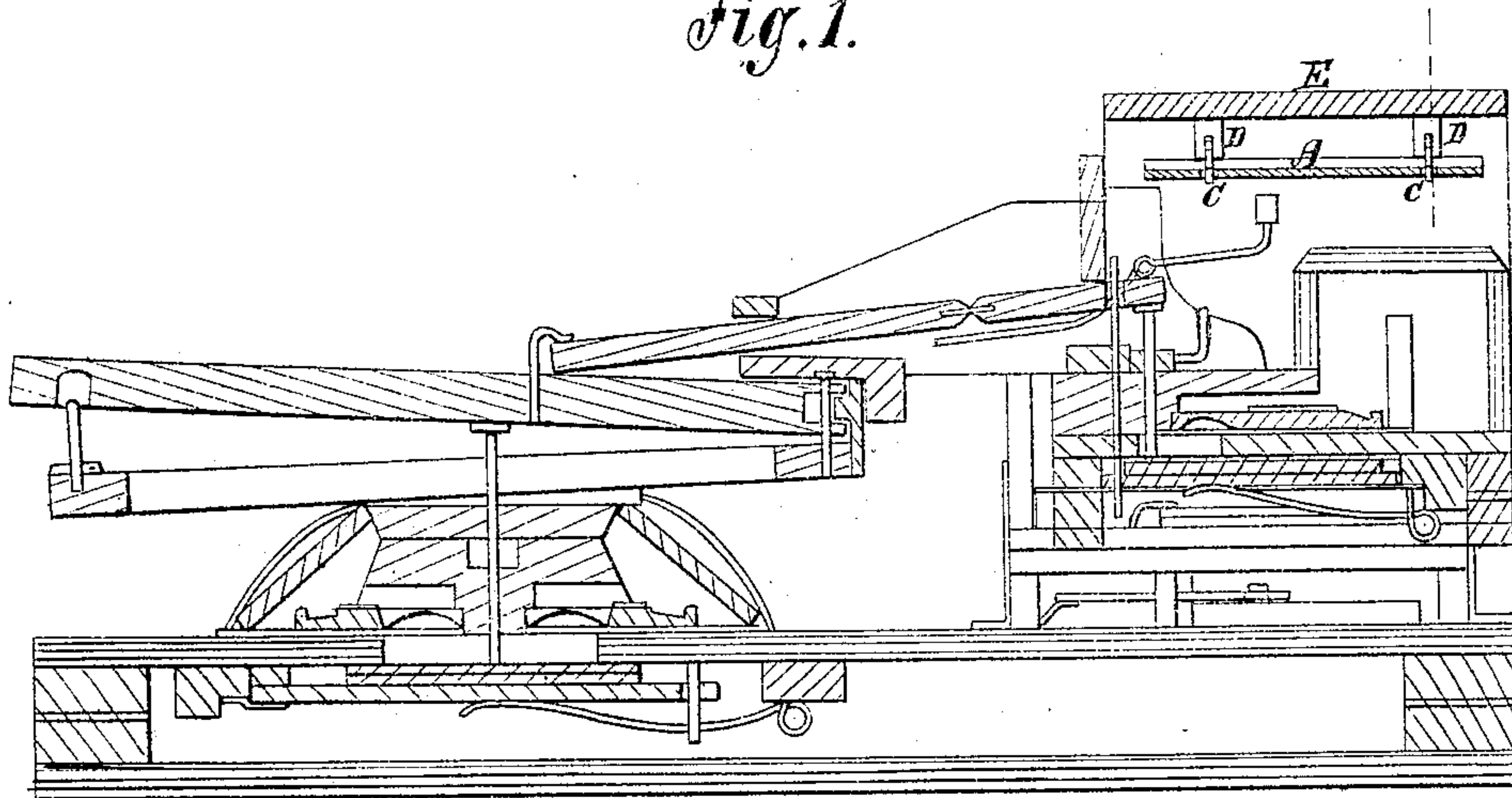
CARL LEHNERT.

Improvement in Chimes for Reed and Pipe Organs, &c.

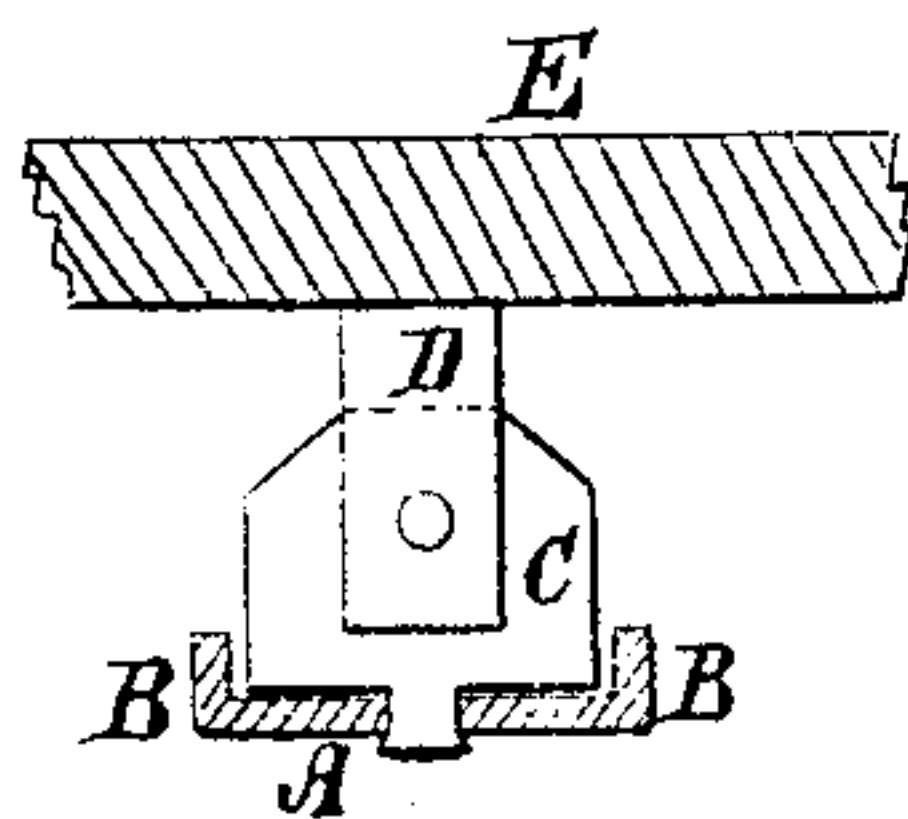
No. 121,790.

Patented Dec. 12, 1871.

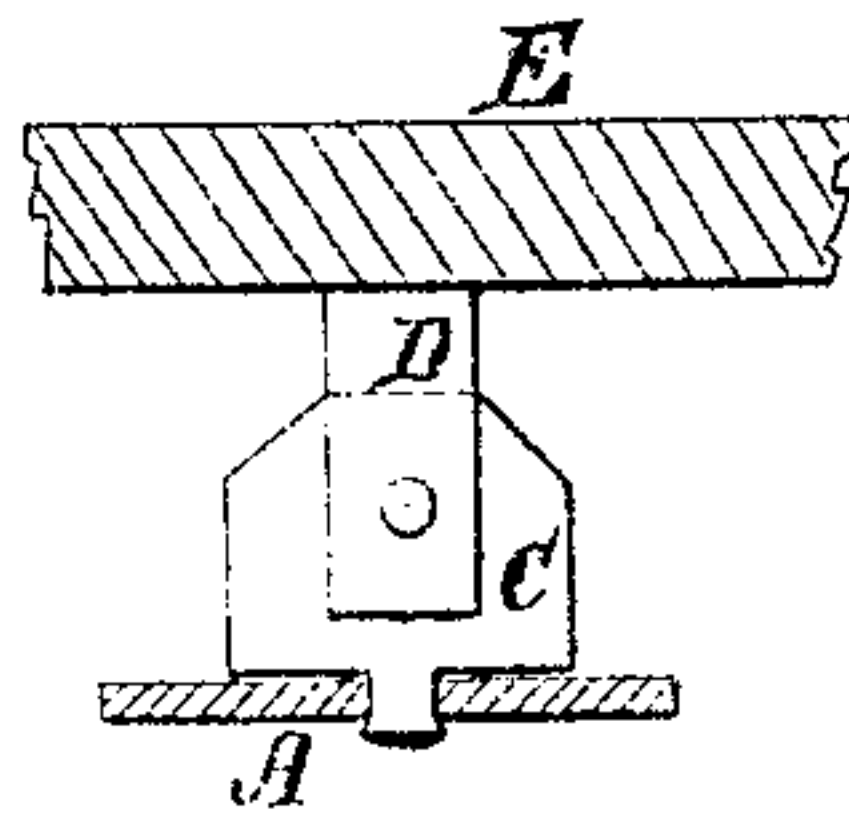
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



**Witnesses:**

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# UNITED STATES PATENT OFFICE.

CARL LEHNERT, OF BOSTON, MASSACHUSETTS.

## IMPROVEMENT IN CHIMES FOR REED AND PIPE ORGANS, &c.

Specification forming part of Letters Patent No. 121,790, dated December 12, 1871.

*To all whom it may concern:*

Be it known that I, CARL LEHNERT, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain Improvements in Chimes for Reed and Pipe Organs and other Instruments; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

My invention consists in having the steel bars or plates used for chimes in pipe and reed organs and other instruments flanged at each edge to improve and strengthen the tones of said plates, which have heretofore been only used in plane flat form.

Figure 1 is a transverse section of the "action" of a reed organ and longitudinal section of one of the said plates, showing one way in which these chimes may be applied to a reed organ. Fig. 2 is a cross-section of one of the chimes as I propose to make them; and Fig. 3 is a cross-section, showing the form in which they have been heretofore used, both in pipe and reed-or-

gans, to which they have been applied by the Hooks of Boston, and others.]

My invention consists only in having these chime-plates or bars of steel A flanged at the edges, as clearly shown in Fig. 2, at B, instead of making them plane and flat, as shown at A, Fig. 3, whereby I greatly improve the volume and strength of the tones. It also makes more harmonious tones. The India-rubber pieces C, short bars D, and plates E are merely introduced to show the manner of suspending the said chimes, and the sectional Fig. 1, of a reed organ, is introduced to show the relative arrangement of the said chimes to the other parts A in the said figure indicating said chimes.

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

A metal chime for pipe and reed organs and other instruments, flanged at the edges, substantially as specified.

CARL LEHNERT.

Witnesses:

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