

(No Model.)

J. McMAHEL.

MOUTH HARP.

No. 320,440.

Patented June 16, 1885.

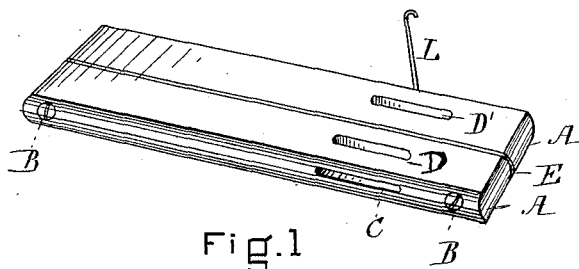


Fig. 1

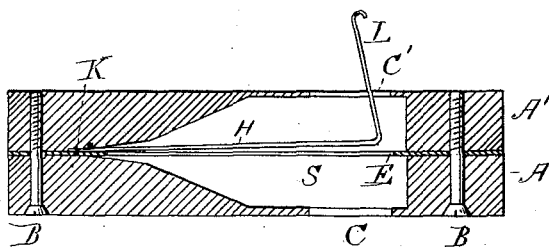


Fig. 2.

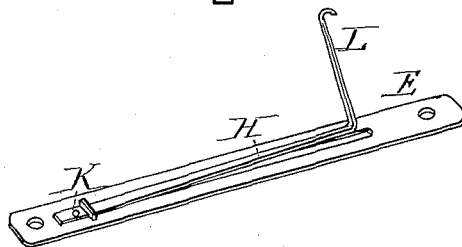


Fig. 3.

WITNESSES

*Chas. Spaulding*  
*Albert D. Spover*

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*by Frank G. Parker atty.*

# UNITED STATES PATENT OFFICE.

JOHN McMAHEL, OF LOUISVILLE, KENTUCKY.

## MOUTH-HARP.

SPECIFICATION forming part of Letters Patent No 320,440, dated June 16, 1885.

Application filed April 27, 1885. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN McMAHEL, of Louisville, in the county of Jefferson and State of Kentucky, have invented a new and useful Improvement in Mouth-Harps, of which the following, taken in connection with the accompanying drawings, is a specification.

The object of my invention is to combine with the ordinary tongue of a jew's-harp a plate and mouth-box, all so arranged that the user may play the instrument with much more ease and comfort than the ordinary jew's-harp. This object I accomplish by the mechanism shown in the accompanying drawings, in which—

Figure 1 is a perspective view of my instrument. Fig. 2 is a horizontal section of the same, and Fig. 3 is a perspective view showing the plate and reed detached.

In the drawings, A A' represent the case of the instrument, which may be made of wood or metal, as may be deemed desirable. Between the pieces A A', I place a plate, E. (Shown in full in Fig. 3.) This plate E is firmly held in place between the parts A A' by the screws B B. In Fig. 3 the plate E is shown

in full in perspective. The reed H is riveted to the plate by a rivet, K, and has at its end a prolongation, L, which serves as a finger-piece for the user to play upon.

C, Figs. 1 and 2, is an opening into the chamber S, which admits of a current of air from the mouth of the player, C' being an opening for the escape of the current of air, and is also a free space for the action of the finger-piece L. D is an opening which may be covered by the lip to change the intensity of sound, and D' is an opening which may be closed by the finger or by a sliding valve.

I claim as my invention—

The combination of the plate E and reed H, having a finger-piece, L, with the case A A', substantially as described, and for the purpose set forth.

In testimony whereof I, JOHN McMAHEL, have signed my name to this specification, in the presence of two subscribing witnesses, on this 22d day of April, A. D. 1885.

JOHN McMAHEL.

Witnesses:

ELIJAH S. WATTS,  
W. W. WATTS.