

No. 736,756.

PATENTED AUG. 18, 1903.

H. C. MARTIN.  
CORNET.

APPLICATION FILED FEB. 9, 1903.

NO MODEL.

2 SHEETS—SHEET 1.

FIG. 1.

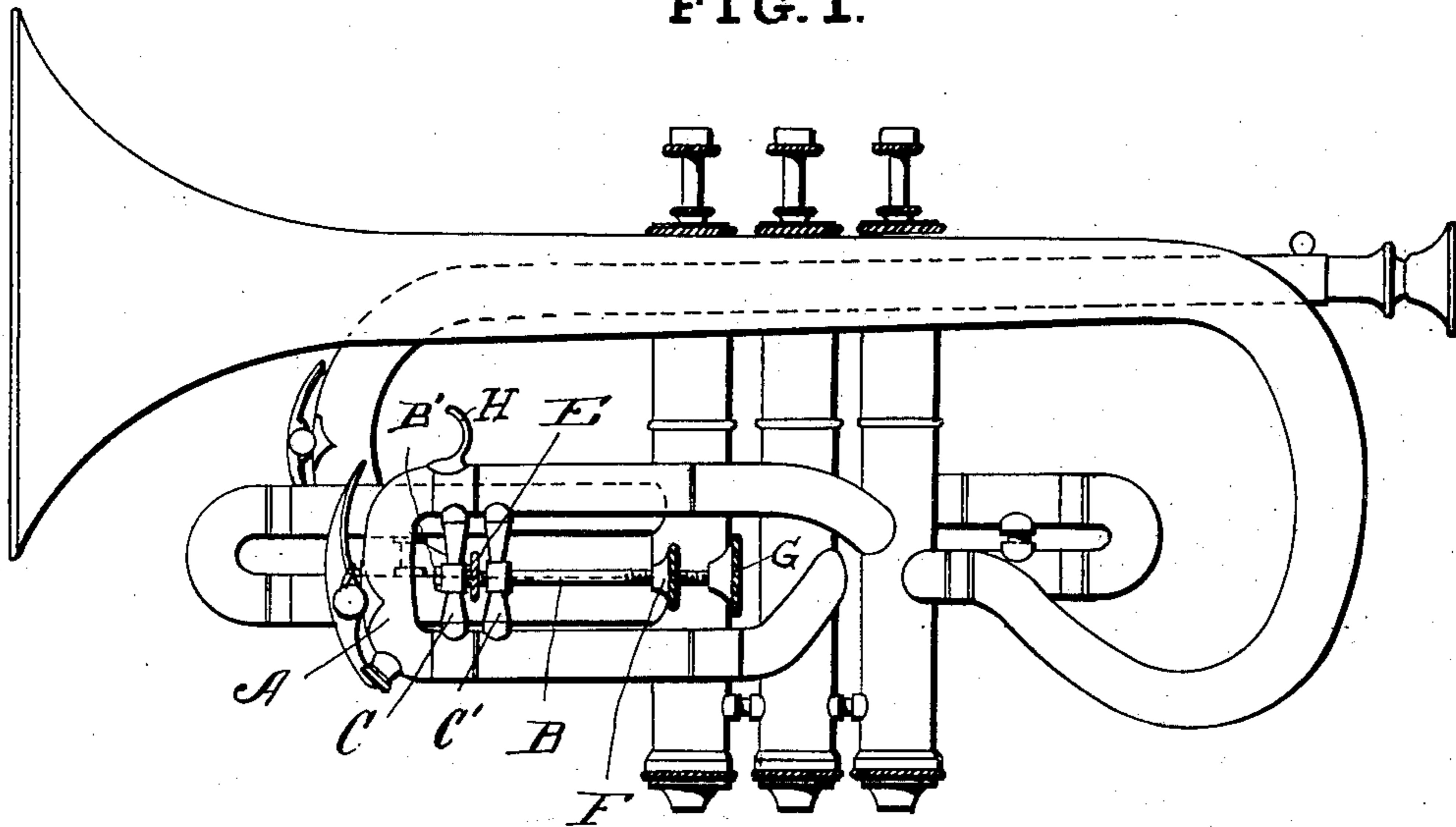
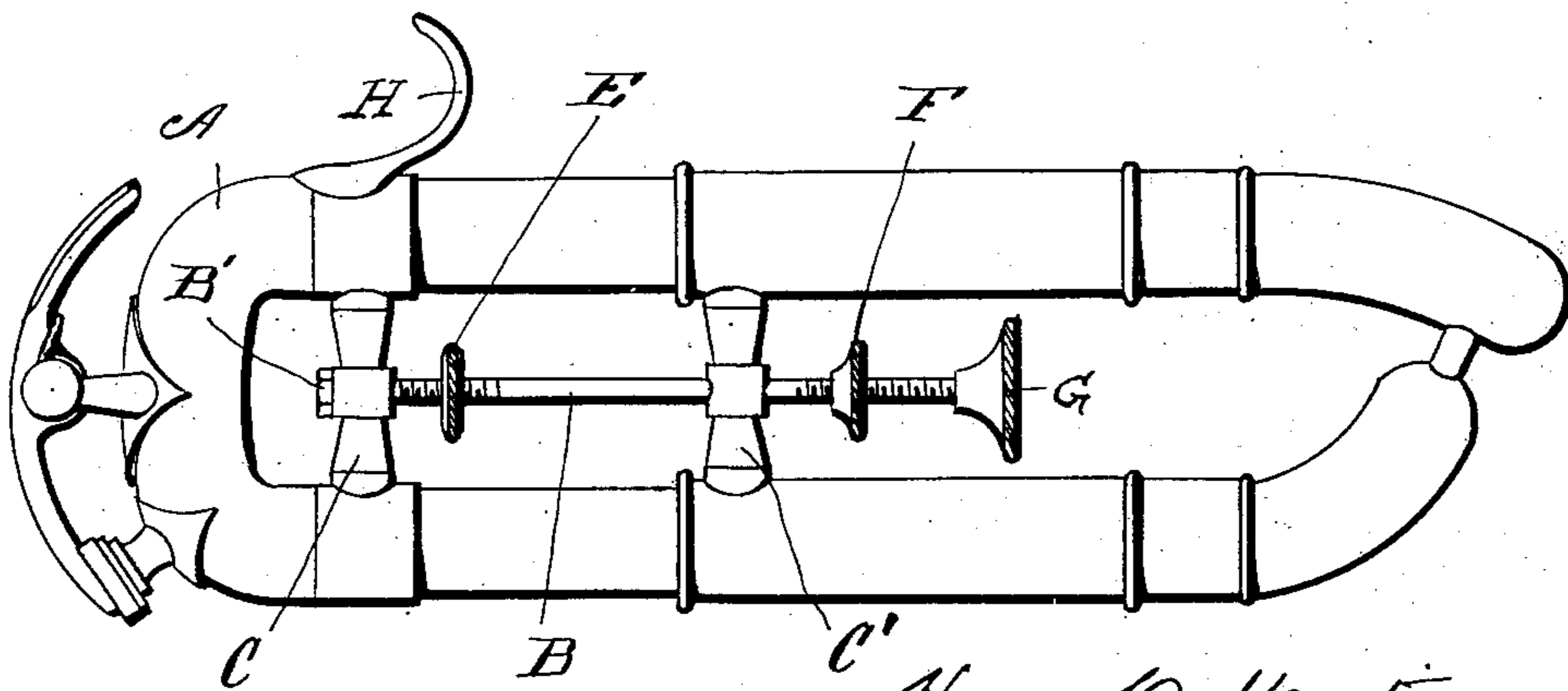


FIG. 2.



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2 SHEETS—SHEET 2.

NO MODEL.

FIG. 3.

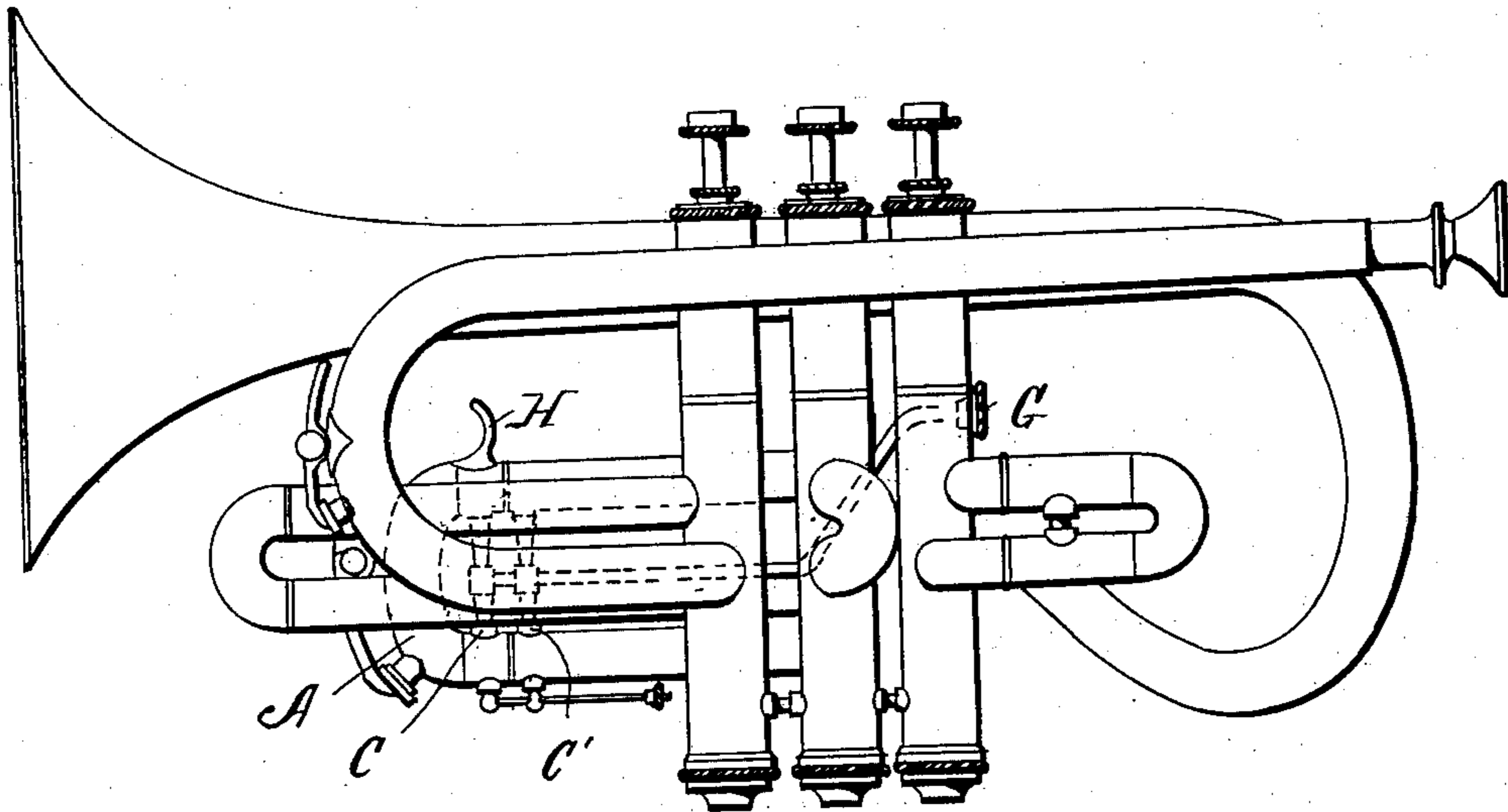
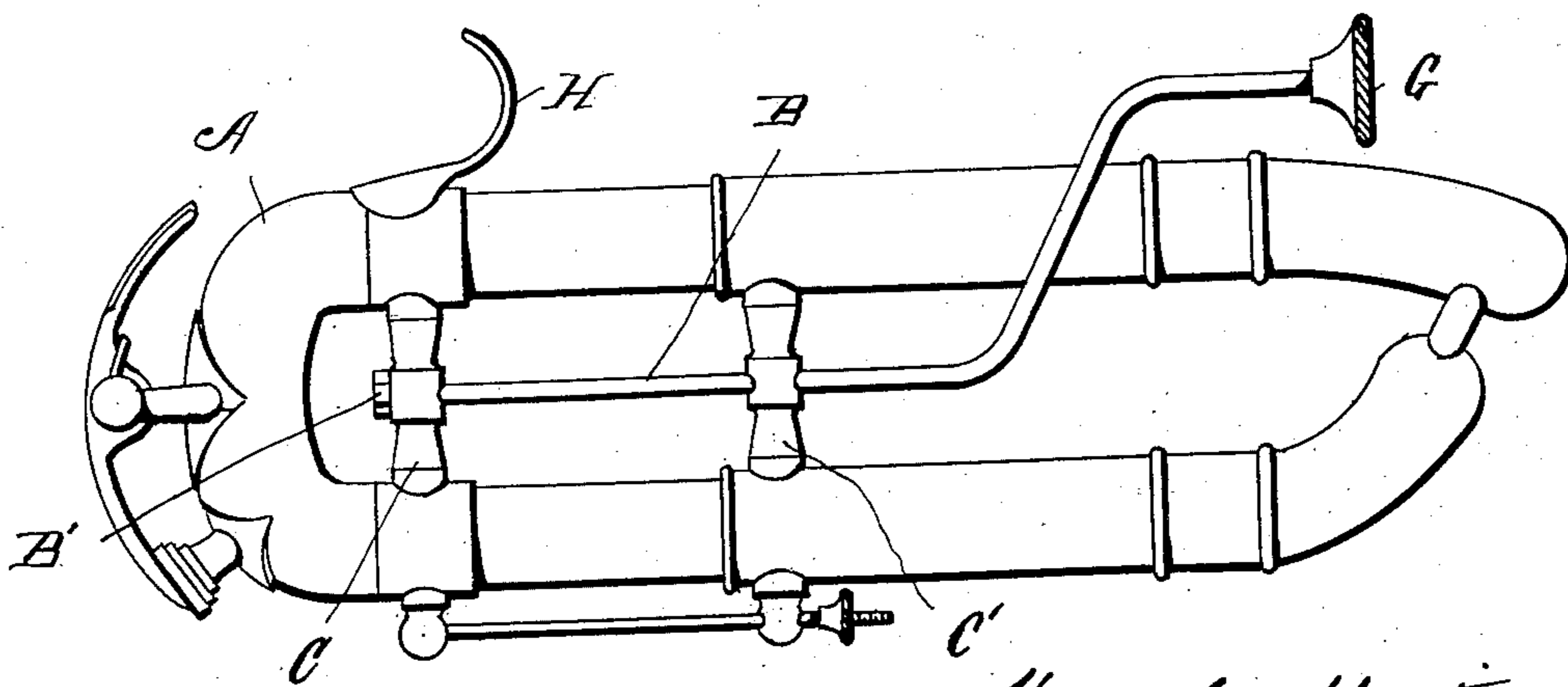


FIG. 4.



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# UNITED STATES PATENT OFFICE.

HENRY CHAS. MARTIN, OF GRAND RAPIDS, MICHIGAN.

## CORNET.

SPECIFICATION forming part of Letters Patent No. 736,756, dated August 18, 1903.

Application filed February 9, 1903. Serial No. 142,520. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY CHAS. MARTIN, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Cornets, of which the following is a specification.

This invention relates to certain new and useful improvements in cornets; and it has for its object, among others, to provide a simple and efficient means for instantaneously changing the key of the instrument—say, from B-flat to A. I connect the first and second valve by slides, thereby permitting the maker to employ more tapered tubing, thus giving the cornet a better tone and putting it in more perfect tune. By the construction herein shown and described by pushing out the slide in the rear it places the cornet in the key of A without taking the hand entirely from the instrument, and by means of the hook on the top of the slide it can easily be returned to B again by drawing the slide inward with the little finger of the left hand and again pushed back to the key of A by forcing it out by the thumb of the left hand, and the cornet is left in perfect tune, thus changing from one key to the other. The valve-slides do not have to be pulled out, the cornet is always in tune without touching said slides, when changing from one key to the other or from high to low pitch or from low to high. By the construction shown the fingers of the right hand do not have to be removed when playing and changing from one key to another, it being simply necessary to push out the slide with the thumb of the left hand or pull in the slide with the little finger, leaving the fingers of the right hand free to change the valves while playing. It will thus be understood that the change can be made practically instantaneous.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be particularly pointed out in the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a side elevation of a cornet embodying my invention.

Fig. 2 is an enlarged view of the U-shaped key-changing slide removed. Fig. 3 is a side elevation of a cornet, showing a modified form of construction. Fig. 4 is an enlarged elevation of the key-changing slide shown in Fig. 3.

Like letters of reference indicate like parts in the different views.

Referring now to the details of the drawings, A designates the U-shaped key-changing slide, which is provided with a rod B, held in place in the braces C C', the former of which is held between parallel portions of said slide, while the brace C' connects parallel portions of the fixed part of the instrument, and in which latter said slide reciprocates, said rod screwing into the brace C and held in place by a nut B', engaged with said screw-threaded end outside the brace. Between the two braces, on the rod B, is a nut E, having a milled periphery, and which nut in case the cornet becomes a little sharp serves to allow the key-slide to be lengthened and to secure the key-slide in such position, thus bringing the instrument in tune. On the rod B, between the brace C' and the adjacent end of said rod, is a nut F, adjustable thereon, so that the slide can be pushed out only so far as may be desired by the performer. G is a thumb-piece attached to the rod B for lengthening the U-shaped slide, while H is a finger-piece for shortening the same.

In the modified form of my invention, as seen in Figs. 3 and 4, the stop device is fastened on the under tube of the U-shaped slide, while the rod between the tubing extends in a curved direction to a convenient point of the instrument and is provided at its end with a thumb-piece, it being understood that the end of the rod B seen in Figs. 1 and 2 is likewise provided with a thumb-piece.

What I claim as new is—

1. In a cornet, a key-changing slide, a rod connected therewith and disposed between and parallel with the side portions of the slide, said rod being fixedly attached at one end to the slide and its other end movably attached to some fixed part of the instrument.

2. A cornet, a key-changing slide, a brace connecting the parallel portions thereof, a fixed brace, and a rod disposed between and

parallel with the opposite parallel portions and movable through one of said braces and attached to the other.

3. In a cornet, a key-changing slide, braces  
5 one of which connects the side portions thereof, a rod movable through one of said braces and attached to the other, and an adjusting-nut on the rod between the braces.

4. In a cornet, a key-changing slide, braces  
10 one of which connects the side portions thereof, a rod movable through one of said braces and attached to the other, an adjusting-nut on the rod between the braces, and an adjusting-nut on said rod for limiting the movement  
15 thereof.

5. In a cornet, the combination with the key-changing slide, of means for moving the same, comprising a rod disposed parallel with

the side portions of the slide, a brace connecting said side portions and in which one end  
20 of said rod is secured, and a stop for limiting the movement thereof.

6. In a cornet, the combination with the key-changing slide, of braces one of which  
25 connects the side portions thereof, a rod movable through one brace and screw-threaded into the other, a nut on one end of said rod, a nut adjustable on the rod adjacent the slide, and means whereby said rod may be pushed  
30 endwise, as and for the purpose specified.

In testimony whereof I affix my signature in presence of two witnesses.

HENRY CHAS. MARTIN.

Witnesses:

ALFRED JOHNSON,  
MATHIAS SCHOEMANN.