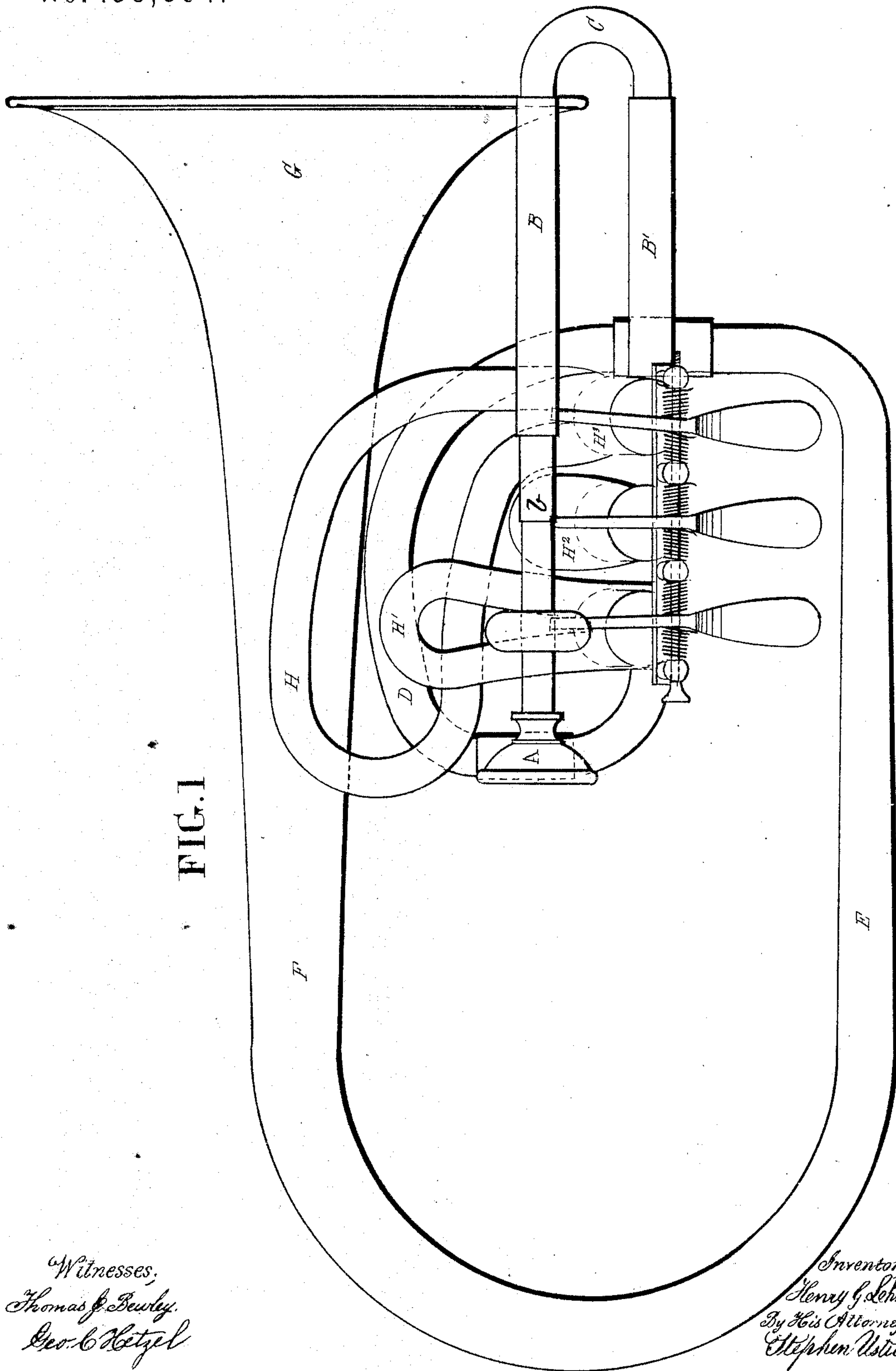


H. G. LEHNERT.
Brass Musical Instruments.

No. 158,594.

Patented Jan. 12, 1875.

FIG. 1



Witnesses,
Thomas J. Bewley.
Geo. C. Kitzel

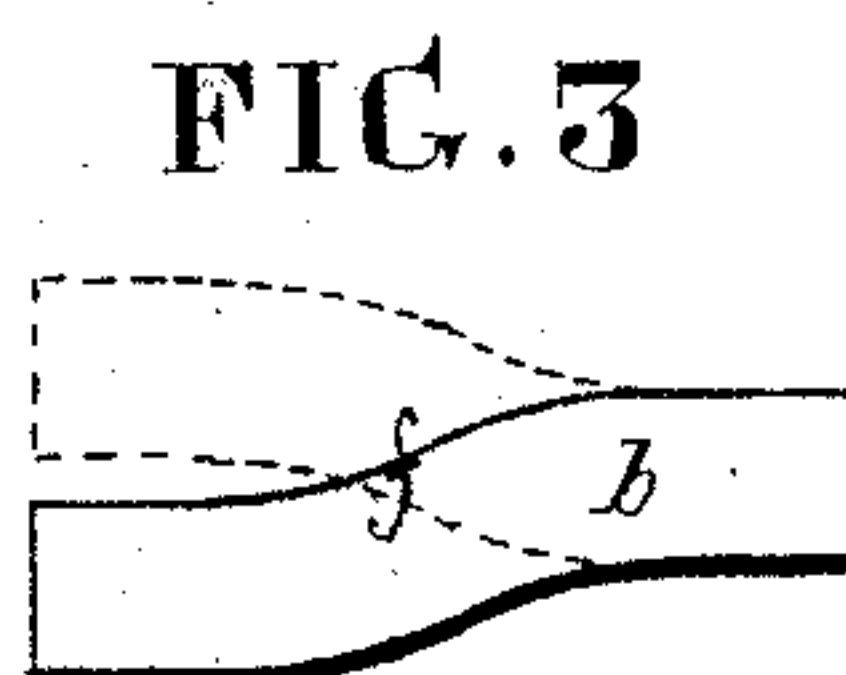
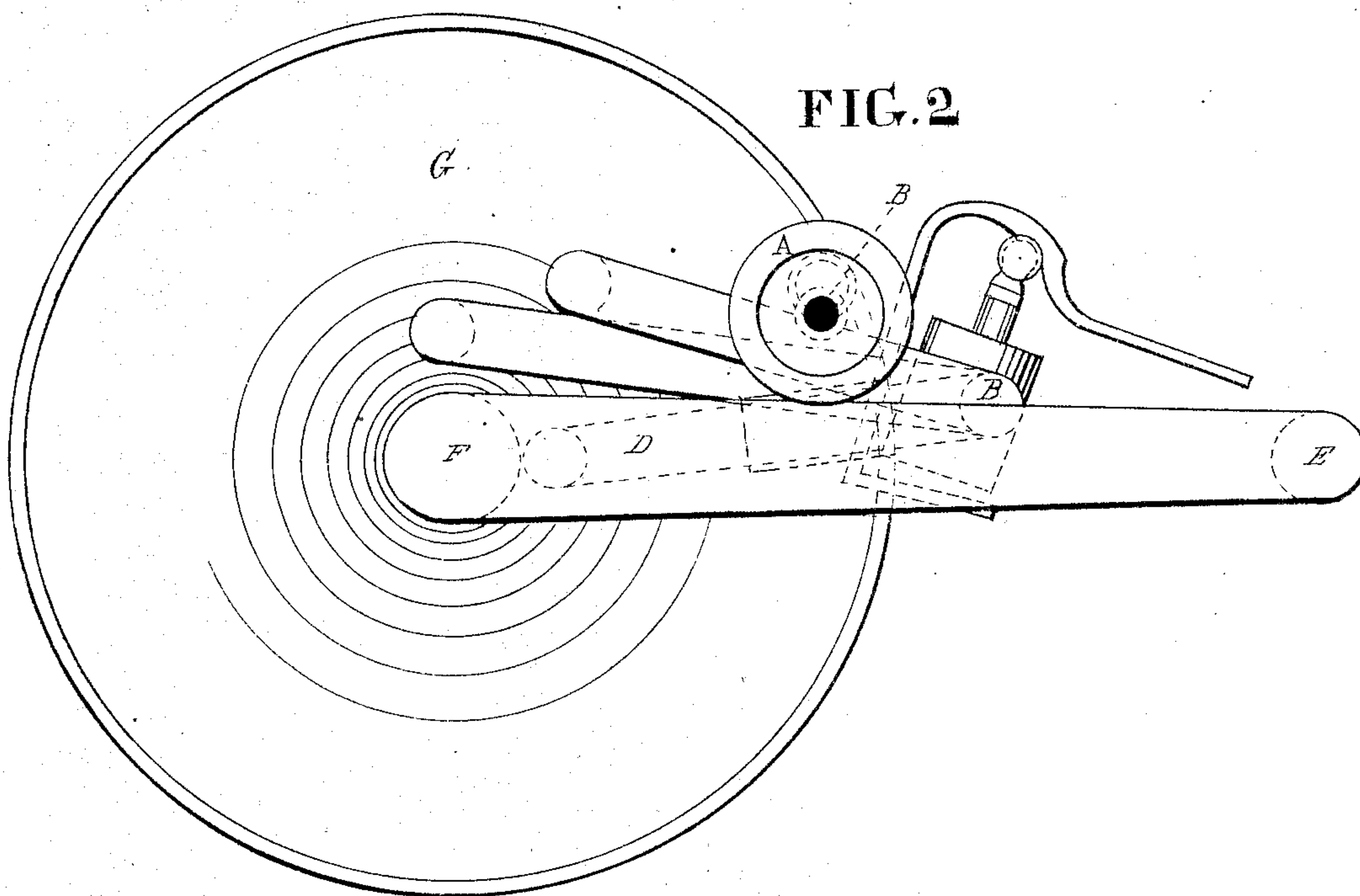
Inventor,
Henry G. Lehnert
By His Attorney
Stephen W. Stick

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Witnesses:
Thomas F. Dewley
Geo. C. Hotzel

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Stephen N. Stick

UNITED STATES PATENT OFFICE.

HENRY G. LEHNERT, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN BRASS MUSICAL INSTRUMENTS.

Specification forming part of Letters Patent No. **158,594**, dated January 12, 1875; application filed May 29, 1874.

To all whom it may concern:

Be it known that I, HENRY G. LEHNERT, of the city and county of Philadelphia, in the State of Pennsylvania, have invented an Improvement in Musical Instruments, such as bass, baritone, and tenor horns, of which the following is a specification:

My invention relates to so constructing the instrument that it shall be brought over both shoulders, to give ease to the player in holding it, and to be less in the way while he is sitting down, &c., and more equally balanced back and front, and also while so arranged throwing the sound in front of the player. The construction also enables the manufacturer to lay the slides and other pipes on an angle, so as to make the water run down to the tuning-slide, or any other place where it may be let out easily, and thus prevent setting in other parts of the instrument, and from soiling the outside. The same instrument may be made to suit a man with either a short or long neck by having the mouth-piece connected with the instrument by using or not using a crooked shank, which can be reversed to make the mouth-piece come lower or higher.

In the accompanying drawings, Figure 1 is a side view of the improved instrument. Fig. 2 is an end view of the same. Fig. 3 is a side view of the shank *b*, in which the mouth-piece *A* is inserted.

Like letters of reference in all the figures indicate the same parts.

A is the mouth-piece, which has a crooked shank, *b*, for the purpose hereinafter explained. It fits in one end of the tube *B*, the other end of which is closed by one end of the tuning-slide *C*, the other end of which fits in one end of the tube *B'*, which is parallel to the tube *B*. With the other end of the tube *B'* is connected one end of the curved tube *D*, which turns around, forming the parts *E* and *F*, which go over the shoulders, the part *F* terminating in the bell *G*. In the drawings, the parts *E* and *F* are parallel to each other, but

may be made circular or in any other convenient form. Instead of the tuning-slide being placed in connection with the ends of the tubes *B* and *B'*, as shown in the drawings, it may be placed in any other convenient part of the instrument and the tubes connected with those ends, and provided with a water-key. The shank *b* on the mouth-piece *A* has a bend, *f*, for the purpose of reversing it to suit persons having either long or short necks. When placed in the position seen in Fig. 3, (shown in full lines,) it is adapted to a short neck, and, when turned one-half around, as shown by dotted lines, to a long neck. It is also conveniently brought to either side of the mouth by turning it one-quarter around. The shank *b* may, if desired, be dispensed with, and the mouth-piece connected with the tube *B* in any convenient manner. There are slides or pipes *H*, *H'*, *H''*, and *H'''* connected to the valves, as shown in the drawings, all of which are inclined, so as to throw the water downward. The pipes, however, do not necessarily have to be of the forms represented to carry out the principles of the invention, but may be of any other convenient form.

I claim as my invention—

1. In a musical instrument, the pipe *D*, having the parts *E*, *F*, and *G*, arranged relatively, as shown, thereby forming a ring to go over the head of the player and rest upon each shoulder, bell in front, substantially in the manner described.

2. The reversible shank *b* of the mouth-piece *A*, provided with a bend, *f*, substantially as set forth, to accommodate either side of the mouth, and adapt it otherwise for different players.

3. The tubes *H* *H'* *H''* *H'''*, inclined relatively to the tuning-slide or water-key, and to each other to carry away the water freely, substantially as set forth.

HENRY G. LEHNERT.

Witnesses:

THOMAS J. BEWLEY,
STEPHEN USTICK.