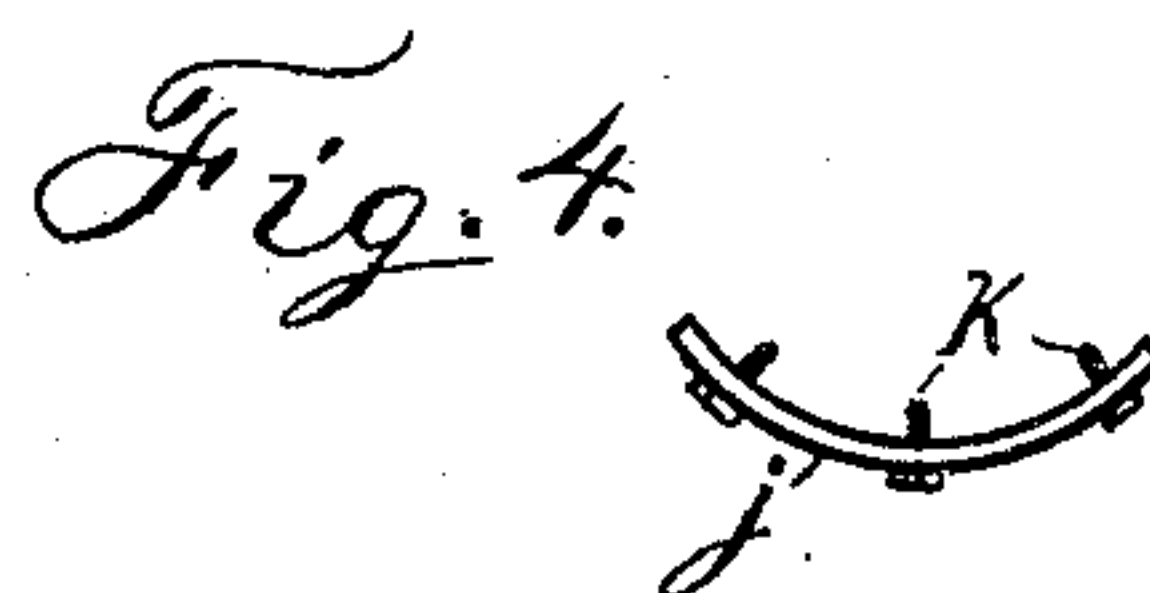
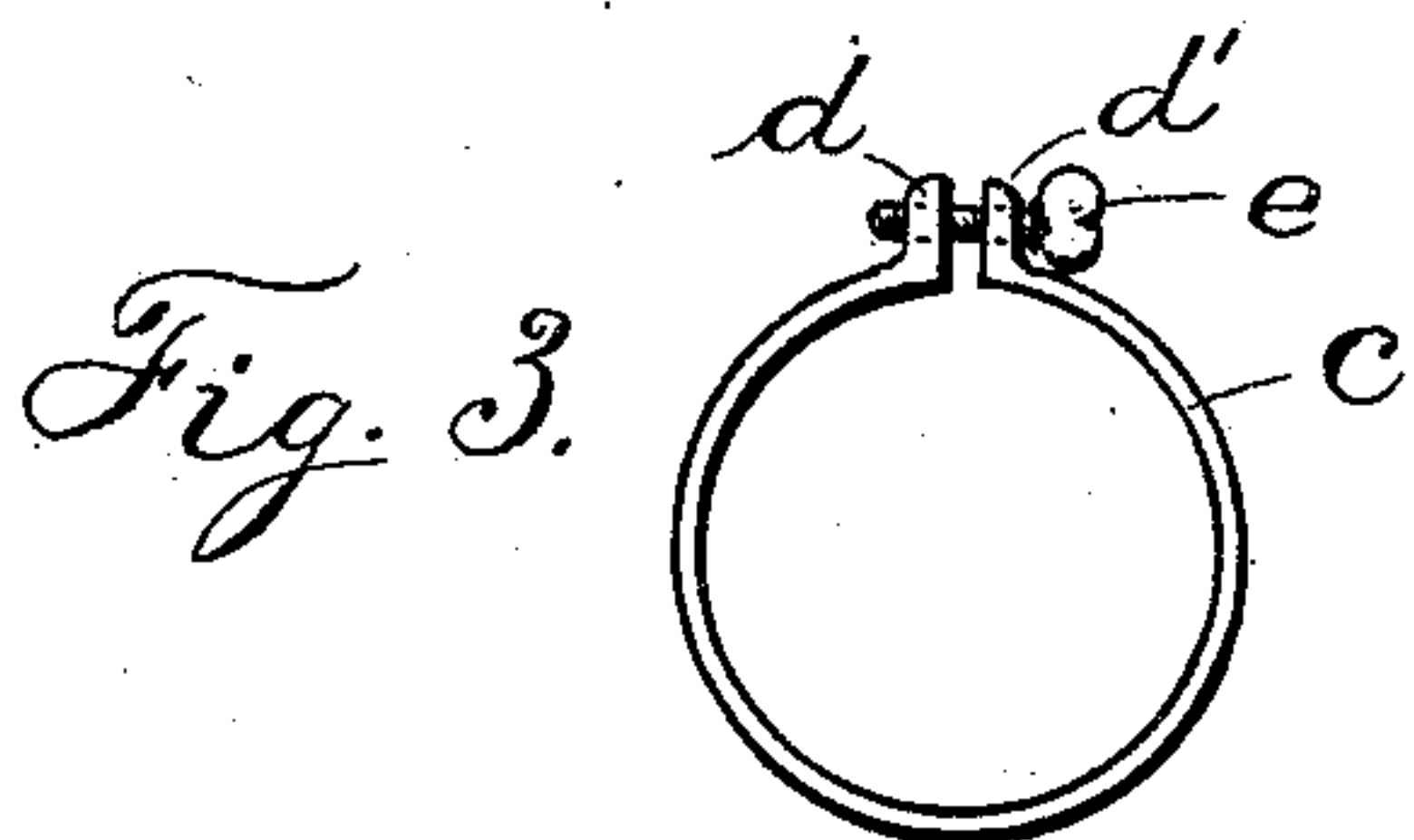
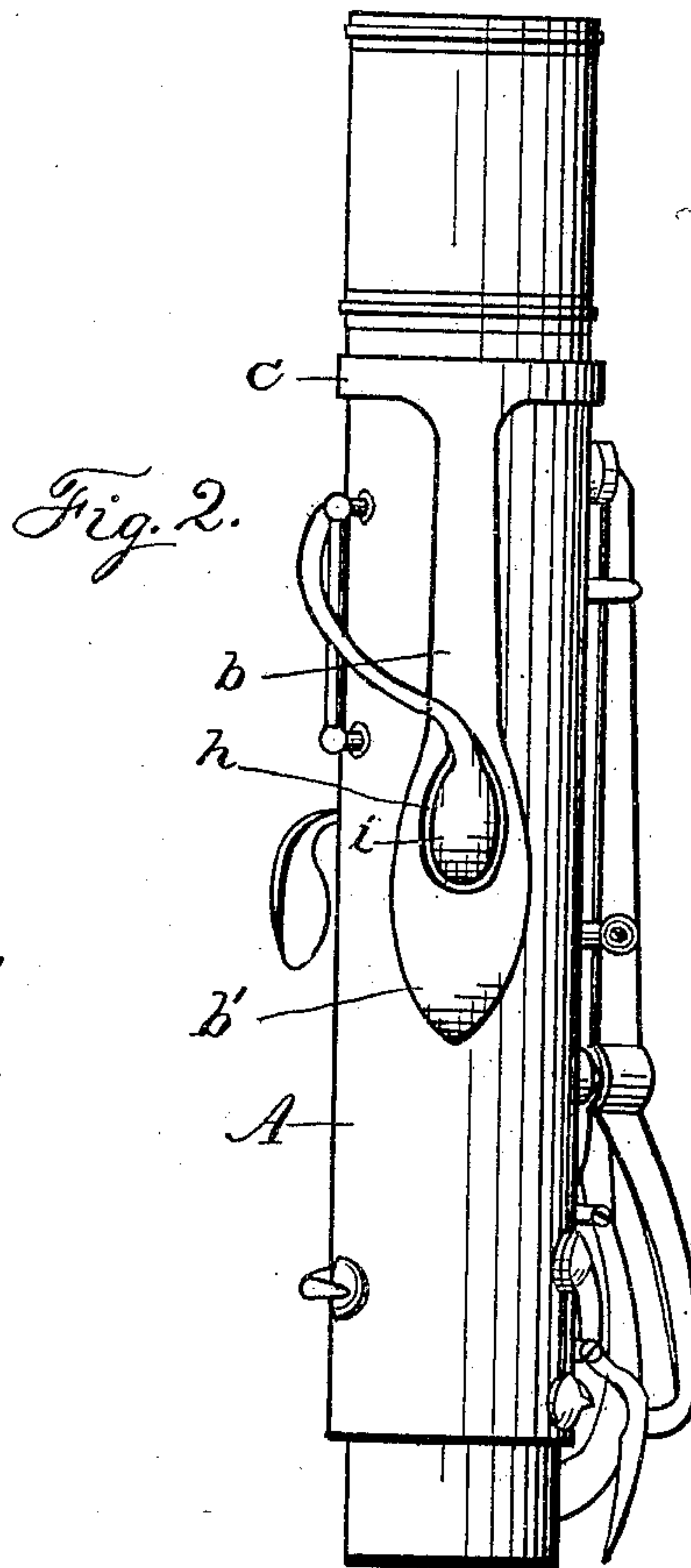
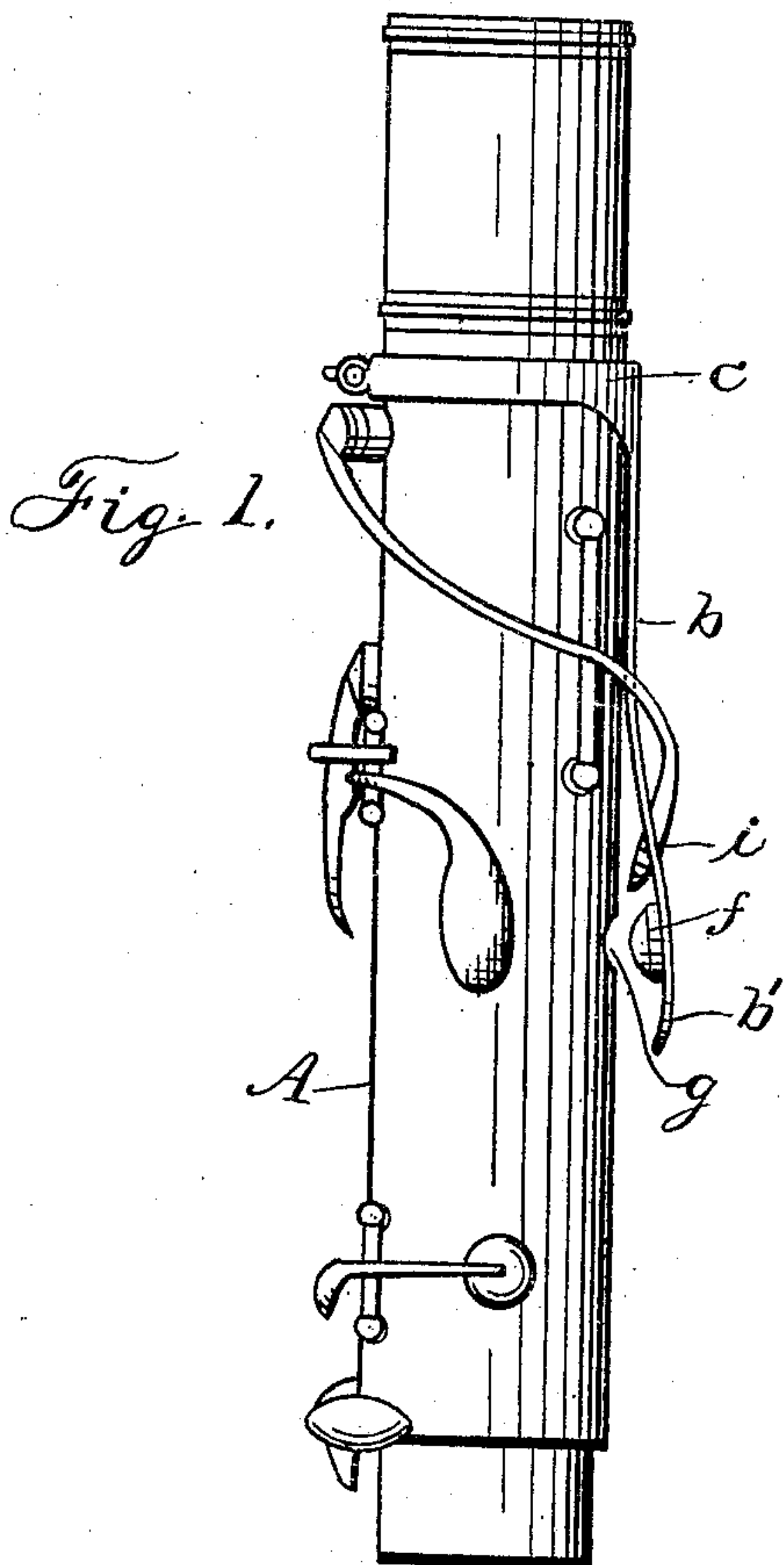


No. 828,849.

PATENTED AUG. 14, 1906.

W. P. HAUERBACH.  
CLARINET ATTACHMENT.  
APPLICATION FILED DEC. 11, 1905.



Witnesses

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# UNITED STATES PATENT OFFICE.

WILLIAM P. HAUERBACH, OF SALT LAKE CITY, UTAH.

## CLARINET ATTACHMENT.

No. 828,849.

Specification of Letters Patent.

Patented Aug. 14, 1906.

Application filed December 11, 1905. Serial No. 291,333.

*To all whom it may concern:*

Be it known that I, WILLIAM P. HAUERBACH, a citizen of the United States, residing at Salt Lake City, in the county of Salt Lake and State of Utah, have invented new and useful Improvements in Clarinet Attachments, of which the following is a specification.

The object of this invention is to simplify and facilitate the manipulation of a clarinet or similar instrument by providing a key for the hole usually stopped by the thumb of the left hand.

The invention includes the key itself and also the means by which it is secured to the instrument.

The accompanying drawings illustrate the invention, in which reference-letters are used to indicate its various parts, like letters denoting corresponding parts in the several views.

Figure 1 is a side elevation of the upper key-section of a clarinet, and Fig. 2 is a similar view at a right angle to Fig. 1. Fig. 3 shows the end of the key-band, and Fig. 4 is a like view of a modification of the attaching-band.

The letter A designates the upper key-section of a clarinet provided with the usual complement of keys.

*b* is a flat spring-key attached to and preferably made integral with an open band *c*, which encircles the body of the instrument, preferably near the upper end of the key-section. One end of this open band is provided with a threaded eye *d* and the other end with a smooth eye *d'*, which eyes are engaged by a set-screw *e* to secure the key on the instrument. The operative end or thumb-piece *b'* of the key *b* is provided with a pad *f* to stop

the hole *g*, which is normally open, and near this end of the key is an opening *h*, through which the key *i* may be pressed.

The spring-key *b* may be secured permanently on the instrument, if desired, by using a curved plate *j* instead of the band *c* and by securing this curved plate to the instrument by screws *k*.

The advantages of this improvement are evident to the clarinet-player, as the thumb rests lightly on the piece *b'* and overlaps the piece *i*. Then by merely rocking the thumb either piece is easily depressed, and by a single movement both pieces may be pressed down together.

Having now described the invention, what I claim is—

1. An attachment for clarinets comprising a key having a flat resilient body, means for attaching said key to the clarinet, a thumb-piece on said key provided with a pad and an opening in said body between said thumb-piece and said means of attachment, as specified.

2. An attachment for clarinets comprising a flat spring-key, an open attaching-band on said key, eyes and a set-screw on the ends of said band, a thumb-piece on said key provided with a pad and an opening through said key between said thumb-piece and said band to permit the manipulation of another key, as described.

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

WILLIAM P. HAUERBACH.

Witnesses:

JAMES HAUERBACH,

ADOLPH J. HAUERBACH.