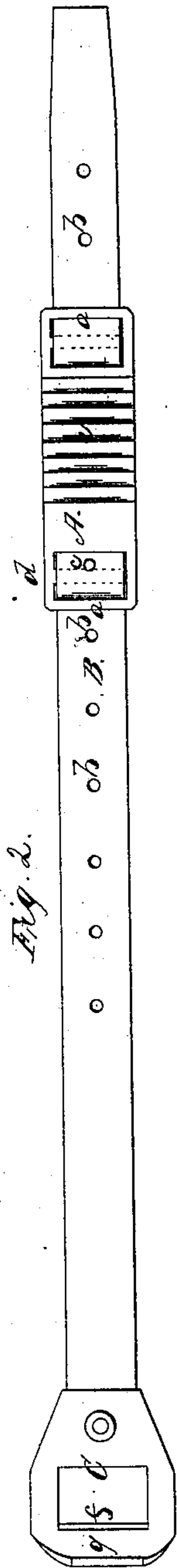
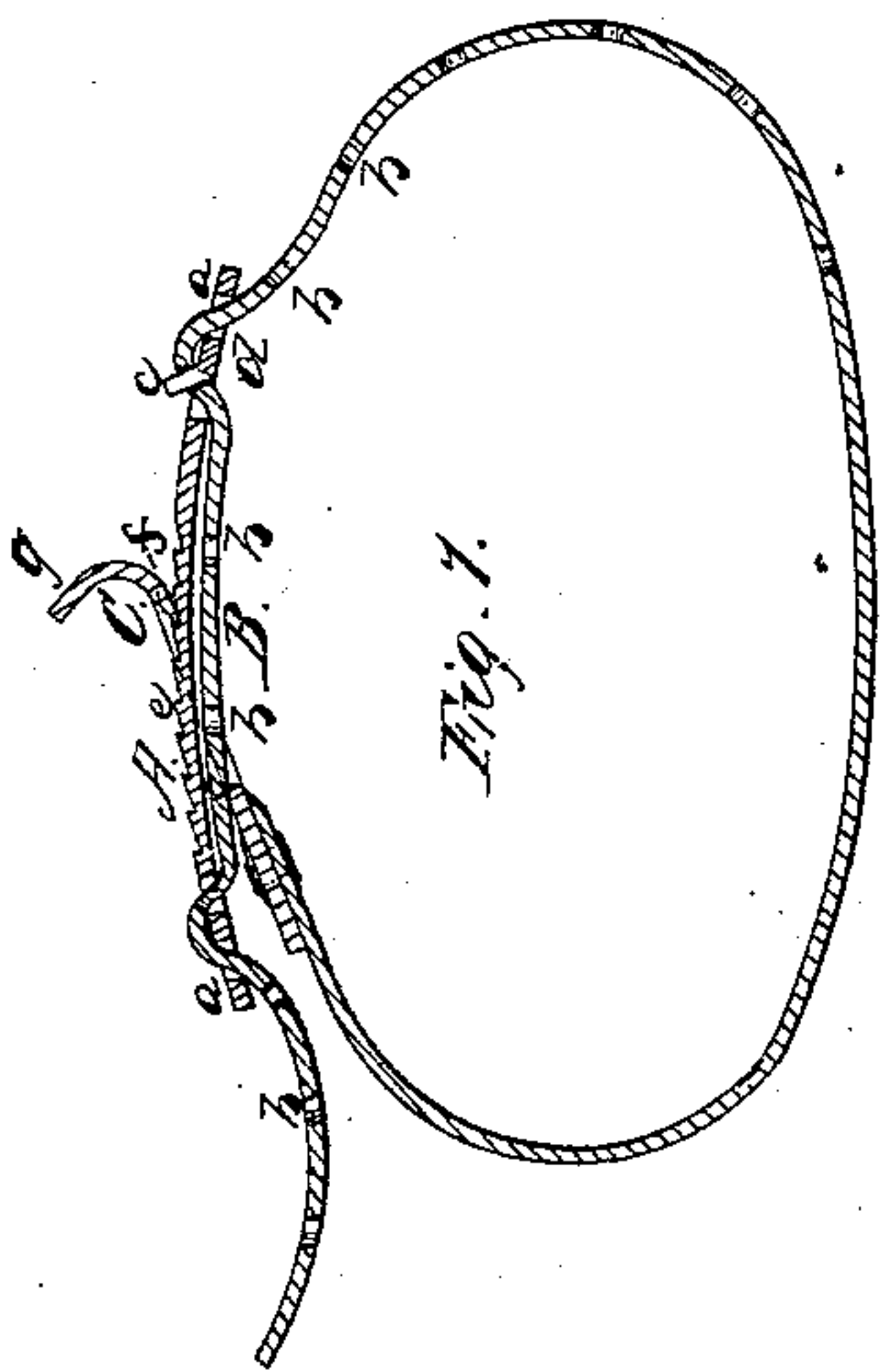


J. Tiebout,

Ratchet Buckle.

N^o 29332.

Patented July 24, 1860.



Witnesses.

*A. H. Benard
John H. Scott.*

Inventor:

John Tiebout

UNITED STATES PATENT OFFICE.

JOHN TIEBOUT, OF BROOKLYN, NEW YORK.

BUCKLE.

Specification of Letters Patent No. 29,332, dated July 24, 1860.

To all whom it may concern:

Be it known that I, JOHN TIEBOUT, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Ratchet-Buckle; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 represents a longitudinal vertical section of my invention when locked. Fig. 2, is a plan or top view of the same when unlocked.

Similar letters of reference in both views indicate corresponding parts.

This invention consists in the arrangement of a serrated plate or ratchet made adjustable on a strap by means of a stationary tongue in combination with a tooth edged loop in such a manner, that the strap can be adjusted to any desired length and its two ends fastened together simply by sliding the loop over the ratchet, which latter prevents the same sliding back, and retains it the more tenaciously the stronger the strain on the strap.

To enable those skilled in the art to make and use my invention, I will proceed to describe its construction and operation with reference to the drawings.

The plate A, is made to slide on a strap B, by means of two loops *a*, through which the strap is drawn as clearly shown in Fig. 2. The strap is provided with a series of holes *b*, and it is secured to the plate A, by means of a stationary tongue *c*, which projects from the central crossbar *d*, of one of the loops *a*. The upper surface of the plate A, is serrated so as to form a ratchet *e*, the teeth of which point toward the farther end of the strap.

The two ends of the strap can be secured together by means of a loop C, which is secured to the opposite end of the strap, and the inner edge *f*, of which is sharpened as clearly shown in Fig. 1, so that the same forms a tooth and catches readily into the

teeth of the ratchet plate A. The end of the loop C, is bent up forming a handle *g*, facilitating the operation of my buckle.

This invention is particularly applicable to skate straps and in fact to all other straps where it is desirable to adjust the strap with great nicety. The length of the strap is first roughly adjusted by securing the ratchet plate A, in one or the other of the holes *b*, in the strap and the other end with the loop C, is now carried around the foot or other article to which the strap is to be fastened and it is forced upon the ratchet *e*, until it has attained the required tension. With ordinary buckles the tension of the strap depends upon the distance of the holes, which retain the tongue of the buckle. These holes must necessarily be kept as far apart as possible so as not to interfere with the strength of the strap and in many cases the tension of the strap is too slight with one hole and if the buckle is drawn up to the next hole it becomes too tight. And at the same time it is very troublesome to bring the tongue of an ordinary buckle in the proper position to enter the desired hole in the strap especially if the tension of the strap is great and in places where the eyes of the operator are not of much use. With my buckle the tension can be adjusted with the greatest nicety. The ratchet teeth being necessarily much closer together than the holes which govern the tension of the strap with ordinary buckles and my buckle can be adjusted and fastened in the dark just as well as in the day time.

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

The arrangement of the adjustable ratchet plate A, in combination with the tooth edged loop C, constructed and operating in the manner and for the purpose specified.

JOHN TIEBOUT.

Witnesses:

L. W. BENDRÉ,
JNO H. SCOTT.