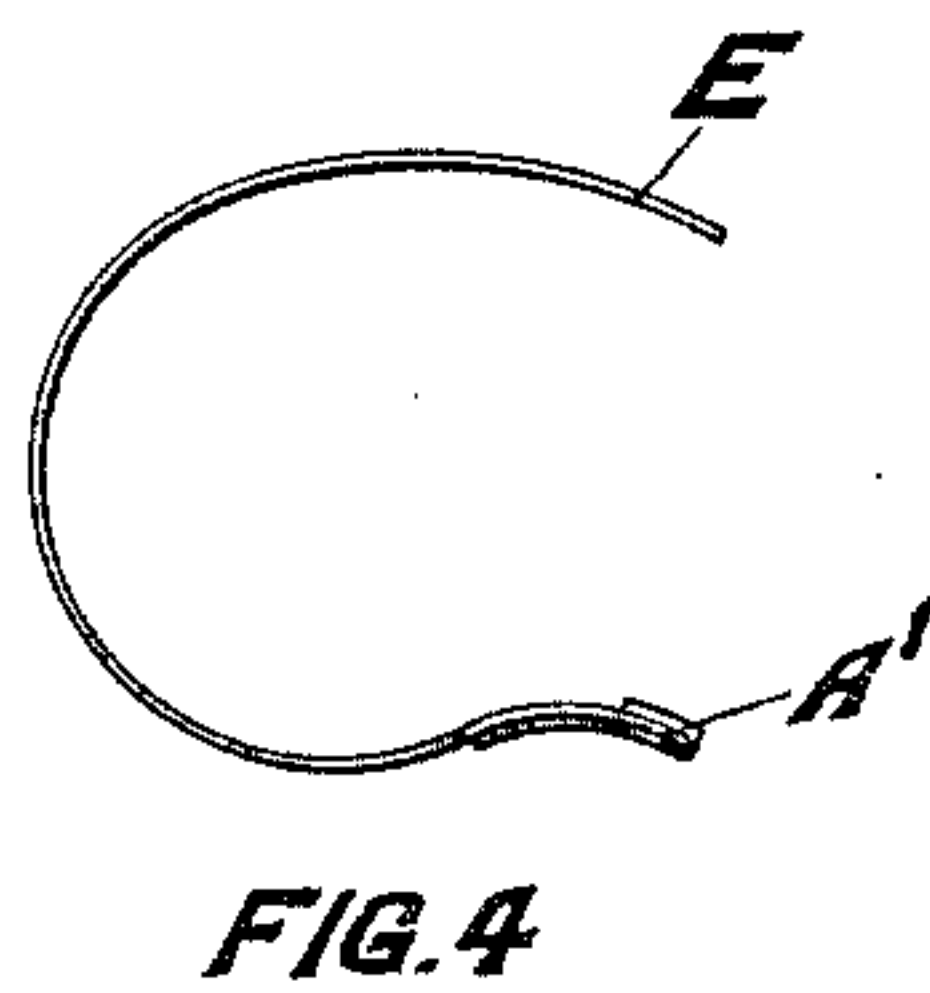
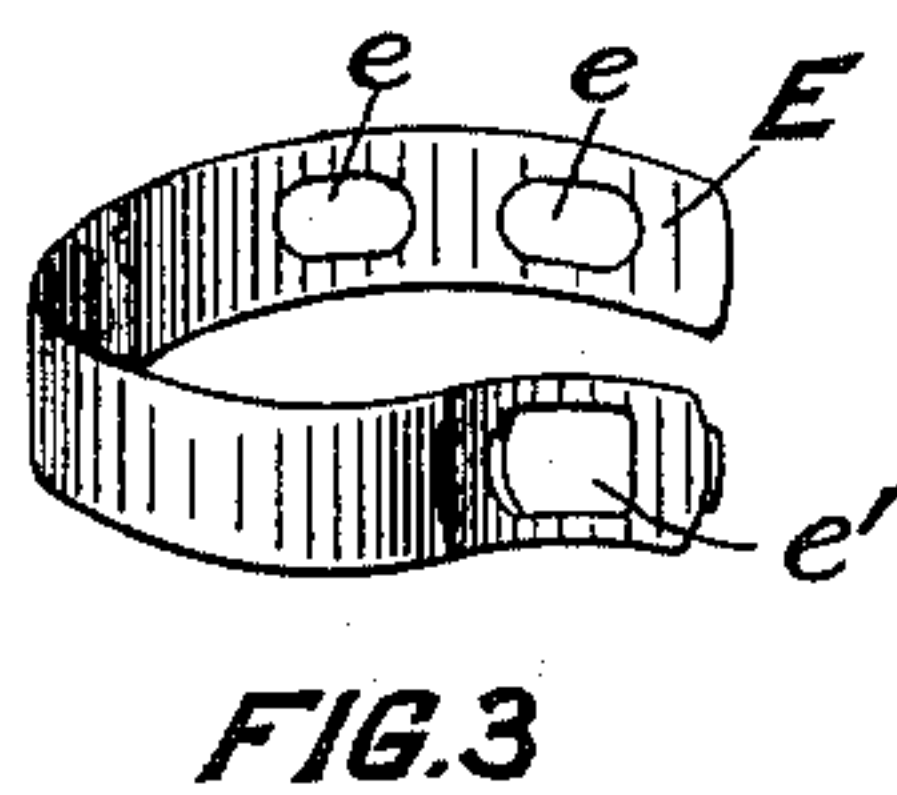
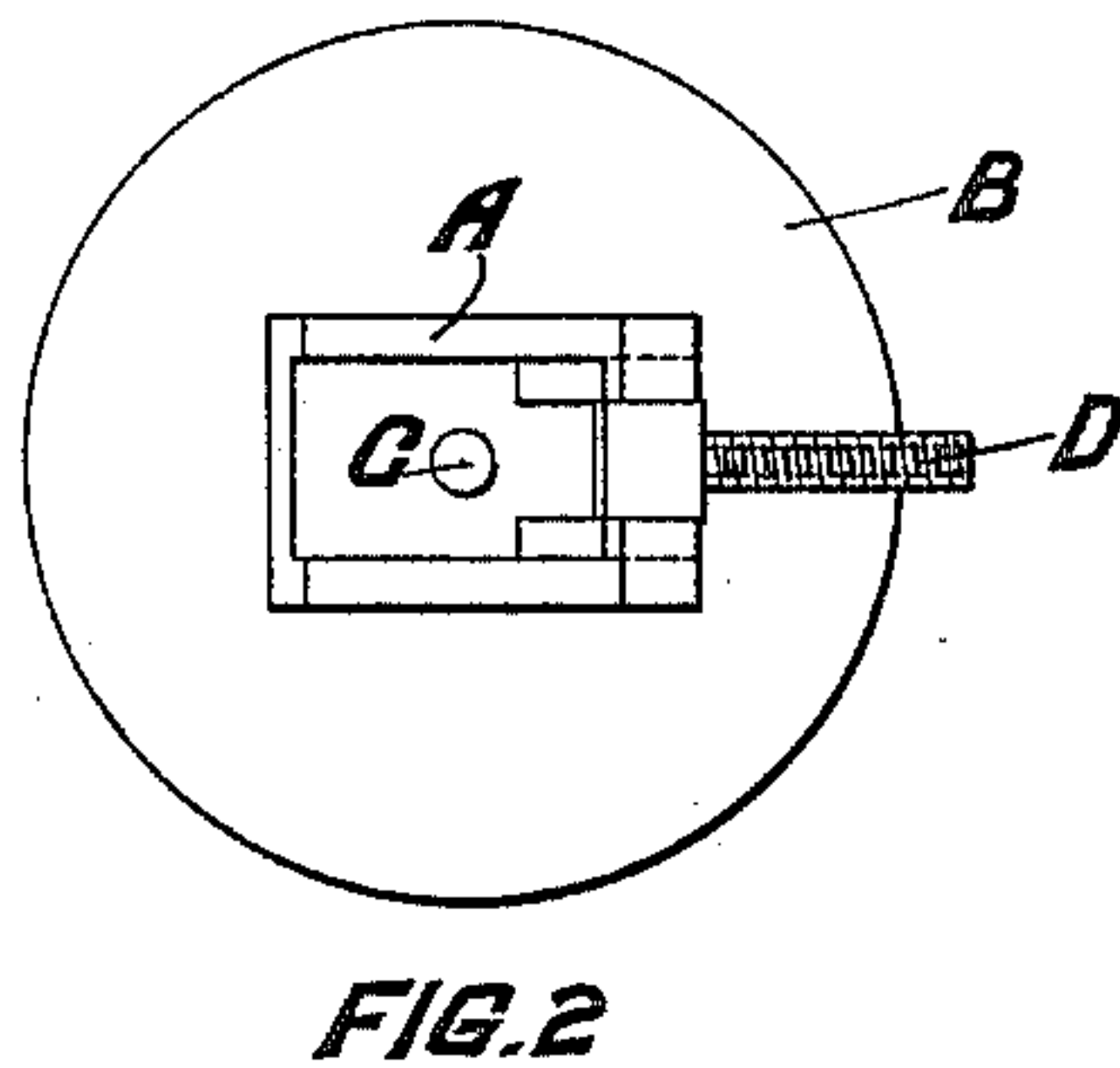
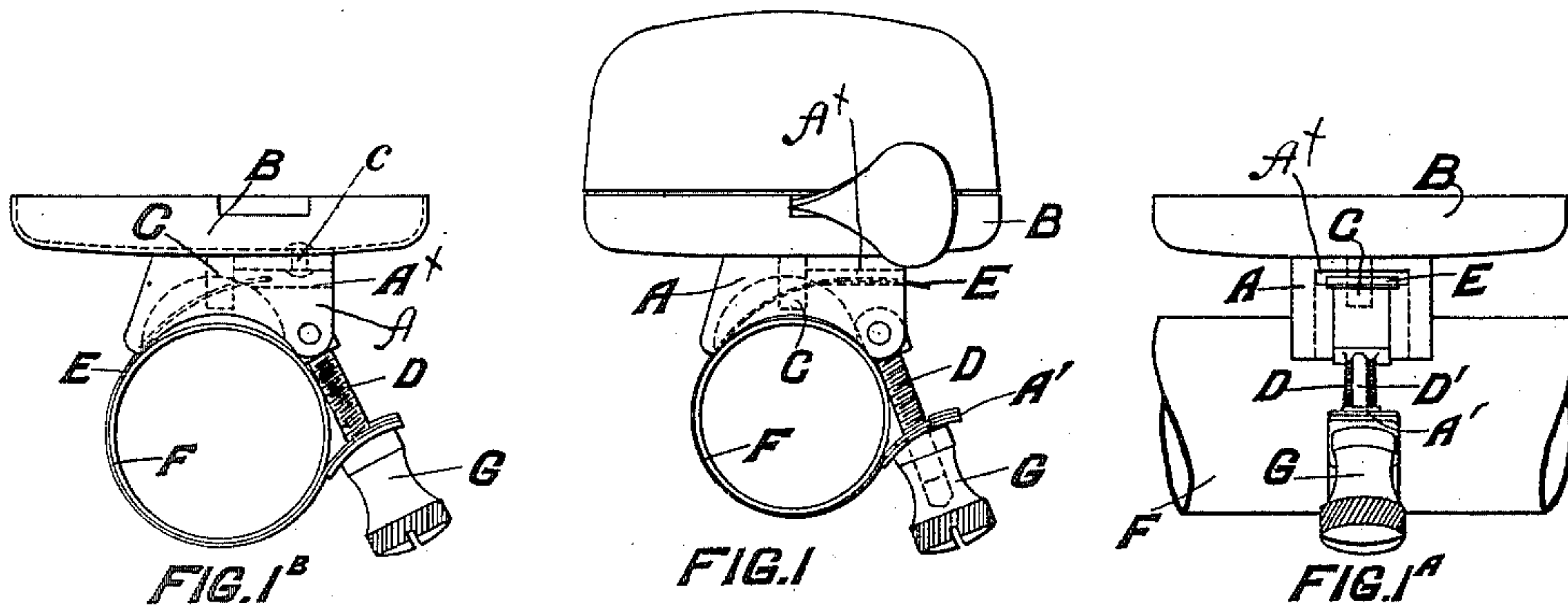


(No Model.)

H. LUCAS & B. STEELEY.  
BELL CLIP FOR BICYCLES.

No. 581,743.

Patented May 4, 1897.



Witnesses  
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# UNITED STATES PATENT OFFICE.

HARRY LUCAS AND BERNARD STEELEY, OF BIRMINGHAM, ENGLAND.

## BELL-CLIP FOR BICYCLES.

SPECIFICATION forming part of Letters Patent No. 581,743, dated May 4, 1897.

Application filed August 21, 1896. Serial No. 603,553. (No model.)

*To all whom it may concern:*

Be it known that we, HARRY LUCAS and BERNARD STEELEY, citizens of Great Britain, and residents of Tom Bowling Lamp Works, Little King Street, in the city of Birmingham, England, have invented certain new and useful Improvements in Clips or Fastenings for Cycle-Bells, (for which a patent has been applied for in Great Britain, No. 936, bearing date January 14, 1896,) of which the following is a specification.

This invention relates to the construction of a clip or fastening for securing an alarm-bell to a cycle, our object being to produce an effective clip or fastening of few and simple parts, so arranged as to permit of ready adjustment to the size of the particular part of the cycle to which it is to be attached.

In the accompanying sheet of explanatory drawings, to be hereinafter referred to, Figure 1 is a front elevation representing an alarm-bell attached to a cycle with our improved clip. Fig. 1<sup>A</sup> is an end view of the complete clip or fastening, and Fig. 1<sup>B</sup> is a front elevation of the same when attached to a larger bar or tube than that shown at Figs. 1 and 1<sup>A</sup>. Fig. 2 is a plan of the base of the bell, showing the metal shoe or seating-piece with the clamping-bolt hinged thereto. Fig. 3 is an elevation, and Fig. 4 a plan of the clipping band or strip.

The same reference-letters in the different views indicate the same parts.

We attach the metal shoe or seating A to the under or outer side of the base or bottom plate B of the bell by means of the projecting screw-stud C and small rivet *c*. At one end of the shoe A we hinge or pivot the clamping-bolt D, and within the shoe we place one end of the clipping band or strip E, forming holes, as *e*, through the strip to permit of its being passed over the extremity of the projecting stud C. A hole *e'* is also formed through the opposite end of the strip in order that it may be placed on the stem of the hinged or pivoted clamping-bolt D after passing around the handle-bar F or other tubular part of the cycle to which the bell is to be fastened. The strip is then drawn tightly around the bar by screwing up the nut G un-

til the bell is rigidly clamped or secured in its position.

By the provision of two or more holes, such as *e*, through the clipping band or strip we arrange for the adjustment of the strip to suit bars of considerable difference in size. When the bell is to be attached to a larger bar or tube, such as F at Fig. 1<sup>B</sup>, we insert the projecting stud C through the end or outer hole, but for a smaller bar or tube, such as F at Fig. 1, we insert the stud C through the inner hole.

We preferably bend over and flatten down the outer end A' of the band or strip to provide a double thickness of metal, and to prevent wear of the threads of the clamping-bolt D by the movement of the strip on tightening or releasing the nut G we form a flat surface D' along the bolt, as shown at Fig. 1<sup>A</sup>, and make the hole *e'* through the strip of such shape and size that only the flat surface of the bolt is in actual contact with the strip. The pivoting of the bolt D to the shoe or seating A permits it to adjust itself to the movement of the band or clip on the operation of the nut G.

It will be seen that the stud C serves a double purpose—that of securing the bottom plate to the shoe and of holding the strap adjustably. For the purpose of keeping the strap up in engagement with the stud and for allowing the use of a long strap an opening is formed at A<sup>x</sup> through the wall of the shoe, through which the end of the strap extends.

Having now described our invention, what we claim as new, and desire to secure by Letters Patent, is—

In combination, the bell, the clamping-band, and the pivoted screw and nut for clamping the band, the said screw having a straight or flat part to prevent injury to the threads, substantially as described.

In witness whereof we have hereunto set our hands in presence of two witnesses.

HARRY LUCAS.

BERNARD STEELEY.

Witnesses:

EDWARD MARKS,

THOMAS JOSEPH BAYLISS.