

No. 697,435.

Patented Apr. 15, 1902.

N. BERGLUND.  
BICYCLE FORK.

(Application filed Nov. 9, 1898.)

(No Model.)

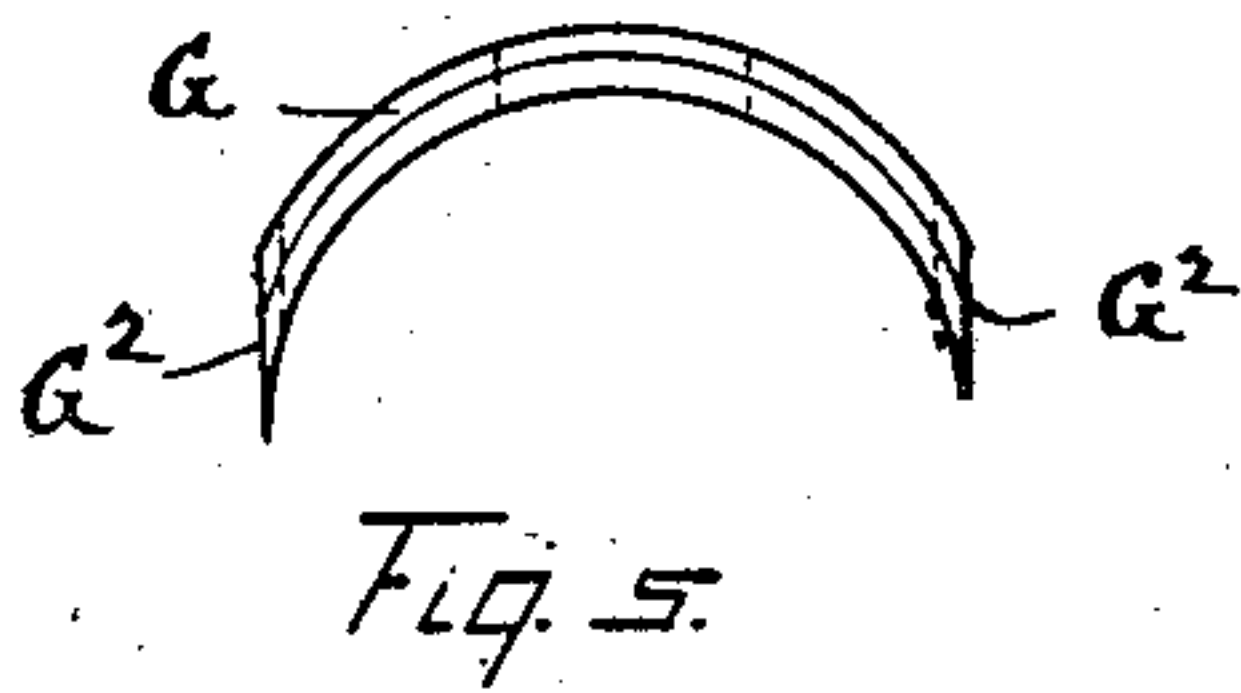
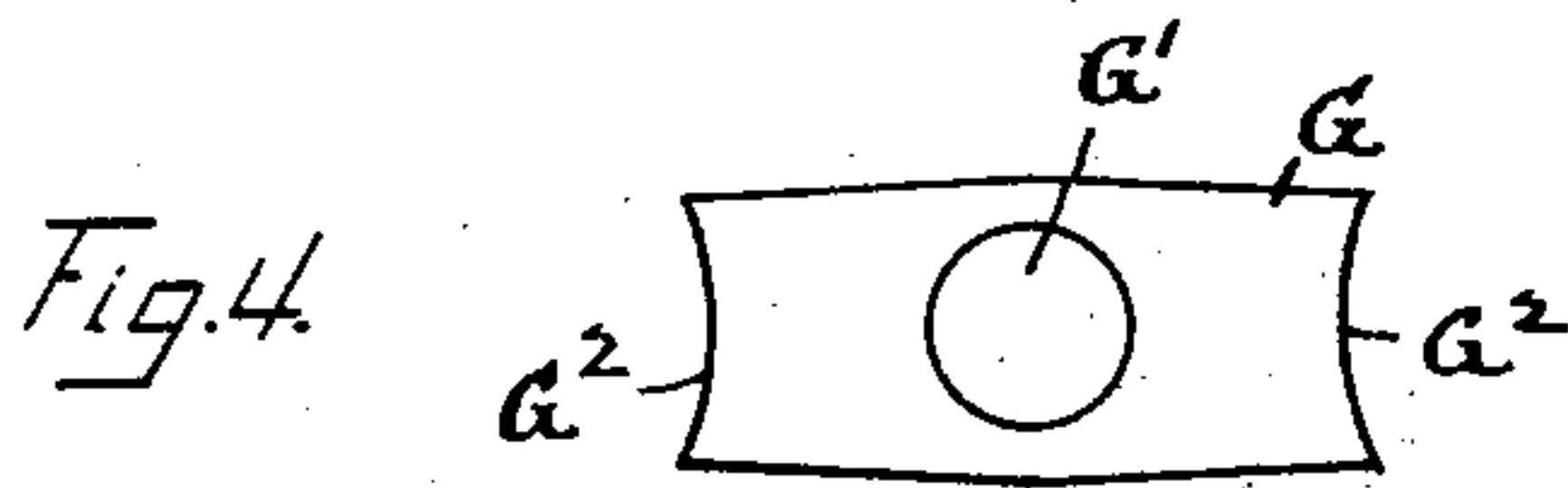
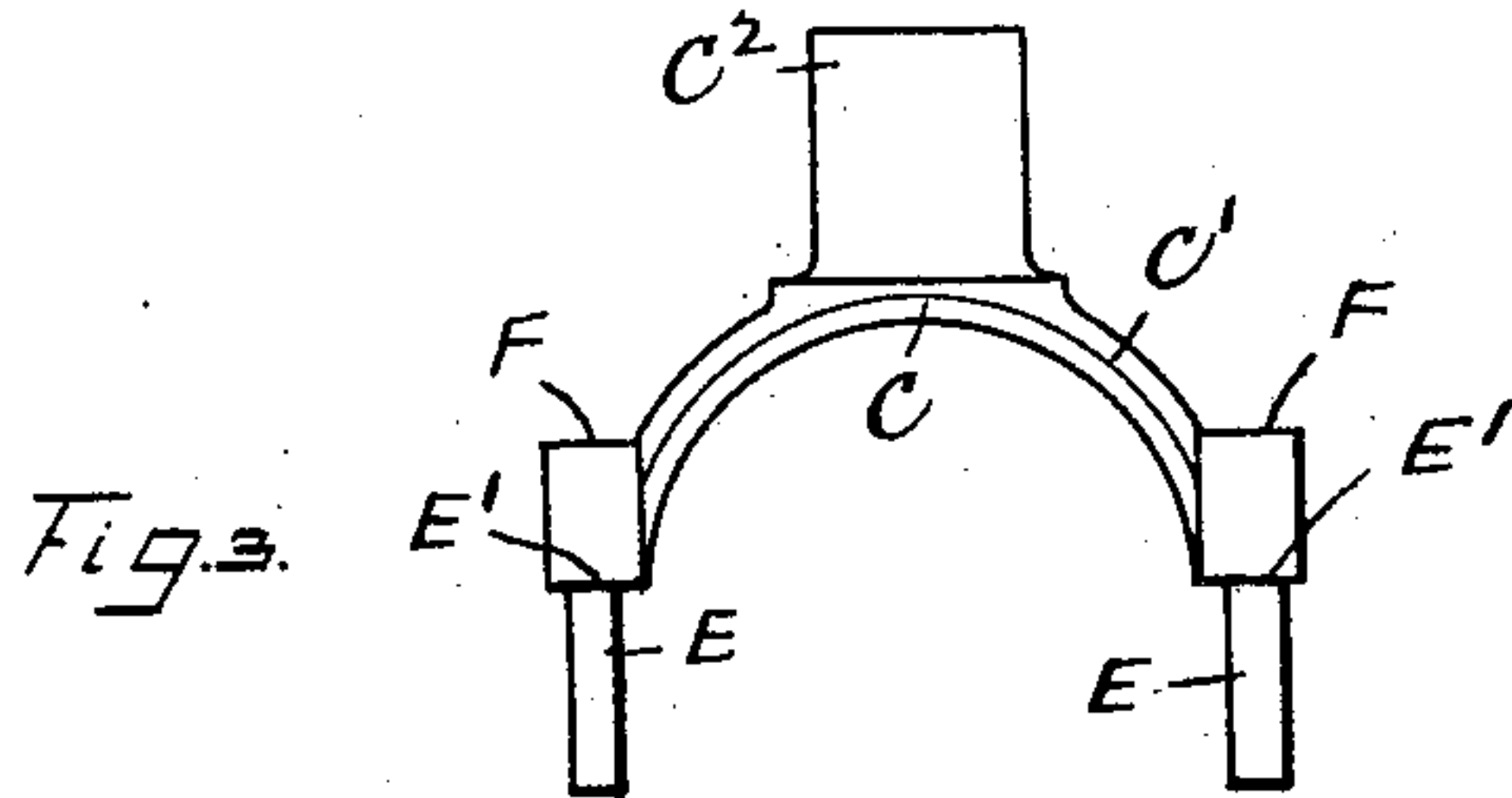
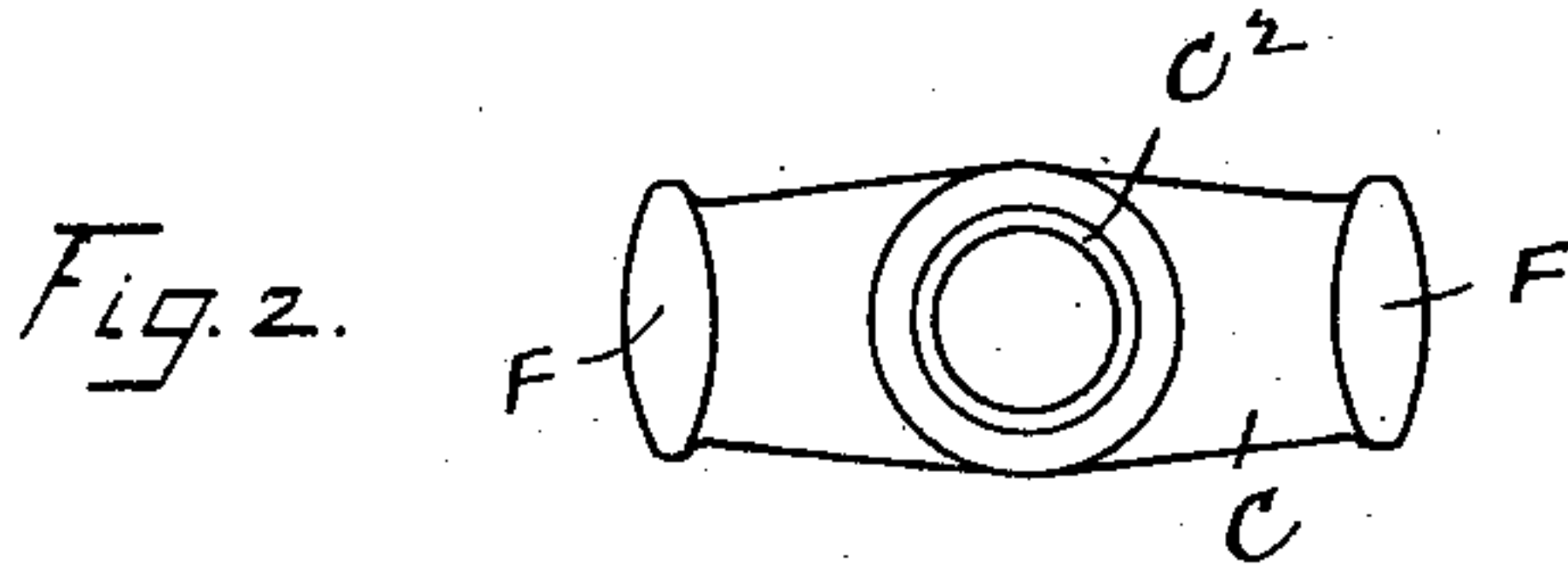
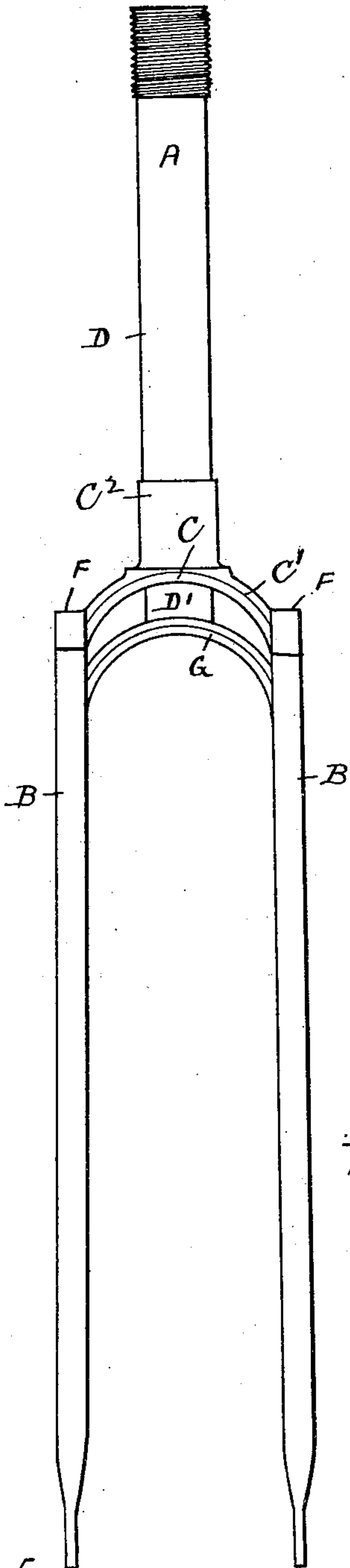


Fig. 1.

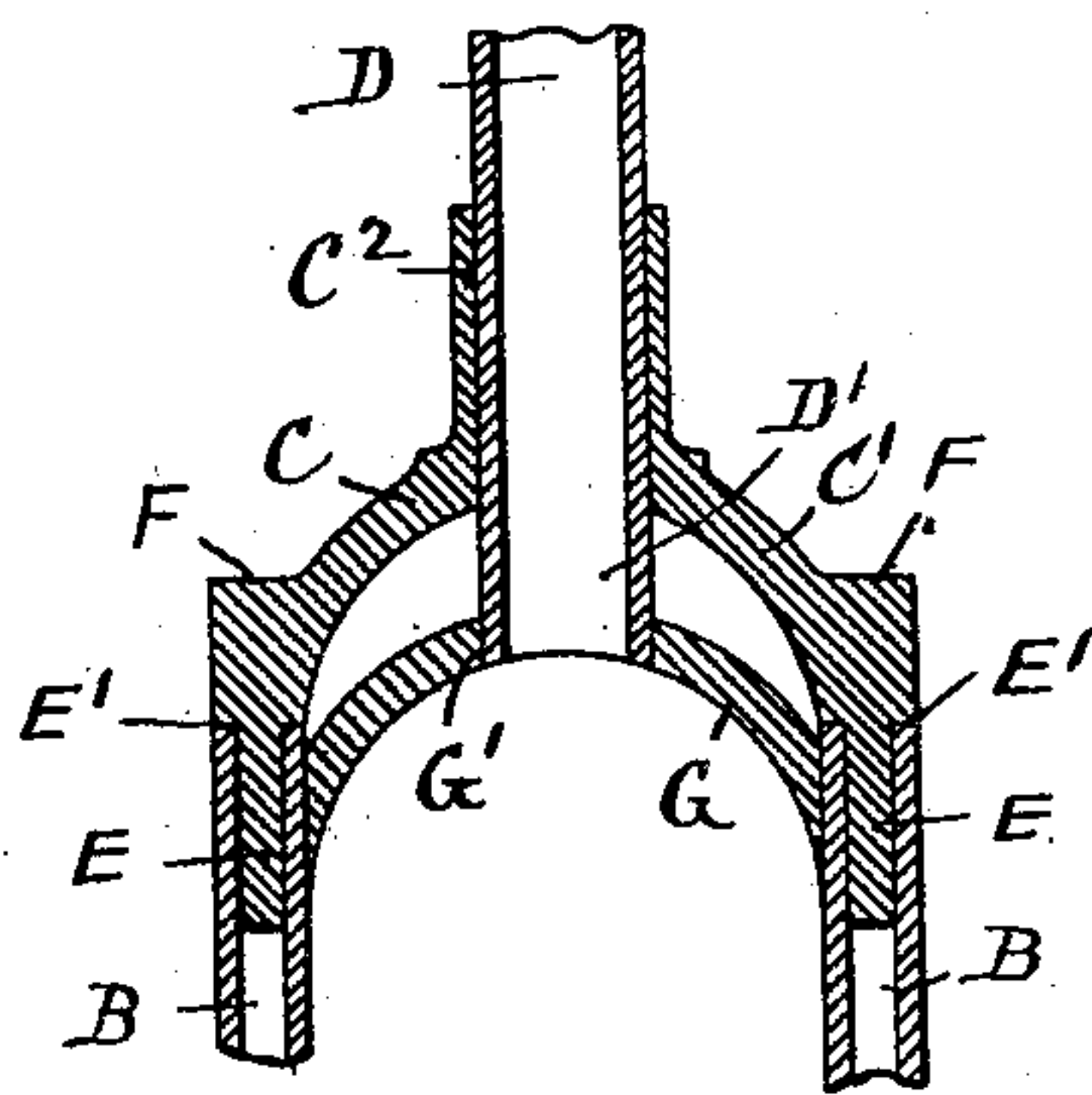


Fig. 6.

WITNESSES:

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# UNITED STATES PATENT OFFICE.

NILS BERGLUND, OF FITCHBURG, MASSACHUSETTS, ASSIGNOR TO MARY ELIZABETH JOHNSON, OF FITCHBURG, MASSACHUSETTS, EXECUTRIX OF IVER JOHNSON, DECEASED.

## BICYCLE-FORK.

SPECIFICATION forming part of Letters Patent No. 697,435, dated April 15, 1902.

Application filed November 9, 1898. Serial No. 695,949. (No model.)

*To all whom it may concern:*

Be it known that I, NILS BERGLUND, a citizen of Sweden, residing at Fitchburg, in the county of Worcester and Commonwealth of Massachusetts, have invented a new and useful Improvement in Bicycle-Forks, of which the following is a specification, accompanied by drawings forming a part of the same, and in which—

Figure 1 represents a front elevation of my improved bicycle-fork. Fig. 2 is a top view of the same. Fig. 3 is a view of the drop-forging which forms the crown of the fork. Figs. 4 and 5 show, respectively, top and front views of the curved brace placed between the sides of the fork and below the crown. Fig. 6 is a central vertical sectional view of a portion of a bicycle-fork comprising a crown and showing the method of uniting the several parts comprising the fork.

Similar letters refer to similar parts in the different figures.

The object of my invention is to increase the strength of the fork at the crown, to provide shoulders in combination with an arched crown which may serve as foot-rests while coasting, and to render the structure light and tasteful in appearance; and I accomplish these objects by means of the construction and arrangement of parts, as hereinafter described, and set forth in the annexed claim.

Referring to the accompanying drawings, A denotes the stem, B B the sides of the fork, and C the crown. The crown C consists of a single forged piece in the form of a curved arch C', with a tubular boss C<sup>2</sup> supported thereon, within which is inserted the tubular stem D, which fits within the tubular boss C<sup>2</sup> and is securely brazed thereto, with the lower end D' of the tubular stem projecting below the crown. The arched crown is provided at each end with the reduced shanks E E of the

proper size and shape to receive the ends of the tubular sides B B of the fork, which consists, preferably, of flattened tubes. The ends of the arched crown are formed of the proper size and shape of the tubular sides B B and form shoulders E' E', against which the ends of the tubular sides B B abut. The shanks E E are made to accurately fit the bore of the tubular sides B B, to which they are securely brazed. Upon the upper side of the curved arch C horizontal shoulders F F are formed, which serve as foot-rests for the rider while coasting. Between the upper ends of the tubular sides B B is inserted a curved brace G, forming a central hole G' to receive the projecting end H of the stem, to which it is brazed.

The ends G<sup>2</sup> of the curved brace are shaped to fit accurately against the inner sides of the tubular sides B B of the fork, to which they are brazed, thus forming an exceedingly strong and rigid structure.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination in a bicycle-fork, of an arched crown-piece provided with a vertical, tubular boss C<sup>2</sup> at its central section and having reduced shanks E, E, at its ends, tubular sides B, B, having their upper ends inclosing and brazed to said shanks, an arched brace G having a central hole G' and having its ends curved as at G<sup>2</sup> to fit the tubular sides B, B, and being brazed thereto opposite said shanks, and a tube D brazed to the interior of said tubular boss and having its lower end entering the hole G and brazed to said arched brace, substantially as described.

Dated this 7th day of November, 1898.

NILS BERGLUND.

Witnesses:

CHAS. E. WARE,  
GUSTOF ELLSTROM.