(No Model.)

M. J. FISHER.

HANDLE BAR CONNECTION FOR BICYCLES.

No. 560,700. Patented May 26, 1896.

FIG. 1.

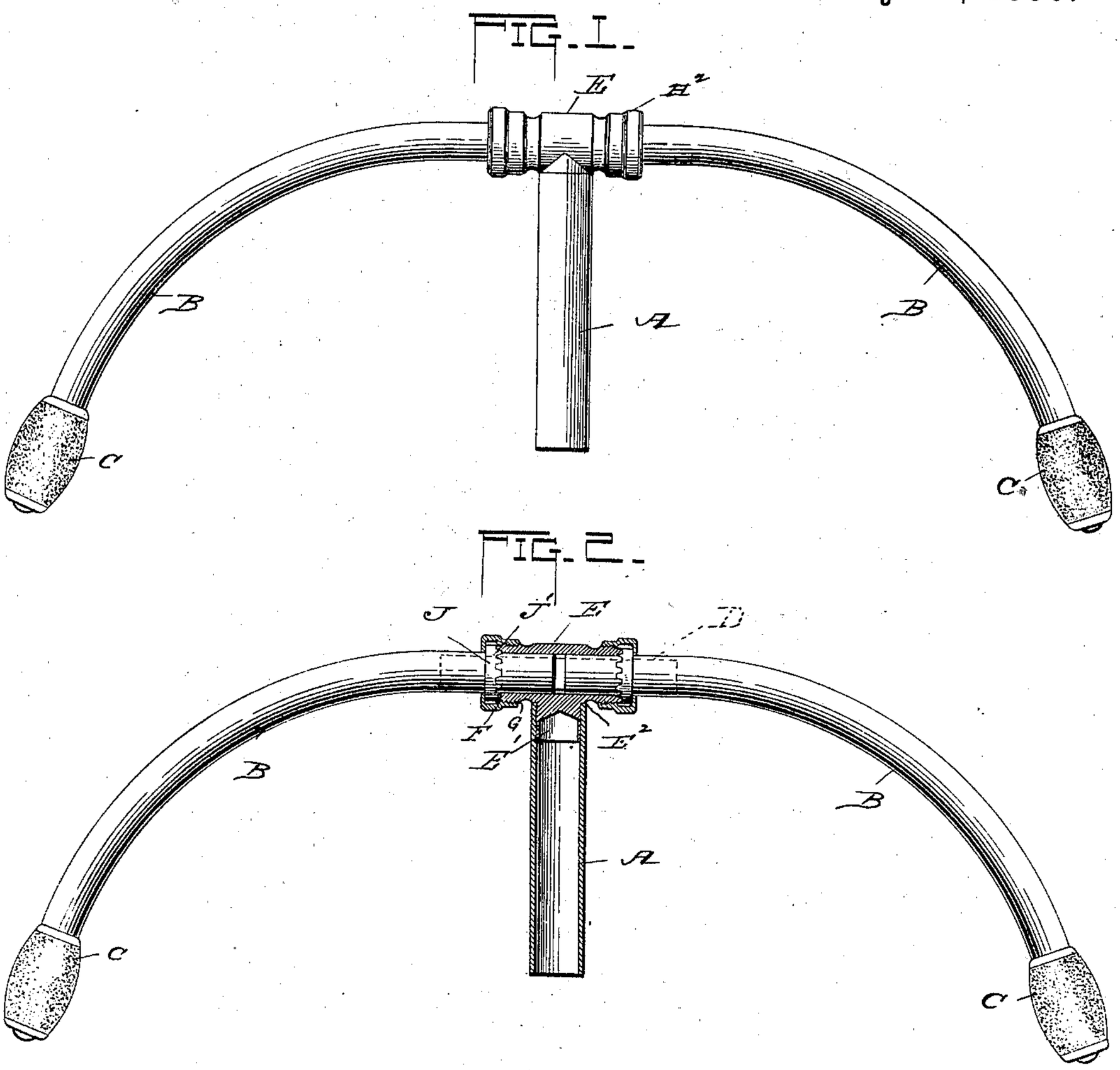
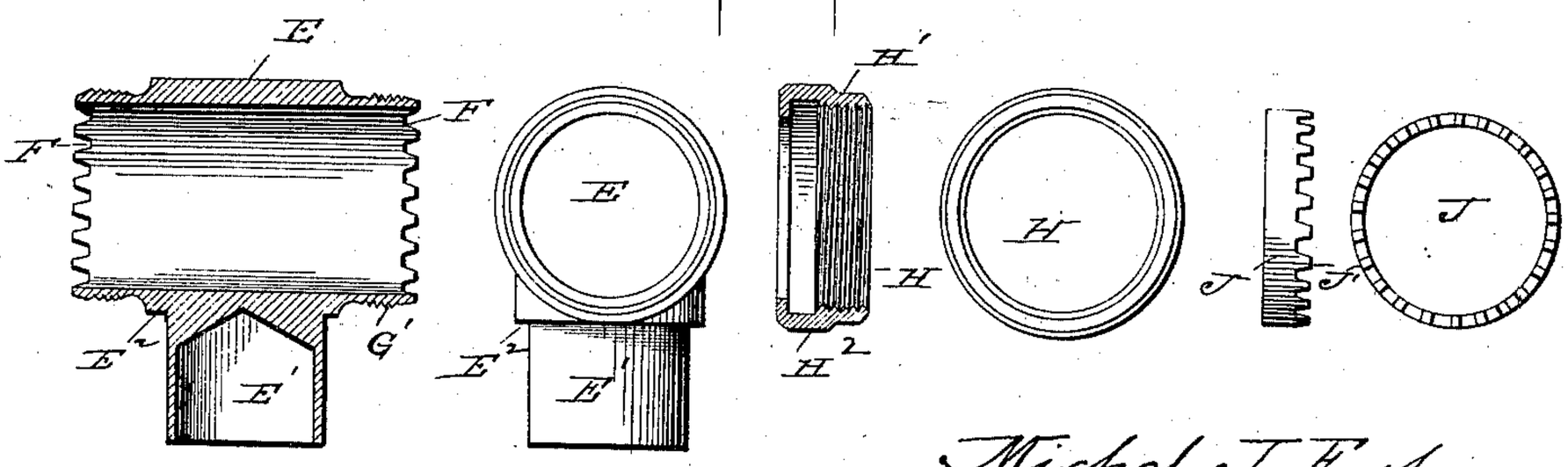


FIG. 2.

FIG. 3.



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HANDLE-BAR CONNECTION FOR BICYCLES.

SPECIFICATION forming part of Letters Patent No. 560,700, dated May 26, 1896.

Application filed December 31, 1895. Serial No. 573,866. (No model.)

To all whom it may concern:

Be it known that I, MICHEL J. FISHER, a citizen of the United States, residing at Little Falls, in the county of Herkimer and State of New York, have invented certain new and useful Improvements in Handle-Bar Connections for Bicycles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in handle-bar connections for bicycles; and the object of my invention is the provision of a device of extremely simple and inexpensive construction which can be quickly and easily adjusted to suit the convenience of the rider and which is especially useful and desirable where one arm of the rider is shorter than the other.

The invention consists of an adjustable connection embodying novel features of construction and combination of parts substantially as disclosed herein.

In order that the operation of my invention may be readily understood and its advantages appreciated, I have illustrated an adjustable handle-bar connection constructed according to my invention in the accompanying drawings.

Figure 1 represents an elevation of a handle-bar and connection embodying my invention. Fig. 2 represents a sectional view thereof. Fig. 3 represents a detail view, on an enlarged scale, of the parts embodying my device.

In the drawings, A designates the steering head or bar of a bicycle, and B designates the arms, having the handles or grasping portions C at their free outer ends, these parts being of well-known form as adapted especially to bicycles, and the inner ends of the arms are connected together by the sleeve or barrel D, which fits snugly in said ends, as clearly shown.

The handle is connected to the steering bar or head by means of my novel and improved connection, which consists of the horizontally-disposed ferrule E, which surrounds the inner ends of the handle-arms, and this ferrule is formed with the depending portion E′, which fits snugly in the upper end of the steering-head and has a shoulder E^2, against which the head rests and makes a smooth joint. From this construction it will be seen that a neat and attractive and practical connection is made between the handle-bars and head.

The ferrule is provided at its ends with the teeth F, and also with the exterior threads G, to receive the threads H on the ring H′, which is provided with the cap or flange H^2, which surrounds or incloses the ring J, having the teeth J′, and it will be seen that when the ring H′ is screwed upon the barrel or sleeve it causes the teeth of the ring J to engage the teeth of the barrel and hold the parts in an adjustable position.

It will be understood that by loosening the ring the cap will release the clamping band or ring from the sleeve and permit the handle bar or arms to be turned or adjusted inward or outward, and when at the desired point it is simply necessary to screw the cap, which causes the clamping-ring teeth to engage the teeth of the barrel or sleeve and hold the bars firmly at the proper adjustment, as is evident.

I claim—

The herein-described improvement in handle-bars, consisting of the connecting-piece fitting in the inner ends of the handle-sections, the horizontal ferrule having the depending portion fitting in the steering-bar and formed with the shoulders and having on each end the exterior screw-threads and the teeth on its ends, the ring having the teeth fitting the teeth in the ends of the horizontal ferrule, and the rings having the threads engaging the threads of the ferrule and having the caps inclosing and bearing upon the toothed rings to force the teeth of said rings into engagement with the teeth of the ferrule.

In testimony whereof I have affixed my signature in presence of two witnesses.

MICHEL J. FISHER.

Witnesses:

MYRON G. BRONNER,

E. J. COFFIN.