

No. 676,051.

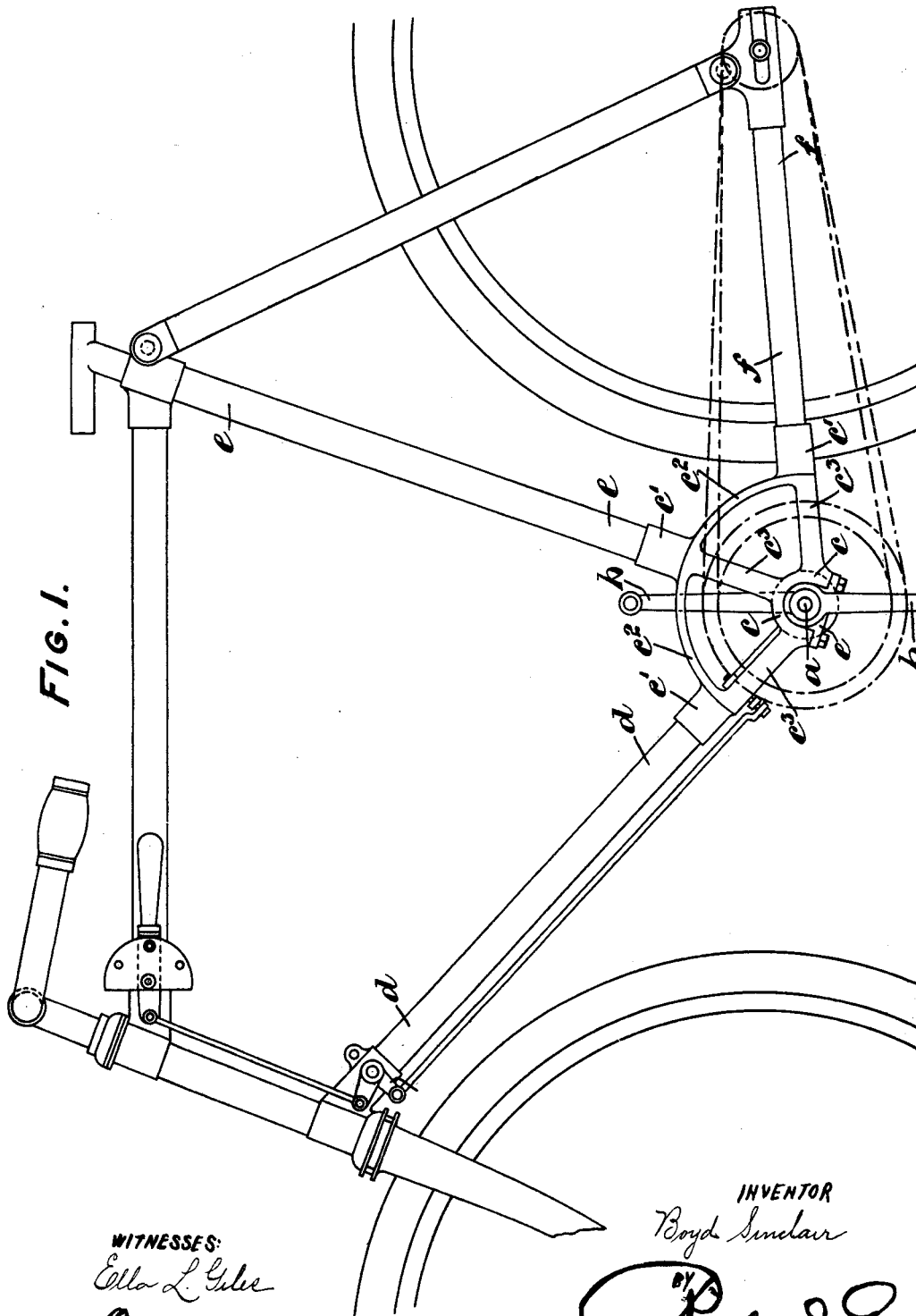
Patented June 11, 1901.

B. SINCLAIR.
DRIVING MECHANISM FOR VELOCIPEDES.

(Application filed Aug. 15, 1900.)

(No Model.)

2 Sheets—Sheet 1.



WITNESSES:
Edna L. Giler
Otto Munk

INVENTOR
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ATTORNEYS

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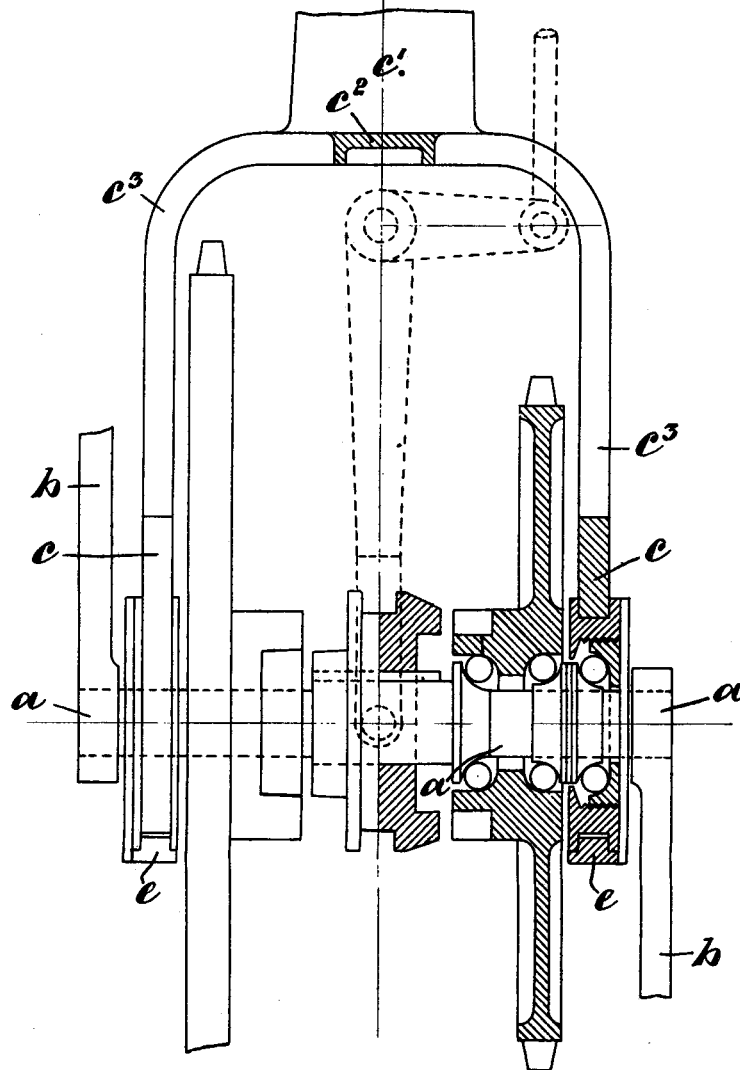
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2 Sheets—Sheet 2.

FIG. 2.



WITNESSES:
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UNITED STATES PATENT OFFICE.

BOYD SINCLAIR, OF WATERLOO, ENGLAND.

DRIVING MECHANISM FOR VELOCIPEDES.

SPECIFICATION forming part of Letters Patent No. 676,051, dated June 11, 1901.

Application filed August 15, 1900. Serial No. 28,973. (No model.)

To all whom it may concern:

Be it known that I, BOYD SINCLAIR, a subject of the Queen of England, and a resident of Waterloo, in the county of Lancaster, England, have invented certain new and useful Improvements in Driving Mechanism for Velocipedes, of which the following is a specification.

My invention relates to a crank-hanger for bicycles and like vehicles, and is shown in the accompanying drawings, in which—

Figure 1 is a side view of a bicycle-frame embodying my invention. Fig. 2 is a view along the crank-axle, some of the parts being in elevation and some in section.

In the drawings, *a* is the crank-shaft, and *b* the cranks fixed thereon. The crank-hanger comprises the bracket *c*, carrying the bearings for the crank-shaft. This bracket is attached to and carried by the frame-tubes *d*, *e*, and *f*, and it connects these tubes together, said tubes fitting in sockets *c'*, which are connected with each other by a curved bar *c''*. The central portion of the bracket *c* at each end of the axle connects with the sockets *c'* and bar *c''* by means of a series of radiating arms *c³*, three being arranged on each side of the

bracket, or, in other words, at each end of the crank-shaft. The space between the arms *c³*, as shown in Fig. 2, is occupied by any suitable driving and clutch mechanism, such as that shown. The arms *c³* being arranged in pairs present a series of forks connected by the part *c''*.

Having now particularly described and ascertained the nature of this invention and in what manner the same is to be performed, I declare what I claim is—

A crank hanger or bracket comprising the attaching portions *c'* the bars *c³* radiating from each end of the axle to connect with said attaching portions, and the connecting part *c''* extending between the outer ends of the said radiating bars, the said bars *c³* arranged in pairs presenting a series of forks connected by the part *c''*, substantially as described.

In witness whereof I have hereunto set my hand in presence of two witnesses.

BOYD SINCLAIR.

Witnesses:

JOHN H. WALKER,
FRANK E. FLEETWOOD.