

(No Model.)

W. V. SNYDER.
TRICYCLE.

No. 503,991.

Patented Aug. 29, 1893.

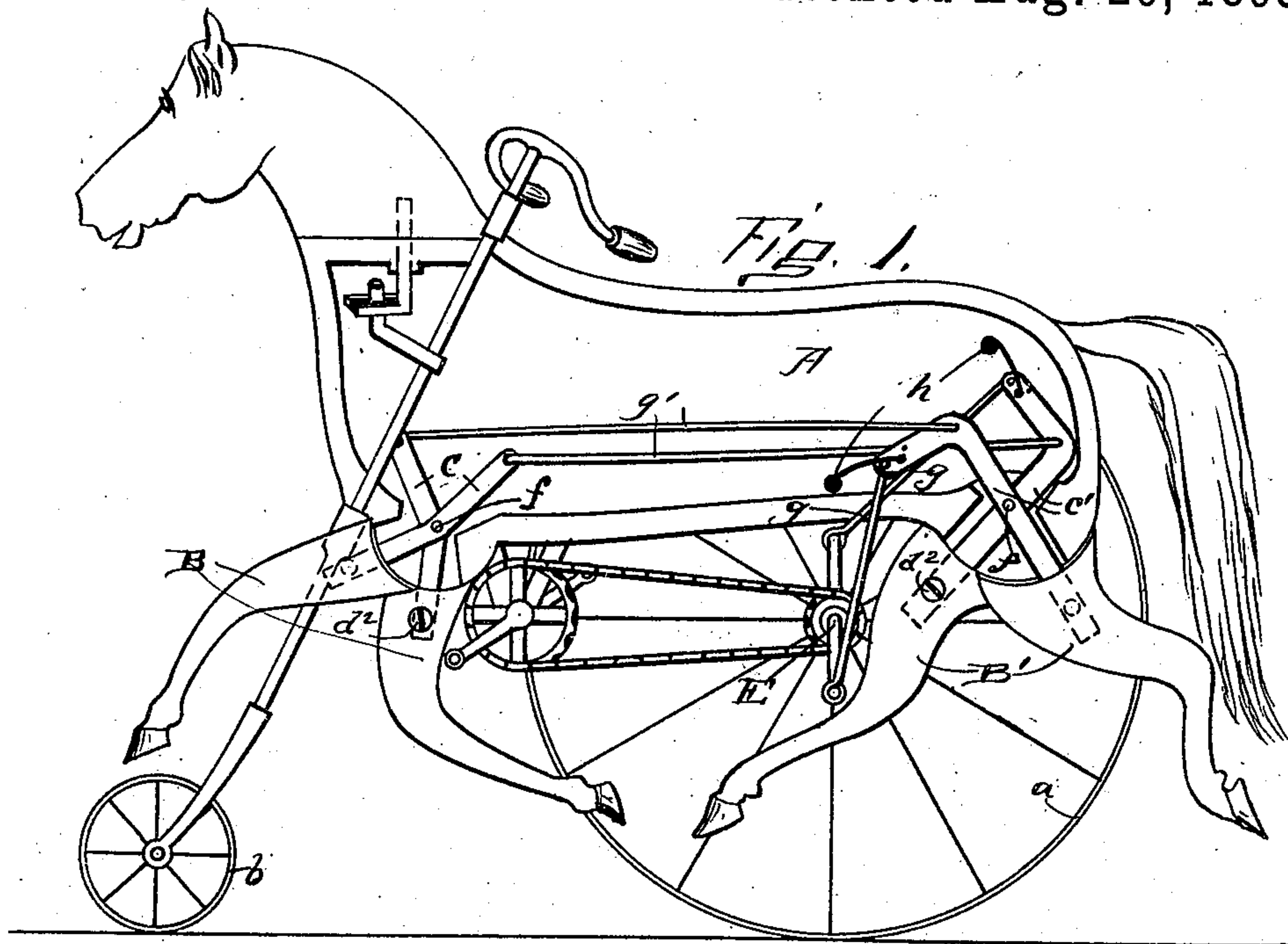


Fig. 2.

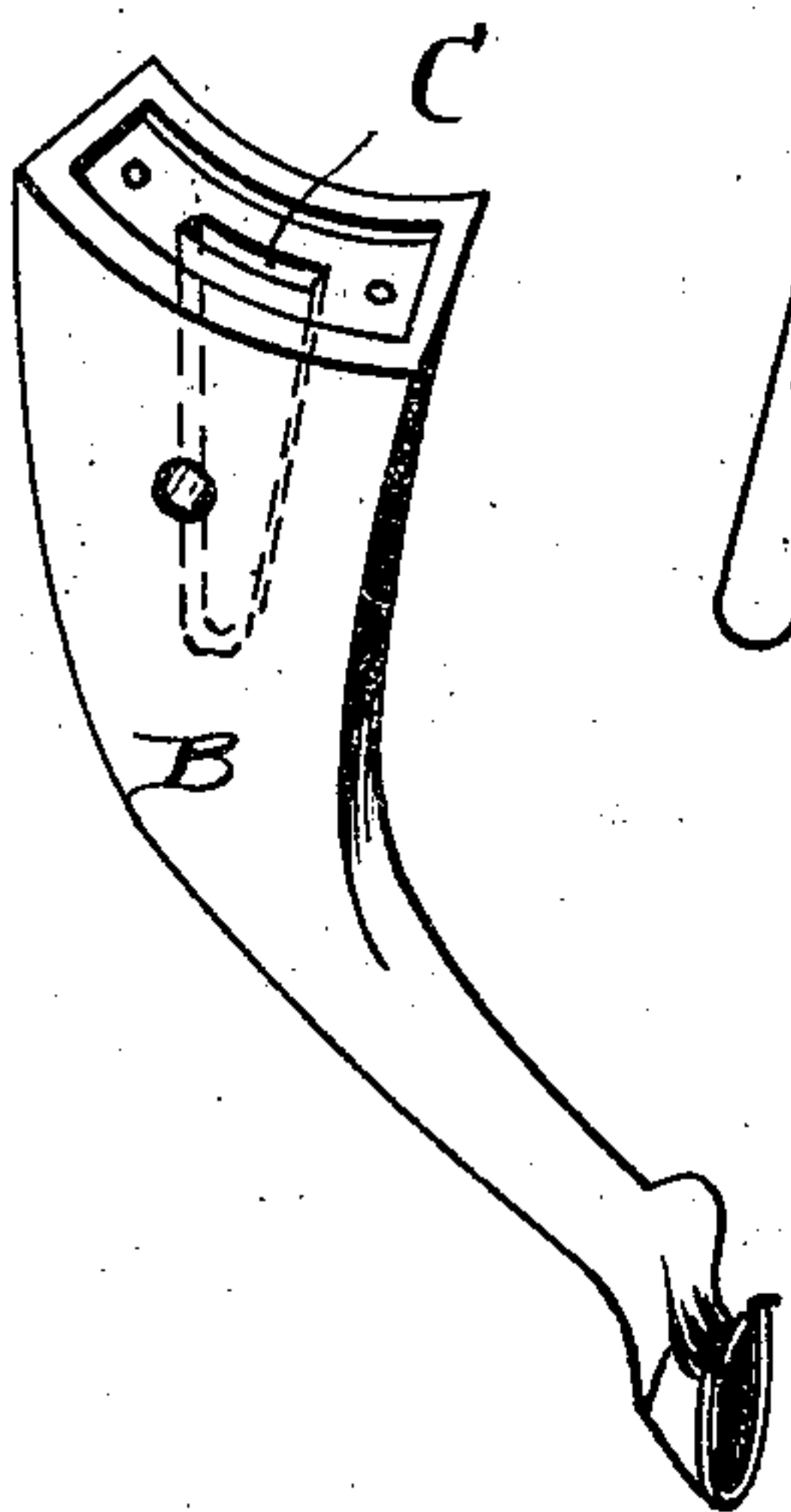


Fig. 3.

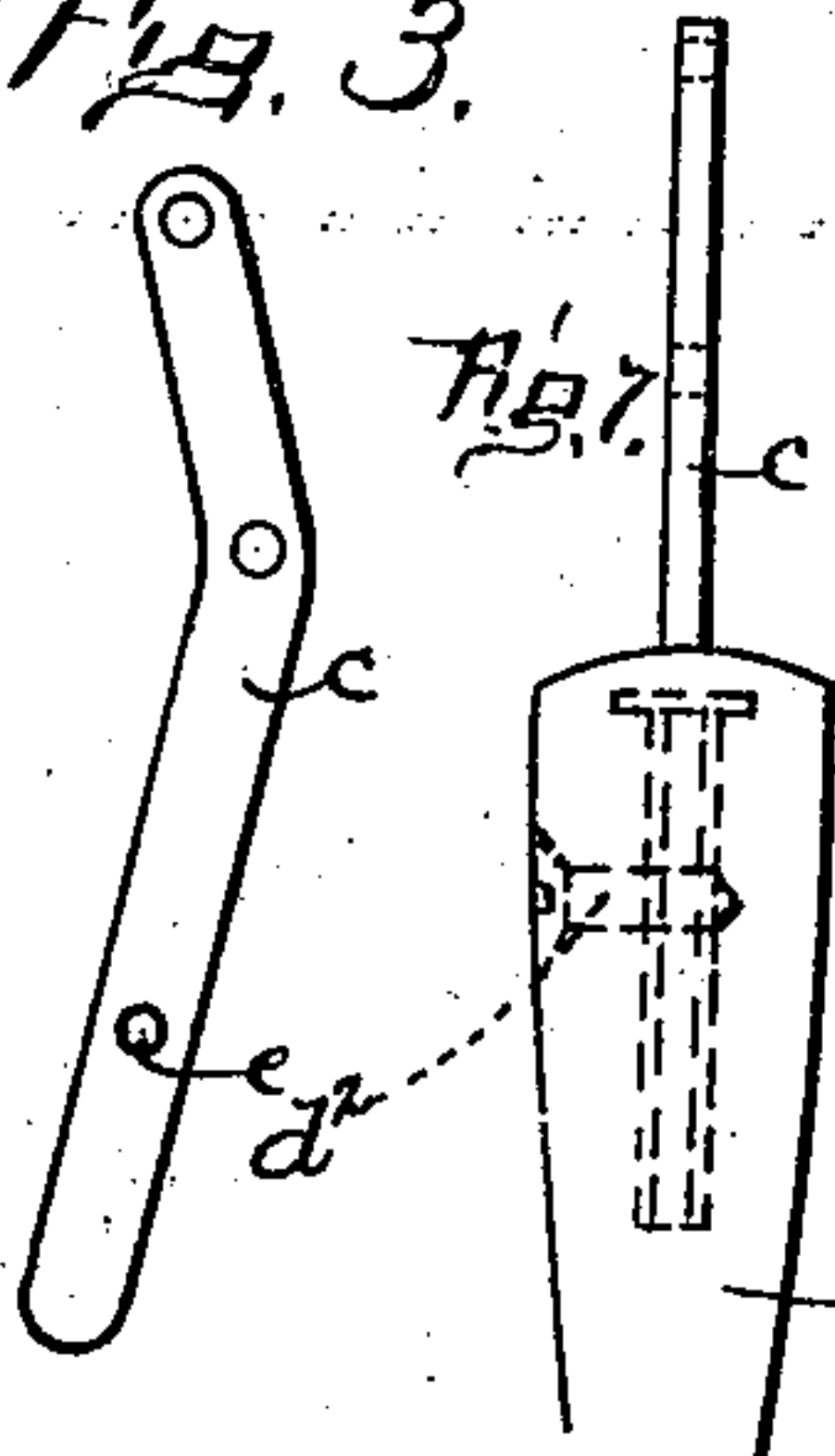


Fig. 7.

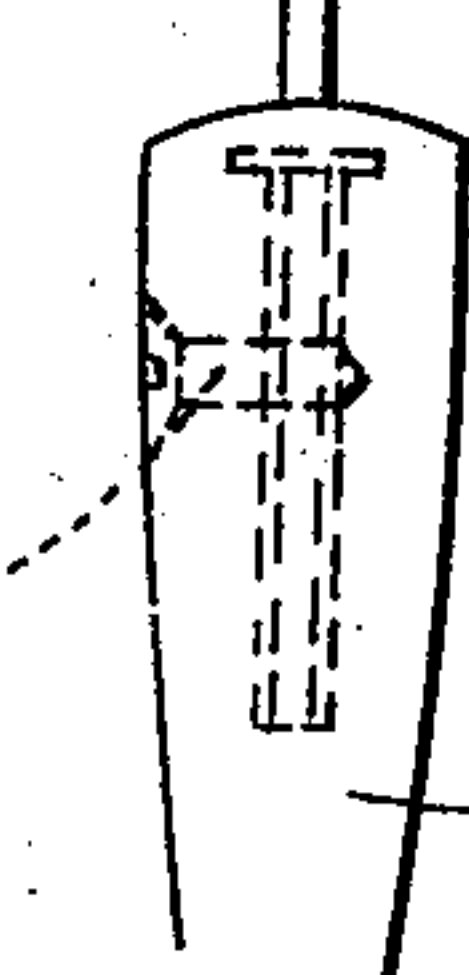


Fig. 4.

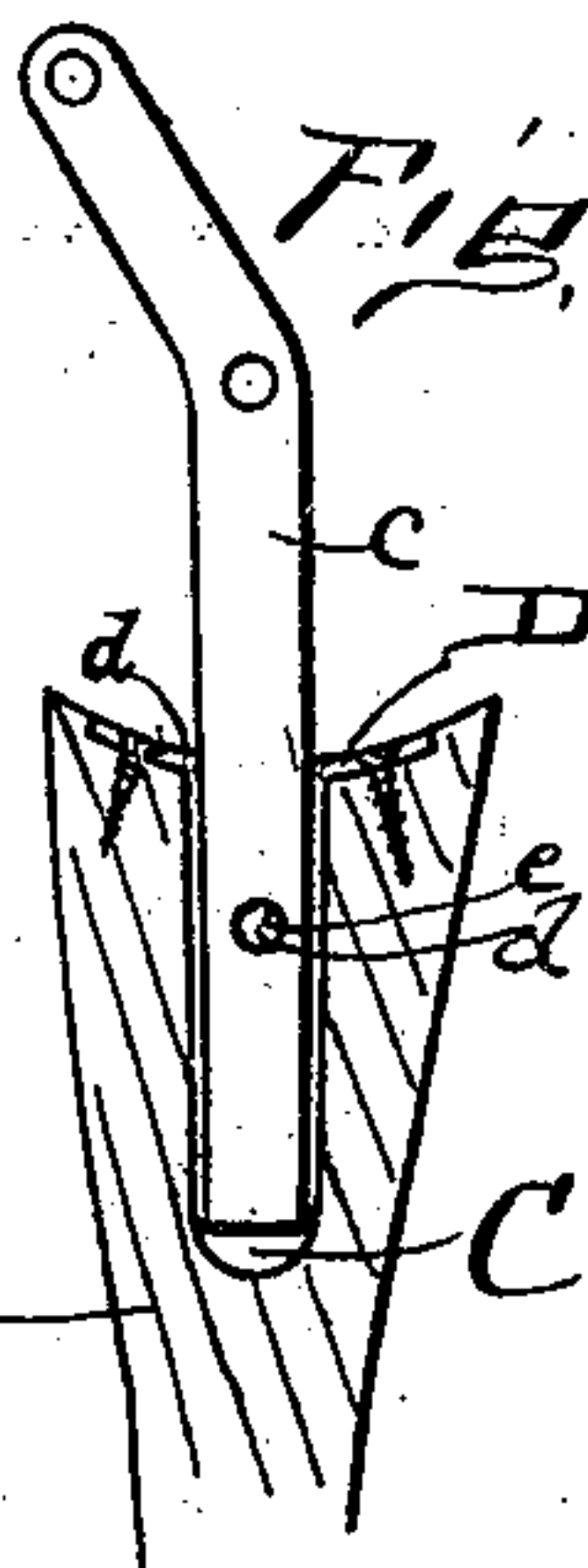
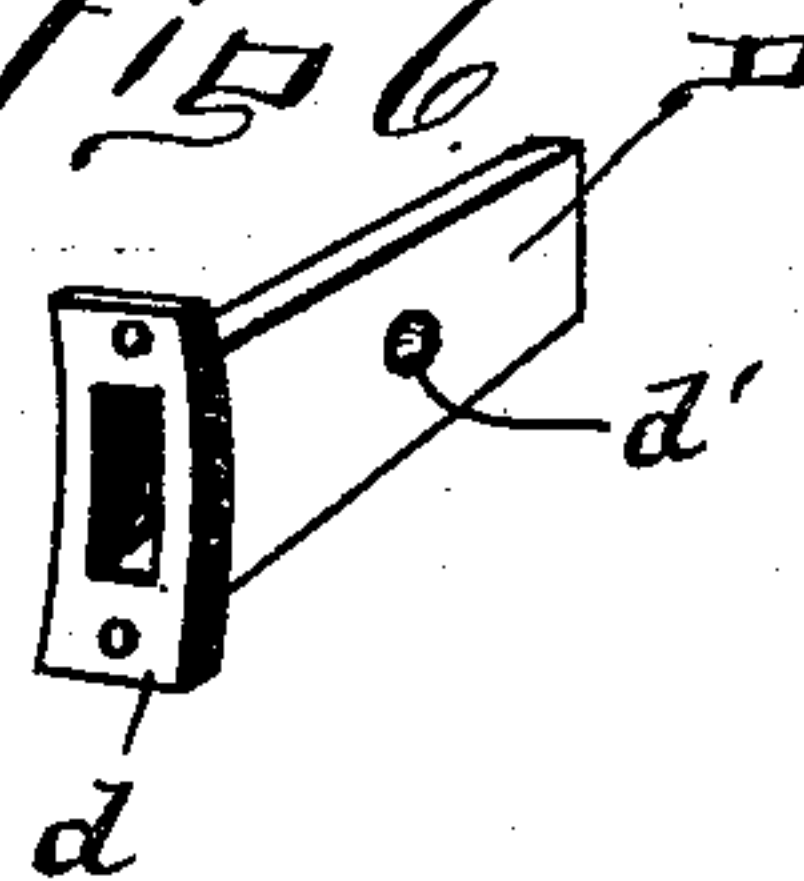


Fig. 5.



Fig. 6.



Witnesses
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UNITED STATES PATENT OFFICE.

WALDO V. SNYDER, OF CANTON, OHIO.

TRICYCLE.

SPECIFICATION forming part of Letters Patent No. 503,991, dated August 29, 1893.

Application filed September 29, 1892. Serial No. 447,298. (No model.)

To all whom it may concern:

Be it known that I, WALDO V. SNYDER, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have
5 invented certain new and useful Improvements in Tricycles; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this
10 specification, and to the letters of reference marked thereon, in which—

Figure 1, is a longitudinal section, showing the mechanism for communicating movement to the legs. Fig. 2, is a detached view of one
15 of the legs, showing the attaching-arm removed therefrom. Fig. 3, is a detached view of the leg-attaching arm. Fig. 4, is a longitudinal section of a portion of one of the legs showing the attaching arm properly attached
20 thereto. Fig. 5, is a detached view of the screw for attaching the arm and leg together. Fig. 6, is a detached view of the thimble or socket designed and calculated to hold the attaching arm. Fig. 7, is an edge view of one
25 of the legs, showing the attaching-arm properly located and attached.

The present invention has relation to tricycles, and it consists in the different parts and combination of parts hereinafter described
30 and particularly pointed out in the claims.

Similar letters of reference indicate corresponding parts in all the figures of the drawings.

In the accompanying drawings A represents
35 the body, which in this instance is that of a horse; but it will be understood that any other quadruped can be used without departing from the nature of my invention. The body A, is supported at the required height by
40 means of the traveling wheels *a* and *b*, which traveling-wheels are journaled and attached in the ordinary manner.

To the body A, are pivotally attached the oscillating arms *c* and *c'* which arms are located substantially as illustrated in Fig. 1.
45 The oscillating-arms *c* and *c'*, are formed separately and apart from the legs B and B', and are so formed for the purpose of removably attaching the said legs for the purpose hereinafter described.
50

The top or upper ends of the legs B and B', are each provided with apertures such as C,

which apertures are for the purpose of receiving and holding the thimbles or sockets D; said thimbles or sockets being located substantially as illustrated in the drawings. For
55 the purpose of securely attaching the thimbles or sockets D, to the legs B and B', the shoulders *d*, are provided, which shoulders form flanges upon the top or upper ends of
60 the thimbles or sockets. The top or upper ends of the legs B and B', are concave, and are so formed for the purpose of forming a working-joint or connection between the body A, and
65 said legs; and for the purpose of forming a neat joint, the flanges *d*, are set or recessed into the top or upper ends of said legs substantially as illustrated in Fig. 4. The thimbles or sockets D, are each provided with
70 cross-apertures *d'*, which cross-apertures are for the purpose of receiving the screws *d''*, said screws being located substantially as shown in Fig. 7. The attaching arms *c* and
75 *c'*, are each provided with an aperture such as *e* which aperture is so located that it will register with the cross-aperture *d'*, when said attaching arms are properly adjusted to the legs B and B', it being understood that cross-apertures are to be formed in the legs B and B';
80 which register with the apertures *d'* and *e*; the screw *d''* being passed through all of said apertures.

For the purpose of forming a rigid connection between the attaching arms *c* and *c'*, and the legs B and B' the portions of the arms *c*
85 and *c'* should fit snugly in the apertures or recesses formed in the sockets or thimbles D, thereby causing the legs B and B', to move with the arms *c* and *c'*.

In the drawings a screw is shown for removably attaching the legs B and B', to the arms
90 *c* and *c'*, but it will be understood that pins may be substituted for the screws shown; but I prefer to use screws such as shown and described. The arms *c* and *c'*, are fulcrumed
95 to the cross-bars *f*, which cross-bars are located substantially as shown in Fig. 1. If desired, the cross-bars *f*, may be extended entirely across the body, and one cross-bar used for attaching each set of the arms *c* and *c'*
100 but if desired, a separate pin may be used for each of the arms *c* and *c'*. Motion is communicated to the legs B and B', by means of the crank-shaft E, and the pitmen *g*, which pit-

men are journaled at their top or upper ends to the attaching arms c' , substantially as shown; to which arms the connecting wires are pivoted, and extend forward, and are connected to the top or upper ends of the arms c . It will be understood that the connecting-wires g' , should be crossed so as to produce the natural movements of the legs B and B'.

For the purpose of securely attaching the thimble or socket D, the screws h' , or their equivalents are used, and are located substantially as illustrated in Fig. 4.

The object of removably attaching the legs B and B' is to provide a better means for shipment.

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

1. The combination of the body A, the legs B and B', provided with the apertures C, the thimbles or sockets D, the oscillating or attaching arms c and c' , pivotally attached to

the body A, and the screws d^2 , or their equivalents, substantially as and for the purpose specified.

2. The combination of the body A, having pivoted thereto the arms c , and c' , the legs B and B', provided with the apertures C, and means for communicating motion to the legs B and B' substantially as and for the purpose specified.

3. The combination of the body A, the pivoted arms c and c' , having removably attached thereto the legs B and B', and the thimbles or sockets D, provided with the flanges or shoulders d , substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WALDO V. SNYDER.

Witnesses:

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CHAS. M. STANDS.