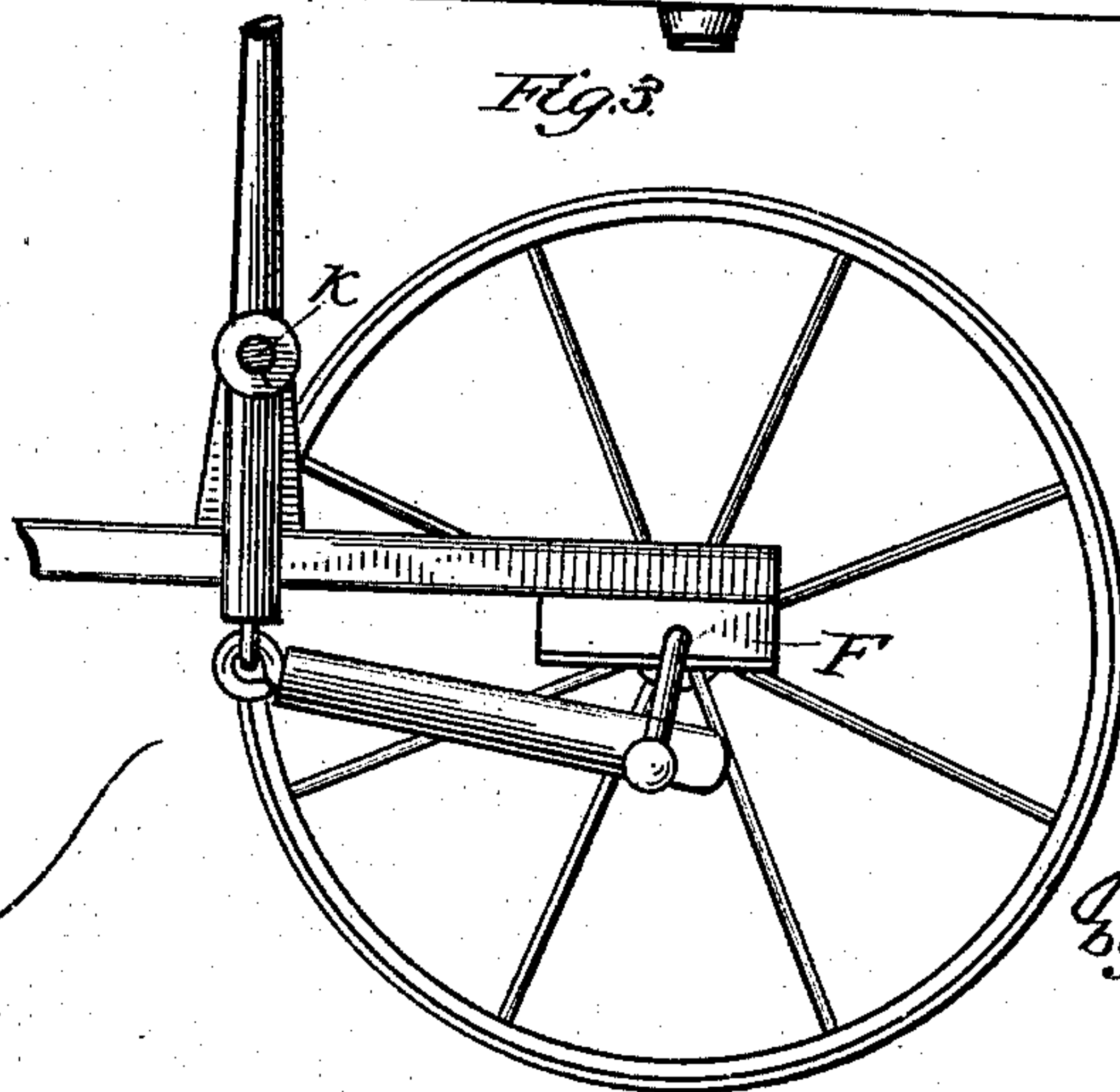
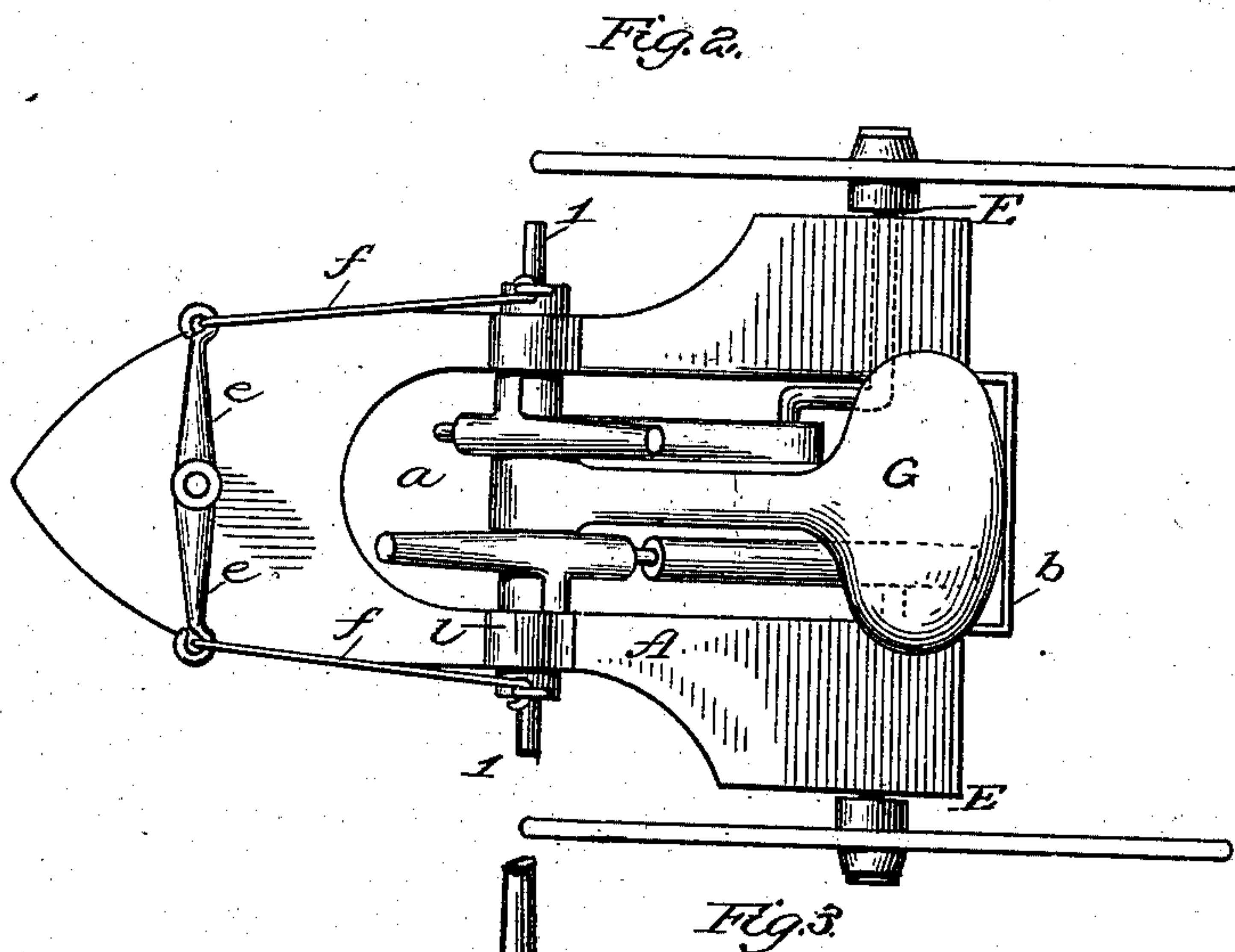
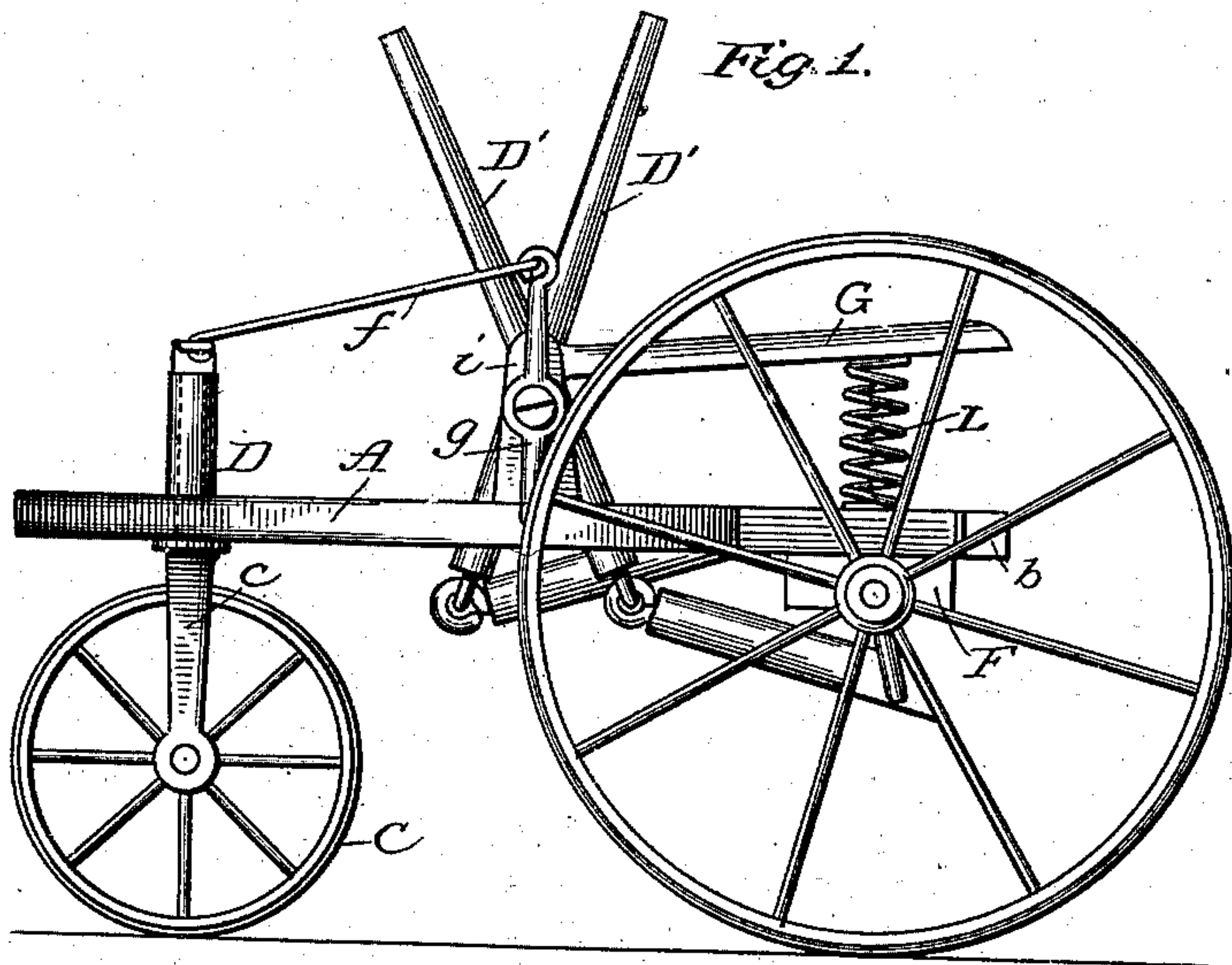


(No Model.)

J. J. COX.
VELOCIPEDÉ.

No. 271,800.

Patented Feb. 6, 1883.



Attest:
Walter H. Alderson
H. L. Middleton

Inventor
J. J. Cox
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Atty.

UNITED STATES PATENT OFFICE.

JOHN J. COX, OF VIRDEN, ILLINOIS.

VELOCIPEDÉ.

SPECIFICATION forming part of Letters Patent No. 271,800, dated February 6, 1883.

Application filed December 12, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOHN JASPER COX, of Virden, in the county of Macoupin and State of Illinois, have invented a new and useful Improvement in Velocipedes; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention relates to velocipedes of that class adapted to be operated by the hands and guided by the feet.

It consists of certain improved details of construction, all hereinafter fully explained and particularly claimed.

In the drawings, Figure 1 is a side elevation of the apparatus; Fig. 2, a vertical longitudinal section of the same, and Fig. 3, a plan view.

In these drawings, A represents the frame, which may be formed out of a single piece of board or plank or other suitable material. It is cut away, as shown at *a*, and is braced in the rear part by a bent bar, *b*. In the forward part is pivoted the standard *c* of a guide-wheel, C. The upper part of said standard turns in suitable bearing, D. To the upper end of this standard are fixed cross-arms *e*, which are connected to foot-levers *g* by intermediate rods, *f*. The foot-levers are pivoted upon standards *i*, set in the sides of the frame A. These levers are provided with foot-pieces *l*, projecting downward from the frame and adapted to receive the feet of the rider as he sits astride the seat. This construction permits the feet to be placed on the outside, and the arrangement of the hand-levers is inside of the foot-levers. These hand-levers are shown at D' D'. They are pivoted upon a rod, *k*, passing through the upper parts of the standards, and are connected by pitmen to the crank-shafts of the independent axles E. These independent axles are supported in broad bearings in the sides F F of the frame A.

On the same rod which supports the pivoted hand-levers, and between said levers, I pivot the forward end of the seat G. This seat is

formed out of board or other suitable material, of the shape shown in Fig. 3. The front part is cut narrow, and the rear wide part, which forms the seat, is supported upon suitable springs, L L.

The objects which I have aimed at in the described construction are cheapness of manufacture, and simplicity and strength in the structure, and convenience for the user, thus making it possible for him to attain great speed with little effort.

What I claim as my invention is—

1. In a velocipede, the combination, with the solid bed-piece A, having the space *a*, and widened at its rear end to form broad bearings for the axle-journals, of the independent and disconnected axles, journaled in the said bearings and each formed with a crank connected to the operating-levers, substantially as described.

2. The combination, in a velocipede, of levers connected to the driving-axle and mounted upon a common shaft, with a seat having its forward end pivoted upon the same shaft.

3. In a velocipede, the combination, with the supporting-frame, of hand-levers connected to the driving-axle, foot-levers connected to the steering-wheel, and the seat, said levers and seat being pivoted upon a common shaft mounted in the frame-work, substantially as described.

4. The combination, in a velocipede, of the standards *i*, the levers pivoted between said standards, and the seat having a narrow front projection pivoted between the levers, and suitable supporting-spring, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of three subscribing witnesses.

JOHN J. COX.

Witnesses:

J. W. ARMSTRONG,
F. N. MARTIN,
H. C. SIMONS.