

No. 684,961.

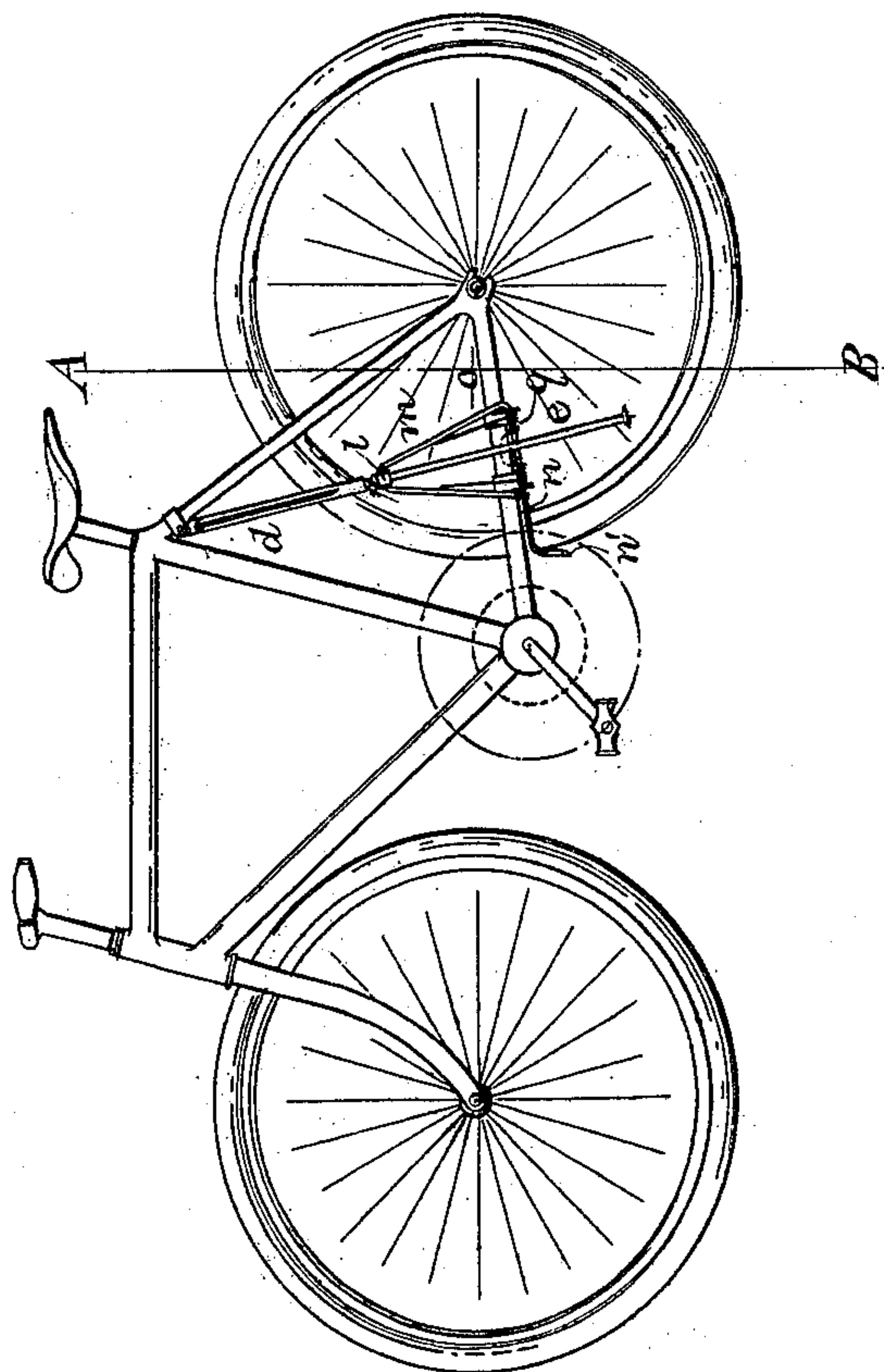
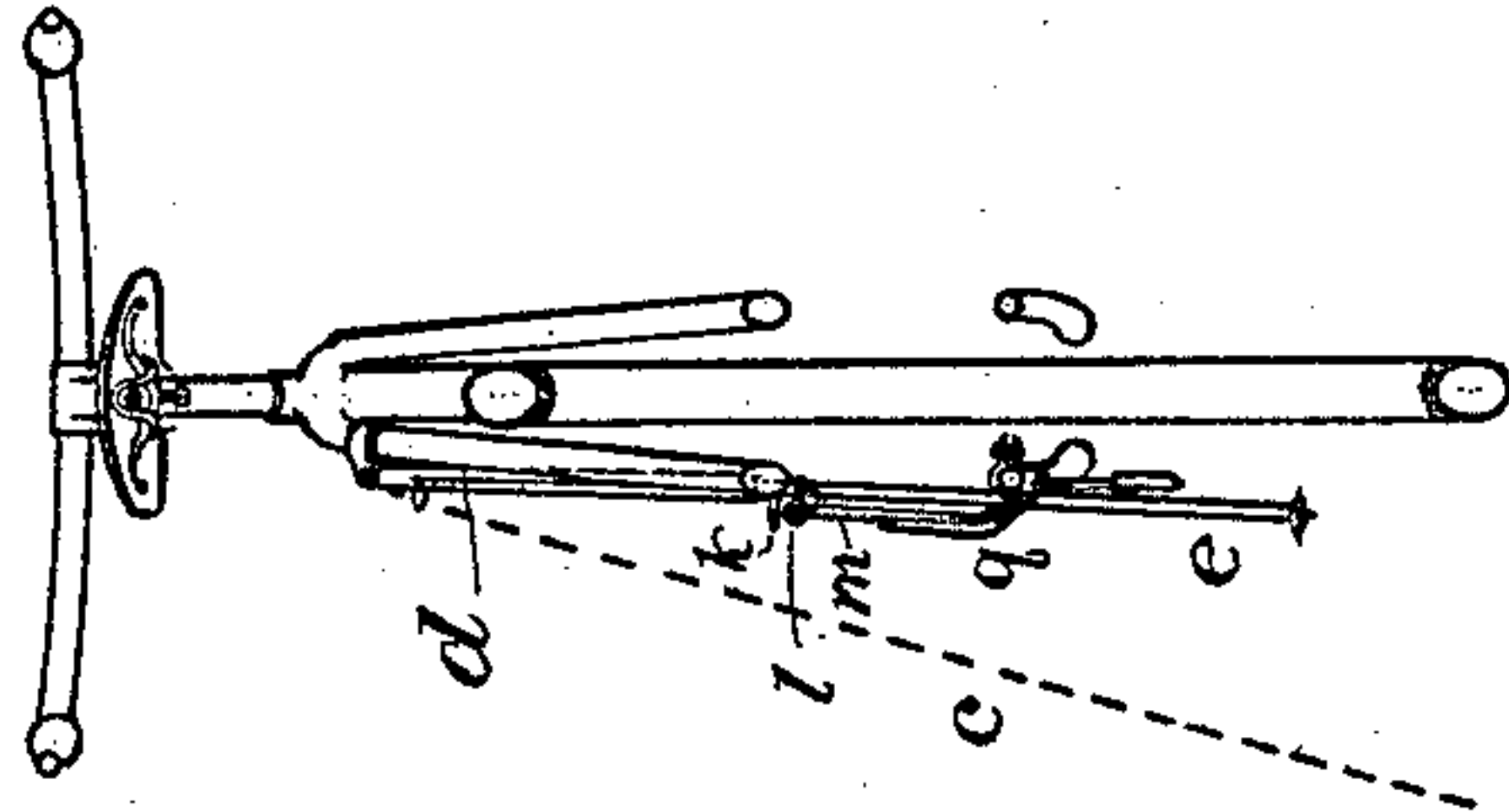
Patented Oct. 22, 1901.

C. L. VONDERAHE.
BICYCLE REST.

(Application filed Feb. 25, 1901.)

(No Model.)

2 Sheets—Sheet 1.



WITNESSES:

WITNESSES:
E. M. Howatson
R. H. Bingham

INVENTOR,

Christian Louis Vonderah

BY

J. Heisler
ATTORNEY

ATTORNEY

No. 684,961.

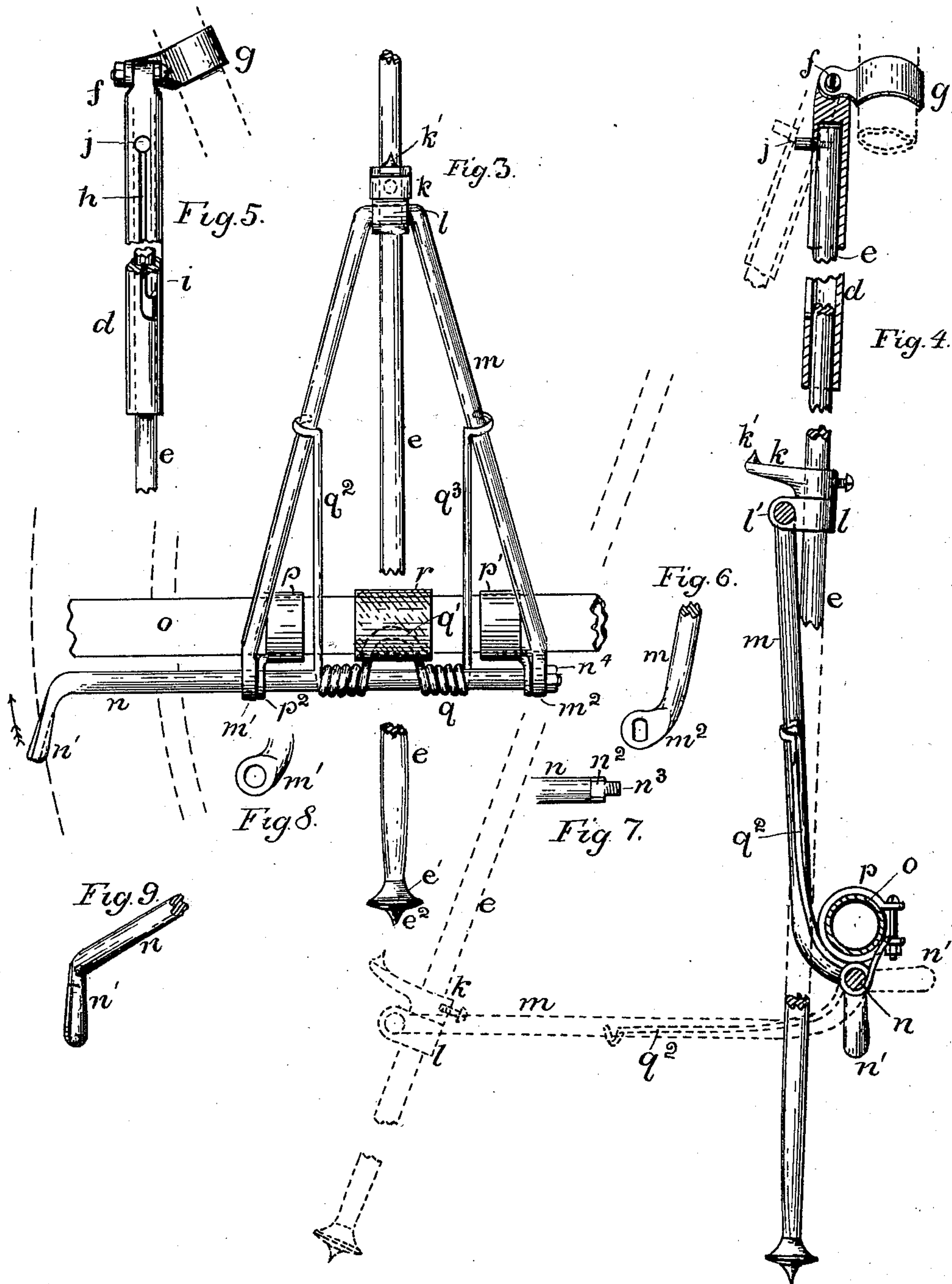
Patented Oct. 22, 1901.

C. L. VONDERAHE.
BICYCLE REST.

(Application filed Feb. 25, 1901.)

(No Model.)

2 Sheets—Sheet 2.



WITNESSES:
E. M. Howatson
R. M. Bingham

INVENTOR,
Christian Louis Vonderahe
BY *J. Pfeister*
ATTORNEY.

UNITED STATES PATENT OFFICE.

CHRISTIAN LOUIS VONDERAHE, OF PORTLAND, OREGON.

BICYCLE-REST.

SPECIFICATION forming part of Letters Patent No. 684,961, dated October 22, 1901.

Application filed February 25, 1901. Serial No. 48,834. (No model.)

To all whom it may concern:

Be it known that I, CHRISTIAN LOUIS VONDERAHE, a citizen of the United States of America, and a resident of Portland, in the
5 county of Multnomah and State of Oregon, have invented a new and useful Improvement in Bicycle-Rests, of which the following is a specification, reference being had to the accompanying drawings as a part thereof.

10 My invention relates to bicycle-rests adapted to be attached to the bicycle-frame and designed for supporting the bicycle in an upright position while standing.

The object of my invention is to obtain an
15 improved device of this character presenting new and useful as well as desirable features, as will be hereinafter explained.

The construction and operation of my improved bicycle-rest are illustrated in the draw-
20 ings.

In such drawings, Figure 1 is a side elevation showing my improved bicycle-rest attached to the bicycle-frame. Fig. 2 is a partial cross-section on line A B of Fig. 1, the
25 extension of the rest, so as to support the bicycle, being indicated by the broken line c. Fig. 3 is a partial front elevation on an enlarged scale showing the combination of the parts comprised in the construction of my bicycle-rest and the manner of its attachment to the
30 bicycle-frame. Fig. 4 is a partial side elevation agreeing with Fig. 3 and illustrates the operation of my improved bicycle-rest. Fig. 5 is a detail showing the upper portion of the tube *d* and the extensible rod *e* therein contained; and Figs. 6, 7, 8, and 9 are details of construction, which will be more fully described in the body of the specification.

The letters designate the parts referred to
40 throughout the several views.

My bicycle-rest is a simple device, easily made and attached to any bicycle. In its construction my invention consists of the tube *d*, provided at its upper end with a per-
45 forated ear *f*, to which to secure the clamp *g* by screw-bolt and nut for affixing the upper end of my rest to the bicycle-frame, as shown in Fig. 1. The tube *d* has a slot *h*, which at its lower extremity *h'* turns to one side, so as
50 to form a shoulder *i*. In the tube *d* is slidably contained the extensible rod *e*, such rod being provided in its upper extremity with a

stud-pin *j* for limiting its travel within the confines of the slot *h*, and such pin *j* serving to lock the rod in place when the latter is ex- 55 tended by bringing such pin under the shoulder *i*. On the rod *e*, below the tube *d*, is fixedly secured a collar *k*, having a toe *k'*. Below such collar *k* is a collar *l*, having a projecting perforated lug *l'*, in which is inserted 60 the two-membered arm *m*, the lower extremities *m'* *m''* of which arm are adapted to receive the rod *n*, having a brake-arm *n'*. (See also Fig. 9.) As shown in Fig. 8, the ex- 65 tremity *m'* of the arm *m* is flattened and provided with an annular perforation, while the extremity *m''*, as seen from Fig. 6, has a perforation of rectangular form to receive the square end *n''* of the right extremity of the rod *n*, such extremity being provided with a 70 threaded stud *n'''*, and the parts secured in place by a nut *n''''*. On the member *o* of the bicycle-frame are secured clips *p* *p'*, respectively, having perforated ears *p''*, through which extends the rod *n*. Such clips *p* *p'* pro- 75 vide the means for hingedly supporting the arm *m*, the extremities of such arm being curved, so as to pass around the frame member *o*. A spring *q* is secured on the rod *n* and has a rearwardly-projecting portion *q'* and 80 two members *q''* *q'''*, engaging the two members of the arm *m*. The tension of the spring *q* holds the arms and therewith the rod *e* in their normal or uplifted position. When 85 wishing to extend the rod *e*, the rider presses with his left foot on the toe *k'* sufficiently to overcome the resistance of the spring *q*, and then by a slight backward movement of his foot turns the pin *j* under the shoulder *i*, thereby locking the rod *e* in extended posi- 90 tion. The rod *e* is so gaged in length that when extended and the foot thereof rests on the ground the bicycle will be slightly inclined, so as to balance the rider while still mounted. The lower end of the rod *e* is pro- 95 vided with the foot *e'* and peg *e''*, so as to give a better support. The operation of extending the rod *e* turns the rod *n* and brings the brake-arm *n'* thereof against the tire of the rear wheel, as illustrated in Fig. 3. The 100 brake-arm performs an essential function, as it is necessary that simultaneously with the extension of the rod *e* the bicycle be brought to a standstill.

From the described construction and operation of my bicycle-rest it is apparent that the same can be conveniently operated by the rider while still mounted or sitting on the saddle.

The convenient use of my invention afforded by its construction, as mentioned, makes it a practical device. The rider by a movement of his foot may stop and rest at any moment, and he may remain seated on his bicycle while resting or while watching a parade, for example, and when ready to proceed again on his journey he has but to turn the toe k' with his foot, so as to disengage the pin j from the shoulder i , and by then taking his foot off the toe k' the spring q will throw the rod e back into its normal position.

While in its normal position, as illustrated in Fig. 1, my bicycle-rest in no wise interferes with the convenient use of the machine.

My bicycle-rest should be so attached to the bicycle-frame that the pedal-cranks will just clear the same, about as shown in Fig. 1. In order that the enamel of the member o of the frame may not be defaced, I affix a rubber collar r , against which the central portion q' of the spring q bears. Such rubber collar may also be of sufficient size to extend under the member q^2 q^3 of the spring, so as to render the operation of my device as noiseless as possible.

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

1. The combination of an extensible foot pivotally attached to the bicycle-frame, the extensible portion of such foot being adapted to be locked in place when extended; an arm hingedly attached to the bicycle-frame, the hinge pin or rod of such arm turning with the same, and having a projecting portion adapted to operate as a brake; means pivotally connecting the free end of said arm with the extensible foot, and a spring adapted to engage such arm and normally hold the same in uplifted position, substantially as described.

2. The combination of an extensible foot pivotally attached to the bicycle-frame, the extensible portion of such foot being adapted to be locked in place when extended; a two-membered arm; means for hingedly attach-

ing the same to the bicycle-frame, the hinge pin, or rod, of such arm turning with the same and having a projecting portion adapted to operate as a brake; a fixed collar on the extensible portion of the foot, having a projecting toe; a second collar below said fixed collar with which second collar the free end of the two-membered arm is pivotally connected, and a spring adapted to engage the hinged arm and normally hold the same in uplifted position, substantially as described.

3. The combination of an extensible foot; means for pivotally attaching the upper end of the same to the bicycle-frame, the extensible portion of such foot being adapted to be locked in place when extended; the two-membered arm, m ; means for hingedly attaching the same to the bicycle-frame, the hinge pin, or rod, of such arm turning with the same, and having a projecting portion adapted to operate as a brake; a fixed collar on the extensible portion of the foot, having a projecting toe; a second collar on such foot below the fixed collar with which second collar the free end of the arm, m , is pivotally connected; and the spring, q , having two free members by which the hinged arm is normally held in uplifted position, substantially as described.

4. The combination of the tube, d , the sliding rod, e , therein, the former having a slot, h , and the latter a pin, j , traveling therein, and whereby such extensible rod may be locked in place when extended; the two-membered arm, m ; clips, p , p' , for hingedly attaching the same to the bicycle-frame, the hinge pin, or rod, of such arm turning with the same, and having a projecting portion adapted to operate as a brake; the fixed collar, k , and the collar, l , on the rod, e ; the latter having a perforated ear holding the free end of the arm, m ; and the spring, q , having two free members by which the hinged arm is normally held in uplifted position, substantially as described.

In testimony whereof I have hereunto affixed my signature, in the presence of two witnesses, this 24th day of January, 1901.

CHRISTIAN LOUIS VONDERAHE.

Witnesses:

T. J. GEISLER,

E. M. HOWATSON.