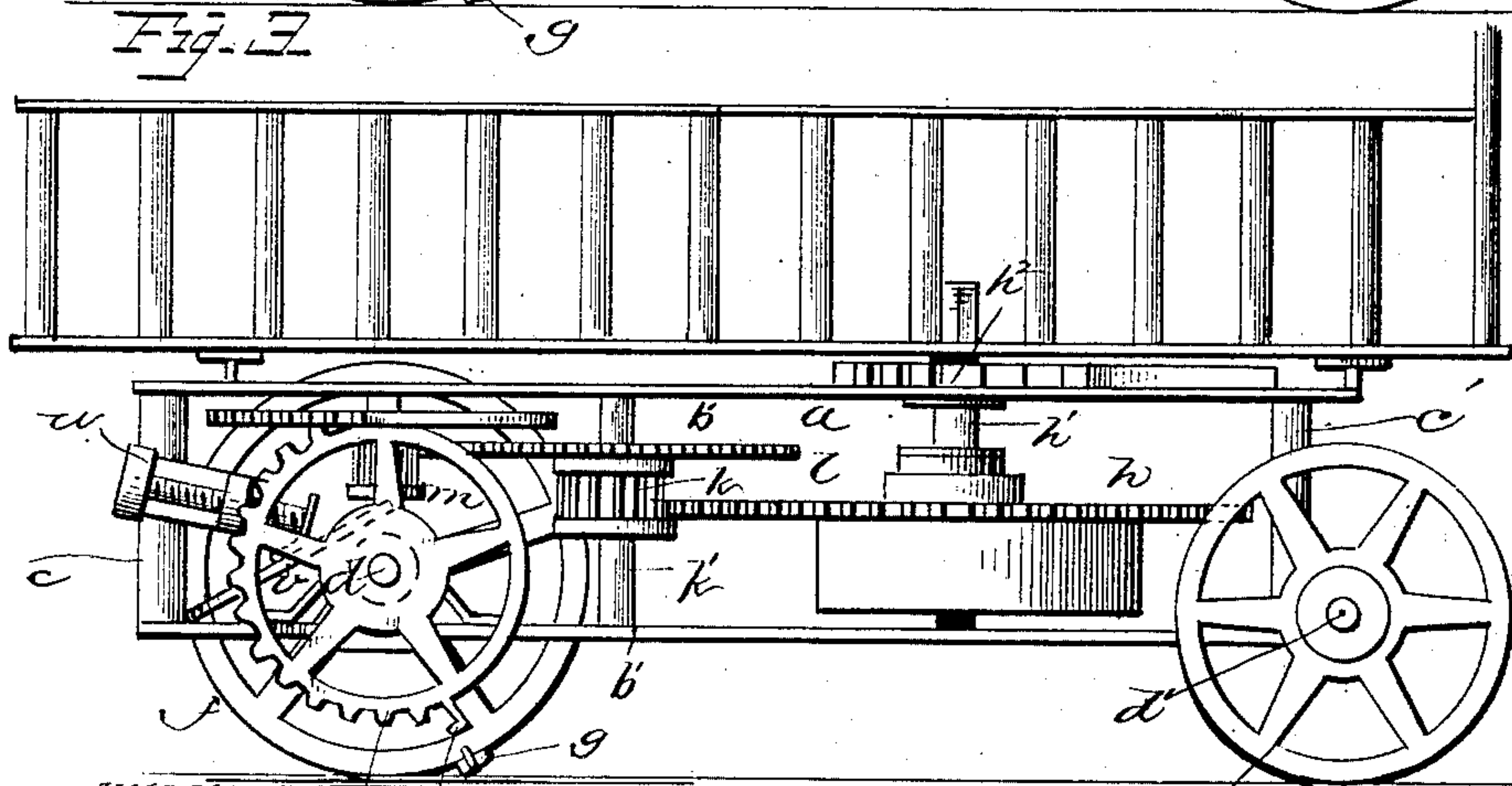
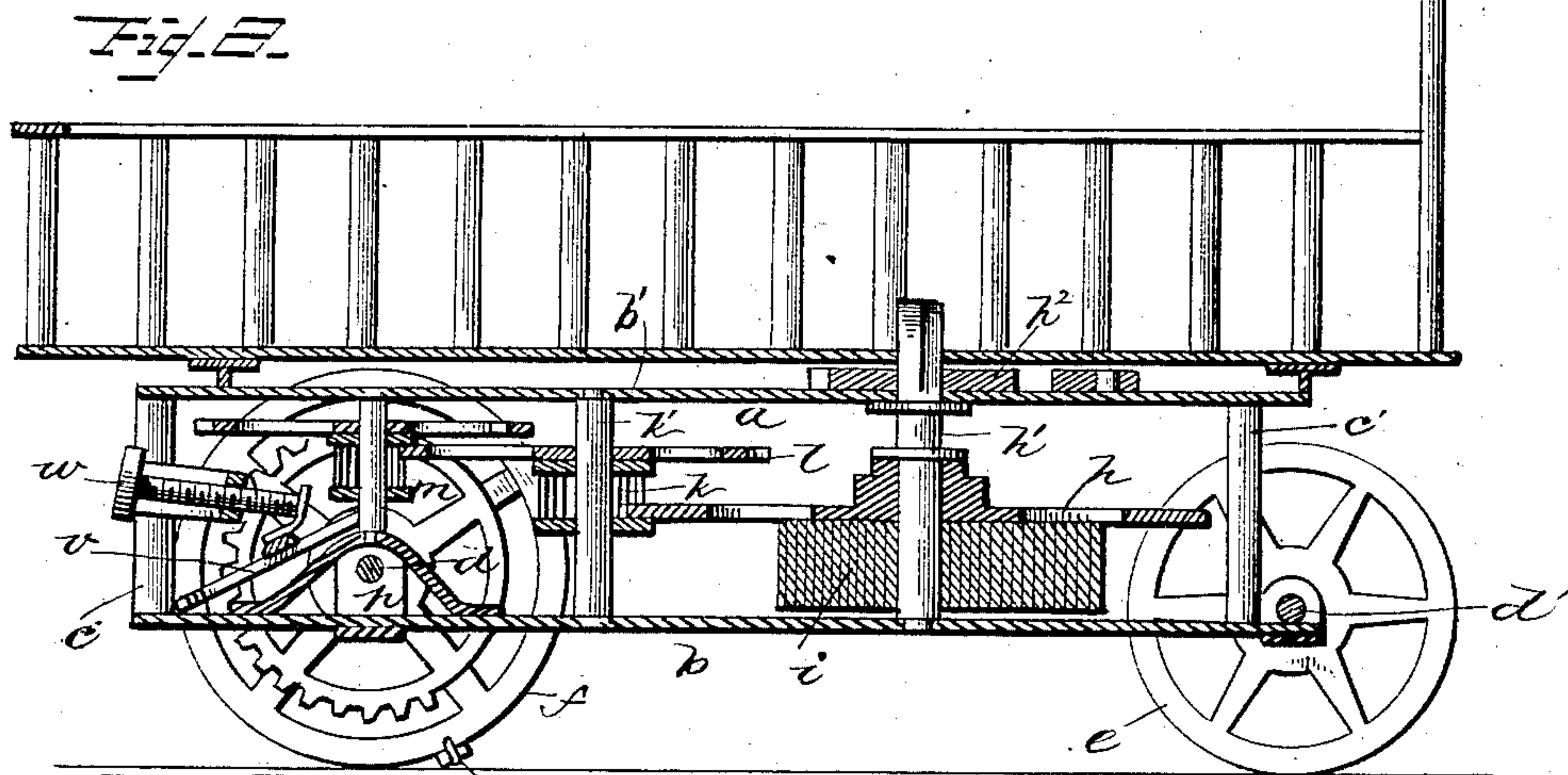
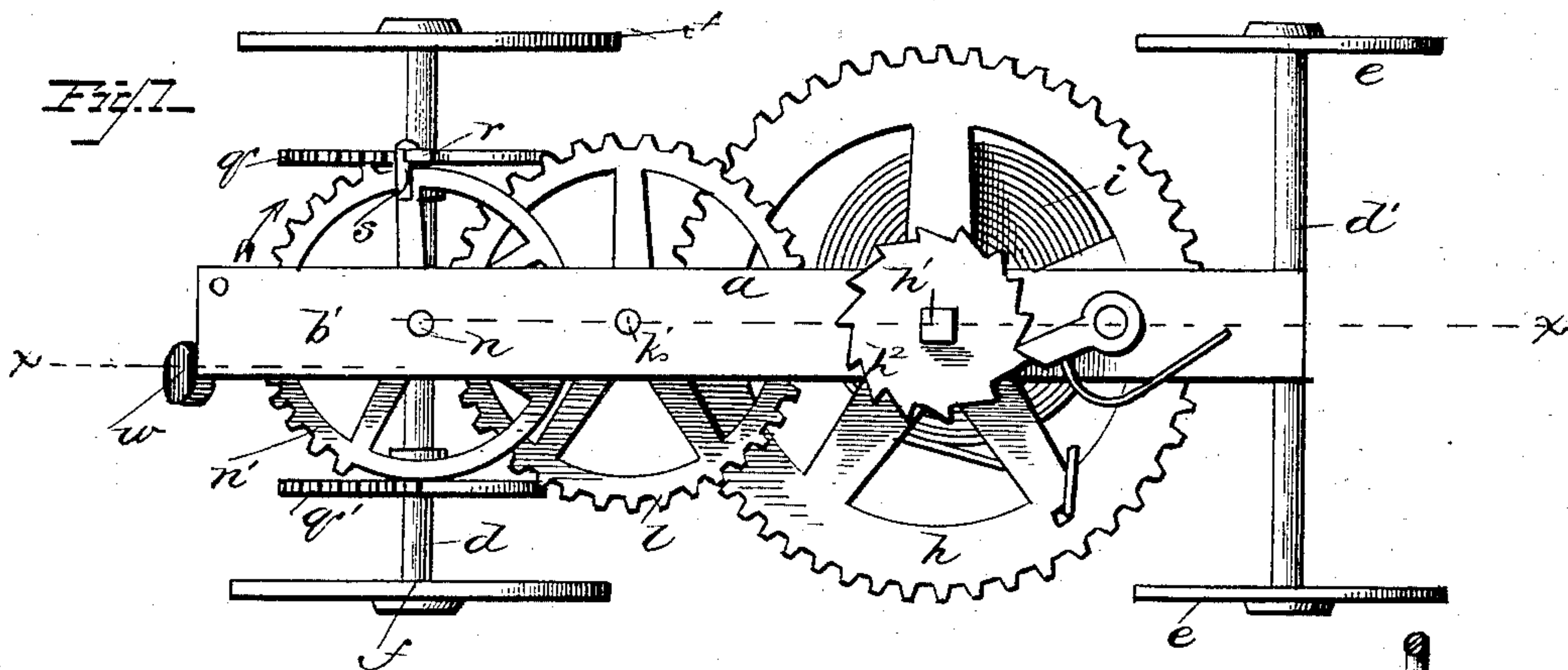


A. D. POST.  
CRADLE.

Patented Apr. 7, 1885.



WITNESSES

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# UNITED STATES PATENT OFFICE.

ANDREW DECKER POST, OF KEYPORT, NEW JERSEY.

## CRADLE.

SPECIFICATION forming part of Letters Patent No. 315,165, dated April 7, 1885.

Application filed April 4, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, ANDREW D. POST, a citizen of the United States, residing at Keyport, in the county of Monmouth and State of New Jersey, have invented a new and useful Cradle, of which the following is a specification, reference being had to the accompanying drawings.

This invention has relation to automatic cradles designed to be constructed in full size to receive and rock the child, or to be made in toy size for the amusement of the child; and it consists in the construction and novel arrangement of parts, as will be hereinafter fully described, and particularly pointed out in the claims.

Figure 1 is a plan view of the operating mechanism, the body of the cradle being removed. Fig. 2 is a vertical sectional view on the line *x x*, Fig. 1; and Fig. 3 is a side view with one of the wheels removed.

Referring by letter to the accompanying drawings, *a* designates the frame of the cradle, consisting of the two parallel bars *b b'*, connected at their ends by two vertical posts, *c c'*. This frame *a* is supported on the axles *d d'*, and forms the bearings for the gearing that rocks the cradle. The axles turn in their bearings in the frame, and are provided with fixed wheels *e e* and *f f*, the latter being larger than the former, and provided with stops *g g* on their rims. The toothed driving-wheel *h* is mounted on a vertical shaft, *h'*, provided with a spring-pawl and ratchet, *h<sup>2</sup>*, and is driven by a spring, *i*, connected with said wheel *h* and its shaft *h'*, and adapted to be coiled on the shaft by winding the latter with a key. The teeth of the driving-wheel *h* engage a trundle-wheel, *k*, on the shaft *k'* of the wheel *l*, and the teeth of this wheel *l* engage a trundle-wheel, *m*, on the shaft *n* of a segmentally-toothed wheel, *n'*, directly over the axle *d*. The axle *d* is mounted in bearings *p*, a short distance above the lower bar, *b*, of the frame, to render the frame level. The axle *d* is provided with two segmental toothed wheels, *q q'*, located at opposite sides of the segmental wheel *n'* on the vertical shaft *n*. The wheels *q* and *q'* are provided with radial arms *r r'*, projecting from their rims at the ends of the lines of teeth which are engaged by a hook-arm, *s*, projecting from the rim of the seg-

mental gear-wheel *n'* at the forward end of its line of teeth and over the same. The segmental gear-wheel *n'* revolves in the direction of the arrow, and, as the hook-arm *s* strikes the arm *r* on the segmental gear-wheel *q*, the cradle is rolled forward by the teeth on the wheel *n'* engaging with the teeth on the rim of the wheel *q* until the plain portions of the wheels *n'* and *q* meet, when the hook-arm *s* will engage the arm *r'* on the segmental gear-wheel *q'* and roll the cradle backward, the operation being repeated until the spring runs down. The segmental gear-wheels have the teeth extending only half-way around the rim. They may extend three-quarters of the way around. The wheels *q q'* are provided with hubs on their inner faces, against which a brake, *v*, bears when operated by a screw, *w*. A lever, however, may be used for this purpose. The location of the driving-wheel may be varied, so that the mechanism may be wound up either from the top, bottom, or the end of the frame.

This rolling cradle is convenient for use, relieves the mother or nurse from the exertion of rocking or rolling the cradle, and is noiseless and safe. In the form of a toy it will prove a source of great amusement to children.

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

1. In a rolling cradle, the combination, with the cradle proper mounted on wheels, one of its axles having a pair of segmental gear-wheels, of a third segmental gear engaging alternately with one or the other of the gears, and operated by a train of gearing to roll the cradle to and fro, as set forth.

2. In a rolling cradle, the combination, with the cradle-frame mounted on wheels, one pair provided with stops, and the axle of which has a pair of segmental gears, of a third segmental gear engaging alternately with one or the other of the pair, and having a hook-arm and a train of gearing, arranged and operating as set forth.

3. In a rolling cradle, the combination, with the cradle proper mounted on wheels, of the train of gearing supported beneath the same, and connecting with the wheels to roll them to and fro, and stops on the wheels for limiting the movement of the cradle, as set forth.

4. In a rolling cradle, the combination, with



the frame provided with the driving-wheel, power-spring, and pawl and ratchet, the intermediate gearing, and segmental gear-wheel, of the axles for the carrying-wheels, one of  
5 which is provided with the pair of segmental gear-wheels engaging alternately with the other segmental gear-wheel, as set forth.

5. In a rolling cradle, the combination, with the cradle-frame proper, and its carrying  
10 wheels and axles, of a train of gearing connecting with a pair of gears on the axle of one of the wheels, and alternately operating one or the other of the gears, as and for the purpose set forth.

15 6. In a rolling cradle, the combination, with the cradle proper mounted on wheels, one of its axles having a pair of gear-wheels, of a third gear engaging alternately with one or the other of the gears on the axle, a train of  
20 gearing for operating the third gear, and a brake engaging with the hub of the gears on the axle, as set forth.

7. In a rolling cradle, the combination, with the frame provided with the driving-wheel, its spring-pawl and ratchet, and power-spring, 25 the intermediate gear-wheel, and the segmental gear-wheel having a hook-arm, of the segmental gear-wheels provided with radial arms on their rims at the ends of their lines of teeth, and fixed upon one of the axles of the  
30 cradle, and the brake engaging the hubs of the segmental wheels on the axle, substantially as specified.

8. A rolling cradle having its larger wheels on the propelling-axle provided with stops 35 on their rims, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of witnesses.

ANDREW DECKER POST.

Witnesses:

BENJAMIN B. OGDEN,  
GEORGE RUSSELL,  
BENJAMIN DECKER, Jr.