

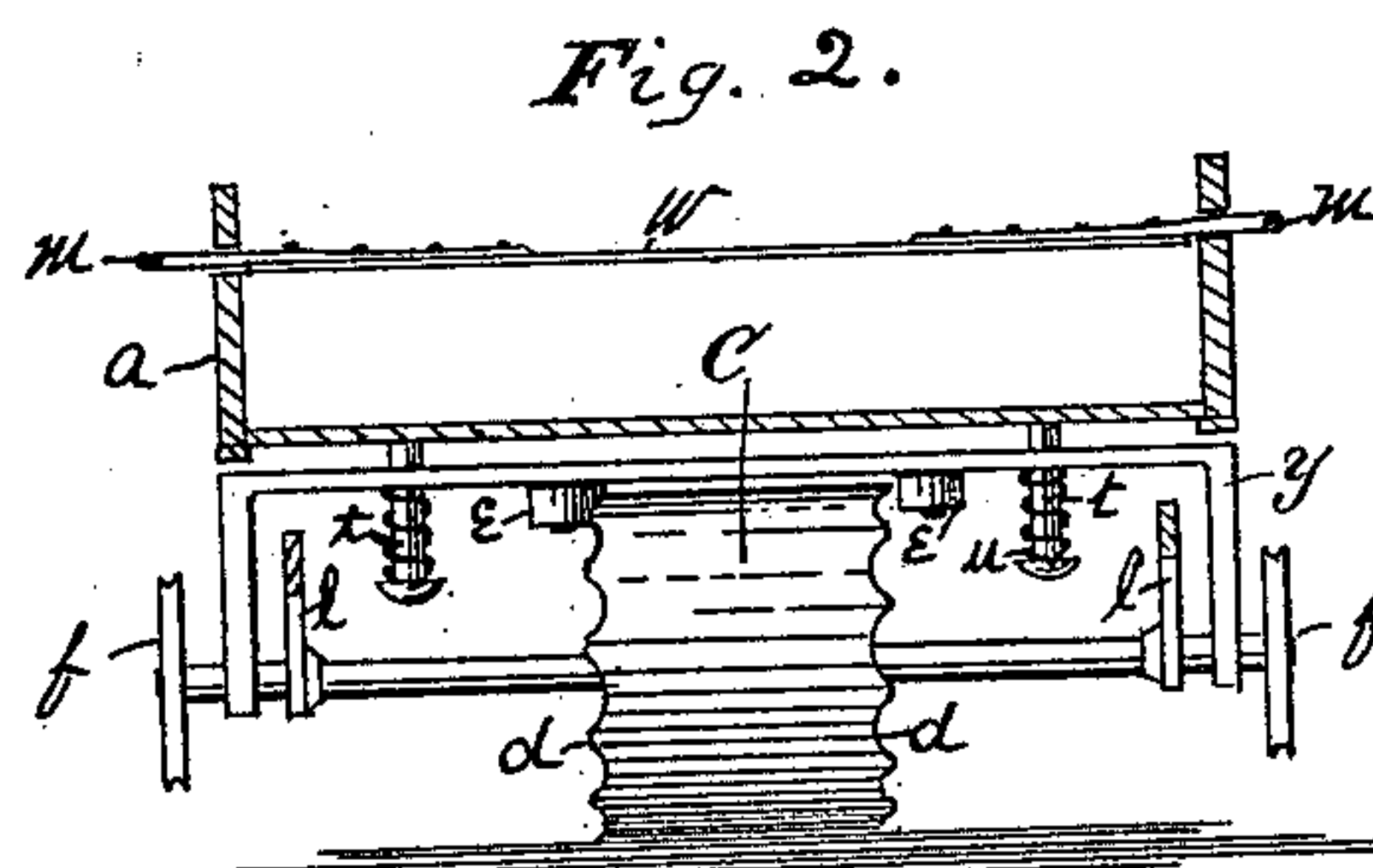
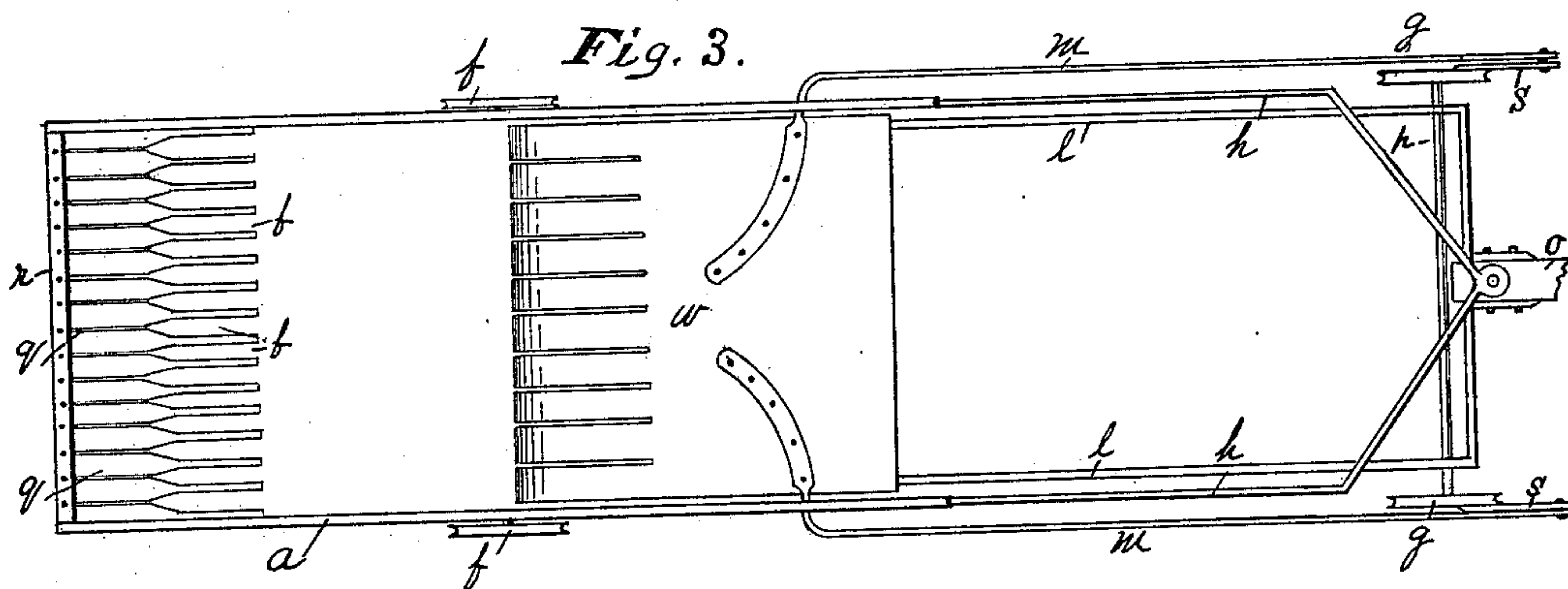
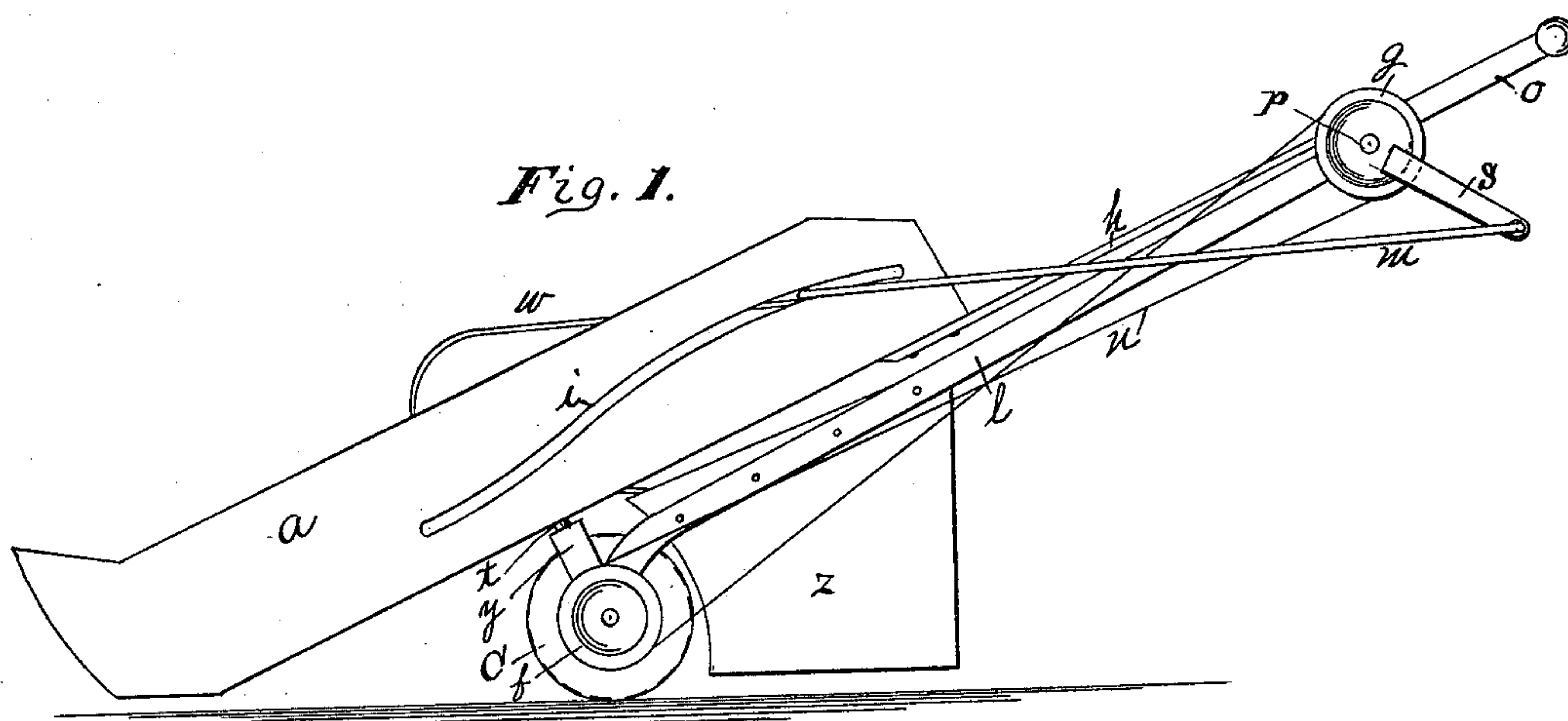
(No Model.)

2 Sheets—Sheet 1.

J. R. JENNEY.
CRANBERRY PICKER.

No. 408,414.

Patented Aug. 6, 1889.



Witness

Fred A. Mason
C. O. Mason

Inventor

Joseph R. Jenney
by J. H. Mason atty.

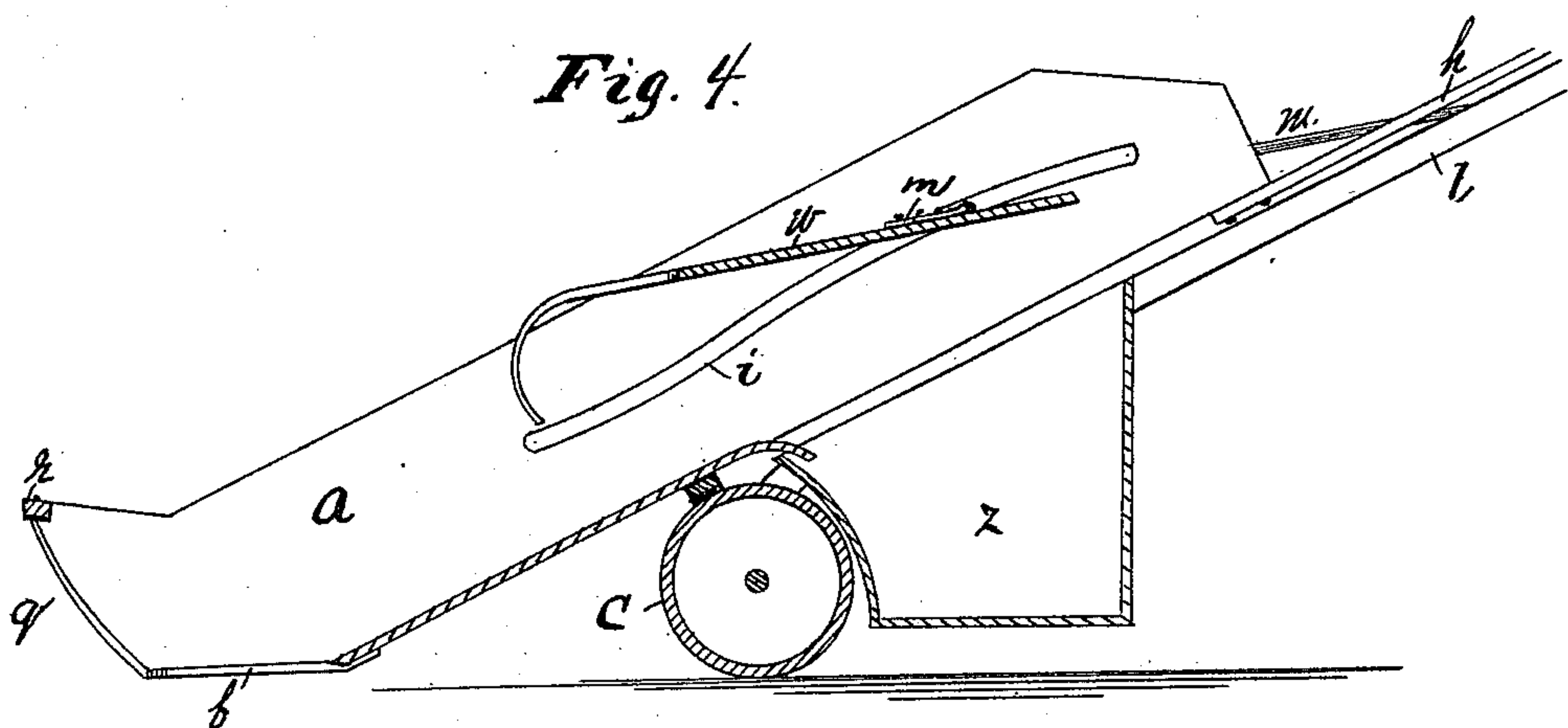
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UNITED STATES PATENT OFFICE.

JOSEPH R. JENNEY, OF MATTAPOISETT, MASSACHUSETTS.

CRANBERRY-PICKER.

SPECIFICATION forming part of Letters Patent No. 408,414, dated August 6, 1889.

Application filed January 18, 1889. Serial No. 296,751. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH R. JENNEY, a citizen of the United States, residing at Mattapoisett, in the county of Plymouth and State of Massachusetts, have invented certain new and useful Improvements in Cranberry-Pickers, of which the following is a specification.

The object of my invention is to provide a device by means of which cranberries can be gathered from the beds where they grow much more rapidly than by hand.

To this end my invention consists in a suitable box, having its front end provided with suitable teeth for stripping the berries from the vines, mounted on the axle of a driving-wheel in such a manner that it shall have a lateral vibratory motion when the device is pushed along the ground, in combination with a rake having a longitudinal motion in said box, and operated by suitable mechanism connected with the driving-wheel for the purpose of drawing the berries from the front of the box into a receptacle in rear of the driving-wheel.

In the accompanying drawings, Figure 1 represents a side view of my improved cranberry-picker. Fig. 2 represents a view in cross-section just behind the driving-wheel. Fig. 3 represents a plan view of the same. Fig. 4 is a view in longitudinal section of the body of the machine.

Similar letters refer to similar parts throughout the several views.

The bottom of the box *a* is provided at its forward end with the slats *b*, having teeth *q* curved upward and secured in the cross-bar *r*.

The bottom of the box *a* extends to a point in rear of the driving-wheel *c*, where it is preferably curved or sloped downward. The front ends of the push-bars *l* inclose the axle of the drive-wheel and extend to the rear and are bolted to the handle *o*. The rods *h h* are secured rigidly to each side of the rear end of the box *a* and extend to and are pivoted on the handle *o*. The box *a* rests on the bearer *y*, which rests on the axle of the drive-wheel. The bottom of the box *a* is provided with the bolts *t t*, which pass loosely through the bearer *y* and are furnished with the spiral springs *u u*, which exert their expan-

sive force to keep the box *a* in contact with the bearer *y*.

To the under side of the bearer *y* are secured the rollers *e e*, between which the periphery of the drive-wheel passes, which periphery is provided with the projections *d d*.

To the outer ends of the drive-wheel axle are secured the grooved pulleys *f f*, which are connected by the bands *n n* with the grooved pulleys *g g*, having arms *s*, and fixed on the shaft *p*, journaled in the push-bars *l l*. To the ends of the arms *s* are pivoted the rear ends of the rods *m m*, which rods extend forward and are bent inwardly through the slots *i* in the sides of the box *a* and are rigidly secured to the rake *w*. To the push-bars *l l* and just in rear of the drive-wheel is secured the receptacle *z*, into which the berries are drawn by the action of the rake *w*.

In operation the device is pushed along the cranberry-bed, with the forward end of the box *a* near the ground. The vines enter between the teeth *q* and then between the slats *b*, which are close enough together to prevent the berries from passing between them, and as the vines draw through the berries are stripped from them and are carried into the receptacle *z* by the rake *w*. The forward end of the box *a* accommodates itself to any unevenness of the ground by means of the bolts *t* and springs *u*.

As the device is pushed along the ground, the projections *d*, which alternate on each side of the periphery of the drive-wheel, in passing between the rollers *e* cause the box *a* to have a lateral vibratory motion, which is of advantage in stripping the berries from the vines.

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

1. A cranberry-picker consisting of a box provided with suitable teeth at its forward end for stripping the berries from the plants, mounted on a driving-wheel and having a lateral vibratory motion when propelled along the ground, in combination with a rake working longitudinally in said box, and mechanism connected with said driving-wheel for operating said rake, and a suitable receptacle for holding the fruit after it is drawn backward

by said rake, substantially as shown and described.

2. A cranberry-picker consisting of the box *a*, having its front end provided with the slats *b* and teeth *q*, and having slots *i* in its sides, mounted on the bearer *y* by means of the bolts *t*, provided with springs *u*, the bearer *y*, provided with the fixed rollers *e* and resting on the axle of the driving-wheel *c*, the drive-wheel *c* having its periphery provided with projections *d*, the grooved pulleys *f*, fixed on the outer ends of the drive-wheel axle, the push-bars *l*, with their front ends inclosing said axle and extending to the rear and secured to the handle *o* and carrying the box *z*, and

shaft *p*, the shaft *p* having the grooved pulleys *g*, provided with arms *s* fixed to its ends, the rods *m*, pivoted to the arms *s* and extending forward and through the slots *i* in the sides of the box *a* and rigidly secured to the rake *w*, the rake *w*, the rods *h*, rigidly secured to the rear end of the box *a* and extending to and pivoted on the handle *o*, and the bands *n*, connecting the pulleys *f* and *g*, all as shown, and for the purpose described.

JOSEPH R. JENNEY.

Witnesses:

HENRY W. MASON,
THOS. M. JAMES.