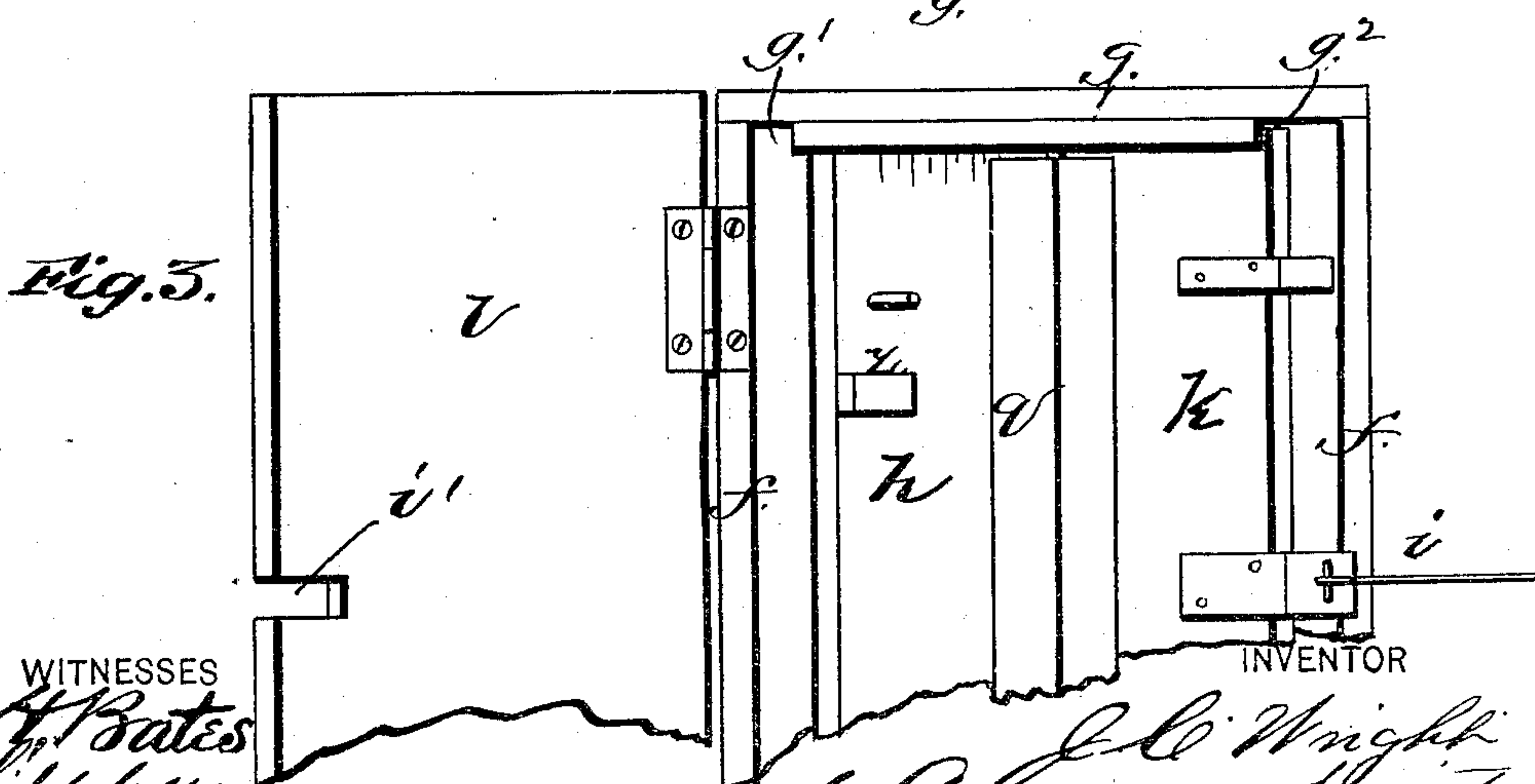
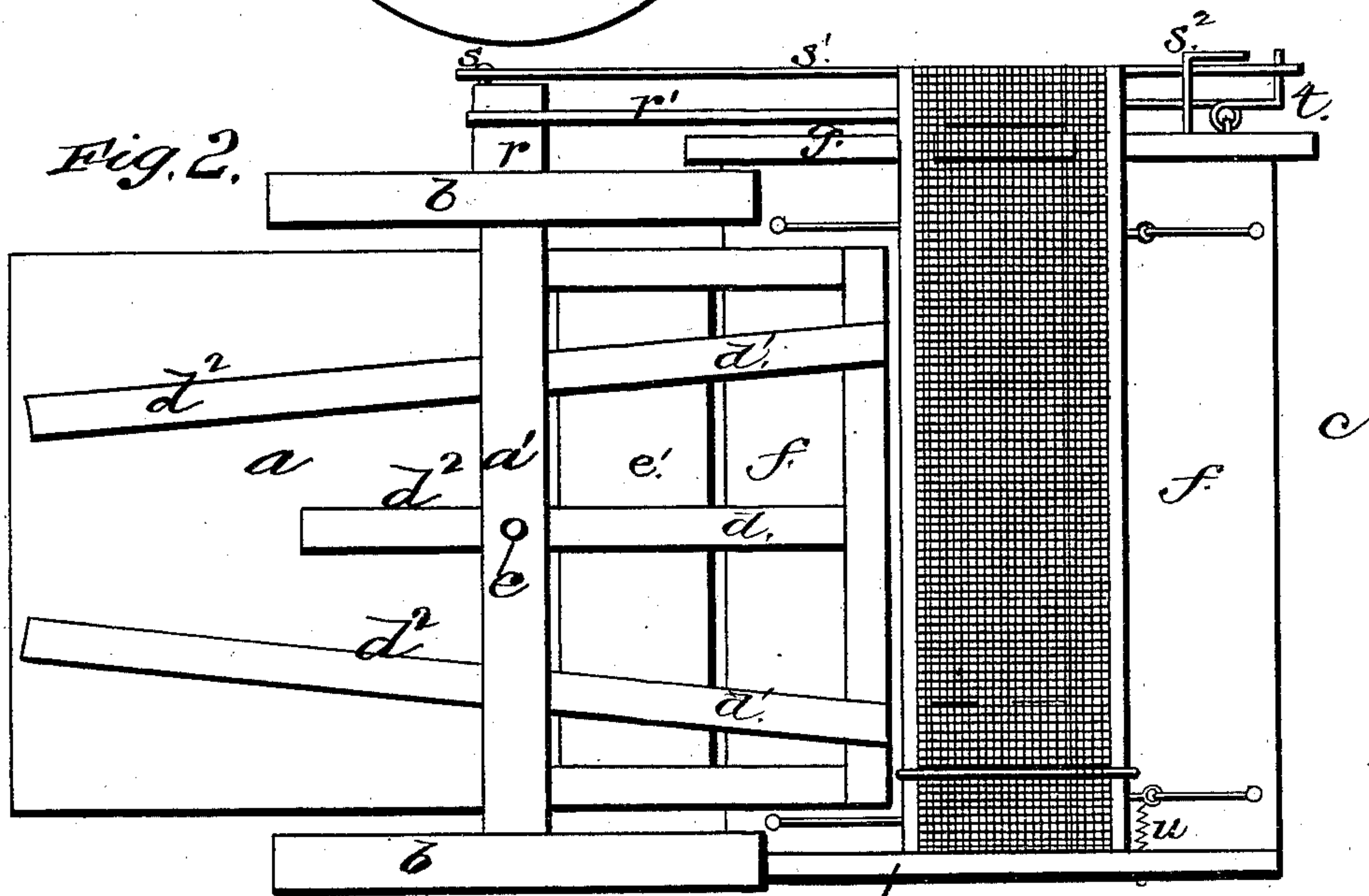
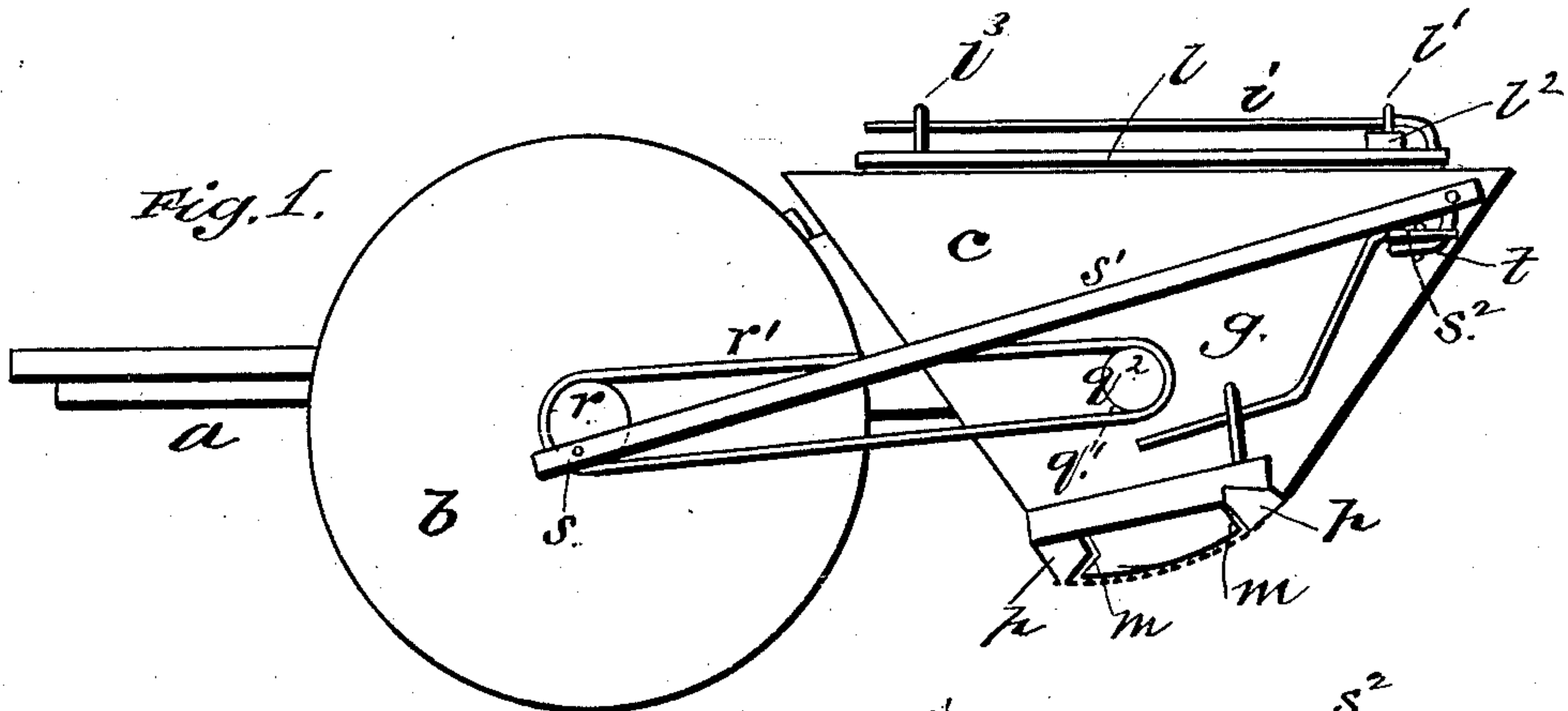


J. C. WRIGHT.

SEED SOWER.

No. 256,788.

Patented Apr. 18, 1882.



WITNESSES  
*E. H. Bates*  
*Philip M. M.*

INVENTOR  
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by *Anderson & Smith*  
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(No Model.)

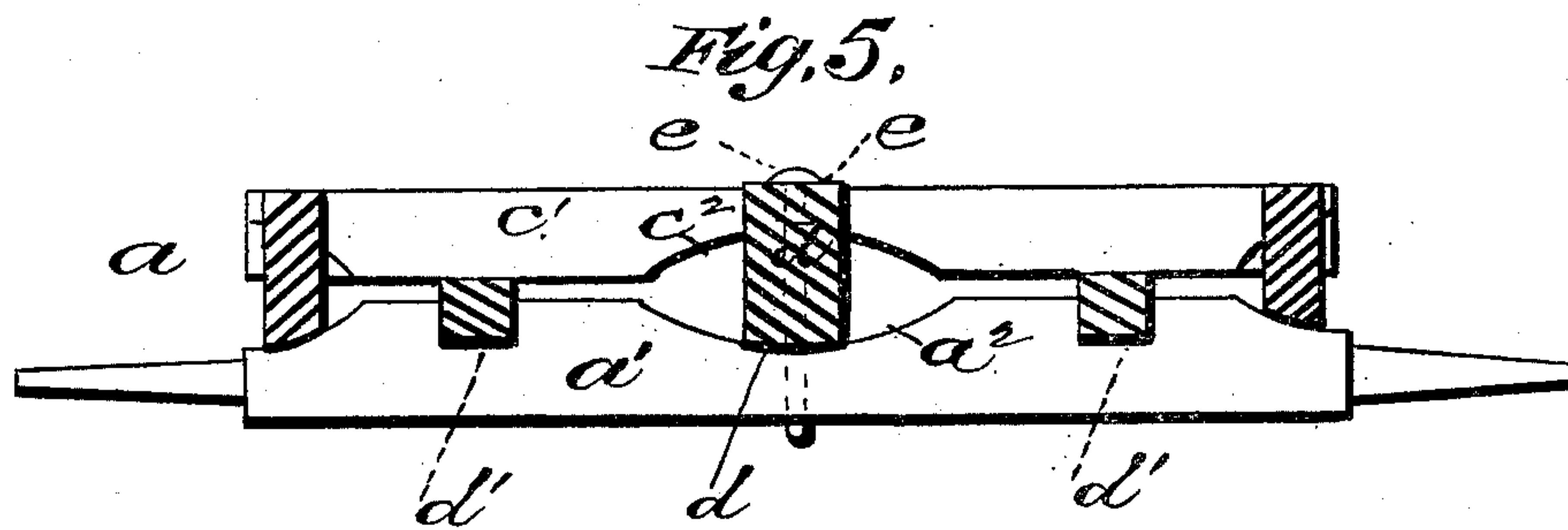
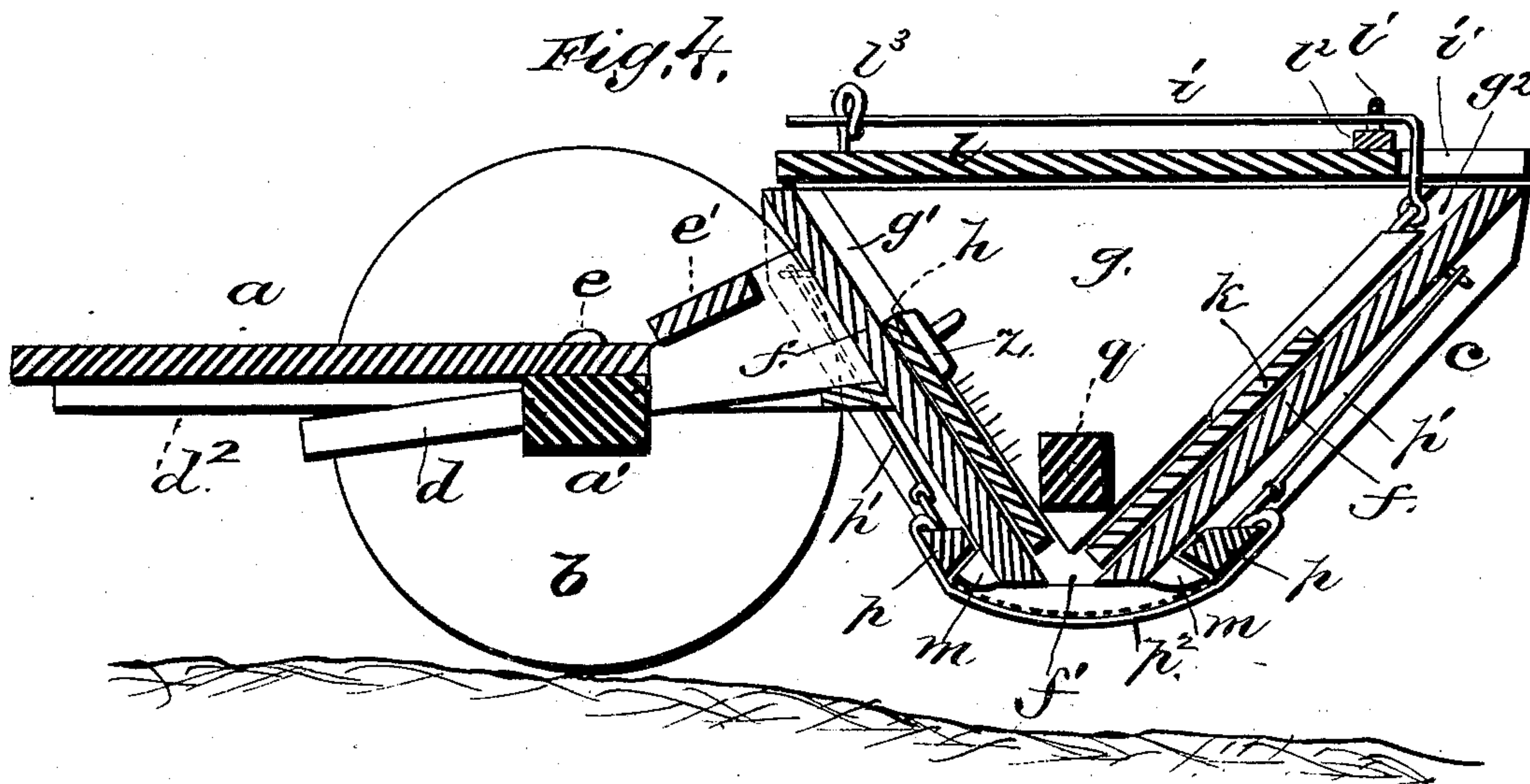
2 Sheets—Sheet 2.

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# UNITED STATES PATENT OFFICE.

JOSHUA C. WRIGHT, OF KAHOKA, MISSOURI.

## SEED-SOWER.

SPECIFICATION forming part of Letters Patent No. 256,788, dated April 18, 1882.

Application filed August 27, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, JOSHUA C. WRIGHT, a citizen of the United States, resident of Kahoka, in the county of Clarke and State of Missouri, have invented a new and valuable Improvement in Seed-Sowers; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side elevation of my invention. Fig. 2 is a bottom view. Fig. 3 is a detail top view of the seed-box; Fig. 4, longitudinal section; and Fig. 5 is a detail cross-section.

This invention has relation to seed-sowers; and it consists in the novel construction and arrangement of parts, as will be hereinafter fully described, and particularly pointed out in the claims.

In the annexed drawings, the letter *a* represents a part of an ordinary cart or other vehicle, supported on axle *a'* and wheels *b*. Attached to this is the seed-box *c*. The latter may be secured to the rear of a cart-frame, or, in the case of a four-wheeled vehicle, may be attached to the rear or to the front axle, the remainder of the structure being removed, the last arrangement being perhaps the best. The axle *a'* and the bolster *c'* are recessed at the points *a<sup>2</sup>* and *c<sup>2</sup>*, and firmly secured to the front of the seed-box *c* are three tongues, *d* *d'* *d'*, the reduced ends *d<sup>2</sup>* of which pass between the axle and bolster at the recessed portions. A bolt, *e*, passing through the king-bolt hole and a perforation in the tongue *d*, secures the parts together. These tongues are braced across the top by a board, *e'*, and rest upon the sway-bar at their outer ends.

The box *c* is formed V shape in cross-section, its side boards, *f* *f'*, converging, but leaving a space, *f'*, along the bottom, between their lower edges.

Formed on the inside of the ends *g* *g* are the guide-grooves *g'* *g<sup>2</sup>*. Arranged in the guide-grooves *g'* is the slide-board *h*, having at its ends a suitable gage, and is held adjustably by any suitable means. In the guide-grooves *g<sup>2</sup>* is placed a cut-off board, *k*, which closes the opening in the bottom when desired. At-

tached to the upper edge of this board is a spring-rod, *i*, which projects up through a notch, *i'*, in the cover *l*, and runs through an eye, *l'*, on a bearing-block, *l<sup>2</sup>*.

At the front of the cover is secured an open loop, *l<sup>3</sup>*, into which the end of the rod *i* can be sprung and whereby it is held. This rod is operated as a lever or handle to slide the cut-off board *k* up or down.

Formed at the ends of the box *c*, underneath, are guides *m* *m*, in which are placed the side bars, *p* *p*, of a sieve, the web of which comes under the opening *f'*. This sieve is held under the box by pivotal rods *p'*, and transverse rigidity is preserved by the braces *p<sup>2</sup>*.

Journaled in the ends of the box *c* is a shaft, *q*, having angular edges, which is located immediately above the opening *f'* and serves as a stirrer. One end, *q'*, of this shaft projects out of the box, and upon this end is keyed a pulley, *q<sup>2</sup>*.

Secured in any proper manner to the hub of the wheel which is in front of this pulley is another pulley, *r*, from which there runs to pulley *q<sup>2</sup>* an endless belt, *r'*. Held to the outer face of pulley *r* by a crank-pin, *s*, is a connecting-rod, *s'*, which extends to the rear, and resting on a guide-pin, *s<sup>2</sup>*, is connected to a bent lever, *t*. This lever *t* is swiveled in the end of rod *s'*, pivoted to the end of box *c*, and passing down over the pin *s<sup>2</sup>* projects through an eye on the end of the sieve. By this construction as the wheels revolve the shaft *q* is turned by the belt, and the action of the connecting-rod *s'* causes the sieve to reciprocate, the lever *t* converting the motion.

To better insure the return of the sieve a spring, *u*, is placed at the end of said sieve farthest from the lever *t*. Said spring is extended by the pull on the sieve, and operates to draw the latter back to its original position.

Instead of a belt for turning the stirrer-shaft, a shaft may be used geared properly to the hub and the shaft *q*.

Usually strips *z* are placed vertically across the boards *h* and *k*, and are designed to prevent seed from accumulating at one point in excess. Riddles of various sizes to suit different grains may be used.

I claim—

1. In a seed-sower, the combination, with the cut-off board *k*, provided with the rod *i*, of the

cover *l*, having notch *v'*, eye *l'*, and open loop *l'*, substantially as specified.

2. In a seed-sower, the combination, with the seed-box *c*, having the guides *m m*, of the sieve  
5 provided with the side bars, *p p*, the pivotal rods *p' p'*, the bent lever *t*, pin *s<sup>2</sup>*, shaft *s'*, and pulley *r* on the wheel of the vehicle, substantially as specified.

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

JOSHUA C. WRIGHT.

Witnesses:

GEORGE RAUSCHER,  
JAMES R. HUME.