

No. 814,577.

PATENTED MAR. 6, 1906.

J. S. URBAN.
VEGETABLE CUTTER.
APPLICATION FILED MAY 20, 1905.

2 SHEETS—SHEET 1.

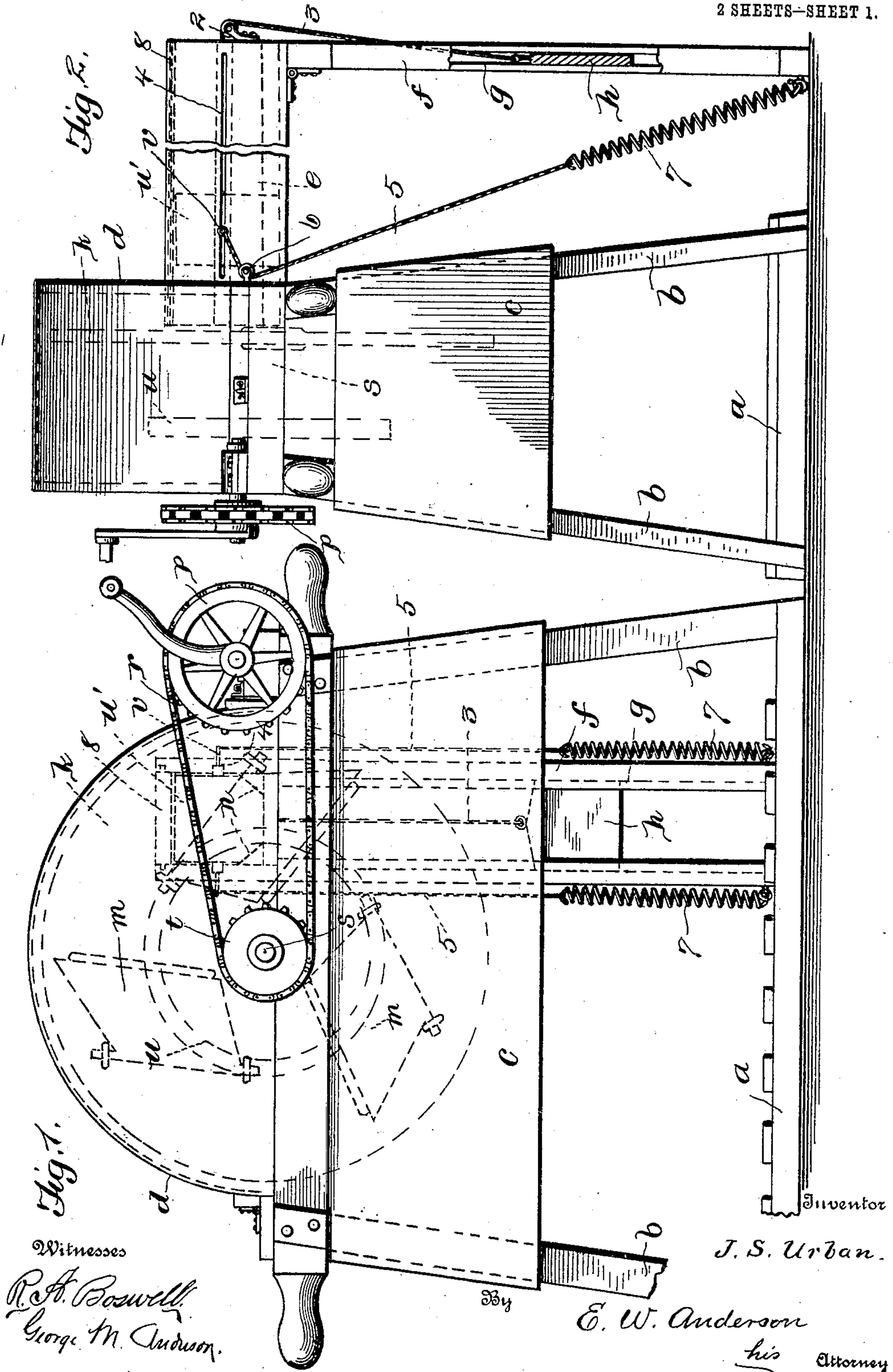


Fig. 2.

Fig. 1.

Witnesses

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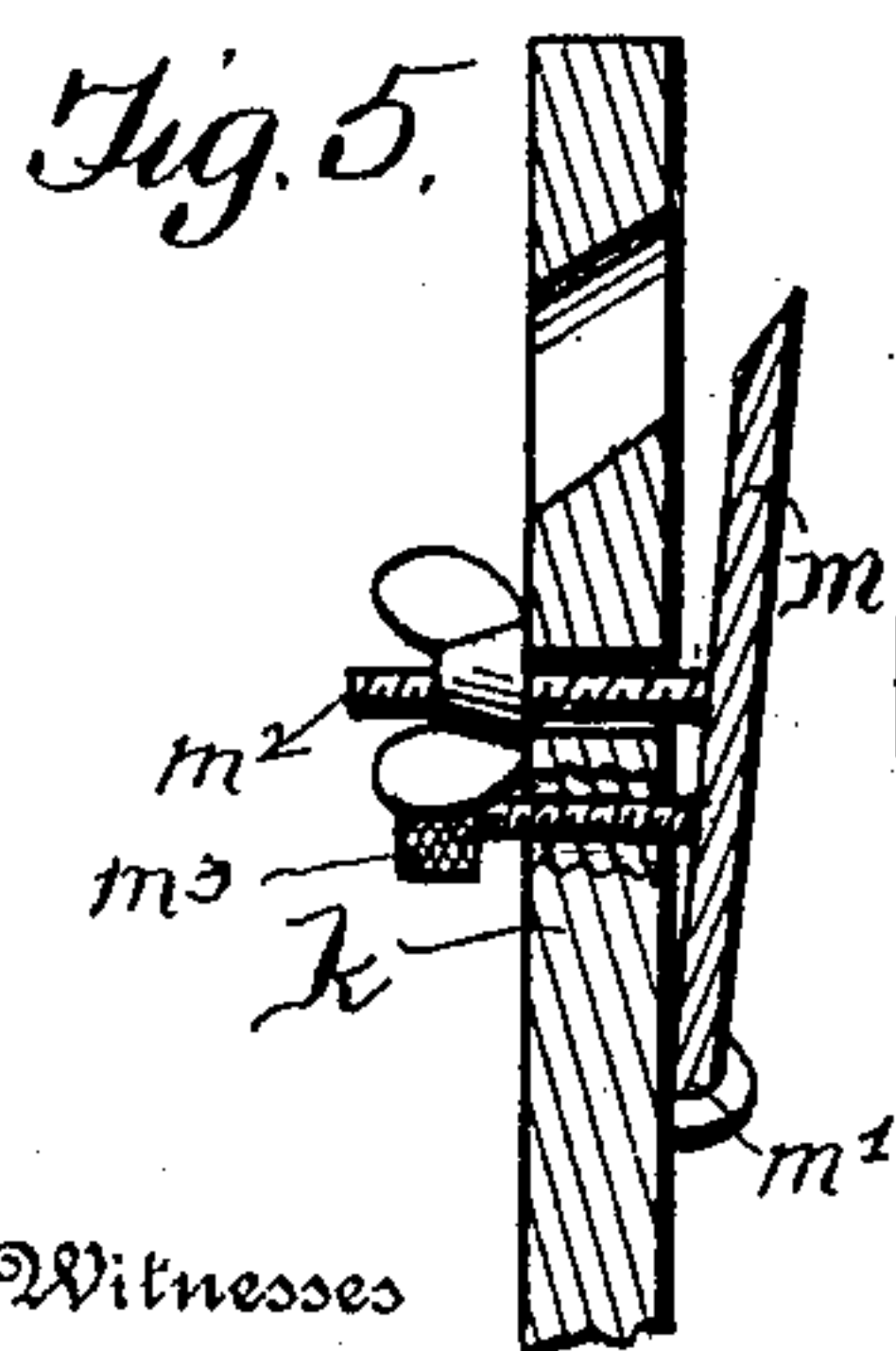
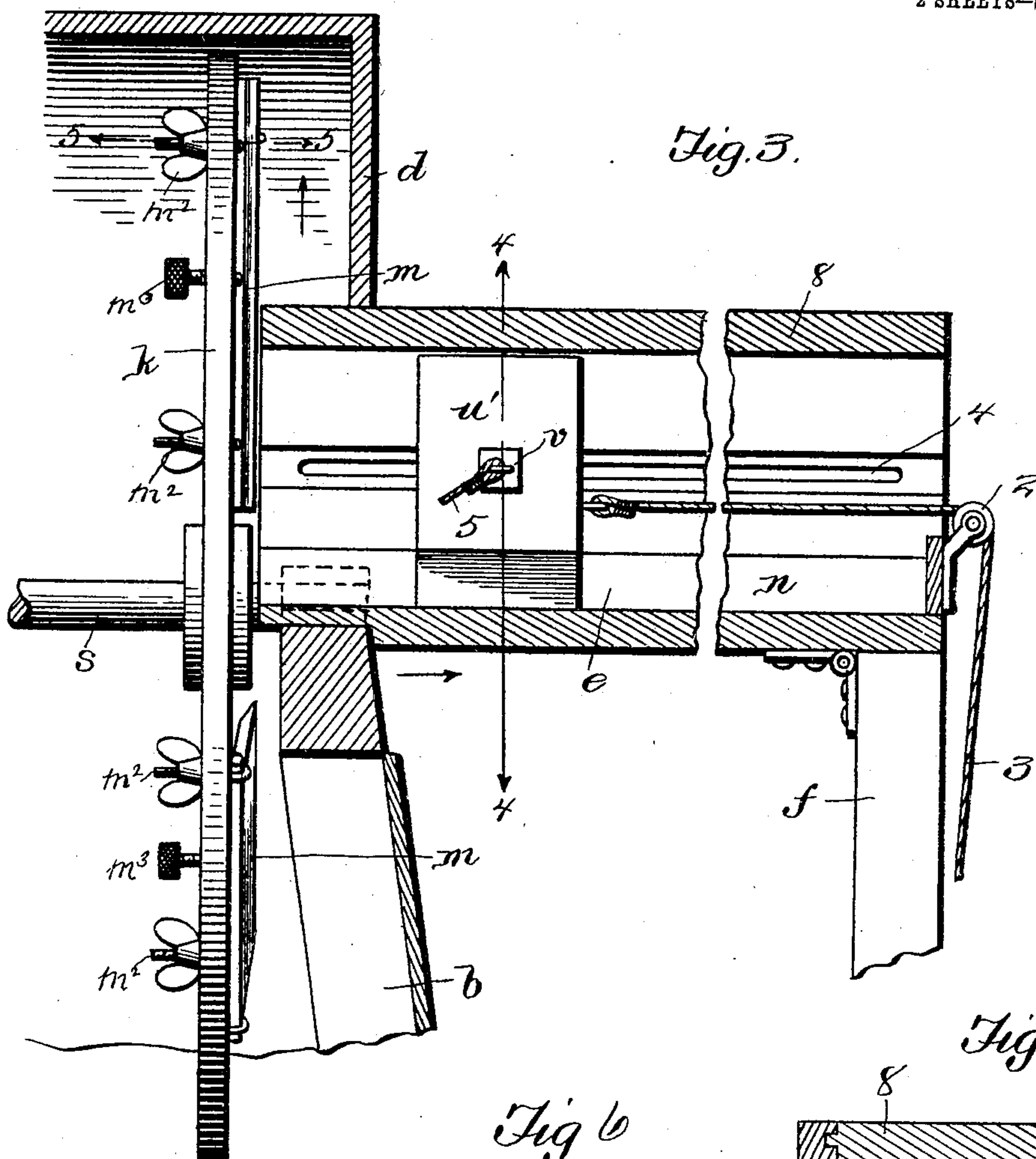
E. W. Anderson
his Attorney

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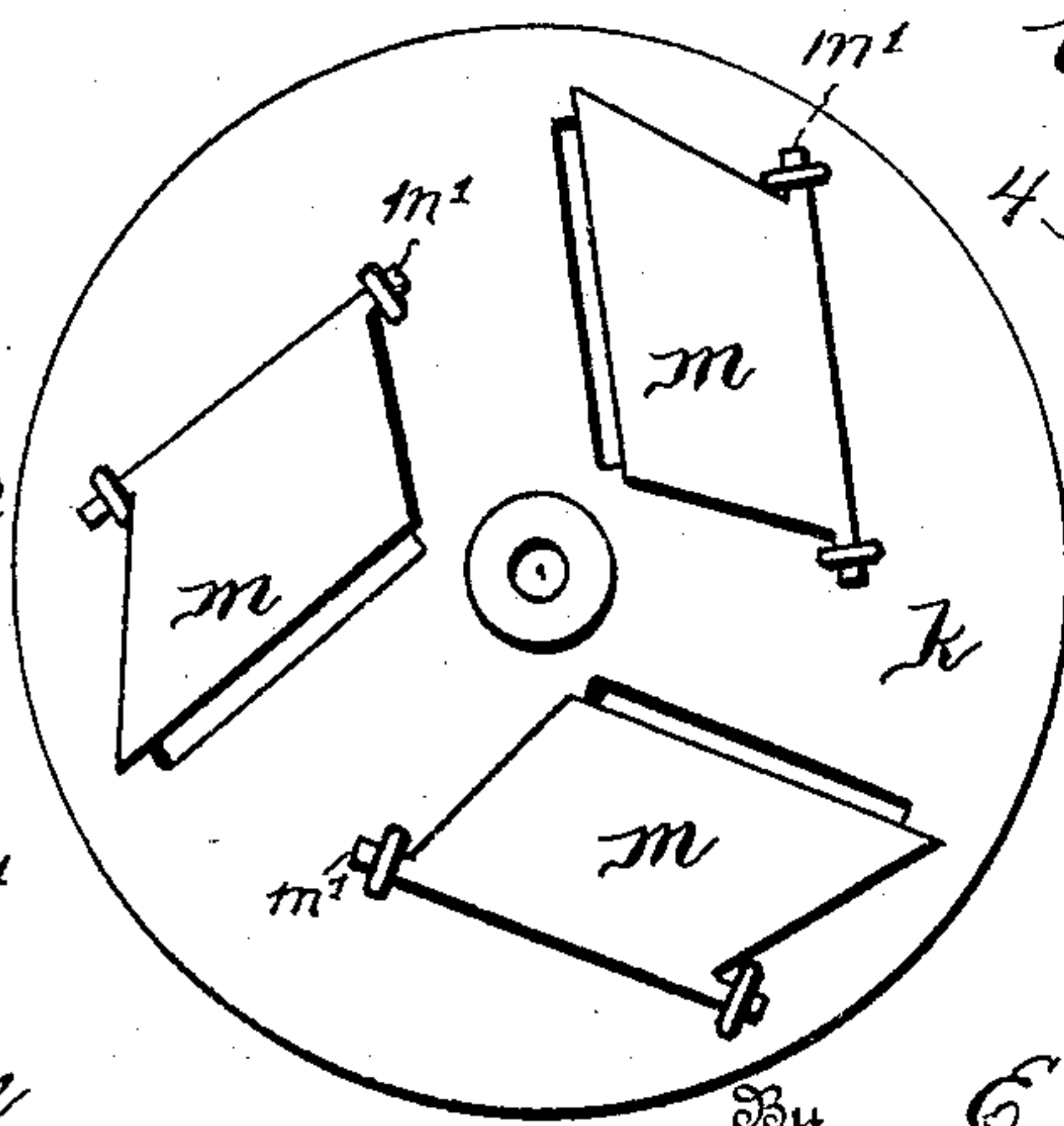
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Witnesses

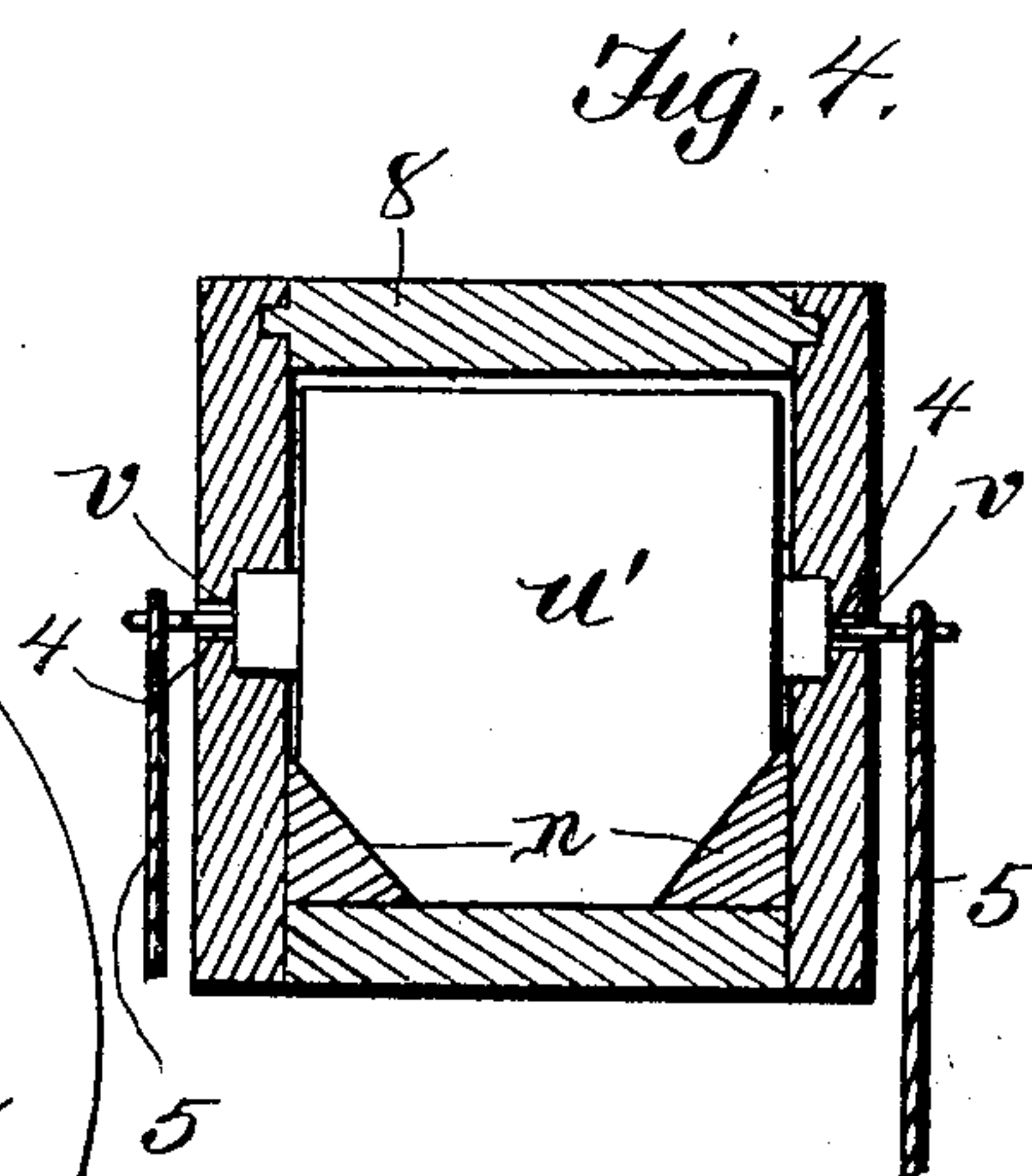
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By

E. W. Anderson

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Inventor

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UNITED STATES PATENT OFFICE.

JOSEPH SYLVESTER URBAN, OF INDIANAPOLIS, INDIANA, ASSIGNOR OF
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VEGETABLE-CUTTER.

No. 814,577.

Specification of Letters Patent.

Patented March 6, 1906.

Application filed May 20, 1905. Serial No. 261,475.

To all whom it may concern:

Be it known that I, JOSEPH SYLVESTER URBAN, a citizen of the United States, and a resident of Indianapolis, in the county of Marion and State of Indiana, have made a certain new and useful Invention in Vegetable-Cutters; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the invention, reference being had to the accompanying drawings, and to letters and figures of reference marked thereon, which form a part of this specification.

Figure 1 is a side elevation of my invention. Fig. 2 is an end elevation of the same. Fig. 3 is a fragmentary sectional view through the feed-casing and showing the rotary knife-wheel. Fig. 4 is a section on the line 4-4, Fig. 3. Figs. 5 and 6 are detail views of the knife-wheel.

The invention has relation to vegetable-cutters; and it consists in the novel construction and combinations of parts, as herein after set forth.

In the accompanying drawings, illustrating the invention, the letter *a* designates the horizontal base of the frame having standards *b*, to which are attached skirting guard-boards *c*. To the upper portion of the frame is attached a knife-guard *d*. The rear of the frame is provided with a detachable feedway *e*, extending horizontally and having a hinged standard *f*, which is provided with guide-ways *g* for a slide-weight *h*.

The knife *k* is wheel form and rotary, being provided with oblique cutting-blades *m* tangent to the hub portion. The knife is keyed to a shaft *s*, which is operated by means of a belt or chain *r* from a power-wheel *p*, or the wheel *p* may be provided with a crank for turning by hand. The belt *r* engages a pulley *t* on the shaft *f*, said pulley being smaller than the power-wheel in order that the knife shall have a rapid movement. The fly-wheel *u* is also keyed on the shaft *f*.

The feedway *e* is located in rear of the knife and laterally with respect to the frame in order that its mouth shall be immediately adjacent to the path of the cutting-blades

m. The bottom of the feedway is provided with beveled or sloping sides *n*, which are designed to gather the work under the cutting action of the knife. The feedway is provided with a follower-block *u*, having beveled lower corners to fit the bevel or slope *n* of the feedway.

Between the guideways *g* is the slide-block *h*, having a suspending-cord 3, which extends over a pulley 2 at the rear end of the feedway and forward for attachment to the back of the follower-block *u*. This follower-block is provided also with laterally-extending arms *v*, which project through horizontal slots 4 in the sides of the feedway. To these arms are attached cords 5, which pass over pulleys 6 at the front of the feedway and from said pulleys extend downward for attachment to retracting-springs 7, connected to the frame. The top of the feedway is provided with a sliding cover 8.

A cabbage or other vegetable being placed in the feedway is fed toward the knife by the follower *u*, operated by the retracting-springs through the cords 5. The knife being at the same time rotated, the vegetable is cut by the blades, the slice or slices being discharged through the openings in the knife and falling into a receiver. The feed stops automatically when the arms of the follower-block have moved forward to the position of the lateral pulleys 6. The slide-block *h* serves as a rest for the foot in moving the follower-block back to starting position.

The cutting-blades *m* of the wheel-knife are shown as pivoted or hinged at *m'*, each knife having adjusting-screws *m² m³*.

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

A vegetable-cutter having a rotary knife, and a guard-casing provided with a lateral opening, a detachable lateral feed-casing fitting in said opening, and having a hinged support provided with grooves, said feed-casing having horizontal guide-slots, front and rear pulleys, a follower-block in said feed-casing having lateral arms engaging said guide-slots, retracting-springs having connections to said lateral arms passing over the

front pulleys and connected at each side to
the bottom of said hinged support, and a
foot-pressure device working in the grooves
of said hinged support and having a suspen-
5 sion-cord, passing over the rear pulley and
connected to the follower-block, substan-
tially as specified.

In testimony whereof I affix my signature
in presence of two witnesses.

JOSEPH SYLVESTER URBAN.

Witnesses:

MART HEITKAM,
WM C. SMOCK.