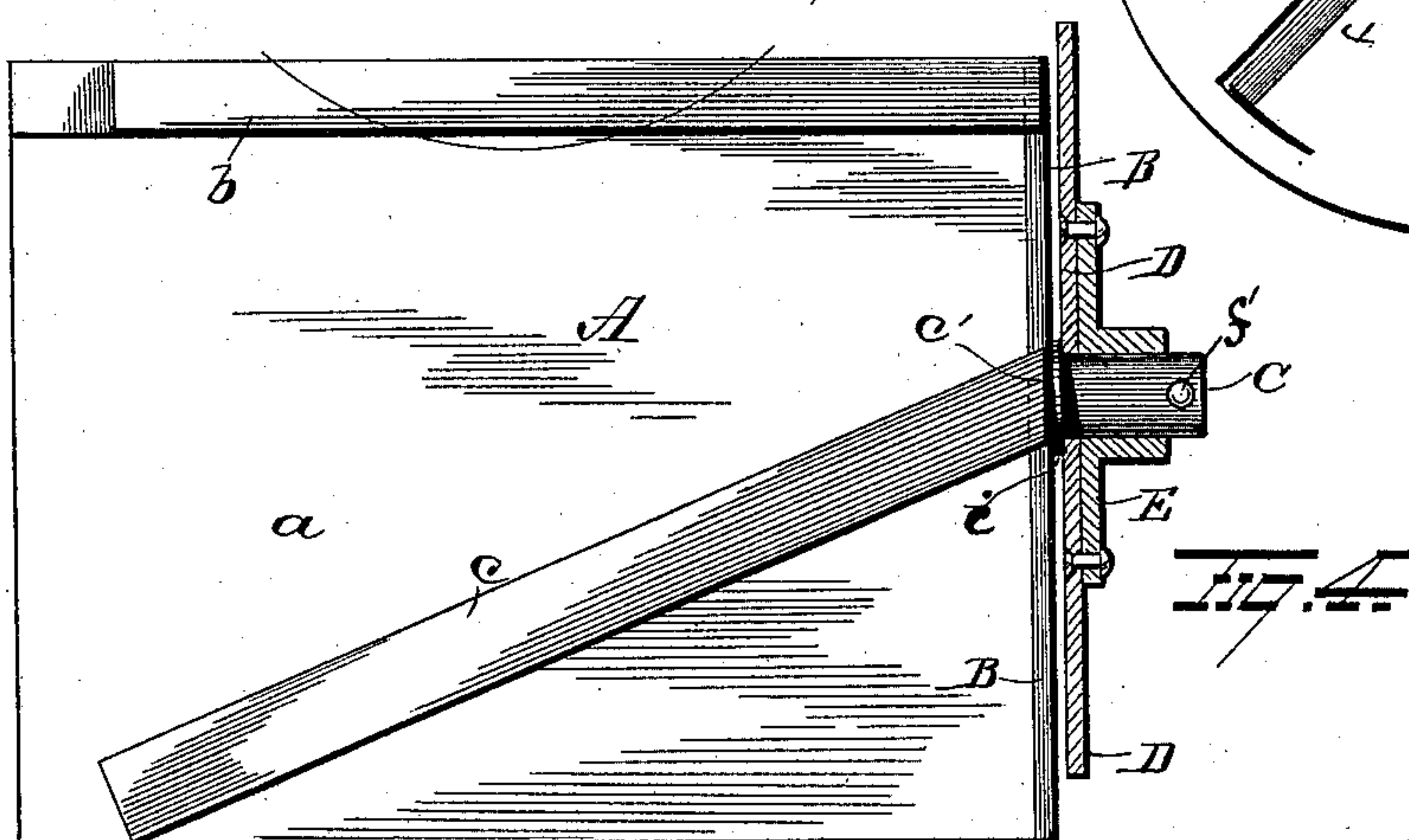
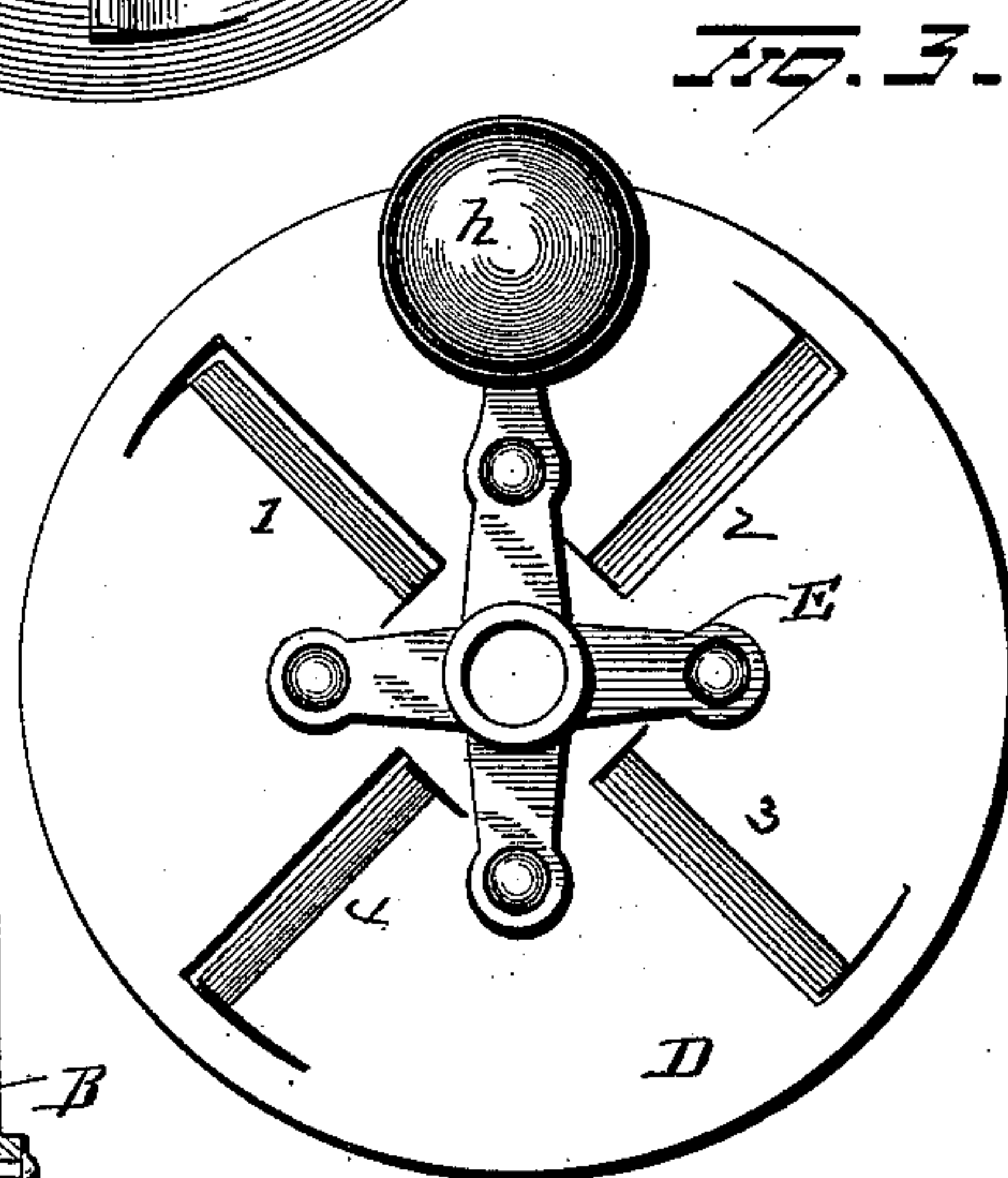
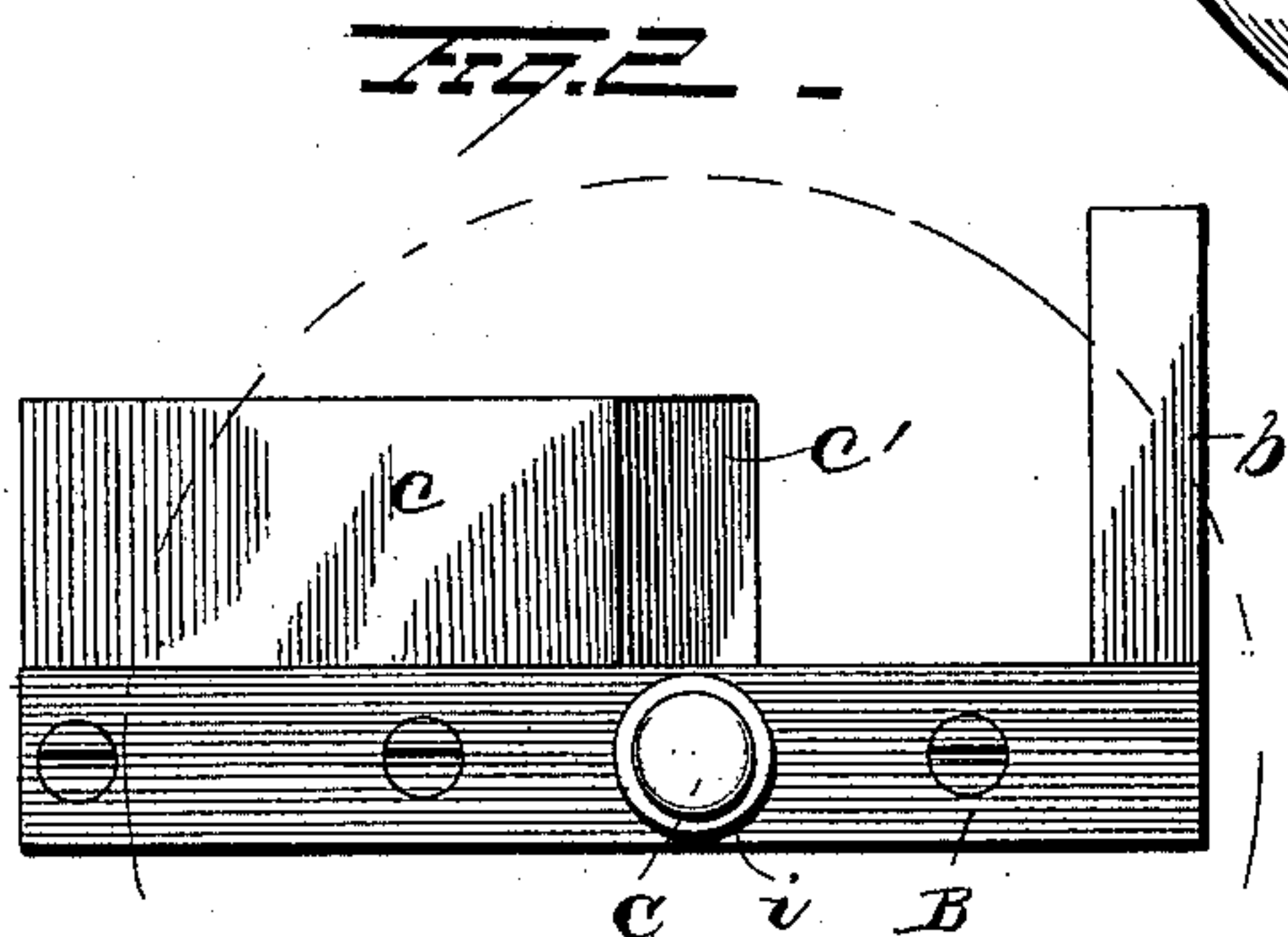
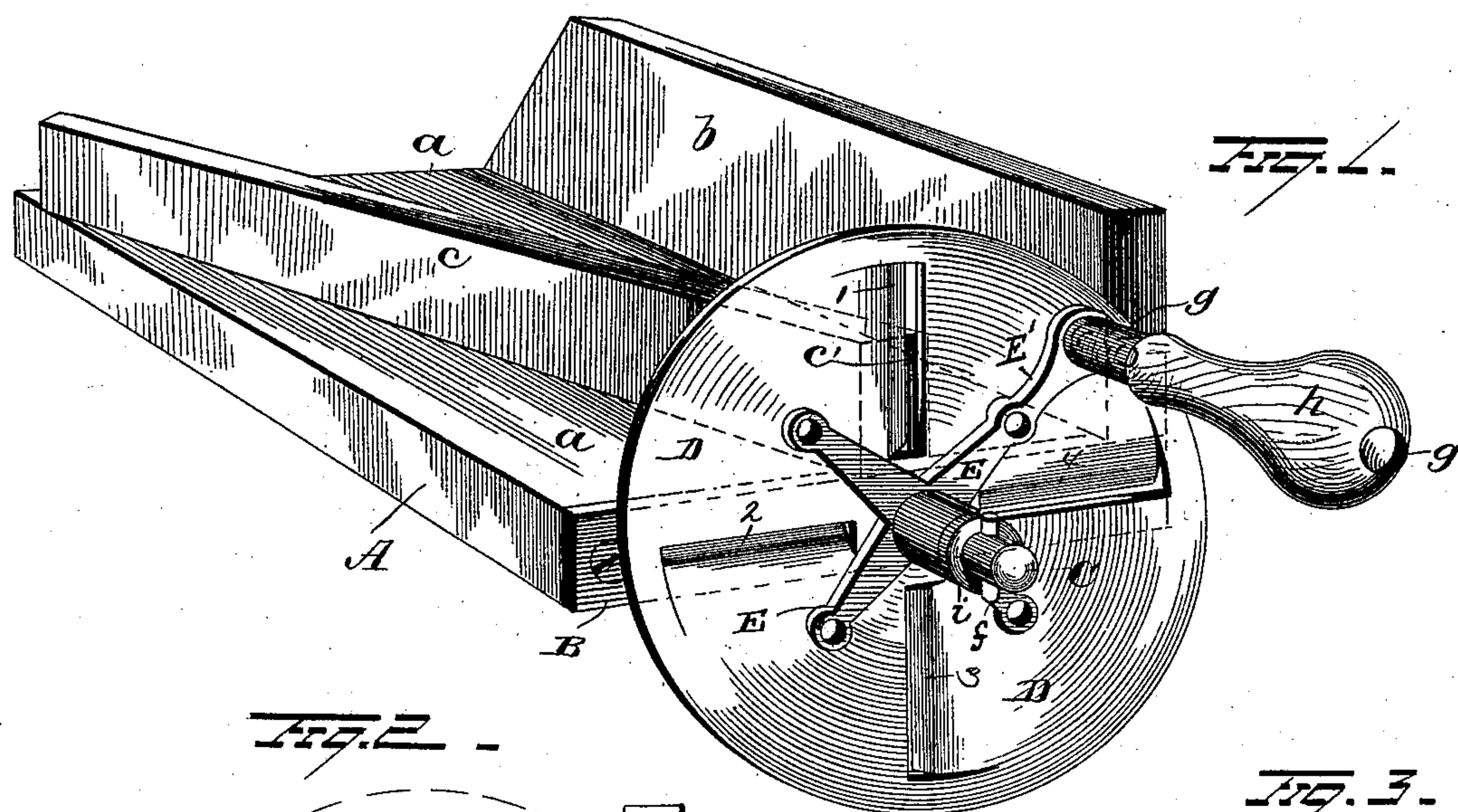


(No Model.)

R. W. CASH.
VEGETABLE CUTTER.

No. 362,570.

Patented May 10, 1887.



WITNESSES
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UNITED STATES PATENT OFFICE.

ROBERT W. CASH, OF HANNIBAL, MISSOURI.

VEGETABLE-CUTTER.

SPECIFICATION forming part of Letters Patent No. 362,570, dated May 10, 1887.

Application filed January 5, 1887. Serial No. 223,464. (No model.)

To all whom it may concern:

Be it known that I, ROBERT W. CASH, of Hannibal, in the county of Marion and State of Missouri, have invented certain new and useful

5 Improvements in Vegetable-Cutters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

10 My invention relates to an improvement in slicing-machines, and more particularly to potato-slicing machines.

The object is to provide a compact, simple, and durably-constructed potato-slicing machine that will do the required work in a rapid and uniformly excellent manner, the device being substantial, easy to keep in repairs, and from its simplicity and few working parts can be produced at a low initial cost.

20 With this object in view my invention consists in certain features of construction and combinations of parts, that will be hereinafter described, and pointed out in the claims.

Referring to the drawings making a part of this specification, Figure 1 is a perspective view of the device, showing the face of the cutter-wheel with a slicing-blade in contact with the cutter-bar. Fig. 2 is a view of the feed-box and its attached cutter-bar with the cutter-wheel removed. Fig. 3 is a front view of the cutter-wheel and its attached re-enforcing arms, and Fig. 4 is a plan view of the feed-box with the cutter-wheel in section.

35 A is the feed-box, in which the articles to be sliced are placed. It consists of a base-board, *a*, having proper dimensions and preferably of rectangular shape. Upon its rear edge a vertical strip, *b*, is secured, and at an angle to this strip *b* a guide-strip, *c*, is also attached to the base-board *a*. The guide-strip *c* is secured in angular position in relation to the rear strip, *b*, to cause its front end, *c'*, to approach this strip *b*, and thus form a converging feed-throat that is of proper width to conduct the article to be sliced to a proper position to be operated upon by the slicing-blades that will be described.

45 A cutter-bar, B, is secured to the edge of the base-board *a* of the feed-box A, and has its upper edge in line with the top surface of this board *a*.

At a proper point to permit effective action

of the slicing-knives upon the article to be cut a stud or short journal-shaft, C, is integrally formed or rigidly attached to the cutter-bar B, 55 and is made to project therefrom at a right angle to the outer face of this bar.

D is a steel disk or cutter-wheel, having the slicing-blades 1 2 3 4 cut or stamped to project a proper distance from the face thereof. I prefer to use four slicing-blades, but do not desire to restrict the construction to this exact number, it being evident that a greater or less number may be employed, if desired. The slicing-blades 1 2 3 4 are cut loose from the disk in a 65 manner to permit the blades to be bent at their point of connection with the disk D, and thus project with their cutting-edges from the face of the cutter-wheel at a proper angle to have a shearing action on the vegetable or fruit that 70 is brought into contact therewith.

The disk D is rigidly attached to the four-armed spider E. This spider is preferably made of malleable metal, having a central hub, *e*, which is perforated with a proper orifice to fit on the stud or journal C, in which position it is held by a pin, *f*, passing through the perforation *f'* in said stud. The arms of the spider E are made of sufficient length to properly support and stiffen or re-enforce the cutting-disk, 80 and they are riveted to this plate at points intervening between the slots produced by the formation of the slicing-blades that are integral with the body of the disk D. One of the arms E' is extended to the edge of the disk, and 85 is furnished with a boss, *g*, which is provided with an orifice to receive a projecting stud or pintle, *g'*, on which the handle *h* revolves.

The position given the slicing-blades 1 2 3 4 is such in relation to the cutter-bar B that they 90 will have a shearing contact with this bar. Several thin washers, *i*, may be placed on the stud or journal C, to permit an easy adjustment of the slicing-blades with the cutter-bar by the insertion or removal of a washer to secure 95 proper shear action. The throats or slots that are the result of the formation of the slicing-blades, as previously described, will permit the sliced vegetables to pass through them and fall into any convenient receptacle, the device being preferably operated on a table near its edge, 100 where it may be held or secured by any proper means.

The operation of this slicer is obvious. As

potatoes properly prepared are placed in the feed-box and forced to bear upon the face of the cutter-wheel D they are rapidly reduced to thin slices by the shearing contact of the blades 1, 2, 3, and 4 against the cutter-bar B as the disk or cutter-wheel D rotates.

The device is particularly available in the preparation of potatoes for cooking in the style known as "Saratoga chips."

10 The implement is also useful to slice cucumbers or apples, and can be applied to slice a variety of vegetables for culinary purposes.

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

1. The combination, with a feed-box having a converging throat formed by two strips secured at an angle upon a base-board, of a cut-

ter-bar secured to the edge of the base-board, a projecting journal formed on the cutter-bar, 20 a cutter-wheel having integrally-formed slicing-blades, and a handle to revolve this cutter-wheel, substantially as set forth.

2. The combination, with a base-board, cutter-bar carrying a journal, and a cutter-disk, 25 of a spider forming a rotative support for the cutter-disk and an operating-handle secured to one arm of this spider, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing 30 witnesses.

ROBERT W. CASH.

Witnesses:

WALTER D. ANDERSON,
THOS. H. BRANHAM.