

G. W. JACOBS.
Vegetable Cutter.

No. 78,290.

Patented May 26, 1868.

Fig. 3,

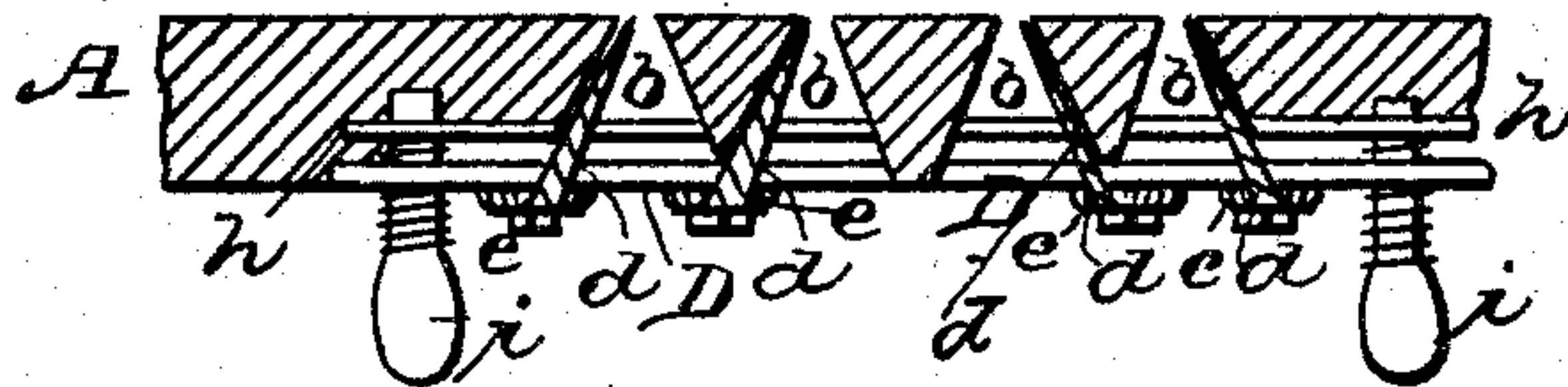


Fig. 2.

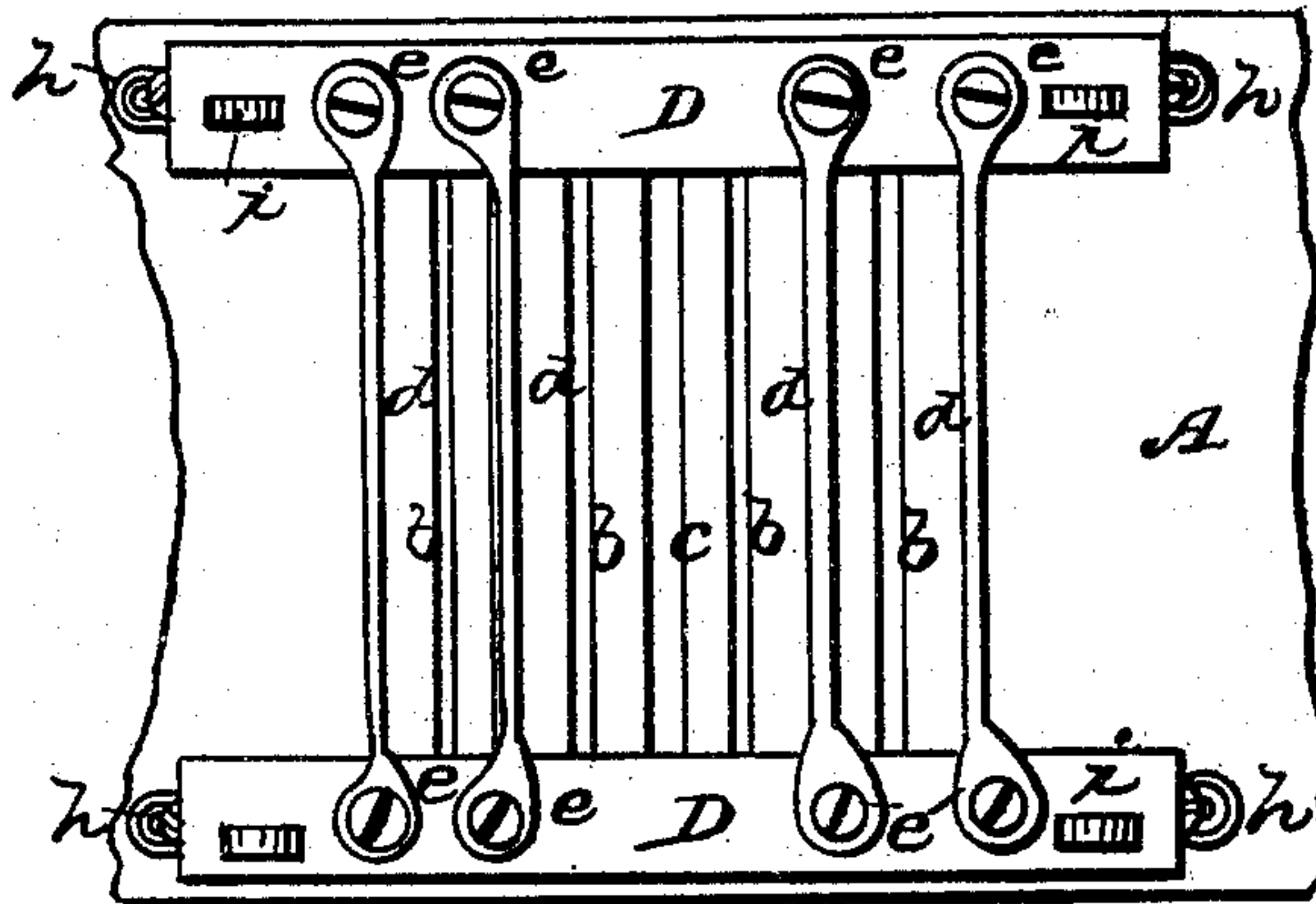
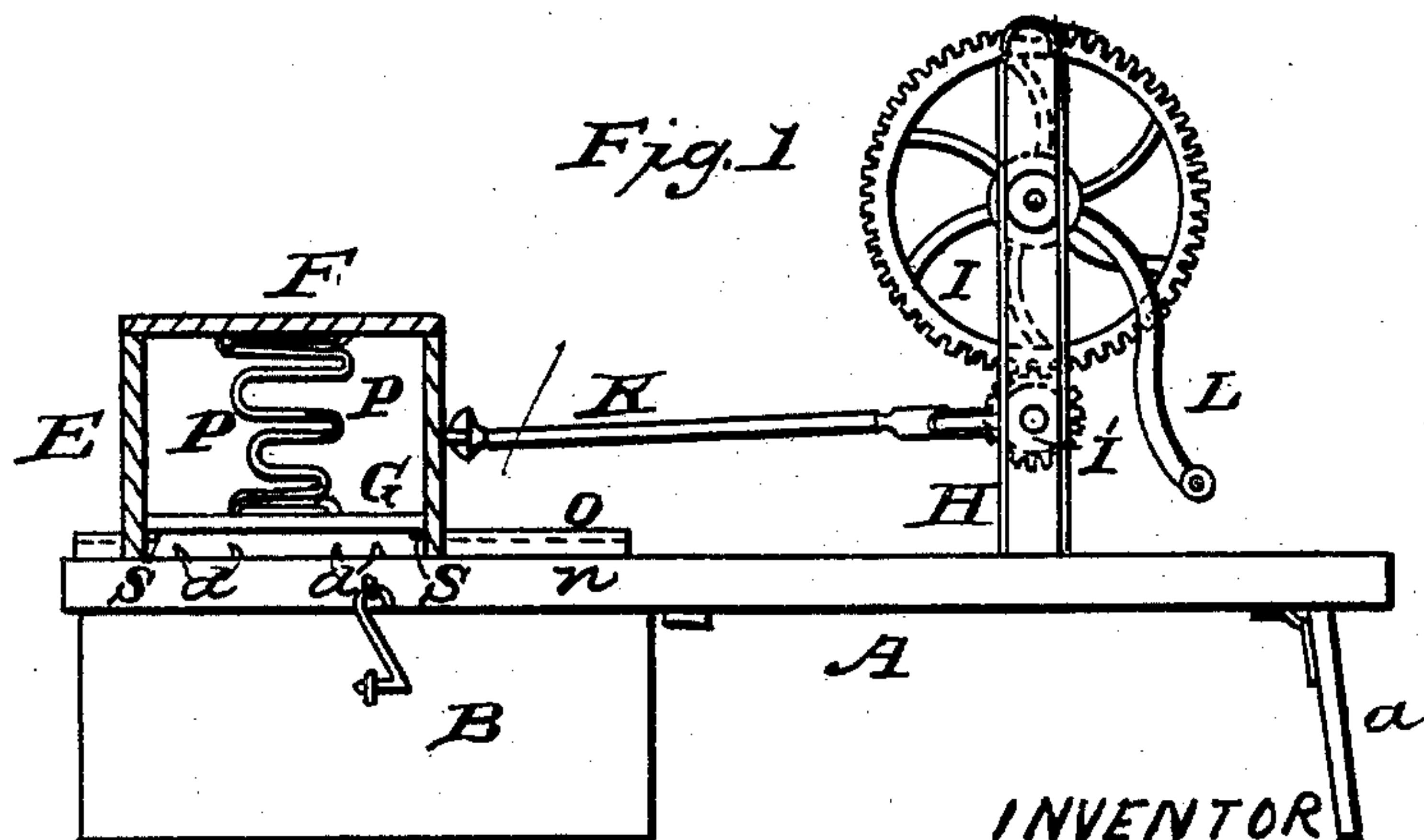


Fig. 1



INVENTOR

WITNESSES

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United States Patent Office.

GEORGE W. JACOBS, OF QUINCY, OHIO.

Letters Patent No. 78,290, dated May 26, 1868.

IMPROVED VEGETABLE-SLICER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, GEORGE W. JACOBS, of Quincy, in the county of Logan, and in the State of Ohio, have invented a new and useful machine for cutting cabbage, slicing potatoes, apples, turnips, and beets, which I call the Vegetable-Slicer; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making part of this specification.

My invention consists in the construction, arrangement, and combination of the knives with the other parts of the machine, that cabbage and other vegetables may be cut to any degree of fineness desired, with facility and rapidity.

Figure 1 is a side elevation and partial section of my machine.

Figure 2 is a plan of the table inverted; and

Figure 3 is a longitudinal section of a part of the table to which the knives are attached.

A is the table for sustaining the machinery for operating, and the box for containing the vegetables to be cut, and in which the cutting-knives are arranged. The table is supported at one end on the hinged legs *a*, and the opposite end is supported on the box B, secured to it by hooks and staples, directly under the knives, and is for the purpose of receiving the cut vegetables.

Transversely or diagonally through the table are cut slots *b b*, which increase in width from the top of the table, an equal number on each side of the centre-piece *c*, a margin being left on each side of the table at the ends of the slots.

d d are knives, the blades of which are the same length as the slots *b b*. At each end of the knives are lugs *e e*, with holes through which screws or rivets are inserted for fastening them to the plates D D, the lugs being so arranged that the knives will set at an angle upward through the slots *b b*, when placed in position, and either toward or from the centre-piece *c*. *h h* are iron plates, secured to the under side of the table, at each end of the knives, by wood-screws.

The plates D D are connected to the plates *h h* by the temper-screws *i i*, which work in threads in holes through the ends of the plates D D, and on the inner ends of which are formed necks, which pass through holes in the plates *h h*, and are headed to prevent their withdrawal. By this arrangement of the plates and temper-screws, the knives may be adjusted so that their edges will extend a greater or less distance above the upper surface of the table, so as to cut the vegetables to any degree of fineness desired.

E is an open-ended box, for containing the vegetables to be cut. On each side of the bottom of this box are flanges, which slide in the grooves *n*, in the side-pieces *o*, which are secured on the top of the table at the ends of the knives. The box E is provided with a lid, F, which is secured on top of it by hooks and staples. To the lid is connected the follower G, by means of the coiled spring *p*, as shown in fig. 1. In bearings in the upright standards H are supported the journals of the spur-wheel I and pinion I'. The shaft of the pinion I' is formed into a crank, to which is attached one end of the pitman K, the other end of which is connected to the box E.

The cabbage or other vegetable to be cut is placed in the box E, and the lid F secured on top of it. By turning the crank, L, a reciprocating motion is given to the box E over the knives, the follower G constantly pressing the vegetables down on to the knives until the box is emptied, when the follower will rest on the pins *s s*, which prevent its coming in contact with the knives, the cut vegetables falling through the slots *b b* into the box B.

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

The combination of the plates D D, the knives *d d*, slots *b b*, and slots *c c*, in the table A, and movable box E, as and for the purpose specified.

In testimony that I claim the above-described improvements in cabbage and vegetable-cutters, I have hereunto signed my name, this 18th day of February, 1868.

GEORGE W. JACOBS.

Witnesses:

JOHN H. CULP,

CHARLES H. JACOBS.