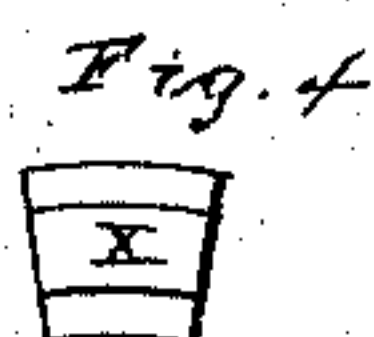
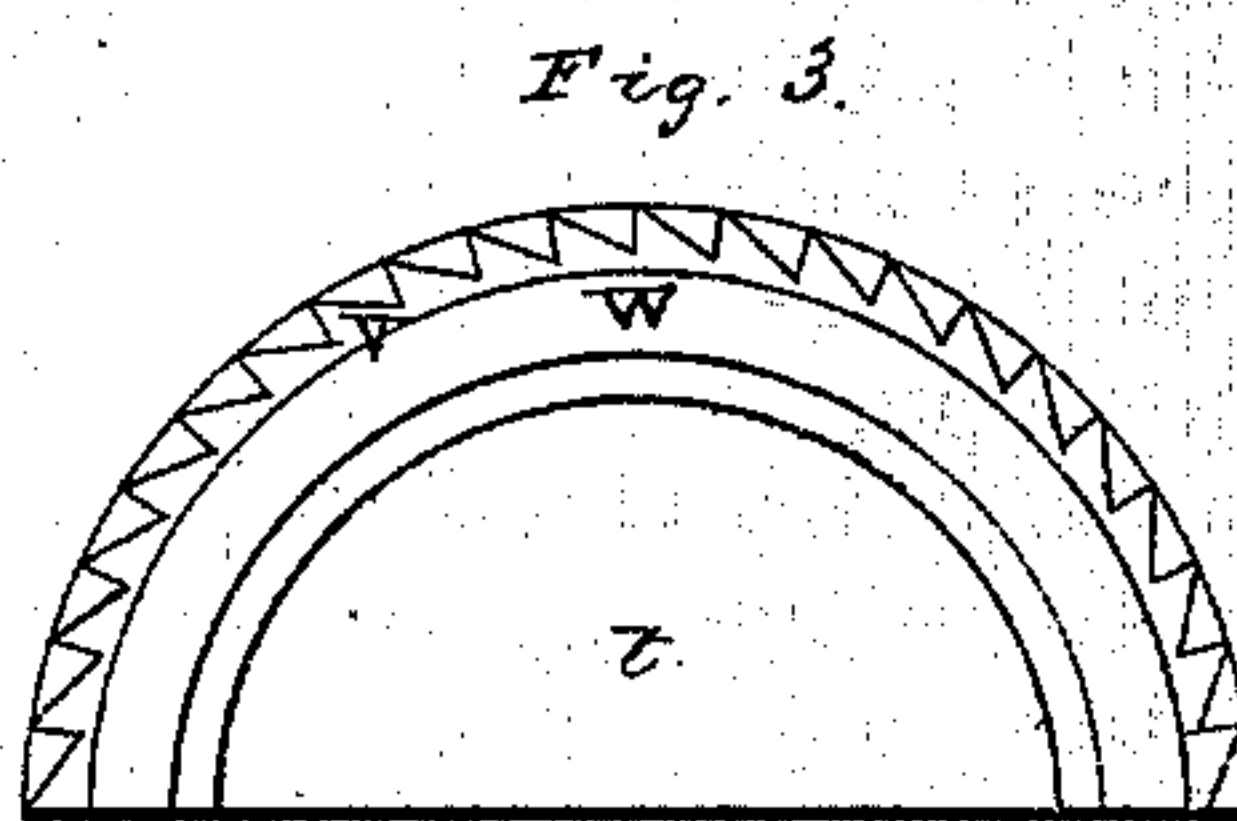
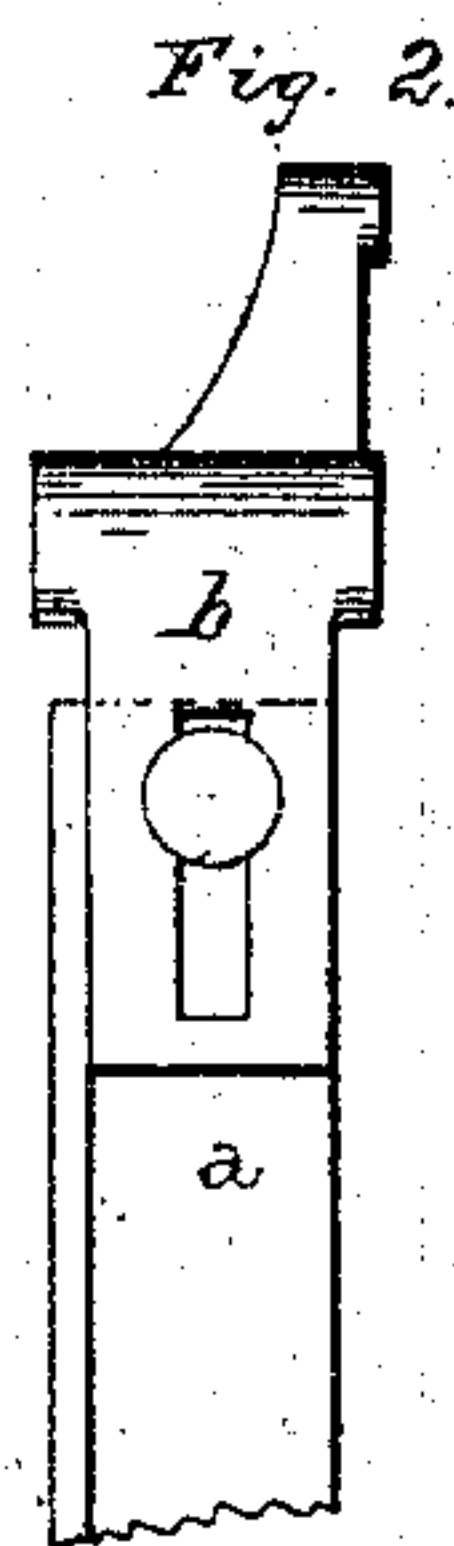
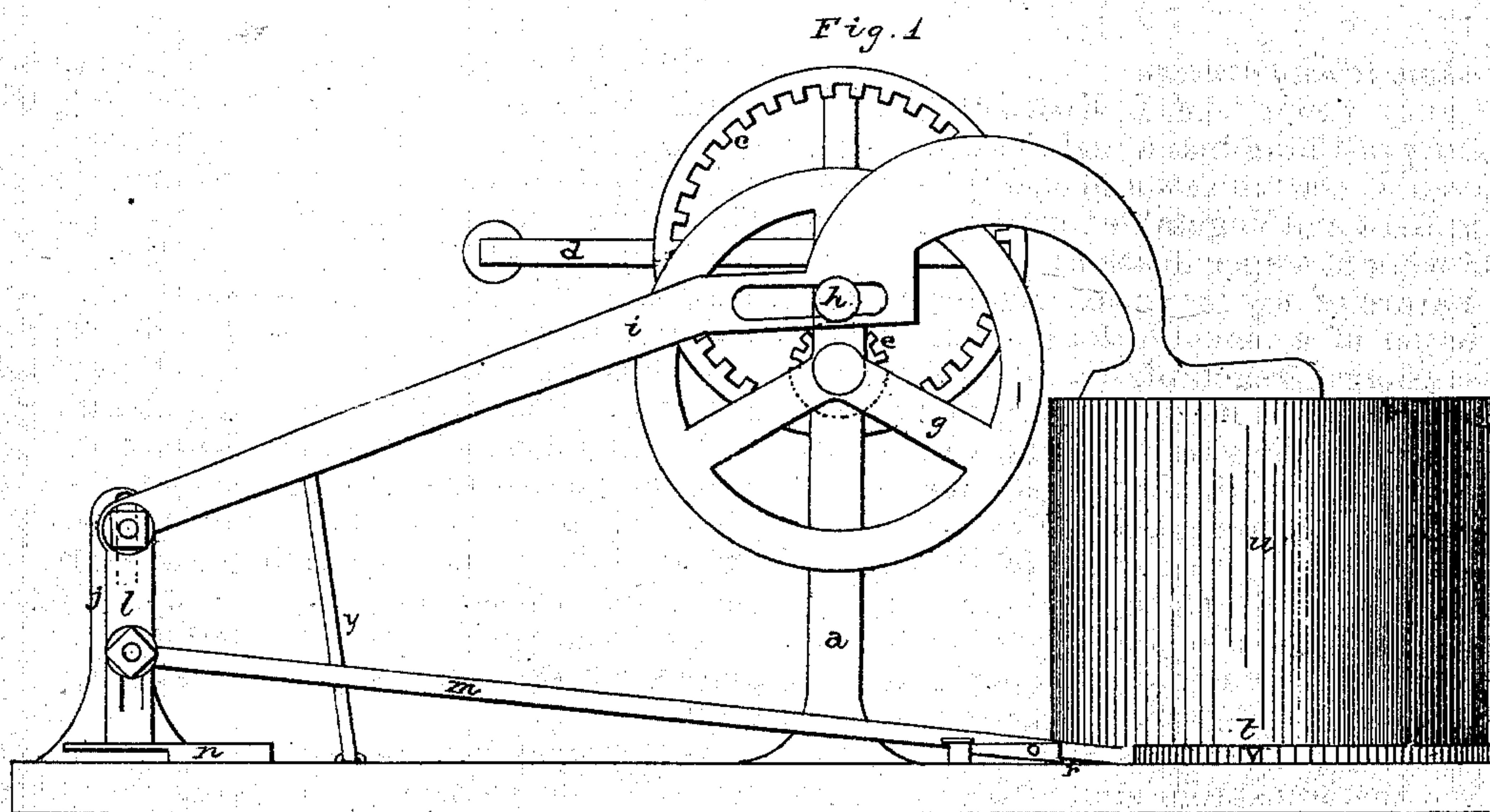


M. L. EDWARDS.
Cutters for Meat and Vegetables.

No. 139,501.

Patented June 3, 1873.



WITNESSES.
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UNITED STATES PATENT OFFICE.

MARTIN L. EDWARDS, OF SALEM, OHIO.

IMPROVEMENT IN CUTTERS FOR MEAT AND VEGETABLES.

Specification forming part of Letters Patent No. **139,501**, dated June 3, 1873; application filed March 8, 1873.

To all whom it may concern:

Be it known that I, M. L. EDWARDS, of Salem, county of Columbiana and State of Ohio, have invented certain new and useful Improvements in Meat and Vegetable Cutters, of which the following is a specification:

The nature of my invention relates to the construction of a machine for cutting meat, hash, sausages, vegetables, and other articles; and consists in the arrangement and combination of the various parts, which will be more fully set forth and claimed hereafter.

Figure 1 represents a side elevation of my invention. Fig. 2 is a side view of the adjustable standard, on which the driving mechanism rests. Fig. 3 is an inverted view of the cutting-block. Fig. 4 is a plan view of one of the guides, upon which the block travels.

a represents a metallic standard, to which is secured the adjustable slotted bearing *b* in such a manner that it can be adjusted up and down at will, carrying the whole driving mechanism with it. Secured to this bearing is the internally-toothed driving-wheel *c*, operated by the handle *d*, and which meshes with the pinion *e*. Attached to the same shaft as the pinion is the balance-wheel *g*, to which is secured the crank-arm *h* for operating the cutter-lever *i*, the said arm being provided with any suitable non-frictional devices, so as to prevent wear to it and the slot in which it works. The lever *i* may have any desired number of knives or cutters attached to it, and is pivoted to the slotted standard *j*, so that it can be adjusted up and down, and thus regulate the depth to which the cutters shall operate. Forming part of, and extending downward at right angles to the lever *i* is the slotted lever *l*, to which is secured the pawl *m* for revolving the cutting-block, and which is guided back and forth in its movements by the longitudinally-slotted guide *n* secured to the base of the machine, so as to prevent any lateral motion to the lever *i*.

By moving the bearing-pin of the pawl up and down in the slot in the lever *l* it can be made to give a longer or shorter stroke and

revolve the cutting-block slowly or rapidly, as may be desired, the said pawl being held against the cogs of the block by a spring, *o*, and having its end supported by the guide *r*. The cutting-block *t* consists of a circular piece of wood, of suitable thickness, having the walls or pail *u* secured to its top, in which the material to be cut is placed. Secured to its bottom is the circular casting *v*, having ratchet-teeth on its periphery and a circular groove, *w*, running around the under side, which fits over the guides *x*, so as to keep the block in place. Hinged to the base is a small arm, *y*, which can be made to catch under the lever and hold it suspended at its highest point, so that the block can be lifted up from the guides for the purpose of emptying its contents.

As the block becomes worn by the constant action of the cutters, by lowering the adjustable bearing *b* on the standard *a* the knives or cutters can be readily adjusted to any thickness.

The metallic standard *a*, to which is secured the driving mechanism, may be constructed in one piece, adjusting the cutters to the cutting-block by means of the slot in the standard *j*. The machine may be made of any size desired.

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

1. The knife-lever *i* having a horizontal slot for crank-pin *h* and arm *l*, in combination with slotted standard *j*, substantially as shown and described.

2. The combination of the slotted knife-lever *i*, slotted arm *l*, pawl *m*, and slotted guide *n*, with the ratchet *v*, substantially as shown and described.

In testimony that I claim the foregoing as my invention, I hereunto affix my signature this 3d day of March, 1873.

MARTIN L. EDWARDS.

Witnesses:

PETER AMBLER,
HIRAM GREINER.