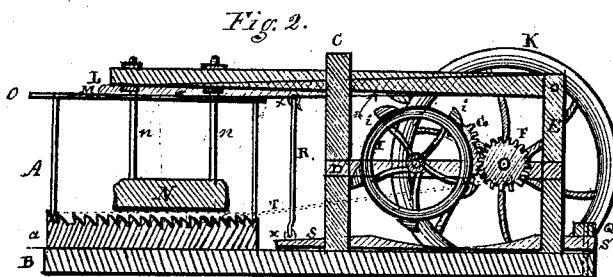
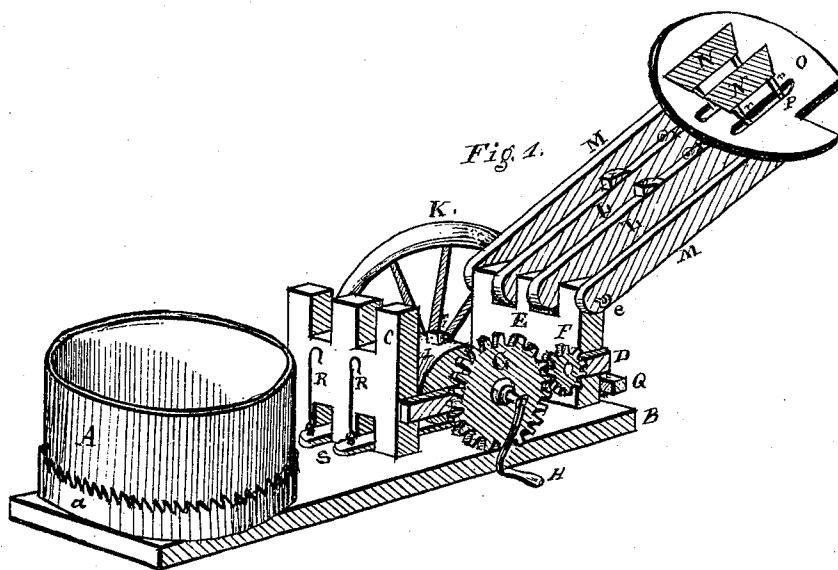


J. A. Eberly,

Meat Chopper.

No. 107,466.

Patented Sep. 20. 1870.



Witnesses.

J. Klarman
J. G. Garman

Inventor.

J. A. Eberly

United States Patent Office.

JOHN A. EBERLY, OF REAMSTOWN, PENNSYLVANIA, ASSIGNOR TO HIMSELF AND ABRAHAM GODSHALK, OF SAME PLACE.

Letters Patent No. 107,466, dated September 20, 1870.

IMPROVEMENT IN MEAT-CHOPPERS.

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

I, JOHN A. EBERLY, of Reamstown, in the county of Lancaster and State of Pennsylvania, have invented certain Improvements in the Combined Arrangement on Meat-chopping Machines, of which the following is a specification.

The nature of my invention consists in mounting the block, with its rack and case, upon a pivot, on which it revolves, and from which it can be removed for emptying or cleaning out, and which is also provided with a lid, united to side arms, so as to lift off and uncover the case, when the levers, with their choppers, are turned back on a common center, and removed out of the way, together with the arrangement of the springs and point for operating the levers.

The accompanying drawing illustrates the arrangement of the parts, in which—

Figure 1 is a perspective view of any machine, with only two choppers shown. Four or more may be applied in like manner. They are represented as turned back, with the lid-supports, the spring and lever-rods being first detached.

Figure 2 is a side elevation, further to illustrate the same, with the choppers resting on the block, and the spring-rods connected to the levers.

A brief explanation will enable any one skilled in the art to make and use the same.

A is a metallic ring or case, fitted over a round block, in the ordinary manner.

This block has a ratchet-ring, *a*, surrounding it.

The click-rod *T* is shown by dotted lines on fig. 2.

It is connected near the center of the fly-wheel *K*, which actuates it, so as to turn the block when in motion.

This block sets and revolves on a pivot, centrally affixed to the bed or base *B*, from which it can be easily removed for cleaning.

This base or table *B* has two uprights, *C E*, united by a cross-piece, *D*, which constitute the bearings on each side for the shafts and gear.

G is a cogged wheel on the shaft that carries the lifters *I* *i*, two, four, or more, side by side alternating, so that each revolution lifts the choppers about six times.

H is a crank-handle for turning the said shaft.

F, a pinion, meshing in the cogged wheel *G*, and the shaft of which sustains the fly-wheel *K*, at its other extremity.

The levers *L* are each provided with a chopper, *N*, held by a pair of jam-nuts above, to the stems *n*, and said stems are secured firmly to the choppers or cutting-blades *N*.

The lever-arms *L* have a rounded tooth; *l*, which comes in contact with the lifters *i*, as shown, to raise the lever.

These levers, two, four, or more, are all held in a longitudinal bolt, *e*, through the upright *E*, on which they turn as a fulcrum.

In like manner a side arm, *M*, is held, to which the slotted lid *O* is attached, so as to turn back with the chopper-levers, and carrying the lid along, as shown by fig. 1.

The upright *C* is slotted, forming guides for the chopper-levers above.

These levers have also an eyed or ring-bolt, *x*, to which the rod *R* is affixed by simply hooking in, being connected permanently by an eyed ring to the spring *S* below.

These springs are of wood or steel, horizontal, and braced behind by a cross-piece, *Q*, bolted over them, and the cross-piece *Q* is also slotted, to allow due motion in the elevation of the levers for raising the springs.

The operation is simple, and readily seen on inspection of the drawing.

I am aware that there is no novelty in a revolving block and levers, with choppers, actuated by lifters, and counteracted by springs, as there are divers patents for sundry arrangements. I, therefore, do not claim any of the parts, separately considered; but I am not aware of any chopping device arranged in the manner specified. Therefore,

What I claim as my invention, and desire to secure by Letters Patent, is—

The arrangement and combination of the horizontal springs *S*, connecting-rods *R* for hooking onto the chopper-levers *L*, in combination with arms *M*, lid *O*, and revolving removable block and case *A*, operated substantially in the manner and for the purpose specified.

J. A. EBERLY.

Witnesses:

J. R. GARMAN,
J. G. GARMAN.