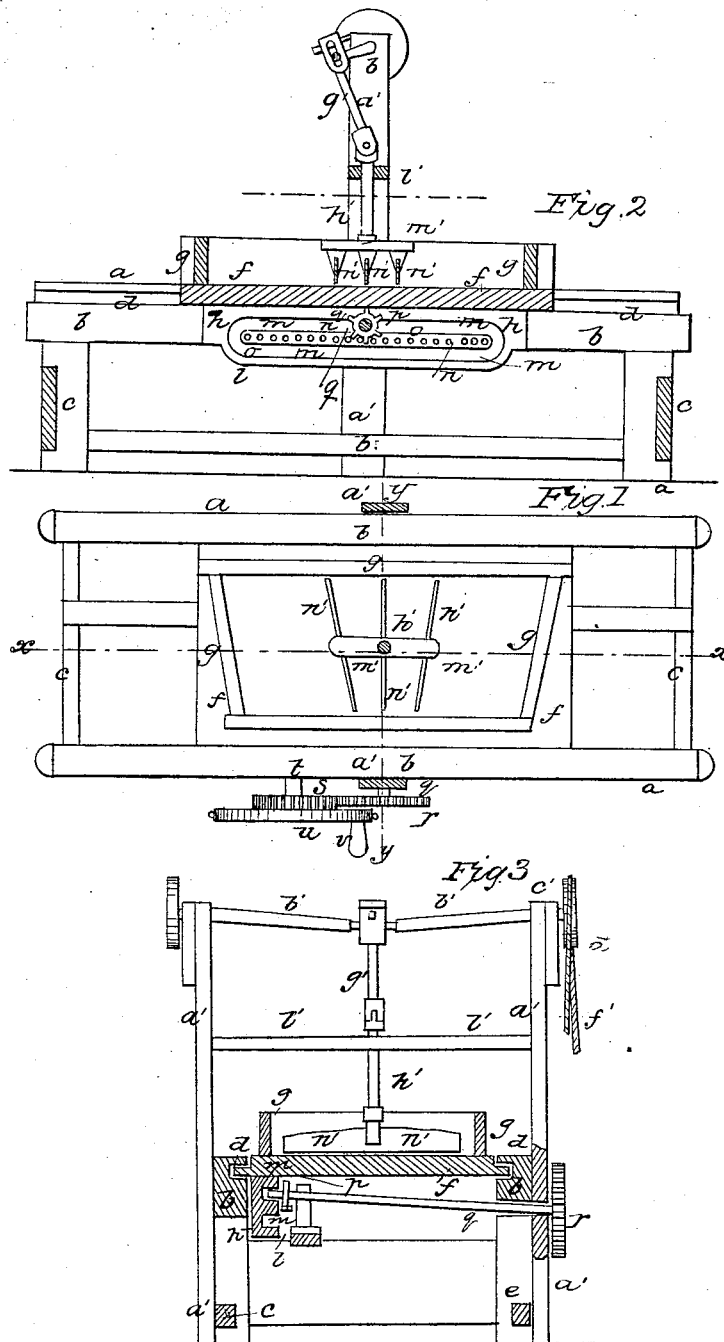


J. MASSEY.  
Meat Chopper.

No. 48,965.

Patented July 25, 1865.



Witnesses  
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Att'y.

# UNITED STATES PATENT OFFICE.

JOHN MASSEY, OF NEW YORK, N. Y.

## MEAT-CHOPPER.

Specification forming part of Letters Patent No. 48,965, dated July 25, 1865.

*To all whom it may concern:*

Be it known that I, JOHN MASSEY, of the city, county, and State of New York, have invented a new and useful Improvement in Meat-Choppers; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and construct the same, reference being had to the accompanying drawings, forming part of this specification.

The present invention consists in the use of a horizontal reciprocating traveling platform or box in which the meat or other material to be chopped is placed, in combination with any suitable cutter or cutters, which may consist of any desired number, and are so arranged that as the meat-box is moved forward and backward they shall be made to cut or chop the material therein as desired.

In the accompanying plate of drawings my improvements are represented, Figure 1 being a plan or top view of a meat-chopper with the same applied; Fig. 2, a longitudinal vertical section taken in the plane of the line *x x*, Fig. 1; and Fig. 3, a transverse vertical section taken in the plane of the line *y y*, Fig. 1.

*a a* in the drawings represent the frame-work of the machine, consisting of two parallel upright frames, *b b*, connected together by cross-pieces *c c*.

Within and between the frames *b b*, moving in suitable guiding-grooves *d d* of the same, is a sliding horizontal platform, *f f*, having upon its upper side a suitable-shaped box or receptacle, *g*, in which the meat or other material to be chopped is placed.

To the under side of the platform *f*, and in the direction of its length, is attached a bar or rod, *h*, having upon its inner face, *l*, two parallel and horizontal grooves, *m m*, made of a circular shape at each end, forming one continuous groove, as seen in Fig. 2.

*n n n* represent a series of equidistant projecting pins either inserted in or forming a part of the center piece, *o*, of the grooves *m m*, interlocking with which are the teeth of a toothed pinion, *p*, attached to a horizontal transverse shaft, *q*, of the machine, moving and bearing at one end in the continuous groove *m* of the platform, and bearing at its other end in the upright side frame, *b*, of the frame-work; *r*, a vertical gear-wheel on outer end of shaft *q*, interlocking with a smaller gear-wheel, *s*, of the driving-shaft *t*, having a pulley, *u*, and crank-handle *v*.

*a' a'* are two vertical standards upon each side of the frame-work *a a*, extending across which, from one to the other, at their upper ends, is a horizontal crank-shaft, *b'*, having upon its end *c'* a pulley, *d'*, connected by a belt or band, *f'*, with the pulley *u* of the driving-shaft.

On the crank-shaft *b'*, and at or near its center, is hung one end of a vertical connecting-rod, *g*, hung at its other end to a vertical shaft, *h'*, moving in bearings of a horizontal cross-piece, *l'*, of the standards *a' a'*, to the lower ends of which, and in a suitable frame or holder, *m'*, are secured a series of vertical knife or cutter blades, *n' n' n'*, which may consist of any desired number, of such a size and length as to fit within the box or casing *g* of the platform *f*.

When the machine is to be used the meat or other material to be chopped is first placed in the box or receptacle *g*, when the driving-shaft is revolved thereby through the intermediate devices connecting it with the platform *f*, moving the box forward and backward within the frame-work, while at the same time the chopping-knives *n' n'* are made to move up and down within the box through and by means of the crank-shaft *b'*, connected with the driving-shaft, as described, completely cutting and chopping the meat into fine particles, as is evident without further description.

By giving to the box a reciprocating rectilinear movement, while at the same time the cutters are made to move up and down in the same, as described, it is apparent that all portions of the meat are thus brought and subjected to the action of the cutting-knives or choppers, whereby a most thorough chopping of the material is secured, the advantages of which are many and well known to all.

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

The combination of the horizontally-reciprocating platform *f f* and driving devices, consisting of the shaft *q*, cog-wheel *p*, pins *n*, and grooves *m*, with the knives *n' n' n'*, jointed connecting-rods *g' h'*, and crank-shaft *b'*, arranged to operate in the manner and for the purposes specified.

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Witnesses:

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