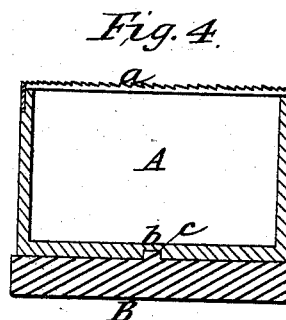
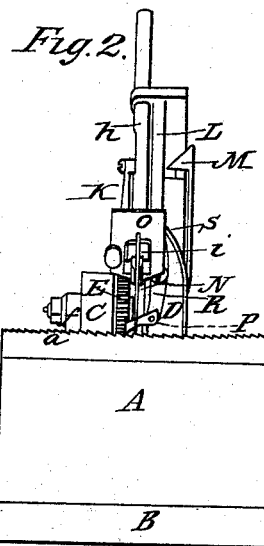


### Meat Chopper.

Patented May 15, 1866.



Samuel N. Piper.  
George Andrews.

Daniel W Baker,  
by his attorney,  
R Helms

# UNITED STATES PATENT OFFICE.

DANIEL W. BAKER, OF HARWICH, MASSACHUSETTS.

## IMPROVED MEAT-CHOPPER.

Specification forming part of Letters Patent No. 54,667, dated May 15, 1866.

### *To all whom it may concern:*

Be it known that I, DANIEL W. BAKER, of West Harwich, in the county of Barnstable and State of Massachusetts, have invented an Improved Meat-Chopping Machine; and I do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a side elevation, and Fig. 2 a front view, of it as it appears when its knife is raised into a suitable position out of the tub to enable the latter to be removed from its pivot, and the mechanism for revolving the tub. Fig. 3 is a rear elevation of it with the knife depressed into a working position. Fig. 4 is a transverse section of the tub and its pivot.

In the said drawings, A denotes a tub provided with a circular tooth-rack, *a*, at and going around its upper edge. This tub, at the center of its bottom, has a round socket, *b*, to rest on a pivot, *c*, extending up from a base board or stand, B, on which are erected two posts, C D.

Two spur-gears, E F, are arranged on shafts *d e*, supported by the post C. These gears engage with each other, the shaft of the larger being provided with a crank, *f*, by which it may be revolved.

A lever, G, having its fulcrum *g* projecting from the post D, has one arm connected with the gear F by a connecting-rod, I, the same being so that during each revolution of the said gear a reciprocating vibratory motion on its fulcrum shall be imparted to the said lever.

The other arm of the lever is connected with a slide-rod, *h*, of the knife-carrier *i*, by means of another and shorter connecting-rod, K.

The slide-rod *h* is supported by a bent arm, L, and so as to be capable of sliding longitudinally therein. At its shoulder the said arm is jointed to the top of the post D, so as to enable the arm to be moved from the position shown in Fig. 3 up into that exhibited in Figs. 1 and 2.

A spring-latch, M, affixed to the post D, serves to catch on and hold the arm down when in its lowest position.

The knife is shown at N as having its carrier *i* connected to the lower end of the slide-rod *h*, there being applied to the lower end of the bent arm L a guard or plate, O, which ex-

tends directly over the knife, and is to prevent any meat raised or thrown upward by the knife from being ejected from the tub.

A pawl, P, hinged to the lower arm of a bent lever, R, works in the curved rack of the tub. The upper arm of the said lever R extends into the path of movement of and over the lever G, and has the free end of a spring, S, resting against it, such spring being applied to the post D, and the whole being arranged in manner as represented.

By laying hold of the crank *f* and revolving it a reciprocating vertical movement will be imparted to the knife when it may be in the tub, and such tub will be slowly intermittently revolved by the pawl P, to which a reciprocating movement will be imparted.

On moving the latch out of engagement with the bent arm L, such arm will be left free to be raised up into the position as represented in Figs. 1 and 2. The knife may be pushed up still higher than it will be raised with and by the arm.

I do not claim as my invention, in the above-described meat-chopping machine, the rotary tub and the reciprocating knife, provided with mechanism for revolving the tub and moving the knife vertically while in such tub; but

What I do claim is as follows, viz:

1. The combination of the bent arm L with the post D or its equivalent, the knife and its slide-rod, and the mechanism for imparting to the knife-rod its reciprocating movements, such mechanism being the lever G, the connecting-rods I K, and the gears on their shafts, the whole being substantially as specified.

2. The arrangement of the lever R, its pawl P, and spring S with the post D and the lever G, applied thereto and to the knife-shaft, as described.

3. The combination and arrangement of the guard O with the bent arm L, and the knife and its rod, as applied to such arm and to operate in the tub, as specified.

4. The combination of the spring-latch M, or its equivalent, with the post D, the bent arm, and the knife, combined together, and with machinery for operating the knife, as specified.

DANIEL W. BAKER.

Witnesses:

R. H. EDDY,

F. P. HALE, Jr.