

F. S. Rutschmann

Meat Cutter.

Patented May 25, 1869.

N^o 90,588.

Fig. 2

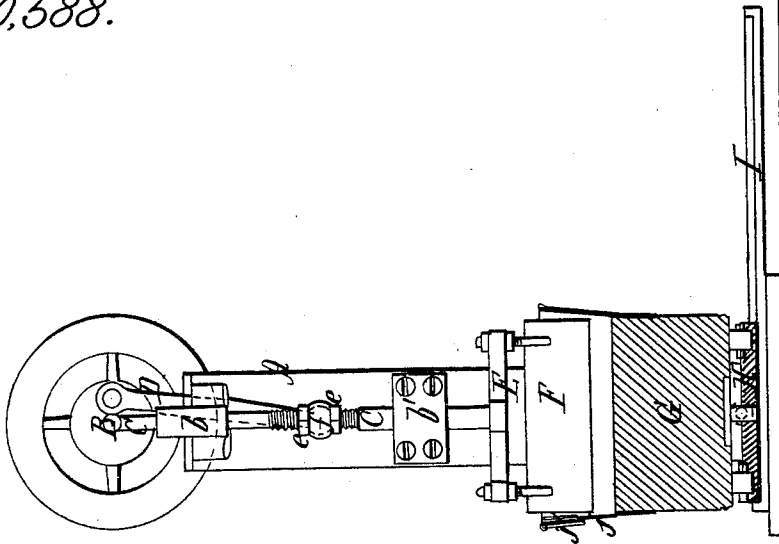
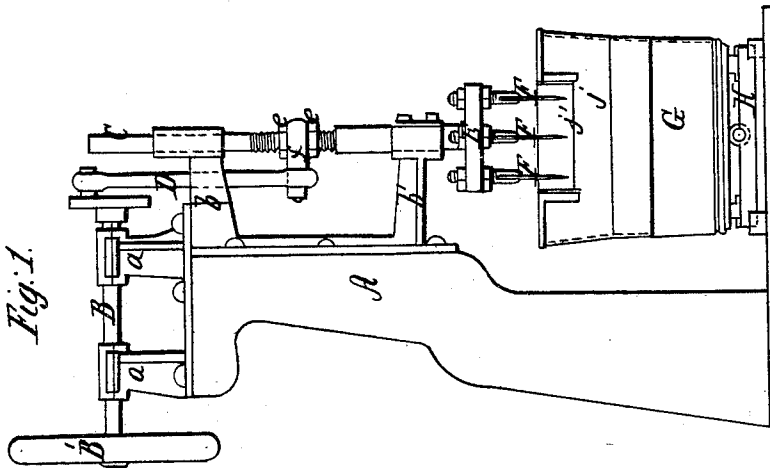


Fig. 1.



Inventor,

Witnesses;
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FRANCIS S. RUTSCHMAN, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO HIMSELF, JOHN RUTSCHMAN, AND WILLIAM RUTSCHMAN, OF SAME PLACE.

Letters Patent No. 90,588, dated May 25, 1869.

IMPROVED MEAT-CUTTER.

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, FRANCIS S. RUTSCHMAN, of the city of Philadelphia, in the county of Philadelphia, and State of Pennsylvania, have invented a new and improved Meat-Cutter; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, which form part of this specification, and in which—

Figures 1 and 2 represent views of a meat-cutter, constructed according to my invention, taken at right angles to each other.

Similar letters of reference indicate corresponding parts in both figures.

This invention consists in a meat-cutter of novel construction, whereby a better and more uniform means of adjustment is given to the knives or cutters than has heretofore been given, and whereby the same may be operated as efficiently, by the aid of one connecting-rod, as meat-cutters of the ordinary construction are by the aid of two.

Referring to the accompanying drawings—

A is a frame of cast-metal, supporting in bearings *a a*, at its upper extremity, a horizontal shaft, B.

Said shaft B is or may be provided, at its rear end, with a balance-wheel, B', and, by its rotary motion, imparts reciprocating motion to a vertically-arranged sliding bar, C, by means of a crank and a single connecting-rod, D.

The sliding bar C is fitted to slide through bearings or guide-ways formed in the extremities of horizontal arms *b b'*, and is provided, at its lower end, with a cutter-frame, E, which carries any desirable number of knives or cutters F.

Said knives or cutters F are arranged parallel with each other, with their cutting-edges in the same horizontal plane, and working, by means of the reciprocating movement of the bar C, up and down, upon a revolving block, G.

The connecting-rod D does not connect, by its lower extremity, with the upper extremity of the said sliding bar, as might be supposed, but, passing through an opening in the arm *b*, it connects with the central

portion of said bar, by means of an adjustable block, *f*. Said adjustable block *f* is fitted to slide over a threaded portion of said sliding bar C, but is held stationary at any desirable point thereon, when not required to move, by means of nuts *e e*, which are tightened against its upper and lower sides from above and below.

By this means provision is made for the resetting of the knives, after their edges have been cut away by repeated whettings, or after the dressing off of the surface of the block, as is sometimes necessary.

The lower portion of the sliding bar C is made square or angular in its transverse section, and the lower guide-way *b'* made to conform thereto, so as to prevent the turning of the said bar upon its axis.

The knives or cutters F are secured to the cutter-frame E, in the usual way, and are each provided with an independent means of adjustment, for the purpose of bringing their cutting-edges to bear uniformly upon the surface of the block G.

The revolving motion of the block G may be effected in the usual way.

For removal of the meat from the block, or for sharpening the knives, the revolving block G is supported upon a carriage, H, which traverses a railway, or track, I, carrying with it the said block.

A gate, J', is provided to the wall J, surrounding the top of the block, whereby provision is made for the sliding of the block from under the cutters, when the carriage H is moved along the track.

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

The frame A, shaft B, connecting-rod D, sliding block *f*, adjustable cutter-bar C, cutter-frame E, knives F, revolving block G, carrier H, and track I, combined and arranged for operation, substantially as specified, whereby an efficient and convenient meat cutter is obtained.

FRANCIS S. RUTSCHMAN.

Witnesses:

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