P. Clareton.

Meat Chopper.

No. 90,994. Patented Jun. 8, 1869.

Fig: 1

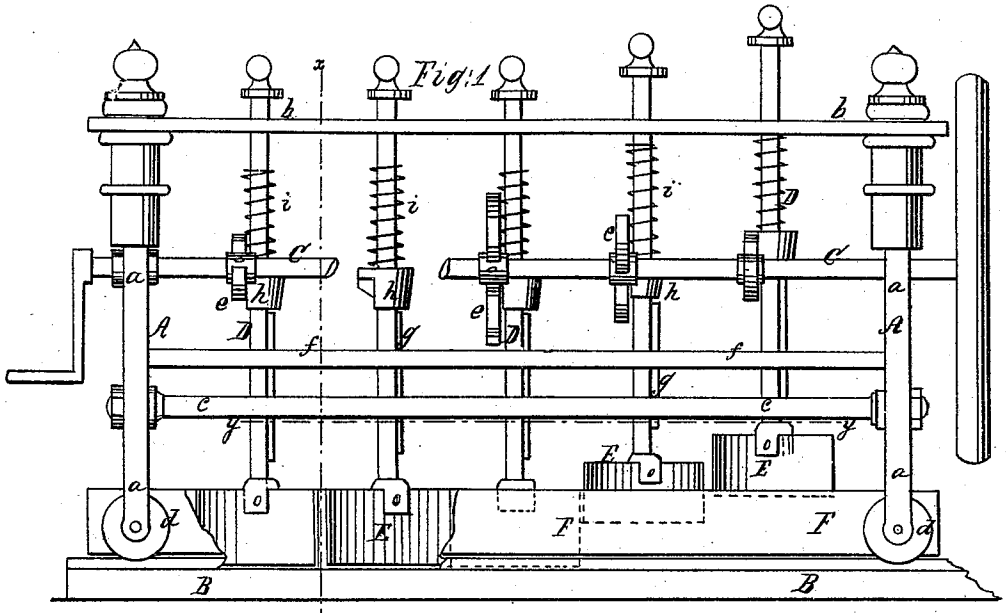


Fig: 2

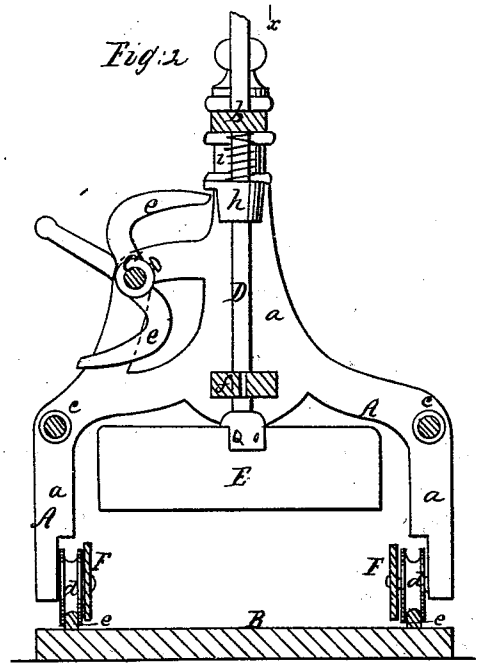
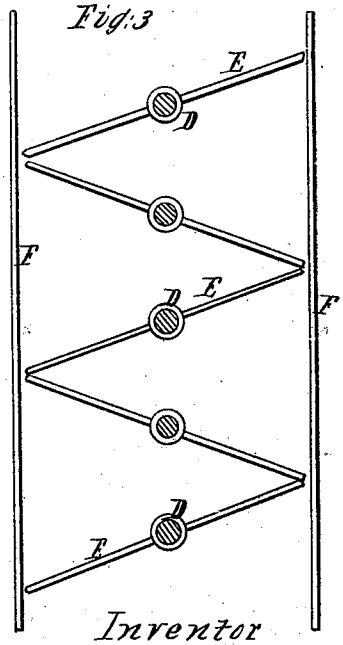


Fig: 3



Witnesses

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PAUL CLARETON, OF NEW YORK, N. Y.

Letters Patent No. 90,994, *dated June* 8, 1869.

IMPROVED MEAT-CHOPPER.

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, PAUL CLARETON, of the city of New York, in the county and State of New York, have invented a new and improved Meat-Chopping Machine; 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 use the same, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 represents a side elevation, partly in section, of my improved meat-chopping machine.

Figure 2 is a vertical transverse section of the same, taken on the plane of the line *x–x*, fig. 1.

Figure 3 is a horizontal section of the same, taken on the line *y–y*, fig. 1.

Similar letters of reference indicate corresponding parts.

This invention relates to a new machine by which meat, vegetables, and other articles can be rapidly and successfully cut into small pieces, for sausage-stuffing and other purposes.

The invention consists in the combination of the various parts, as will be hereinafter fully described.

A, in the drawing, represents the frame of the carriage.

It consists of two or more bars or plates, *a*, which have their lower ends bifurcated, their upper ends being connected by a longitudinal bar, *b*, while other longitudinal bars, *c c*, brace them at or about the middle and lower parts.

Wheels *d d* are secured to the lower ends of the bars *a*, and rest on rails, or tracks *e*, formed on a supporting-platform, B. The carriage can thus be conveniently moved on the said platform, which is of suitable length.

C is a longitudinal shaft, which has its bearings in the frame A, and which carries a series of cams, *e e*, either single or in pairs or larger numbers, as may be desired.

D D are a series of vertical rods, fitted through the top bar *b*, and through a bar, *f*, which is below *b*, so that they can move up and down, but not turn in said bars.

The rods have, therefore, either tenons *g*, as shown, or are of prismatic form, or otherwise so arranged that they cannot turn.

To the lower end of each rod D is secured a knife, E, which is set obliquely, the knives on the various rods being set in different positions, as shown in fig. 3.

On each rod is secured a shoulder, *h*, and a spring, *i*, above said shoulder, tends to force the rod down, so as to hold the cutters against the platform B. As the shaft C is revolved, by hand or otherwise, its cams, catching under the shoulders *h*, alternately elevate the rods, and then, when they have passed by the shoulders, the rods are suddenly and violently forced down upon the bed B by the springs *i*.

The meat or other material to be chopped is placed upon the platform B, and is chopped by the reciprocating knives. While the cutting-process is carried on, the carriage is slowly moved on the track, to change the positions of the cutters above the material.

F F are sheet-metal or other plates, which are supported on the inner sides of the bifurcated lower ends of the bars *a*, either on the axles of the wheels *d* or otherwise, so as to protect the wheels from particles of the meat flying about, and also to serve as ledges to the platform, to prevent the particles from falling off.

The bar *b* is up-and-down adjustable on the support *a*, for the purpose of giving more or less play to the springs, whereby, consequently, the power is regulated.

Having thus described my invention,

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

In combination with the carriage A, cam-shaft C, cutters E, and springs *i*, the rollers *d* and plates F, substantially as herein shown and described, and for the purpose specified.

PAUL CLARETON.

Witnesses:

FRANK BLOCKLEY,

C. L. TOPLIFF.