W. H. H. WALKER.

Meat Chopper.

No. 66,916. Patented July 16. 1867.

FIG. 1

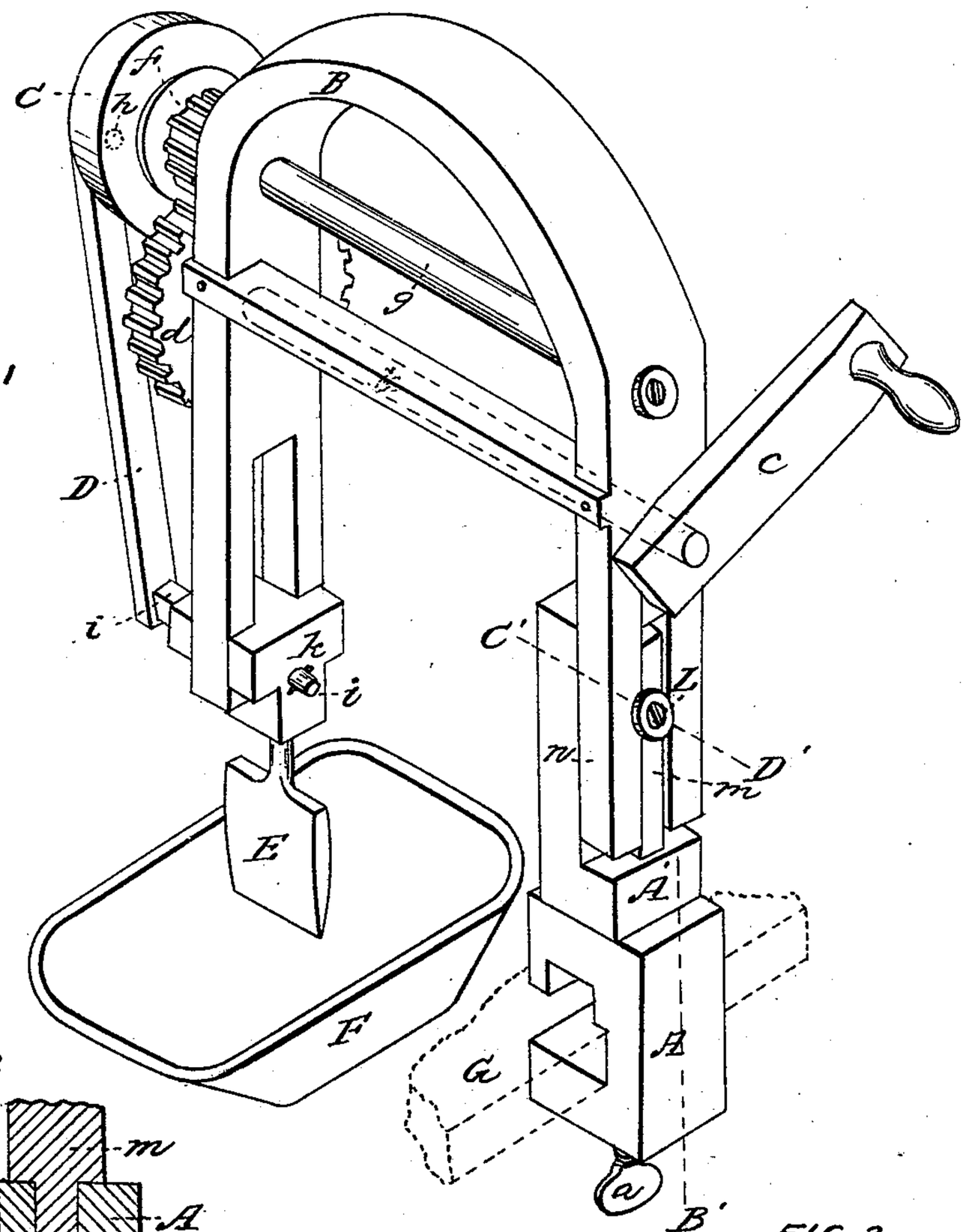


FIG. 2

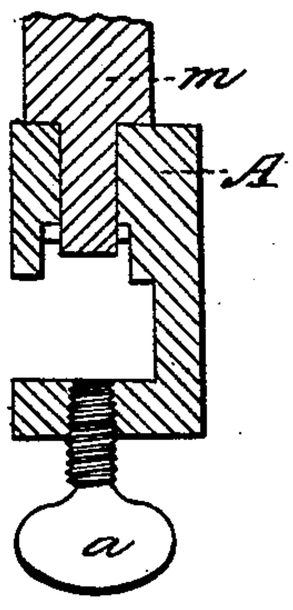
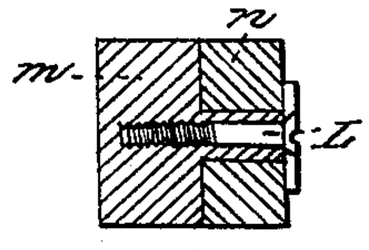


FIG. 3



WITNESSES:

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W. H. H. WALKER, OF BANGOR, MAINE.

Letters Patent No. 66,916, *dated July* 16, 1867.

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, W. H. H. WALKER, of Bangor, in the county of Penobscot, and State of Maine, have invented a new and useful or improved Chopping-Knife; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view.

Figure 2 is a vertical section taken on line A′ B′; and

Figure 3 is a transverse section taken on line C′ D′.

Similar letters of reference indicate corresponding parts in the several figures.

The nature of my invention consists in a chopping-knife, so constructed as to be attached to a table or shelf, and driven by a crank, and which may be raised or lowered as convenience may require; and also admitting a swinging movement of the cutting-blade, by which to bring it in contact with all of the contents of the chopping-tray.

In the drawings, A represents a clamp, which is secured to the table G by the set-screw *a*. The bow B is pivoted in clamp A, as shown in fig. 2. In this bow is the revolving-shaft *b*, which is driven by crank *c;* and upon this shaft is fixed the speed gear-wheel *d*, which meshes into pinion *f* upon shaft *g*, upon which shaft is the pulley C, to which pulley pitman D is connected by wrist-pin *h*. The lower end of this pitman is attached to a pin, *i*, which is secured in the sliding-block *k*, which moves in a slot in the end of bow B. E is the cutting-blade, which is secured in sliding-block *k* in any suitable manner. F is the chopping-tray, in which is placed the material to be operated upon by the cutting-blade. The bow B is formed in two parts, *m* and *n*, which are grooved together, as shown in fig. 3, thus allowing the part *n* to be raised or lowered at will, and which is held in any desired position by set-screw L.

Thus, by turning crank *c*, and, through the agency of speed-wheel *d*, pinion *f*, and pitman D, imparting the motion to sliding-block *k*, a rapid vertical motion is given to the cutting-blade, which operates directly upon the contents of the bowl F, while, by means of the pivoted connection between bow B and clamp A, the knife may be moved to different parts of the tray, as may be desired. And by means of the adjustable connection between parts *m* and *n* of the bow B, the cutting-blade may be set so as to work deeper or more shallow in the tray, as convenience shall require.

Among the advantages of my invention may be mentioned its compactness and simplicity of parts, the ease and rapidity with which motion is imparted to the cutting-blade; its adaptation to various heights of trays or work to be done, by means of the sliding device; and the change of position that may be given to the knife by means of the pivoted connection between clamp A and bow B.

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

1. The chopping-knife, as constructed, with frame or bow B, crank *c*, wheels *d* and *f*, pitman D, and knife E, and arranged to connect with the table by means of clamp A, or its equivalent, all constructed and arranged to operate in manner substantially as and for the purposes specified.

2. Pivoting the frame or bow B, whereby a swinging motion may be imparted to the cutting-blade, as described.

3. The adjustable raising and lowering of the cutting-blade, by means and in manner substantially as described and shown.

W. H. H. WALKER.

Witnesses:

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