

## Meat Chopper.

Patented June 27, 1865.



# UNITED STATES PATENT OFFICE.

GEORGE W. SARGENT AND PLUMER H. CHESLEY, OF CHELSEA, MASS.

## IMPROVED MEAT-CHOPPING MACHINE.

Specification forming part of Letters Patent No. 48,451, dated June 27, 1865.

*To all whom it may concern:*

Be it known that we, GEORGE W. SARGENT and PLUMER H. CHESLEY, of Chelsea, in the county of Suffolk and State of Massachusetts, have invented new and useful Improvements in Machines for Chopping Meat, Fish, and Vegetables; and we 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 annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view. Fig. 2 represents a section of the tub in which the meat is chopped, together with the block in the bottom of the tub; also, the standard or post which passes through the center of the tub, by which the tub is guided in its rotary motion, and also the ratchet by which the tub is given its rotary motion. Fig. 3 represents the rod to which the knives are attached, the chamber on the rod, the crank-shaft acting in the chamber giving the knives, as shown, their upward and downward motion; also, the set-screw used to adjust the knives, as occasion may require.

The nature of our invention consist in constructing a frame, *l*, together with a guide, *e*, at the top of the machine; also, another guide, *f*, near the center of the machine, by which the knife-rod is confined in its upward and downward motion, the crank-shaft *a* being placed in the chambers *n* on the knife-rods *b*, so that, upon turning it with the crank *c*, each angle of the crank-shaft *a*, acting in the chambers *n* on the knife-rods *b*, causes, as shown, the move-

ment of the knives *g* by which they come in contact with the block *m*, thereby chopping the meat.

*d* is the set-screw in the lower part of the knife-rod, used to adjust the knives.

*k* is the tub in which the meat is placed to be chopped.

*J* is the standard or post by which the tub is guided in its rotary motion.

*i* is the ratchet around the lower edge of the tub.

*h* is the lever operating on the ratchet, thereby causing the movement of the tub, the lever being driven by a pin in the end of the crank-shaft.

The knives *g* are placed in a diagonal position, four of them being placed on each side of the standard, making a cross-cut in the meat during the revolution of the tub.

The crank can be turned either way, the tub always moving one way.

Having fully described the machine, what we claim as new, and desire to secure by Letters Patent, is—

The arrangement of the crank-shaft *a*, the application of the chambers *n* on the knife-rods *b*, the diagonal position of the knives, and the operation of the ratchet, in the manner and for the purpose as described.

GEO. W. SARGENT.

PLUMER H. CHESLEY.

Witnesses:

DAVID WEBSTER,

DAVID V. THOMSON.