

No. 608,455

Patented Aug. 2, 1898.

W. H. GWINNER.

COMBINED MEAT SAW, TENDERER, AND CHOPPER.

(Application filed Aug. 20, 1897.)

(No Model.)

Fig. 1.

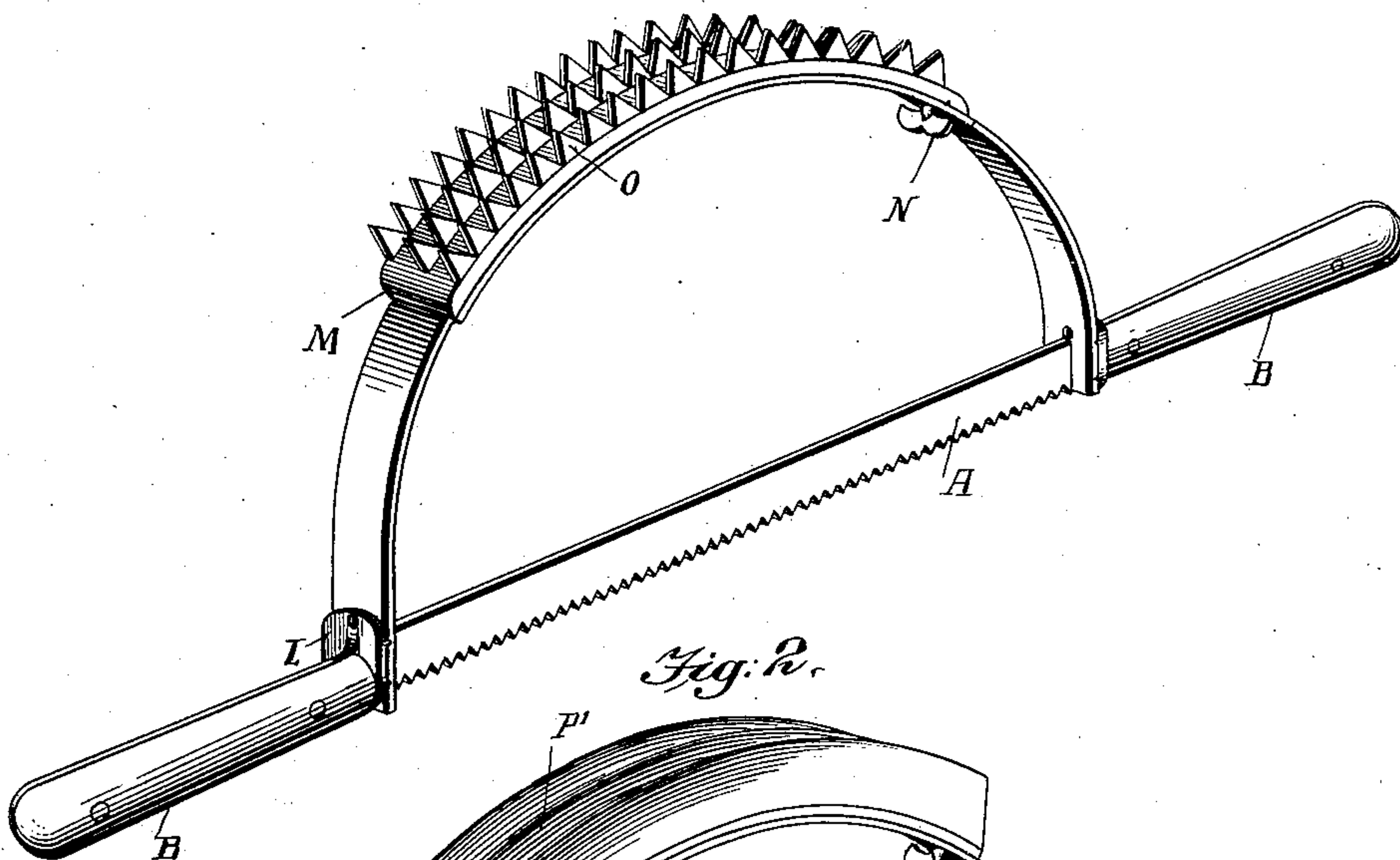


Fig. 2.

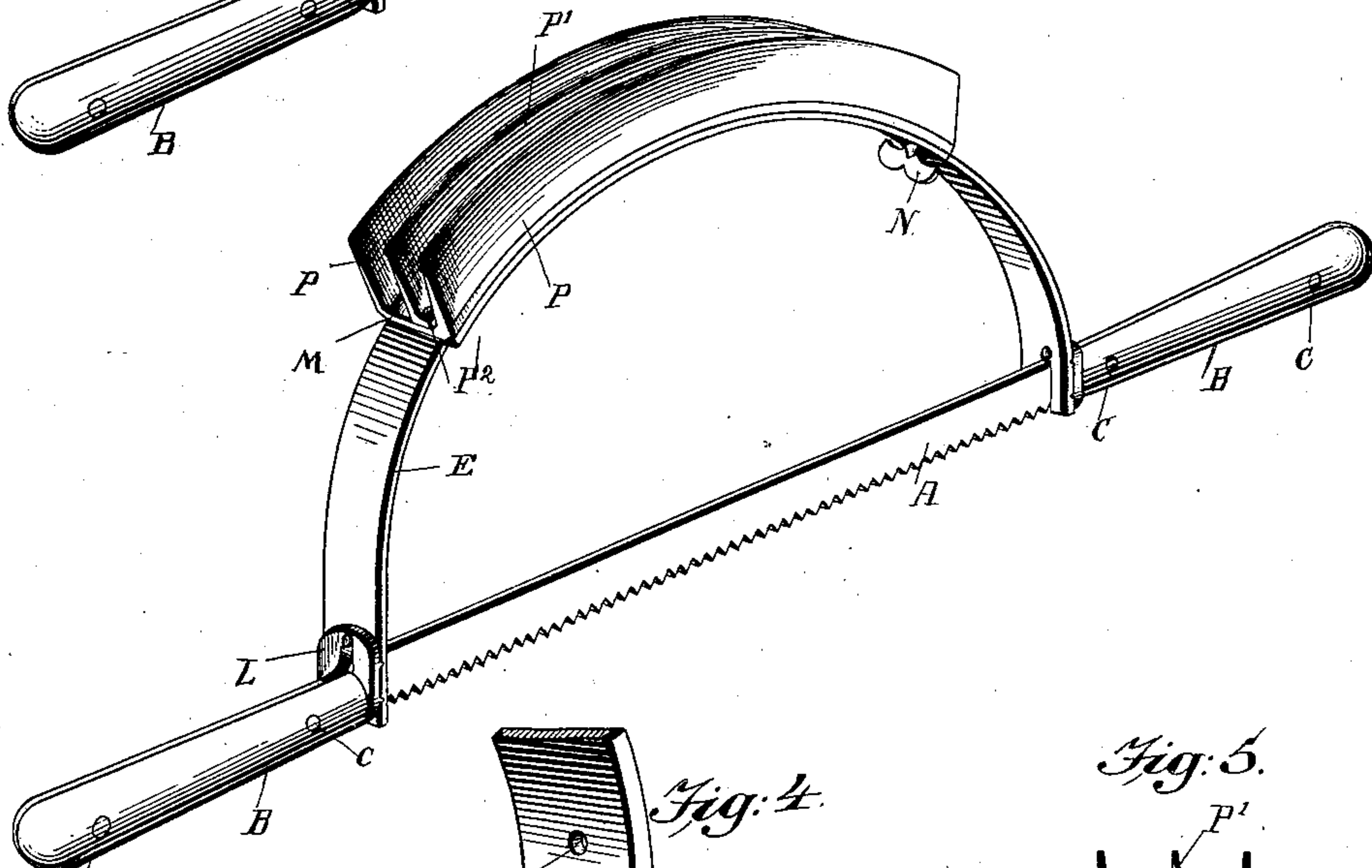


Fig. 3.

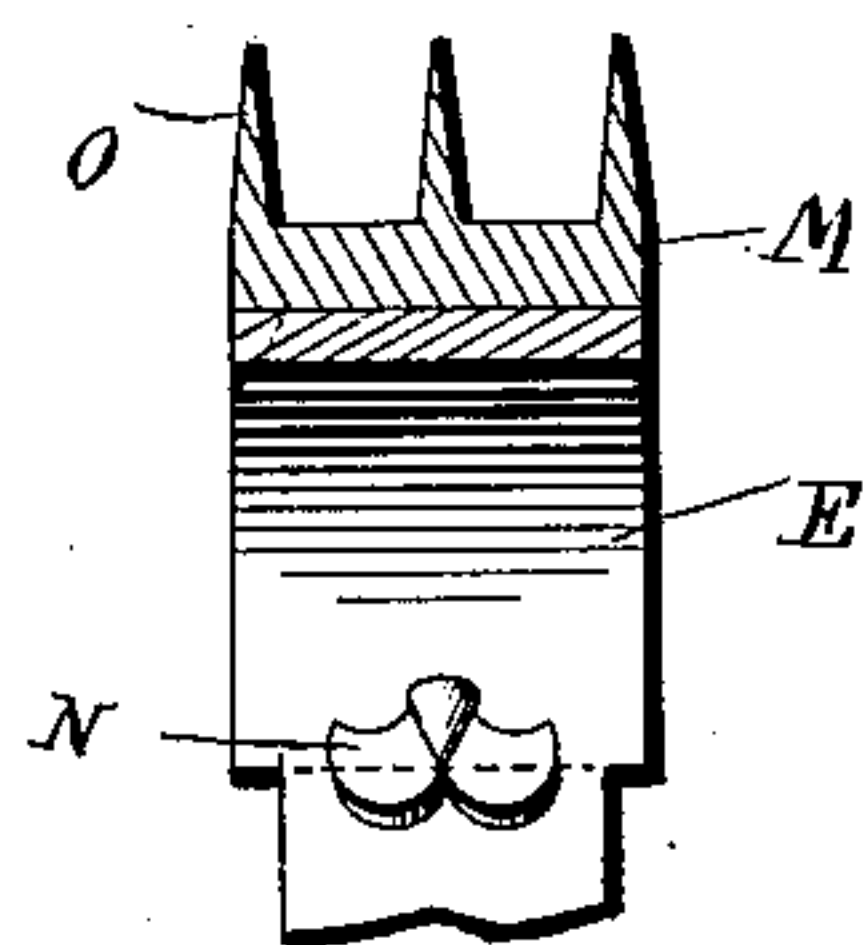


Fig. 4.

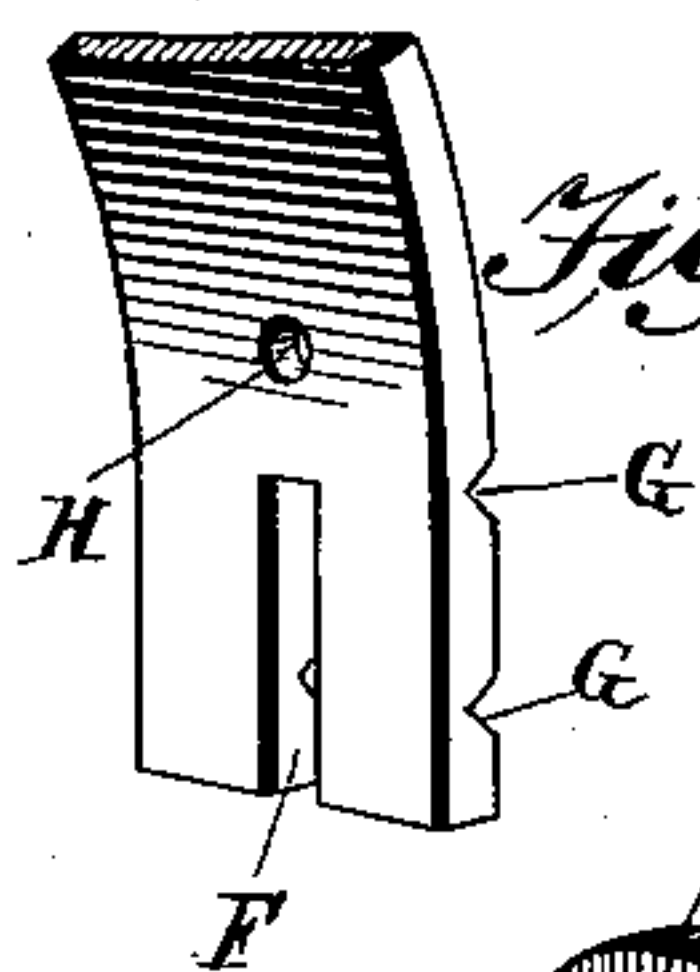


Fig. 5.

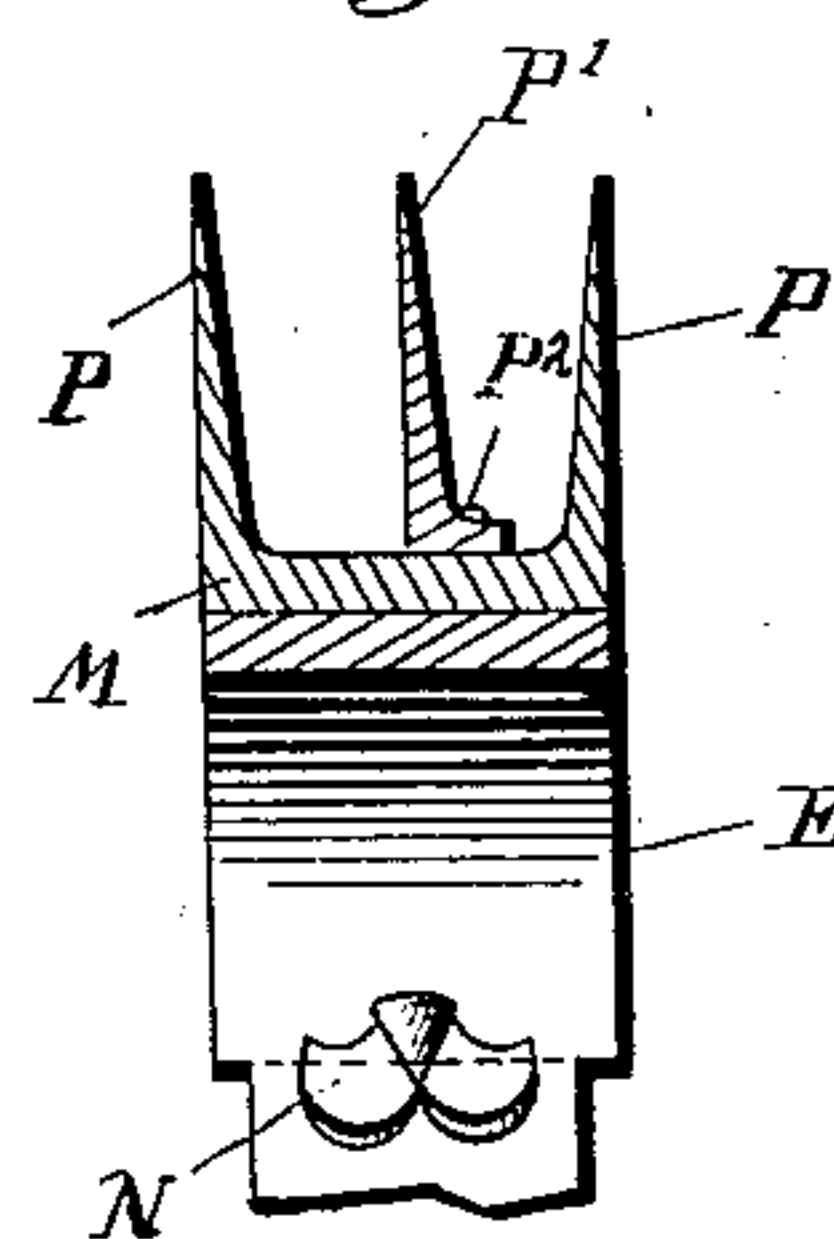
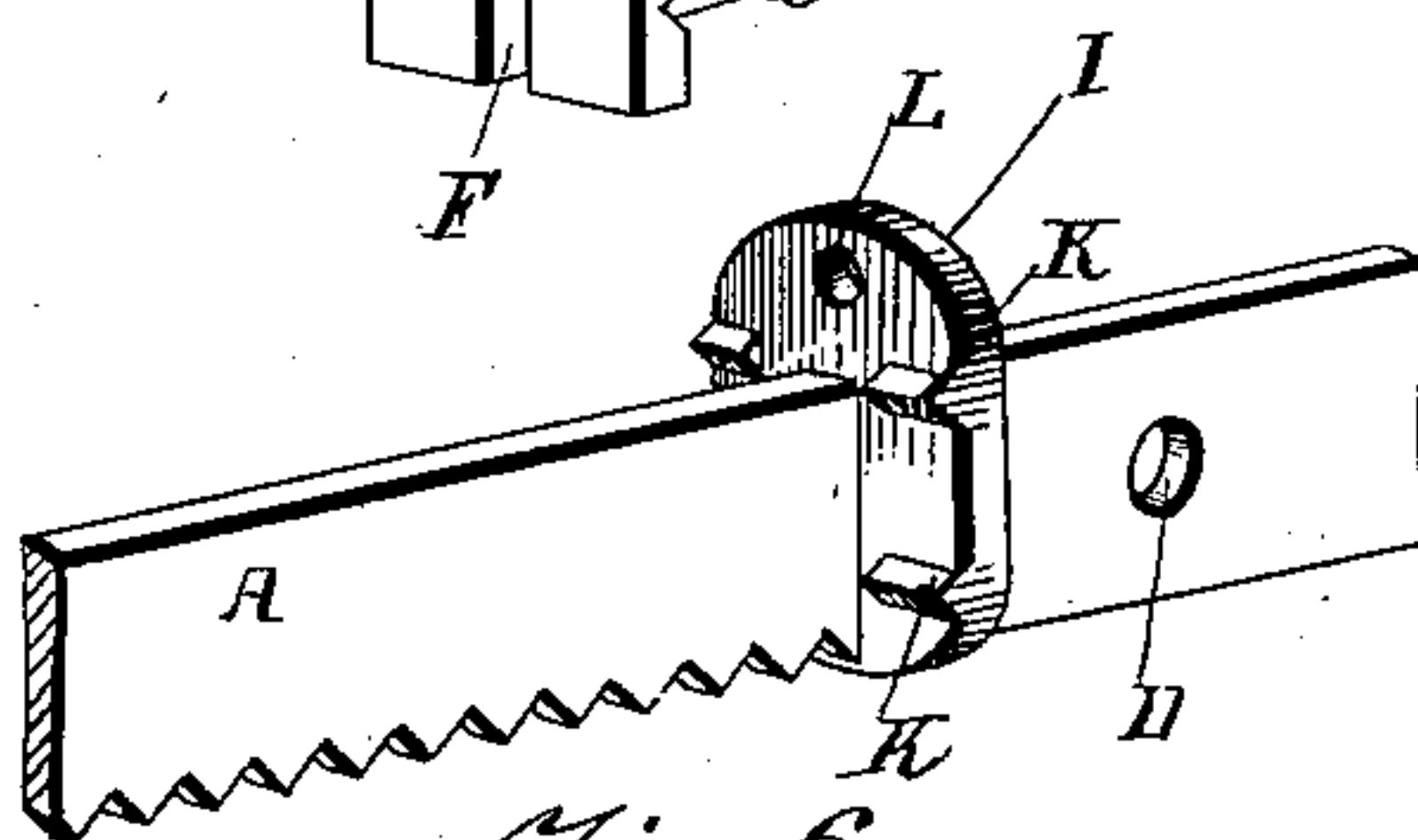


Fig. 6.



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UNITED STATES PATENT OFFICE.

WILLIAM H. GWINNER, OF EASTON, PENNSYLVANIA, ASSIGNOR OF ONE-FOURTH TO CALVIN J. DULL, OF PHILLIPSBURG, NEW JERSEY.

COMBINED MEAT SAW, TENDERER, AND CHOPPER.

SPECIFICATION forming part of Letters Patent No. 608,455, dated August 2, 1898.

Application filed August 20, 1897. Serial No. 648,944. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. GWINNER, residing at Easton, in the county of Northampton and State of Pennsylvania, have invented a new and useful Combined Meat Saw, Tenderer, and Chopper, of which the following is a specification.

My invention is in the nature of a combined meat saw, tenderer, and chopper, the object being to furnish a single tool which will cost but little, if any, more than the tool for either of these purposes and at the same time will be as efficient in performing its functions as any of the tools with which I am acquainted.

With this object in view my invention consists in a meat-saw provided with a supporting and stretching frame having secured thereto means for chopping or tendering the meat.

My invention further consists in a meat-saw with an improved form of supporting and stretching frame and improved means for attaching the frame to the saw-blade.

My invention further consists in the improved construction, arrangement, and combination of parts hereinafter fully described, and afterward specifically pointed out in the claims.

In order to enable others skilled in the art to which my invention most nearly appertains to make and use the same, I will now proceed to describe its construction and operation, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of a combined meat saw and tenderer constructed in accordance with my invention. Fig. 2 is a similar view, the meat-chopping device being slightly modified in construction. Fig. 3 is a fragmentary detail sectional view transversely through the tenderer and part of the frame, as shown in Fig. 1. Fig. 4 is a fragmentary detail perspective view of one of the ends of the blade supporting and stretching frame. Fig. 5 is a view similar to Fig. 3, taken through the meat-chopper and frame, as shown in Fig. 2. Fig. 6 is a fragmentary detail view illustrating in perspective a portion of the blade and one of the frame-connecting plates.

Like letters of reference mark the same

parts wherever they occur in the different figures of the drawings.

Referring to the drawings by letters, A is the blade of a meat-saw, which may be of any suitable dimensions and of the usual material used for such tools.

B B are the handles of the meat-saw, which are each formed in two parts, substantially as knife-handles are formed, being composed of half-round pieces secured one on each side of the blade by means of bolts or rivets C, which pass through these pieces and through openings in the blade, as at D in Fig. 6.

E is the saw supporting and stretching frame, which may be made of steel or malleable iron of a size to suit the weight or thickness of the blade. This frame is bent into semicircular form and is provided at each end with a slot F to fit over the saw-blade, the outside of the frame at the ends being provided with transverse notches G, and a bolt-hole H being provided in the handle a short distance inside of and in line with the slot F at each end.

I is a metal plate, preferably cast, of which there are two, one at each end of the saw-blade, against the inner ends of the handle, the outer faces of said plates being plain to fit against the inner ends of the handle-pieces. On the inside of each of these plates are formed transverse V-shaped teeth K in number and position to correspond with and engage in the V-shaped transverse slots G G in the ends of the frame E, and near the upper edge of each of these plates is a bolt-hole L, which when the lugs or teeth K engage the notches G will register or coincide with the bolt-hole H in the end of the saw-frame E.

My meat-tenderer consists of a plate M, curved to correspond with the curvature of the frame E and removably secured upon the outer surface of the said frame by means of screws or bolts N, as clearly shown in Figs. 1, 2, 3, and 5. This plate is furnished with any suitable number of rows of teeth O, as shown in Figs. 1 and 3, made preferably integral therewith by casting, the material of the plate and teeth being steel or malleable iron, as desired.

In Fig. 2 I have shown the plate M as provided with longitudinal blades P and P' for

chopping meat, of which blades the outer ones are preferably formed integral with the plate M, while the central blade P' may either be formed integral with the plate M or separate therefrom and secured thereto by means of screws P², as shown most clearly in Fig. 5. The plates I being in position on the blade, the frame E may be placed in position by slipping the slots F over the back of the blade until the bolt-holes H and L and the notches G and teeth K coincide, when these parts may be secured in position by a pin or screw passing through the bolt-holes H and L.

15 In the operation of my invention the saw will be used in the same manner as any ordinary meat-saw, and such use being well known need not be further described.

20 In using the tenderer or chopper the handles will be grasped in both hands and the device reversed, bringing the teeth or blades in contact with the meat, when the teeth or blades are pressed into the meat by rocking the whole structure on the teeth or blades as a fulcrum or rocker.

25 From the foregoing description it will be obvious that the device will be practical and efficient for its designed purpose, there being no obstruction to the use of the saw, and the tenderer or chopper being arranged so that the act of rocking it over the meat will tender or cut the same either crosswise or lengthwise of the grain of the meat, as desired, thus fully accomplishing its intended purposes.

35 While I have illustrated and described the best means now known to me for carrying out my invention, I do not wish to be understood as restricting myself to the exact details of construction shown and described, but hold that any slight changes or variations such as might suggest themselves to the ordinary mechanic will properly fall within the limit and scope of my invention.

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

1. A combined meat saw and tenderer consisting of a blade, handles at each end thereof, plates secured around the blade bearing against the inner ends of the handles and provided with projecting teeth and a bolt-hole, a semicircular supporting and stretching frame having slots in the ends to pass over the saw and being provided with notches and a bolt-hole to coincide with the teeth and the bolt-hole of the plates, and a curved tendering device secured on the outside of the semicircular frame, substantially as described.

2. The combination with a saw-blade provided with notches at each end, of plates upon the saw-blade having flat outer surfaces to engage the inner ends of the handles and a bolt-hole, teeth upon the inner face of said plates, and a semicircular supporting and stretching frame provided with a slot in each end to pass over the saw and a bolt-hole in each end to register with the bolt-holes in the plate to receive securing pins or screws, said frame being provided in the outer surfaces of its ends with notches to engage the teeth on the inner side of the plates, substantially as described.

3. A meat tenderer or chopper consisting of a pair of handles mounted upon the opposite ends of a saw-blade or other strip of metal, in combination with a semicircular, elastic plate, secured at its ends upon the connecting-blade and held against outward movement or straightening by the handles, said curved plate being provided on its outer surface with meat tendering or chopping devices, substantially as described.

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