(No Model.)

W. P. GINTER.

MEAT TENDERER.

No. 448,482. Patented Mar. 17, 1891.

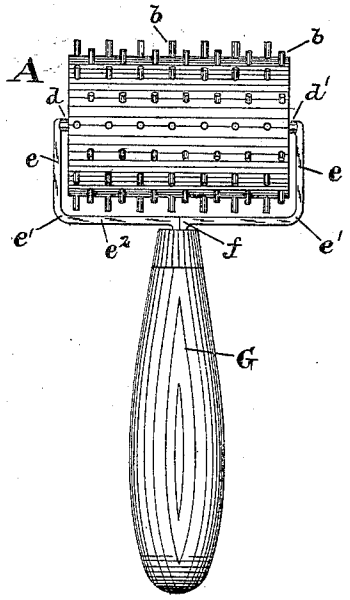


Fig. 1.

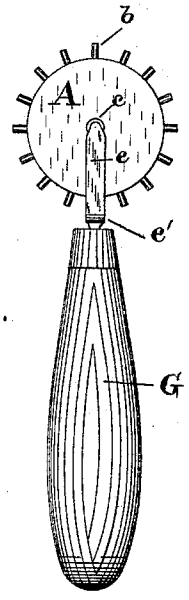


Fig. 2.

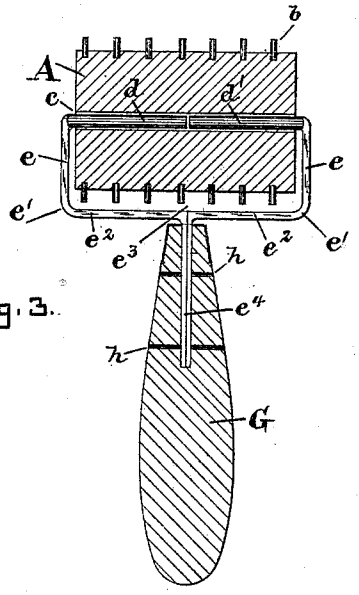


Fig. 3.

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UNITED STATES PATENT OFFICE.

WILLIAM P. GINTER, OF HUGHESVILLE, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO JOHN B. FOX, OF SAME PLACE.

MEAT-TENDERER.

SPECIFICATION forming part of Letters Patent No. 448,482, dated March 17, 1891.

Application filed May 20, 1890. Serial No. 352,484. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM P. GINTER, a citizen of the United States, residing at Hughesville, in the county of Lycoming and State of Pennsylvania, have invented certain new and useful Improvements in Meat-Tenderers, of which the following is a specification.

This invention relates to a device for making steaks of meat tender; and it consists in the construction and combination of the parts, as set forth hereinafter.

Figure 1 is a front view of the device. Fig. 2 is a side view of the device. Fig. 3 is a sectional view of the device.

The letter A designates a metal roller provided on its cylindrical surface with projecting pins *b*. These pins are inserted in the roller, and project therefrom in practice about half an inch. The roller has a central or axial bore *c* entirely through it, and the roller turns free on a suitable shaft. This shaft is made in two parts *d d'*, each of which enters the roller-bore *c* at an opposite end. Each shaft is part of or is attached integrally to a flattened side bar *e*, which is bent at e', and from the said bend projects inward at e^2, parallel with that part of the shaft which is in the bore. These two inward-projecting parts e^2 meet at the center e^3, where both of them again bend at a right angle, as at *f*, so that the two ends e^4 abut against each other side by side and together form a shank, which extends into the end of a handle G. One or more pins *h* pass laterally through the handle and the two shank ends e^4 and retain the parts together. The pins are made of stiff wire cut square on the ends, so as to cut as they press down in the meat. By making the side bars *e e* flat they are stronger than if they were round, without increasing their size or weight, and by providing the roller with the axial perforation or bore and by extending the ends of the shaft to the center thereof a better construction is secured, as the downward pressure on the handle, which would tend to tilt or twist the two-part connection between the handle and roller, is prevented, as the shaft has two points of contact with the roller, one at the end and another at the center. This secures a much stronger connection than if the shafts only contacted with the roller at the ends of the roller or cylinder. The two pieces are also strengthened by making them abut against each other to form the shank, and also by passing the rivets transversely through them and the handle, which thus prevents their twisting or turning in the handle, caused by the handle being located at the middle or center of the roller and the pressure upon the handle connections being applied at the outer ends of the roller.

The manner of using the device will readily be seen.

This construction is simple, cheap, and durable, and enables the roller to be easily mounted or dismounted.

Having described my invention, I claim—

A meat-tenderer comprising a roller A, having a central or axial bore and having pins on its surface, a handle G, a two-part connection between the handle and the roller, consisting of the shaft portions *d* and *d'*, respectively, the flat side-bar portions *e*, the straight portions e^2, parallel with the shaft portions, and the shank portions e^4, abutting against each other, and pins transversely through the shank portions and the handle, the shaft portions of said connection extending to the center of the roller, whereby each portion has two points of contact—viz., at the end of the roller and also at the center—substantially as described.

In testimony whereof I affix my signature in the presence of two witnesses.

WILLIAM P. GINTER.

Witnesses:
JOHN E. MORRIS,
JNO. T. MADDOX.