

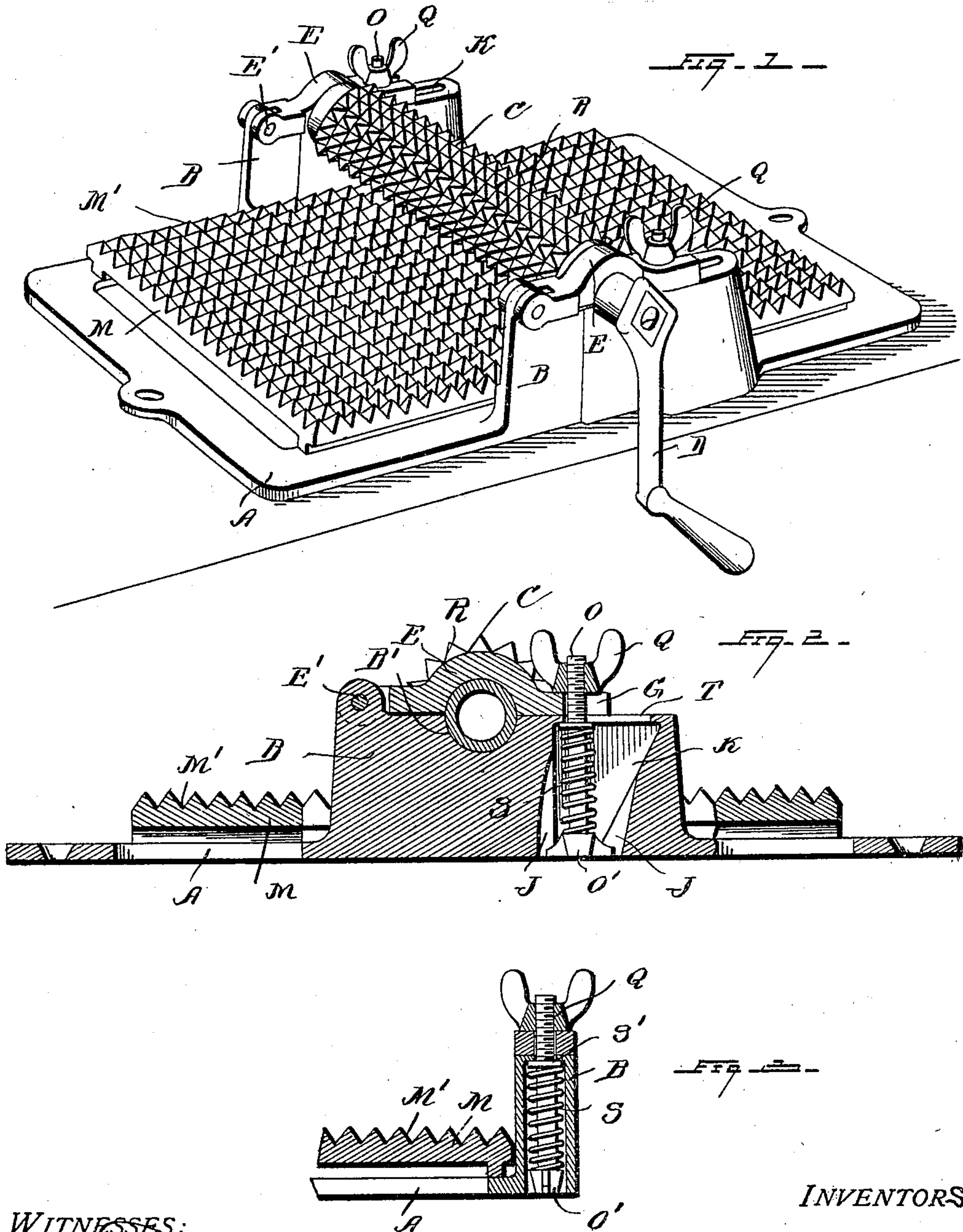
No. 824,319.

PATENTED JUNE 26, 1906.

J. H. TOLEN & D. B. HOSTETTER.

MEAT TENDERER.

APPLICATION FILED SEPT. 28, 1905.



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UNITED STATES PATENT OFFICE.

JAMES H. TOLEN AND DAVID B. HOSTETTER, OF ROACHDALE, INDIANA.

MEAT-TENDERER.

No. 824,319.

Specification of Letters Patent.

Patented June 26, 1906.

Application filed September 28, 1905. Serial No. 280,513.

To all whom it may concern:

Be it known that we, JAMES H. TOLEN and DAVID B. HOSTETTER, citizens of the United States, residing at Roachdale, in the county of Putnam and State of Indiana, have invented certain new and useful Improvements in Meat-Tenderers; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in meat-tenderers; and the object of the invention is to generally improve upon devices of this nature, and comprises, essentially, a rack or frame upon which is mounted a reciprocating plate with a serrated face, between which and a roller, the circumference of which is also serrated, meat is adapted to be passed, the plate being reciprocated by the rotary movement of the roller.

The invention consists, further, in the provision, in a meat-tenderer, of a rack or frame having standards in which a roller is adapted to have suitable bearings and so arranged that the bearing-blocks, which are hinged, may be swung upon their pivots to remove the roller for cleansing and other purposes.

Our invention comprises various details of construction and combinations and arrangements of parts, which will be hereinafter fully described and then specifically defined in the appended claim.

We illustrate our invention in the accompanying drawings, in which—

Figure 1 is a perspective view of our improved meat-tenderer. Fig. 2 is a sectional line vertically through one of the bearings and longitudinally through the frame and plate, and Fig. 3 is a transverse sectional view through one of the standards.

Reference now being had to the details of the drawings by letter, A designates a frame or rack, made preferably of metal and designed to be securely fastened to a table, shelf, or other object, and B B designate standards rising from the opposite edges of said frame. Said standards are recessed at B' to form bearings to receive the shaft or spindle of the roller C, and one end of said shaft is adapted to receive a crank D. E E designate boxing members which are pivoted

at E' to the standards, and each of said members has its free end slotted, as at G, and is recessed upon one face and adapted to form with a recess in the upper edge of the standard a circular outlined bearing for the roller-shaft. K designates an elongated slot which is formed in each of said standards, and the end walls of said slots are preferably inclined, as shown in the sectional view of the drawings, and about the upper marginal edge of each slot is a flange T. O designates a bolt having a head O' with wings thereon, which are designed to engage in the lateral recesses J, formed in the end walls of said slots, whereby the bolt may be prevented from turning. The threaded portion of each bolt is adapted to pass through the upper end of each slot, and over each threaded portion the bifurcated end of a hinged bearing member is adapted to be passed. S designates a coiled spring mounted one upon each of said bolts and has a bearing between a washer S' and the head of a bolt, said washer being designed to bear against the under edges of the flange about the upper margin of said slot, thereby affording means whereby the tension of the roller may be regulated in operating upon slices of meat of different thicknesses.

Q designates a winged nut adapted to be screwed upon the end of a bolt passing through the slot at the end of a bearing member and provided for the purpose of holding the latter securely upon the top of a standard, whereby the roller may be securely held in place.

M designates a metallic plate the upper edge of which is serrated, as at M', and the surface of the roller is also provided with serrations R, which are similar to those upon said plate with which they intermesh, and between which roller and plate the meat to be tendered is passed as the roller is rotated, which imparts a reciprocating movement to said plate.

It will be noted that by the construction of the elongated slot, as shown and described, means is afforded whereby after the nuts upon the bolts passing through said slots are removed or loosened said bolts may be moved longitudinally in the slots in order to free the same and the nuts from the bifurcated ends of the bearing members, whereby the latter may be easily and quickly thrown from over the roller-shaft if it is desired for any purpose to remove the roller.

From the foregoing it will be noted that by the provision of a meat-tenderer embodying the features of our invention means is afforded for quickly adjusting the apparatus 5 for use and so constructed that the roller may be removed for cleansing by merely throwing back the hinged bearing members passing over the shaft.

Having thus fully described our invention, 10 what we claim as new, and desire to secure by Letters Patent, is—

A meat-tenderer, comprising a frame, having fixed standards rising from the opposite edges thereof and forming bearings, a serrated plate mounted upon said frame, a 15 roller with serrated circumference journaled in bearings in said standards and adapted to intermesh with the serrations of said plate, a bearing member hinged to each of said stand-

ards, the latter having elongated slots formed 20 therein with recesses in the inclined ends of said slots, a bolt passing through each of said slots, and having each a head with oppositely-disposed wings engaging said recesses, the threaded end of each bolt passing 25 through a slot in the free end of one of said hinged bearing members, and a nut engaging each bolt and bearing against said member to hold the same in locked relation, as set forth.

In testimony whereof we hereunto affix 30 our signatures in the presence of two witnesses.

JAMES H. TOLEN.
DAVID B. HOSTETTER.

Witnesses:

W. W. EPPERSON,
J. F. YOUNG.