(No Model.)

D. LAPLANTE.

MASHING AND MEAT TENDERING MACHINE.

No. 558,396. Patented Apr. 14, 1896.

Fig. 1

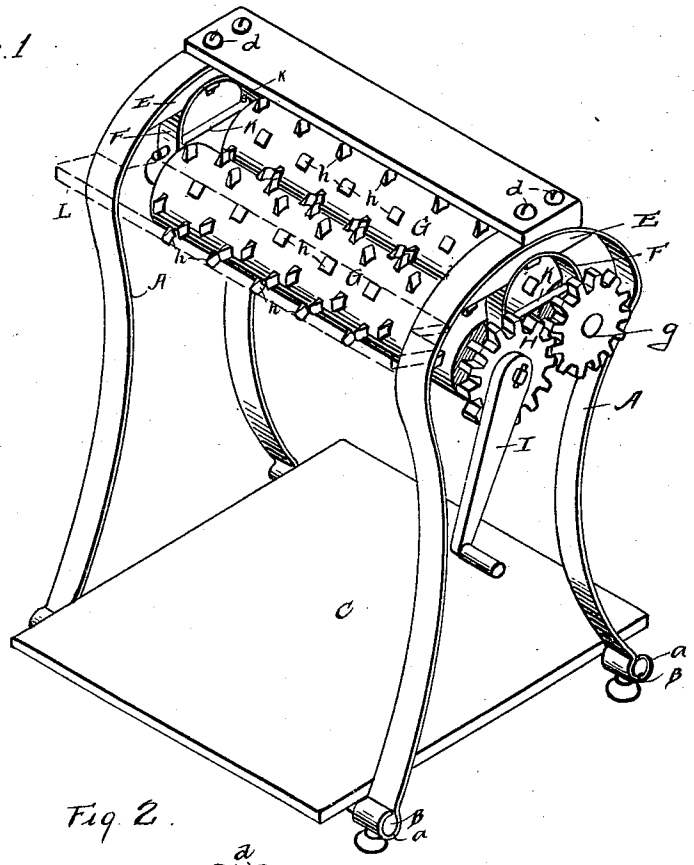
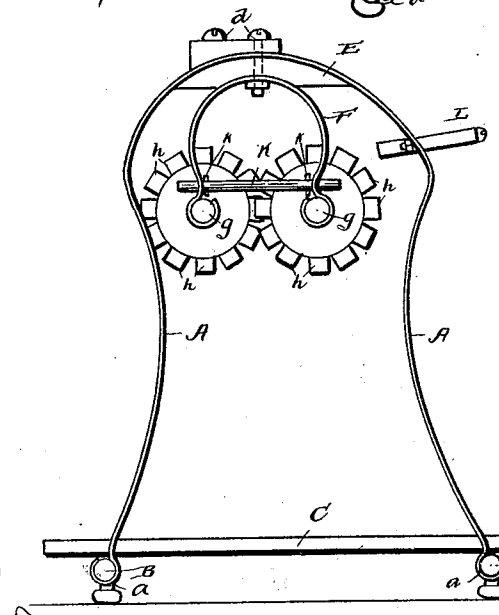


Fig. 2.



WITNESSES

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DAVID LAPLANTE, OF WEST SUPERIOR, WISCONSIN.

MASHING AND MEAT TENDERING MACHINE.

SPECIFICATION forming part of Letters Patent No. 558,396, dated April 14, 1896.

Application filed November 12, 1895. Serial No. 568,716. (No model.)

To all whom it may concern:

Be it known that I, DAVID LAPLANTE, a citizen of the United States, and a resident of West Superior, in the county of Douglas and State of Wisconsin, have invented certain new and useful Improvements in Mashing and Meat Tendering Machines; and I do 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 letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of the machine and is a perspective view, and Fig. 2 is an end view of the machine.

The object of this invention is to provide a meat tendering or mashing machine possessing certain new and useful features; and the invention consists in the novel construction and combination of parts, all as hereinafter described, and pointed out in the appended claim.

Referring to the accompanying drawings, the letters A A designate the two parallel end frames or supports of the machine, which consist each of a single piece of metal bent or cast in the form shown—that is to say, with two symmetrically-curved leg portions united by a convex or bow portion. The lower end portion of each leg is bent to form an approximately cylindrical seat *a*, which supports one end of a transverse bar or rod B. The two parallel rods or bars B thus supported support in turn a table C.

The bow portions of the two frames are connected at the top by a transverse bar or plate D, which is secured by bolts *d*, which also pass through and secure to the under side of the bow portions the curved blocks E. Secured to each of these blocks is a spring F, which is somewhat in the form of an inverted **U**, the free end portions of which are bent outwardly and shaped to form bearings for the shafts *g* of the two parallel mashing or tendering cylinders or rollers G, which are journaled in the same horizontal plane. Said cylinders or rollers consist each of a hard-wood body portion in which are set steel teeth *h*, having broad lateral faces and sharp cutting edges at their ends. The teeth upon the two cylinders or rollers are so disposed with relation to each other that they intermesh or work between each other as the cylinders or rollers are rotated. On one end of each shaft *g* is a pinion H, having deep teeth which mesh with the teeth of a similar pinion on the other of said shafts. One of said shafts is also extended and fitted to receive a crank I.

Connecting the two arms of each spring F, just above the bearings for the shaft G, is a rod or bolt K, which is provided with pins *k* near each end, which form stops to limit the approach of the said arms, and consequently of the cylinders or rollers, toward each other.

L is a table at the front of the machine upon which the meat is laid as it is fed to the rollers or cylinders.

It will be apparent that the springs F will yield to permit the rollers or cylinders to adapt themselves to pieces of meat, such as steaks, of different thicknesses, but that the stop-pins *k* will prevent them from coming sufficiently close together to allow the teeth of one to cut the wood of the other when there is nothing between them.

As the meat is cut it falls onto the table C, or it may be into or onto a suitable receptacle placed upon the said table.

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

In a machine for the purpose described, the end frames or supports having the seats or clips at their lower end portions, the parallel rods or bars supported in the said seats or clips, the lower table supported on the said rods or bars, the inverted-**U**-shaped springs secured to the under side of the upper portions of the said end frames or supports, the parallel rollers or cylinders journaled side by side in the free portions of the said springs, and having cutting-teeth which work between each other, stops for limiting the approach of the said cylinders or rollers, and the feed-table in front of the same, substantially as specified.

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

DAVID LAPLANTE.

Witnesses:

J. MCKENZIE,

VICTOR BONCHER.