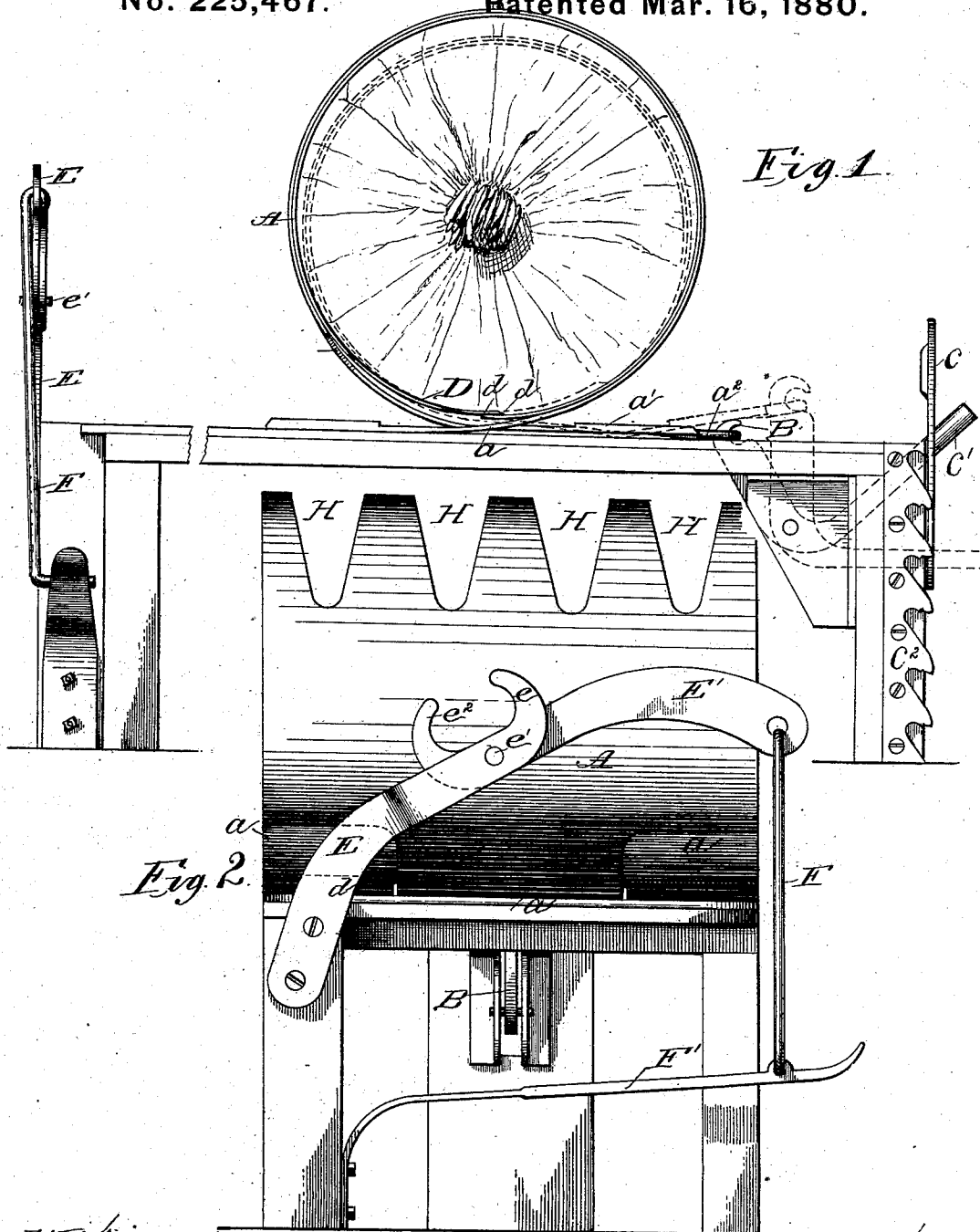


E. DETWILER.
Meat-Packing Device.

No. 225,467.

Patented Mar. 16, 1880.



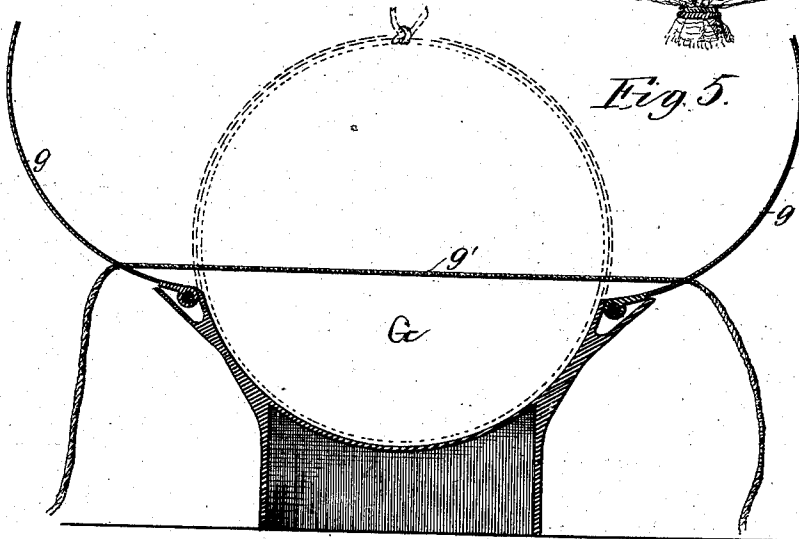
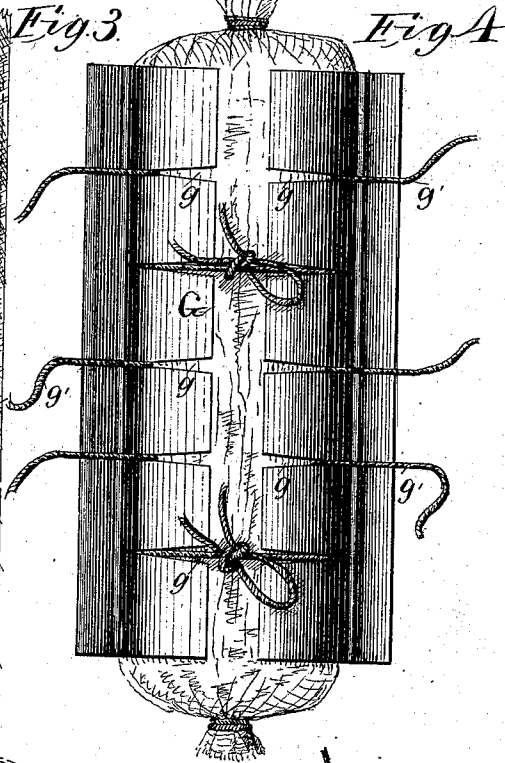
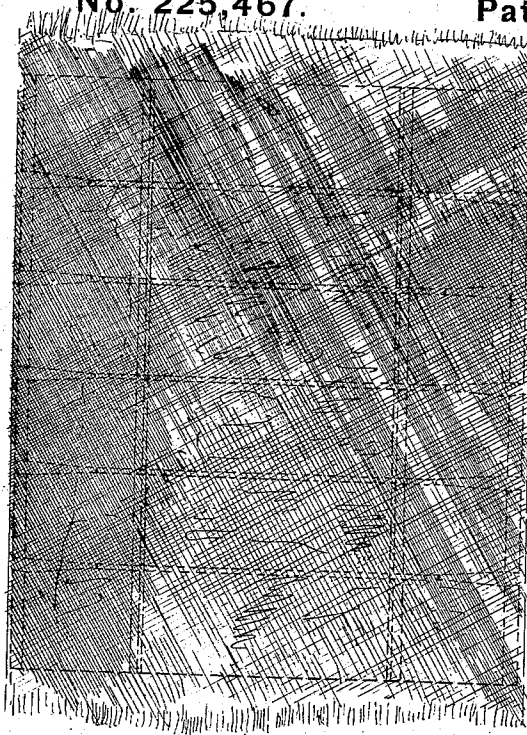
Witnesses:
E. A. Smith.
Charles F. Hunter.

Inventor:
Emanuel Detwiler
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Attorney

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Witnesses

E. L. Collins

Charles F. Hunter

Inventor:

Emanuel Detwiler
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Attorney

UNITED STATES PATENT OFFICE.

EMANUEL DETWILER, OF MILWAUKEE, WISCONSIN.

MEAT-PACKING DEVICE.

SPECIFICATION forming part of Letters Patent No. 225,467, dated March 16, 1880.

Application filed January 30, 1880.

To all whom it may concern:

Be it known that I, EMANUEL DETWILER, of Milwaukee, in the county of Milwaukee, and in the State of Wisconsin, have invented certain new and useful Improvements in Meat-Packing Devices; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to devices for packing meat; and it consists in an apparatus for compressing it, together with a series of manipulations which constitute an improved process, as will hereinafter be described.

In the drawings, Figure 1 is a front view of my device for compressing meat, and Fig. 2 a side view, together with the squeezers for gathering and holding the end edges of the cloth for covering the package as they are being tied up. Fig. 3 is a top view of the former covered with the wrapping-cloth; Fig. 4, a top view of the former closed, and Fig. 5 a cross-section.

A is a band of spring metal, bifurcated at one end, which is attached, by screws passing through the arms *a a* of the bifurcation, to a bench or table. It is provided at its other end with a tongue, *a'*, looped at *a²*, is bent over, and the tongue is passed between the arms *a a* and caught over the hooked end of a bell-crank lever, B, which is operated by another lever, C, the arm *C'* of which engages with the rack *C²*.

D represents an expanding cylinder composed of a band of metal, the edges *d d* of which overlap.

E is one arm of a squeezer, hooked at *e*, and attached either to the table which holds the compressor or to another table or bench. The other arm, *E'*, is pivoted to it at *e'*, and is also hooked, as at *e''*. An arm or rod, F, connects the arm *E'* with a treadle, by which it is operated.

My process of packing meat is as follows: I first put the meat in a cloth and then place them in a former, G, press the sides of the former together until the edges of the cloth meet, pin these edges together, take the bundle out, and, placing the end edges of the cloth in the squeezer, compress and tie them, return the bundle to the former, in the slots *g*

of which I have laid strings *g'*, when, after again pressing it, I tie the strings by a loose knot about the bundle. The bundle is now sufficiently small for insertion into the cylinder D, which is in position in the band A. It is therefore thrust in until the last string comes under the last slot, H, as both the cylinder and expanding band are slotted alike. The strings are now untied, pressure is applied to the lever C, which draws the tongue, compresses the band A about the cylinder D, the edges of which pass each other and permit it to give on all sides, and thus an even pressure is brought to bear on all of the material. The material having now been sufficiently compressed the strings may be retied, when the package is ready for curing. When lumps of meat which have a natural skin are treated the cloth above mentioned will be unnecessary and may be dispensed with, and the strings tied directly about the meat. Instead of the levers B C, a screw or any other device for applying the power may be used.

It will be seen that the slots *g g* in the former G are of gradually-decreasing width, that the cord used to tie up the bundle may be caught and held from one side to the other.

By my invention all of the trimmings heretofore made into sausage may be preserved and be made into boneless pressed meat of superior quality.

I claim—

1. In a meat-packing device, the expanding band, in combination with the expanding cylinder and a lever for drawing the parts together, as set forth.

2. The expanding band having a series of slots, H, in combination with the cylinder B, similarly slotted, a compressing-lever, and a squeezer for drawing the ends of the covering-cloth together while they are being tied, as set forth.

3. In a device for packing meat, the combination of an expanding band and expanding cylinder and a former for giving the initial shape to the material, as set forth.

4. In a device for packing meat, the combination of an expanding band, an expanding cylinder, a squeezer for gathering the end

edges of the covering-cloth, and a former for giving the package its initial shape, as set forth.

5 5. The former constructed with hinged sides having inclined slots, as set forth.

6. The process of packing meat herein described—viz., by shaping it in a former, tying the ends of the cloth with which it is wrapped, then compressing, and finally tying it up with
10 cords passed about it, as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 16th day of January, 1880.

EMANUEL DETWILER.

Witnesses:

JAMES G. FLANDERS,
STANLEY S. STOUT.