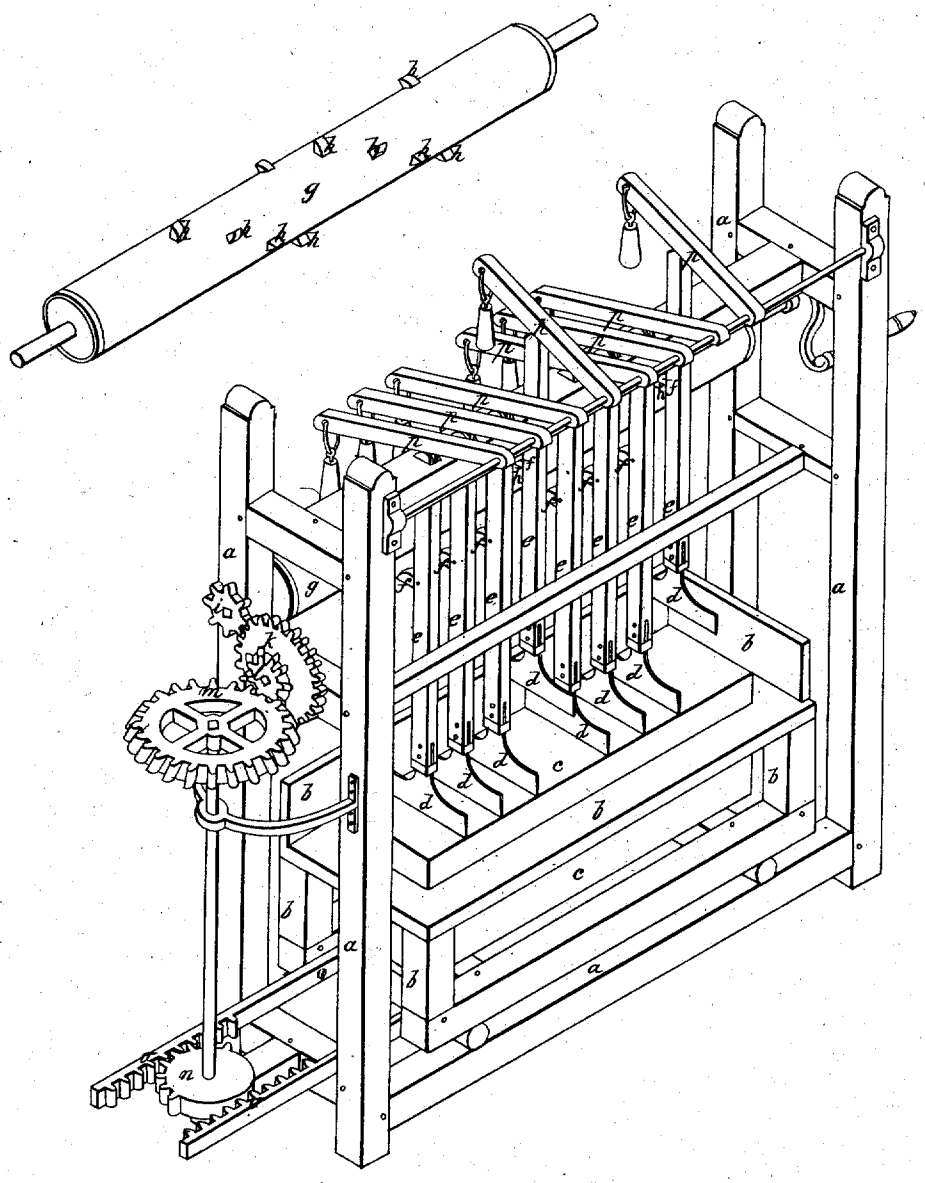
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Bayha & Rapp.

Sausage Cutter.

Patented Apr. 8, 1833.



THE NORRIS PETERS CO., WASHINGTON, D. C.

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Apl. 8, 1833

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Louis Bayha and Frederick Rapp

Letters Patent

The Schedule referred to in these Letters Patent and making part of the same containing a description of the said Louis Bayha and Frederick Rapp's Improvement in the machine for cutting Sausage Meat.

Be it known that we Louis Bayha and Frederick Rapp of Wheeling Ohio County and State of Virginia have made an improvement in the machine for cutting Sausage Meat which is described as follows. This machine consists of a frame which supports the machinery and knives a carriage and block on which the meat is placed and cut. Knives for cutting the meat and the arms and levers by which they are worked. A cylinder containing projections which raise the knives. A cog wheel bevel wheel and pinion which move the rack and carriage and a rack and segment wheel for moving the carriage. The frame is constructed by mortising and tenoning together two sills, four uprights, two girths and two rafters; from the top two arms project to receive the ends of the levers placed over the arms of the knives. also on the top is placed a rail having partitions in it through which the before mentioned levers work. The frame is about 6 feet high 6 feet long and 3 feet wide. The carriage and block. The carriage is about 3 feet long 20 inches wide and 16 inches deep. The sides and ends are movable and can be taken off. At one end of the carriage arms are about 2½ feet long between which is placed the rack and segment wheel to be hereafter described. The block on which the meat is cut is about 4 feet 2 inches long 18 inches wide and 16 inches deep. It is placed upon the carriage and when done can be raised up and is about 4 inches above the sides of the carriage. The carriage with the block

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are placed upon rollers resting on the sills of the frame.

The Knives and arms & Levers for moving them. There may be from four to sixteen Knives more or less. each Knife is about 13 inches long and 6 inches deep made of the best steel with a sharp cutting edge it is fastened by bolts or screws to an arm about 3½ feet in 4 feet long. a pin or projection is fixed on each arm about 2 feet from the knife it is made each to work through an opening in a cross piece. A lever is placed over each arm and knife having a weight on it for giving force to the knife. This lever turns on a pivot placed on the frame. The knife is raised about 8 or 9 inches by the projections on the cylinder to be hereafter described

The cylinder containing the projections or pins which work the knives

The Cylinder extends the length of the frame and about 6 or 8 inches in diameter. It turns or is given motion to by means of a crank. The rows of pegs or pins upon the cylinder in a spiral direction on the inch & ½ will be raised twice at each revolution of the cylinder

& Cog Wheel Bevel Wheel and pinion. which move the rack and carriage by two racks and segment wheel placed between them. A pinion placed on the end of the cylinder turns a cog wheel turning on gudgeons in the frame. This turns a mitre wheel by a bevel wheel fixed on the same axle as the cog wheel. The mitre wheel is fixed on an axle or shaft about 4 feet long. On the lower end of this shaft is a segment cog wheel which works in two racks one on each side and moves the carriage forward and backward

Operation. The meat to be cut is placed on the block in the carriage. motion is given to the cylinder by any convenient power. the pegs on the cylinder give motion to the pinion by raising the arms. the weights on the levers placed over the arms send them down with force. The pinion on the end of the cylinder gives motion to the cog wheel. the bevel wheel with axle gives motion to the mitre wheel. This gives motion to the segment wheel at the lower end of the shaft which works into the racks placed on each side of it alternately which move the carriage

forward and backward, and carry the meat forward. The
Sanction hereclaimed and desired to be secured by Letters Patent
is the before described machine for cutting Sausage meat, further
ultely the cylinder with the pegs or projections placed as specified,
for moving the arms, the levers and weights placed over them
and the segment wheel working the racks that move the arms
forward and backwards. For a further illustration of our
invention we refer to the model and drawing of the same lodged
in the Patent Office — In testimony whereof We have
subscribed our names respective witnesses this 20th day of
March 1833

Wm. McConnell } Witnesses
Andrew Wagner } Witnesses

Louis Bayha
Frederick Rapp

949 words

E.A.
C.H.W.

(Patented April 8. 1833)
(Or en Portfolio)