Aug. 14, 1928. 1,680,286

R. ETTLINGER

FRAME FOR SAUSAGE CASINGS

Filed March 26, 1928

Fig. 3.

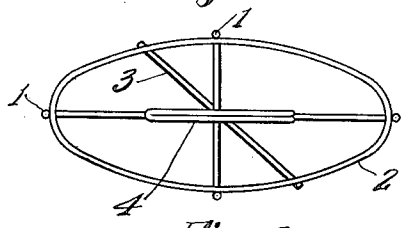


Fig. 2.

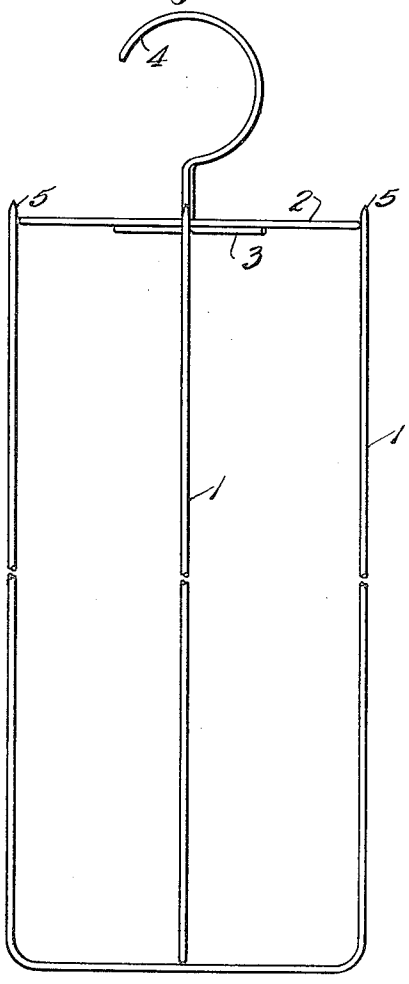
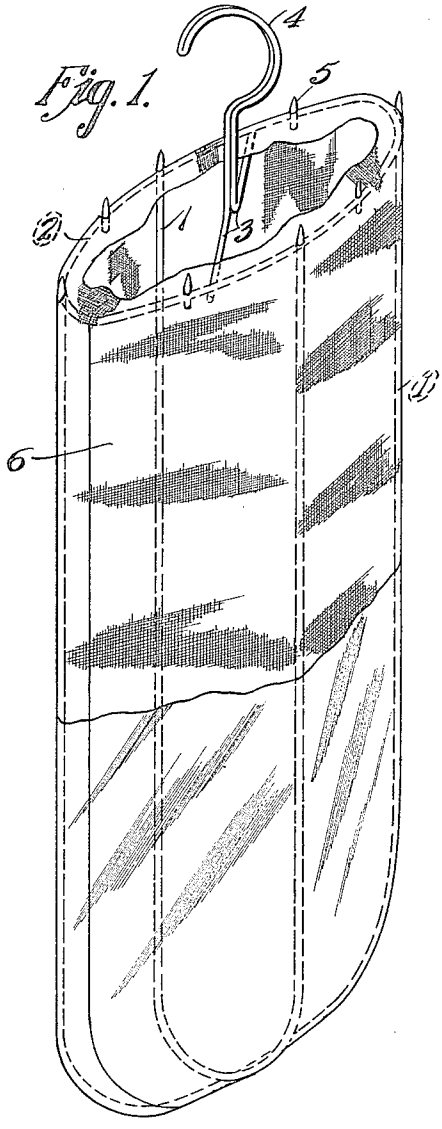


Fig. 1.



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FRAME FOR SAUSAGE CASINGS.

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This invention relates to improvements in frames for stretching fabric sausage casings during the coating operation.

The invention has to do primarily with a wire frame or form which serves to hold the fabric casings in a stretched or extended condition in order that the coating material may be evenly and uniformly distributed upon the fabric.

For the process of coating the fabric with a gelatinous mixture which hardens upon standing or after beng properly treated, as by smoking, reference is made to my co-pending application, Serial No. 237,991, filed December 5, 1927.

Fig. 1 is a perspective view of the frame with the casing shown stretched over the frame.

Fig. 2 is a side view of the frame.

Fig. 3 is a top view of the frame shown in Fig. 2.

Referring to the drawings, the form or frame consists of a plurality of longitudinal wires 1, these wires being preferably bent and connected by spot welding or otherwise at points where the wires cross, thus assuring a rigid construction. At the top of the frame is an oval shaped wire member 2 which is also spot welded to the longitudinal wires, and across the oval member is a spreader 3 into which is bent a hook or hanger 4. Along the top edge of the frame or at intervals on the oval wire 2 are affixed pins or piercing members 5 over which the fabric is drawn to prevent its displacement on the frame during the coating operation. The fabric casing is designated as 6 in Fig. 1 of the drawings.

It has been found that in coating the fabric casings it is essential to stretch the casing on a frame rather than a solid form as the fabric is porous and where a solid form is used the coating material readily passes through the fabric and adheres to the form. This condition is undesirable as the coating material must be spread upon the outer surface of the fabric and prevented from saturating entirely through the fabric, for to do so would affect the meat or sausage filling with which the casings are filled.

It is, of course, obvious that different sizes of frames will be necessary for different types of sausages. Listed below are in general the sizes used for common types of sausage casings:

4″ x 28″ export hog bung.
5″ x 28″ export sow bung.
6″ x 24″ No. 1 beef bung.
8″ x 17″ beef bladder.
9″ x 18″ large beef bladder.

The casings consist of an open-ended, elongated fabric container of relatively open or porous fabric. This container is slipped over the end of the frame and is drawn onto the frame until it completely fills the fabric casing, the upper edges of the casing being pierced by the holding pins 5. These pins rigidly hold the fabric in position while the coating material is spread over the outer surface of the fabric, either by brushing or by dipping. The frames are then hung in a drying room by means of the hanger 4, and are smoked or otherwise treated to harden and fix the coating material on the fabric. The casings are then removed from the frames and filled with sausage meat.

The frame shown in the drawings is constructed of a bent wire and spot welded. While this construction is preferred, it is appreciated that the forms may be constructed of material other than metal, and the spreading elements of the forms fastened otherwise than by spot welding, without departing from the scope or spirit of the invention.

I claim as my invention:

1. A frame for coating sausage casings, comprising longitudinal spreaders for extending the casing during the coating operation, and means along the upper edge of the frame for holding the casing against displacement on the frame.

2. A frame for spreading fabric sausage casings during the coating operation, comprising bent and connected wire members

shaped into a form to fit within the casing and hold the fabric in a stretched condition, and means for holding the fabric casing against displacement on the frame.

3. A frame for stretching sausage casings during the coating operation, comprising a skeleton frame adapted to fit into the casing to hold the same in extended, stretched condition, pointed members on the upper edge of the frame for holding the casing against displacement, and hanging means for supporting the frame during the drying or smoking period.

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