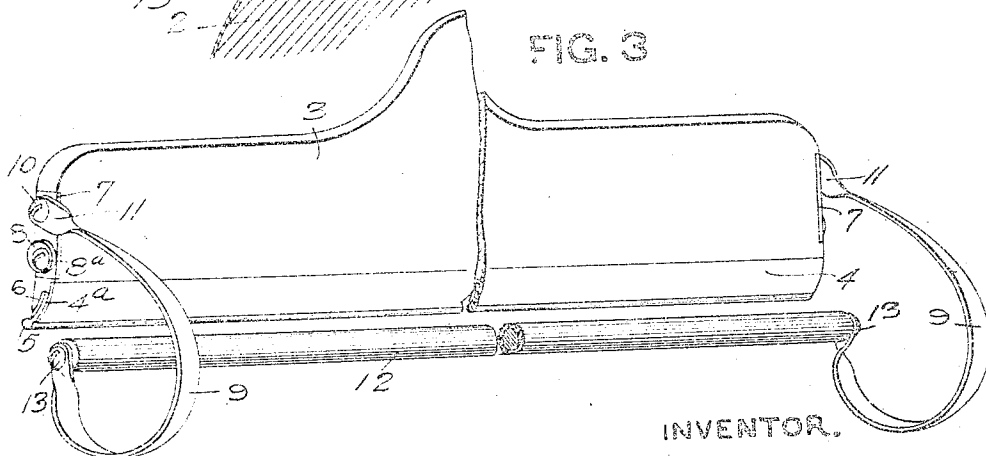
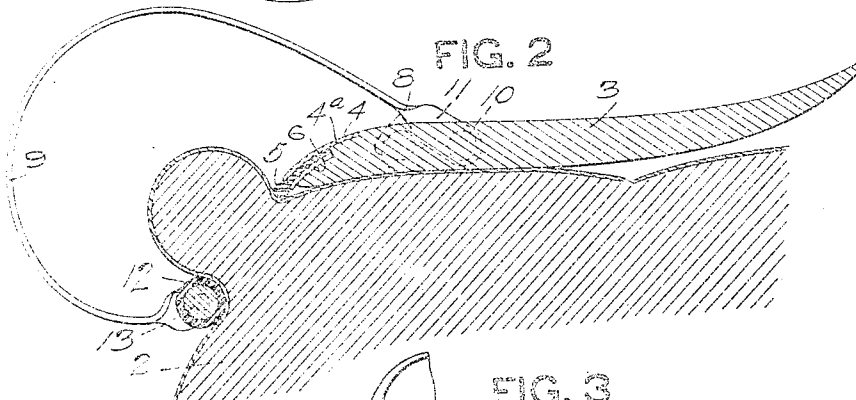
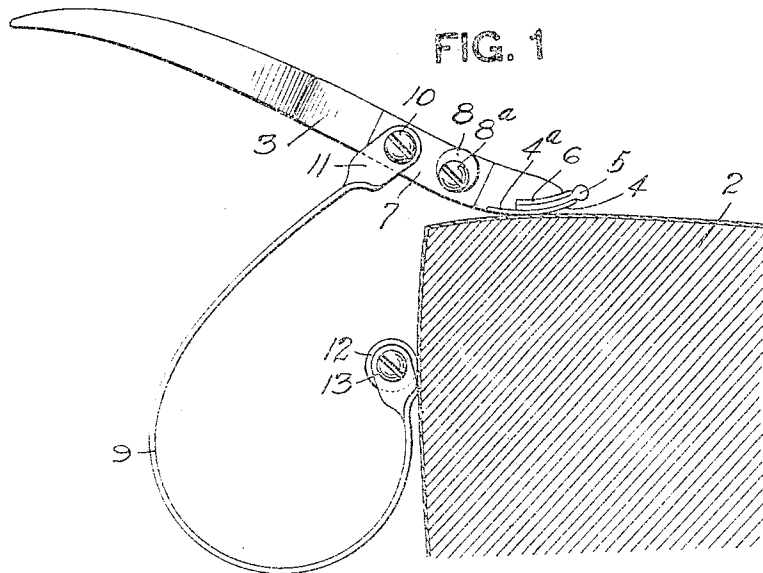


1,056,229.

Patented Mar. 18, 1913.



WITNESSES.

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UNITED STATES PATENT OFFICE.

GEORGE STUBENRAUCH, OF DENVER, COLORADO.

APPARATUS FOR FORMING ROLL EDGES ON MATTRESSES.

1,656,366.

Specification of Letters Patent.

Patented Mar. 18, 1913.

Application filed June 26, 1912. Serial No. 705,966.

To all whom it may concern:

Be it known that I, GEORGE STUBENRAUCH, a citizen of the United States, a resident of Denver, in the county of Denver and State of Colorado, have invented a new and useful Improvement in Apparatus for Forming Roll Edges on Mattresses; and I do hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to apparatus for forming rolled edges on mattresses.

The object of my invention is to provide a simple and efficient form of apparatus for forming rolled edges on mattresses without tearing or puncturing the mattress, and at the same time providing for securely clamping the roll during the sewing operation.

To these ends my invention comprises the novel features hereinafter set forth and claimed.

In the drawing Figure 1 is an end view of my improved apparatus in act of being applied to the mattress; Fig. 2 is a sectional view showing the device in clamping position; and Fig. 3 is a perspective view.

The numeral 2 designates a suitable mattress on which the rolled edge is to be formed.

The numeral 3 designates a plate or bar which may be formed of wood or any other suitable material. The inner or clamping edge of this plate 3 is slightly rounded or curved as indicated at 4 and this edge may be provided with the metal strip 4^a secured thereto by screws or other fastening devices. An edging 5 of rubber or other yielding substance is secured between the strip 4 and an inner metal strip 6. This edging comes in contact with the material of the mattress, and being formed of rubber or like resilient material it does not bite or cut into the material, so as to injure the same, but at the same time the rubber prevents the slipping of the edge portion and so tends to strengthen the hold on the mattress when the roll is formed. At the ends of the plate 3 are the metal inserts 7, and cams 8 are secured to said inserts and the plate 3 by means of screws 8^a. The springs 9 are pivotally connected by the pins 10 at the ends of the plate 3 and the movement of said springs on their pivots is controlled by the cams 8. By releasing the screws 8^a, the cams 8 can be adjusted to different positions to regulate the movement of the spring-arms 9. The flattened portions 11 of said

spring-arms are adapted to engage the cams in the way hereinafter set forth.

The parallel member 12 is secured to the opposite ends of the spring-arms 9, said parallel member being preferably round in section and formed of rubber or other resilient material. This parallel member 12 is secured to the spring arms 9 by the screws or other fastening devices 13.

When the rolled edge on the mattress 2 is to be formed the apparatus is applied to the mattress in the position indicated in Fig. 1 with the parallel member 12 bearing against the side of the mattress and the plate 3 resting with the inner curved edge or strip 4 on the top of the mattress. The operator then turns the plate 3 into the position indicated in Fig. 2 when the edge portion of the top plate will be forced into the body of the mattress and the roll will be formed between said edge portion and the parallel member 12. The springs 9 yield sufficiently to allow for this movement or inverting of the top plate 3. In this manner that portion of the mattress to form the roll is held between the resilient edging 6 of the plate 3 and the resilient parallel member 12, so that there is no liability of the material of the mattress being torn or cut by the clamping action of the apparatus. The movement of the cams 8 act as stops for the springs and control their movement so that the springs can be adjusted according to the hardness of the mattress. In this way, the apparatus grasps sufficient of the cloth and the hair or stuffing of the mattress to produce a roll and the springs act to hold this roll securely in place while the sewing operation takes place.

By my invention, I provide a very simple and efficient form of apparatus for forming a rolled edge on a mattress which is very simple in construction and not liable to get out of order, and at the same time I dispense with any devices for perforating or cutting into the mattress, which weaken the mattress at the edge and is liable to cause tearing at such points.

By my invention, there are two yielding parallel members which grasp sufficient of the mattress to form the roll and the springs act to hold the roll securely when so formed, while at the same time the device can be readily adjusted for working on mattresses of varying hardness or rigidity.

What I claim is:

1. In apparatus for forming rolled edges

on mattresses, the combination of a plate-member, a parallel resilient rounded member, and spring-arms connecting said members, said plate-member being pivotally secured to said spring arms.

2. In apparatus for forming rolled edges on mattresses, the combination of an invertible plate member having a resilient edge portion, a parallel member, and spring arms connecting said members, said plate member being pivotally connected to said spring arms.

3. In apparatus for forming rolled edges on mattresses, the combination of a plate-member, a parallel member, spring-arms connecting said members, said plate-member

being pivotally connected to said spring-arms, and stops on said plate-member in the path of said spring-arms.

4. In apparatus for forming rolled edges on mattresses, the combination of an invertible plate-member, a parallel member, spring-arms connecting said members, said plate-member being pivotally connected to said spring-arms, and cams on said plate-member in the path of said spring-arms.

In testimony whereof, I the said Georg Stubenrauch have hereunto set my hand.

GEORG STUBENRAUCH.

Witnesses:

ALBERT DAHLBERG,
IKE ROSENTHAL.