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PADDING FOR IRONER ROLLS

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Fig. 1

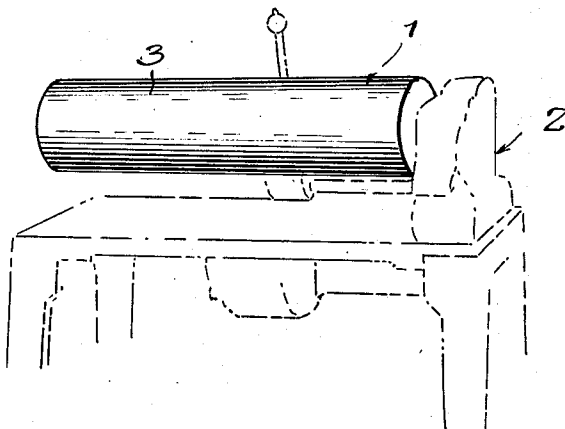
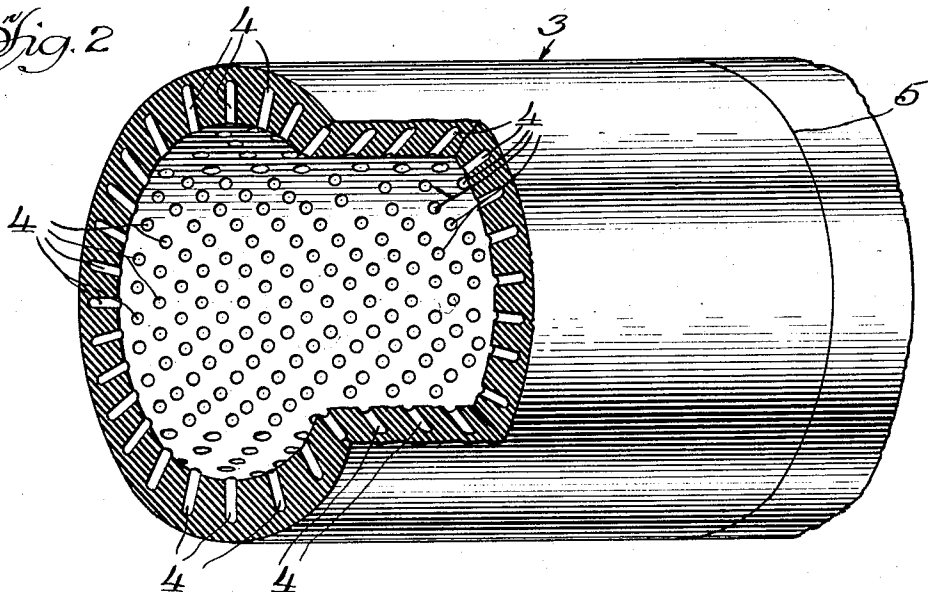


Fig. 2



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PADDING FOR IRONER ROLLS

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4 Claims. (Cl. 38—65)

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The present invention relates to ironer rolls of the type used upon rotary ironers and especially to a novel padding for such rolls.

Among the objects of the present invention is to provide a novel padding for an ironing machine roll comprising a tubular section of resilient material so formed as to give to the roll the desired compressibility and flexibility.

A further object of the present invention is to provide a novel padding for ironing machine rolls of the type used on rotary ironers, the padding being composed of a resilient material such as natural or compounded synthetic rubber containing a multiplicity of substantially circular or tubular recesses on its inner or under surface opening into the interior of the roll but giving a smooth uniform surface to the outer circumference or periphery.

The invention further comprehends a novel padding for an ironer roll composed of a resilient but substantially non-compressible material in which the inner surface is provided with a plurality of relatively closely spaced recesses extending outwardly therefrom to a point spaced from the outer circumference. These recesses are so disposed and of such dimensions as to provide space for the resilient material to move into when the padding is under compression, but in nowise affect the smoothness and uniform contour of the outer circumference.

Further objects are to provide a construction of maximum simplicity, efficiency, economy and ease of assembly and operation, and such further objects, advantages and capabilities as will later more fully appear and are inherently possessed thereby.

The invention further resides in the construction, combination and arrangement of parts illustrated in the accompanying drawing, and while there is shown therein a preferred embodiment, it is to be understood that the same is susceptible of modification and change, and comprehends other details, arrangements of parts, features and constructions without departing from the spirit of the invention.

In the drawing:

Figure 1 is a perspective view of a rotary ironer of the type provided with an ironer roll having mounted thereon the novel padding.

Figure 2 is a fragmentary enlarged view in perspective of the novel padding.

Referring more particularly to the embodiment selected to illustrate the invention in the drawing, the novel invention is shown as applied to an ironing machine roll 1 such as employed on a

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rotary type of ironer 2 in which the roll is adapted to be rotated and moved into contact with an ironer shoe, roll or the like for the ironing operation.

In order to properly perform the ironing operation, the roll is provided with a novel padding 3 comprising a sleeve or tubular section adapted to be slipped over the usual metal sleeve forming the roll support. This novel padding is formed or composed of a resilient material such as natural or compounded synthetic rubber containing a multiplicity of relatively closely and substantially uniformly spaced circular or tubular recesses 4 on its inner circumference or periphery opening inwardly and extending outwardly but only partially through the thickness of the padding. As these recesses do not extend to the outer circumference or periphery of the padding, the exterior operating surface thereof is unaffected and presents a smooth, uniform surface to the clothes to be ironed. This padding is then enclosed within the usual cover 5.

These circular or tubular recesses provide space for the resilient material to move into under compression during the ironing operation. By this construction, the resilient material of which the padding is composed and which is not compressible in the true sense of the word when used in solid form, is given the desired flexibility and compressibility to permit most effective ironing.

Having thus disclosed my invention, I claim:

1. In an ironing machine roll, a padding therefor consisting of a sleeve of resilient rubber and provided with an imperforate outer surface and a plurality of uniformly spaced tubular recesses opening into the interior of the roll and extending partially through the sleeve to allow for compressibility of the padding.

2. In an ironing machine roll, a padding therefor consisting of a tubular section of resilient but normally non-compressible material, and a plurality of substantially tubular recesses uniformly spaced over the inner surface of the roll and extending outwardly to a point spaced from the outer circumference whereby the padding provides an imperforate and smooth outer ironing surface.

3. In an ironing machine roll, a padding therefor consisting of a sleeve of resilient rubber provided with an outer smooth surface and circular recesses uniformly spaced over the inner surface of the sleeve, said recesses opening inwardly and extending from the inner surface but part way through the thickness of the material where-

by the padding provides an imperforate and smooth ironing surface.

4. In an ironing machine roll, a padding therefor comprising a resilient tubular member having a smooth and imperforate outer surface contour and a plurality of tubular recesses uniformly spaced over the inner surface of the roll, said recesses being of a depth less than the thickness of the material so as to extend short of the outer circumference and not affect its outer smooth surface contour.

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