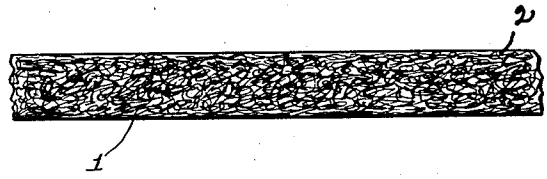
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PRINTER'S BLANKET

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Inventor;-
Theodore E. Knowlton
By Albert G. Robinson Atty.

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PRINTER'S BLANKET

Theodore E. Knowlton, Watertown, N. Y.

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7 Claims. (Cl. 154—54.5)

This invention relates to printers' blankets and method of manufacture, and particularly pertains to blankets which are simple in structure, economical to manufacture, and efficient in use.

The invention consists of the novel methods, combinations and arrangements hereinafter described or claimed for carrying out the above stated objects and such other objects as will hereinafter appear.

Impression cylinders of printing presses are constructed of hard materials, such as metal, and are unyielding under pressure to which they are subjected during printing operations. Accordingly, it is the practice to cover the face of impression cylinders with a printer's blanket of yieldable material to compensate for any inaccuracies of the printing elements in order that an even printing impression may be made over the whole surface of the web or sheet to be printed. Heretofore these printers' blankets have been made from sheets of special composition or construction, such as cork granules mixed with a suitable binder, a canvas, felt or ordinary sheets of paper coated wtih rubber or the like.

The aim of the present invention is to provide a product which possesses the qualities of resiliency, elasticity and toughness, yet is homogeneous in character, whereby same may be durable for a long period of use without separating apart or breaking down.

For a better understanding of the invention, reference may be made to the single figure of drawing which is a sectional view of a printer's blanket embodying the invention.

Numeral 1 designates a fibrous sheet, such as paper or felt composed of wood or cotton pulp, or the like, saturated with a solution 2 of rubber latex which is one specific example typifying any suitable rubber solution; solutions of cellulose derivatives, such as nitro-cellulose, cellulose acetate and others; solutions of gum or natural resins; glue and glycerine; or hydrocarbon oils or asphalts or vegetable oils or combinations of same. A sheet saturated with the materials specified is provided to a marked extent with qualities of pliability, resiliency and toughness, thereby making it of a character especially suited for use as printers' blankets.

A fibrous or fabric sheet, so saturated, is homogeneous in character and structure, having no coating, reenforcement or filling which is separated or apart from any other part of the sheet. Accordingly, there is no one part of the sheet to separate from another during use, and the homogeneous sheet provides a printer's blanket of uniform character over the entire surface of the impression cylinders.

The sheet may be of any desired thickness, and applied in a single layer over the face of the impression roll, or it may be wrapped thereabout in any number of layers to build up the facing to any desired thickness.

Obviously the invention is not restricted to the details of construction herein described and illustrated, and various changes may be made without departing from the spirit thereof.

I claim:

1. A printer's blanket comprising a foundation layer of felted fibrous material completely filled with a saturating means of resilient character whereby the saturated fibrous layer is of homogeneous and uniform resilient character throughout its entire thickness.

2. A printer's blanket comprising a unitary body of felted fibrous material completely filled with a saturating means whereby the saturated body is of homogeneous and uniform character throughout its entire thickness.

3. A printer's blanket comprising a unitary body of felted fibrous material completely filled with a rubber saturating solution whereby the rubber saturated body is of homogeneous and uniform character throughout its entire thickness.

4. A printer's blanket comprising a unitary body of felted fibrous material completely filled with a saturating means of resinous material, whereby the saturated body is of homogeneous and uniform character throughout its entire thickness.

5. A printer's blanket comprising a unitary body of felted fibrous material completely filled with a saturating means of cellulose derivatives, whereby the saturated body is of homogeneous and uniform character throughout its entire thickness.

6. A printer's blanket comprising a unitary body of felted fibrous material completely filled with a saturating means of asphaltic material, whereby the saturated body is of homogeneous and uniform character throughout its entire thickness.

7. A printer's blanket comprising a unitary body of felted fibrous material completely filled with a saturating means of glue-glycerine material, whereby the saturated body is of homogeneous and uniform character throughout its entire thickness.

THEODORE E. KNOWLTON.