

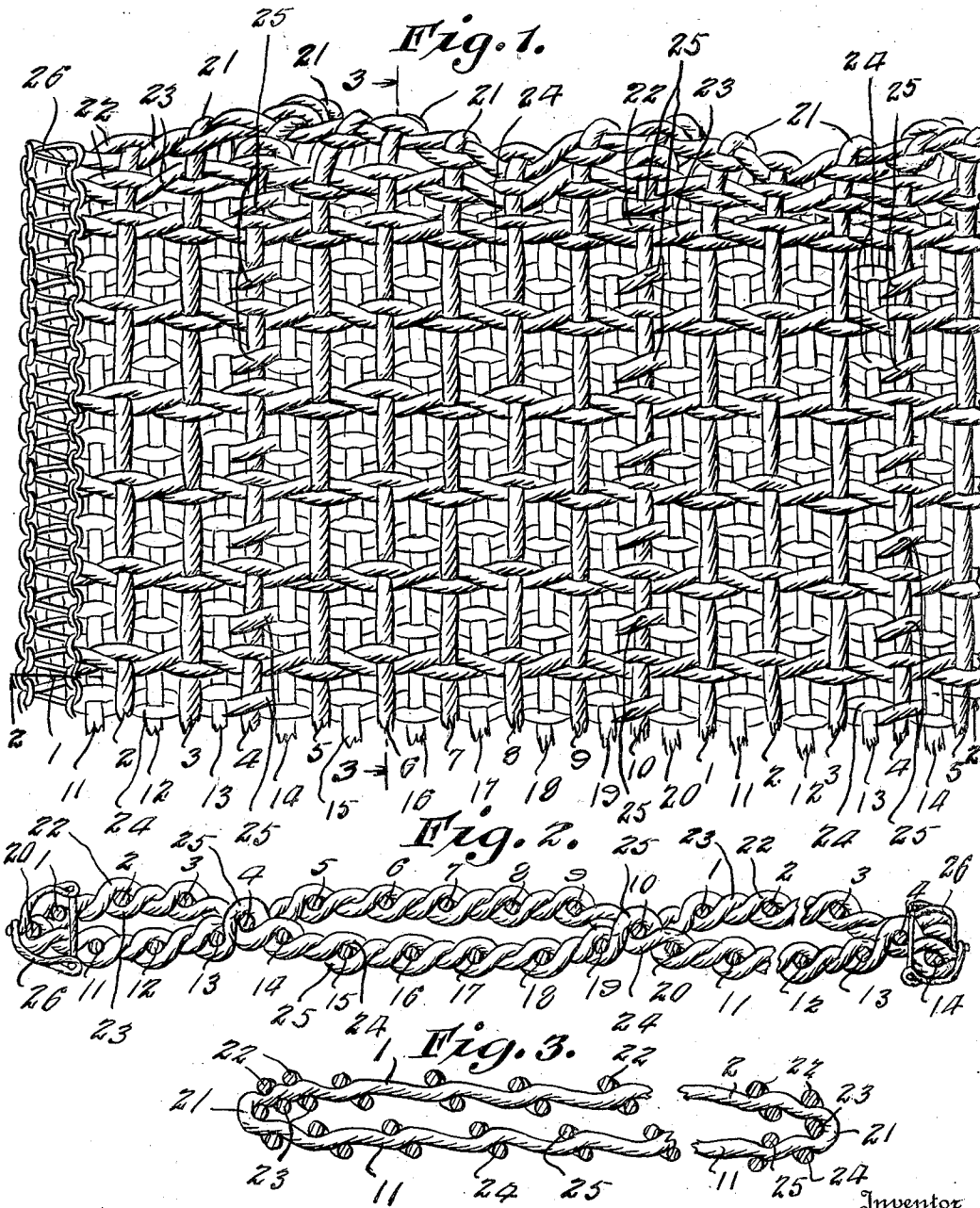
May 11, 1926.

1,584,503

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INTERWOVEN PADDING FOR USE ON IRONING MACHINES

Filed Nov. 3, 1924



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Patented May 11, 1926.

1,584,503

# UNITED STATES PATENT OFFICE.

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## INTERWOVEN PADDING FOR USE ON IRONING MACHINES.

Application filed November 3, 1924. Serial No. 747,525.

The object of my invention is to provide an improved padding for use on flat work ironing machines in laundries, and to utilize a novel process of weaving to produce this padding; and it is an especial object of my invention to provide a padding which will let the steam through quickly, which will last longer than the padding heretofore in use and which will retain its resiliency to a greater extent than knitted padding. I attain these and other objects of my invention by the article and process of weaving same disclosed in the following specification.

Referring to accompanying drawings illustrating a section from a strip of padding woven in accordance with my invention,

Figure 1 is a view of a portion of the padding;

Fig. 2 is a section longitudinally through a strip of the cloth; that is, in the direction in which it is woven, and illustrating the interweaving of the fabric; and

Fig. 3 is a section transversely through the cloth illustrating the tubular weave and in the direction indicated by line 3—3 of Fig. 1.

Like numerals indicate like parts throughout the several views.

Referring to the accompanying drawings, there is illustrated a strip of my improved padding for use on flat work ironers, this fabric being woven in tubular form, as indicated in Fig. 3, with a leno weave, as indicated in Fig. 1. Threads 1 to 10 are woof or filling threads, the threads 4 and 10 being interwoven with the warp threads 24 and 25 of the back of the tubular fabric as well as the warp threads 22 and 23 of the front of the tubular fabric. Threads 11 to 20 are the woof threads of the back or bottom portion of the tubular fabric. Referring to Fig. 1 of the drawings, the numeral 21 indicates the bend of the woof threads forming the edge of the fabric, the tubular form of which is indicated in Fig. 3. I prefer to provide suitable stitching 26 along the edge of the fabric to prevent unravelling.

In producing this fabric I weave a tubular fabric in a leno weave by suitable mechanism similar to that disclosed in my Patent No. 1,493,514, issued May 13, 1924. At spaced intervals I interweave a woof or filling thread into both the front and back portions of the tubular fabric. I prefer to space this interwoven thread at the intervals disclosed in Fig. 1 of my drawings but I may space the interwoven thread at any other suitable interval, or may interweave every filling thread if desired. The padding thus produced is more efficient than knitted paddings heretofore in use both by reason of superior durability and greater facility for the passage of steam through the padding and because it retains its resiliency much longer than the knitted padding.

What I claim is:

1. A process of weaving a padding for use on ironing or other machines, consisting in weaving a fabric in tubular form with a leno weave, and interweaving filling threads into both the front and rear portions of the tubular fabric to produce an interwoven double thickness of fabric.

2. A process of weaving a padding for use on ironing or other machines, consisting in weaving a fabric in tubular form with a leno weave, and interweaving spaced filling threads into both front and rear portions of the tubular fabric, and weaving other filling threads independently in the front and rear portions respectively of the tubular fabric.

3. A woven padding for use on ironing machines consisting of a fabric woven with a leno weave in tubular form, the front and rear portions of the fabric being interwoven.

4. A padding for use on ironing machines comprising a tubular woven fabric, said fabric being woven with a leno weave, certain filling threads of the fabric being interwoven into both the front and rear portions of the tubular fabric at the intervals desired.

BENEDICT M. AULL.