Oct. 13, 1931. L. P. BATSON 1,826,862

LOOM TEMPLE

Filed Nov. 15, 1930

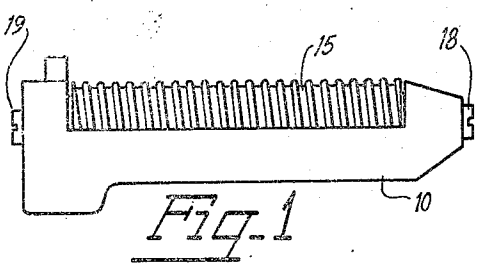


Fig. 1

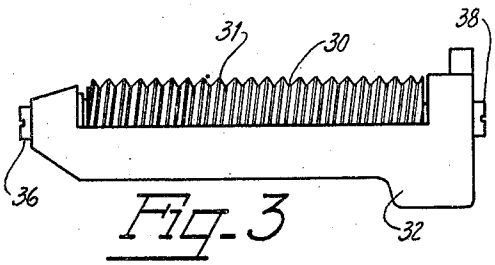


Fig. 3

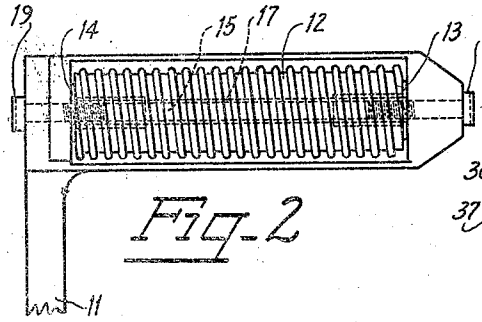


Fig. 2

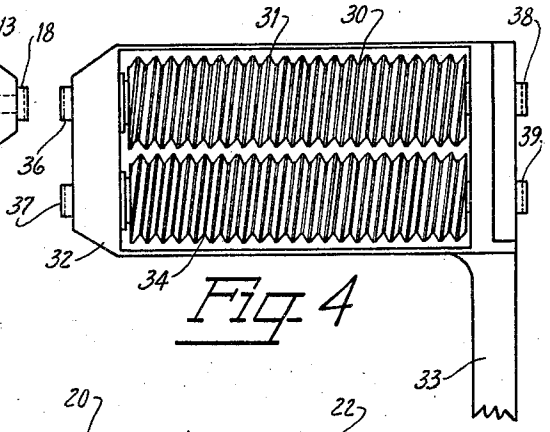


Fig. 4

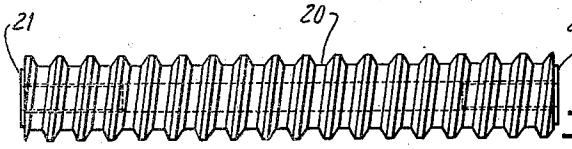


Fig. 5

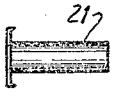


Fig. 8

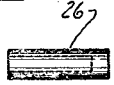


Fig. 9

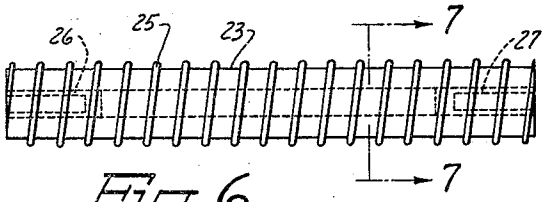


Fig. 6

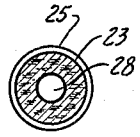


Fig. 7

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LOUIS P. BATSON, OF GREENVILLE, SOUTH CAROLINA

LOOM TEMPLE

Application filed November 15, 1930. Serial No. 495,981.

This invention relates to a loom temple and more especially to a loom temple having the roll, or rolls, therein made entirely of cork, and if desired, with certain spiral surfaces on the roll to stretch the cloth and to feed it outwardly toward the base of the temple.

I am aware that heretofore loom temples have had a covering of cork thereon, but an advantage of a roll made entirely of cork is that it gives the desired resiliency and feel to the cloth to cause the cloth to be gripped thereby to hold the same without injuring the most delicate fabric.

I am also aware that various attempts have been made to provide a roll for loom temples for stretching the cloth, but owing to the fact that the surface of these temples has been made so as to injure the texture of the cloth, this has not proven satisfactory. It is an object of my invention to provide a roll for loom temples made entirely of cork and having a spiral on the surface thereof for gripping the cloth and feeding it outwardly toward the sides of the loom and, thereby, stretching the cloth and preventing it pulling in toward the middle of the loom and causing imperfections in the weaving.

Some of the objects of my invention having been stated, other objects will appear as the description proceeds when taken in connection with the accompanying drawings, in which—

Figure 1 is a side elevation of a portion of a loom temple, equipped with my improved roll;

Figure 2 is a top plan view of Figure 1;

Figure 3 is a side elevation of a portion of a loom temple, equipped with another form of spiral on the cork roll;

Figure 4 is a plan view of a loom temple especially adapted for a silk loom, having two cork rolls mounted therein;

Figure 5 is a side elevation of a modified form of my cork roll;

Figure 6 is another modified form of the spiral on the cork roll;

Figure 8 is a view of a metallic bushing which is adapted to fit into the end of the cork-roll;

Figure 9 is a view of another type of bushing which can either be of impregnated wood or metal as desired.

Referring more specifically to the drawings, the numeral 10 indicates a portion of the housing for the loom temple with the support 11 extending therefrom which support 11 is adapted to be secured to any desired portion of the loom and the edges of the cloth are adapted to be fed through this temple and to tightly engage the roll by having a suitable cover member thereon, which cover member has been omitted for sake of clearness. In Figure 2, I show the roll 12, having the bushings 13 and 14 at outer ends thereof with a bore 15 extending all the way through the roll and a tubular member 17 is adapted to pass through this bore 15, and is threaded on the interior thereof at each and the screws 18 and 19 in the housing 10, are adapted to be secured in the end of this tubular member, and the roll 12 is adapted to rotate on this tubular member. This is one form of mounting the roll and it is quite evident, that if desired, the tubular member can be dispensed with and in lieu thereof the roll 20 which is a modified form of the roll can be equipped with suitable bushings 21 and 22 at the end thereof and suitable pins can penetrate these bushings for rotatably mounting these rolls as it is not necessary that a rod pass entirely therethrough, but for certain types of work it might be necessary to further reinforce the cork roll, due to its tendency to bend, by having a rigid member extending all the way through.

In Figure 6, I show another modified form of a roll 23, which has a different type of spiral thereon which spiral portion is indicated by reference character 25. This roll 23 has bushings 26 and 27 in the end thereof and, of course, this roll also has a bore 28 extending therethrough, as well as the other types of rolls and all of them are shown with the bore extending therethrough, for a suitable re-enforcing member to be passed through the roll, as is conventional.

The roll on the right hand side of the loom will have a left hand spiral thereon for feeding the cloth outwardly and likewise the rolls on the left hand side of the loom will have a

right hand spiral thereon so as to feed the cloth outwardly toward the edges or sides of the loom to keep the cloth in the temples and to keep it stretched tautly as it passes through the temples.

In Figures 3 and 4, I show the preferred form of the spiral and in these figures the roll is indicated by reference character 30 with a spiral 31 thereon and the housing therein is indicated by reference character 32 which also has a support 33 extending therefrom for securing the same to the loom. In Figure 3 is shown a side elevation of the structure shown in Figure 4 and there it is seen that the rolls 31 and 34 are provided and the housing 32 is broad enough to accommodate two rolls for providing a suitable temple for silk looms and the like.

The rolls 31 and 34 are held in position by suitable pins 36, 37, 38 and 39 which are secured in the ends of the rolls in any desired manner, either according to the form shown in Figure 2 or it may penetrate the ends of the rolls in a conventional manner for allowing rotation of the rolls.

In the drawings and specification, I have set forth a preferred embodiment of my invention, and although specific terms are employed, they are used in a generic and descriptive sense only, and not for purposes of limitation, the scope of my invention being set forth in the appended claims.

I claim:

1. A roll for loom temples made of one piece of cork and having a spiral groove cut into the surface thereof.

2. A roll for loom temples made of one piece of cork and having a spiral projection on the surface thereof.

In testimony whereof I affix my signature.

LOUIS P. BATSON.