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OPTIMIZATION OF THE PARAMETERS OF THE AURBAND PROCESS IN THE MANUFACTURE OF WARP THREADS FOR NATIONAL AURB FABRICS

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ABSTRACT

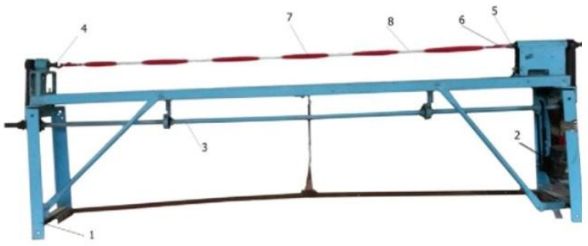
Pullabrs threads is determined In work experimental for libit breakage a under existing and modernized adjuster instrument. As a result, in the process of dyeing aur yarns, dyes not provided for in the application penetrate the bonding areas where the specific density of the wrapping is insufficient. The specific gravity of the winding was measured with a PN-2 device (a device for measuring the density of the winding). Each measurement was repeated five times, and the experimental error did not exceed five percent.

KEYWORDS: *Tossing.TONG-2.PN-2 Device. Experimental.Plots Of Libita*

INTRODUCTION

The main peculiarity of obtaining patterns in auric weaving is that the weaving threads are dyed before weaving, tying the threads of the yarns together. Our research has shown that “Tossing” defect often occurs in tissues. The reason for such a defect is that in the process of tying the libit, due to the inequality of tension created by the tension, different specific densities of the yarns appear at the places of tying the yarn. As a result, in the process of dyeing aur yarns, dyes not provided for in the application penetrate the bonding areas where the specific density of the wrapping is insufficient. Experimental studies were conducted on the APM-3 avrband machine

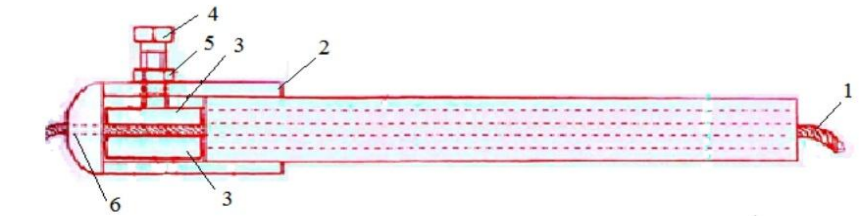
and on this machine model (Picture 1). Along the width of the fill, the trunk tracks, which are fastened to the aurora threads on the avrband machines, are divided into ten sections.



1 - stand; 2 - engine; 3 - middle bullet; 4, 5 - hooks; 6 - rope; 7 - painted area of libit; 8 is the unpainted area of the libit

Pics. 1. Model of emergency vehicle

Pull the aurora the yarns created by the tensioning device were measured with a modernized device to measure the TONG-2 yarn group. The specific gravity of the winding was measured with a PN-2 device (a device for measuring the density of the winding). Each measurement was repeated five times, and the experimental error did not exceed five percent. (Tables 1. and Picture 3) show that existing devices do not provide the same voltage, requiring improvement. In this regard, we have developed a modernized device (Pic. 4) for measuring the tension of the auric thread when tying libit threads.



1 - set of aur threads; 2 - device for combing threads; 3 - leather pillows; 4 - adjusting screw; 5 - nuts; 6 - control eye

Pics. 2. Existing equipment for creating tension of Awr threads for tying libit.

Table 1 shows the results of measuring the winding density with an existing voltage device across the libit sections.

TABLE 1

№ п/п	Plots of libita									
	I	II	III	IV	V	VI	VII	VIII	IX	X

1.	0,7	0,6	0,6	0,5	0,31	0,59	0,4	0,48	0,6	0,7
2.	0,71	0,61	0,6	0,48	0,31	0,6	0,42	0,5	0,59	0,69
3.	0,73	0,6	0,61	0,51	0,28	0,61	0,4	0,51	0,6	0,7
4.	0,68	0,59	0,6	0,5	0,29	0,6	0,41	0,5	0,61	0,71
5.	0,67	0,6	0,6	0,5	0,32	0,6	0,4	0,51	0,6	0,7
6.	0,7	0,61	0,59	051	0,3	0,59	0,41	0,5	0,61	0,68
7.	0,72	0,62	0,6	0,5	0,3	0,6	0,42	0,51	0,6	0,72
8.	0,7	0,59	0,58	0,5	0,31	0,62	0,4	0,5	0,58	0,69
9.	0,7	0,6	0,62	0,51	0,31	0,59	0,38	0,49	0,6	0,7
10.	0,71	0,59	0,6	0,5	0,3	0,6	0,41	0,5	0,62	0,71
ȳ	0,702	0,601	0,6	0,501	0,303	0,6	0,404	0,5	0,62	0,69

The graph of the change in the density of the winding along the sections of the libit is shown in Pic. 2.

Pic. 3. Change the density of libit yellow when connecting livit to an existing tensioner.

1 - set of aur threads; 2 - device for combing threads; 3 - metal gaskets; 4 - adjusting screw; 5 - nuts; 6 - spring; 7 - control eye

Pics. 4. Modern device for creating tension of aurora thread for tying libit (Patent RUz № 00574)

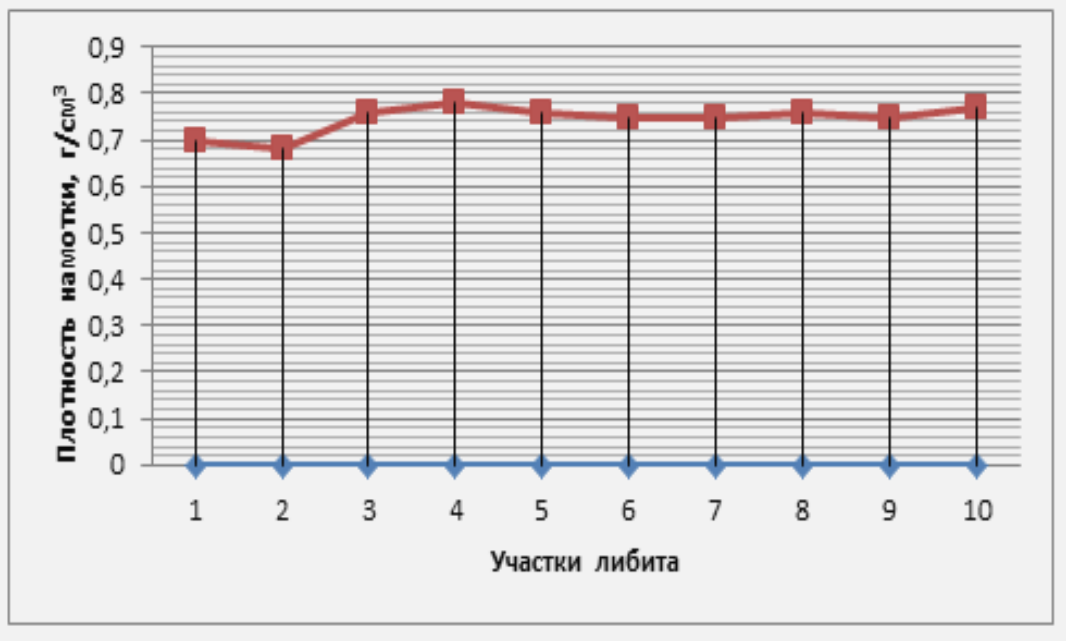
Table 2 shows the results of measuring the winding density along the libit sections with a modernized tension device.

TABLE 2.

№ п/п	Plots of libita									
	I	II	III	IV	V	VI	VII	VIII	IX	X
1.	0,7	0,67	0,74	0,8	0,77	0,75	0,76	0,74	0,74	0,78
2.	0,71	0,7	0,75	0,78	0,75	0,77	0,74	0,76	0,75	0,77
3.	0,69	0,69	0,76	0,78	0,75	0,73	0,76	0,77	0,76	0,77
4.	0,7	0,68	0,75	0,76	0,73	0,76	0,78	0,75	0,77	0,78

5.	0,68	0,66	0,78	0,76	0,75	0,75	0,76	0,78	0,74	0,79
6.	0,71	0,68	0,76	0,8	0,74	0,77	0,78	0,77	0,76	0,75
7.	0,72	0,69	0,75	0,8	0,76	0,72	0,76	0,75	0,73	0,75
8.	0,70	0,68	0,76	0,76	0,75	0,75	0,75	0,76	0,75	0,78
9.	0,68	0,67	0,77	0,78	0,74	0,73	0,76	0,76	0,76	0,75
10.	0,7	0,68	0,75	0,77	0,76	0,75	0,76	0,77	0,77	0,76
Ÿ	0,7	0,68	0,76	0,78	0,75	0,75	0,76	0,76	0,75	0,77

The graph of the change in the density of the winding along the sections of the libit is shown in Pic. 4.



Pic. 5 Ventilation density varies with a modernized clamp

Pics. 5. It can be seen that when using a modernized device, the tension of the aurora rope and the specific gravity of the wrapping along the libit parts are equalized for tying the libit. As a result, stains on Nalejka fabric are eliminated and the quality of national Avra fabrics is improved.

CONCLUSION:

1. A modernized device was developed and experimentally studied to adjust the tension of the aurora rope when tying livit.

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