

No. 650,269.

Patented May 22, 1900.

A. H. ORDWAY.

PROCESS OF TWISTING WOODEN RODS INTO ROPE FORM.

(Application filed Mar. 13, 1900.)

(No Model.)

Fig. 1.

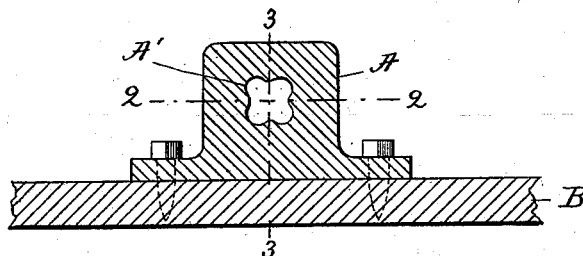


Fig. 2.

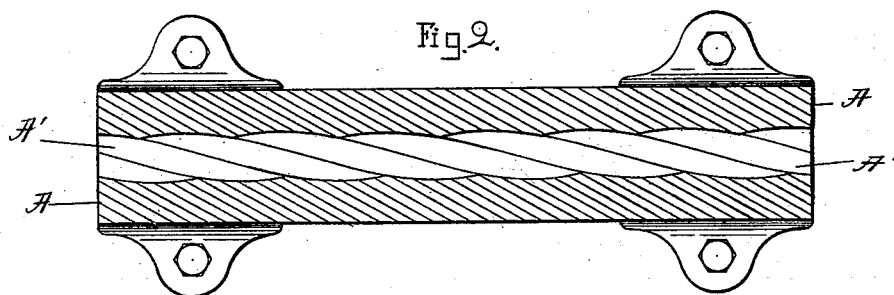


Fig. 3.

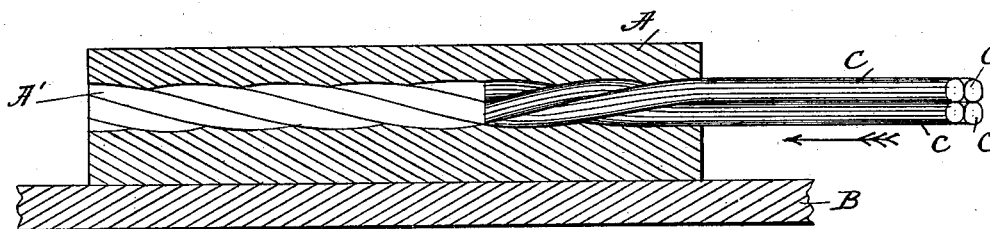


Fig. 4.



Witnesses.

Lairitz, & Möller  
Charles A. Harris

Inventor.

Albert H. Ordway  
by *Alban Hudson*  
his atty.

# UNITED STATES PATENT OFFICE.

ALBERT H. ORDWAY, OF SOUTH FRAMINGHAM, MASSACHUSETTS.

## PROCESS OF TWISTING WOODEN RODS INTO ROPE FORM.

SPECIFICATION forming part of Letters Patent No. 650,269, dated May 22, 1900.

Application filed March 13, 1900. Serial No. 3,520. (No specimens.)

*To all whom it may concern:*

Be it known that I, ALBERT H. ORDWAY, a citizen of the United States, residing at 15 Union avenue, South Framingham, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in Processes for Twisting Wooden Rods into Rope Form, of which the following is a specification.

10 This invention relates to an improved process for twisting wood or ratan rods or strands into rope form; and it consists in forcing two or more such wood or ratan rods while in a green, steamed, or moist condition into a  
15 twister-block having a longitudinal twister-bore corresponding in shape to the form to be given to the twisted rope. The strands or bars thus twisted into rope form by being forced into the twister-block are allowed to  
20 remain in the latter until they are dry and set, when they will be removed from said twister-block. Instead of retaining such twisted strands in the original twister-block until dry they may to equal advantage be  
25 forced through such twister-block into a similar auxiliary spirally-bored block, which may be removed from the twister-block and put away with the twisted rope contained therein until the rope is dry and set, after which  
30 the now-finished rope may be removed from such auxiliary block, thereby facilitating the working of the process.

In carrying out my improved process I prefer to make use of a device as represented in the accompanying drawings, in which—

35 Figure 1 represents a cross-section of the twister-block. Fig. 2 represents a horizontal section on the line 2 2, shown in Fig. 1. Fig. 3 represents a vertical section on the line 3 3 in Fig. 1, showing the wood or ratan strands partially forced into the twister-block; and Fig. 4 represents a side elevation of the finished wood or ratan rope.

45 Similar letters refer to similar parts wherever they occur on the different parts of the drawings.

A in the drawings represents the twister-block, which may be secured to a base or table B or other suitable support. Through the block A is made a longitudinal twisted bore or perforation A', into which the green, moist, or steamed wood or ratan rods or strands C C C C, two or more, are forced during the twisting operation, and while being so forced into the said twisted bore the strands or bars are caused to be twisted into rope form, as shown in Fig. 4. I do not wish to confine myself to any particular mechanism, machine, or tool for forcing said strands into or through the said twister-block, as this may be accomplished by any well-known mechanism without departing from the essence of my invention.

I am aware that a single wood bar has been twisted by forcing it through a twister-die having a longitudinal spiral perforation, and I am also aware that wood or ratan rods have been twisted into rope form by spinning the strands similar to the manner of spinning hemp or fibrous or textile ropes, and I wish to state that I do not claim such devices or processes as my present invention; but

What I wish to secure by Letters Patent and claim is—

The herein-described process of twisting a series of wood or ratan bars or strands into rope form, consisting in forcing such bars or strands, while green, steamed or moist, into a twister-block having a longitudinal twister bore or perforation and allowing such twisted rope to set and dry, substantially as and for the purpose set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ALBERT H. ORDWAY.

Witnesses:

ALBAN ANDRÉN,  
LAURITZ N. MÖLLER.