

No. 637,652.

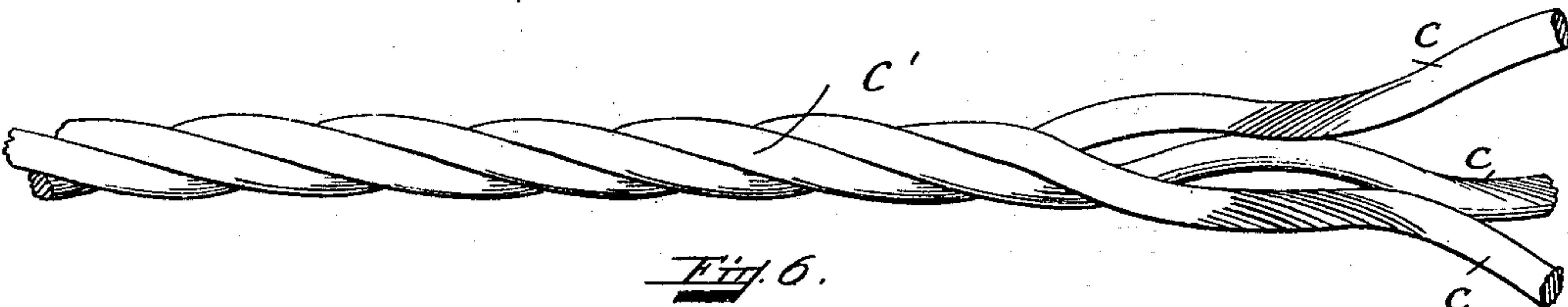
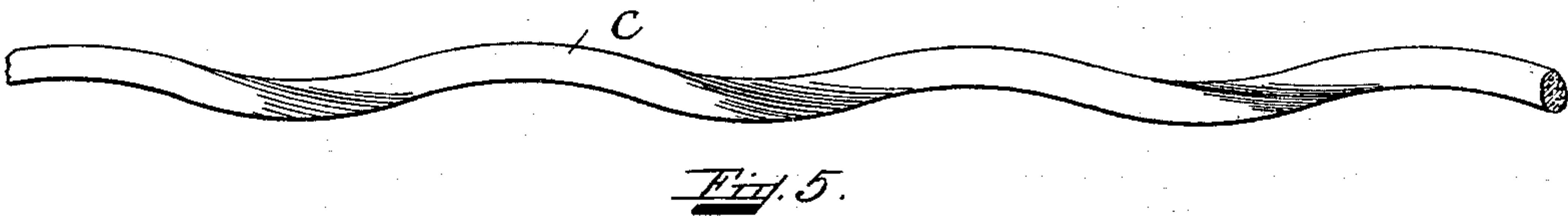
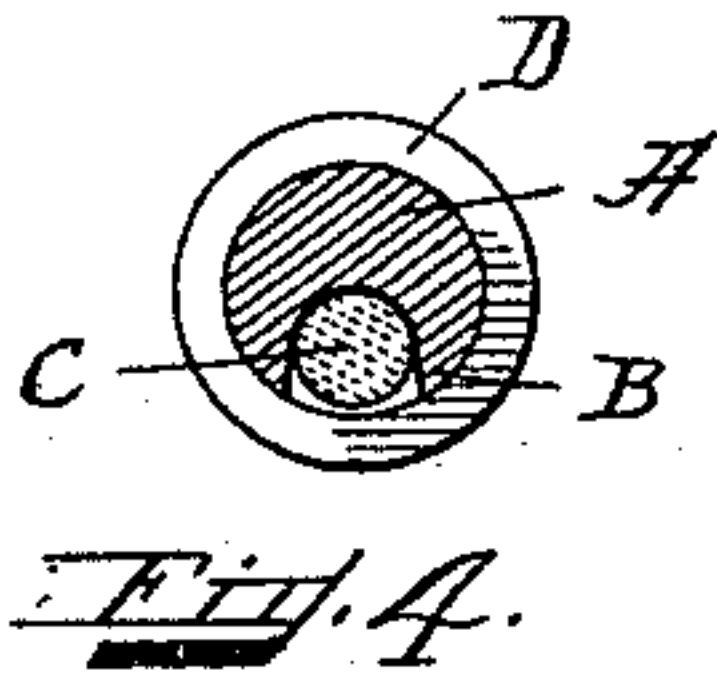
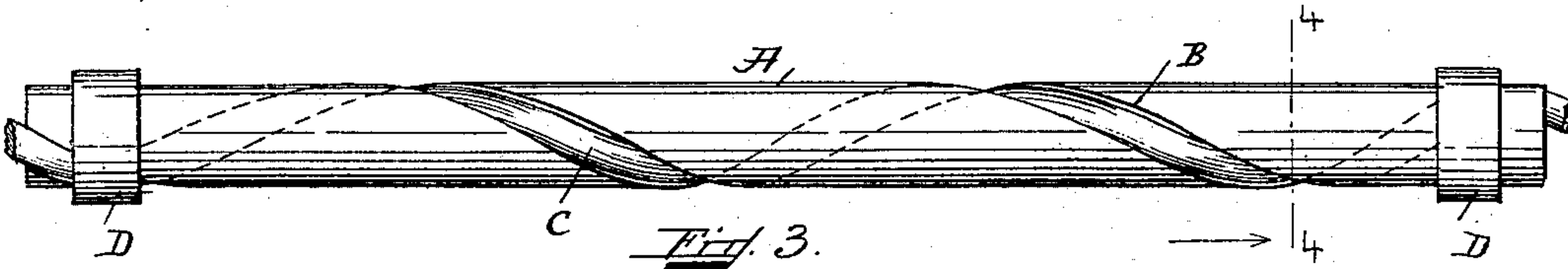
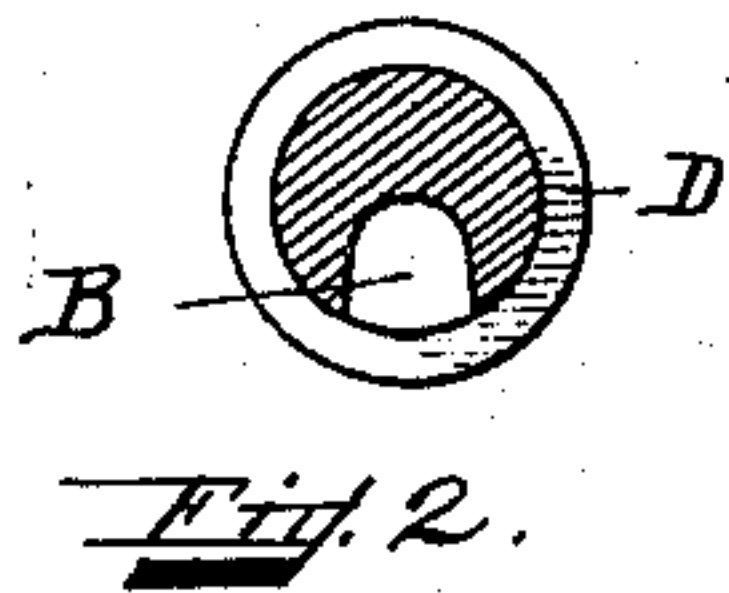
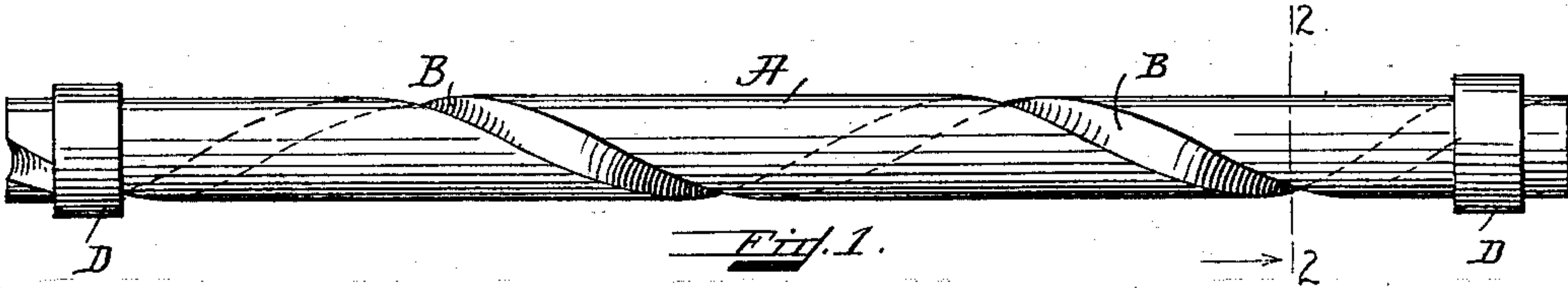
Patented Nov. 21, 1899.

A. H. ORDWAY.

WOOD OR RATAN TWISTING OR SHAPING DEVICE.

(Application filed June 26, 1899.)

No Model.)



Witnesses:
Henry D. Fry
Samuel J. Laddock

Inventor:
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UNITED STATES PATENT OFFICE.

ALBERT H. ORDWAY, OF SOUTH FRAMINGHAM, MASSACHUSETTS.

WOOD OR RATAN TWISTING OR SHAPING DEVICE.

SPECIFICATION forming part of Letters Patent No. 637,652, dated November 21, 1899.

Application filed June 26, 1899. Serial No. 721,861. (No model.)

To all whom it may concern:

Be it known that I, ALBERT H. ORDWAY, a citizen of the United States, residing at South Framingham, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in Wood or Ratan Twisting or Shaping Devices, of which the following is a specification.

This invention relates to an improved wood or ratan twisting or shaping device; and it has for its object to spirally twist or shape wood or ratan strands or rods adapted for use in the art of making furniture, for interior decorative purposes, &c., as will hereinafter be more fully shown and described, reference being had to the accompanying drawings, wherein—

Figure 1 represents a side elevation of the spirally-grooved metal rod used for twisting or shaping the wood or ratan strands or rods. Fig. 2 represents a cross-section on the line 2 2, shown in Fig. 1. Fig. 3 represents a side elevation of said spirally-grooved metal rod, showing the ratan or wooden rod or strand placed in the spiral groove thereon during the twisting or shaping operation. Fig. 4 represents a cross-section on the line 4 4, shown in Fig. 3. Fig. 5 represents a side view of one of the twisted or shaped wood or ratan rods or strands after being shaped or twisted, and Fig. 6 represents a side elevation of a wood or ratan rope or coil comprised of two or more of the twisted or shaped wood or ratan rods or strands.

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

For the purpose of twisting or shaping ratan or wooden rods or strands I make use of a cylindrical metal spindle A, of any suitable length and thickness. The said metal spindle has on its periphery a spiral groove B, adapted to receive the wood or ratan rod or strand C that is to be shaped or twisted.

In carrying out the operation of shaping or twisting the wood or ratan rods or strands I take them in a pliable form, either green or steamed, and place each of such in the spiral groove B on the metal spindle A and confine its ends in position on said spindle A, preferably by means of rings or clamps D D, as shown in Figs. 1 and 3, after which the wood or ratan rod or strand C is allowed to remain in position on said spirally-grooved spindle until dry, when it is removed and caused to retain the shaped or twisted shape, as shown

in Fig. 5. As shown most clearly in Figs. 1 to 4 of the drawings, the spiral groove B is U-shaped in cross-section and is of such depth that when the ratan rod or strand C is arranged in the groove said rod or strand wholly lies within the groove in such manner that it will not project beyond the periphery of the spindle A. By thus forming the groove the rings D may be moved longitudinally on the spindle when the ratan is in place in the groove to clamp and unclamp the ratan rod or strand. Such twisted or shaped rods or strands may be used singly in the art of making furniture, for interior decorations, or for other purposes to which they may be applicable. Two or more of such twisted or shaped rods or strands may, if so desired, be united or connected together in the form of a rope or spirally-wound rod C', as shown in Fig. 6, and this is accomplished simply by twisting or laying the previously-shaped strands together in a spiral form, in which position they will be retained and, as it were, locked together by reason of the original twisting or shaping operation given to the individual rods or strands, as above set forth.

Having thus fully described the nature, construction, and operation of my invention, I wish to secure by Letters Patent and claim—

1. The herein-described device for shaping wood or ratan rods, consisting of a cylindrical spindle having a spirally-grooved periphery and rings arranged and longitudinally movable on the opposite ends of said spindle for engaging the ends of the wood or ratan rod and holding it in place in the groove, substantially as described.

2. The herein-described device for shaping wood or ratan rods, consisting of an elongated cylindrical spindle having a spirally-grooved periphery, said spiral groove being U-shaped in cross-section and of such relative depth and width as to wholly receive a ratan rod fitted therein, and the convolutions of said groove being long drawn out or widely separated from one another, and rings arranged and longitudinally movable on the opposite ends of said spindle, substantially as described.

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

ALBERT H. ORDWAY.

Witnesses:

ALBAN ANDRÉN,
MARGARET E. DALEY.