

(No Model.)

M. F. HAYES.
CLOTHES LINE CLAMP.

No. 412,749.

Patented Oct. 15, 1889.

Fig. I.

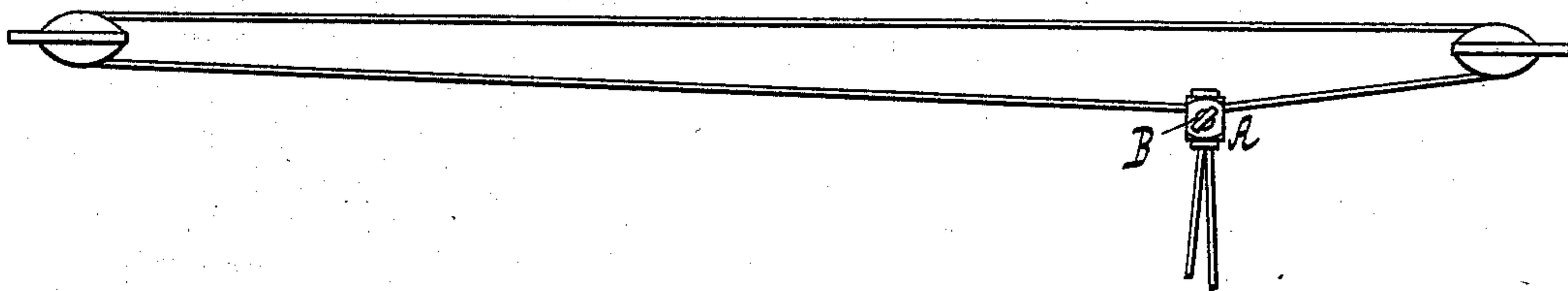


Fig. III.

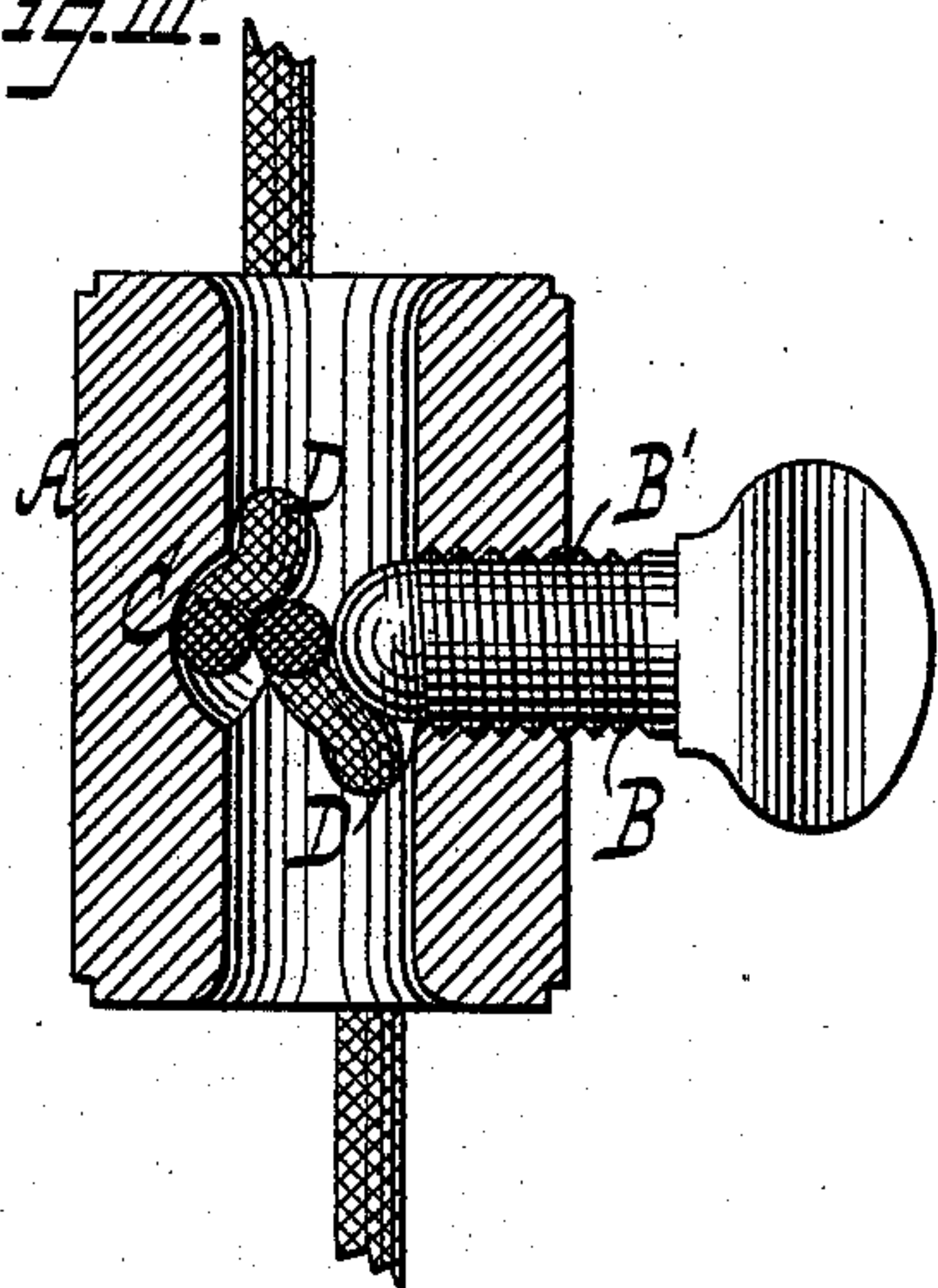


Fig. II.

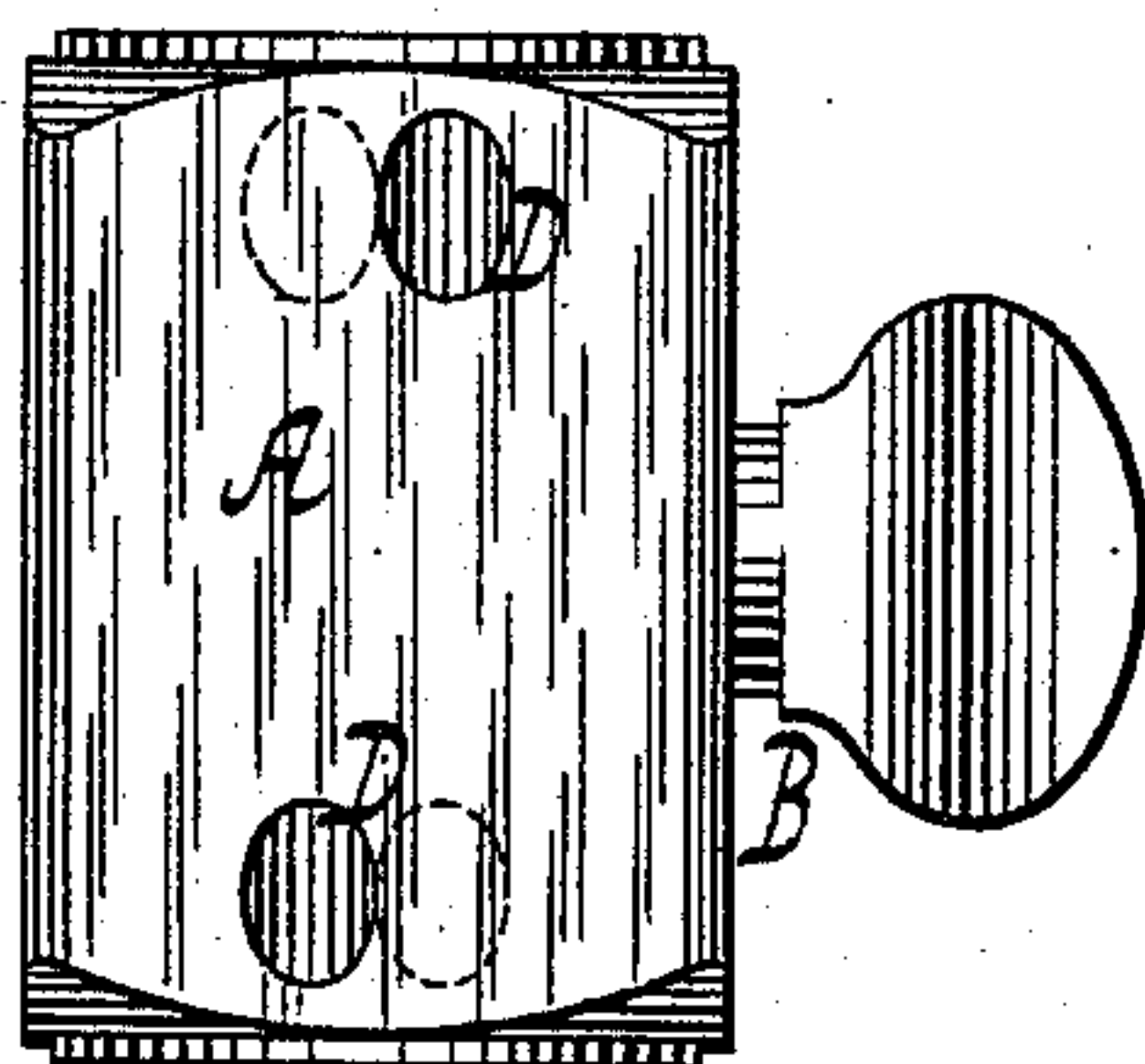


Fig. IV.

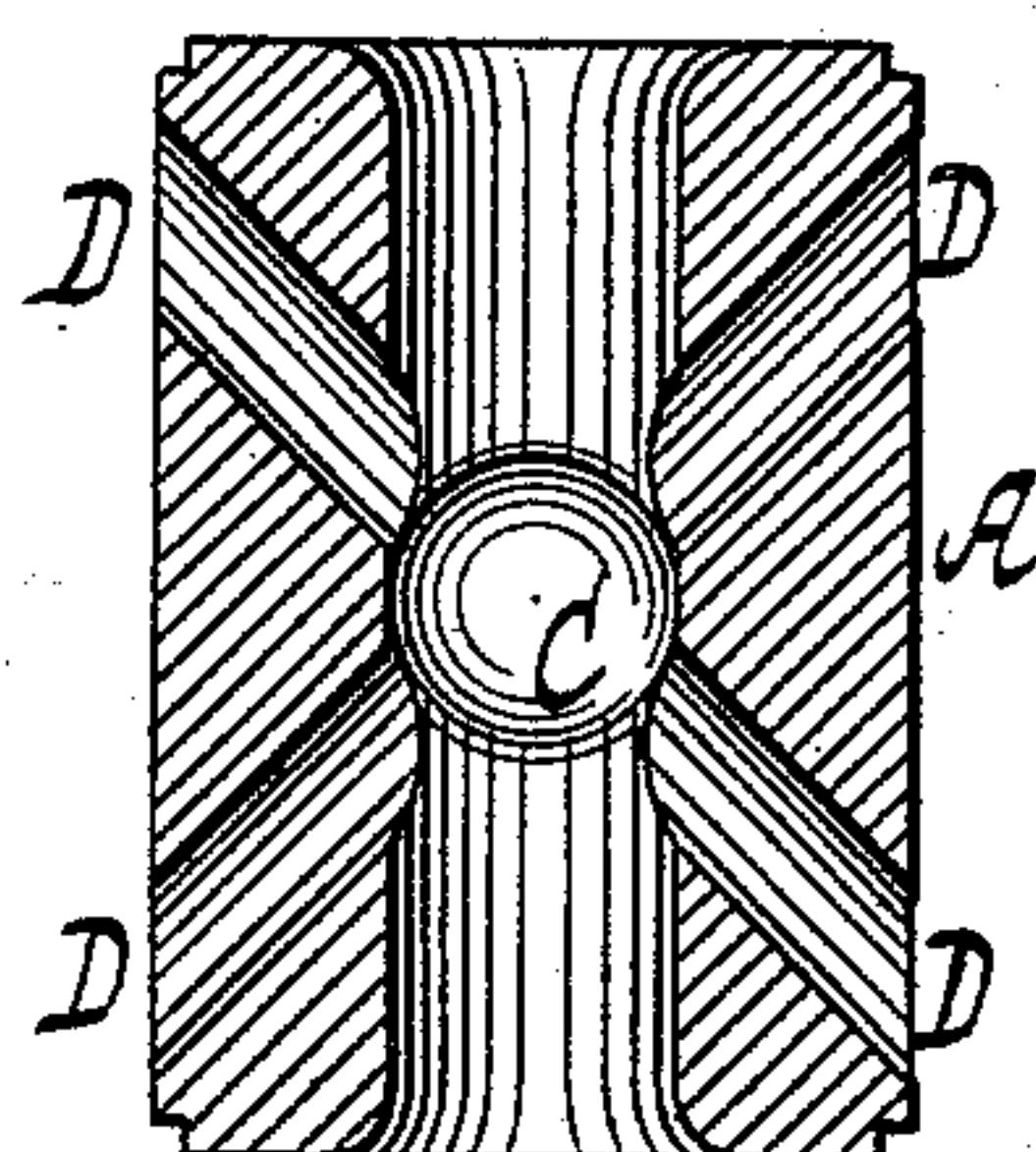


Fig. V.

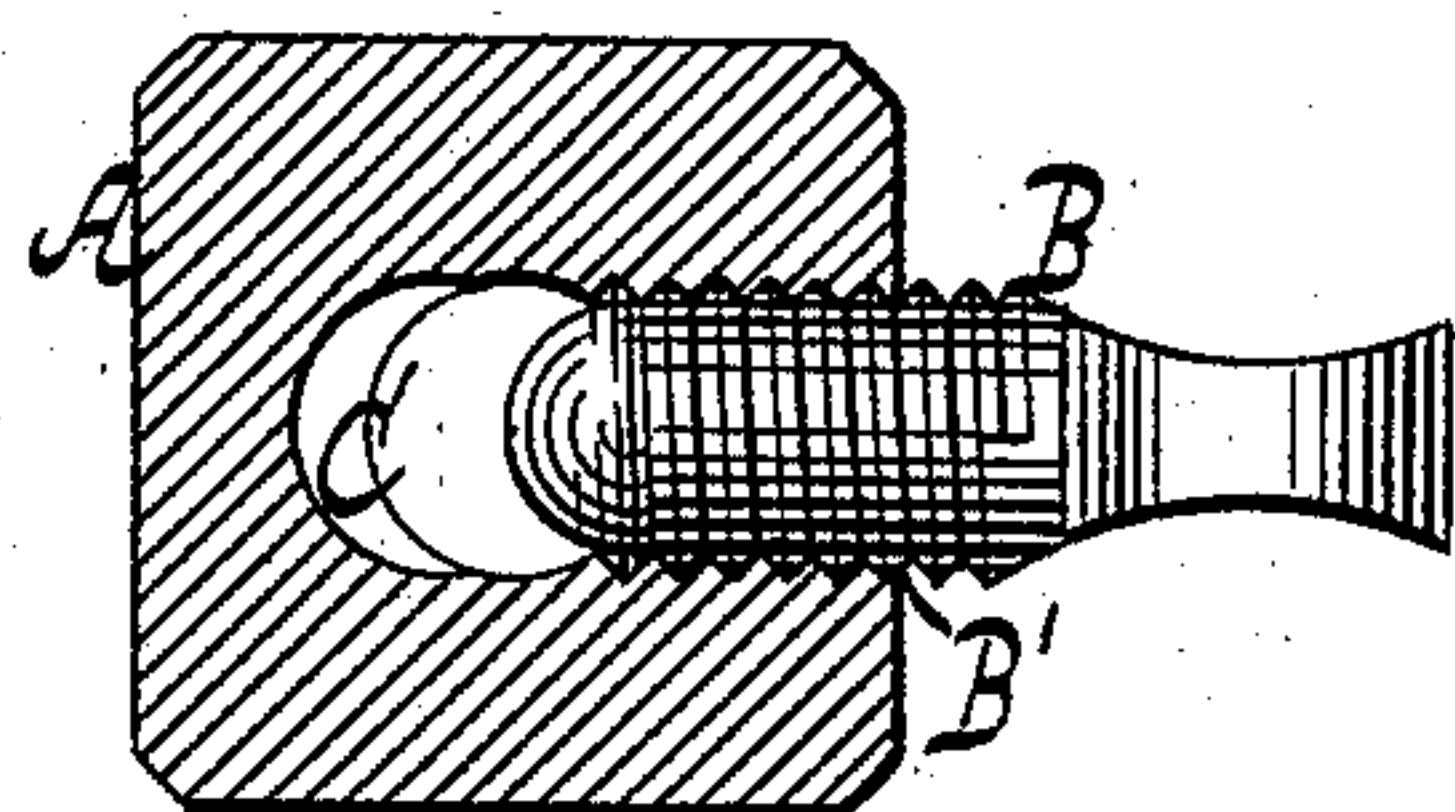


Fig. VI.

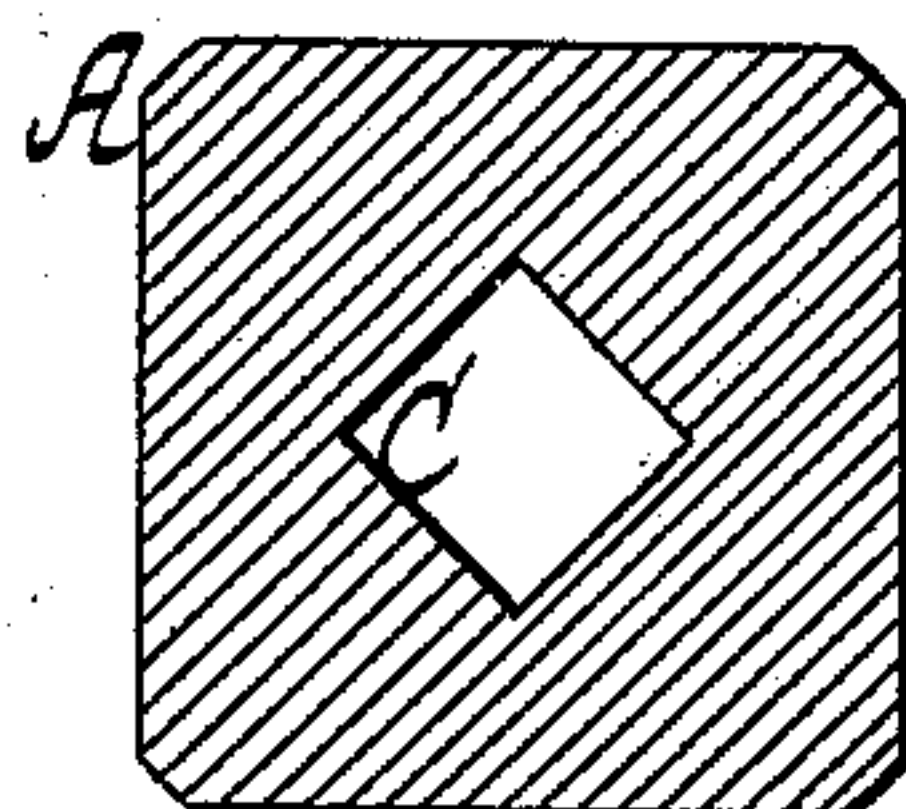
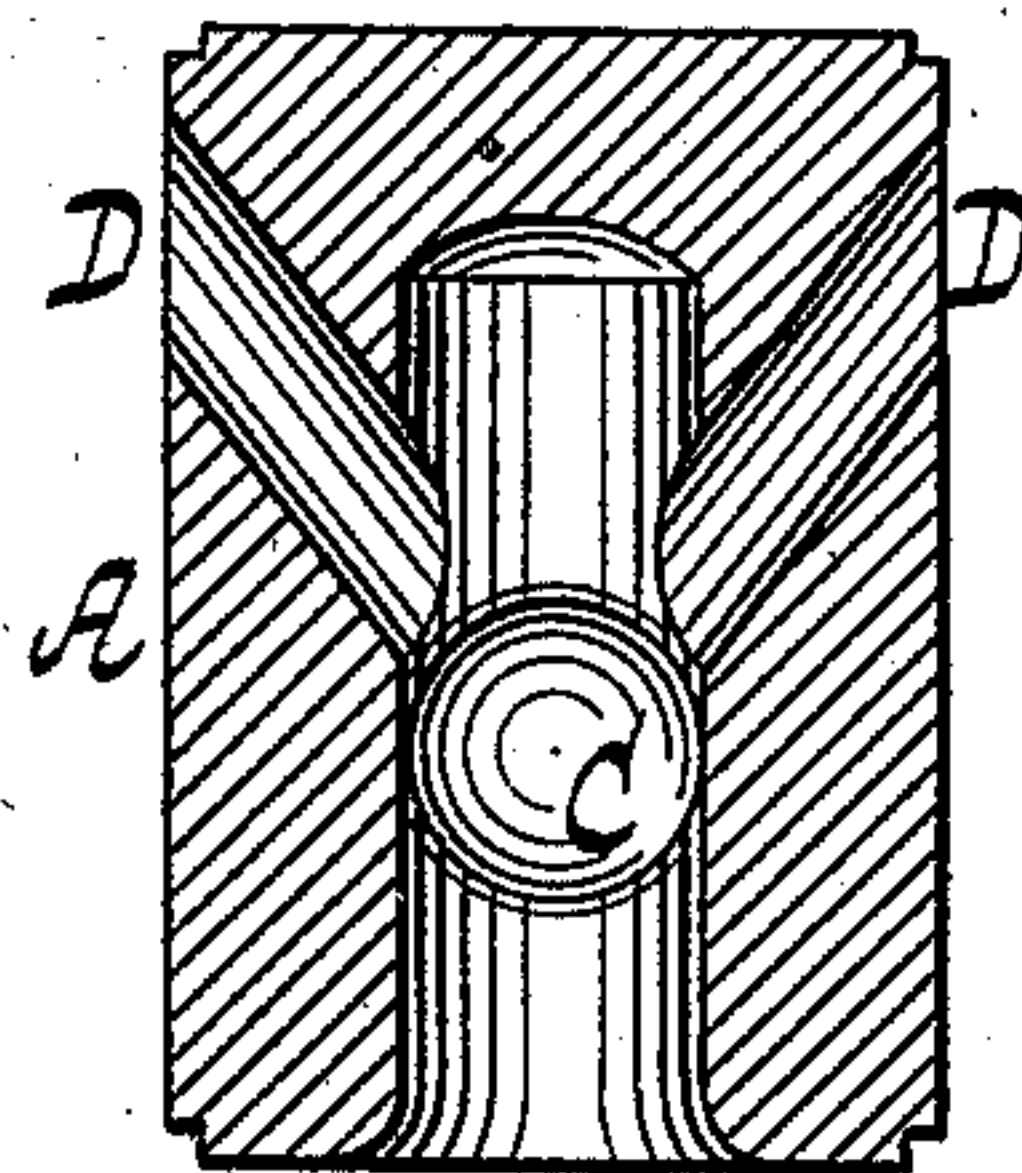


Fig. VII.



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CLOTHES-LINE CLAMP.

SPECIFICATION forming part of Letters Patent No. 412,749, dated October 15, 1889.

Application filed January 8, 1889. Serial No. 295,811. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL F. HAYES, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Clothes-Line Clamps, of which the following is a specification.

My invention is an improvement in that class of clamps which are designed especially for adjusting clothes-lines connecting with pulley-blocks without the usual knotting of the line ends; and it consists of the novel features of construction hereinafter described, tending to afford a secure fastening, while permitting easy adjustment of the desired line.

In the accompanying drawings, Figure 1 represents a side view of my clamp applied to a clothes-line. Fig. 2 represents a side view thereof detached and on a larger scale than in Fig. 1. Fig. 3 represents a longitudinal section thereof. Fig. 4 represents a like section thereof taken at a right angle to Fig. 3. Fig. 5 represents a cross-section thereof. Fig. 6 represents a like section of a modification thereof. Fig. 7 represents a longitudinal section of another modification thereof.

Similar letters indicate similar parts.

The letter A indicates a block of wood or other suitable material and of tubular form, constituting the body of the clamp; and B, a clamping-screw fitted in a lateral screw-hole B' of said block, so as to coincide axially with the interior thereof, this screw being of substantially equal diameter to said interior of the block, so that if the two ends of a clothes-line are drawn through the block both ends may be exposed to the action of said screw. At a point opposite said screw-hole B' in the interior of the tubular block A is a recess C, usually of a shape corresponding approximately to the end of the clamping-screw B, in which recess those portions of the line ends displaced by the impulse of said screw are received when the screw is tightened, as shown in Fig. 3, so that a comparatively large frictional contact is produced between the line ends and the interior of the block, with the effect of securely fastening such ends in the position to which they may be adjusted. By the position of said recess C it may be formed

by a suitable tool introduced through the screw-hole B' when, as in the example shown in Figs. 3, 4, 5, and 7, the recess is round in shape, the interior of the block being cylindrical. The interior of the block may, however, be square, as in the example shown in Fig. 6, and in that event one of the angles of such interior may constitute a recess by arranging the clamping-screw B in proper relation to the desired angle.

The letter D indicates lateral guide-holes in the tubular block A, usually opposite each other, each of which holes is of a proper diameter to allow a passage through it of one of the line ends to or from the interior of said block, so that the line may be drawn through said holes and thereby exposed to frictional contact with the sides and edges thereof, the result of which is to increase the clamping effect of the block. The guide-holes D are inclined toward the interior of the block A, as shown, to facilitate the passage of the line ends into and through the block, and in the example shown in Figs. 2, 3, and 4 two sets of said holes are employed, they being arranged in planes intersecting each other, as well as the recess C, to permit of crossing the rope ends opposite said recess, while in the example shown in Fig. 7 a single set of said holes is employed, said figure also showing the block A closed at one end.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a clothes-line clamp, a tubular block having a lateral screw-hole with a clamping-screw fitted therein, and lateral guide-holes inclined toward the interior of the block for the passage of the line ends, substantially as shown and described.

2. In a clothes-line clamp, a tubular block having a lateral screw-hole with a clamping-screw fitted therein, a recess opposite said hole on the interior of the block to receive the line ends under the impulse of said screw, and lateral guide-holes inclined toward the interior of the block for the passage of the line ends, substantially as shown and described.

MICHAEL F. HAYES.

Witnesses:

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CHAS. WAHLERS.