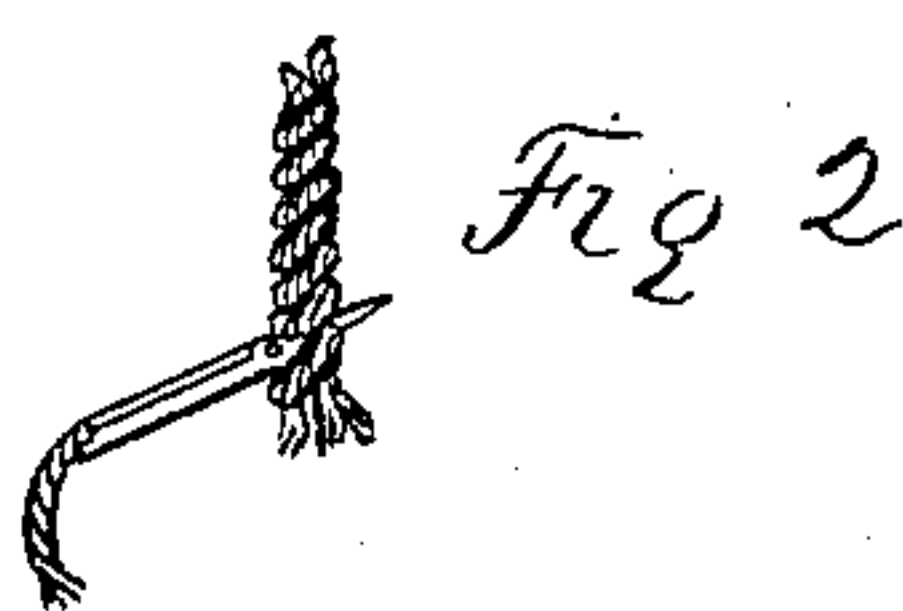
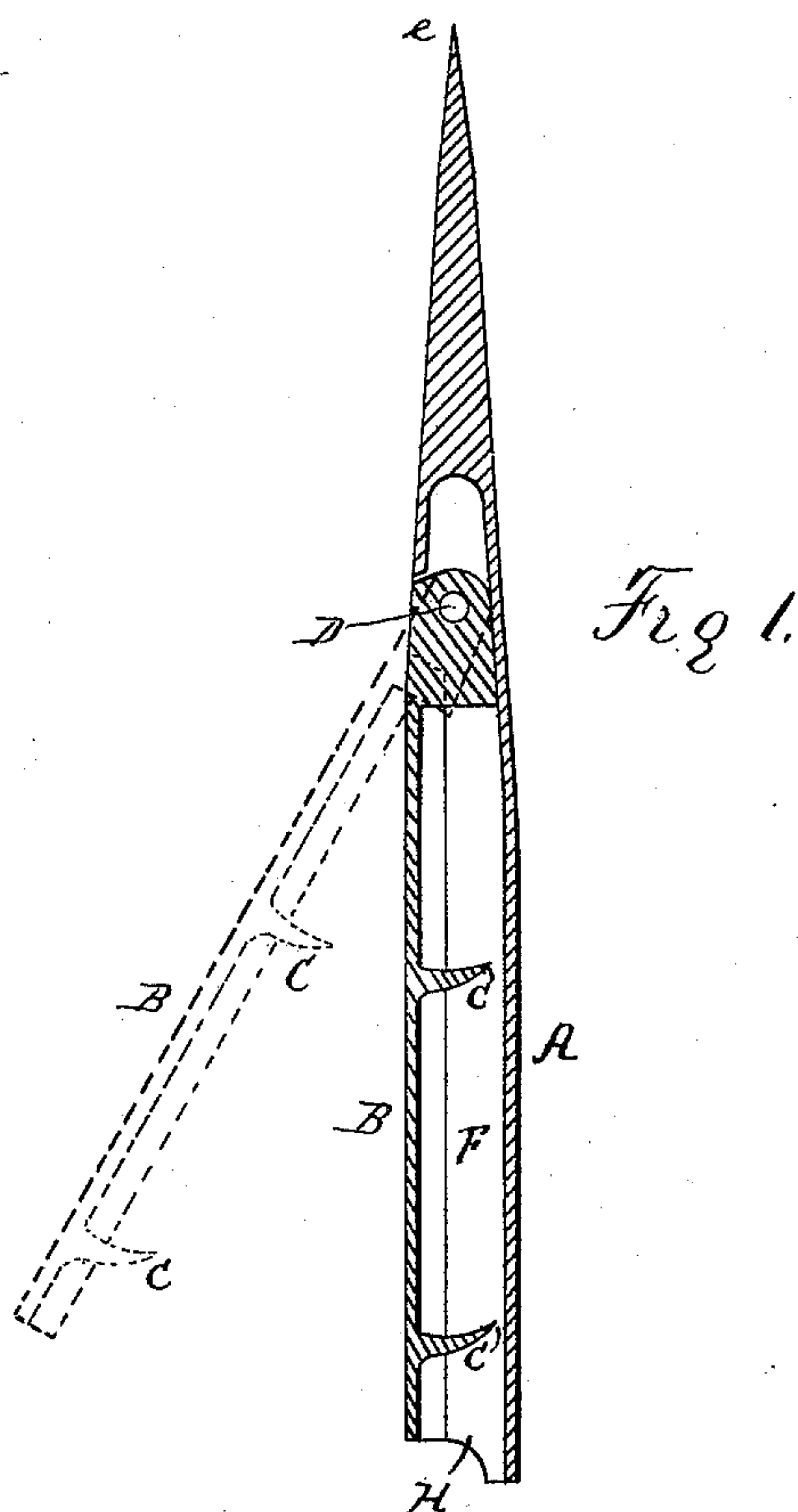


(No Model.)

B. F. TODD.
MARLINE PIN.

No. 431,416.

Patented July 1, 1890.



WITNESSES.

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UNITED STATES PATENT OFFICE.

BENJAMIN F. TODD, OF ALLEGHENY, ASSIGNOR OF ONE-HALF TO HARRY F. AMES, OF PITTSBURG, PENNSYLVANIA.

MARLINE-PIN.

SPECIFICATION forming part of Letters Patent No. 431,416, dated July 1, 1890.

Application filed January 29, 1890. Serial No. 338,515. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN F. TODD, of Allegheny, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Marline-Pins; and I do hereby declare the following to be a full, clear, and exact description thereof.

In splicing rope great difficulty is experienced in inserting and passing the rope between the strands of the other piece of rope on account of the strands closing up when the marline-pin is removed prior to entering the rope between the strands.

Now, my invention relates to an improvement in marline-pins; and it consists of a hollow pin having a hinged section provided with teeth whereby the splicing-rope may be placed in the cavity of the pin and the hinged section with its teeth closed down and the teeth entering the rope hold it firmly.

To enable others skilled in the art with which my invention is most nearly connected to make and use it, I will proceed to describe it.

In the accompanying drawings, which form part of my specification, Figure 1 is a longitudinal section of the marline-pin with the hinged section thrown out in dotted lines. Fig. 2 is a view of the marline-pin, showing the manner of forcing it through and between the strands of rope.

In the drawings, A represents the body of the marline-pin, which is made of any suitable

material, and provided with a cavity or chamber F. A portion B of said pin is hinged at D and is provided with teeth C. One end of the pin is pointed, as at e.

The operation is as follows: The rope to be spliced or inserted between the strands of the other piece of rope is passed into the pin through the opening H and up into the cavity or chamber F. The hinged section B is then closed down, and the teeth C, entering the rope, will hold it firmly within the marline-pin. The point e is then entered between the strands of the other section of rope, as shown in Fig. 2, which will open up and separate the strands, and thus allow the marline-pin and the rope inserted therein to be drawn through, and the rope is spliced in the usual manner.

Having thus described my improvement, what I claim is—

A hollow marline-pin having a hinged section provided with teeth whereby the splicing or securing rope may be placed in the cavity or chamber of said pin and said hinged section closed down for holding it therein, as herein described and shown.

In testimony whereof I have hereunto set my hand this 27th day of August, A. D. 1889.

BENJAMIN F. TODD.

Witnesses:

A. C. JOHNSTON,
C. S. JOHNSTON.