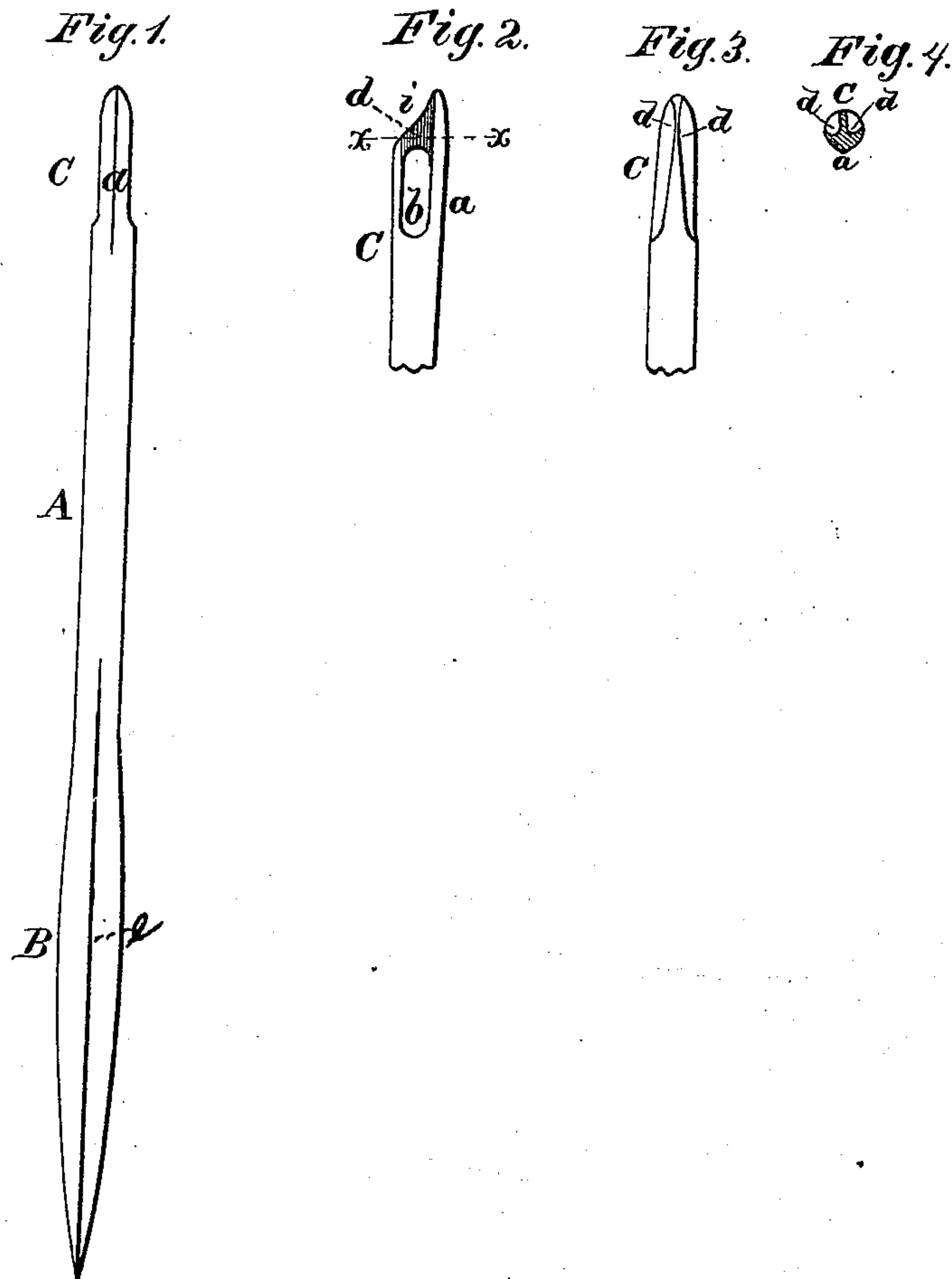


H. M. JENKINS.
SAIL-MAKERS' NEEDLE.

No. 171,620.

Patented Dec. 28, 1875.



WITNESSES

Henry W. Miller
By
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HARRY M. JENKINS, OF NEW YORK, N. Y.

IMPROVEMENT IN SAIL-MAKERS' NEEDLES.

Specification forming part of Letters Patent No. **171,620**, dated December 23, 1875; application filed December 9, 1875.

To all whom it may concern:

Be it known that I, HARRY M. JENKINS, of New York, in the county of New York and in the State of New York, have invented certain new and useful Improvements in Sail-Makers' Needles; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention relates to the class of needles used by sail-makers; and it consists in the construction of the head or eye part of the needle, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a front elevation of a sail-maker's needle embodying my invention. Figs. 2, 3, and 4 are different views of the head of the same.

A represents the body of the needle formed with the ordinary triangular tine B at its lower end. The head C of the needle is made on the front side with a ridge, *a*, on a line, and corresponding with the front ridge *e* of the tine, whereby the head is made to pass more

easily through the cloth as it follows the exact incision or hole made by the tine. *b* is the eye of the needle cut through in the usual manner. The metal above the eye *b* is hollowed out on both sides, and under or back of the front part of the head, as shown at *d d*. The top of the head is cut down or beveled off from the front backward, as seen at *i*.

By this construction of the head of the needle grooves or recesses are formed to receive the thread on both sides, without impairing the strength and efficiency of the needle; or, in other words, above the eye the thread is made to take the place of metal.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A sail-maker's needle, having its head formed with a ridge, *a*, corresponding with the front ridge *e* of the tine, for the purposes herein set forth.

2. In a sail-maker's needle, the head *c*, constructed with the side grooves *d d* and top bevel *i*, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 9th day of December, 1875.

H. M. JENKINS.

Witnesses:

H. A. HALL,
JAMES MOORE.