J. KEITH.

Waxed or Tarred Thread.

No. 217,948. Patented July 29, 1879.

Fig. 1.

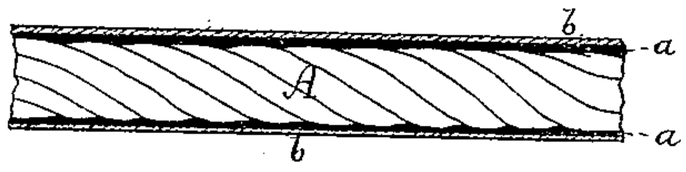
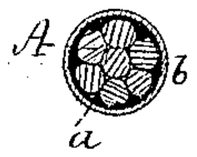


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

JEREMIAH KEITH, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN WAXED OR TARRED THREADS.

Specification forming part of Letters Patent No. **217,948**, dated July 29, 1879; application filed May 3, 1879.

To all whom it may concern:

Be it known that I, JEREMIAH KEITH, of the city and county of Providence, and State of Rhode Island, have invented a new and useful Improvement in Waxed or Tarred Threads, for use in sewing leather; and do hereby declare the same to be described as follows:

In carrying out my invention I cover the thread, after it has been waxed or tarred in the usual way, with one or more coats of size, as generally employed for sizing warps, preferring to use a sizing made from the bark of the *Ulmus fulva*, or slippery elm.

The thread, waxed or tarred, may be run through the size, the coating of which may subsequently be dried, or in some cases I sew with the size in a wet or moist state on the waxed thread.

Of the accompanying drawings, Figure 1 exhibits, on an enlarged scale, a longitudinal section, and Fig. 2 a transverse section, of a short piece of thread prepared in accordance with my invention, A being the thread, *a* its coating of tar or wax, and *b* that of size.

I have found that much advantage results from thus sizing the tarred or waxed thread, the sizing (whether dry or wet) rendering it much easier for the thread to be drawn through the leather by the needle; and, furthermore, it so fixes the waxing composition as to prevent in a great measure, if not entirely, the needle from being choked or impeded thereby.

What I claim as my invention is as follows, viz:

Thread tarred or waxed, and having one or more coatings of size applied to it, all being substantially and for use as described.

JEREMIAH KEITH.

Witnesses:

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