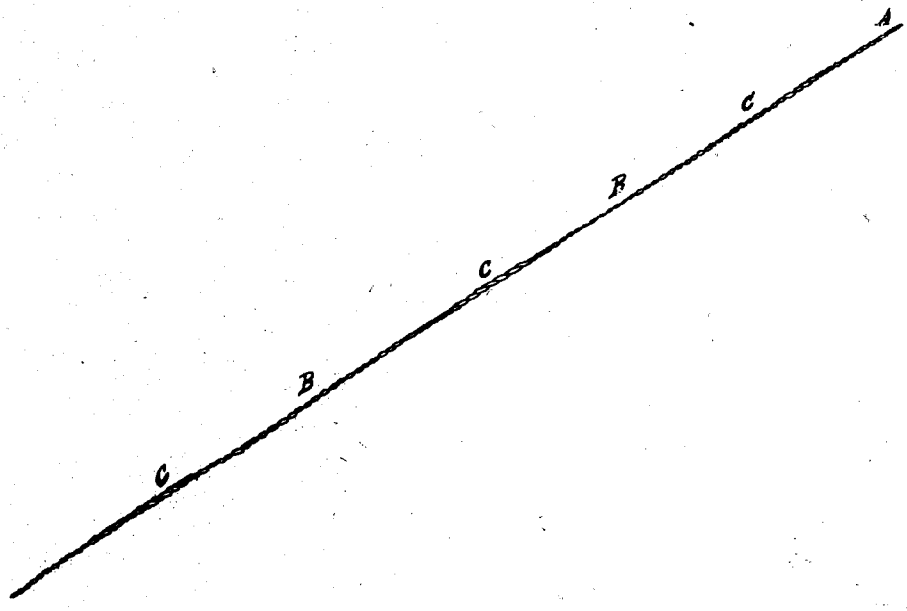
J. Chase.

Clouded Yarn.

No. 69,967. Patented Oct. 22, 1867.



Witnesses:

Thos. H. Dodge

D. L. Witter.

Inventor.

Joseph Chase

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UNITED STATES PATENT OFFICE.

JOSEPH CHASE, OF WORCESTER, MASSACHUSETTS.

IMPROVEMENT IN CLOUDED YARN.

Specification forming part of Letters Patent No. **69,967**, dated October 22, 1867.

To all whom it may concern:

Be it known that I, JOSEPH CHASE, of the city and county of Worcester, and Commonwealth of Massachusetts, have made certain new and useful Improvements in Clouded Yarn; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming a part of this specification.

To enable those skilled in the art to which my invention belongs to make the same, I will proceed to describe it in detail.

In the drawing, A represents a piece of a woolen thread with my improvement applied thereto.

The main part B of the thread may be of any desired size and color. It may be a single thread, or it may be composed of two or more single threads doubled and twisted together.

The parts C C are the clouded parts. In this instance the color is red. The color of the clouded parts may be, however, of any desired color, and the clouded parts may be longer or shorter, and nearer together or farther apart, to suit the tastes of the manufacturer.

The clouding is accomplished by running in and twisting in with the thread, at certain distances apart, fresh fibers from a strand of roving.

The thread part B, as it is run off of a spool, has a continuous motion, while the strand of roving by which the clouding is effected has an intermittent motion.

One or more strands of roving—of different colors, if desired—may be fed, so as to produce a variegated cloud.

It is in yarn formed by combining a continuously-moving main thread with roving fed forward at intervals by an intermittent feeding device that my invention consists. In an application for Letters Patent of even date herewith I have described and explained one mode of manufacturing such yarn and of imparting the necessary motions to the thread and roving feeding devices. It is, however, apparent that the yarn itself, which is the subject-matter of the present application, can be produced or manufactured by any other suitable machinery.

Having described my improved clouded yarn, what I claim as new and of my invention, and desire to secure by Letters Patent, is—

Clouded yarn, as an improved article of manufacture, made substantially as above described.

JOSEPH CHASE.

Witnesses:

THOS. H. DODGE,

D. L. MILLER.