

J. B. Sawyer.
Rattan Cutter.

N^o 93,120.

Patented Jul 27, 1869.

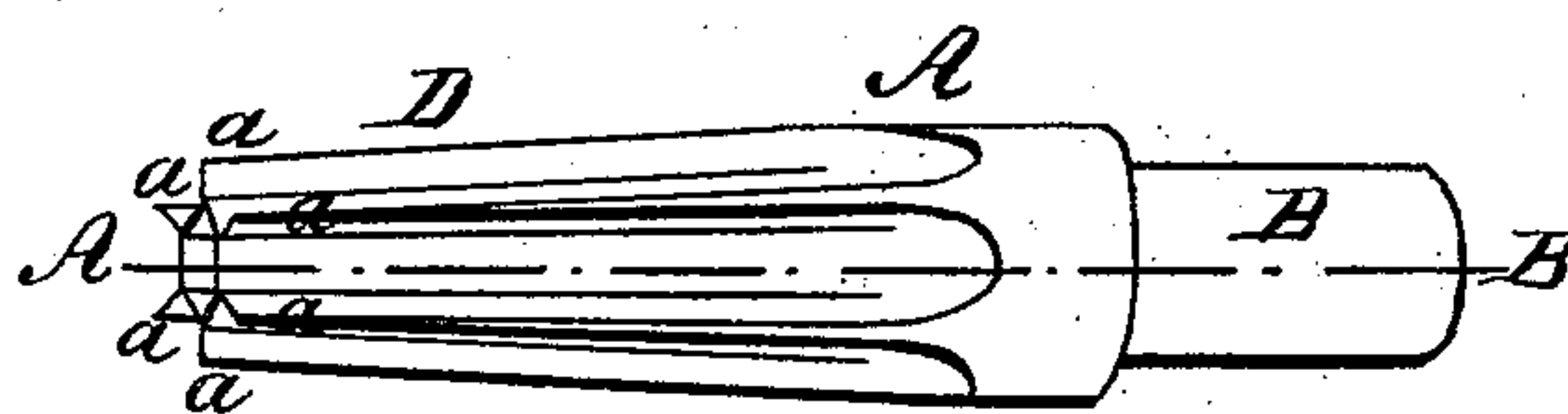


Fig. 1.

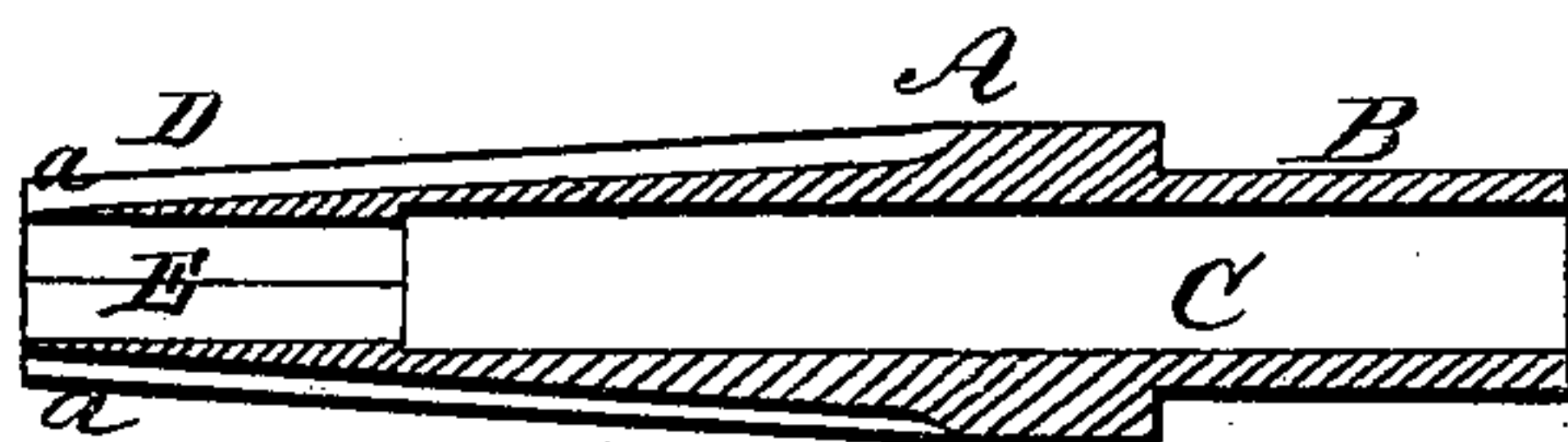


Fig. 2.

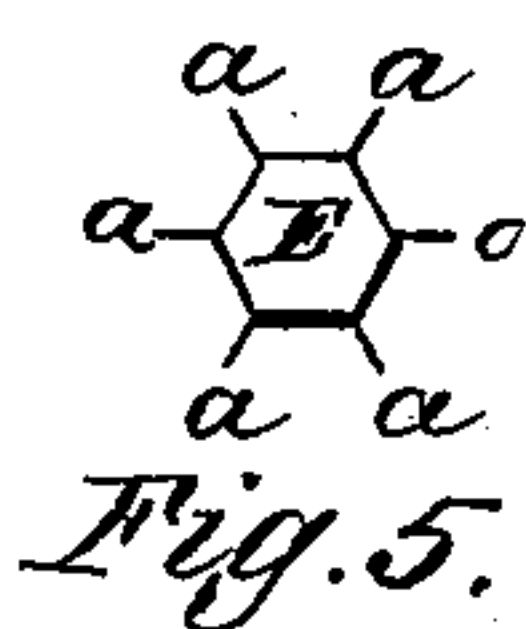


Fig. 5.



Fig. 6.

Witnesses.

Thos. C. Dodge
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Inventor.

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J. B. SAWYER, OF EAST TEMPLETON, MASSACHUSETTS.

Letters Patent No. 93,126, dated July 27, 1869.

IMPROVEMENT IN RATTAN-CUTTERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, J. B. SAWYER, of East Templeton, in the county of Worcester, and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Rattan-Cutters; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a perspective view of a rattan-cutter with my improvements applied thereto;

Figure 2 represents a longitudinal central section on line A B, fig. 1;

Figure 5 represents a front view of the cutter shown in fig. 1; and

Figure 6 represents a front view of the cutter shown in fig. 3.

To enable those skilled in the art to which my invention belongs, to make and use the same, I will describe the improvements more in detail.

The nature of my invention consists in the combination, with a rattan-cutter, made many-sided, both on the inside and outside, of a series of fins upon the outside, as will be hereafter explained.

In the drawings—

A is the cutter, the shank B of which is made in the usual form, and having a circular hole, C, extending through it, and partly through the cutter part D.

The hole E in the front part of the cutter, and the outside of the cutter, are both made, in this instance, six-sided, or of hexagon shape.

The cutter may be made with greater or less number of sides, as preferred, and the many-sided hole E may extend entirely through the shank B.

In fig. 1 it will be noticed that fins or cutting-spurs *a* project out at the corners; and for many reasons it may be advisable to make the cutter with such cutting-spurs or fins.

The shank of the cutter is inserted in a supporting-socket, in the usual manner, and the rattan is to be

fed to or forced against the cutter, also in the usual manner, but the form of the rattan, as well as the pith which passes through the hole in the cutter, is of different shape from what it is when the rattan is cut by the ordinary cutter, which has simply a round or circular hole through the cutter.

The under or inner sides of the strips, when cut, are of concave or circular shape, while the pith is of circular form.

When the strips are cut in this form, there is great liability of cracking or checking the backs of the strips longitudinally, as they are passed through the feed-rolls, for the purpose of shaving them down to the proper and uniform thickness, owing to the fact that the edges are forced up, while the back is forced down; and besides, the enamel of the back of the rattan is more or less injured and broken off during the shaving-operation, when the strips are cut by the common cutter.

Then again, the pith being kept in circular form, is not so merchantable and valuable as it is when left in the form shown in fig. 6, or many-sided.

It will be noticed that by the use of my improved cutter, the under sides of the strips are left flat, so that there is no danger of cracking either the enamel or the fibre of the rattan, in the operation of splitting, or in the subsequent operation of preparing it for use.

The pith is employed in the manufacture of a great variety of useful and ornamental articles, and the many-sided form is preferred.

Having described my improved rattan-cutter,

What I claim therein as new and of my invention, and desire to secure by Letters Patent, is—

The combination, with a many-sided rattan-cutter, of separating-fins or cutting-spurs *a*, substantially as and for the purpose set forth.

J. B. SAWYER.

Witnesses:

THOS. H. DODGE,
ALBERT E. PEIRCE.