

(No Model.)

I. F. BROWN.
Cotton Gin.

No. 239,715.

Patented April 5, 1881.

Fig. 1.

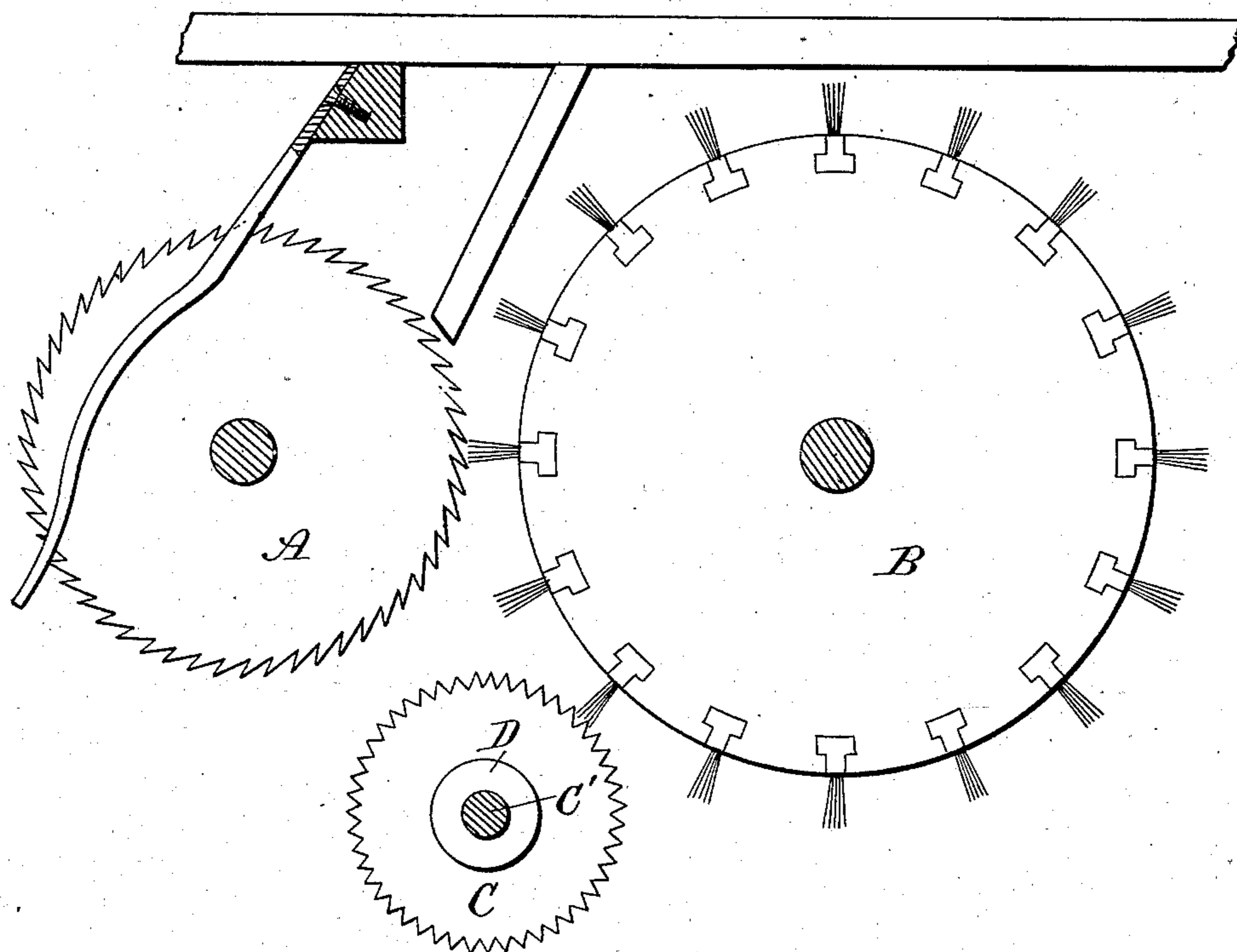
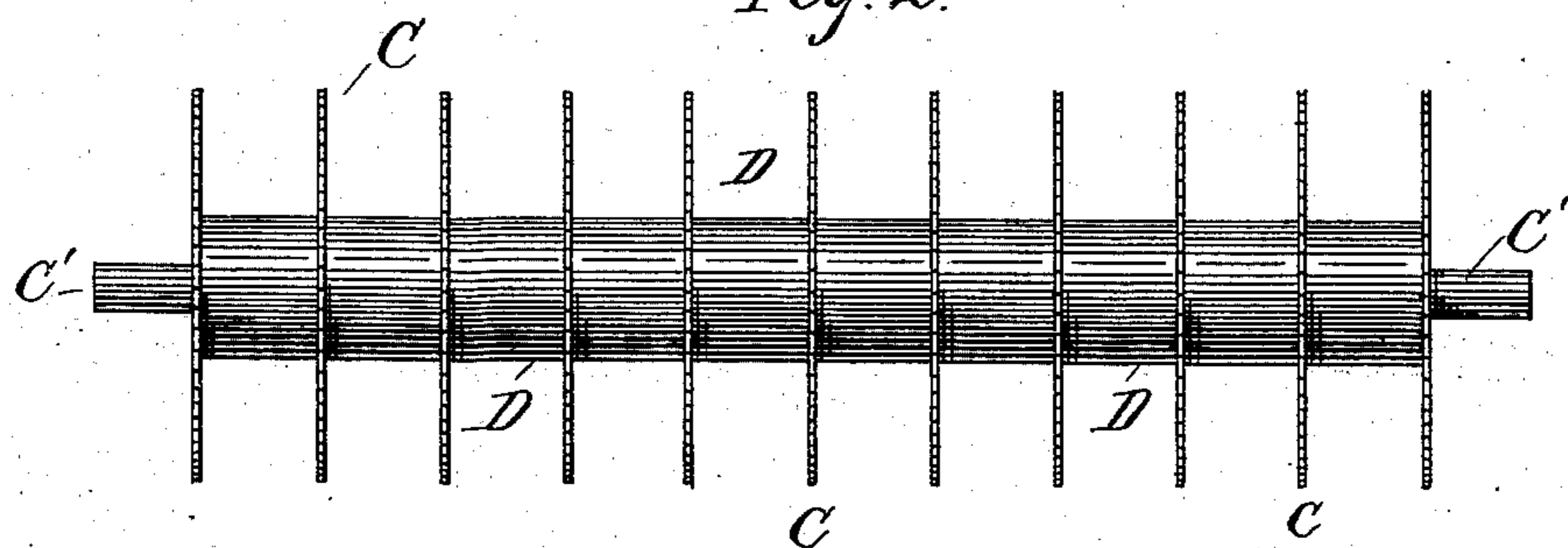


Fig. 2.



WITNESSES

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ISRAEL F. BROWN, OF NEW LONDON, CONNECTICUT.

COTTON-GIN.

SPECIFICATION forming part of Letters Patent No. 239,715, dated April 5, 1881.

Application filed March 2, 1881. (No model.)

To all whom it may concern:

Be it known that I, ISRAEL F. BROWN, a citizen of the United States, residing at New London, in the county of New London and State of Connecticut, have invented certain new and useful Improvements in Cotton-Gins; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to certain improvements in cotton-gins, and is especially designed to thoroughly gin and at the same time remove all motes and foreign substances from the cotton, all of which will be hereinafter more fully described, and particularly pointed out in the claims.

Figure 1 is a side view, partly in section, and Fig. 2 a detached view, of the moting-shaft and saws.

In the accompanying drawings similar letters of reference indicate like parts of the invention.

The letters A and B represent respectively a gin-saw and stripping-brush of ordinary construction.

C' is a shaft provided with a suitable number of beating-saws, C, separated by the collars D. Said shaft C' is mounted in a line parallel with the stripping-brush B, and at such a distance

from it that the teeth of the beating-saws C will strike the cotton as it passes on the stripping-brush. The teeth of the moting-saws C are preferably of the equilateral shape, as shown in Fig. 1.

The operation of the invention is as follows: The cotton, after it is stripped from the gin-saw A, comes in contact with the saws C, where it is whipped or beaten up, thus loosening and expelling the motes and impurities contained in it, thereby ginning the cotton more perfectly and delivering it in an approximately pure state, ready for the carding machinery.

I am aware that it is not broadly new to remove the motes from cotton during the process of ginning, and therefore I do not broadly claim it; but

What I do claim as new and useful, and desire to secure by Letters Patent of the United States, is—

1. In a cotton-gin, the ginning-saws A and stripping-brush B, in combination with the saws C, substantially as and for the purpose set forth.

2. In a cotton-gin, a series of solid saws, C, adapted to remove the motes from the ginned cotton, substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

ISRAEL F. BROWN.

Witnesses:

H. W. HUBBARD,
GEORGE COLFAX.