

(No Model.)

C. T. MASON, Jr.
COTTON PICKER STEM.

No. 312,647.

Patented Feb. 24, 1885.

Fig. 1.

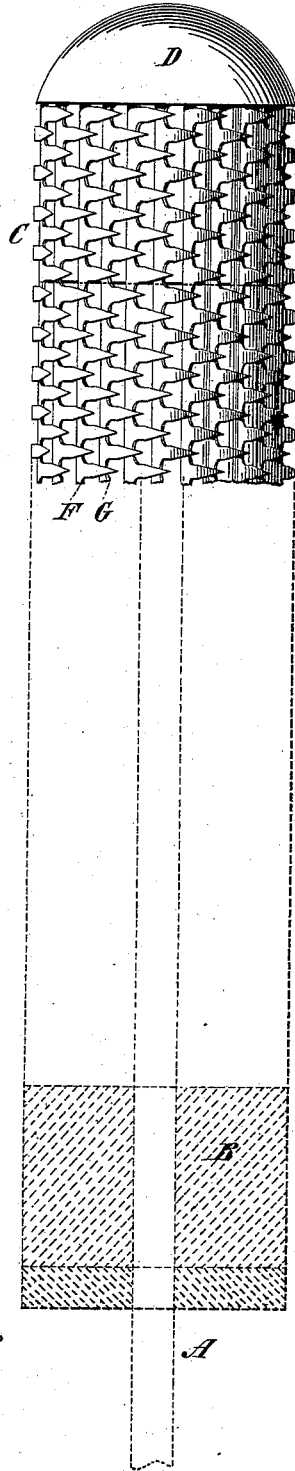


Fig. 2.

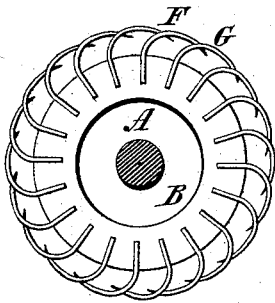
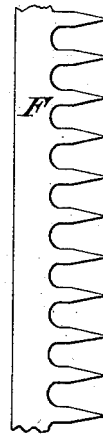


Fig. 3.



WITNESSES:
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UNITED STATES PATENT OFFICE.

CHARLES T. MASON, JR., OF SUMTER, SOUTH CAROLINA.

COTTON-PICKER STEM.

SPECIFICATION forming part of Letters Patent No. 312,647, dated February 24, 1885.

Application filed January 5, 1884. (No model.)

To all whom it may concern:

Be it known that I, CHARLES T. MASON, Jr., of Sumter, Sumter county, South Carolina, have invented a new and useful Improvement in Cotton-Picker Stems, of which the following is a specification.

The invention relates to a cotton-picker stem for gathering cotton from the bolls of the plant, and more particularly to the improved construction hereinafter set forth.

The invention consists in a cotton-picker stem containing a central rod and supports thereon, to and around which supports are secured strips of metal, on which are formed the picking-teeth, the said teeth being bent over, as hereinafter described, and arranged so that the teeth of one strip shall lie partially over the intervals between the teeth of the next adjacent strip.

In the accompanying drawings, Figure 1 is a partial side elevation and section of my improved cotton-picker stem. Fig. 2 is an end view showing the manner of attaching the strips to the supports, and Fig. 3 represents a portion of one of the strips enlarged.

Similar letters of reference indicate like parts.

A is the central rod. B and C are supports thereon, which may be of wood. D is a round cap, rigidly secured to the end of the rod. F and G are two adjacent strips similarly formed. All the other strips are formed in like manner.

Each strip consists of a strip of plate metal having teeth formed integrally with it by cutting, or in any other convenient way. The strips are inserted in channels cut longitudinally in the supports B and C, as shown in Fig. 2, and in this manner are secured in place.

By reference to Fig. 1 it will be seen that the teeth are all bent over in the same direction, and that the teeth of one strip—as, for example, F—lie partially over the intervals between the teeth of the next adjacent strip—as, for example, G. The teeth of each strip are so bent that their points lie on a level with or a little below the arched or bent-over portions of said teeth, and the teeth of two adjacent strips are so disposed that the points of the teeth of one strip shall lie on a level

with or a little below the bent or arched portions of the teeth of the next adjacent strip. It will be seen that by this construction I do away with the use of guards or partitions between the teeth, such as have been hitherto employed in cotton-picker stems resembling the one above described.

I claim as my invention—

1. In a cotton-picker stem, two or more strips of metal secured to supports attached to a central rod, as set forth, the said strips having bent picking-teeth formed upon them, the said picking-teeth being so disposed that the teeth on one strip lie partially over the intervals between the teeth of the next adjacent strip, substantially as described.

2. In a cotton-picker stem, two or more strips of metal secured to supports attached to a central rod, the said strips having picking-teeth formed upon them, and the said teeth being bent over and disposed so that the teeth on one strip shall lie partially over the intervals between the teeth of the next adjacent strip, and so that the points of the teeth on the first-mentioned strip shall lie on a level with or a little below the arched or bent portions of the teeth of the said adjacent strip, substantially as described.

3. A cotton-picker stem having on its periphery bent picking-teeth disposed in longitudinal rows, the teeth of each row being bent over to lie between and alternate with the teeth of the next adjacent row, substantially as described.

4. A cotton-picker stem having on its periphery bent picking-teeth arranged in longitudinal rows, the points of the teeth of each row being disposed at or below the level of the backs of the teeth of the next adjacent row, whereby said points are guarded by said backs, substantially as described.

5. A cotton-picker stem provided with bent picking-teeth, the upper sides or backs of the bent-over or arched portions of said teeth forming the outer periphery of the stem, substantially as described.

CHARLES T. MASON, JR.

Witnesses:

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