

(No Model.)

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

No. 331,514.

Patented Dec. 1, 1885.

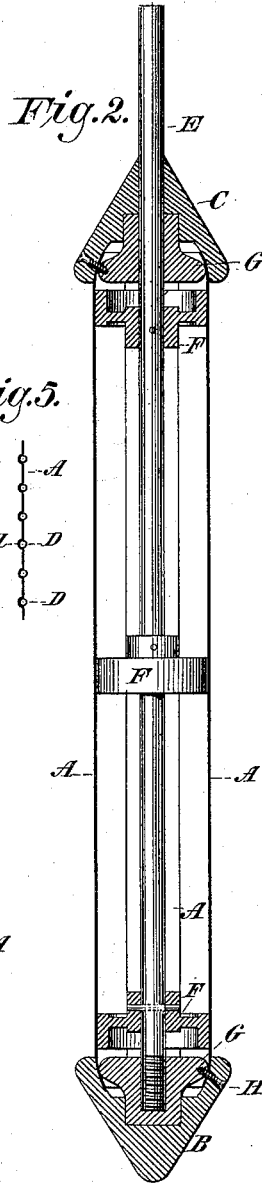
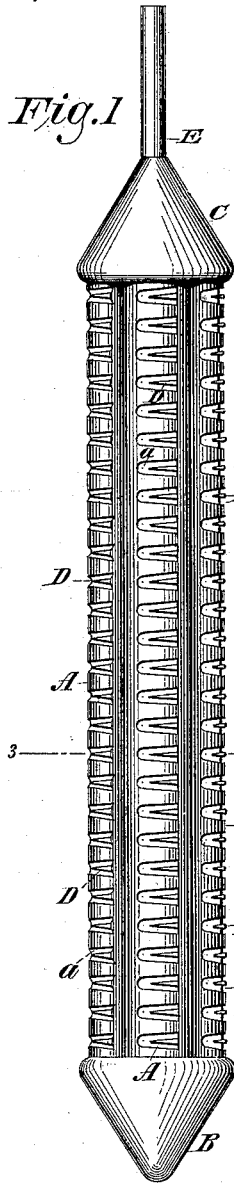


Fig. 4. Fig. 5.

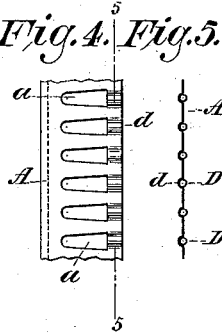
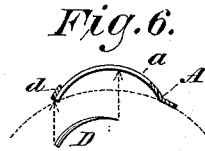
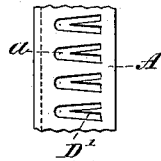


Fig. 7.



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. 331,514, dated December 1, 1885.

Application filed March 14, 1885. Serial No. 158,783. (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 certain improvements in cotton-picker stems to adapt the same for more efficiently picking and collecting cotton from the bolls; and it consists, more particularly, in the construction hereinafter set forth.

In the accompanying drawings, Figure 1 is a side elevation of my improved stem. Fig. 2 is a vertical longitudinal section on the line 2 2 of Fig. 3. Fig. 3 is a transverse section on line 3 3 of Fig. 1. Fig. 4 shows a portion of one of the slotted struck-up plates. Fig. 5 is a section of same on line 5 5 of Fig. 4. Fig. 6 is a transverse section of one of said plates through the slot, and showing the tooth therein detached. Fig. 7 shows a portion of a slotted plate, A, with the tooth formed integrally with said plate.

Similar letters of reference indicate like parts.

E is the supporting-rod, upon which are rigidly secured the metal flanged disks F F and end pieces, G G. A A are a series of bent and slotted plates of sheet metal. The inner edges of these plates rest against the flanges of the disks F. Their ends are confined between the end pieces, G G, and the cap-pieces B and C, the said pieces G G and B and C being suitably formed to receive said ends, and fastening-screws H or other suitable devices being provided for securing the parts together.

The plates A are here shown as strips of metal arched transversely. In said plates are cut slots *a*, and beside said slots are formed small recesses or indentations *d*. In each recess I secure by solder or brazing a wire tooth, D. This tooth is bent in arched form and lies in the slot *a*. It is essential that the teeth be

so bent or curved that their pointed ends shall lie on a level with or a little below the outer surface of the plates A, so that said plates thus serve as guards, which prevent the leaves or branches of the cotton-plant engaging with the teeth, but do not prevent the cotton in the bolls from being so engaged.

The plates A are herein shown as separate and soldered together at their adjacent edges; but I do not limit myself to this construction, inasmuch as I may make the envelope or periphery of the stem of a single sheet of metal which may be bent around the disks F and have its meeting ends secured by solder. Neither do I limit myself to separate teeth D inserted in the recesses *d* of the plate A; but, on the contrary, this construction is herein disclaimed, the same having been already claimed in Letters Patent No. 293,484, granted to me February 12, 1884.

My present application relates more particularly to the construction shown in Fig. 7 of the drawings, wherein the teeth are represented as struck out of the metal of the plate itself, and hence are integral with said plate, and are arranged within the slots *a* at D'. In this construction the recesses *d* are unnecessary, and are omitted.

Substantially the same subject-matter hereinafter claimed was claimed by me in my application for the aforesaid Letters Patent, but was removed from said application in order to embody the same in a separate application subsequently to be filed.

I claim as my invention—

In a cotton-picker stem, and forming the periphery thereof, a sheet-metal plate provided with slots *a* and integrally-formed teeth D, arranged in said slots, substantially as described.

CHARLES T. MASON, JR.

Witnesses:

PARK BENJAMIN,
WILLIAM E. DORAN.