

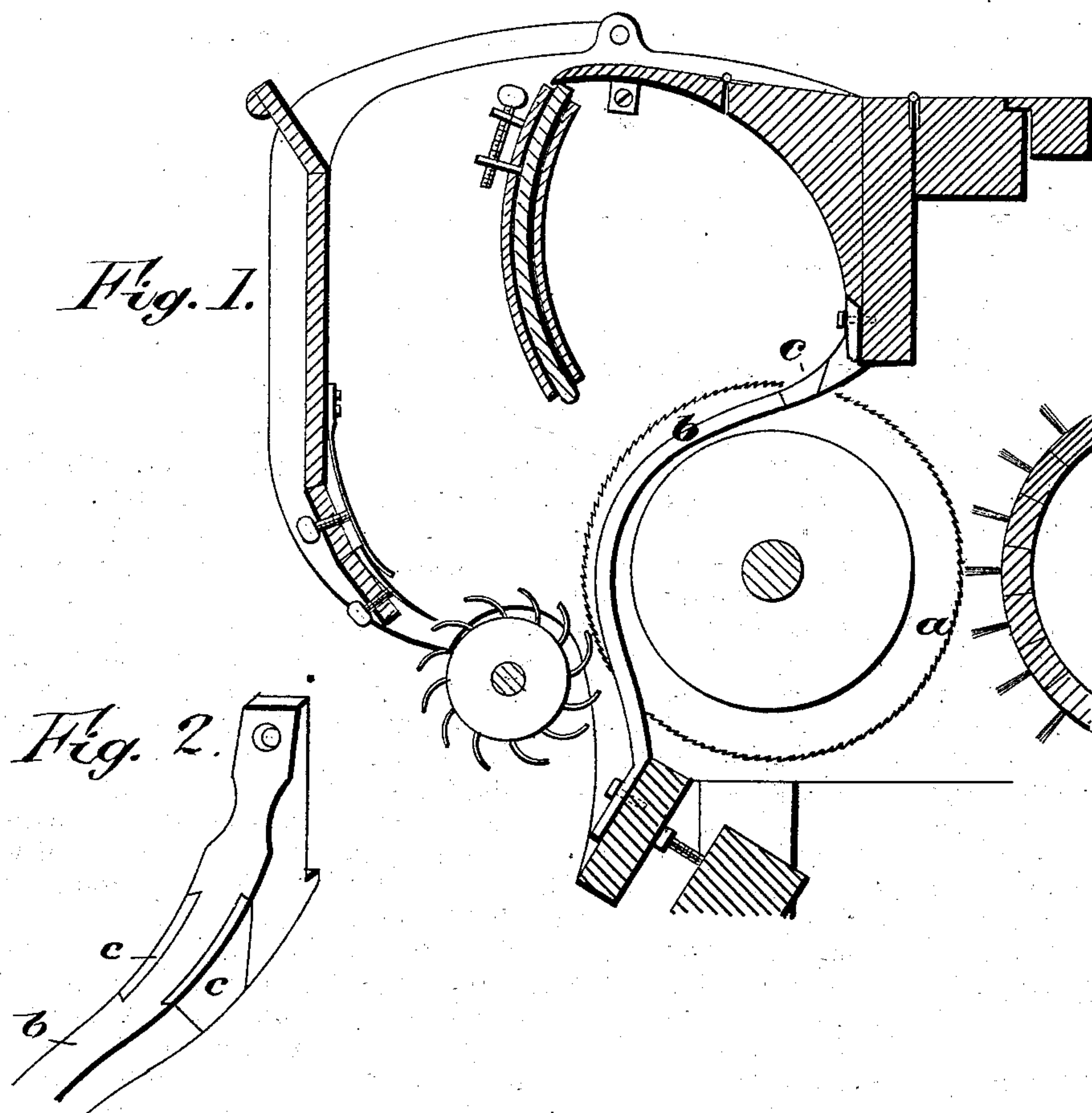
(No Model.)

W. S. ANDERSON.

COTTON GIN RIB.

No. 278,073.

Patented May 22, 1883.



WITNESSES:

*Wm Beyer*  
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# UNITED STATES PATENT OFFICE.

WILLIAM S. ANDERSON, OF DUNCANSBY, MISSISSIPPI.

## COTTON-GIN RIB.

SPECIFICATION forming part of Letters Patent No. 278,073, dated May 22, 1883.

Application filed February 9, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM S. ANDERSON, of Duncansby, in the county of Issaquena and State of Mississippi, have invented a new and useful Improvement in Cotton-Gin Ribs, of which the following is a full, clear, and exact description.

This invention pertains to an improvement in cotton-gins; and it consists of the combination of re-enforcing wearing-plates applied to the sides of the ribs or grates, said plates being made wedge-shaped or tapering toward their lower ends, and flared inwardly at their side edges with said ribs or grates, which are recessed correspondingly to receive and permit the holding of the plates in position without screws or like fastenings, and to permit their removal with facility, substantially as hereinafter more fully set forth.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a sectional elevation of part of a cotton-gin, showing an improved grate or rib of my invention in side view, and as arranged with relation to the saws. Fig. 2 is a detail view of my wearing-plates connected to a rib.

The saws *a* are arranged to run between the grates or ribs *b*, substantially as shown in Fig. 1, in nearly all forms of gins, to cut and strip the lint from the seeds by pulling the lint be-

tween the grates or ribs, which are placed so close together as to prevent the seeds from being pulled between them.

*C C* are wearing-plates, two of which are applied to a rib or grate—one at each side—to arm the ribs or grates against wear from extraneous or foreign substances—as, for instance, sand, &c.—that may adhere to the cotton taken up by the saws. The plates are made in an approximately wedge shape, their lower ends being the smaller, and flared inwardly at their side edges, the grates or ribs being correspondingly recessed or socketed to receive the plates, whereby the wearing-plates are adapted to be secured or held in position without the use of screws or like fastenings, and whereby they can be readily and with facility removed when requiring renewal by reason of wear or other cause.

Having thus fully described my invention, I claim and desire to secure by Letters Patent—

In a cotton-gin, the combination, with the rib or grate, of the wearing or re-enforcing plates, being approximately wedge-shaped, and flared at their side edges, said grate or rib being provided with correspondingly-shaped sockets, substantially as and for the purpose set forth.

WILLIAM S. ANDERSON.

Witnesses:

F. B. HILL,

F. M. HALBERT.