

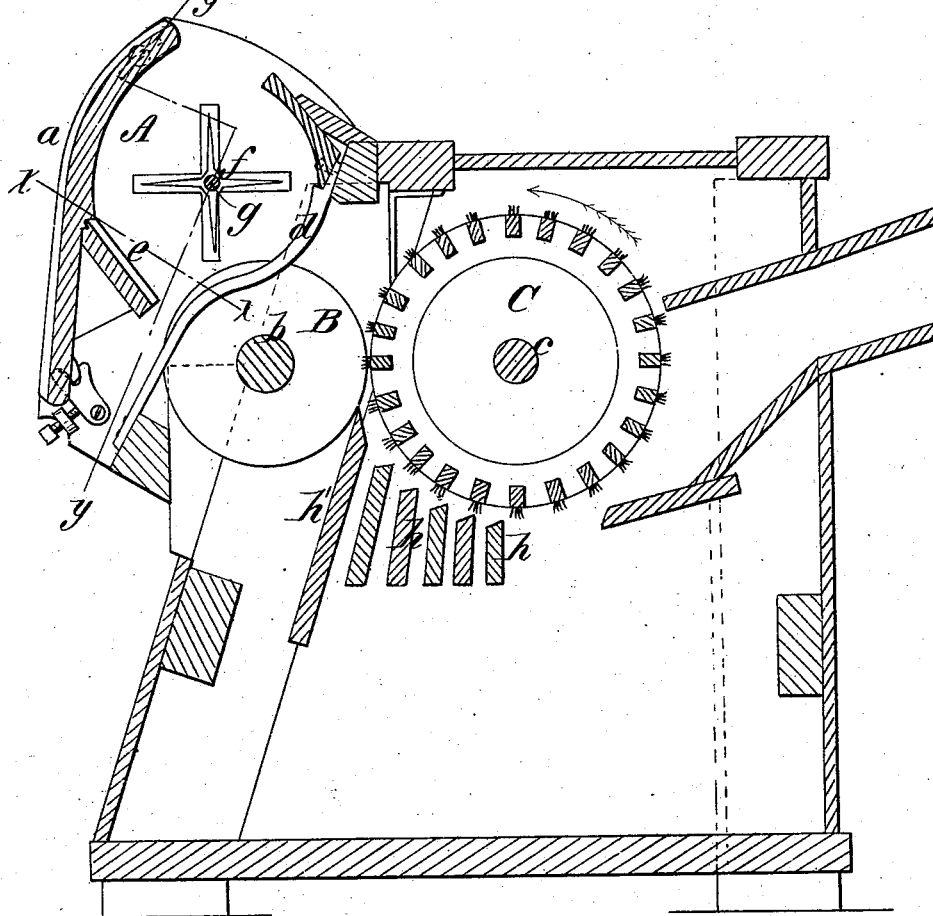
(No Model.)

J. VAN ZANDT.

COTTON GIN.

No. 261,502

Patented July 18, 1882.



WITNESSES:

Sam Twitchell.
L. Seagwick

INVENTOR:

J. Van Zandt
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ATTORNEYS.

UNITED STATES PATENT OFFICE.

JACOB VAN ZANDT, OF MARSHALL, TEXAS.

COTTON-GIN.

SPECIFICATION forming part of Letters Patent No. 261,502, dated July 18, 1882.

Application filed November 30, 1881. (No model.)

To all whom it may concern:

Be it known that I, JACOB VAN ZANDT, of Marshall, Harrison county, Texas, have invented an Improvement in Cotton-Gins, of which the following is a specification.

The drawing represents a vertical longitudinal section of a cotton-gin with my improvement, which consists in the combination of the bevel-edged boards with the saws and brush, so as to facilitate the transfer of the cotton from the saws to the arc-shaped support, consisting of the bevel-edged boards set at a short distance apart, and to thus straighten the fiber or lint. This gives the lint cotton a finer and lighter appearance, causing a ready allowance of a considerable addition to the usual price.

A represents the feed-box, having the seed-board *e*, the fan *f*, on a cross-shaft, *g*, and a grate formed of ribs *d*. B are the saws on shaft *b*, and C the brush on shaft *c*. Upon these parts I make no claim to invention, but merely show them to illustrate at one view the connected parts of a gin.

h h' represent dust-boards, which are arranged with their upper edges in the form of an arc concentric with the brush-roll, and extend from a point at the rear of saws B nearly to a point opposite the lowest part of the brush-roll C. The board *h'* is arranged with its pointed or sharpened edge so close to the

saws as to allow it to just clear their edges, while it is beveled or inclined downwardly from the saws, so as to guide, without retarding, the lint as the brush sweeps it toward the dust-boards *h*. The latter are slightly beveled, but in the opposite direction to *h'*, so as to retard the lint in its movement and allow the brush to whip out the dust effectually and cause said dust to pass out through the spaces between the dust-boards. As the brushes draw out the fiber over the long bevel of the board *h'* the fibers are straightened before they are whipped over the sharp edges of the dust-boards *h*. These boards are secured by means of a grooved bracket screwed fast to the sides of the cotton-gin, and are held both adjustably and removably in the grooves.

Having thus described all that is necessary to a full understanding of my invention, what I claim as new is—

The combination, with the saws B and rotary brush C, of the dust-boards *h' h*, the board *h'* extending with its sharpened edge close to the saws and inclined downwardly therefrom, and the boards *h* being slightly beveled in an opposite direction, for the purpose specified.

JACOB VAN ZANDT.

Witnesses:

HENRY ADAMS EVANS,
LAFAYETT ROBER LOGAN.