

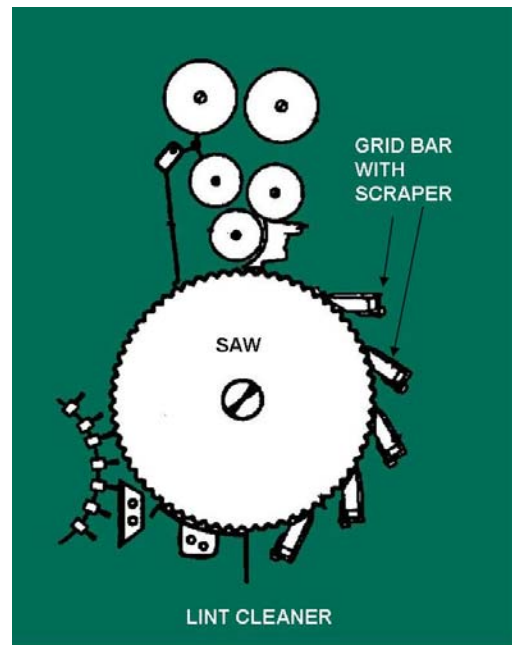
Grid Bar Scraper

USDA – ARS COTTON TECHNOLOGY TRANSFER

Problems associated with foreign matter in cotton cause build-up of wet, sticky fiber and trash material on the grid bars, especially at the top surface of the grid bar. Because this build-up of foreign matter on the grid bars interferes with the proper cleaning of the lint, foreign matter must be removed from the grid bar to achieve efficient cleaning. Conventionally, the grid bars are cleaned by opening the lint cleaner and using a wooden stick to manually rub build-up off the top of the bar. The lint cleaner must be entirely stopped and powered down before the lint cleaner can be serviced. This is time consuming and ineffective at thoroughly cleaning the grid bars.

A device for removing foreign matter that collects on a grid bar has been developed to improve lint cleaner efficiency. The scraper slides along the top surface of the grid bar during operation, keeping fiber and trash from building up on the cleaning surface. This patented technology, #5,697,126, helps to eliminate the need for shutting down the machines for cleaning during peak ginning periods and reduces worker exposure to high speed saws. This device can be used on other cleaning surfaces such as moting rails within the gin stand.

The grid bar scraper technology was developed by Roy V. Baker at the USDA-ARS Cotton Production and Processing Unit, Lubbock, Texas. For additional information about this technology contact Thomas D. Valco, tvalco@ars.usda.gov.



For Other Cotton Ginning Technologies Visit
<http://msa.ars.usda.gov/gintech> Or Contact:

Thomas D. Valco, Ph.D.
USDA-ARS
141 Experiment Station Rd.
Stoneville, MS 38776

Phone: 662 686-5255
Fax: 662 686-5372
Email: tvalco@ars.usda.gov

