

The TrashMax

by



Covered by US Patent Number 5,972,696

Phone: 662-569-3341/662-207-2600/662/207/2414



US005972696A

United States Patent [19]**Lipsey**[11] **Patent Number:** **5,972,696**[45] **Date of Patent:** **Oct. 26, 1999****[54] COMPOST PILE BUILDING APPARATUS****[76] Inventor:** **William T. Lipsey, 207 E. Percy,**
Indianola, Miss. 38751**[21] Appl. No.:** **07/925,615****[22] Filed:** **Aug. 6, 1992****[51] Int. Cl.⁶** **C05F 17/02****[52] U.S. Cl.** **435/290.4; 435/290.1;**
19/48 R; 198/508**[58] Field of Search** **455/287, 290,**
455/305, 307, 313, 315, 316; 422/184;
71/8, 9, 901; 405/128, 129; 241/DIG. 38;
423/DIG. 18; 198/508, 631; 414/133, 308,
309, 310, 301, 302; 19/39, 48 R; 435/290.1,
290.2, 290.4**[56] References Cited****U.S. PATENT DOCUMENTS**

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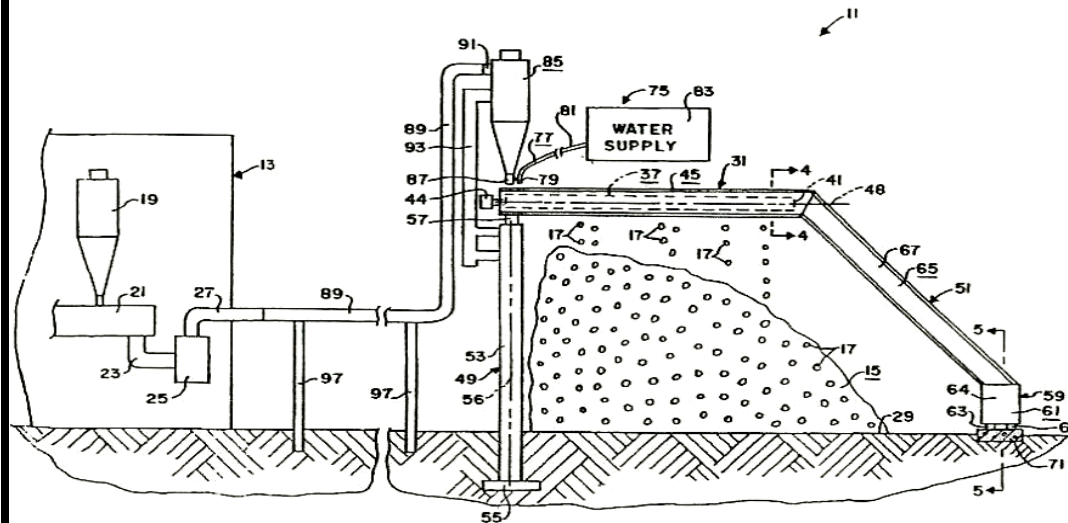
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Primary Examiner—William H. Beisner**Attorney, Agent, or Firm**—Walker, McKenzie & Walker, PC**[57] ABSTRACT**

An apparatus and method for using cotton gin trash or the like to build a compost pile. The apparatus includes a support surface for supporting a compost pile with at least a portion of the support surface being porous; a conveyor for conveying compostable material along a path above the support surface and for dispensing the compostable material onto the support surface; and a mechanism for adding a fluid to the compostable material as the compostable material is received in the inlet of the conveyor.

6 Claims, 3 Drawing Sheets

**Issaquena-South Washington Gin
Glen Allen, MS**

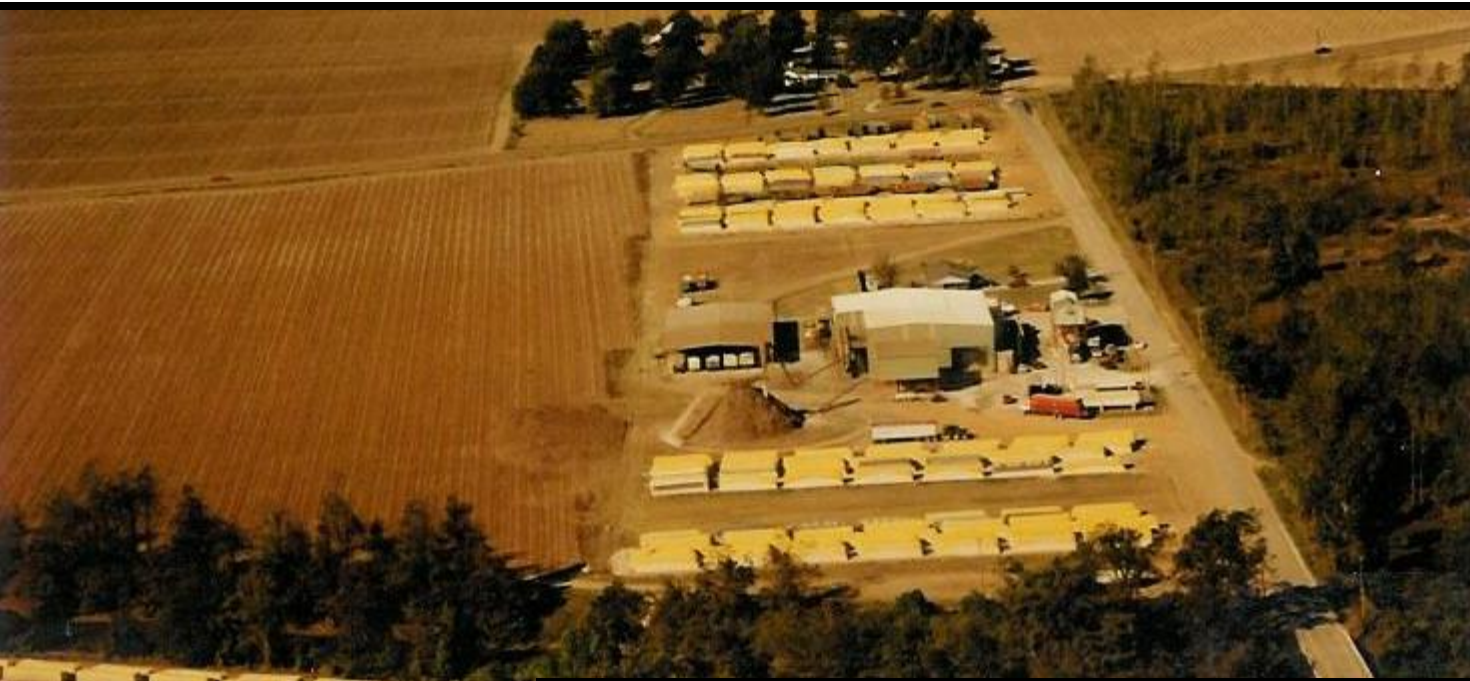


Just Nice

Delta Gold Gin Drew, MS



**Burdette Gin
Leland, MS**



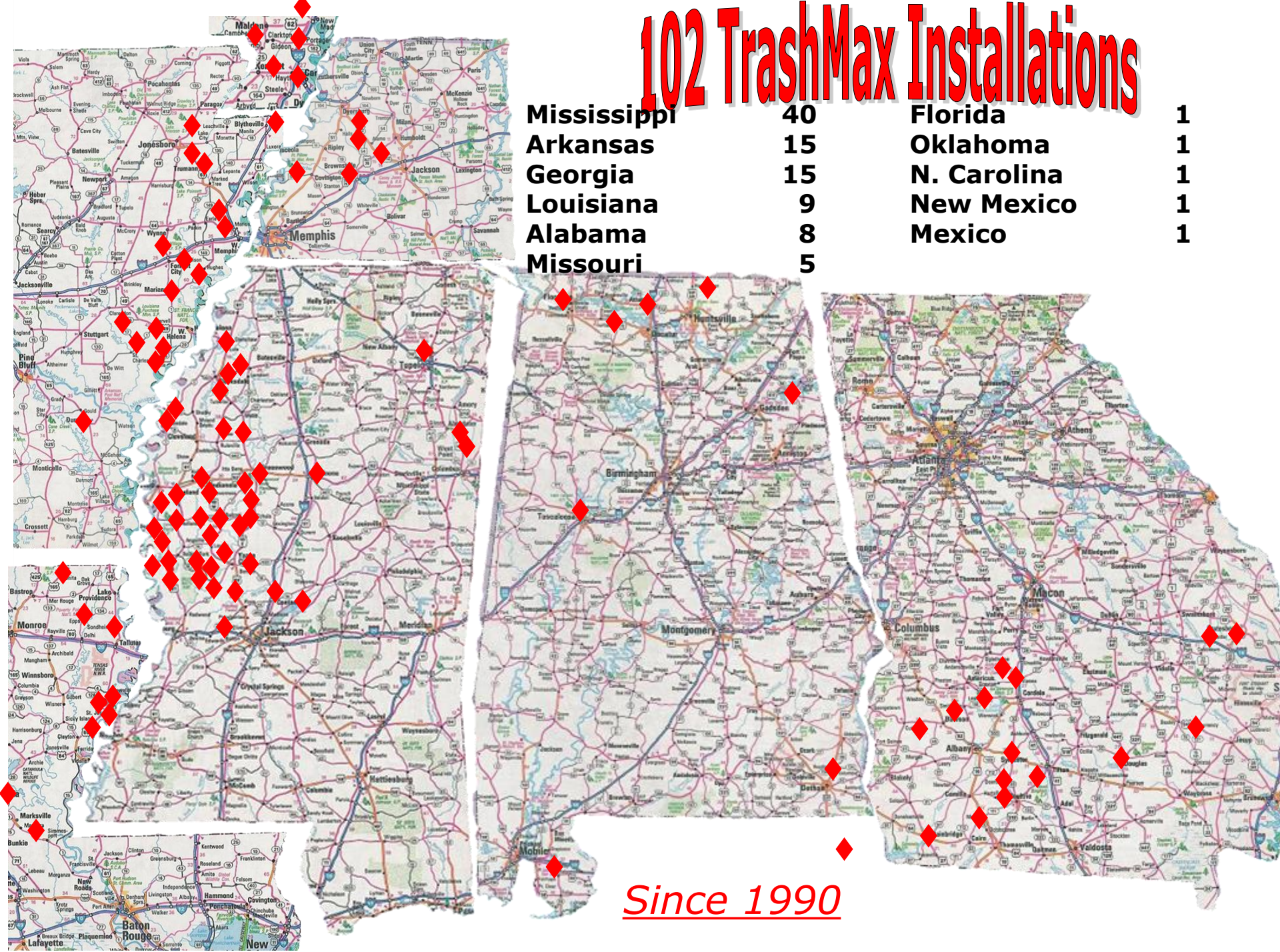
Take a look at this map.
Notice how close these gins
are to each other!

If they didn't work
the neighbors
wouldn't buy one!

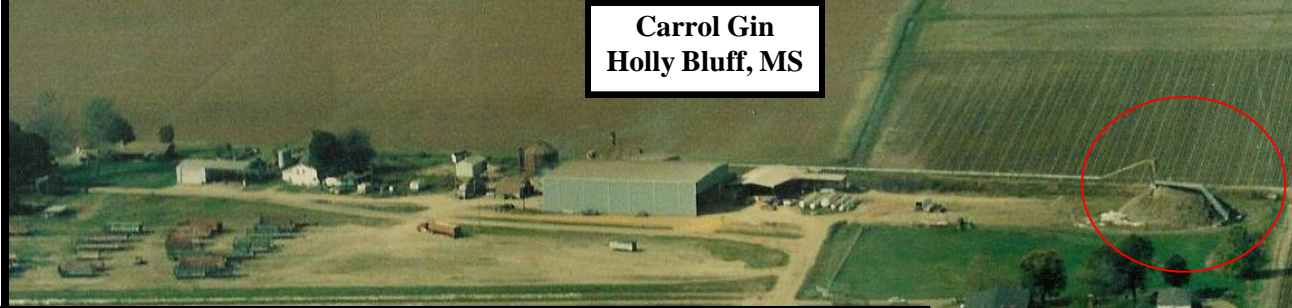
102 TrashMax Installations

Mississippi	40
Arkansas	15
Georgia	15
Louisiana	9
Alabama	8
Missouri	5

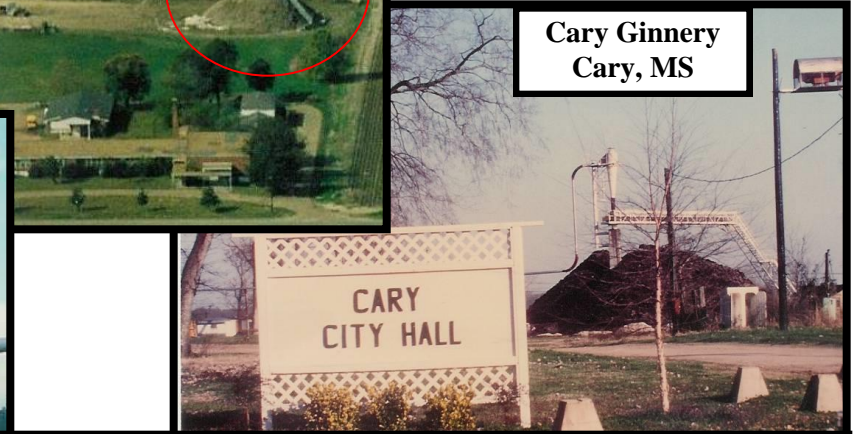
Florida	1
Oklahoma	1
N. Carolina	1
New Mexico	1
Mexico	1



Carrol Gin
Holly Bluff, MS



Cary Gin
Cary, MS



Funston Gin
Funston, GA



Tillman Producers Co-op
Frederick, OK



Crocket Gin Co.
Maury City, TN



Lagniappe Cotton Gin
Hamburg, LA



Matthews Cotton Company
Matthews, MO
Installed 2005



**There are 7
organizations that
own more than one
TrashMax.**

Marianna, AR



In 1993 McClendon, Mann, & Felton Gin purchased a TrashMax for a new plant in Marianna, AR. Another TrashMax was purchased 12 years later in 2005 for their new plant in Hughes, AR.

Hughes, AR



This is a series of pictures taken Fall 2005 of the TrashMax on the new McCLEndon, Mann, & Felton Gin Plant in Hughes, AR.







All hot dipped galvanized construction



17

**TrashMax Systems
have been installed in
new gin construction**



This TrashMax was purchased for the new Scruggs & Vaden plant in Florence, AL in 2004. Scruggs Gin in Tupelo, MS has had a TrashMax since 1995.

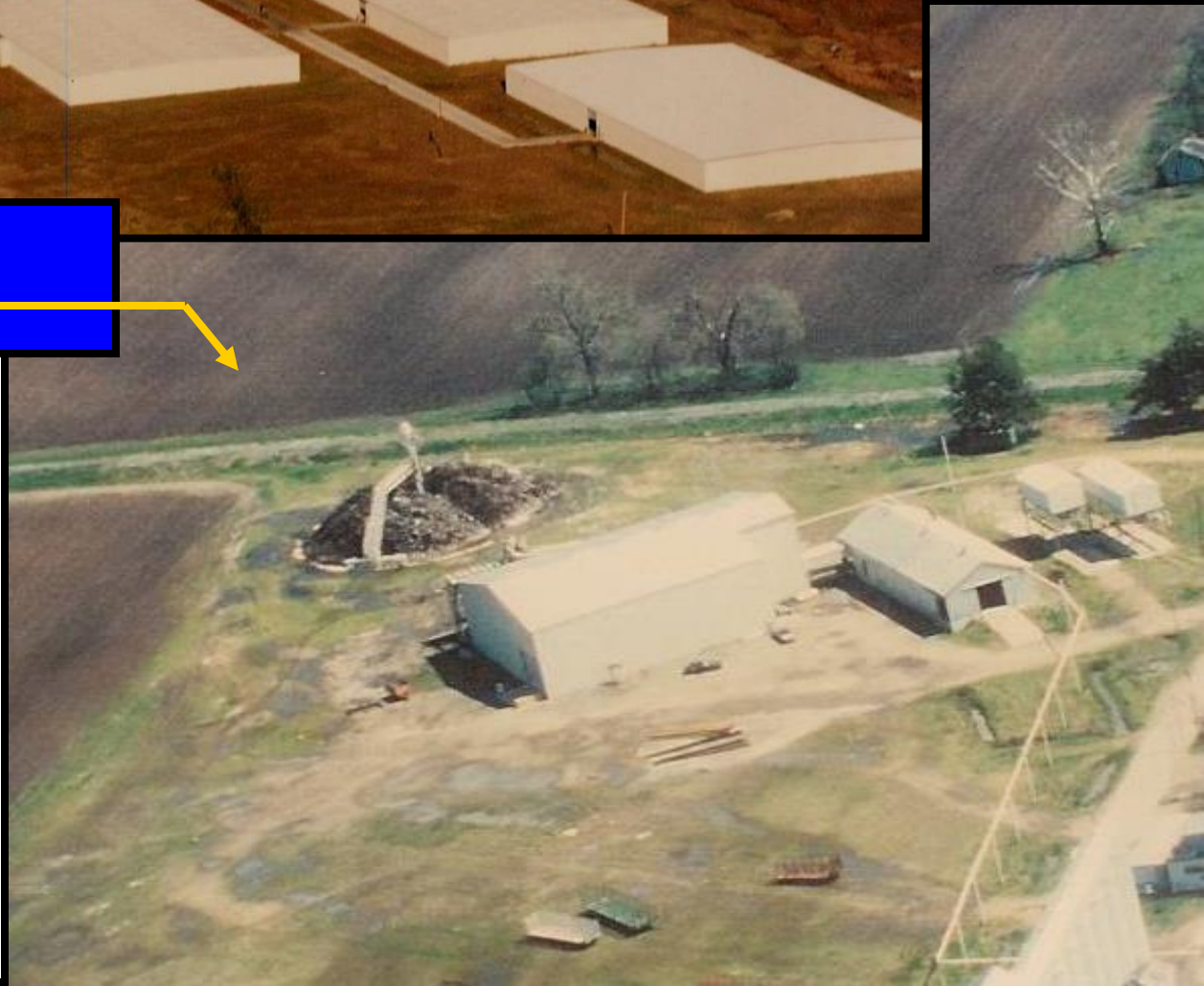


Service Co-op Gin in Marvell, AR installed this TrashMax in 2004.
Service Co-op also owns a smaller gin that has had a TrashMax since 1998

Griffin
Gin
#1



Griffin Gin #2



Griffin Gins
purchased
2 TrashMax systems
in 1992 for both of
their plants.
Mr. Billy Ussery
870-827-3291

Silver Creek Gin Company, Holly Bluff, MS
First TrashMax was purchased in 1994. In 2001 a new plant
was built on the same
site and another TrashMax was purchased to handle the
increased volume.



The patented circular piling design holds **ALL** of your gin trash,
so you can gin cotton, **NOT MOVE GIN TRASH!**

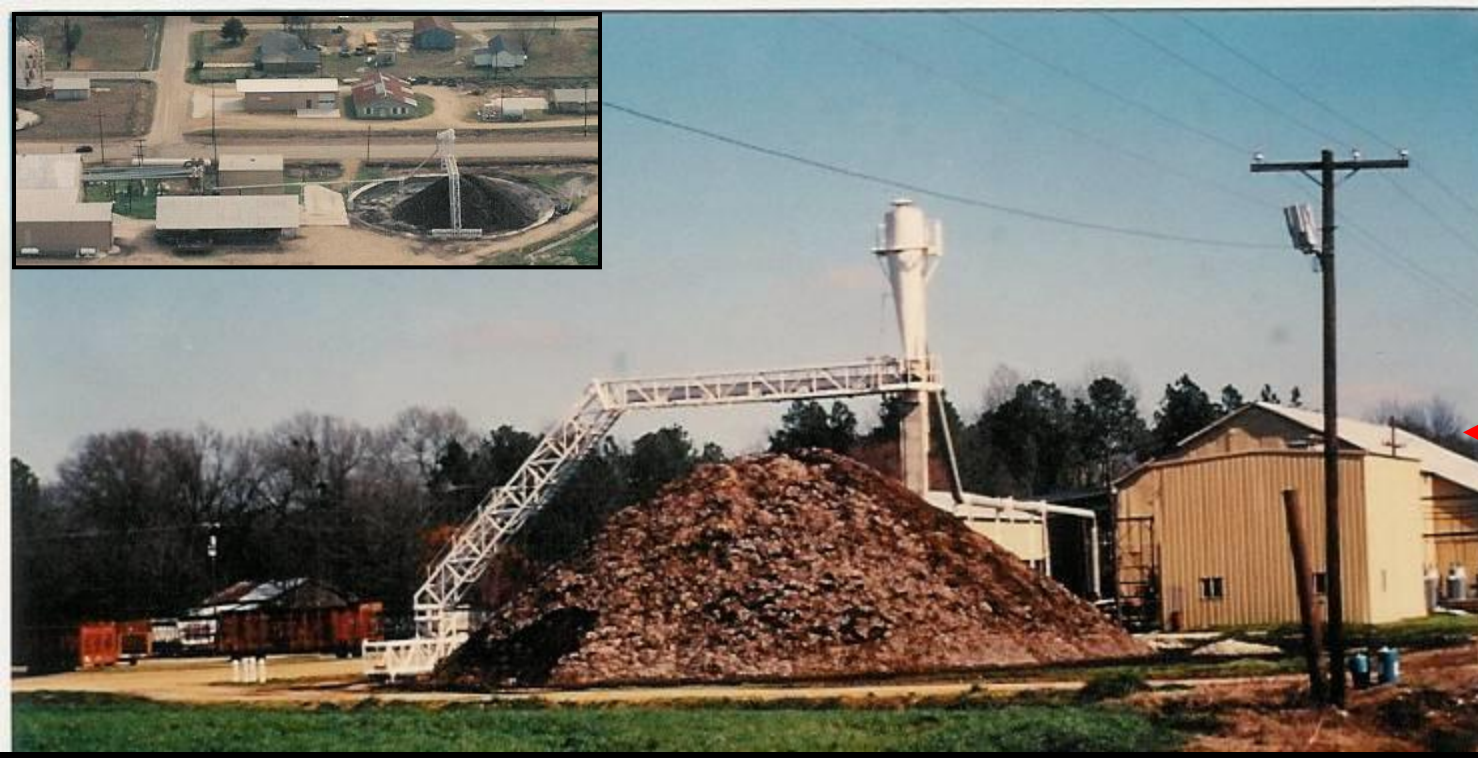


4 sizes
from 15,000 to 65,000 bales



Four Corners Gin Co., Inc.
Meigs, GA

**Morgan City
Gin
Morgan City,
MS**




**Berkley Gin
Chatham, MS**



Quality Gin

Dunn, North Carolina





**Bought because trash
trailer had set 10 modules on fire!**

Mattson Gin Inc.
Dublin, MS

NO DUST

NO LABOR

NO DRIVERS LICENSE

NO DOWNTIME

NO MORE STUCK IN THE MUD

NO FIRE

while you're ginning!

*That's why the TrashMax
is the answer to the gin trash
problem for over 100 gins!*

**The TrashMax
is the best way
to maintain
your gin yard!**

This picture was taken after the 13th season with this TrashMax.
NO OTHER system will give you a cleaner, more maintainable gin yard!



**Installed
2001**

**TrashMax
IV
55,000 Bales**



**Mid-Delta Cotton Processors
Belzoni, MS**

Omega Gin Company
Omega, GA
Installed on New Plant
1995



CLEAN

PUBLIC SCHOOL



Composting



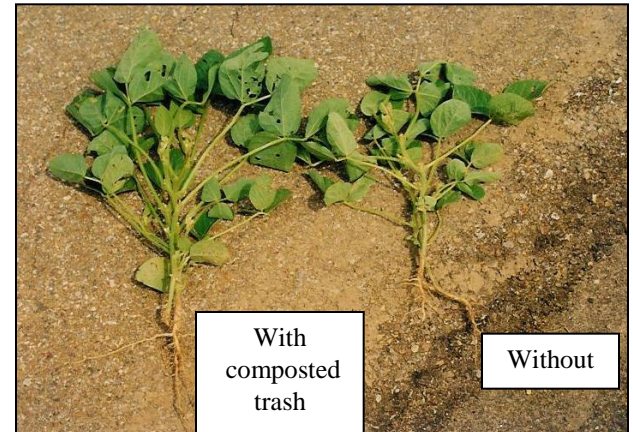
Effectively adding the right amount of water kills dust & fire from the gin, and promotes composting.



Composted gin trash...



1. has fewer weed seeds & diseases
2. is reduced in volume from raw trash
3. handles much easier than raw trash
4. makes applied fertilizers more useable by plants
5. increases yields up to **400 lbs.** of lint/acre & **20 bushels** of beans/acre



Give your growers something they can use!

Spring
Notice how the volume of the pile has reduced since fall!



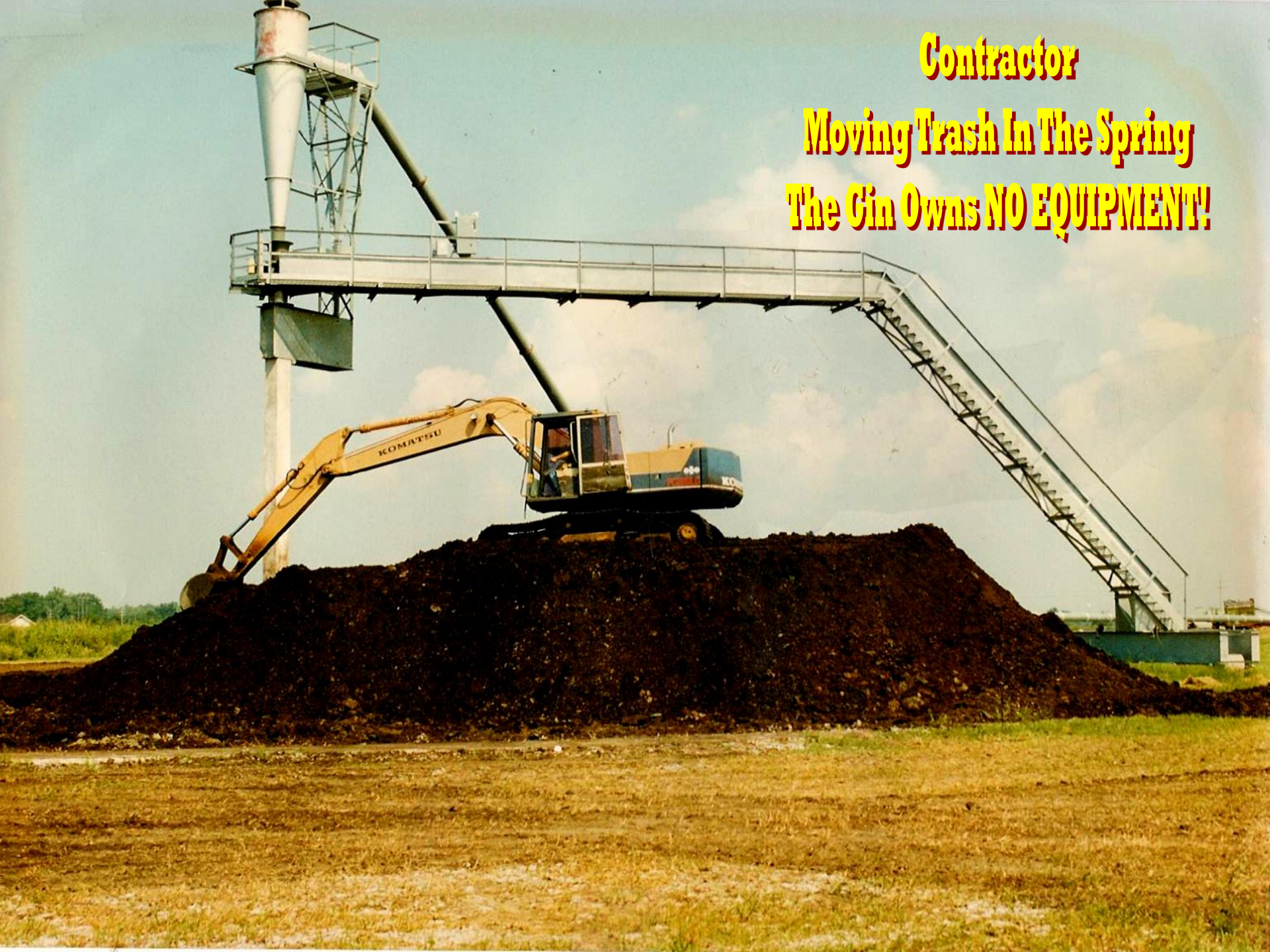
Jones
Producers
Gin



February

**Count the
Ridges!
Moved Only
16 Times
To Gin
58,584
Bales!**

Contractor
Moving Trash In The Spring
The Cin Owns NO EQUIPMENT!



Bruton Gin / Hollandale, MS

Bruton Gin uses an excavator in the winter to “walk” the pile down.

This makes it easy for tractors with dirt pans to drive over the pile and load so they can spread the composted gin trash on nearby fields.



When the gin season was over this trash was spread on a nearby field in 3 days using a tractor and pan.



This gin
piles their
trash near a
highway
and sells it
all summer
long!



Funston Gin Co.

Funston, GA

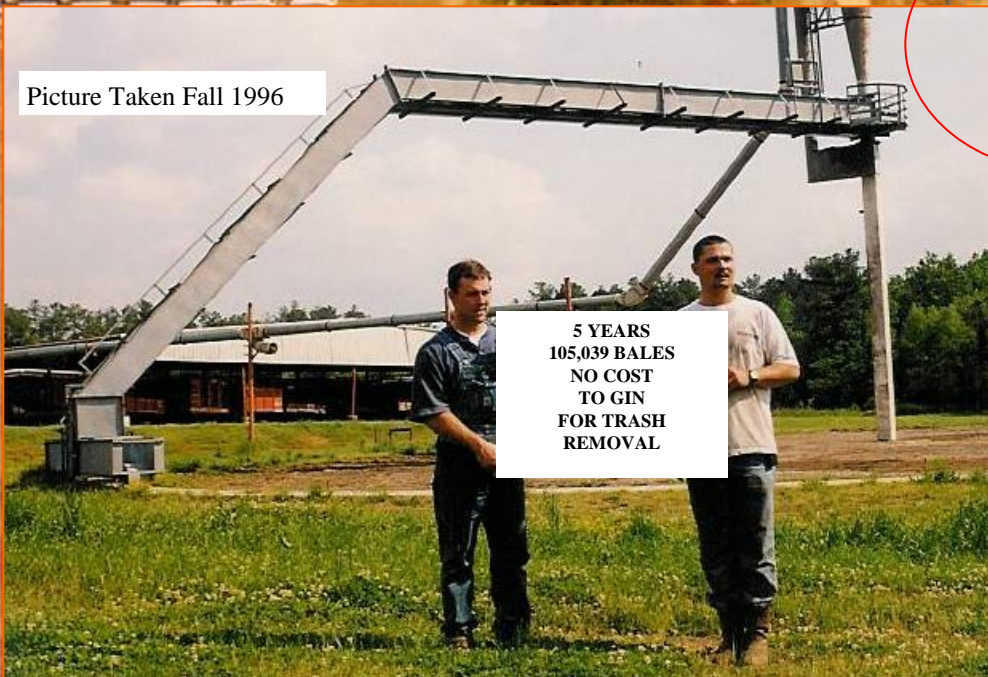
Notice the reduction in volume
look at how much the pile has reduced in volume since fall.



Fall 1994



Picture Taken Fall 1996



5 YEARS
105,039 BALES
NO COST
TO GIN
FOR TRASH
REMOVAL

Madison-Rankin Gin Inc.

Canton, MS

New Peoples Gin Co. Inc.

Holly Grove, AR

**TrashMax
I**

**Up To
15,000 Bales**



**Neal Skipper
870-462-3732**

Fall 1994

Big Creek Gin Co. Inc.
Lyon, MS

TrashMax
I
15,000 Bales

Fall 1994
Ginning Cotton
***No Dust**
***No Fire**
***No Labor**

John Laney, Jr.
George Gammill
662-625-5233



Delta Cotton Co-op
Marmaduke, AR
870-597-2741



Lula Gin Lula, MS





Lipsey GinTech also manufactures the Round Module Flipper for roller bed, chain bed, and moving floor module feeders.

Covered by
U.S. Patent Number 8,596,944