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UNITED STATES DEPARTMENT OF AGRICULTURE

AGRICULTURAL RESEARCH ADMINISTRATION
BUREAU OF PLANT INDUSTRY, SOILS, AND
AGRICULTURAL ENGINEERING

DIVISION OF
AGRICULTURAL ENGINEERING

TILLAGE MACHINERY LABORATORY
AUBURN, ALABAMA

April 13, 1945

Mr. D. S. Weaver, Head
Agricultural Engineering Department
North Carolina State College
Raleigh, North Carolina

Dear Mr. Weaver:

We have developed what we call a tedder type peanut shaker and had hoped to get some of the machines produced on a commercial basis but find that all manufacturers are so tied up with their regular production they cannot take it on. We have prepared relatively complete plans and specifications for this shaker and are enclosing a set for your files. We have sent this material to a number of farmers and farm organizations that have expressed interest and indicated that they may be able to build one or more of the machines.

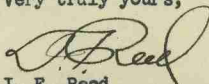
We have spent three harvest seasons on the development of this peanut shaker and feel that it works quite satisfactorily. We handled over 400 acres of peanuts with two machines last fall. Farmers stated that they knocked off fewer peanuts than side-delivery rakes and that because of the loose windrow a crew could stack 25 to 30 percent more peanuts behind the shaker.

In addition to the above shaker we have developed a single row digger-shaker than can be handled with mules. It is a heavy load for two mules but light for four. Farmers that have used it speak highly of it. We have not developed plans, however, as it appears that the cost would be too high for the small farmer.

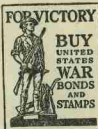
If this shaker looks okeh to you and you should have inquiries asking what equipment is available, feel free to mention our shaker. We can make a few more sets of plans available to farmers or organizations that have facilities for building this relatively complicated machine.

We have developed also a farm size peanut sheller designed especially for handling seed peanuts. This sheller will handle 300 pounds per hour and splits less than 2 percent. We will be glad to send you plans when available if you are interested.

Very truly yours,



I. F. Reed
Sr. Agricultural Engineer



Enclosures

April 18, 1945

Mr. I. F. Reed,
Senior Agricultural Engineer,
United States Department of Agriculture,
Tillage Machinery Laboratory,
Auburn, Alabama.

Dear Mr. Reed:

This is to thank you for sending me the plans for a "tedder type peanut shaker."

I also notice that you are planning to prepare a diagram showing the construction of a farm size peanut sheller for handling seed peanuts. When these plans are ready I certainly would appreciate receiving a copy of them.

I have not had time to discuss this peanut shaker with the persons interested in peanut work here at the College but will do so in the near future.

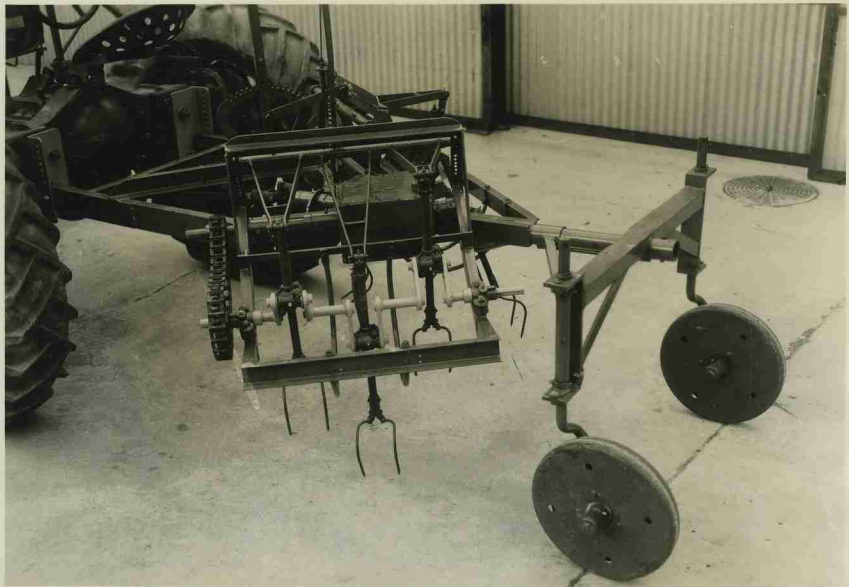
I feel sure that you have done a good job on this machine and should occasion arise I will be glad to refer interested parties to you.

With best wishes, I am

Yours very truly,

David S. Weaver, In Charge
Agricultural Engineering Extension

DSW:FB

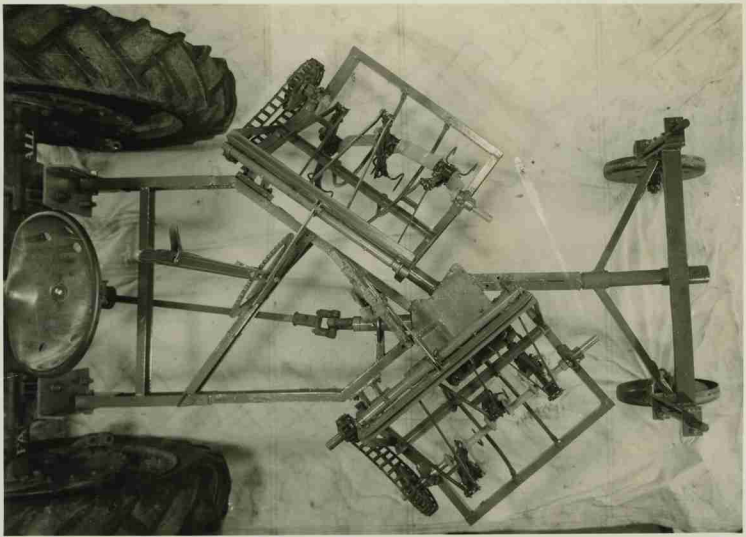


Negative No. R203a Date MAR 10 1945

Taken by _____

Location Farm Engineers Machinery Laboratory,
1000 13th Avenue, S.W.,

Subject Fig. 1



Negative No. R203c Date MAR 19 1945

Taken by _____

Location Farm Tillage Machinery Laboratory
Box 100, Auburn, Alabama

Subject Fig. 2