

T. L. BRUMBACK.
TOOTH FOR HUSKING ROLLS.
APPLICATION FILED MAY 15, 1908.

947,787.

Patented Feb. 1, 1910.

Fig. 1.

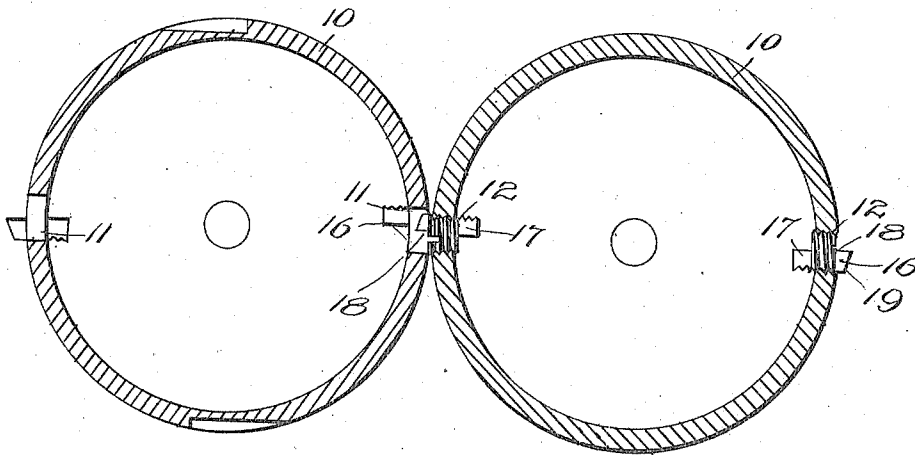


Fig. 2.

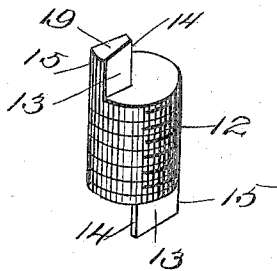


Fig. 3.

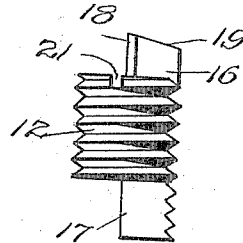


Fig. 5.

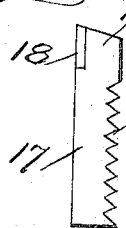


Fig. 6.

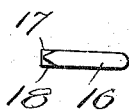
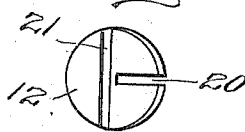


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

THEODORE L. BRUMBACK, OF STANLEYTON, VIRGINIA.

TOOTH FOR HUSKING-ROLLS.

947,787.

Specification of Letters Patent.

Patented Feb. 1, 1910.

Application filed May 15, 1908. Serial No. 433,092.

To all whom it may concern:

Be it known that I, THEODORE L. BRUMBACK, a citizen of the United States, residing at Stanleyton, in the county of Page and State of Virginia, have invented certain new and useful Improvements in Teeth for Husking-Rolls; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to teeth for husking rolls and has for an object to provide a tooth embodying improved features of economy, convenience and successful operation.

Broadly speaking the object of the present invention is to provide a tooth similar to the tooth disclosed in co-pending application No. 307,501, filed March 22, 1906, for a corn husker, and also to provide a slightly modified and improved form of tooth.

A further object of the invention is to provide in a husker tooth means for connecting the tooth to the husker rolls and providing improved upstanding means adapted to remove the husks from ears without shelling the corn.

Specifically the object of the invention is to provide a husker tooth having a screw-threaded portion adapted to be inserted into a screw-threaded aperture on the husker roll and with an upstanding portion reduced in thickness at its forward or operating edge adapted to pass between the kernels upon an ear and to remove the husks engaged.

A further object of the invention is to provide the upstanding beveled portion adjustable so that it may be advanced as required by wear.

With these and other objects in view, the invention comprises certain novel constructions, combinations and arrangements of parts, as will be hereinafter fully described and claimed.

In the drawings:—Figure 1 is a view in transverse section of a pair of co-acting husker rolls showing the improved tooth in association therewith. Fig. 2 is a perspective view of the improved tooth similar to the tooth exhibited in Fig. 11 of the above-mentioned co-pending application. Fig. 3 is a view in side elevation of a slightly modified form of tooth. Fig. 4 is a top plan view of the screw-threaded plug. Fig. 5

is a view in side elevation of the tooth strip removed from the plug. Fig. 6 is an end view of the tooth strip.

Like characters of reference designate corresponding parts throughout the several views.

The improved tooth forming the subject-matter of the present application is adapted for use in association with husking rolls of the usual and ordinary type here shown at Fig. 1 as composed of pipes 10 shown with openings 11 positioned to permit the teeth of opposing rolls to pass through such opening to prevent breakage of the parts. The rolls are also provided with openings so positioned as to register with the openings as the rolls rotate and within such openings screw-threaded plugs 12 are seated; employed to maintain the tooth in proper position and may, in some instances, form a part of the tooth.

Extending above the plug body 12 is a tooth member 13 formed entirely upon one side of the center of the plug member 12 and forming substantially a radius of the circle of such plug. The side of the tooth member nearest the center of the circle of the plug is the operative side and the tooth is beveled so that the forward side 14 is narrower transversely than the rearward side 15. It is not material that such beveling extend throughout the entire extent of the tooth, but the tooth may be of substantially the same thickness throughout the greater portion of its extent with only the forward edge 14 beveled. An example of such formation is shown in Figs. 1, 3, 5 and 6 where the tooth member 16 is formed upon a strip 17 with only the forward or operating edge beveled as at 18. The end of the tooth member is also preferably beveled as at 19 at an angle to the axis of the plug 12. When the tooth member is formed upon the separate strip the plug 12 is formed with a slot 20 within which the strip 17 is seated and the strip is provided with notches corresponding and registering with the screw-threads formed upon the body of the plugs 12 as shown particularly in Fig. 3. It will thus be seen that when the strip 17 is seated in the plug 12 the notches 20 register with the screw-threads to form continuous screw-threads about the plug and strip. To insert and remove the plug 12 from the

pipes 10 any approved means is employed as the nick 21 within which a screw-driver of ordinary type may be inserted.

When the tooth member 16 wears away
5 by use the plug 12 may be removed from the pipe 10 and the strip 17 raised one or more notches to correspond with one or more threads of the plug 12 and the upper end dressed away to extend the bevel 18 down-
10 wardly to the top of the plug. With the employment of the tooth member formed from a strip it will be seen that considerable wear is provided for while a thin tooth is secured capable of passing between the
15 grains of corn upon a cob when the tooth in operation extends through the husks and thereby reduces the shelling action to a minimum.

While the tooth here shown is designed
20 for use in association with the husker forming the subject-matter of the co-pending application referred to it is obvious that it may be employed with any form of husking rolls.

25 What I claim is:—

1. A husking roller tooth consisting of a

screw-threaded plug provided with a radial slot, a tooth strip seated within the slot and provided with notches registering with the screw threads of the plug.

2. A husking roller tooth consisting of a
30 screw-threaded plug provided with a radial slot, of the cylinder, a tooth strip positioned within the slot and presenting an operative edge adjacent the axis of the plug, and teeth
35 formed upon the strip positioned to register with the screw threads of the plug.

3. A husking roller tooth consisting of an externally screw-threaded plug provided
40 with a slot, a tooth strip positioned within the slot, and presenting a beveled operative edge adjacent the axis of the plug, and teeth
45 formed upon the edge of the strip proportioned to register with the screw threads of the plug.

In testimony whereof I affix my signature in presence of two witnesses.

THEODORE L. BRUMBACK.

Witnesses:

F. W. GROVE,
J. S. PRICE.