W. D. BAIRD.

POPCORN PARCHER.

APPLICATION FILED MAY 31, 1910.

995,762.

Patented June 20, 1911.

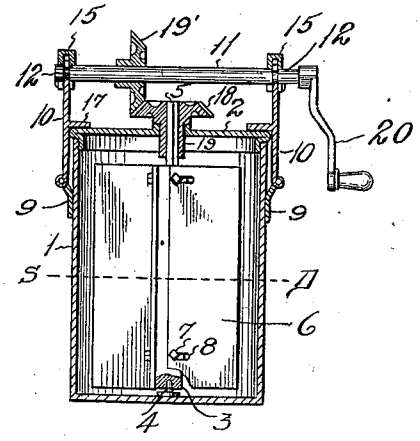

Fig. 1.

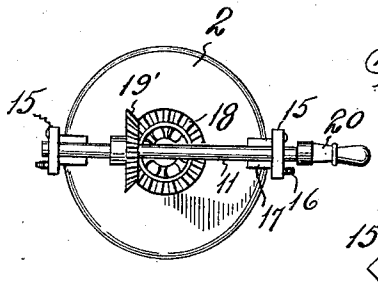

Fig. 2.

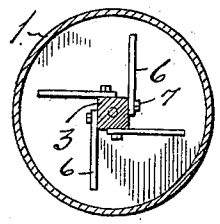

Fig. 3.

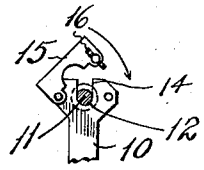

Fig. 5.

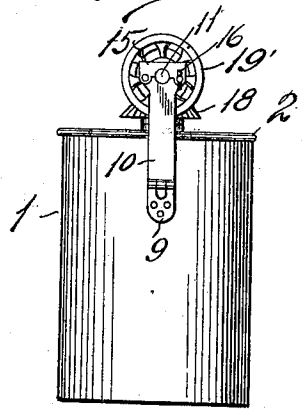

Fig. 4.

WITNESSES:

L. E. Noack.

J. B. Bowling

INVENTOR

W. D. Baird.

BY Sibley & Davis

ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIE D. BAIRD, OF ANNONA, TEXAS.

POPCORN-PARCHER.

995,762. Specification of Letters Patent. **Patented June 20, 1911.**

Application filed May 31, 1910. Serial No. 564,213.

To all whom it may concern:

Be it known that I, WILLIE D. BAIRD, citizen of the United States, residing at Annona, in the county of Red River and State of Texas, have invented certain new and useful Improvements in Popcorn-Parchers, of which the following is a specification.

My invention relates to new and useful improvements in pop-corn parchers and more particularly to that class of parchers which employs beaters for stirring the corn while it is being parched.

The object of the invention is to provide a pop-corn parcher having a beater with adjustable blades arranged to stir the corn while it is being parched and means for operating the beater.

Another object of the invention is to provide a pop-corn parcher having a vertical beater and means for operating the beater wherein the operating means can be attached and removed from the beater and the receptacle in which the beater is operated.

Finally the object of the invention is to provide means of the character described that will be strong, durable, efficient, and easy of operation, simple and comparatively inexpensive to construct, and also in which the several parts will not be likely to get out of working order.

With the above and other objects in view, the invention has relation to certain novel features of construction and operation, an example of which is described in this specification and illustrated in the accompanying drawings, wherein:

Figure 1 is a transverse vertical section of my invention, Fig. 2, is a plan view of the same, Fig. 3, is a horizontal section taken on the line S—D of Fig. 1, Fig. 4, is a side elevation of my device, and Fig. 5, is an enlarged detail showing the clamp for holding the horizontal shaft in position.

In the drawings the numeral 1 designates a cylindrical receptacle having a cover 2. A vertical square shaft 3 rests on a trunnion 4 in the bottom of the receptacle, and has a reduced portion 5 which extends through the cover 2. On this shaft beater blades 6 are held by set screws 7 which pass through a slot 8 in the beater blades and into the square shaft. By loosening these set screws the beater blades may be adjusted in or out with relation to the square shaft.

Plates 9 are riveted to the receptacle at either side and are, at their upper end, hingedly connected with vertical bearing standards 10 which support a horizontal shaft 11. The shaft 11 has a reduced portion 12 forming shoulders near its ends. This reduced portion 12 is made to fit snugly in a slot 14 at the upper extremity of the standard 10. The shoulders formed by reducing the shaft rest against the sides of the standards and prevent longitudinal displacement of the shaft, while a yoke shaped clamp member 15 pivoted to one side of the standard is fixed to be swung down over the shaft and held in juxta-position by a thumb screw 16 which engages with the other side of the standard.

To reinforce the standards 10 and to hold the cover 2 on the receptacle when the standards are in a vertical position, I have provided a lug 17 made integral with the standard intermediate its ends. These lugs rest on the cover 2 and hold it firmly in position when the standards are swung up to support the shaft 11. When the shaft 11 is removed and the standards are allowed to assume the position shown in dotted lines in Fig. 1, the lugs form convenient handles for carrying the receptacle after the same has been heated.

A miter gear 18 rests on the cover 2 and carries a sleeve 19 adapted to pass through the cover and to engage with the reduced portion 5 of the beater shaft 3. This miter gear meshes with a miter gear 19′ fixed on the shaft 11 and transmits motion to the beater shaft 3 and the beater blades 6 hereinbefore described.

On one end of the shaft 11 I have provided a crank 20 by which the shaft 11 may be rotated. It is to be noted that after the shaft 11 has been removed by raising the yoke shaped clamp member 15 as is shown in Fig. 5 and by lifting the shaft from the slots 14 in the standards that the gear 18, cover 2 and beaters may all be lifted from their relative positions to allow the corn which has been parched to be removed readily.

What I claim is:

In a pop-corn parcher, the combination with a receptacle, an agitator mounted in the receptacle, a driving shaft, driving connections between the shaft and agitator, and a cover fitting in the receptacle and through

which the agitator extends, of a pair of vertical standards hinged at their lower ends to the sides of the receptacle, said standards being mounted in opposed relation, a lug extending inwardly from each standard and frictionally engaging on top of the cover, said lugs being disposed intermediate the ends of the standards, and provision at the upper end of the standards for removably receiving the shaft whereby said standards may be swung laterally to release the lugs from the cover.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIE D. BAIRD.

Witnesses:
B. F. BAKER,
J. L. CRUCE.