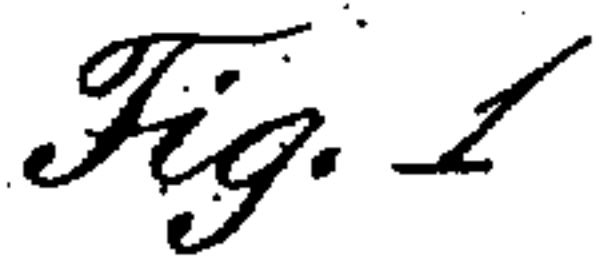


**979,388.**

2 SHEETS--SHEET 1.



E. Larson  
Charles Wilcox

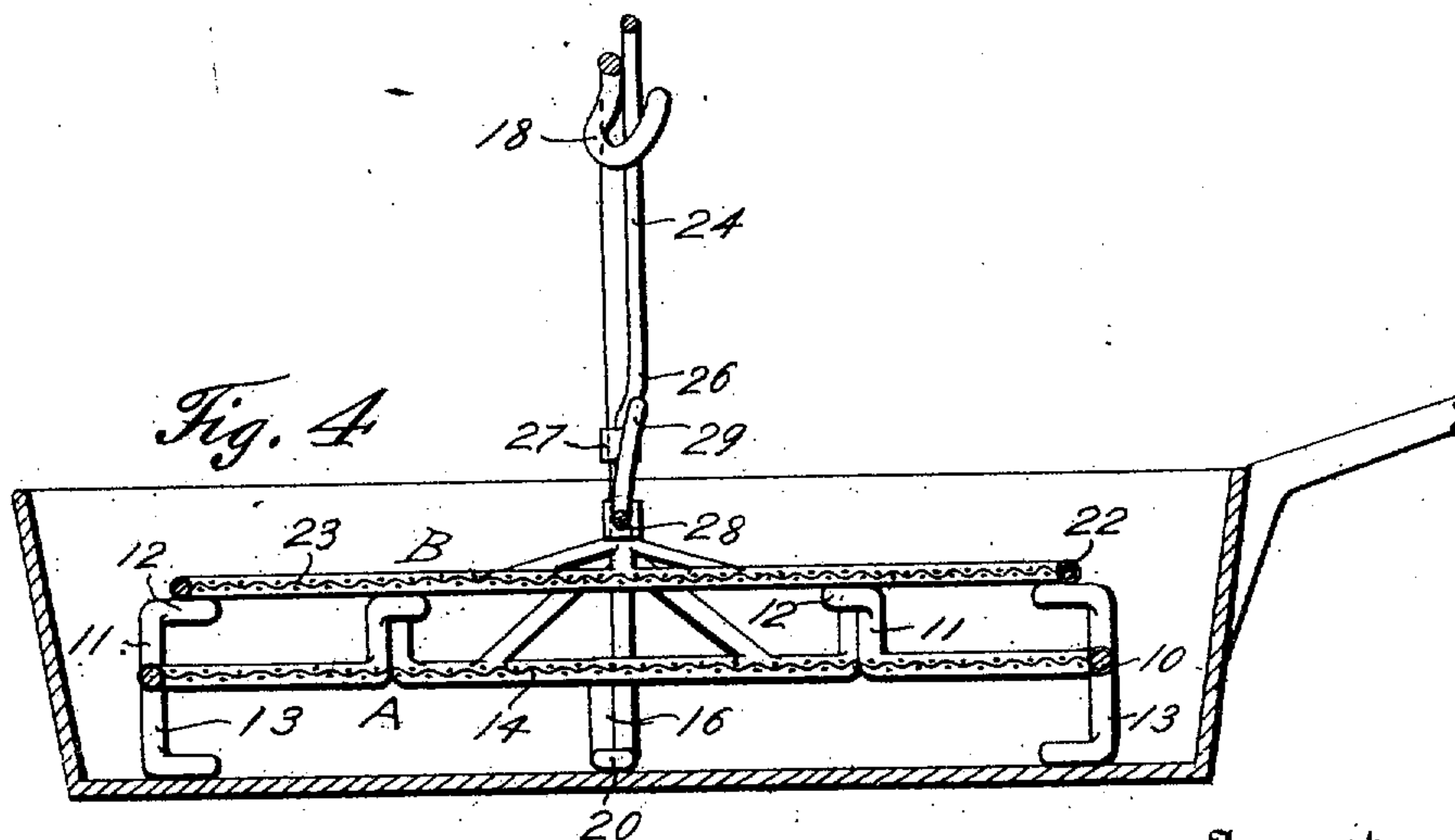
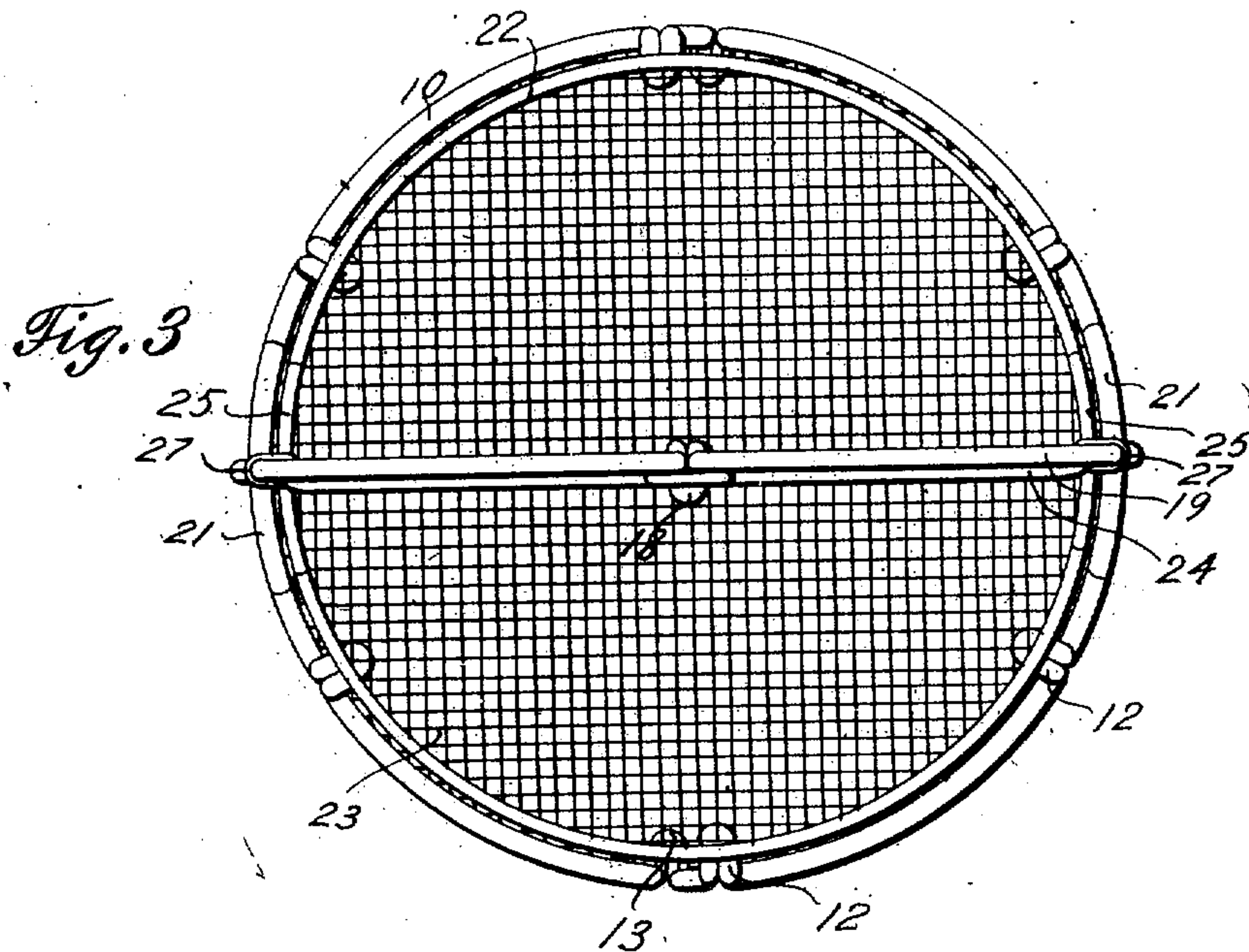
T. E. Ericson,  
clerk of the  
Attorneys.

T. E. ERICSON.  
DOUGHNUT DIPPER.  
APPLICATION FILED DEC. 13, 1908.

Patented Dec. 20, 1910.

2 SHEETS—SHEET 2.

979,388.



Witnesses

*E. Larson*  
*Charles Wilson*

Inventor

*T. E. Ericson*  
*By Beeler & Noble*  
Attorney



# UNITED STATES PATENT OFFICE.

THOURSTEN ERIC ERICSON, OF CAMBRIDGE, MASSACHUSETTS.

## DOUGHNUT-DIPPER.

979,388.

Specification of Letters Patent.

Patented Dec. 20, 1910.

Application filed December 13, 1909. Serial No. 532,839.

*To all whom it may concern:*

Be it known that I, THOURSTEN E. ERICSON, a subject of the King of Sweden, residing at Cambridge, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Doughnut-Dippers, of which the following is a specification.

This invention relates to cookers, more particularly to doughnut cookers and is designed to facilitate the speed with which the same are fried and preventing them from being burned.

A further object of this invention is to construct a device of this type and character which will not only evenly fry the doughnuts but will give them uniform color due to the fact that the grease in which they are being cooked is thoroughly circulated about the doughnut.

This invention also contemplates a means whereby the doughnuts may be lifted from the pan without any injury being imparted thereto and at the same time removing all grease therefrom.

With the above and other objects in view this invention consists in the construction, combination and arrangement of parts all as hereinafter more fully described, claimed and illustrated in the annexed drawings, wherein:

Figure 1 is a perspective view of a device constructed in accordance with the present invention; Fig. 2 is a vertical longitudinal section taken along the plane of the bails; Fig. 3 is a top plan view; Fig. 4 is a section taken at right angles to the plane of the bails, showing the device in a cooking vessel.

Throughout the following detail description, similar parts are referred to by like reference characters.

The doughnut cooker forming the subject-matter of the present invention comprises the supporting screen indicated in general as A and the retaining screen designated as B. The supporting screen A comprises a ring 10, of any suitable material, preferably wire, which at regular intervals has the legs or supports 11 projecting upwardly therefrom. These supports are constructed integrally with the ring, the same being looped upwardly and said loops compressed. The upper terminals of the legs are bent inwardly to form the supporting arms 12 for the retaining screen B. Diametrically disposed legs 13 are similarly formed on the

under side of said ring, and in combination with the supports formed from the bail, hereinafter more fully described, supply means whereby the screen may be spaced from the bottom of the pan wherein the doughnuts are being cooked. A screen 14 is secured in any usual or desired manner to the interior of the ring 10 and is constructed of wire gauze. A bail 15 is formed on the ring 10 and comprises a length of wire, the terminals of which are secured to the ring and are bent upon themselves to form the legs 16, the lower extremities of which are bent inwardly forming the feet 20. The bail is then bent outwardly at 17 to insure its passage over the ring 10, and extends upwardly in a manner peculiar to bails. A hook 18 is centrally formed on the handle portion 19 by looping the same and compressing and curving said loop in such a manner that the same projects partially on both sides of said handle portion. The bail is provided with the converging braces 21 which stiffen the same and insure the permanency of the structure.

The upper or retaining screen B is constructed somewhat similar to the supporting screen, having the ring 22 to which is attached the screen 23. A bail 24 is secured to the ring 22 in any desired manner and is supported and braced thereon by the braces 25. This bail is bent slightly at 26 to permit the same to reciprocate to one side of the handle portion 19 of the bail 15. Pairs of sleeves 27 engage the bail 15 and the bail 24 directly below the curve 26 and form a means of securing the retaining screen to the bail of the supporting screen in such a manner that the same may move vertically. A transverse bar 28 is interposed between the lower of the sleeves 27 and is provided with a central loop 29, said loop curving slightly in the direction of the curve 26 and is adapted to engage the hook 18 when said screen is raised.

In operation the upper retaining screen B is raised so that the loop 29 engages the hook 18. The device is thus placed in the vessel containing the grease and is spaced from the bottom thereof by the legs 13 and 16, after which the doughnuts are placed upon the screen A and the retaining plate or screen is lowered. In this manner the grease circulates through the screens and reaches all sides of the doughnuts or articles cooked, and as a result imparts a uniform crispness



and color thereto. Due to the fact that the doughnuts are supported from the bottom of the vessel by the screen 14, the same are prevented from coming in contact therewith and consequently the danger of the same becoming burned is eliminated.

When the doughnuts are thoroughly fried the entire device is lifted from the vessel by the bail 15, the grease dripping through the screens and becoming entirely removed from the doughnuts.

The present invention is not limited to cooking doughnuts but may be used in all cases where it is necessary to fry in a large quantity of grease.

It will further be noticed that upon raising the retaining screen B through the medium of the bail 24 the loop 29 snaps over the hook 18, due to the curve supplied thereto and the certain resiliency thereof, and as a result provides a secure means of supporting said screen from dropping.

What I claim as new and desire to secure by Letters Patent of the United States is:

1. An article of the class described, comprising in combination with a lower supporting ring carrying a screen, an upwardly extending bail carried by said supporting ring, a hook centrally formed in said bail projecting on one side thereof, an upper ring adapted to be spaced from said lower ring

and likewise carrying a screen, an upwardly extending bail carried by said upper ring, bands slidably connecting said last named bail to the bail of the lower ring, and means carried by the bail of the upper ring adapted to automatically engage the hook centrally formed in the bail of the lower ring.

2. An article of the class described, comprising in combination with a lower supporting ring carrying a screen, an upwardly extending bail carried by said supporting ring, a hook centrally formed in said bail projecting on one side thereof, an upper ring adapted to be spaced from said lower ring and likewise carrying a screen, an upwardly extending bail carried by said upper ring, bands slidably connecting said last named bail to the bail of the lower ring, a rod interposed between the lower terminals of the bail carried by the upper ring, and an offset loop centrally formed in said rod, said rod and loop being resilient, the latter being adapted to engage the hook formed in the bail of the lower ring.

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

THOURSTEN ERIC ERICSON.

Witnesses:

CONSTANCE ERICSON,  
CHAS. ANDERSON.