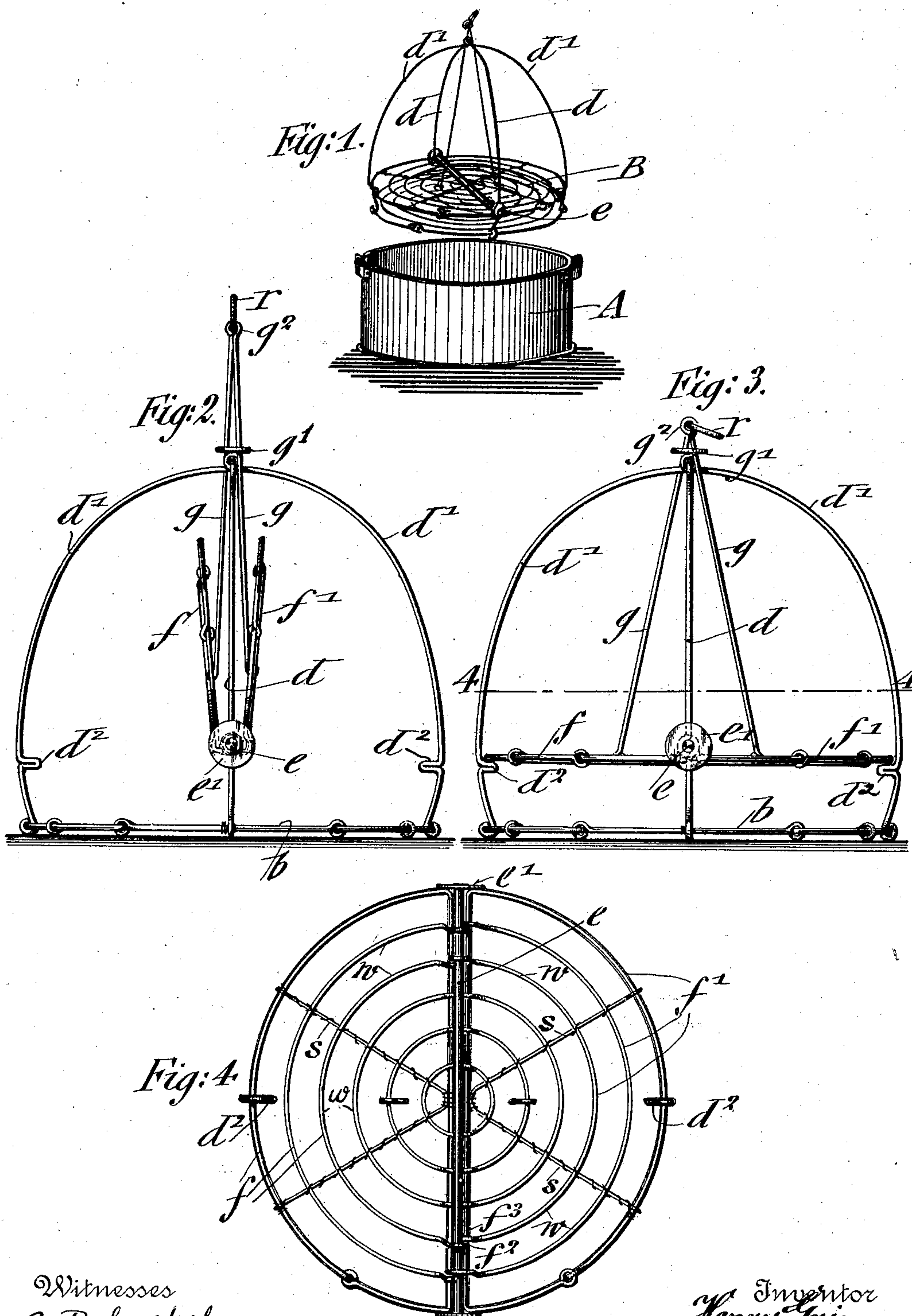


No. 747,700.

PATENTED DEC. 22, 1903.

H. GRIMM.
CRULLER FRYING FRAME.
APPLICATION FILED JULY 11, 1903.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

HENRY GRIMM, OF JERSEY CITY, NEW JERSEY, ASSIGNOR OF ONE-HALF TO
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CRULLER-FRYING FRAME.

SPECIFICATION forming part of Letters Patent No. 747,700, dated December 22, 1903.

Application filed July 11, 1903. Serial No. 165,042. (No model.)

To all whom it may concern:

Be it known that I, HENRY GRIMM, a citizen of the United States, residing at Jersey City, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Cruller-Frying Frames, of which the following is a specification.

This invention relates to cruller-frying frames.

10 The object of the same is to furnish an improved cruller-frying frame by which the crullers are held submerged in the grease until they are fried, when they can all be removed at one and the same time by lifting
15 the frame out of the kettle; and the invention consists of a cruller-frying frame comprising a wire base-frame, a bail-wire attached to said frame, hinged auxiliary wire frames, and means for raising or lowering said hinged
20 auxiliary wire frames; and the invention consists, further, of stationary intersecting bails attached to said base-frame, a transverse shaft hinged to one of said wire bails, inwardly-projecting lugs on the other wire bail,
25 auxiliary wire frames hinged to said shafts, connecting-rods attached to said hinged wire frames, and a locking device for the connecting-rods so as to hold the hinged wire frames in any desired position.

30 The invention consists, further, of certain details of construction, which will be fully described hereinafter and finally pointed out in the claims.

In the accompanying drawings, Figure 1
35 represents a perspective view of my improved cruller-frying frame shown as removed from the cruller-kettle. Fig. 2 is a side elevation of the frame, showing the retaining-frames in raised position for the removal of the finished
40 crullers. Fig. 3 is also a side elevation showing the hinged wire frames in position for holding the crullers submerged in the grease; and Fig. 4 is a plan view, partly in horizontal section, on line 4 4, Fig. 3.

45 Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents the ordinary cruller-kettle in which crullers are fried.

50 B is my improved cruller-frying frame, which is formed of a disk-shaped base-frame

b, constructed in the usual manner of concentric wires *w*, which are connected by diametrical stays *s*. To the base-frame *b* are attached at four points two bail-wires *d d'*, 55 that intercross each other at right angles and are tied together at the point of intersection at their upper ends. One of the bail-wires *d'* is provided with inwardly-bent lugs *d²*, which serve for supporting two auxiliary 60 wire frames *f f'*, of semicircular shape, that are hinged to a transverse shaft *e*. The shaft is movable in the disks *e'*, which are soldered to the transverse bail-wire *d*. The hinged semicircular frame-sections *f f'* are connect- 65 ed by means of eyes *f² f³* with the shaft *e* and are placed in raised position by means of two converging wires *g*, which are pivoted at their lower ends to the hinged wire frames *f f'* and retained at opposite sides of the bail- 70 wire *d* by means of a link *g'*. The upper ends of the connecting wire rods *g* are provided with eyes *g²*, through which is passed a ring *r*, that serves for raising the hinged wire frames *f f'* when filling the frame with 75 crullers and for lowering the hinged wire frames *f f'* for submerging the crullers in the grease in the cruller-kettle and again raising the hinged wire frames when emptying the cruller-frame of the finished crullers. 80

Instead of filling the frame with crullers before submersion the crullers may be dropped into the kettle after the frame, with opened auxiliary wire frames *f f'*, has been placed therein. When a sufficient number has been 85 placed in the same, the locking-link is released from the connecting-rod and the auxiliary wire frames *f f'* pushed in downward direction, so as to hold the crullers between the bottom frame and the hinged frames, as 90 shown in Fig. 3, whereby the hinged frames arrive in horizontal position and rest on the inwardly-projecting lugs *d²* of the bail-wire *d'*. The crullers are thus held between the stationary bottom frame and the hinged wire 95 frames fully submerged in the grease until they are sufficiently fried, whereupon the frying-frame is lifted out of the kettle, with the fried crullers, and the hinged frames lifted into vertical position to permit the fried crul- 100 lers to be removed.

The advantages of my improved cruller-

frying frame are that the crullers are held submerged in the grease during the frying action and that they can be simultaneously lifted out of the kettle and removed from the frying-frame, whereby the frying action is considerably facilitated and expedited.

I claim as new and desire to secure by Letters Patent—

1. A cruller-frying frame, consisting of a disk-shaped wire base-frame, a stationary bail-wire attached to said base-frame, a transverse shaft supported by said bail-wire, auxiliary wire frames hinged to said shaft, connecting-rods pivoted to said hinged wire frames, and a locking device for locking the connecting-rods together and holding the hinged wire frames in any desired position, substantially as set forth.

2. A cruller-frying frame, consisting of a wire base-frame, a bail-wire attached to said base-frame, a shaft supported by said bail-wire, auxiliary wire frames above said base-frame and hinged to the shaft, and means for raising or lowering said hinged wire frames, substantially as set forth.

3. A cruller-frying frame, consisting of a wire base-frame, a bail-wire attached to said base-frame, a shaft supported by said bail-wire, auxiliary wire frames above said base-frame hinged to said shaft, means for raising or lowering said hinged wire frames, and means for locking the hinged wire frames, substantially as set forth.

4. A cruller-frying frame, consisting of a wire base-frame, stationary intersecting

bails attached to said base-frame, a transverse shaft hinged to one of said wire bails, inwardly-projecting lugs on the other wire bail, auxiliary wire frames hinged to said shaft, connecting-rods attached to said hinged wire frames, and a locking device for the connecting-rods so as to hold the hinged wire frames in any desired position, substantially as set forth.

5. A cruller-frying frame, consisting of a wire base-frame, stationary intersecting bails attached to said base-frame, a transverse shaft hinged to one of said wire bails, inwardly-projecting lugs on the other wire bail, auxiliary wire frames hinged to said shaft, connecting-rods pivoted to said hinged wire frames and provided with eyes at their upper ends, a wire uniting the upper ends of said connecting-rods, and a locking device for the connecting-rods so as to hold the hinged wire frames in any desired position, substantially as set forth.

6. A cruller-frying frame, consisting of a wire base-frame, a bail-wire attached to said base-frame, hinged auxiliary wire frames above said base-frame, and means for raising or lowering said auxiliary wire frames, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

HENRY GRIMM.

Witnesses:

PAUL GOEPEL,
C. P. GOEPEL.