

L. S. PFOUTS.
 FRAME FOR ICE CREAM FREEZERS.
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990,495.

Patented Apr. 25, 1911.

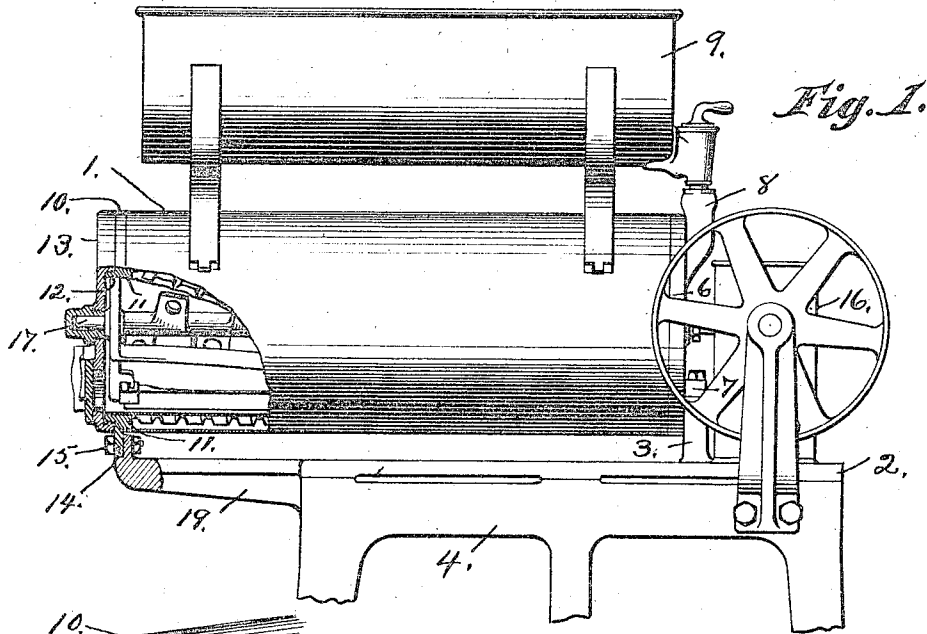


Fig. 1.

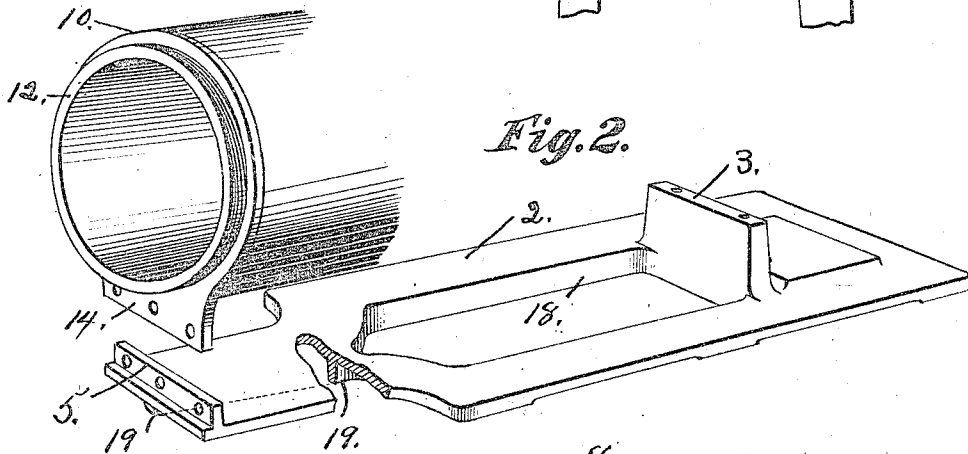


Fig. 2.

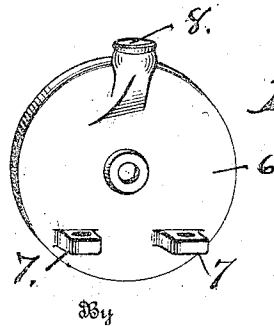


Fig. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

LERROY S. PFOUTS, OF CANTON, OHIO, ASSIGNOR TO THE MILLER PASTEURIZING MACHINE COMPANY, OF CANTON, OHIO, A CORPORATION OF NEW JERSEY.

FRAME FOR ICE-CREAM FREEZERS.

990,495.

Specification of Letters Patent.

Patented Apr. 25, 1911.

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To all whom it may concern:

Be it known that I, LEROY S. PFOUTS, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Frames for Ice-Cream Freezers; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, making a part of this specification, and to the numerals of reference marked thereon, in which—

Figure 1 is a side elevation showing parts in section and parts broken away, illustrating my frame properly attached to an ice cream freezer. Fig. 2 is a perspective view showing a portion of an ice cream freezer shell or casing showing the end thereof removed, and illustrating the frame detached. Fig. 3 is a detached view of the gear and feed end of the freezer casing or shell.

The present invention has relation to frames for ice cream freezers and it consists in the novel construction hereinafter described and particularly pointed out in the claims.

Similar numerals of reference indicate corresponding parts in all the figures of the drawing.

In the accompanying drawing 1 represents the ice cream freezer or shell within which is located the usual mechanism employed in ice cream freezers of the class to which the frame herein illustrated applies; but the freezer within itself does not form any particular part of the present invention so far as its construction is concerned, except the parts necessary for attaching and rigidly connecting the freezer to the frame 2, which frame is substantially of the form shown in Fig. 2, and as shown it is provided with the block or head 3, which block or head is preferably formed integral with the frame 2, which frame is supported by means of the base frame 4. The frame 2 is provided with the flange 5, which flange is formed integral with the frame 2 or securely attached thereto by which arrangement there is no springing or relative movement as between the block or head 3 and the flange 5.

The gear end or head 6 of the freezer proper is provided with the lugs 7, which lugs are securely bolted to the head 3, it

being understood that the head 6 is to be securely connected to the shell or casing of the ice cream freezer proper. The end or head 6 should also be provided with the feed spout 8 by means of which the ingredients contained in the feed receptacle 9 can be conveyed to the freezer in the usual manner.

The ring 10 is substantially of the form shown, and as shown it is provided with the flanges 11 and 12, the flange 11 being for the purpose of providing a means for attaching the casing 1, and the flange 12 being for the purpose of attaching the head 13, which head is preferably attached by means of screw threads so that it can be easily removed when desired. The ring 10 is also provided with the flange 14, which flange is so constructed that its bottom or under edge will fit the top face of the frame 2, and the faces of the flanges 14 and 5 fitted against each other and securely connected together by means of clamping bolts 15, thereby preventing any springing or relative movement as between the frame and the ice cream freezer proper. The opposite end of the ice cream freezer being rigidly held by means of the block or head 3 and the flange 7.

It is of importance that there be no relative movement as between the ice cream freezer proper and the frame upon which it is mounted, owing to the fact that the gear frame 16 is securely attached to the frame 2, and if any relative movement is permitted the gear is apt to be thrown out of mesh or broken, but by my peculiar manner of connecting the parts this difficulty is entirely overcome.

It will be understood that the casing of the freezer is formed of comparatively thin material which within itself does not constitute the desired amount of rigidity to insure the proper maintenance of position of the gear, as between the frame and the beater shaft 17, but by my peculiar manner of connecting the freezer proper to the frame, a rigid structure and a self contained machine is produced.

For the purpose of adding rigidity the frame 2 is provided with the vertical flanges 18, which vertical flanges are joined together and the flange 19 extended therefrom, which flange is located about midway between the edges of the frame 2, which flange

is to prevent any twisting of said frame, thereby giving to the freezer proper a rigid support, and an equal rigid support for the gear frame.

5 It will be noted that base frame 4 and the frame 2, form a table-like structure of which the front end of the frame 2 forms a forwardly extending overhanging section or portion, and that the front end of the cylinder is rigidly secured to the front end of
10 said overhanging section or portion of the frame.

Having fully described my invention what I claim as new and desire to secure by Letters Patent, is—

15 1. In an ice cream freezer, the combination with a freezer casing having a head at one end provided with a lug, of a frame provided with a block at one end and a
20 flange at its opposite end, means at the opposite end of the freezer from the said head for closing the said end, said means including a flange cooperating with the flange of the said frame, means for securing the
25 flanges of the frame and closing means together, and separate means for securing the lug and block together.

2. In an ice cream freezer, the combination with a freezer casing having a head at
30 one end provided with a lug, of a frame provided with a block at one end and a flange at its opposite end, means at the opposite end of the freezer from the said head for closing the said end, said means
35 including a flange cooperating with the flange of the said frame, means for securing the flanges of the frame and closing means together, separate means for securing the lug and block together, agitating mechanism
40 for the freezer casing, and means carried by the said frame for rotating the agitating mechanism.

3. In an ice cream freezer, the combination with a freezer casing having a head at one end provided with a lug, of a frame
45 provided with a block at one end and a flange at its opposite end, means at the opposite end of the freezer from the said head for closing the said end, said means including a flange cooperating with the flange of
50 the said frame, means for securing the flanges of the frame and closing means together, separate means for securing the lug and block together, agitating mechanism for the freezer casing, and means carried by the
55 said frame for rotating the agitating mechanism, said frame being provided with a depending flange on its lower surface for strengthening the frame longitudinally.

4. The combination with a base, of a
60 frame mounted thereon, and provided with a block at or near one end and a flange arranged at its opposite end, a freezer casing having closing means at its opposite ends, the closing means at one end being provided
65 with lugs cooperating with the said block, and the closing means at the other end being provided with a flange cooperating with the flange of the frame, means for securing the block and lugs together, means
70 for securing the said flanges together, the said frame extending beyond the base at one end and provided with a depending flange for strengthening the frame longitudinally, agitating mechanism for the
75 freezer casing, and means carried by the said frame for rotating the agitating mechanism.

In testimony that I claim the above, I have hereunto subscribed my name in the presence of two witnesses.

LEROY S. PFOUTS.

Witnesses:

J. A. JEFFERS,
F. W. BOND.