J. W. CONDON.

Ice-Cream Freezer.

No. 165,545. Patented July 13, 1875.

Fig. 1.

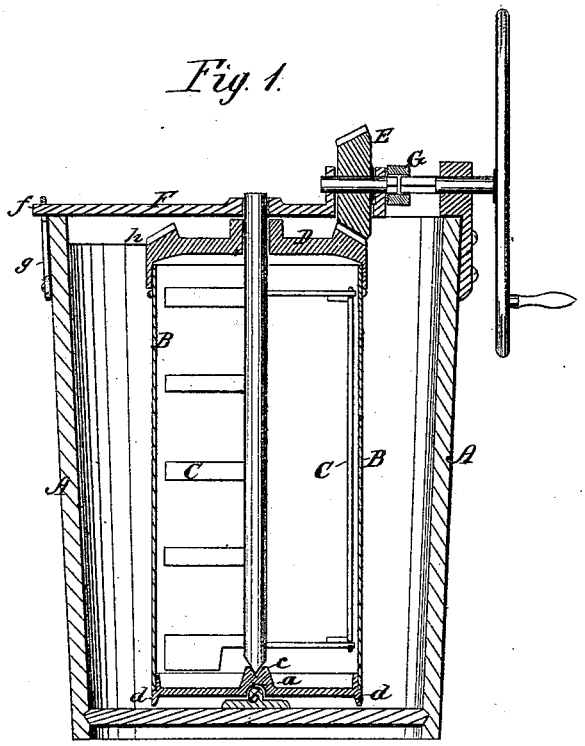
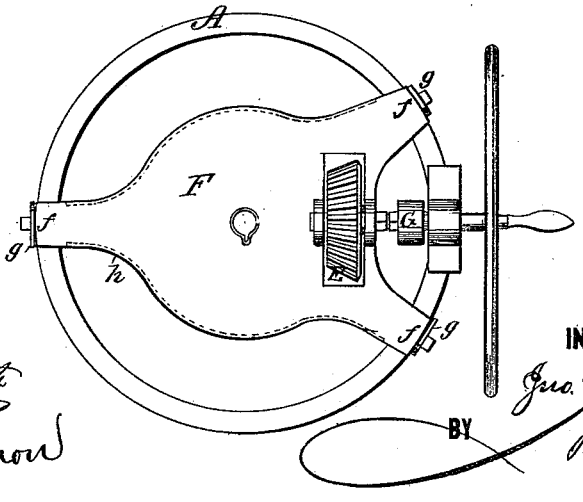


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN W. CONDON, OF BALTIMORE, MARYLAND.

IMPROVEMENT IN ICE-CREAM FREEZERS.

Specification forming part of Letters Patent No. **165,545**, dated July 13, 1875; application filed June 7, 1875.

To all whom it may concern:

Be it known that I, JOHN W. CONDON, of Baltimore city, State of Maryland, have invented a new and Improved Ice-Cream Freezer; 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 forming a part of this specification, in which—

Figure 1 is a vertical section; Fig. 2, a plan view.

This invention relates to certain improvements in ice-cream freezers; and it consists in the combination, with the top plate of the freezer, of a flange to extend over and protect the teeth of the gear-wheel (upon the cover of the cylinder) from the particles of ice, salt, and other obstruction. It also consists in the means for gearing and detaching the actuating shaft of the driving-wheel and the shaft of the pinion that operates the freezer-cylinder.

In the drawing, A represents the outer case or tub of wood, which contains the cream-cylinder and the freezing-mixture of salt and ice. B is the cream-cylinder, and C the scraper and stirrer. The bottom of the cylinder B I construct with a socket, *a*, which rests upon a projection, *b*, in the bottom of the outer case; a socket, *c*, in which rests the end of the scraper-shaft; and a flange, *d*, which makes the bottom of the cream-cylinder sit level when taken out, and keeps its socket *a* from becoming filled with dirt, &c. D is the cover for the cream-cylinder, which is made detachable, and has its upper surface wrought into a series of teeth, by means of which the cylinder is revolved through a pinion, E, journaled in the top plate F of the freezer. Said top plate has projecting lugs *f*, which extend over the sides of the tub, and are secured by hooks *g* attached to the tub to hold the said plate fast. The said top plate has also flanges *h*, which extend downwardly over the teeth of the cylinder-cover, to prevent them from becoming filled and obstructed in their operation by the particles of ice, &c., which may be from time to time thrown in to constitute the freezing-mixture. G is an adjustable coupling-collar, which may be made either to couple the shaft of the driving-wheel with that of the pinion, or be so disposed as to leave the two detached.

This simple device enables me to place any driving-wheel upon the edge of the tub and still remove the top plate F and the cylinder with ease and facility.

Having thus described my invention, what I claim as new is—

1. The combination of the top plate F, having flange *h*, with the teeth of the cover D, as and for the purpose specified.

2. The combination, with the pinion-shaft and the shaft of the driving-wheel, of the single adjustable coupling-collar G, substantially as and for the purpose described.

JOHN W. CONDON.

Witnesses:

CHARLES A. WAGNER,
JAMES C. G. UNDUCHE.