

C. W. PACKER.
Ice-Cream Freezer.

No. 223,753.

Patented Jan. 20, 1880.

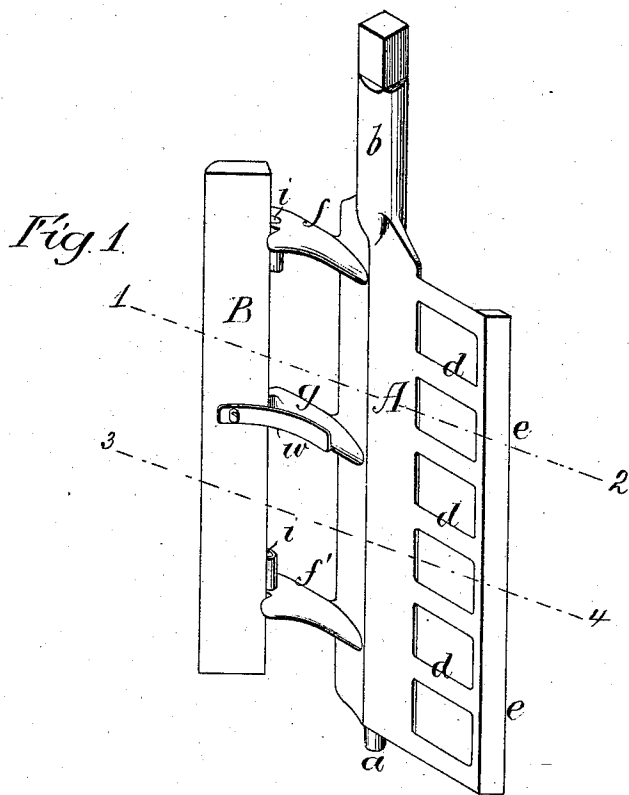


Fig. 2

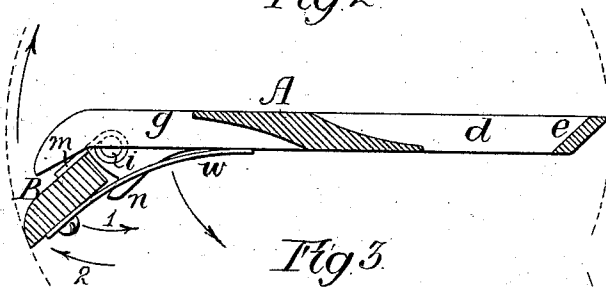
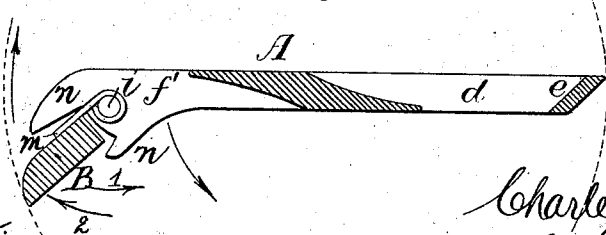


Fig. 3



Witnesses
J. Deane
Harry Smith

Inventor
Charles W. Packer
by his Attorneys
Howson and Son

UNITED STATES PATENT OFFICE.

CHARLES W. PACKER, OF PHILADELPHIA, PENNSYLVANIA.

ICE-CREAM FREEZER.

SPECIFICATION forming part of Letters Patent No. 223,753, dated January 20, 1880.

Application filed October 6, 1879.

To all whom it may concern :

Be it known that I, CHARLES W. PACKER, of Philadelphia, Pennsylvania, have invented a new and useful Improvement in Ice-Cream Freezers, of which the following is a specification.

The object of my invention is to so connect a scraping-bar to the dasher of an ice-cream freezer that said bar will effectually perform the duty for which it is intended, but will yield to inequalities or imperfections in the sides of the can.

My invention consists of the combination of the dasher having arms with a scraping-bar occupying a position in advance of the arms, and having plates pivoted thereto, and a spring acting on said scraping-bar so as to keep the edge of the same in contact with the can, and at the same time permit it to yield and accommodate itself to inequalities, all as hereinafter more fully set forth.

In the accompanying drawings, Figure 1 is a perspective view of the dasher of an ice-cream freezer with a scraping-bar hung thereto in accordance with my invention; Fig. 2, a sectional plan on the line 1 2; and Fig. 3, a sectional plan on the line 3 4.

A is the central web of the dasher, having at the lower end the projecting lug *a*, which serves as a pivot, and at the upper end the shaft *b*, squared at the top. From one side of the web A projects a series of stirring-arms, *d*, connected together at the outer ends by the vertical bar *e*, the face of which is inclined, as usual, so as to direct the cream toward the center of the can. From the opposite side of the web A project three arms, *f*, *f'*, and *g*, the arms *f*, *f'* carrying pins *i*, to which are adapted eyes on plates *m*, secured to the scraping-bar B. On the end of each of the arms *f*, *f'* are formed lugs *n*, which prevent undue movement of the scraping-bar in either direction, but permit such movement of said bar as may be caused by inequalities in the sides of the can, the outer edge of the scraper being always pressed closely against said sides by the ac-

tion of a spring-plate, *w*, secured to the bar B, and bearing against the face of the arm *g* of the dasher.

Thus, on reference to Figs. 2 and 3, in which a portion of the can is shown by dotted lines, it will be observed that when the can or the dasher, or both, are moving in the direction of the arrow, the bar B always acts with proper scraping effect, but is free to yield either in the direction of the arrow 1 or in that of the arrow 2, the free end of the spring-plate *w* sliding on the arm *g* as the bar yields in one direction or the other.

The scraping-bar being arranged in advance of the arms, the pressure of the cream against the said bar has a tendency to assist the spring *w* in maintaining the scraping-edge in close contact with the sides of the can.

I do not claim, broadly, a spring scraping-bar located in advance of the dasher and capable of yielding in order to accommodate itself to the sides of the can; but

I claim as my invention—

1. The combination of the dasher A, having arms, the scraping-bar B, occupying a position in advance of the arms, and having plates *m* secured to it and pivoted to the arms, and the spring-plate *w*, combined with the bar and one of the dasher-arms, as described, so as to press said bar against the side of the can but permit it to yield to inequalities therein, all substantially as set forth.

2. The combination of the dasher having arms *f*, *f'*, and *g*, the scraping-bar B, located in advance of the arms and having plates *m* pivoted to the arms *f*, *f'*, and the spring *w*, secured to the bar B at one end and bearing with its opposite free end against the arm *g*, as set forth.

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

CHAS. W. PACKER.

Witnesses:

ALEXANDER PATTERSON,
HARRY SMITH.