

E. S. Torrey

Ice Cream Freezer.

N^o 61,895.

Patented Feb. 5, 1867.

Fig. 2.

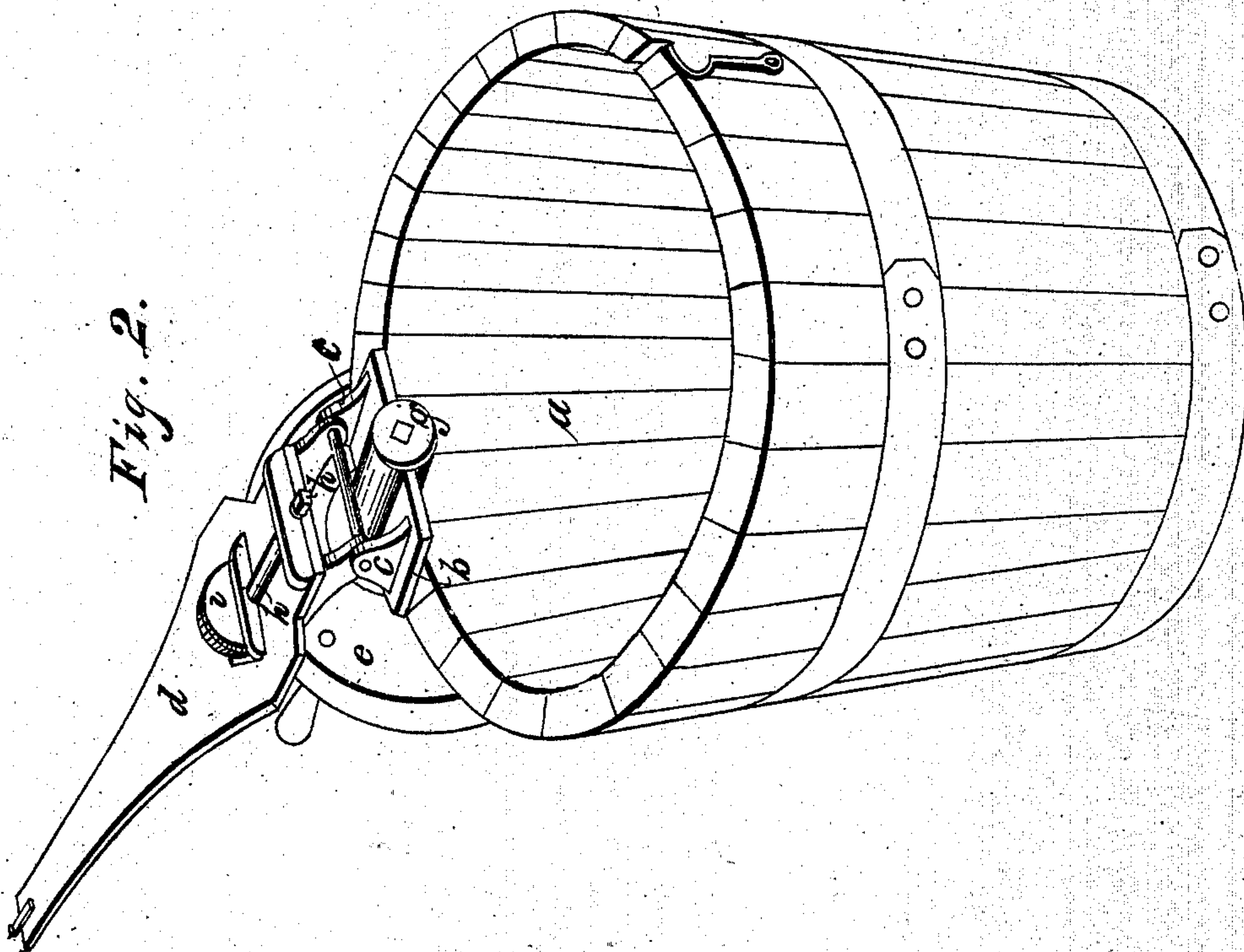
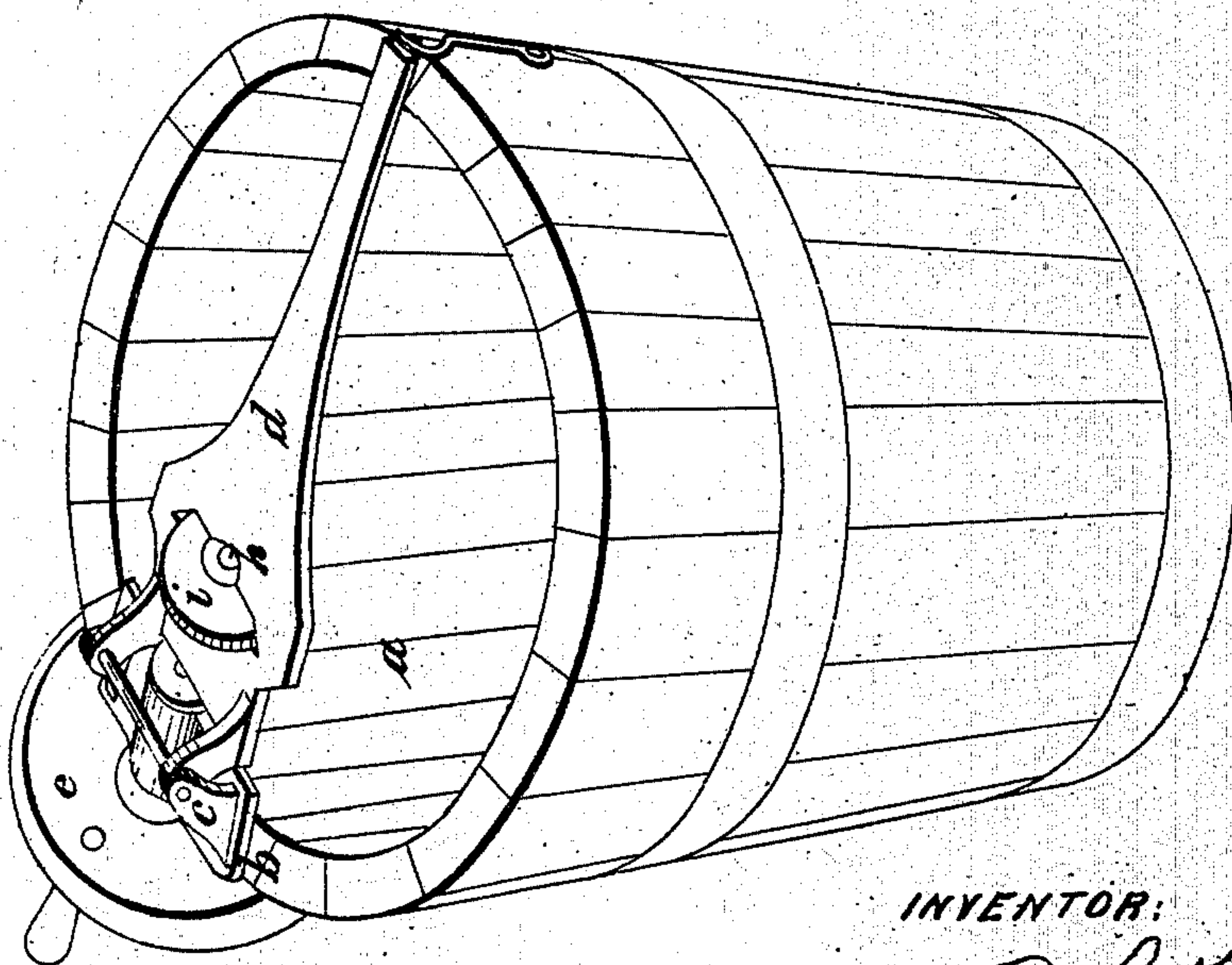


Fig. 1.



WITNESSES

A. Jones
G. D. Brown

INVENTOR:

E. S. Torrey
J. H. Brown
Atty

United States Patent Office.

E. S. TORREY, OF NEW YORK, N. Y.

Letters Patent No. 61,895, dated February 5, 1867.

IMPROVED CREAM FREEZER.

The Schedule referred to in these Letters Patent and making part of the same.

Be it known that I, E. S. TORREY, of the city, county, and State of New York, have invented a certain new and useful improvement in Ice-Cream Freezers, and like purposes; and I do hereby declare and ascertain my said improvement, referring to the accompanying drawing, in which—

Figure 1 is a view of the improvement closed.

Figure 2, the same open.

In ice-cream freezers heretofore constructed, especially large ones, it has been found desirable to employ a heavy fly-wheel, which, together with the gearing, had to be lifted off when the mould was removed, and this was found inconvenient and laborious, to remedy which I have devised my hinged plate, constructed as follows:

To the top rim of any ordinary freezing-pail or reservoir for holding ice or freezing-mixture, and lettered *a* in the drawing, I firmly affix a metal casting, *b*, that fits said rim and has two lugs projecting up from it at *c* that form the one part of a hinge by which an oblong narrow plate, *d*, is hinged to it by similar lugs, as is clearly shown in the drawing. In the casting *b* there is a horizontal hole through it in a line radial with the centre of the reservoir *a*, which serves as a journal of a short shaft that passes through it, on the outer end of which there is a fly-wheel, *e*, by which it may be turned by means of a crank-handle, *f*, or otherwise. The inner end of the above-named shaft is socketed, as seen at fig. 2, *g*; and on the under side of plate *d* there are bearings for a shaft, *h*, the outer end of which, or that next the socket *g*, is squared to fit into said socket, when the two shafts are brought into line by turning the plate *d* down into the position shown in fig. 1, at which time its extreme end fits into a notch in the rim opposite to where the casting *b* is attached. On the inner end of shaft *h* there is a bevel gear-wheel, *i*, near the centre of the reservoir *a*, into which a similar wheel gears on the freezer, (not shown in the drawing, as this part of the apparatus is old and well known.) By this construction of the propelling parts, the heavy fly-wheel and parts connected therewith remain firmly attached to the reservoir *a*, the plate *d* being raised in the position seen in fig. 2 to remove or replace the freezer, and brought down into place and fastened by a catch at *k*, as seen in fig. 1.

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

The fixed plate or casting *b*, sustaining the fly-wheel, with the plate *d* jointed thereto so as to permit the shaft *h* and its gearing to be removed from and coupled with the fly-wheel shaft, substantially as and for the purposes set forth.

E. S. TORREY.

Witnesses:

WM. D. W. CHAPMAN,

JOHN SCOTT.