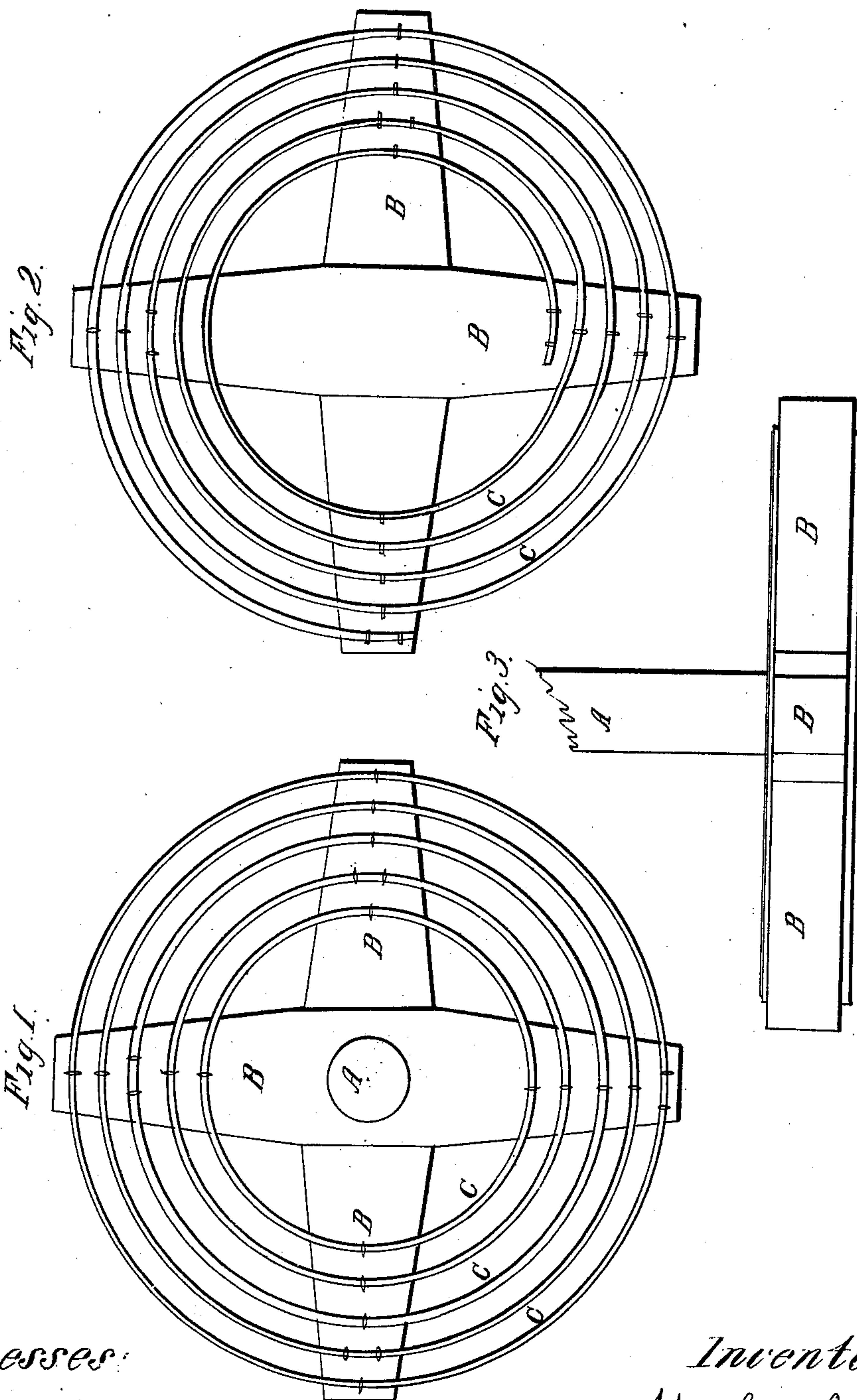


Heliker & White.

Churn.

N^o 82,947.

Patented Oct. 13, 1868.



Witnesses:

*J. H. Burrage
Frank S. Alden.*

Inventor:

*W. Heliker
D. A. White*

United States Patent Office.

MARTIN HELIKER AND ORSAMUS A. WHITE, OF NORWALK, OHIO, ASSIGNORS TO
THEMSELVES AND J. W. BOSTWICK, OF SAME PLACE.

Letters Patent No. 82,947, dated October 13, 1868.

IMPROVEMENT IN CHURN-DASHER.

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

To all whom it may concern:

Be it known that we, MARTIN HELIKER and ORSAMUS A. WHITE, of Norwalk, in the county of Huron, and State of Ohio, have invented a new and useful Improvement in Churn-Dashers; and we do hereby declare that the following is a full and complete description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a top view of the dasher.

Figure 2, a view of the under side.

Figure 3, a side view.

Like letters of reference refer to like parts in the several views.

This invention relates to a churn-dasher, constructed with concentric circles of wire attached to radial arms in the manner as follows:

In fig. 3, A represents the stem or handle of the dasher, to the lower end of which are secured the arms B, the length and size being according to the capacity of the churn.

To the upper and under sides of these arms are secured the concentric circles of wire C, fig. 1, which

may be more or less in number as may be desired, or the wire may consist of one entire piece, one end of the same being secured to an arm, and then arranged in a coil, as shown in fig. 2.

A dasher thus constructed has an advantage over others in being simple in construction, strong and durable, easily cleaned, and inexpensive.

It also breaks up the cream rapidly, and agitates the mass in a most thorough manner, so that the labor of churning is, in consequence, very much lessened by a reduction of the time required to bring the butter.

What we claim as our invention, and desire to secure by Letters Patent, is—

The concentric circles or coils of wire C, as arranged in combination with the radial arms B, for the purpose specified.

MARTIN HELIKER.
ORSAMUS A. WHITE.

Witnesses:

CORTLAND L. KENNAN,
ETHAN A. PRAY.