Clayton & Allen.

Churn.

No 73503 Patented Jan. 21, 1868

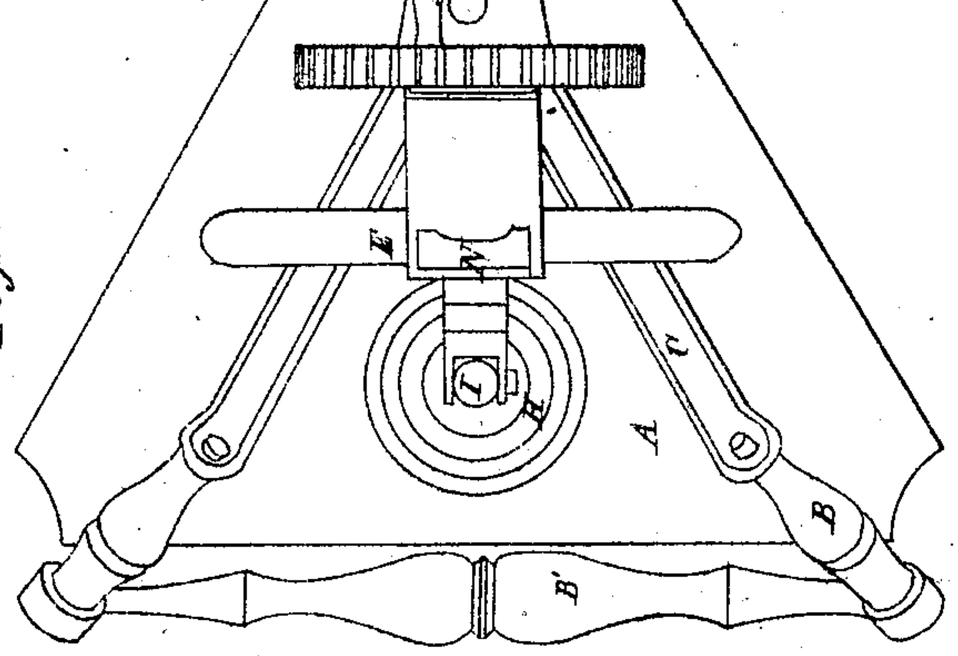

Fig. 3.

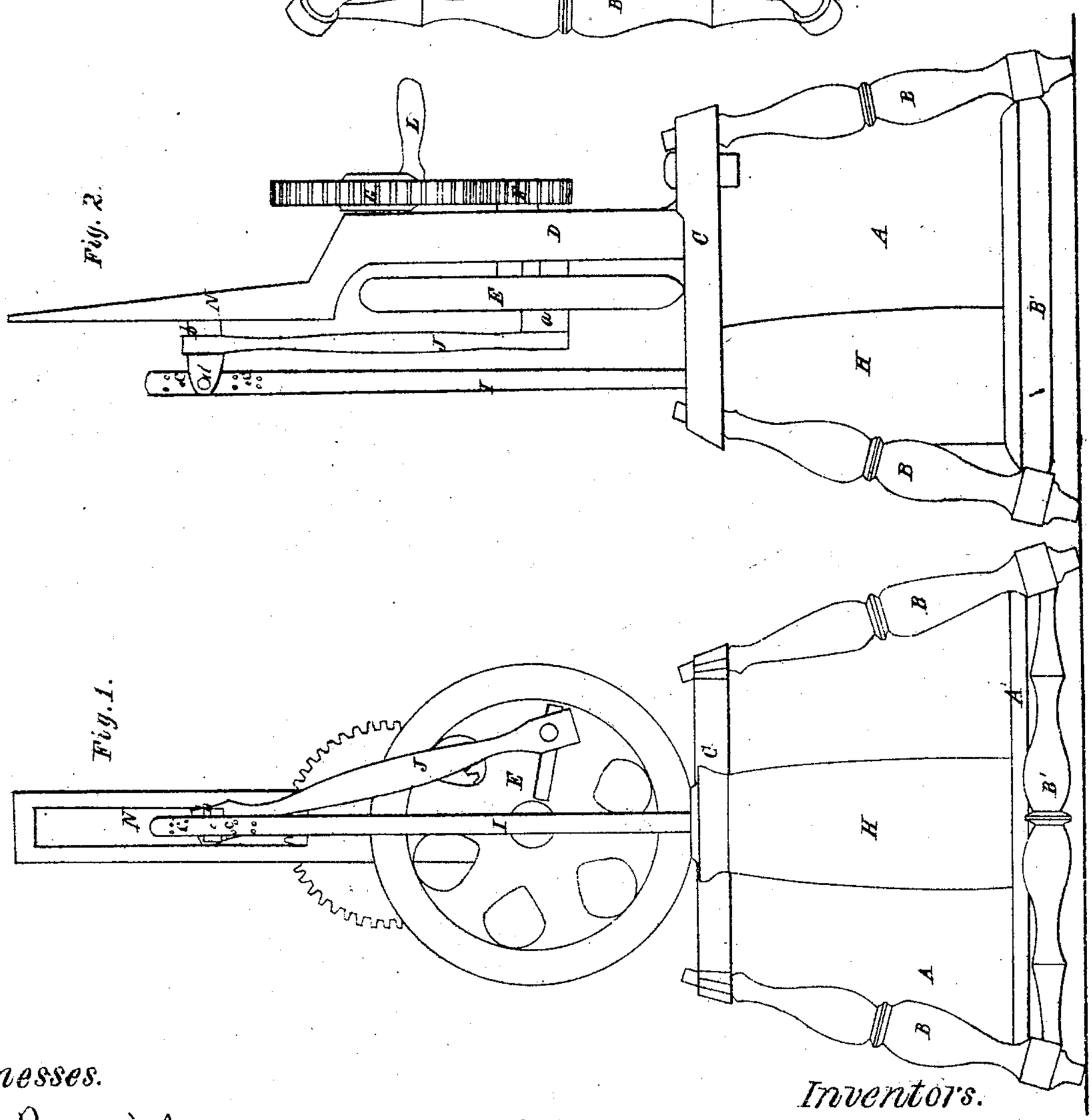

Fig. 2.

Fig. 1.

Witnesses.

J. H. Burridge

Inventors.

G. Clayton & C. B. Allen

United States Patent Office.

GEORGE CLAYTON AND COLLIS B. ALLEN, OF WILLOUGHBY, OHIO.

Letters Patent No. 73,503, *dated January* 21, 1868.

IMPROVEMENT IN CHURNS.

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, GEORGE CLAYTON and COLLIS B. ALLEN, of Willoughby, in the county of Lake, and State of Ohio, have invented certain new and useful Improvements in Churns; 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 part of this description, in which—

Figure 1 is a front view.

Figure 2 is a side view.

Figure 3 is a top view.

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

A represents a triangular frame, consisting of the bottom board A′ and posts B, the posts being braced in position by means of cross-rails B′, which rails also support the bottom board. C is a metallic frame or railing, passing from one to the other of these posts, by which it is supported, the space between the two front posts being left open, so as to give an easy access to the churn D. Fig. 2 is a standard, projecting up from the frame C, the upper end of which forms a way or guide, N, a slot being cut in said standard, in which the cross-head *b* moves. E is the crank-balance wheel, the shaft of which has its bearings in the standard, a small cog-wheel, F, being secured to the other end of said shaft. This wheel gears into a larger wheel, G, which also has its bearings in the standard. Secured to the balance-wheel by means of a slot and wrist, *a*, is the pitman J, the other end of which is secured to the cross-head *b* and shaft I of the churn, the churn H resting on the board A′, as indicated. In the upper end of the dasher-shaft I are the holes *c*, which are to vary the length of the stroke of said shaft by raising the pin *d*, and moving it either up or down, as desired.

As the churn is operated by means of the handle L, which operates the balance-wheel by first giving motion to the cog-wheels G F, the dasher is made to move rapidly in the churn, thereby agitating the cream in an easy and thorough manner, hence reducing the labor of churning by bringing the butter in a very short time.

The frame of the churn being constructed of metal, it is in consequence strong and durable, and the shape of the same is such as to give the operator easy access to the body of the churn, and the greatest convenience in handling the same.

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

The special construction of the triangular frame A, standard D, as arranged in combination with the churn H, when operated in the manner as and for the purpose set forth.

GEORGE CLAYTON,
COLLIS B. ALLEN.

Witnesses:

T. M. GORDON,
J. A. ALLEN.