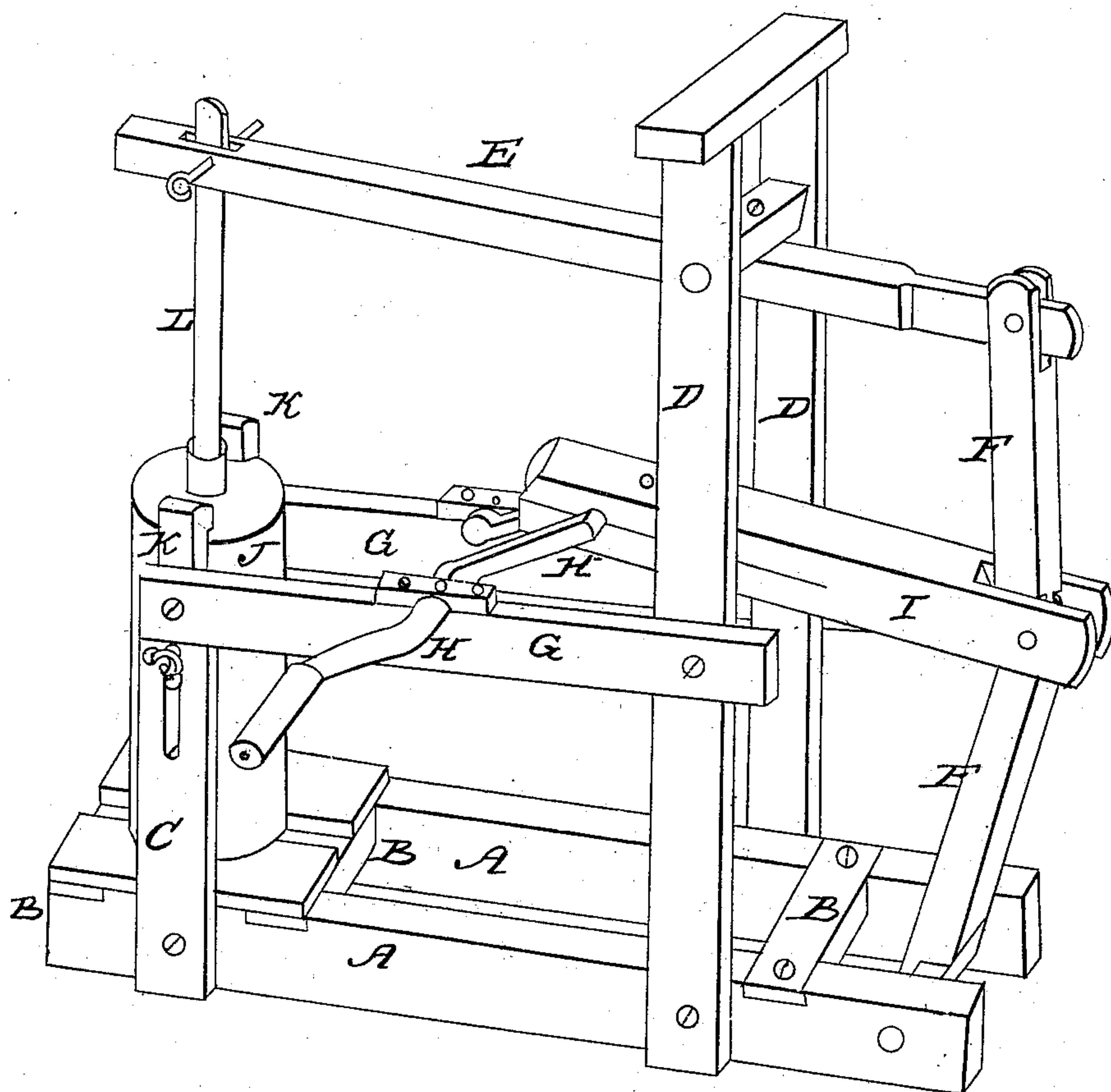


E. B. CLEMENT.

Churn.

No. 27,205.

Patented Feb. 21, 1860.



Witnesses

A. V. Langhlin
George Mason

Inventor

Edwin B. Clement

UNITED STATES PATENT OFFICE.

EDWIN B. CLEMENT, OF BARNET, VERMONT.

CHURN.

Specification of Letters Patent No. 27,205, dated February 21, 1860.

To all whom it may concern:

Be it known that I, EDWIN B. CLEMENT, of Barnet, in the county of Caledonia and State of Vermont, have invented a new and
5 useful Improvement in Churns; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

10 The nature of my invention consists in the application of a toggle jointed lever at one end of a walking beam to give the motion to the dasher of a perpendicular dash churn.

To enable others skilled in the art to make
15 and use my invention, I will proceed to describe its construction and operation.

I make my frame see letters A, A, of two sills connected together by cross ties see letters B, B, B. At or near one end of these
20 sills I fix two posts see letter C, the other not shown in the drawings. Near the other end of these sills are two taller posts see letters D, D. The walking beam E plays in or near the tops of these posts. One end of
25 the walking beam is connected with a toggle jointed lever, the lower end of which lever is connected with a shaft that turns or rocks in the ends of the sills A, A, see letter F F.

I fasten two bars on the posts C, and D, D, see letters G, G, for the crank H, to turn in. 30 Motion is given by the crank H, to the toggle jointed lever F, by means of the connecting shaft I.

Letter J represents the churn secured in its place by the hooks K, K, which are provided each with a bolt and nut and fastened
35 to the posts C.

Letter L represents the dasher staff connected with the walking beam.

I now come to the operation, which is
40 simply to turn the crank H, which will alternately crook and straighten the toggle jointed lever causing the dasher to move up and down twice to one revolution of the
45 crank.

What I claim as my invention and desire to secure by Letters Patent is—

The arrangement of the toggle joint F, walking beam E, crank H, and connecting shaft I, operating substantially as described
50 and for the purpose set forth.

EDWIN B. CLEMENT.

Witnesses:

A. S. LAUGHLIN,
GEORGE MASON.