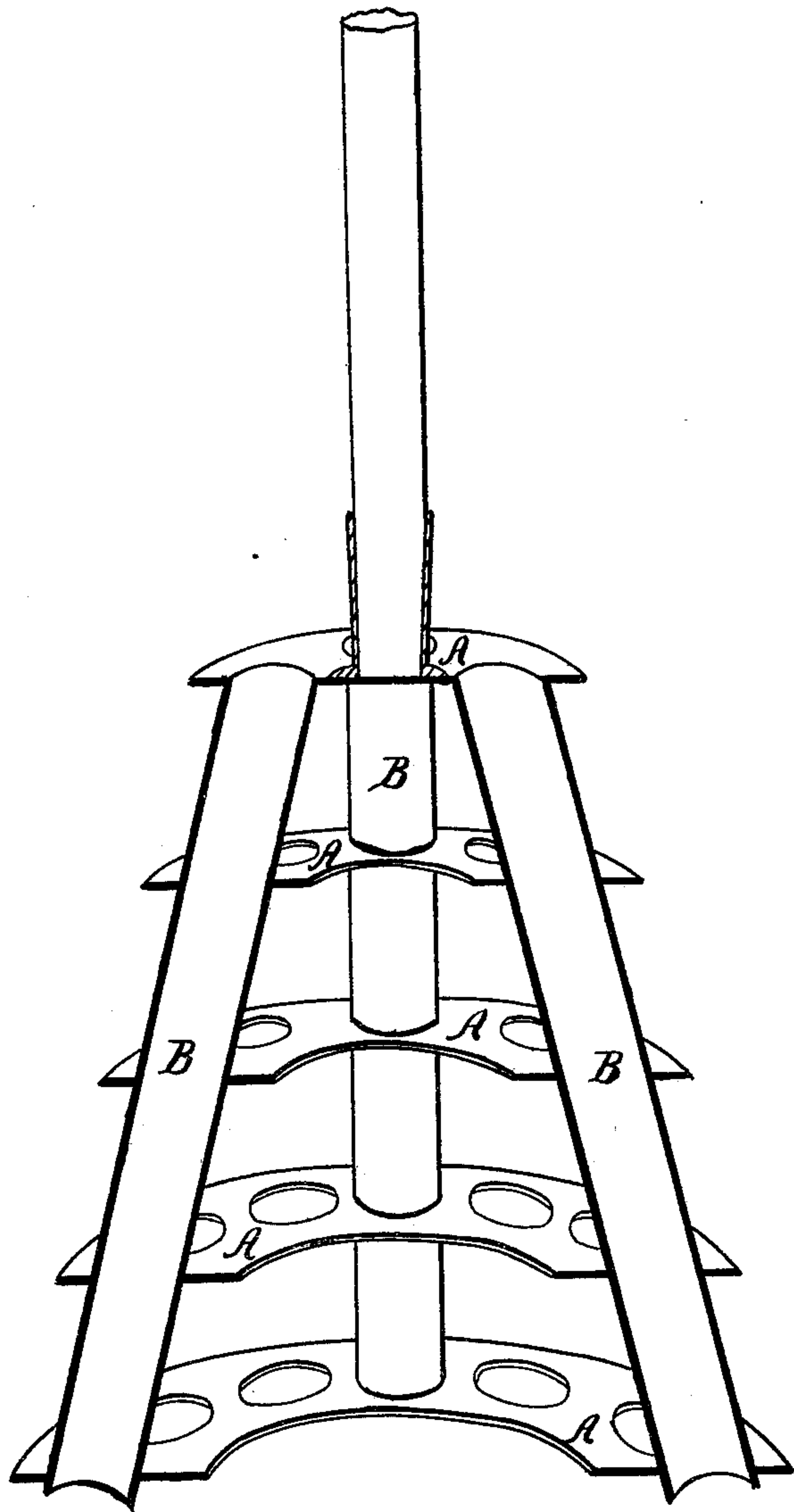


G. Lange.

Churn Dasher.

Nº 91,454.

Patented Jan. 15, 1869.



Witnesses

*Jas I Day
H. F. Ebert*

Inventor

*Gottlieb Lange
Per attorney
Thos. S. Sprague*

United States Patent Office.

GOTTLEIB LANGE, OF EAST SAGINAW, MICHIGAN.

Letters Patent No. 91,454, dated June 15, 1869.

IMPROVEMENT IN CHURN-DASHERS.

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

To whom it may concern:

Be it known that I, GOTTLEIB LANGE, of East Saginaw, in the county of Saginaw, and State of Michigan, have invented a new and useful Improvement in Churn-Dashers; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and being a part of this specification.

The drawing is in perspective section.

The nature of this invention relates to an improvement in the construction of churn-dashers, by means of which a greater agitation of the milk is had, with a more perfect separation of the fatty matter which forms the butter.

The invention consists in a series of perforated disks, each one being smaller in diameter than the one beneath it, arranged upon and secured to a series of tubes, through which air may pass, and in the arrangement of its various parts.

A are disks, of proper size for the churn in which this dasher is designed to operate, perforated as shown, and each one greater in diameter than the one above it, and with an opening through the centre, corresponding to the diameter of the disk.

At suitable distances apart, these disks are arranged upon and secured to tubes B, which project below the bottom disk a sufficient distance to form proper feet or standards as they rise from the bottom.

These tubes B each incline toward a common centre, passing through the intermediate disks, and secured to the top one.

These tubes are open at top and bottom.

C is a suitable handle, fitting and secured into proper socket, attached to the upper disk.

The operation of the device is too simple to need description.

The upper and lower faces of the disks may be convex, concave, or plain surfaces, as may be desired.

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

In churn-dashers, the tubes B, in connection with the disks A and handle C, when constructed and operating substantially as described.

GOTTLEIB LANGE.

Witnesses:

JAS. I. DAY,
H. F. EBERTS.