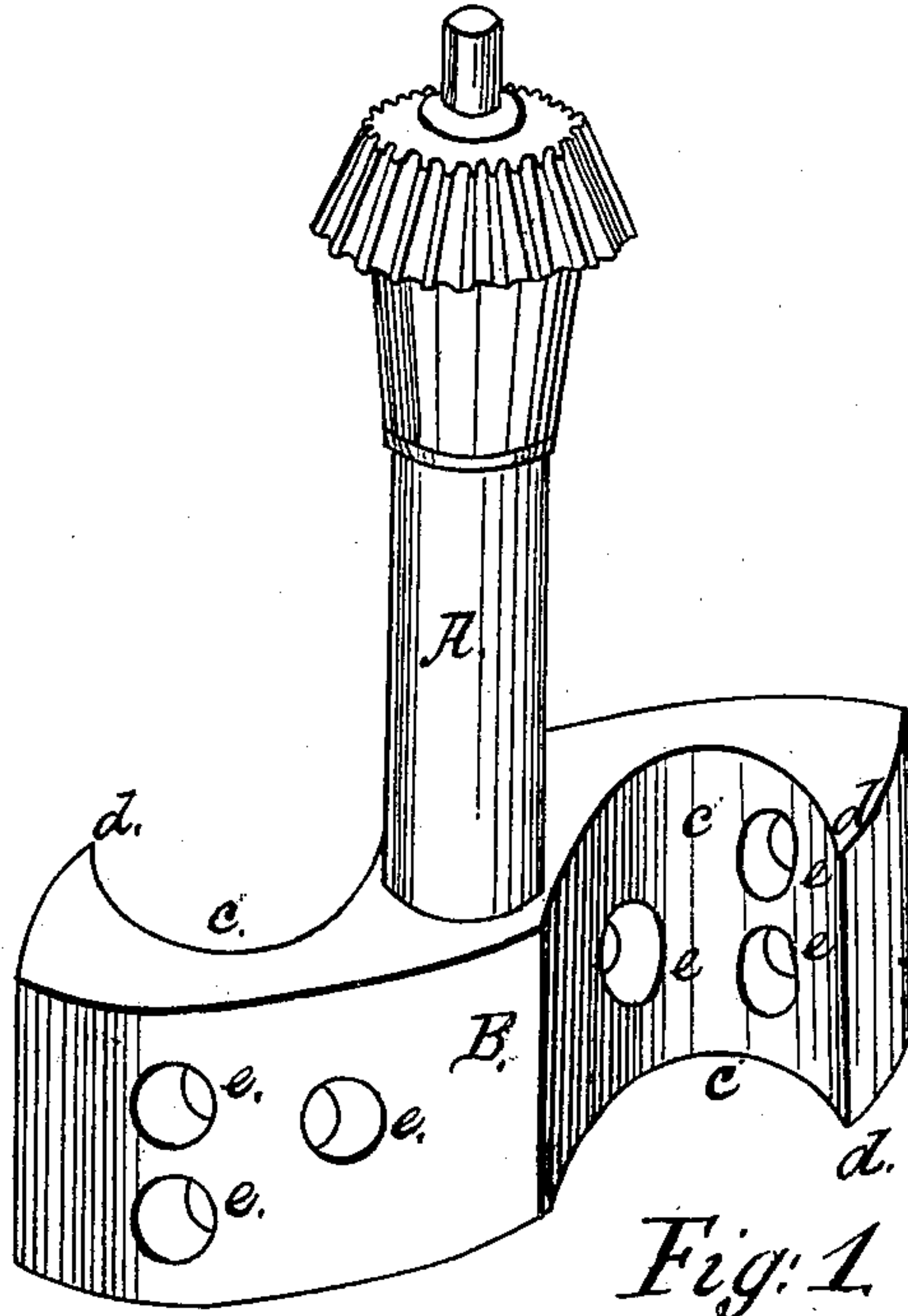


*A. Sperry.*

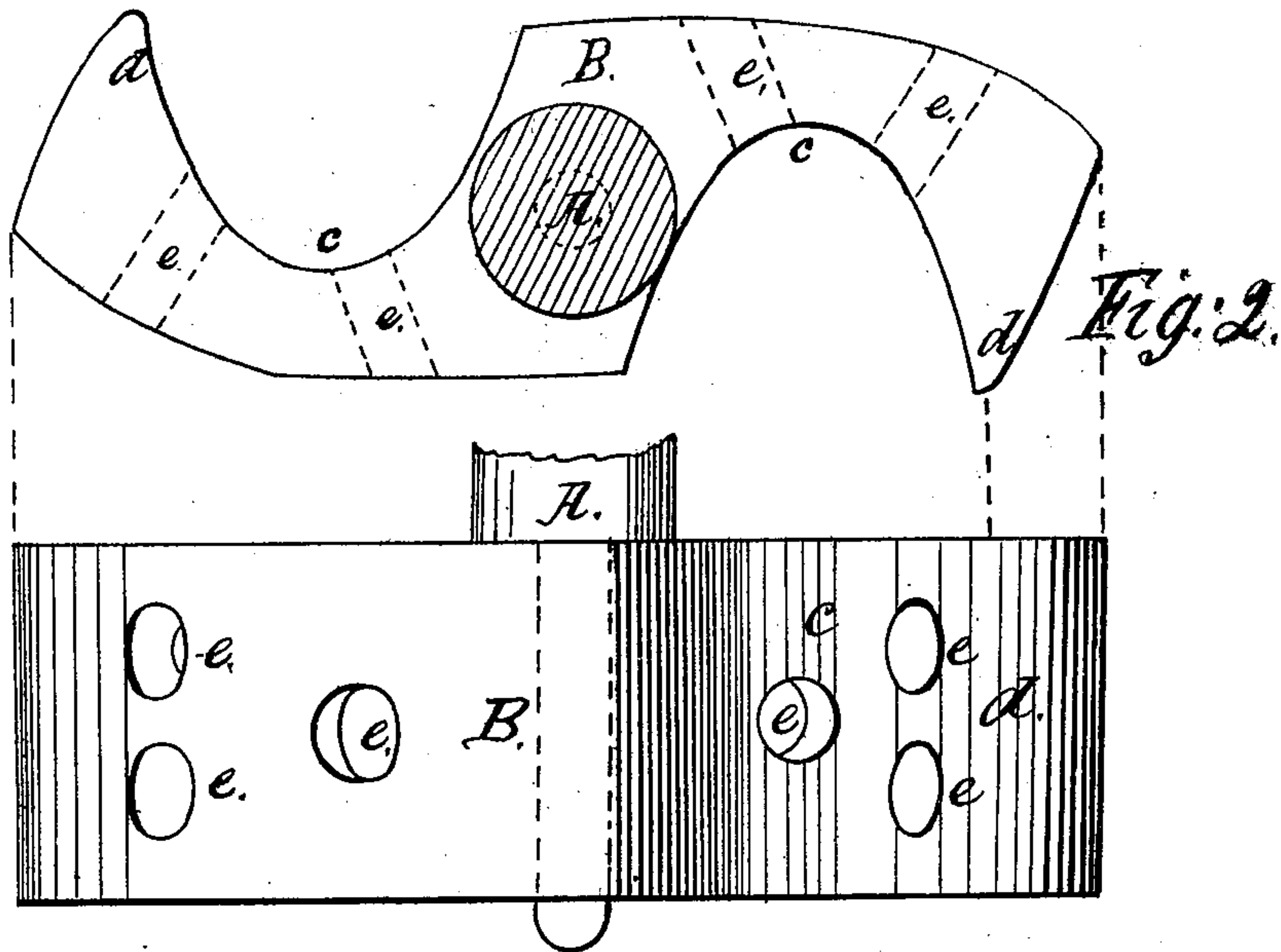
*Churn Dasher.*

*N<sup>o</sup> 98,117.*

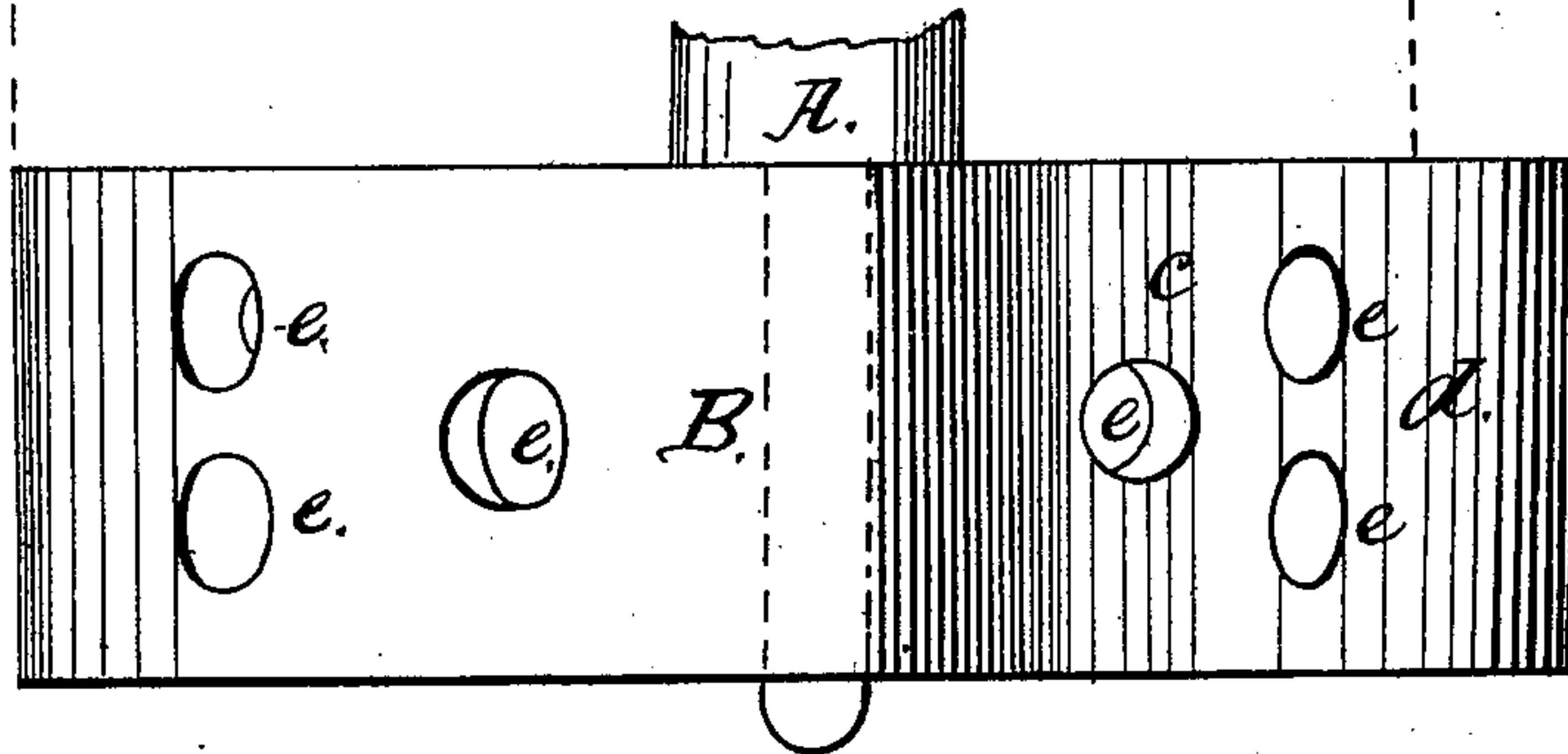
*Patented Dec. 21, 1869.*



*Fig. 1.*



*Fig. 2.*



*Fig. 3.*

*Witnesses.*

*Wm. D. Sperry,  
Wm. L. Moss, Jr.*

*Inventor.*

*Aurelius Sperry*

# United States Patent Office.

AURELIUS SPERRY, OF TREMONT, ILLINOIS.

*Letters Patent No. 98,117, dated December 21, 1869.*

## 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 I, AURELIUS SPERRY, of Tremont, in the county of Tazewell, and in the State of Illinois, have invented a new and improved Churn-Dasher for the making of butter; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawings, making a part of this specification, in which like letters of reference refer to like parts, and in which—

Figure 1 represents a perspective view of the dasher and shaft.

Figure 2, plan or superficial view of the same.

Figure 3, a longitudinal elevation.

This improvement relates to the recessing of the arms of a horizontal dasher, and perforating the back part of the recesses, through each arm, at radiating angles.

A is a vertical axle or shaft, carrying a pinion at the top, for the purpose of gearing and working the dasher. The lower part of the axle carries the dasher.

B is the dasher, formed of suitable material, of somewhat of an S-shape, viewed from above, and fixed at its centre to the axle A, and revolving horizontally.

Each arm has a vertical half-round recess, *c*, on that

face of the arm which revolves against the cream, the outer edge of each recess forming an angle or sharp edge, *d*, with the forward extremity of the arm.

The arms are each perforated with several holes *e*, behind the recesses *c*, cut at diverging angles from the inner face of the recess to the back of each arm, for the purpose of throwing off the cream at radiating angles, the cream being first gathered by the recess in the rotation of the dasher.

The operation is further assisted by the cutting-edges *d*, formed by the junction of each recess *c* with the exterior edge of the arms.

What I claim, is—

The combination, in a horizontal churn-dasher, B, of the vertical half-round recesses *c*, with radiating perforations *e*, and the cutting-edges *d*, substantially as and for the purposes hereinbefore described.

In testimony that I claim the foregoing churn-dasher, I have hereunto set my hand, this 25th day of October, 1869.

AURELIUS SPERRY.

Witnesses:

W. D. SPERRY,  
WM. L. MOSS, Jr.