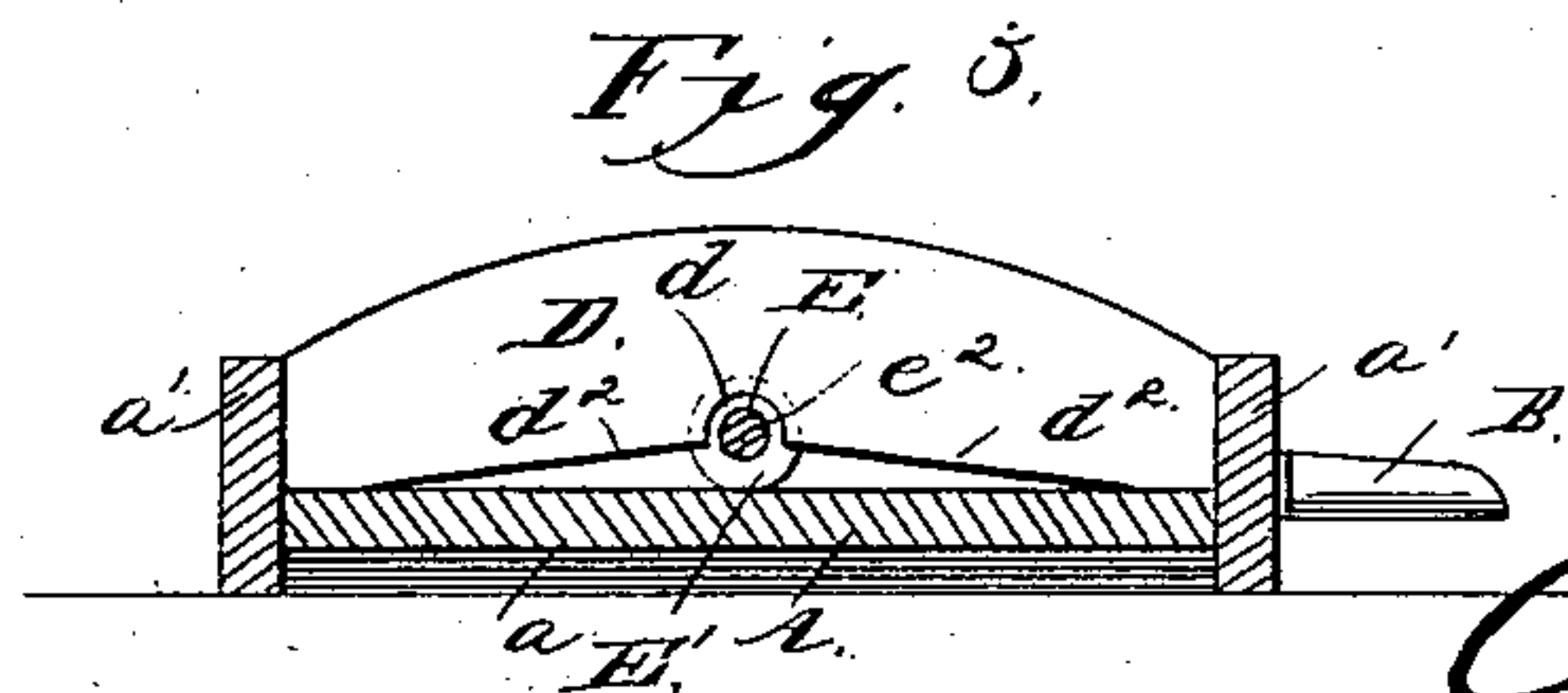
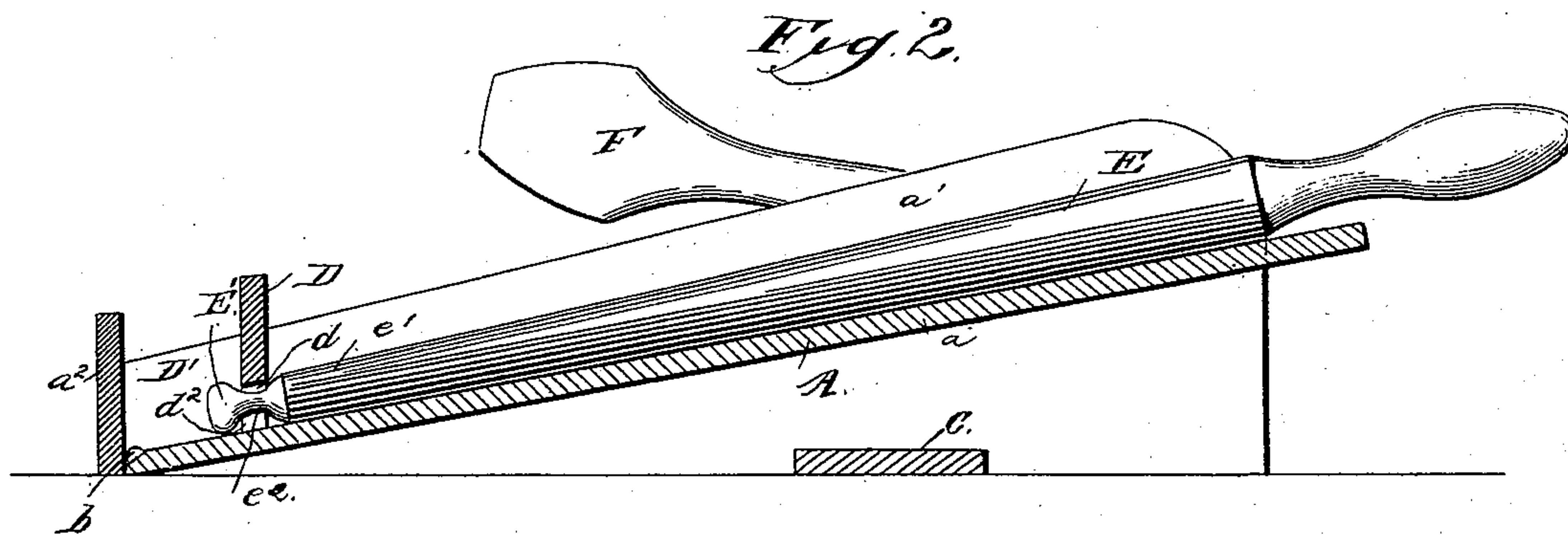
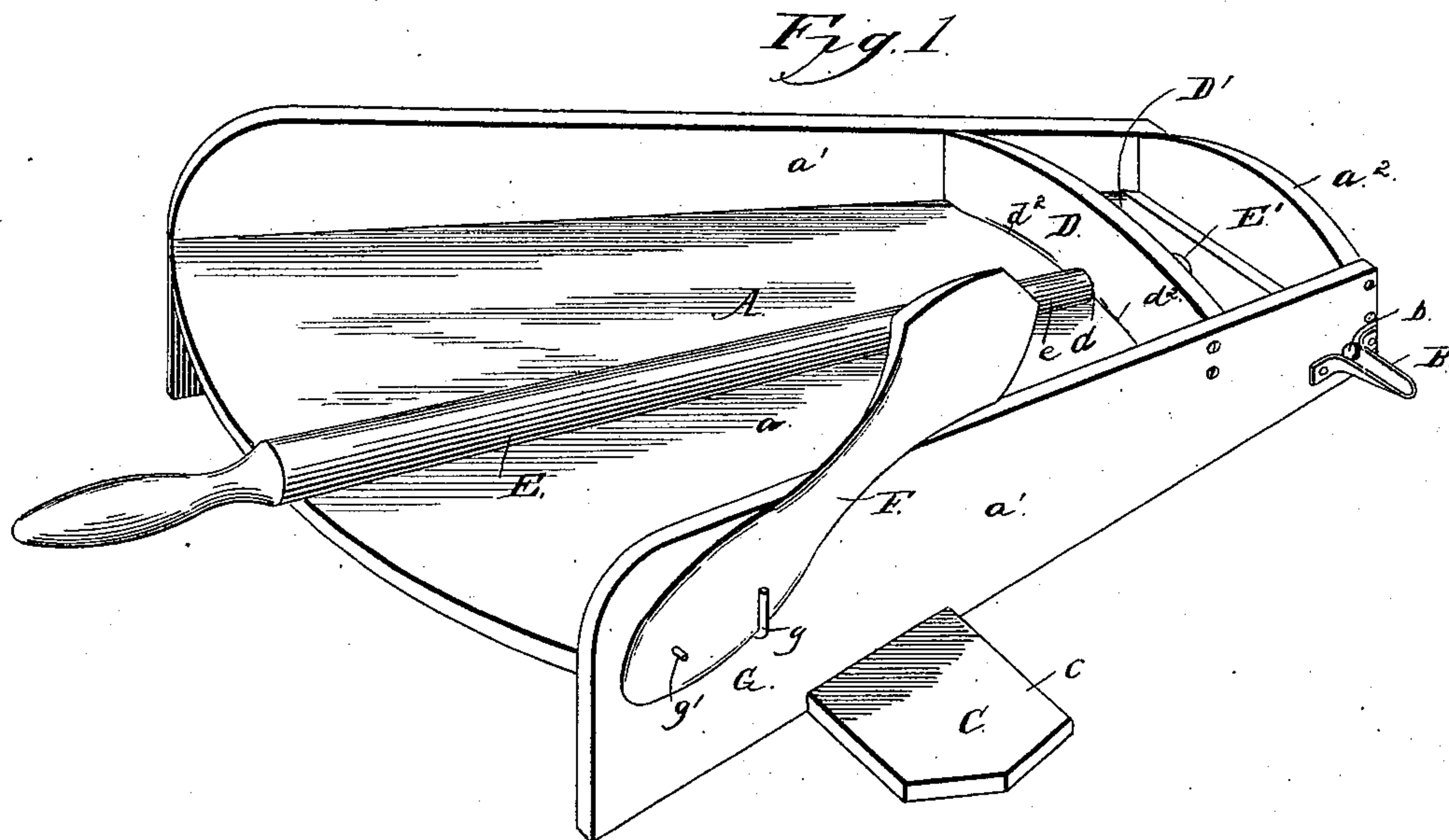


(No Model.)

O. J. WENNER.
BUTTER WORKER.

No. 363,869.

Patented May 31, 1887.



Witnesses
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UNITED STATES PATENT OFFICE.

OSCAR JAMES WENNER, OF ALLENTOWN, PENNSYLVANIA.

BUTTER-WORKER.

SPECIFICATION forming part of Letters Patent No. 363,869, dated May 31, 1887.

Application filed January 24, 1887. Serial No. 225,376. (No model.)

To all whom it may concern:

Be it known that I, OSCAR JAMES WENNER, a citizen of the United States, residing at Allentown, in the county of Lehigh and State of Pennsylvania, have invented a new and useful Improvement in Butter-Workers, of which the following is a specification.

My invention relates to improvements in butter-workers; and it consists of the peculiar combination of devices and novel construction and arrangement of the various parts for service, substantially as hereinafter fully set forth, and particularly pointed out in the claim.

The primary object of my invention is to provide an improved butter-worker especially adapted for domestic purposes, which can be operated with great ease and thoroughly work the butter within a minimum time.

A further object of my invention is to provide a device of the class named which shall possess the desirable features of cheapness of manufacture, strength, and simplicity of construction, and which can be cleansed expeditiously and easily.

My invention has, further, for its object to provide means whereby the buttermilk and other deleterious component parts of the cream can readily escape without requiring the operator to remove the same.

In the accompanying drawings, Figure 1 is a perspective view of a butter-worker embodying my improvement. Fig. 2 is a vertical central sectional view showing the roller in elevation. Fig. 3 is a detail sectional view.

Referring to the drawings, in which like letters of reference denote corresponding parts in all the figures, A designates the table or frame of a butter-worker constructed in accordance with my invention, which consists of an inclined top, a , having the converging sides, the vertical side walls, a' , arranged on opposite sides of the top and rigidly secured thereto, and an end wall, a^2 , at the smaller reduced end of the top, the said top and walls being rigidly secured together in any preferable manner to provide a firm and strong structure. The vertical side walls, a' , are tapered longitudinally, and their lower edges are arranged in the same horizontal plane to adapt the frame or table to rest firmly on the

floor, table, or other place where it may be placed before or after working the butter. It will thus be seen that I provide a table or frame which has converging closed sides and one closed end, by means of which the butter is prevented from escaping from the table, and the buttermilk and watery particles worked from the butter are caused to flow toward the smaller lower end of the table through an exit-opening, b , formed in one of the sides, or it may be the end walls, and a fixed spout, B, which projects beyond the table to discharge the fluid flowing therethrough into a suitable receptacle. The converging vertical sides of the table or frame are extended beneath the inclined top, as shown, and these sides are connected and braced by a horizontal bar or rod, C, which is arranged transversely of the table or frame beneath the top thereof, and rigidly affixed in any suitable manner to the sides thereof. One end of this bar or rod C is extended beyond the table, as at c , to permit the passage of a suitable device—such as a binding-screw—through the same, to secure and hold the table in place on a kitchen-table or other structure or place where it is convenient, my invention being especially adapted for the use of small families.

D designates a fixed bridge, which is arranged in close proximity to the end wall, a^2 , of the table or frame, to leave or provide an intermediate chamber, D' , for the reception of the watery particles worked from the butter by the roller E, presently described. This bridge is arranged between the side walls, a' , of the table, and it is rigidly fixed or secured at its ends to the said walls. At or near its center the bridge has a cut-out or recessed portion, d , formed in its lower edge, for a purpose presently described, and on opposite sides of the said cut-out portion d are formed inclined edges d^2 , which are elevated above the table-top a , to provide for the free escape of the water from the main compartment of the machine into the intermediate chamber, D' , from whence it escapes into the spout B. It will be seen that this chamber D' acts as a reservoir to receive the fluids, and also directs the same to the spout B. By this means the entire body of fluid is discharged at one point

from the side of the device, thus enabling a single small vessel to be used to receive the escaping fluid. As the fluids escape at the side of the device the receiving-vessel will be

5 always in sight of the operator, and is not so liable to be upset as is the case when the vessel is placed under the butter-worker, for then the least movement of the butter-worker would be likely to knock over the receiving-vessel.

10 The roller E is swiveled to the fixed transverse bridge, D, preferably by means of an enlarged head, E', on the reduced end of the longitudinally-tapered body e' of the roller, fitting and working or moving freely in the recessed portion d of the said bridge. An annular groove or depression, e², is formed between the head and body of the roller, so that the lower rounded edge of the cut-out or recessed portion d of the bridge will fit therein,

20 and this roller is capable of a free horizontal movement back and forth over the inclined table, in addition to a vertical or inclined motion, to accommodate itself to the undulations in the mass of butter being operated upon.

25 The upper end of the roller is projected or extended beyond the open end of the table or frame, and it may have a suitable handle by which it can be operated with ease.

F designates a ladle or paddle by means of which the butter can be rolled or "balled," as desired. This paddle is held upon one side of the table or frame, out of the way of the roller and operator, and yet within convenient reach of the latter, by means of a socket, G, which preferably consists of a bracket or elbow-shaped pin or stud, g, and a straight pin, g', which are both rigidly secured to one of the side walls of the table or frame at such a distance from one another as to permit the

40 handle of the ladle to be easily inserted in and removed from the socket.

This being the construction of my invention, the operation thereof is as follows: The table or frame is suitably held or fixed in place upon

45 a suitable object and at a convenient reach from the ground or floor for the operator. The butter to be worked is placed on the inclined table and the head of the roller fitted in the

notch of the fixed bridge. The operator now grasps the free end of the roller and forces or moves the same back and forth over the butter and table-top to thoroughly expel or press the water, &c., from the butter and agitate or work the same, the ladle being employed from time to time to roll or "ball" the butter, and the water, &c., flowing down the table-top, into the chamber D', and out through the fixed spout. After the butter has been worked to the proper consistency and removed, the roller is detached to permit the same and the table to be easily and thoroughly cleansed.

My device is intended especially for household use, and the novelty consists in the peculiar construction whereby the device is adapted for use on an ordinary table or bench. This novel construction consists in making the lower edges of the side walls in the same horizontal plane and in providing means whereby the device is adapted to be clamped in place. The novelty lies, further, in the peculiar construction of the transverse bridge near the lower end of the device.

Having thus described my invention, I claim—

The herein-described butter-worker for household use, comprising an inclined table, A, having the converging sides, the side walls, a', and the end wall, a², the lower edges of the walls being in the same horizontal plane, the transverse rod or bar C beneath the top, having the projecting end c, adapted to be clamped to a table or other support, a transverse bridge, D, arranged in close proximity to the end cross-strip or wall, and having the central notch, d, and the inclined edges d², a discharge-spout, B, affixed to one of the side walls, and a roller having one end swiveled in the notch d, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

OSCAR JAMES WENNER.

Witnesses:

H. B. YINGLING,
I. A. KASE.