G. W. CUNNINGHAM.

BUTTER-WORKERS.

No. 194,958. Patented Sept. 11, 1877.

Fig. 1.

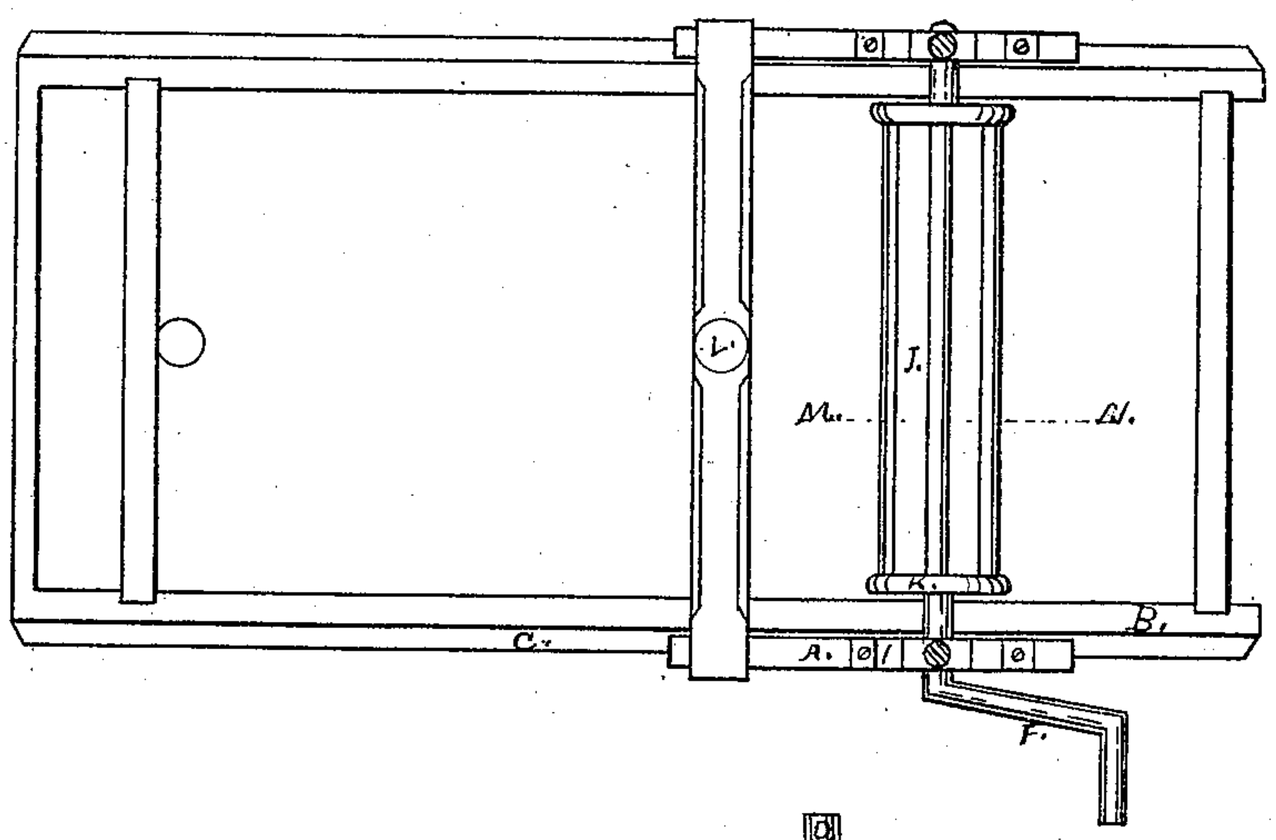


Fig. 2.

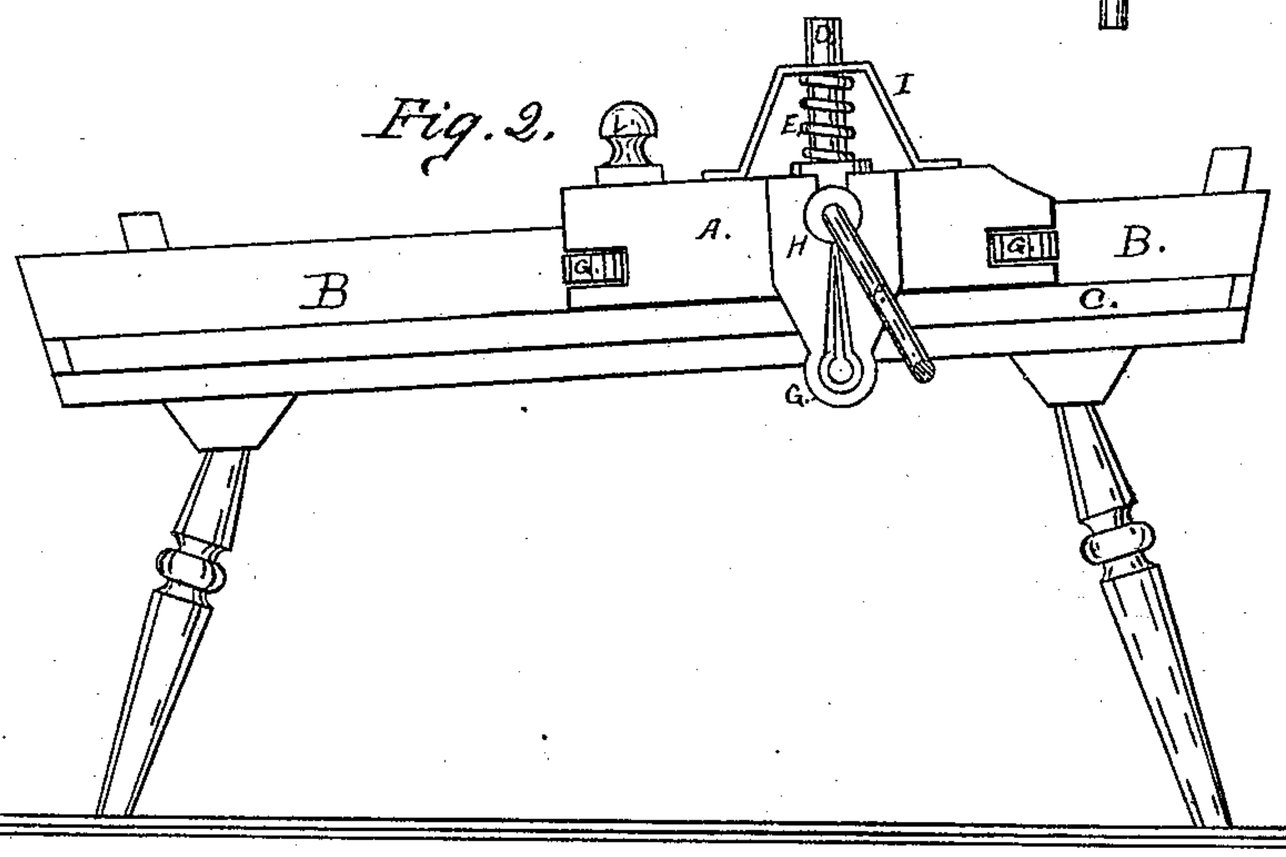


Fig. 3.

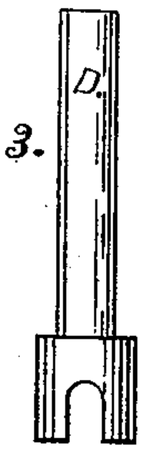


Fig. 4.

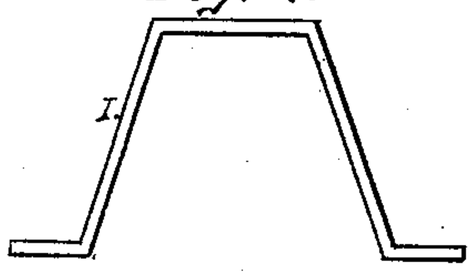


Fig. 5.

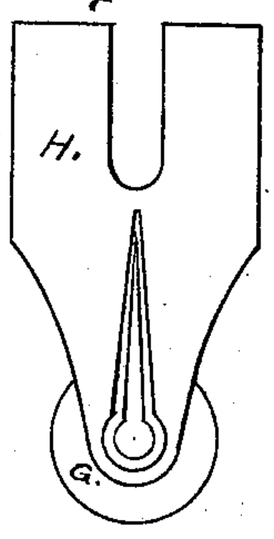
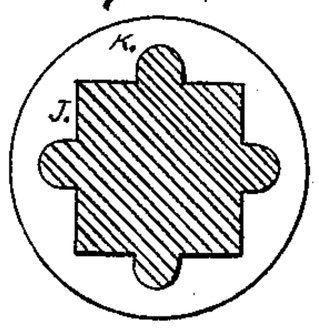


Fig. 6.



Witnesses;
L. Edwyn Chase.
Lester. Chase

Inventor;
Geo. W. Cunningham

UNITED STATES PATENT OFFICE.

GEORGE W. CUNNINGHAM, OF GREENE, NEW YORK.

IMPROVEMENT IN BUTTER-WORKERS.

Specification forming part of Letters Patent No. **194,958**, dated September 11, 1877; application filed May 26, 1877.

To all whom it may concern:

Be it known that I, GEO. W. CUNNINGHAM, of Greene, county of Chenango and State of New York, have invented new and useful Attachments and Improvements in Butter-Workers, which improvements are set forth fully in the following specification and drawings.

Figure 1 represents a view of the machine without the improvement; Fig. 2, the machine with the improvement; Fig. 3, the spindle D; Fig. 4, the cap or band I; Fig. 5, slot in side iron H, in connection with pulley G; Fig. 6, section of shaft or compressor J.

A represents side to car; B, side to tray; C, rail upon which the car moves; D, spring-spindle; E, the spiral spring; F, crank; G, pulley; H, slotted side iron; I, cap or band; J, shaft or compressor; K, flange on shaft; L, knob to car; M N, section through shaft.

The object of my invention is to obtain cheap and reliable attachments by means of which the shaft or compressor J may adjust itself to any condition or temperature of butter, rising in hard butter, and lowering or descending as the butter softens, as it invariably will while in process of working.

The nature of my improvement consists in the relative arrangement and combination of the spindle D, the spiral spring E, the cap I, in connection with the side iron H, the compressor J, the car A, and tray B.

It will be seen, by referring to Fig. 2 in the drawings, that the shaft J is secured and controlled in the following-described manner, to wit: The head of the spindle D rests upon the gudgeons of the shaft J. The spring E slips over the small end of, and rests upon, the shoulder of spindle D, while the end of the spindle enters and operates through the hole in center of the cap I. The cap I is securely fastened to car side A by means of screws. The car is then connected to the tray B by means of the side iron H and pulley G.

This combination allows the shaft J to adjust itself to any temperature of butter, is reliable, durable, and cheap, and secures the object in view.

The side pulleys G in the car side A are intended to prevent any friction between the car side A and tray side B.

What I claim as my invention, and desire to obtain Letters Patent for, is—

The combination of the spindle D, the cap I, and the slotted side iron H with the spiral spring E and shaft J, as described and shown.

GEO. W. CUNNINGHAM.

Witnesses:

L. ELWYN CHASE,

LESTER CHASE.