

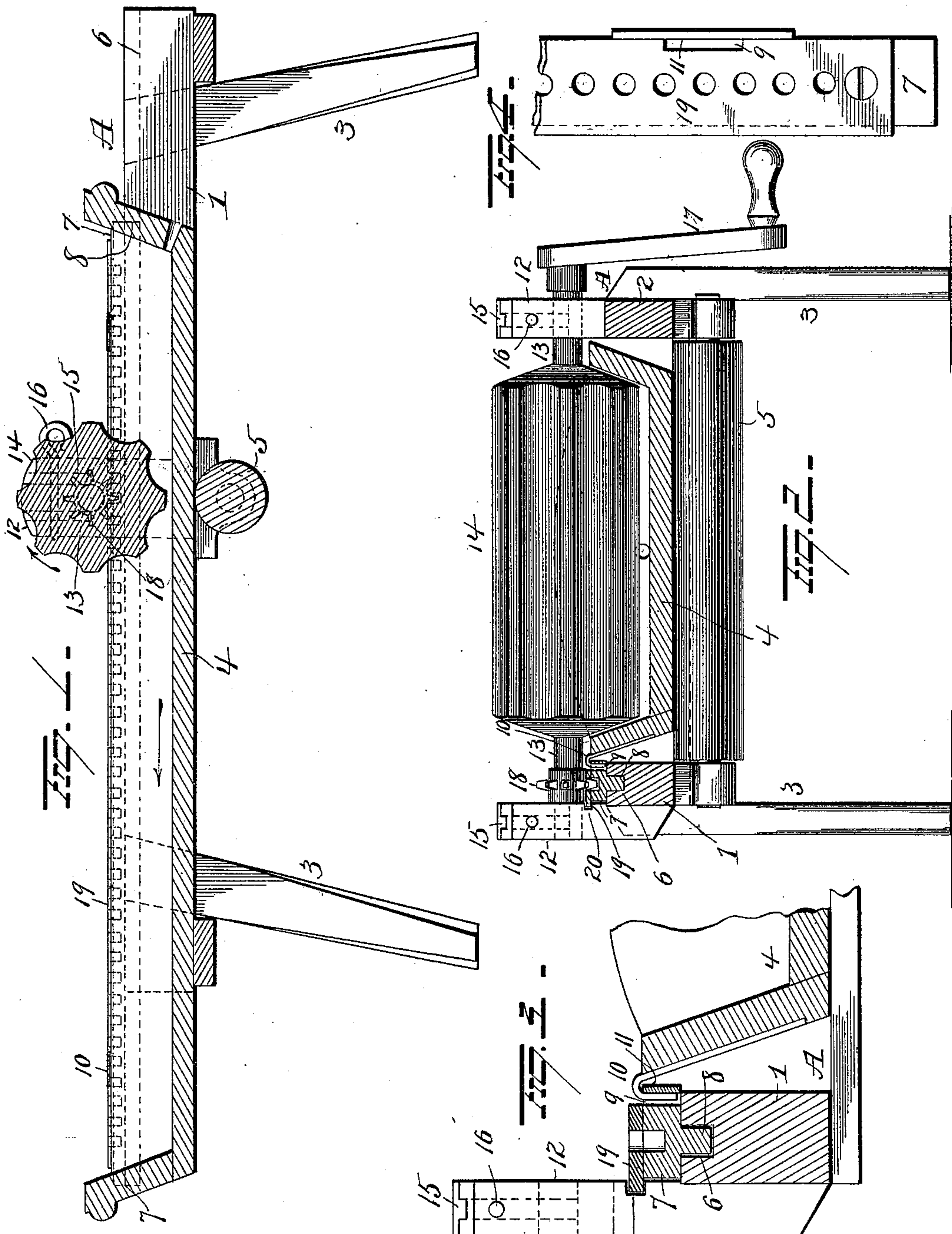
No. 631,337.

Patented Aug. 22, 1899.

A. F. SEVERANCE.  
BUTTER WORKER.

(Application filed Apr. 12, 1898.)

(No Model.)



WITNESSES  
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# UNITED STATES PATENT OFFICE.

ASA F. SEVERANCE, OF NOBLESBOROUGH, MAINE.

## BUTTER-WORKER.

SPECIFICATION forming part of Letters Patent No. 631,337, dated August 22, 1899.

Application filed April 12, 1898. Serial No. 677,357. (No model.)

*To all whom it may concern:*

Be it known that I, ASA F. SEVERANCE, a resident of Noblesborough, in the county of Lincoln and State of Maine, have invented certain new and useful Improvements in Butter-Workers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in butter-workers, the object of the invention being to produce a butter-worker which shall be simple in construction, comparatively cheap to manufacture, and which shall be effectual in all respects in the performance of its functions.

With this object in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as hereinafter set forth, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view illustrating my invention. Fig. 2 is a transverse sectional view. Figs. 3 and 4 are detail views.

A represents a rectangular frame comprising parallel side rails 1 2, suitably spaced apart and connected by cross-bars at the ends, said frame being supported on legs 3. A longitudinally-movable tray 4, adapted to receive the butter to be worked, is disposed between the side bars or rails of the frame, and the major portion of the weight of this tray is sustained by a roller 5, mounted in suitable bearings depending from said side rails. The side rail 1 is provided in its upper face with a groove 6, and upon said rail 1 a longitudinally-movable strip 7 is mounted and provided with a flange or rib 8 to enter and move in the groove 6. The strip 7 is provided at points near its ends with sockets 9 for the reception of hooks 10, secured to the edge of the tray, said hooks being adapted to engage the edge of plates 11, which form one side of the sockets, and thus the tray is connected with the sliding strip and its weight partially supported thereby. Standards 12 12 are secured to the sides of the rails of the frame at the center thereof and bifurcated to form bearings for the journals 13 of a corrugated roller 14, the latter being thus disposed trans-

versely over the tray. The arms formed by bifurcating the standards are provided in their inner faces with grooves for the reception of ribs projecting from the edges of follower-blocks 15, adapted to bear upon the said journals, said follower-blocks being normally held in position by means of pins 16. By thus mounting the roller it can be readily removed when desired. A crank 17 is secured to one journal of the roller, and to the other journal a toothed wheel or pinion 18 is secured and adapted to mesh with a rack-bar 19, consisting, preferably, of a strip of sheet metal having a series of perforations with which the teeth of the toothed wheel mesh. The perforated strip or rack-bar projects slightly beyond the longitudinal edge of the strip 7, to which it is secured, and adapted to move through a groove 20 in one of the standards 12, whereby to prevent vertical movement of said rack-bar and sliding strip.

My improvements are simple in construction, cheap to manufacture, are made of wood, with the exception of the toothed wheel or pinion and the rack-bar, and are effectual in all respects in the performance of their functions.

Slight changes might be made in the details of construction of my invention without departing from the spirit thereof or limiting its scope, and hence I do not wish to limit myself to the precise details herein set forth.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a butter-worker the combination with a frame having parallel side bars, one of said side bars having a longitudinal groove in its upper edge, of a longitudinally-movable strip mounted on the grooved side bar and having a rib to enter the groove therein, said strip having a series of sockets, a tray disposed between said side bars and hung at one edge on said strip, a grooved roller removably mounted in fixed bearings on the frame and projecting into the tray, a toothed wheel secured to a journal of the roller and meshing with the sockets in the strip and a roller mounted centrally between the ends of the frame under the tray.

2. In a butter-worker, the combination with a frame having parallel side bars projecting



above the frame, of a sliding strip mounted on the top of one of said side bars and having a series of sockets, a metal plate secured to said strip and having holes alining with the sockets in said strip, a tray disposed between said side bars, hooks secured to the tray and having downwardly-projecting free ends to engage said strip whereby one side of the tray is supported by the strip, a roller mounted in the frame under the tray, a grooved roller mounted in fixed bearings on the frame and projecting into the tray, and a toothed wheel on a journal of said grooved roller and meshing with the sockets in said strip and the perforated plate thereon.

3. In a butter-worker, the combination with a frame having parallel side bars, one of said side bars having a groove, of a longitudinally-movable strip mounted on the grooved side bar and having a rib disposed in the groove

therein, a tray disposed between the side bars and removably connected to said strip, standards projecting upwardly from said side bars, one of said standards having a transverse groove in its inner face, a rack-bar secured to said sliding strip and projecting at one edge in the groove in the standard whereby to prevent vertical displacement of the strip and rack-bar, a grooved roller having its journals mounted in said standards and a pinion secured to one journal of the grooved roller and meshing with said rack-bar, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

ASA F. SEVERANCE.

Witnesses:

EDWARD E. PHILBROOK,  
WILDER W. DODGE.